

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042178.D
 Acq On : 27 Mar 2025 11:36
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Mar 28 01:37:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 01:31:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	173372	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	499360	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	473077	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	387777	9.981	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.495	85	358962	14.023	ppbv	99
3) Chlorodifluoromethane	1.473	51	366164	14.002	ppbv	98
4) Chloromethane	1.531	50	148133	14.160	ppbv	98
5) Vinyl Chloride	1.576	62	141938	13.304	ppbv	97
6) Bromomethane	1.667	94	65113	13.734	ppbv	99
7) Chloroethane	1.703	64	58820	14.007	ppbv	99
8) Dichlorotetrafluoroethane	1.550	85	314834	14.442	ppbv	98
9) Propene	1.482	41	163799	13.902	ppbv	95
10) Heptane	4.972	43	446949	14.019	ppbv	99
11) Trichlorofluoromethane	1.874	101	349967	14.050	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	295217	14.419	ppbv	99
13) Ethanol	1.719	45	7382	8.001	ppbv	92
14) Bromoethene	1.780	108	106436	13.571	ppbv	98
15) Acetone	1.832	43	296254	12.218	ppbv	98
16) 1,3-Butadiene	1.605	39	150122	13.766	ppbv	100
17) tert-Butyl alcohol	2.039	59	416362	13.787	ppbv	99
18) 1,1-Dichloroethene	2.029	96	131720	13.762	ppbv	99
19) Isopropyl Alcohol	1.884	45	179117	13.093	ppbv	100
20) Methylene Chloride	2.059	84	113183	12.533	ppbv	95
21) Allyl Chloride	2.094	41	239440	14.002	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	149455	13.362	ppbv	98
23) Vinyl Acetate	2.460	43	138419	13.736	ppbv #	96
24) 1,1-Dichloroethane	2.405	63	298760	14.570	ppbv	99
25) Ethyl Acetate	2.832	43	871882	13.855	ppbv	100
26) Hexane	2.822	57	344636	14.178	ppbv	98
27) Carbon Disulfide	2.146	76	370022	14.196	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	216463	14.303	ppbv	95
29) Chloroform	2.845	83	508614	14.297	ppbv	100
30) Cyclohexane	3.852	84	296458	14.040	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	351945	14.262	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	547329	13.448	ppbv	99
34) 2-Butanone	2.554	43	497020	13.726	ppbv	99
35) Carbon Tetrachloride	3.758	117	543385	14.140	ppbv	100
36) Benzene	3.651	78	699549	14.131	ppbv	98
37) 1,2-Dichloroethane	3.214	62	416544	14.697	ppbv	99
38) Trichloroethene	4.541	130	283430	13.715	ppbv	98
39) 1,2-Dichloropropane	4.308	63	257891	14.304	ppbv	99
40) 1,4-Dioxane	4.577	88	124925	13.354	ppbv #	91
41) Tetrahydrofuran	3.049	42	294634	14.301	ppbv	100
42) Bromodichloromethane	4.483	83	587772	15.043	ppbv	99
43) Methyl Methacrylate	4.874	69	295300	14.130	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	1180275	14.108	ppbv	99
45) t-1,3-Dichloropropene	6.405	75	329360	14.649	ppbv	96

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Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:37:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	400813	14.542	ppbv	98
47) 1,1,2-Trichloroethane	6.577	97	273137	14.331	ppbv	98
48) Dibromochloromethane	7.383	129	482431	14.936	ppbv	100
49) Bromoform	9.480	173	427143	14.730	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	755146	13.155	ppbv	99
51) 2-Hexanone	7.431	43	619419	13.005	ppbv #	99
52) Tetrachloroethene	8.221	164	258356	13.159	ppbv	95
53) Toluene	6.926	91	829648	14.137	ppbv	100
54) 1,2-Dibromoethane	7.645	107	381823	14.359	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.920	131	365410	14.032	ppbv	99
57) Chlorobenzene	8.917	112	618201	13.777	ppbv	100
58) Ethyl Benzene	9.351	91	1167096	13.889	ppbv	97
59) m/p-Xylene	9.548	91	1857561m	27.651	ppbv	
60) o-Xylene	9.962	91	913234	13.577	ppbv	99
61) Styrene	9.865	104	474195	14.250	ppbv	99
62) Isopropylbenzene	10.535	105	1362416	13.544	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	551386	13.491	ppbv	99
64) n-propylbenzene	10.985	120	356118	13.753	ppbv	94
65) tert-Butylbenzene	11.529	119	1200149	12.901	ppbv	98
66) Benzyl Chloride	11.613	91	134397	13.615	ppbv	100
67) sec-Butylbenzene	11.765	105	1643629	12.711	ppbv	99
69) p-Isopropyltoluene	11.924	119	1437016	12.906	ppbv	98
70) n-Butylbenzene	12.280	91	1477443	12.975	ppbv	99
71) 2-Chlorotoluene	10.898	91	1071432	13.724	ppbv	99
72) 4-Ethyltoluene	11.121	105	1136415	13.569	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	979783	13.395	ppbv	99
74) 1,2,4-Trimethylbenzene	11.535	105	1048874	12.447	ppbv	92
75) 1,3-Dichlorobenzene	11.607	146	626015	13.545	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	628694	13.668	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	602844	13.396	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	556392	12.147	ppbv	99
79) Naphthalene	13.513	128	1258479	13.653	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	718900	16.018	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	598416	14.075	ppbv	99

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

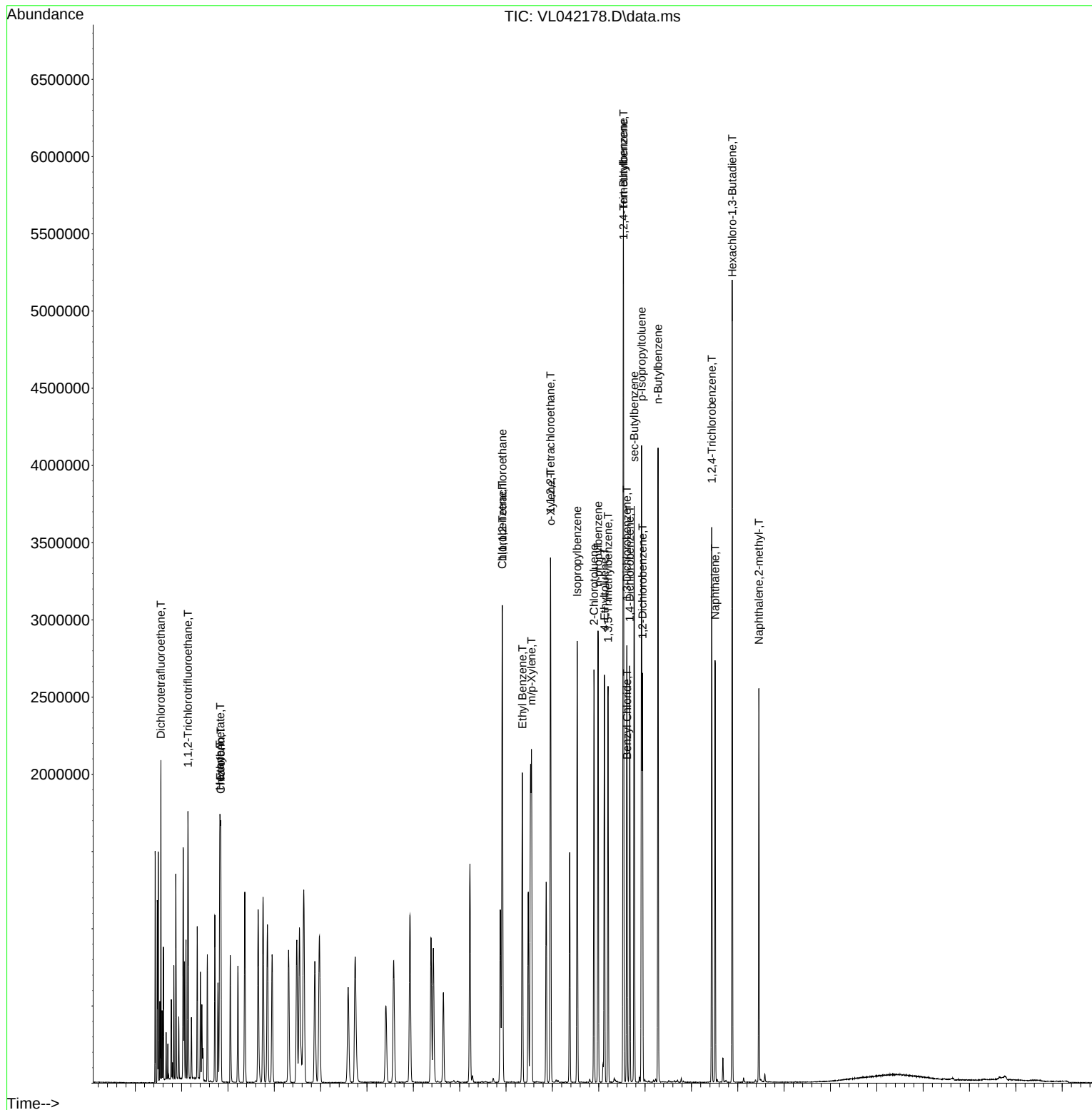
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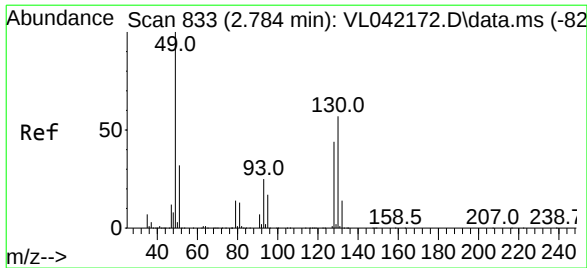
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

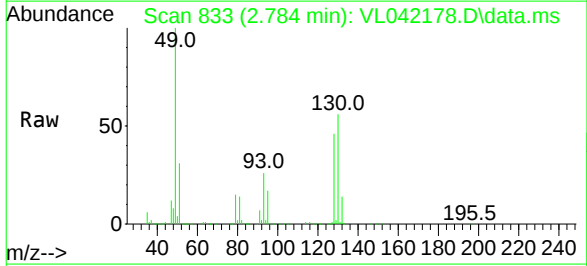
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

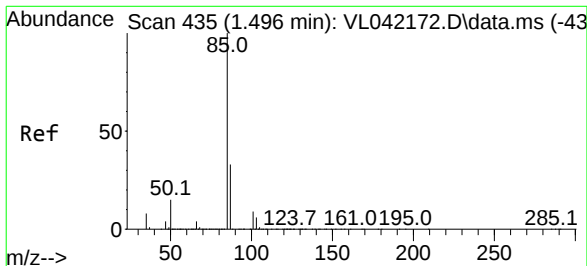
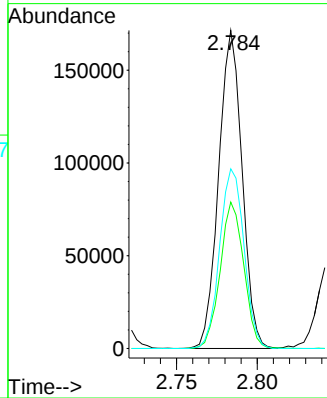
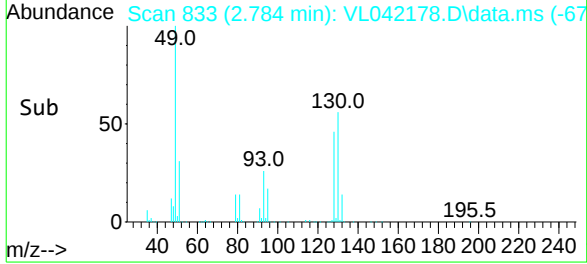
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 49 Resp: 173372
Ion Ratio Lower Upper
49 100
128 46.4 22.9 68.5
130 58.7 28.8 86.4

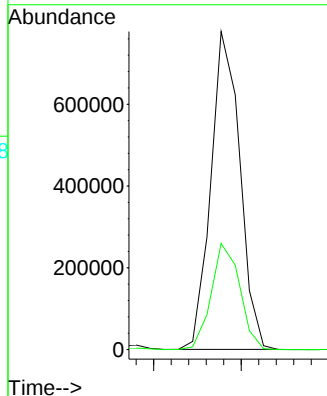
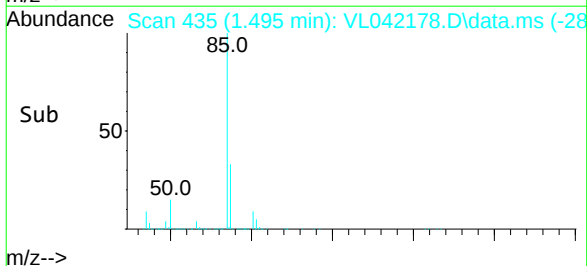
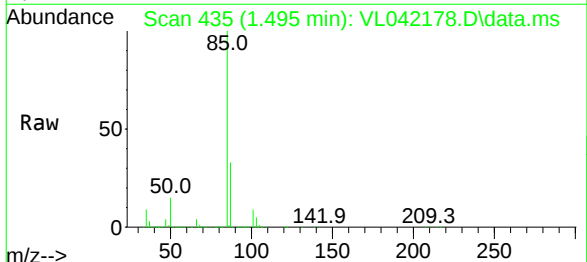
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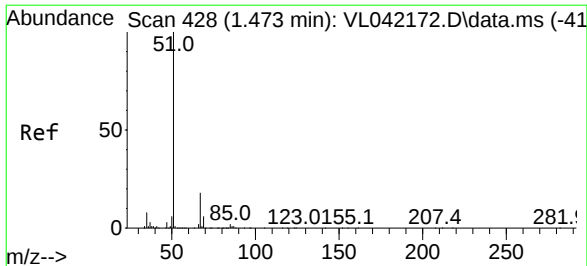
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#2
Dichlorodifluoromethane
Concen: 14.023 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 85 Resp: 358962
Ion Ratio Lower Upper
85 100
87 33.4 26.1 39.1





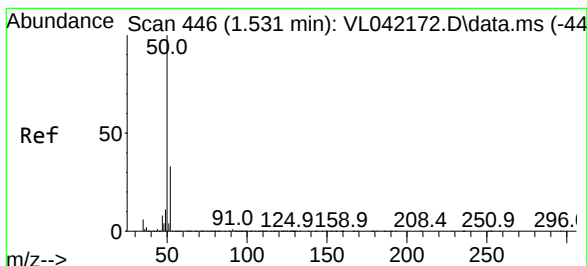
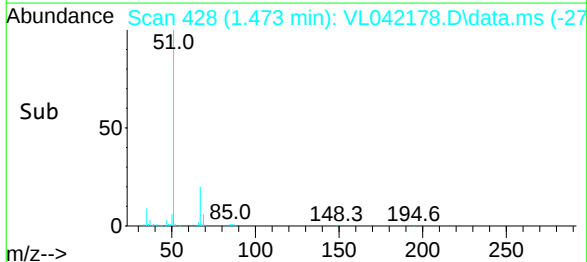
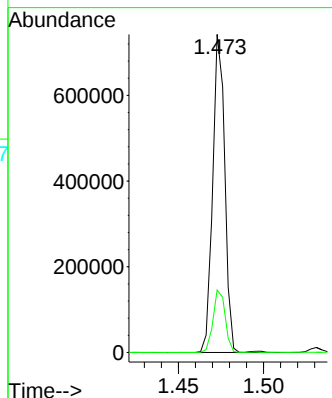
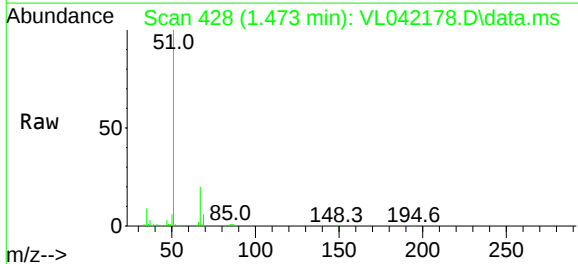
#3
Chlorodifluoromethane
Concen: 14.002 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 51 Resp: 366164
Ion Ratio Lower Upper
51 100
67 19.8 15.0 22.6

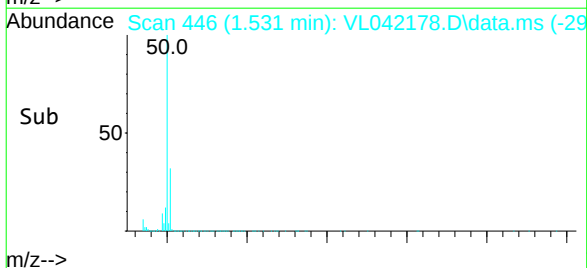
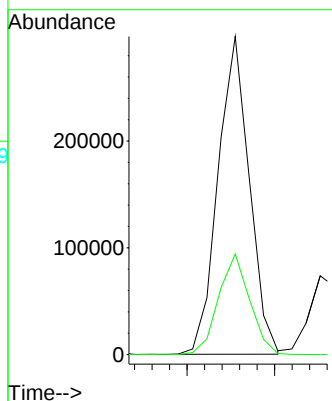
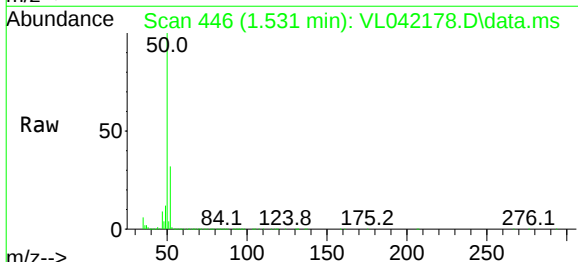
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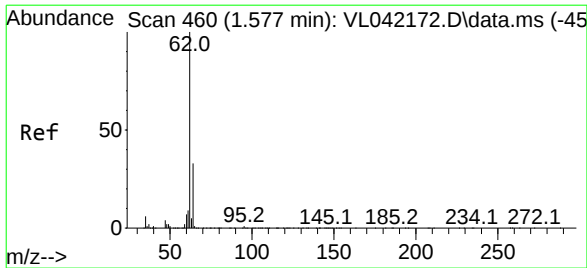
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#4
Chloromethane
Concen: 14.160 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 50 Resp: 148133
Ion Ratio Lower Upper
50 100
52 31.6 26.1 39.1





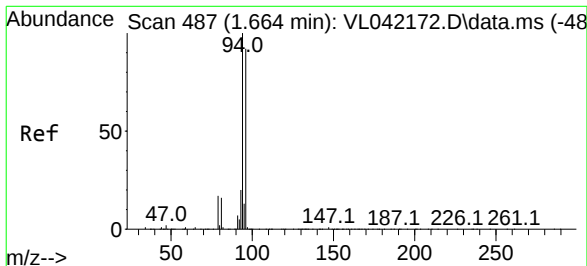
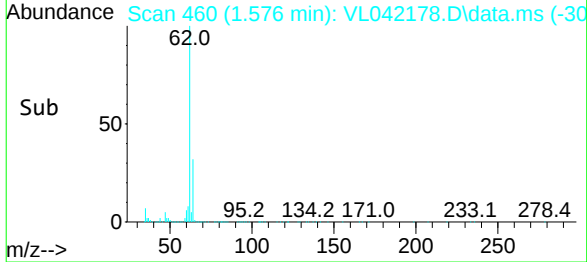
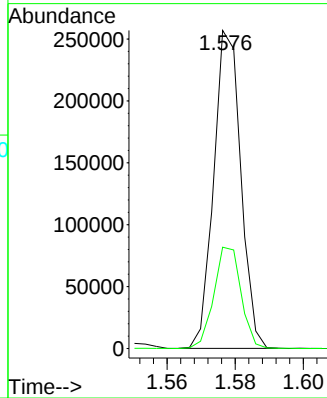
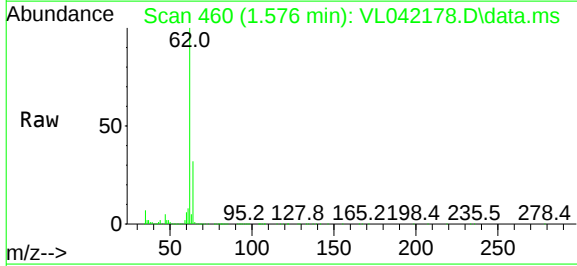
#5
 Vinyl Chloride
 Concen: 13.304 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Tgt Ion: 62 Resp: 141938
 Ion Ratio Lower Upper
 62 100
 64 31.9 26.6 40.0

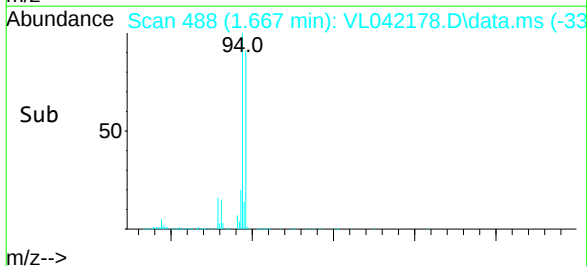
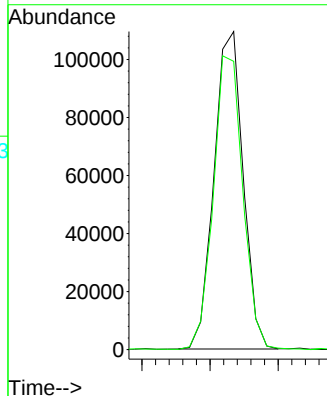
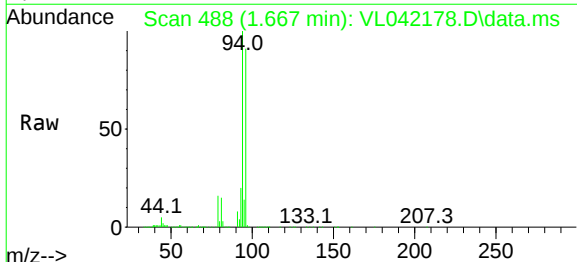
Manual Integrations
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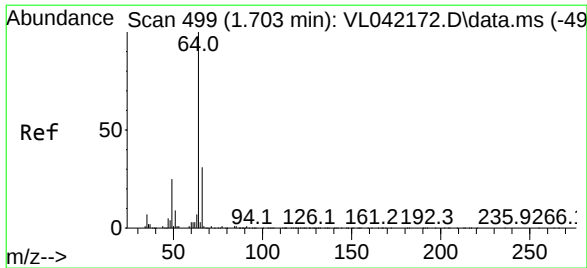
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#6
 Bromomethane
 Concen: 13.734 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

Tgt Ion: 94 Resp: 65113
 Ion Ratio Lower Upper
 94 100
 96 90.7 73.1 109.7





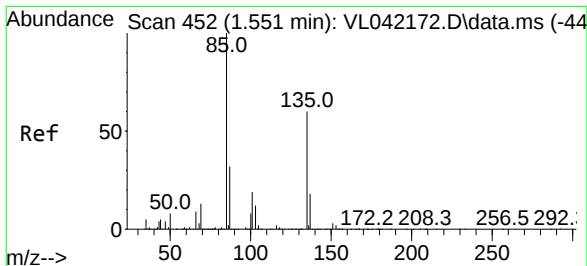
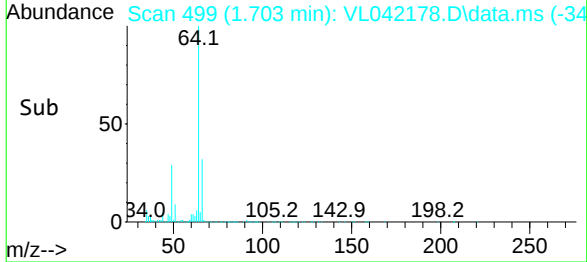
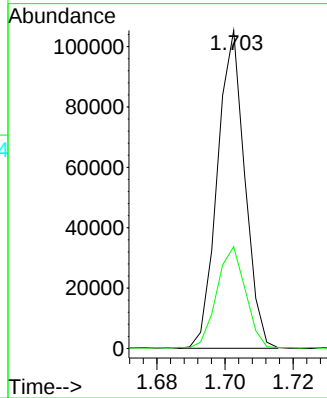
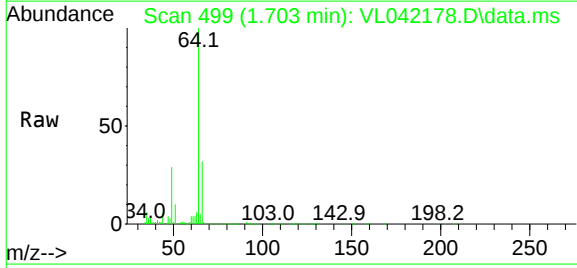
#7
Chloroethane
Concen: 14.007 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 58820
Ion Ratio Lower Upper
64 100
66 32.0 25.2 37.8

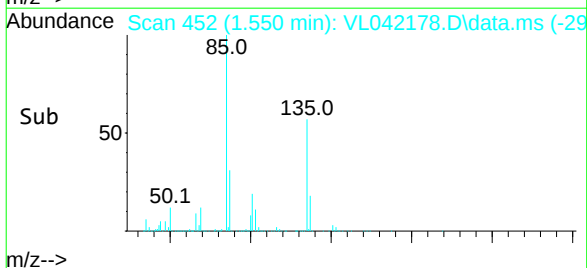
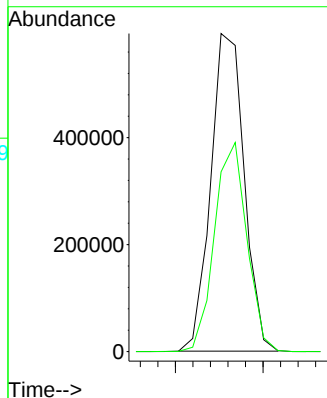
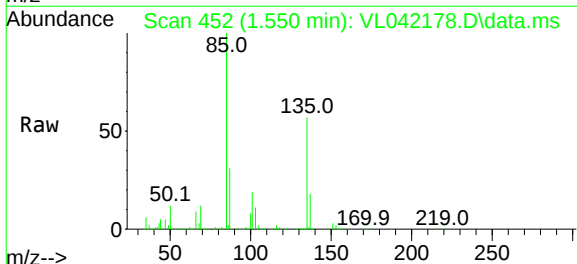
Manual Integrations
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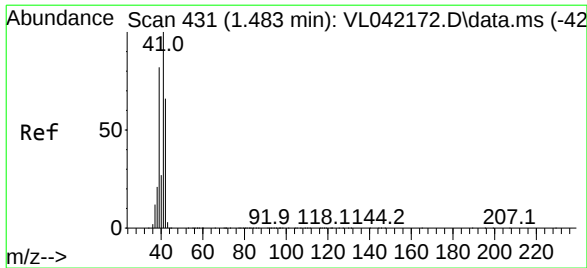
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#8
Dichlorotetrafluoroethane
Concen: 14.442 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

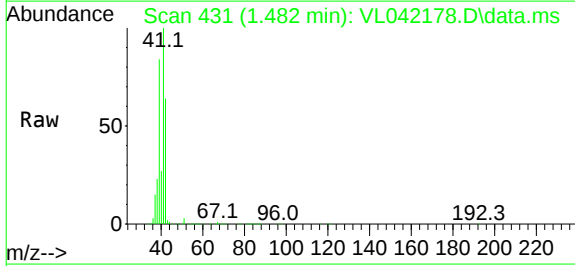
Tgt Ion: 85 Resp: 314834
Ion Ratio Lower Upper
85 100
135 63.8 52.4 78.6





#9
Propene
Concen: 13.902 ppbv
RT: 1.482 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

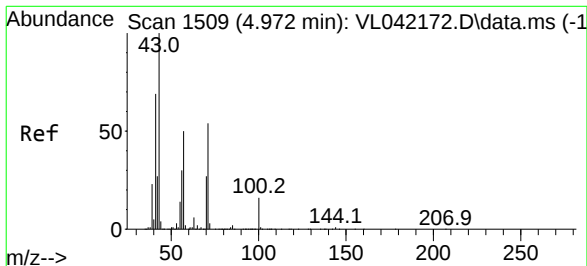
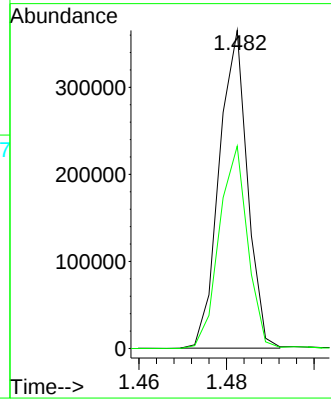
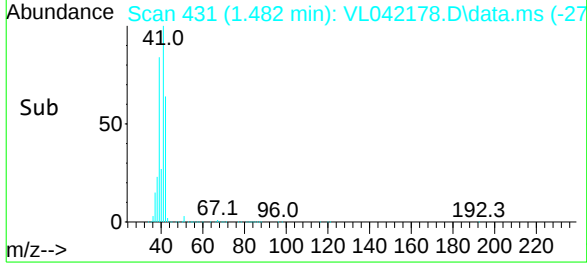
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 41 Resp: 163799
Ion Ratio Lower Upper
41 100
42 65.3 55.4 83.2

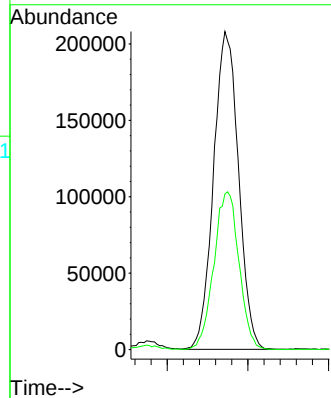
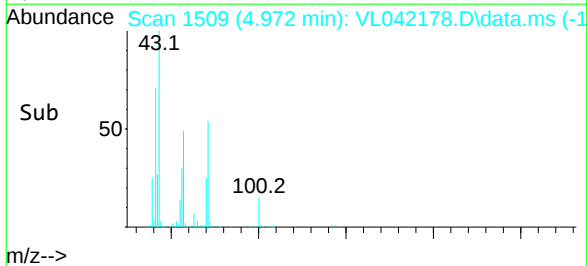
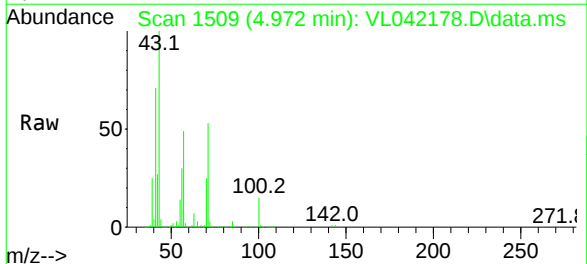
Manual Integrations
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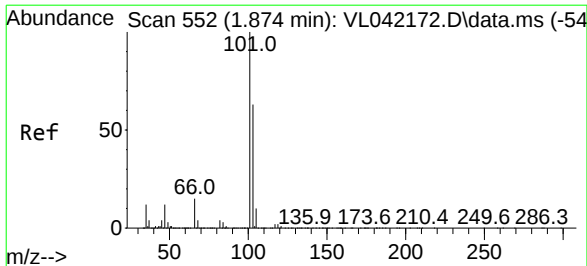
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#10
Heptane
Concen: 14.019 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 43 Resp: 446949
Ion Ratio Lower Upper
43 100
57 49.9 39.4 59.2





#11

Trichlorofluoromethane

Concen: 14.050 ppbv

RT: 1.874 min Scan# 552

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:101 Resp: 349967

Ion Ratio Lower Upper

101 100

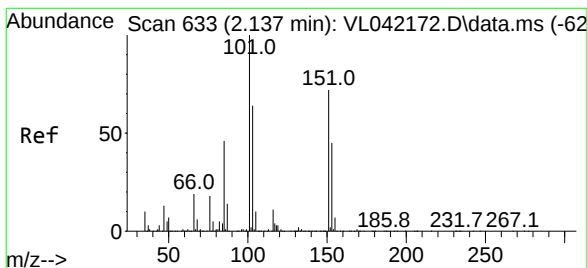
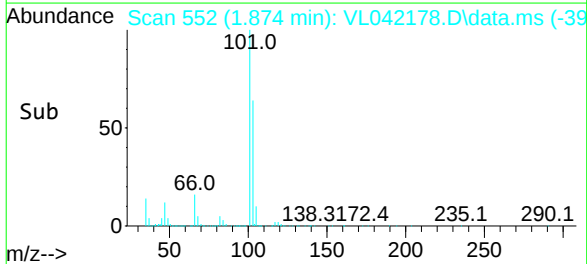
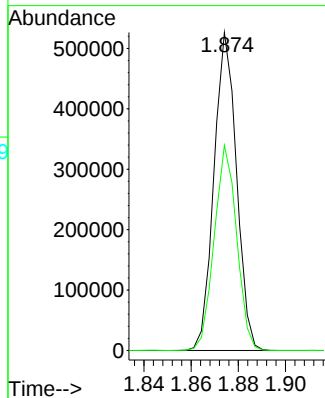
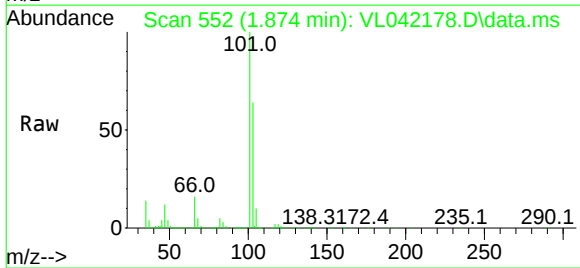
103 64.5 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 14.419 ppbv

RT: 2.136 min Scan# 633

Delta R.T. -0.000 min

Lab File: VL042178.D

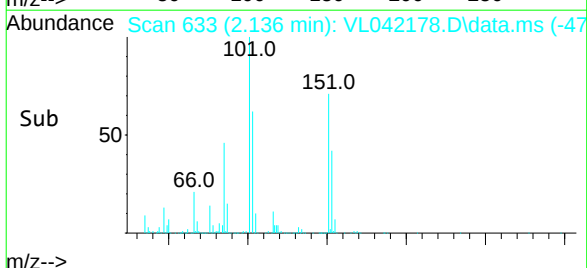
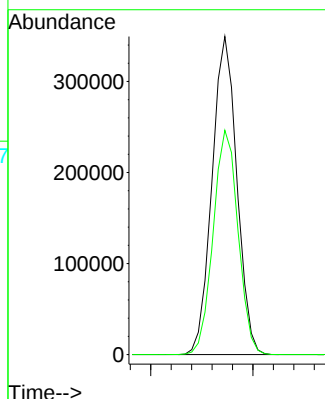
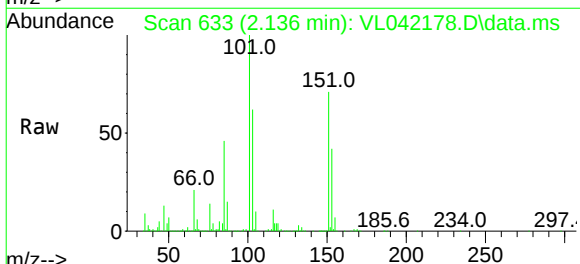
Acq: 27 Mar 2025 11:36

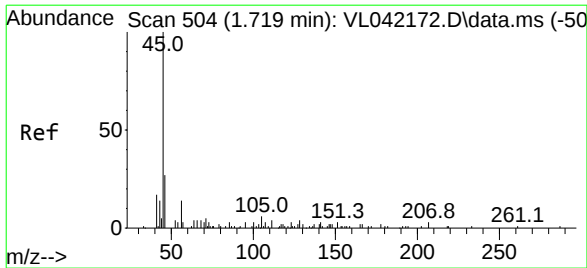
Tgt Ion:101 Resp: 295217

Ion Ratio Lower Upper

101 100

151 70.4 57.1 85.7





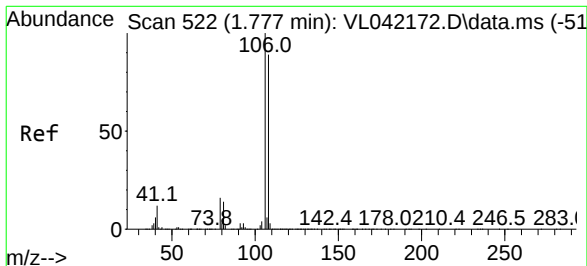
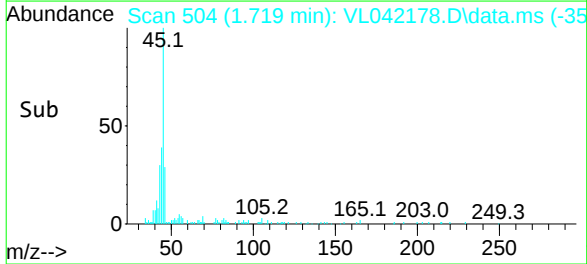
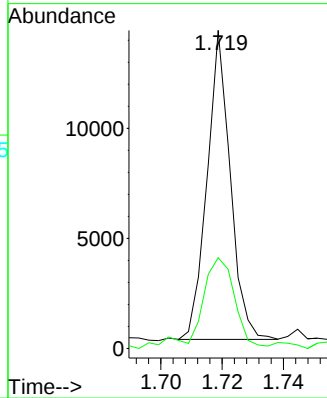
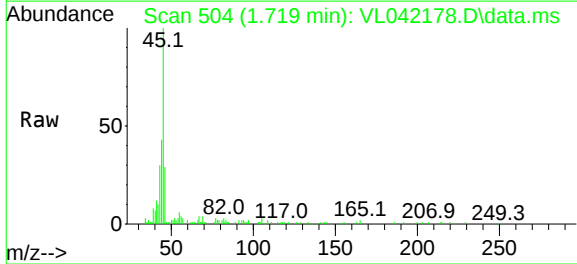
#13
Ethanol
Concen: 8.001 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 7382
Ion Ratio Lower Upper
45 100
46 44.6 20.2 80.8

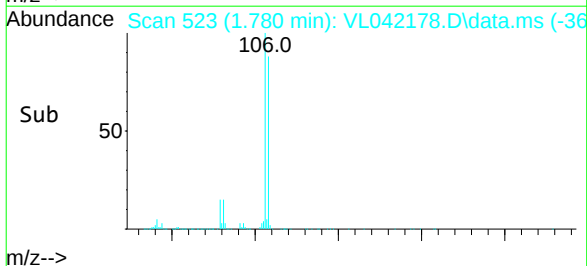
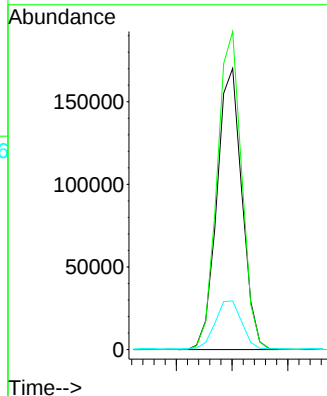
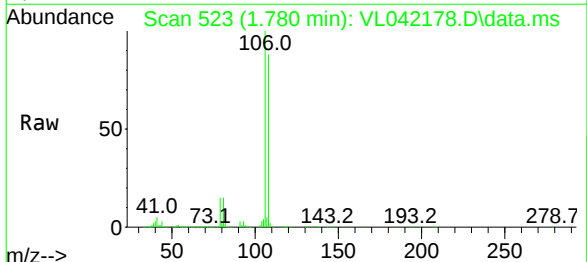
Manual Integrations
APPROVED

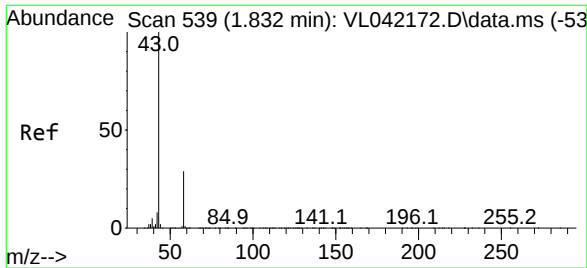
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Bromoethene
Concen: 13.571 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:108 Resp: 106436
Ion Ratio Lower Upper
108 100
106 110.9 86.8 130.2
79 18.8 15.0 22.6





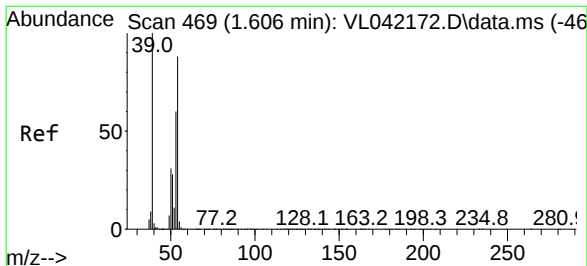
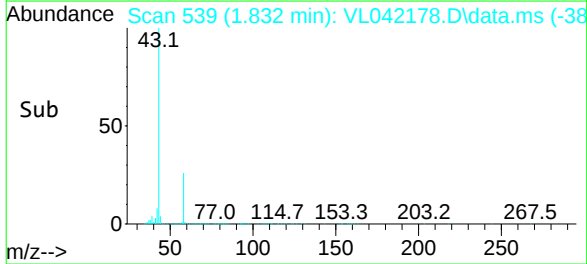
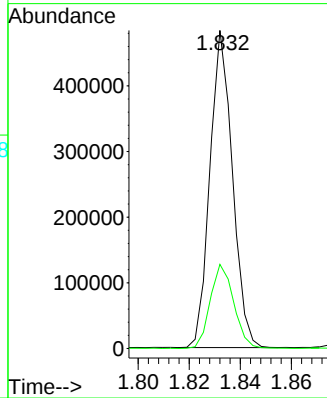
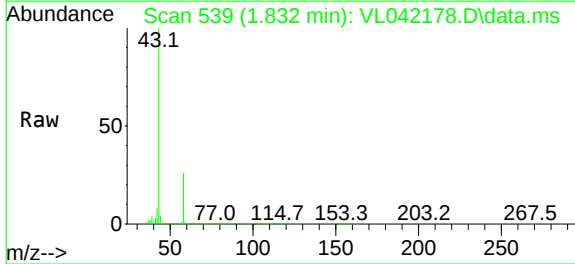
#15
Acetone
Concen: 12.218 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 296254
Ion Ratio Lower Upper
43 100
58 27.7 23.2 34.8

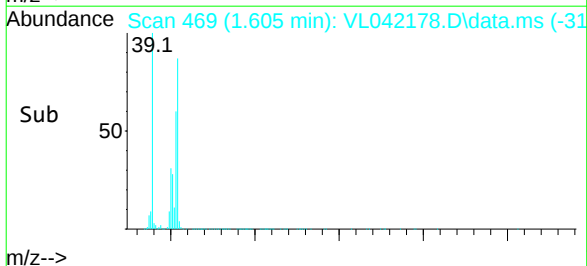
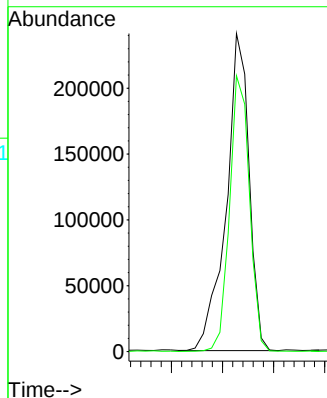
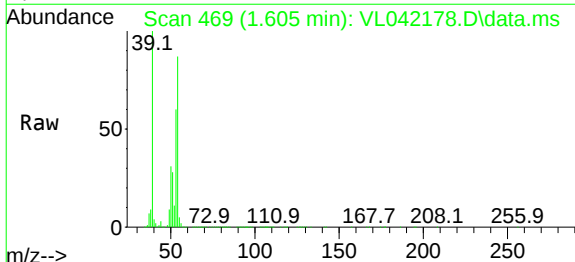
Manual Integrations
APPROVED

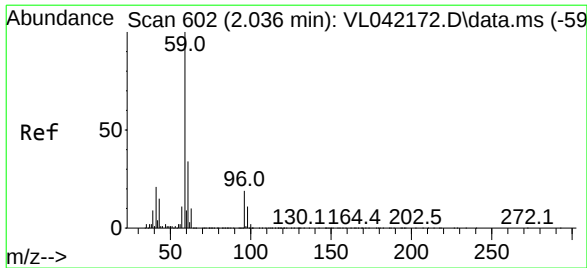
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
1,3-Butadiene
Concen: 13.766 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 39 Resp: 150122
Ion Ratio Lower Upper
39 100
54 76.3 60.7 91.1





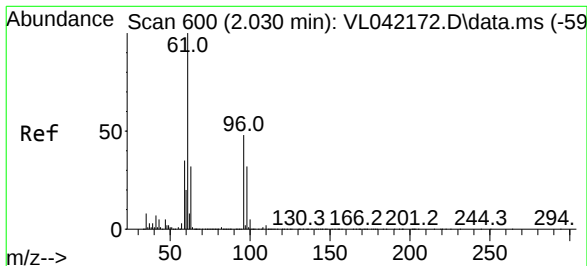
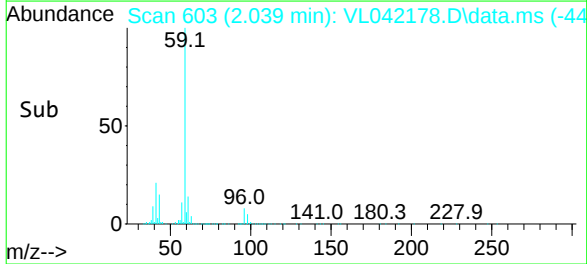
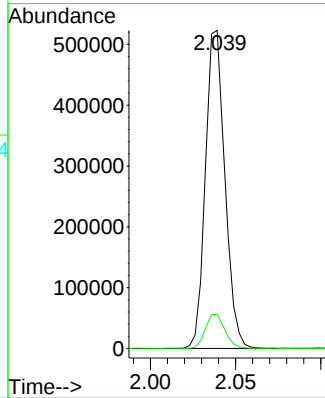
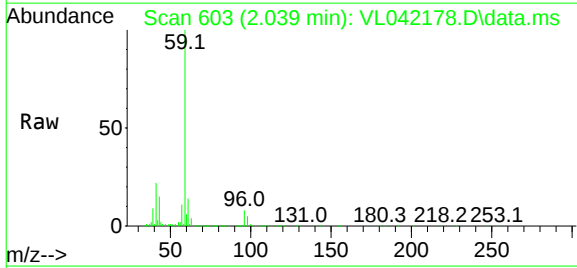
#17
tert-Butyl alcohol
Concen: 13.787 ppbv
RT: 2.039 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 59 Resp: 416362
Ion Ratio Lower Upper
59 100
57 10.8 8.9 13.3

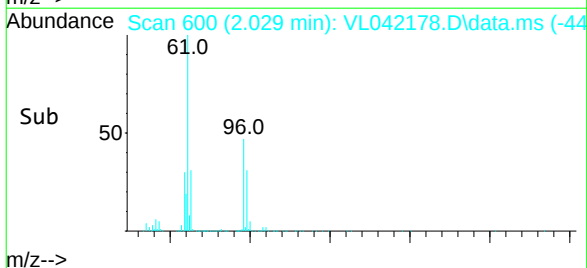
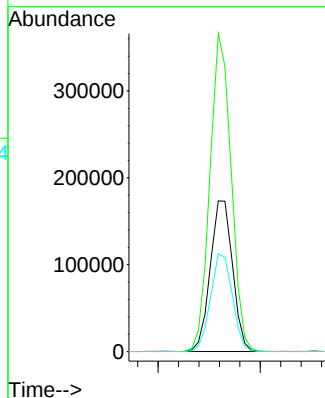
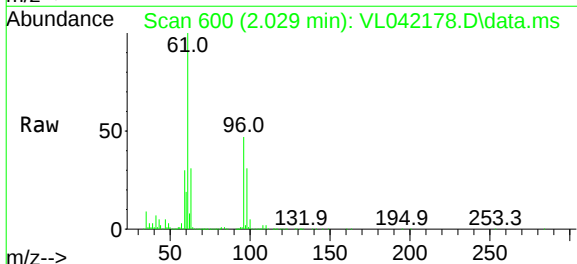
Manual Integrations
APPROVED

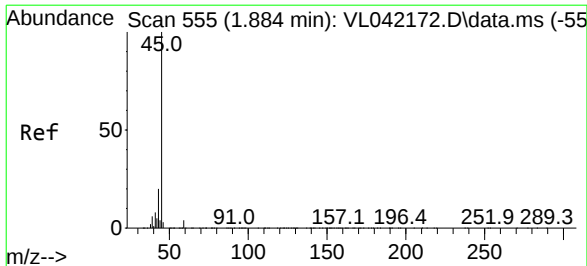
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#18
1,1-Dichloroethene
Concen: 13.762 ppbv
RT: 2.029 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

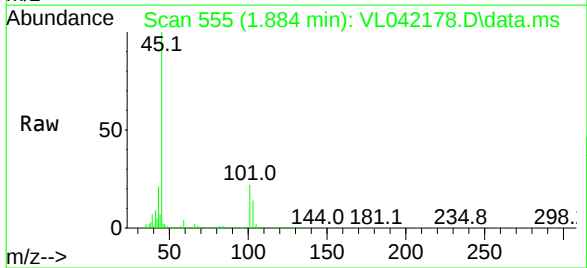
Tgt Ion: 96 Resp: 131720
Ion Ratio Lower Upper
96 100
61 211.1 167.6 251.4
98 64.9 53.5 80.3





#19
Isopropyl Alcohol
Concen: 13.093 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

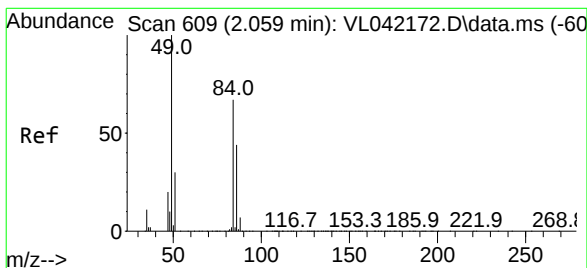
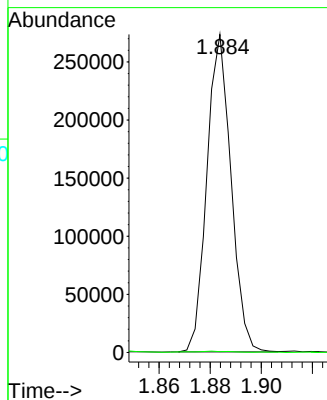
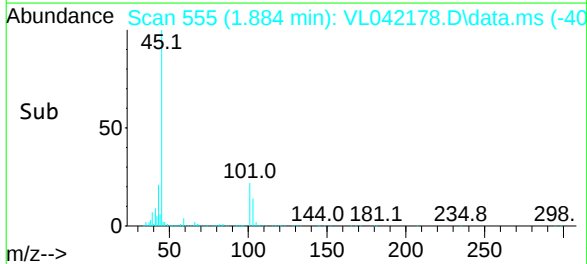
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 45 Resp: 179117
Ion Ratio Lower Upper
45 100
58 46.4 36.9 55.3

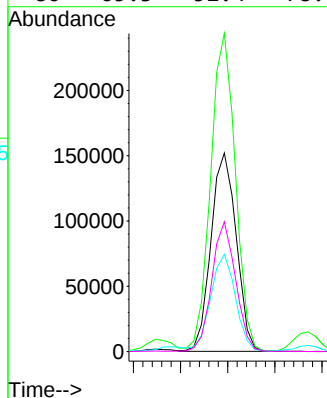
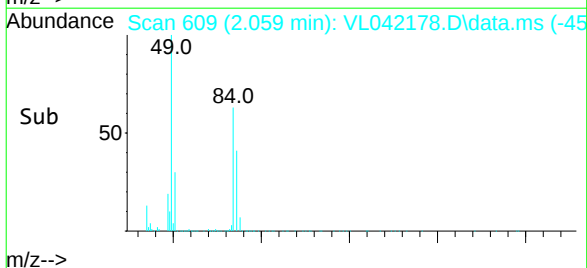
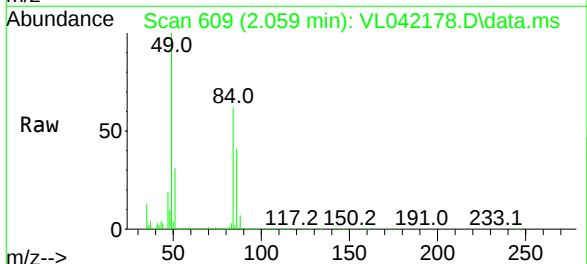
Manual Integrations
APPROVED

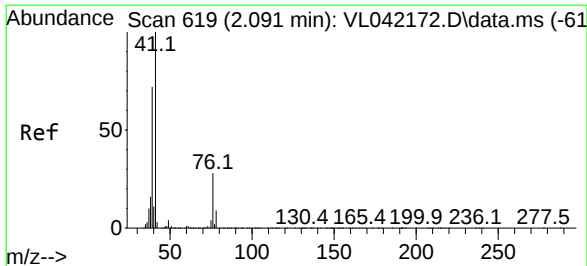
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 12.533 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 84 Resp: 113183
Ion Ratio Lower Upper
84 100
49 159.7 120.2 180.4
51 48.7 37.4 56.0
86 65.3 52.4 78.6





#21

Allyl Chloride

Concen: 14.002 ppbv

RT: 2.094 min Scan# 621

Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

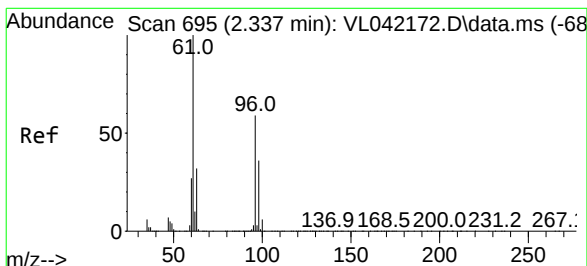
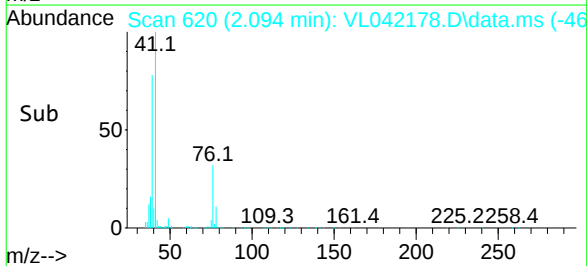
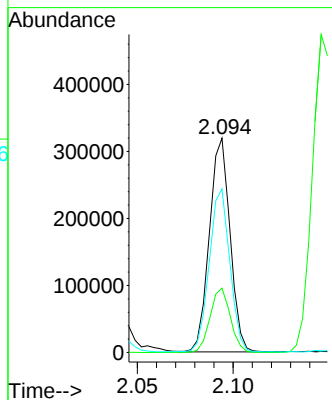
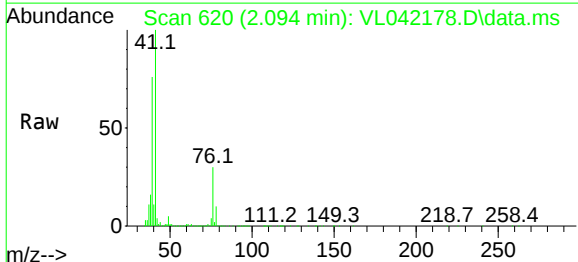
VSTDIC015

Tgt Ion:	41	Resp:	239440
Ion	Ratio	Lower	Upper
41	100		
76	29.5	24.1	36.1
39	76.1	61.1	91.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#22

trans-1,2-Dichloroethene

Concen: 13.362 ppbv

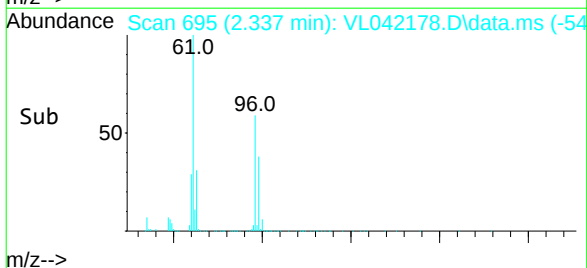
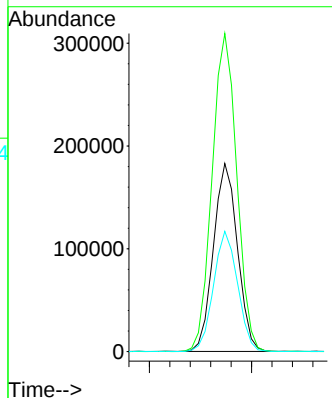
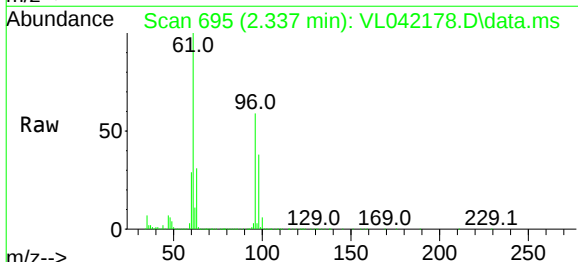
RT: 2.337 min Scan# 695

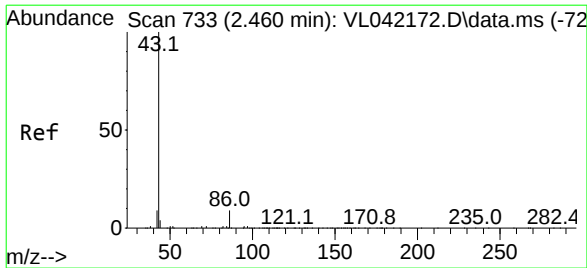
Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

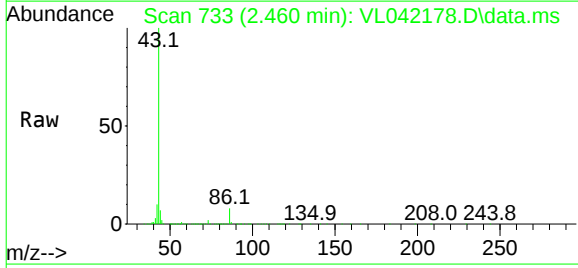
Tgt Ion:	96	Resp:	149455
Ion	Ratio	Lower	Upper
96	100		
61	169.2	136.6	204.8
98	63.9	49.4	74.2





#23
 Vinyl Acetate
 Concen: 13.736 ppbv
 RT: 2.460 min Scan# 733
 Delta R.T. -0.000 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

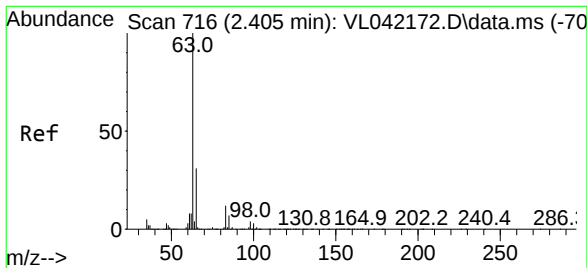
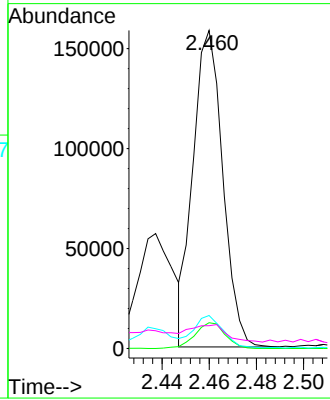
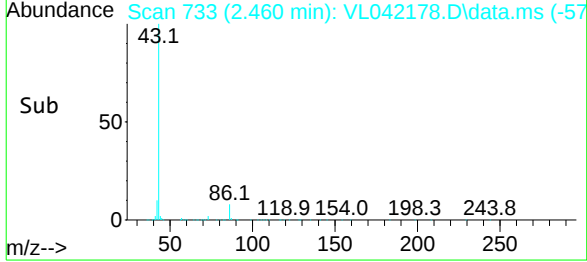
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



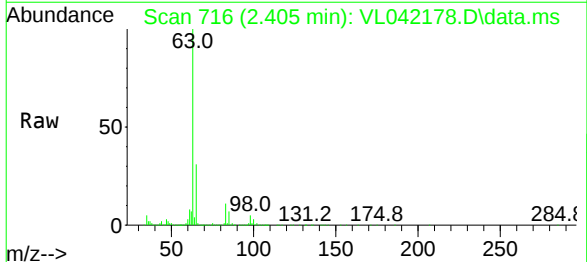
Tgt Ion: 43 Resp: 138419
 Ion Ratio Lower Upper
 43 100
 86 8.1 5.5 8.3
 42 10.1 8.6 13.0
 44 5.0 6.2 9.4#

Manual Integrations
 APPROVED

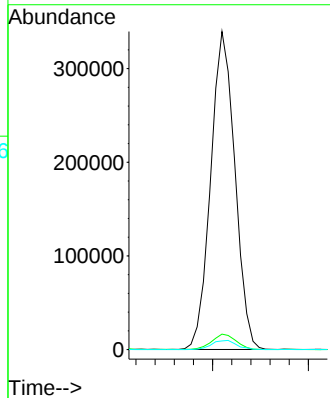
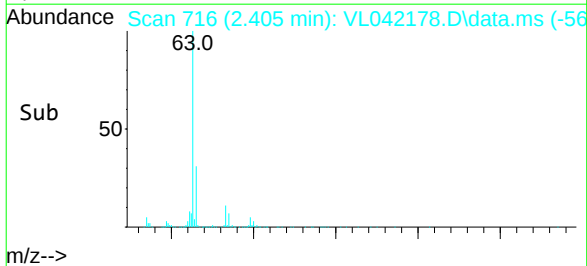
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

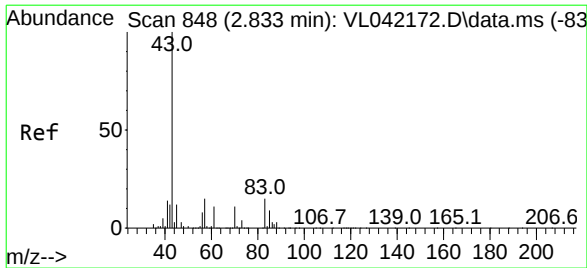


#24
 1,1-Dichloroethane
 Concen: 14.570 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36



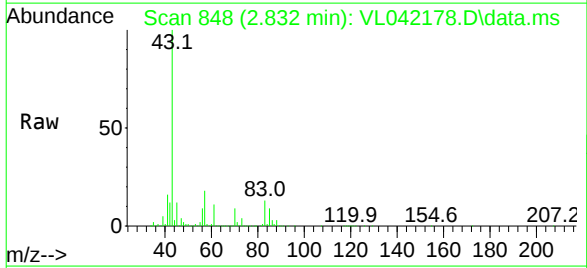
Tgt Ion: 63 Resp: 298760
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.3 6.8
 100 2.7 1.6 4.7





#25
Ethyl Acetate
Concen: 13.855 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

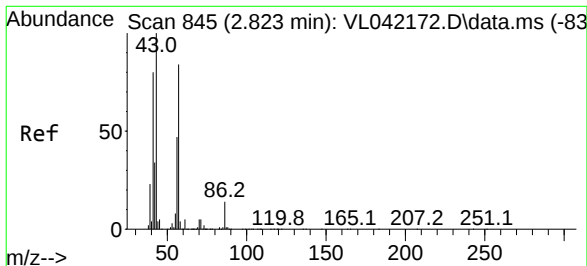
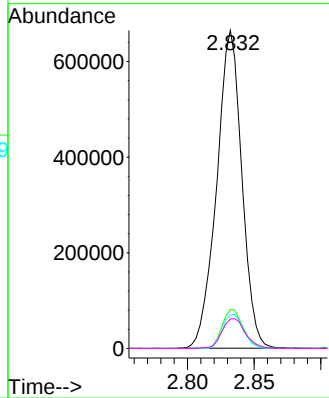
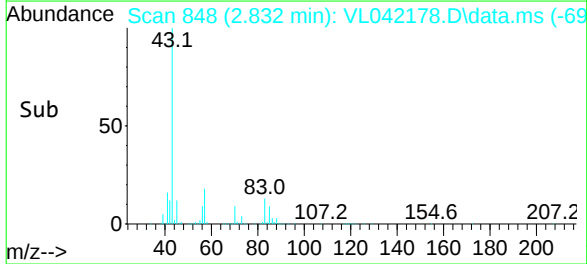
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



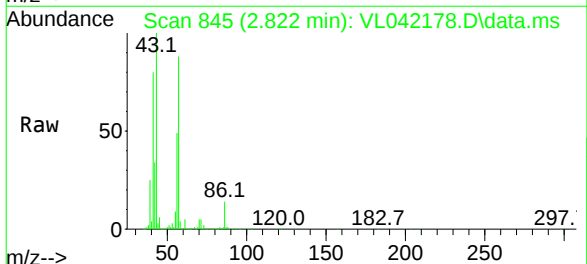
Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	9.0	7.3	10.9
70	8.8	7.2	10.8

Manual Integrations
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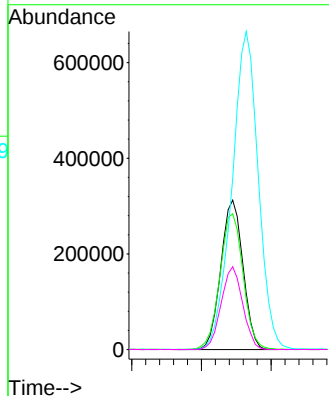
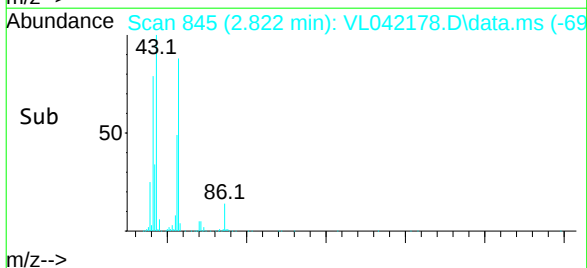
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

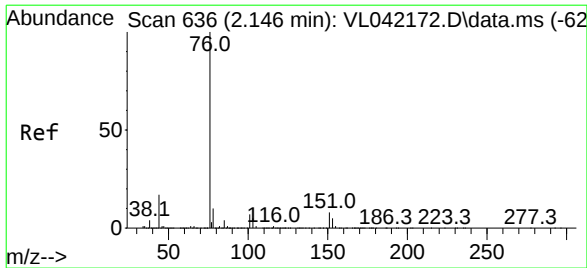


#26
Hexane
Concen: 14.178 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36



Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.1	76.6	114.8
43	254.0	207.8	311.8
56	53.9	43.6	65.4





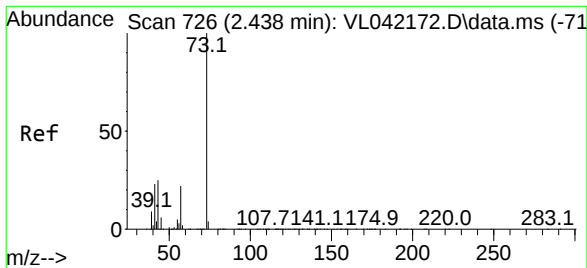
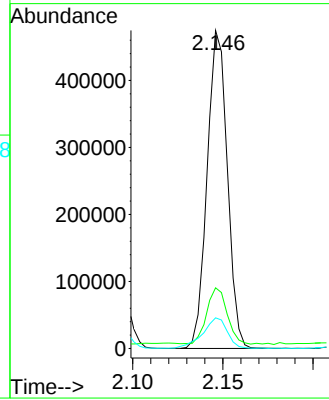
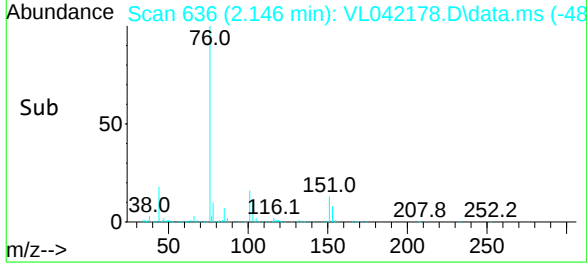
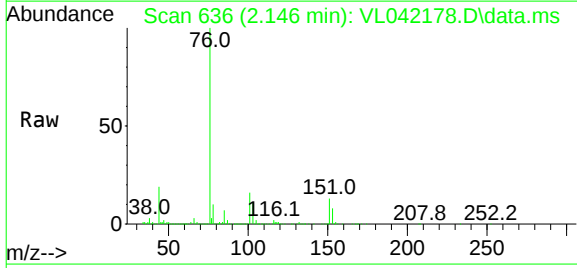
#27
Carbon Disulfide
Concen: 14.196 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 370022
Ion Ratio Lower Upper
76 100
44 20.3 14.7 22.1
78 11.7 9.3 13.9

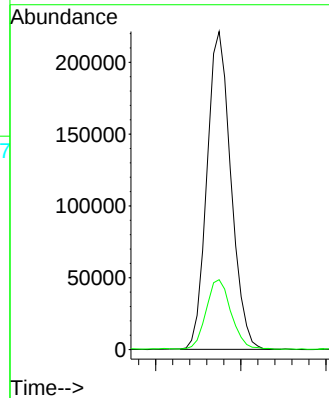
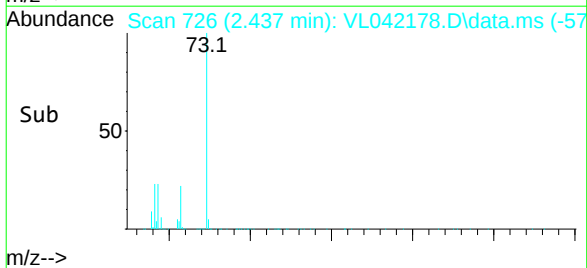
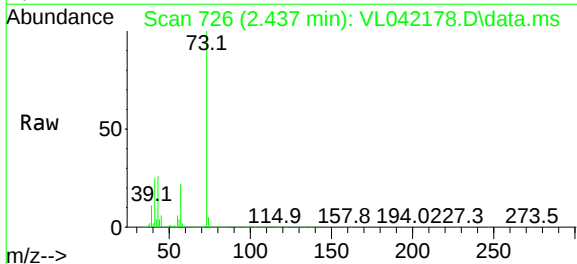
Manual Integrations
APPROVED

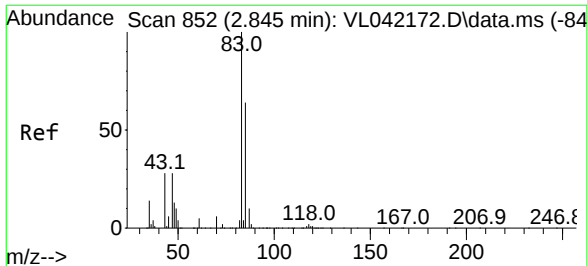
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#28
Methyl tert-Butyl Ether
Concen: 14.303 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 73 Resp: 216463
Ion Ratio Lower Upper
73 100
57 23.2 20.5 30.7





#29

Chloroform

Concen: 14.297 ppbv

RT: 2.845 min Scan# 85

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 83 Resp: 508614

Ion Ratio Lower Upper

83 100

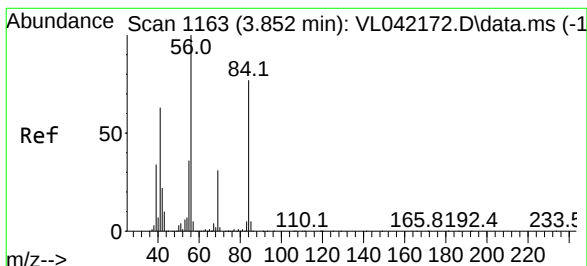
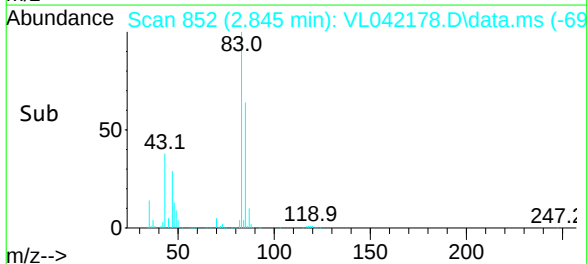
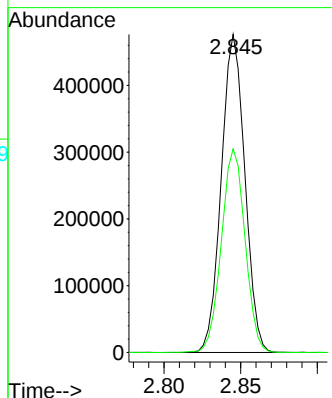
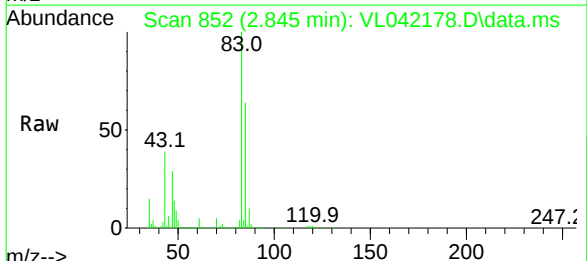
85 64.0 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#30

Cyclohexane

Concen: 14.040 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

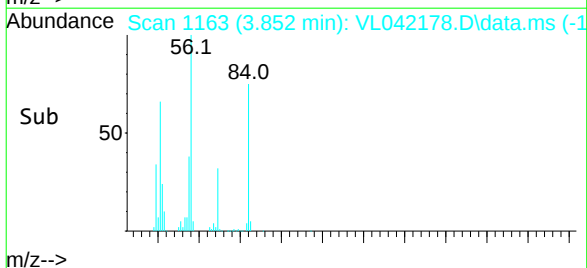
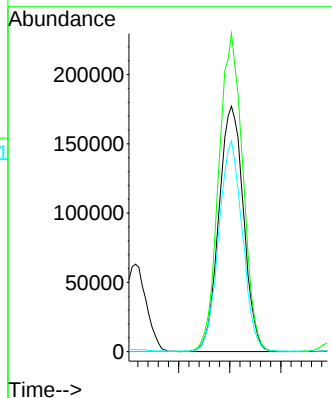
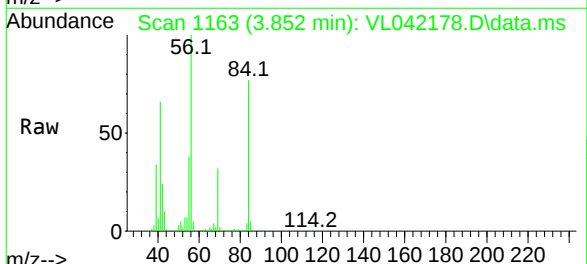
Tgt Ion: 84 Resp: 296458

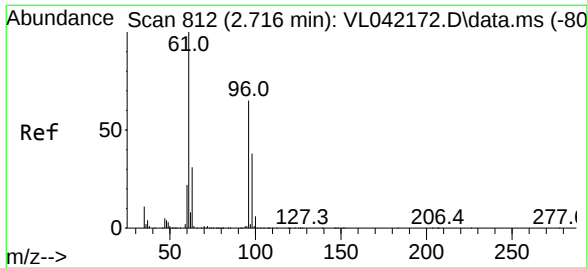
Ion Ratio Lower Upper

84 100

56 126.7 102.8 154.2

41 82.6 66.5 99.7





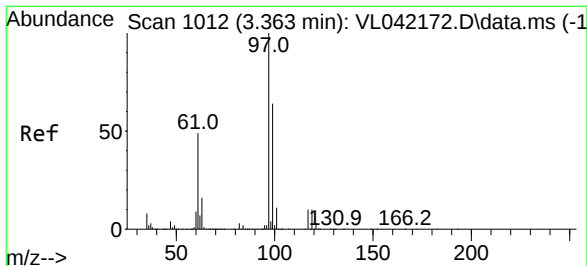
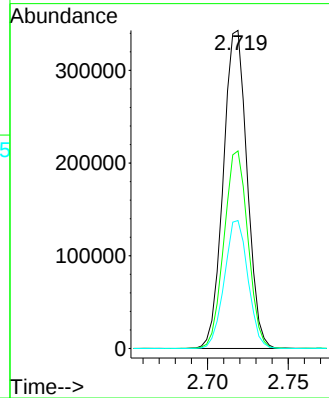
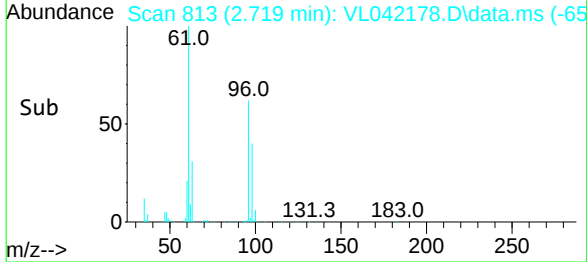
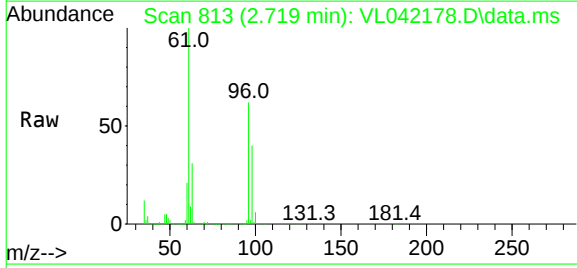
#31
 cis-1,2-Dichloroethene
 Concen: 14.262 ppbv
 RT: 2.719 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 61 Resp: 351945
 Ion Ratio Lower Upper
 61 100
 96 62.1 51.8 77.8
 98 40.2 30.6 46.0

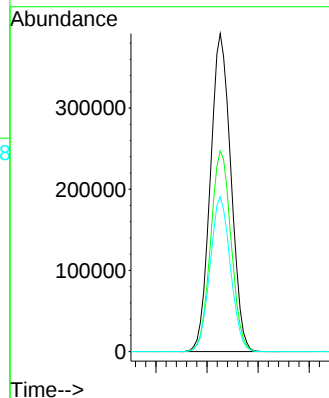
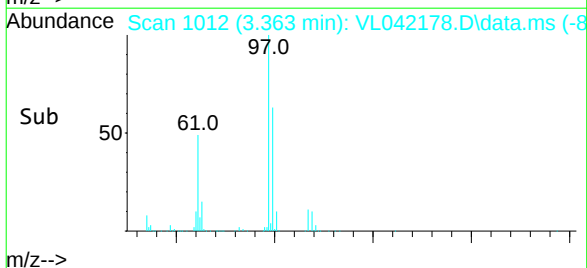
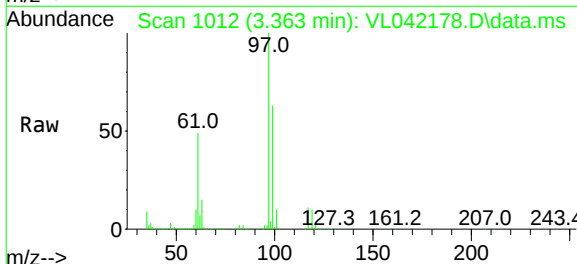
Manual Integrations
 APPROVED

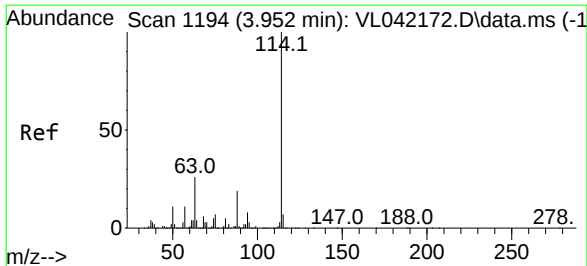
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#32
 1,1,1-Trichloroethane
 Concen: 13.448 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.000 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

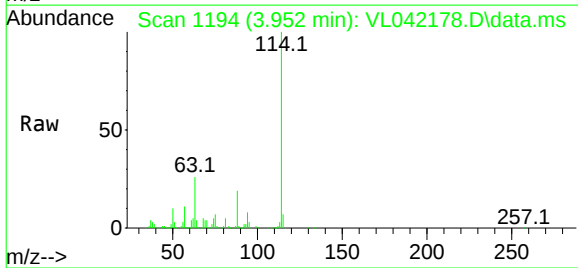
Tgt Ion: 97 Resp: 547329
 Ion Ratio Lower Upper
 97 100
 99 62.8 51.5 77.3
 61 48.4 38.7 58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

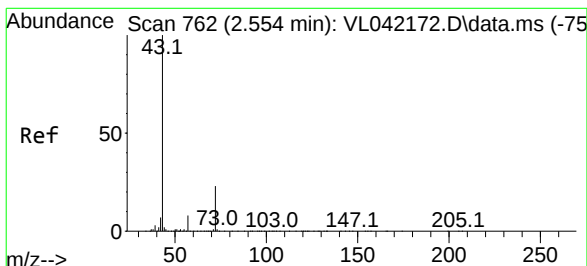
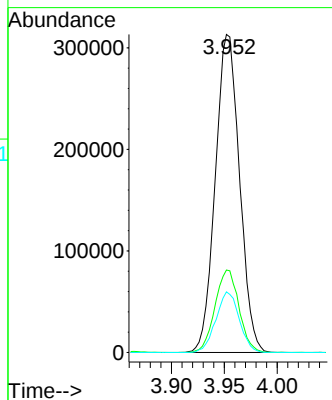
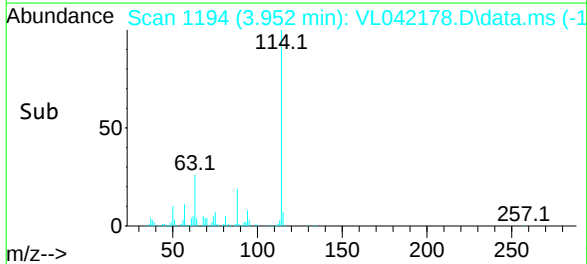
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 114 Resp: 499360
Ion Ratio Lower Upper
114 100
63 25.7 20.7 31.1
88 18.4 15.0 22.4

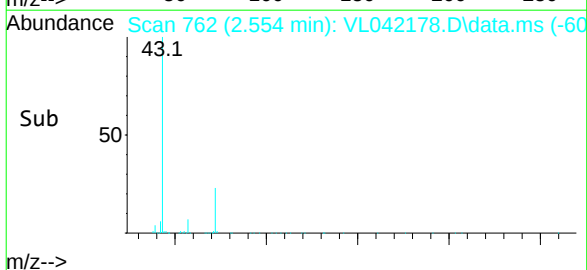
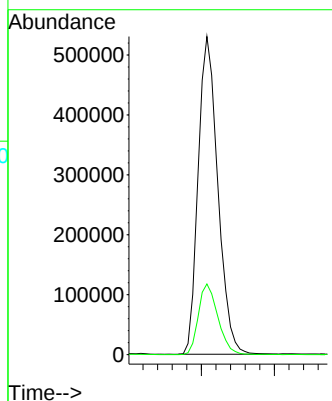
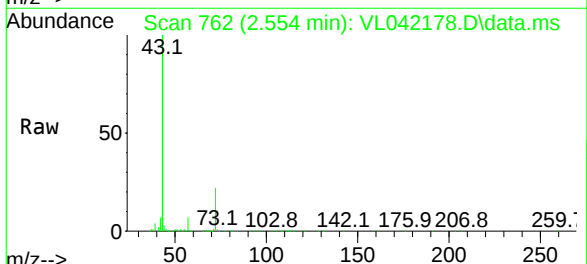
Manual Integrations
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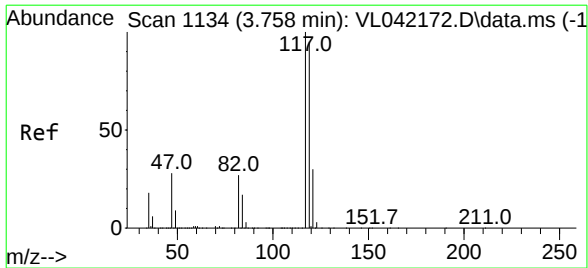
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#34
2-Butanone
Concen: 13.726 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

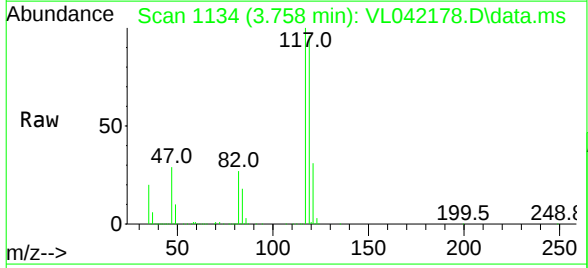
Tgt Ion: 43 Resp: 497020
Ion Ratio Lower Upper
43 100
72 22.0 18.2 27.2





#35
Carbon Tetrachloride
Concen: 14.140 ppbv
RT: 3.758 min Scan# 111
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

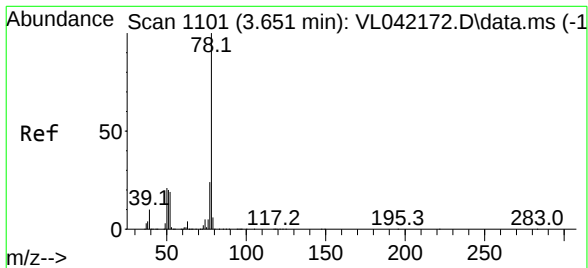
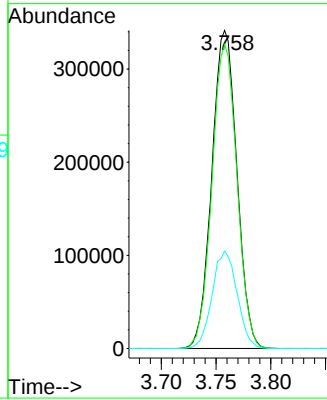
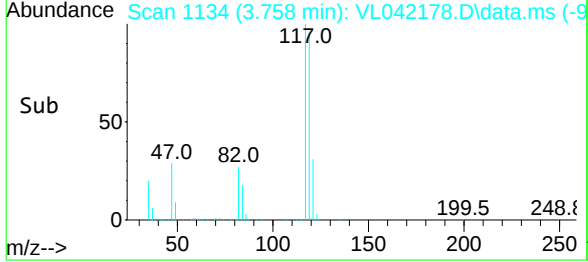
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



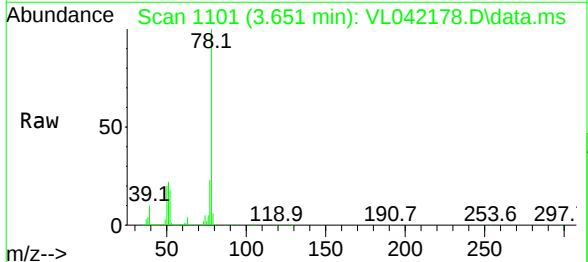
Tgt Ion: 117 Resp: 543385
Ion Ratio Lower Upper
117 100
119 95.5 76.2 114.2
121 30.6 24.2 36.4

Manual Integrations
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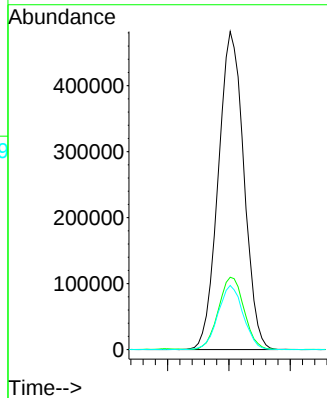
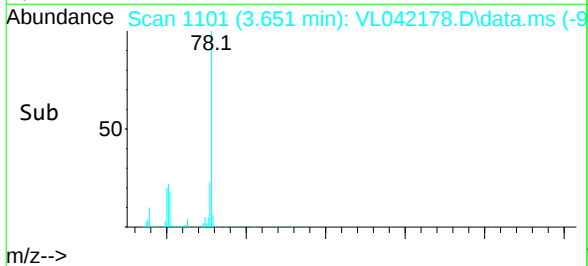
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

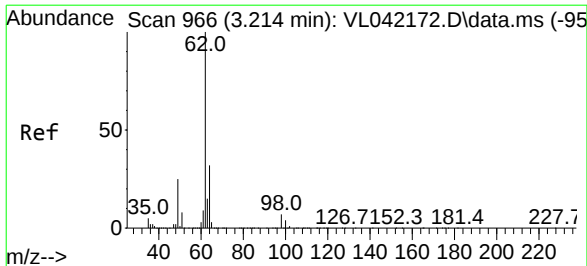


#36
Benzene
Concen: 14.131 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36



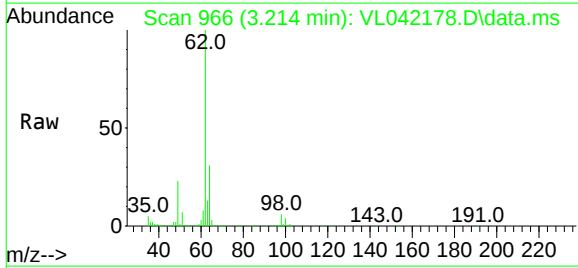
Tgt Ion: 78 Resp: 699549
Ion Ratio Lower Upper
78 100
77 22.7 19.1 28.7
50 20.1 16.6 24.8





#37
1,2-Dichloroethane
Concen: 14.697 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

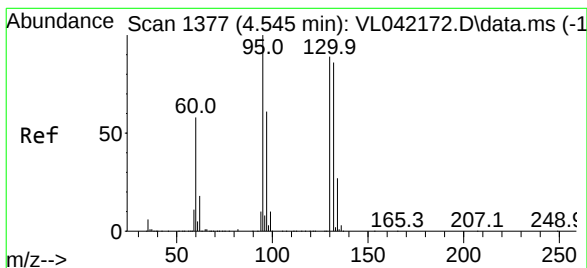
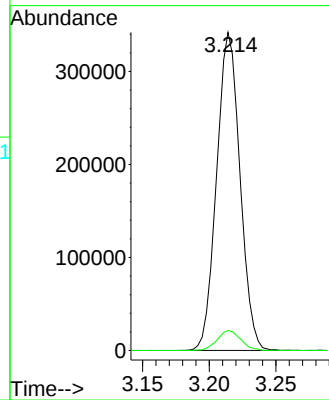
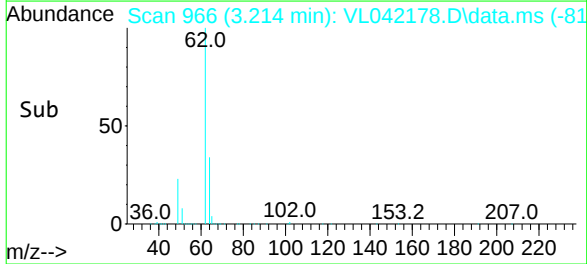
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



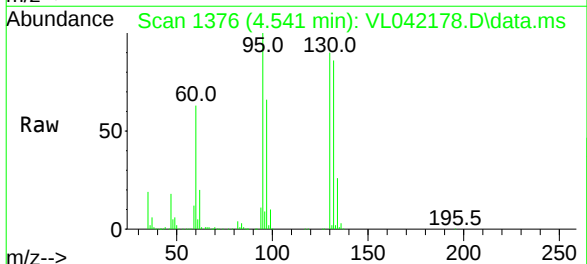
Tgt Ion: 62 Resp: 416544
Ion Ratio Lower Upper
62 100
98 6.4 5.4 8.2

Manual Integrations
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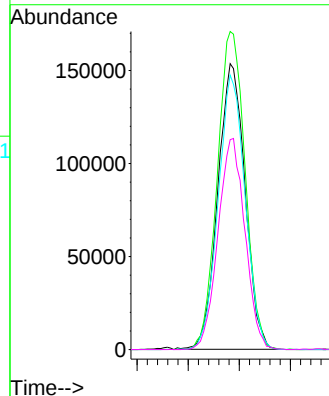
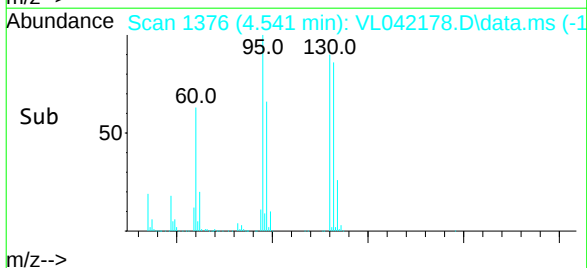
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

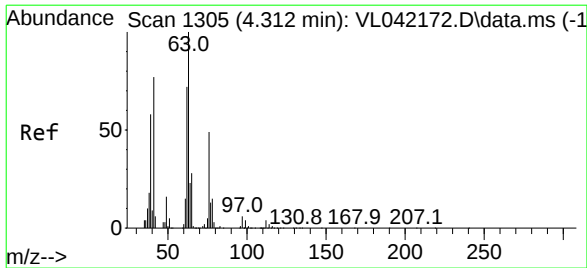


#38
Trichloroethene
Concen: 13.715 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.004 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36



Tgt Ion:130 Resp: 283430
Ion Ratio Lower Upper
130 100
95 111.3 89.8 134.8
132 96.0 77.4 116.2
97 73.5 55.1 82.7





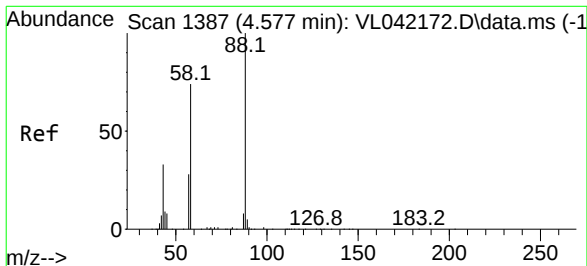
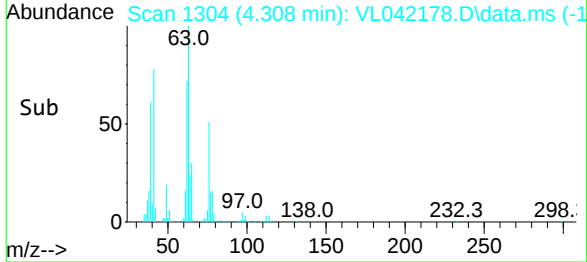
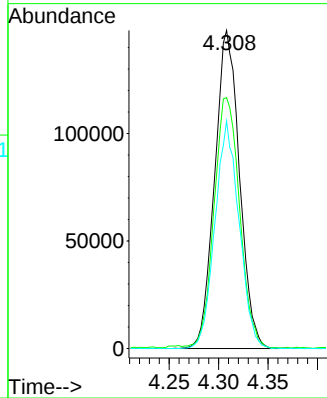
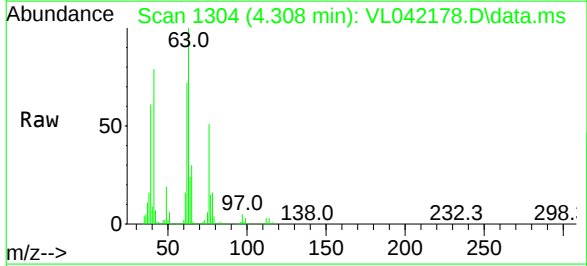
#39
1,2-Dichloropropane
Concen: 14.304 ppbv
RT: 4.308 min Scan# 1305
Delta R.T. -0.004 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 63 Resp: 257891
Ion Ratio Lower Upper
63 100
41 78.7 61.7 92.5
62 71.6 57.6 86.4

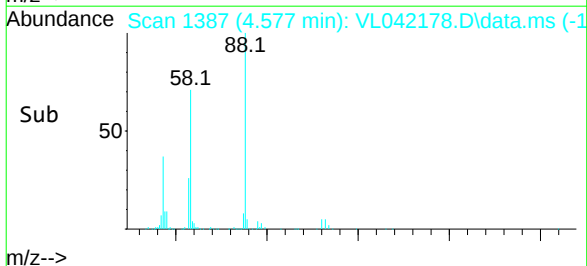
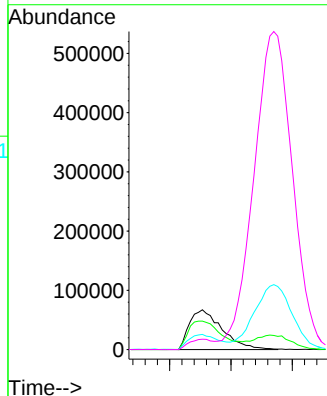
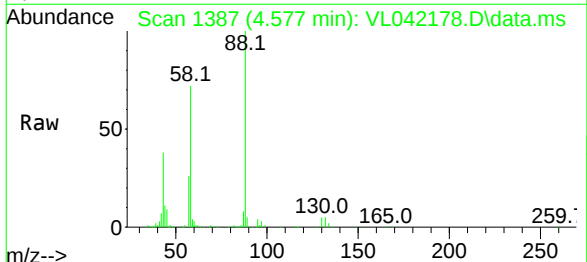
Manual Integrations
APPROVED

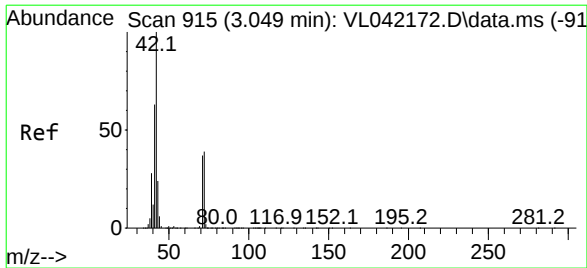
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#40
1,4-Dioxane
Concen: 13.354 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 88 Resp: 124925
Ion Ratio Lower Upper
88 100
58 69.6 62.7 94.1
43 31.6 23.0 34.4
57 0.0 0.0 0.0





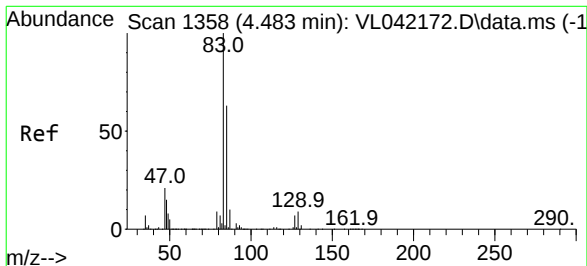
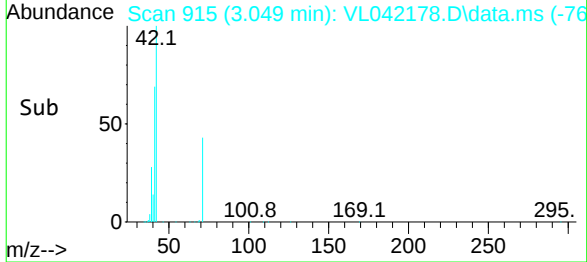
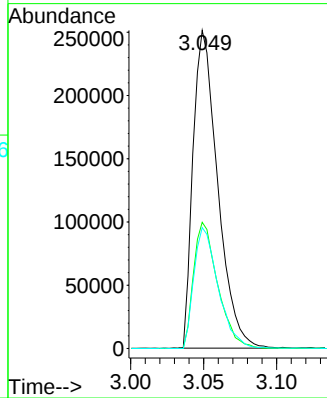
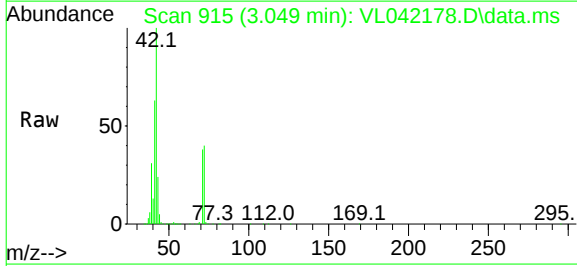
#41
Tetrahydrofuran
Concen: 14.301 ppbv
RT: 3.049 min Scan# 915
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 42 Resp: 294634
Ion Ratio Lower Upper
42 100
72 39.0 31.4 47.0
71 37.9 30.2 45.4

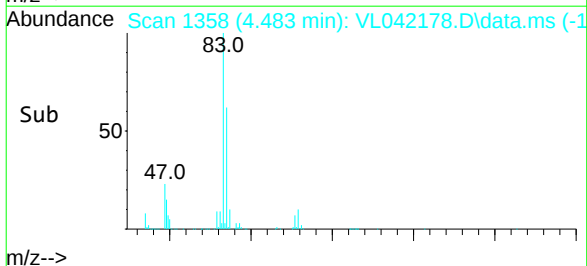
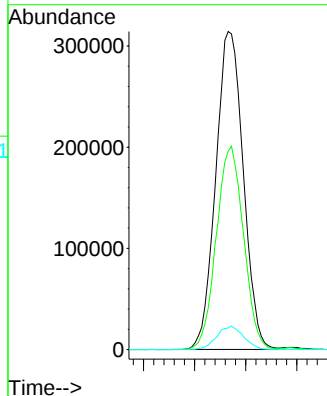
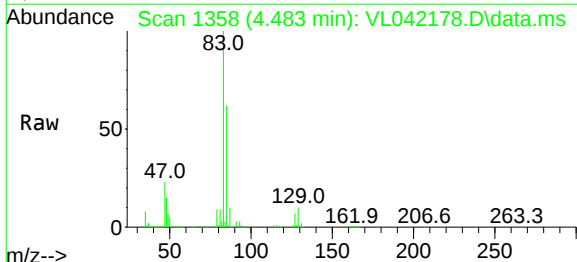
Manual Integrations
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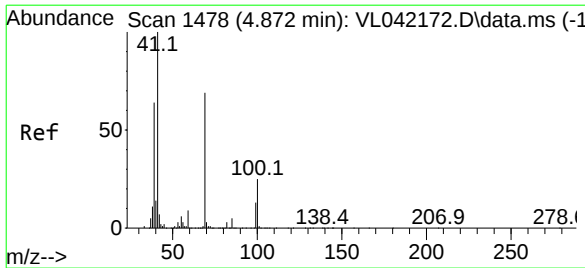
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#42
Bromodichloromethane
Concen: 15.043 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 83 Resp: 587772
Ion Ratio Lower Upper
83 100
85 62.4 50.5 75.7
127 6.8 5.9 8.9





#43

Methyl Methacrylate

Concen: 14.130 ppbv

RT: 4.874 min Scan# 1478

Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

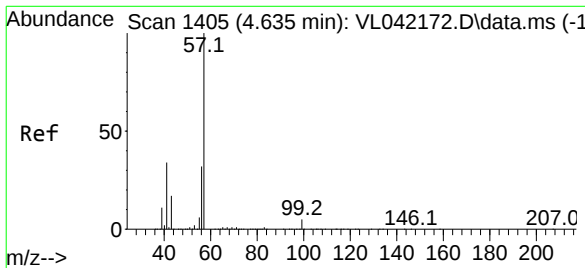
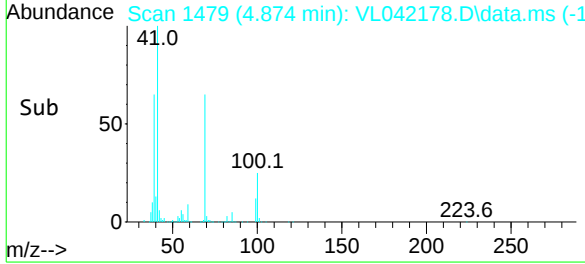
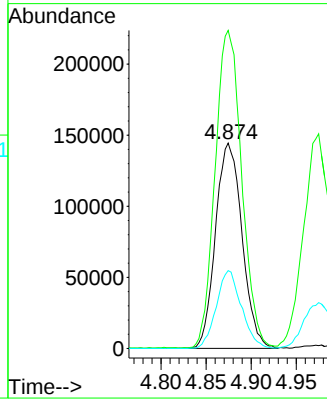
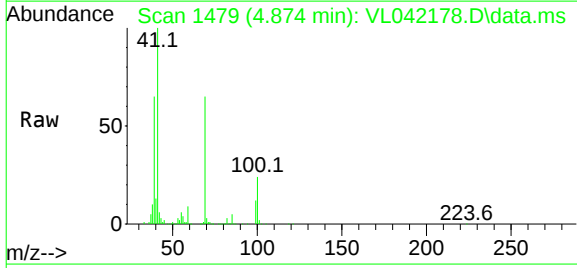
VSTDICC015

Tgt Ion:	69	Resp:	295300
Ion	Ratio	Lower	Upper
69	100		
41	155.4	123.8	185.6
100	36.0	28.4	42.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#44

2,2,4-Trimethylpentane

Concen: 14.108 ppbv

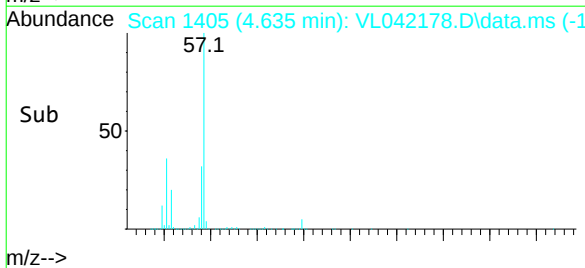
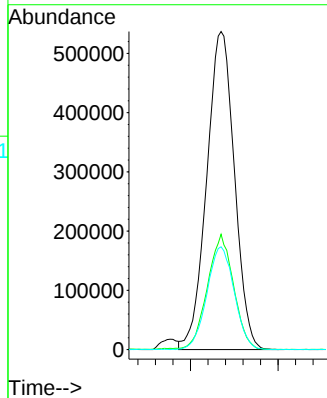
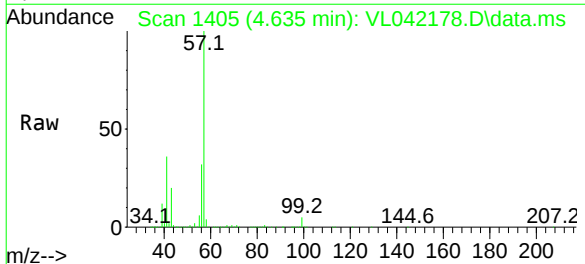
RT: 4.635 min Scan# 1405

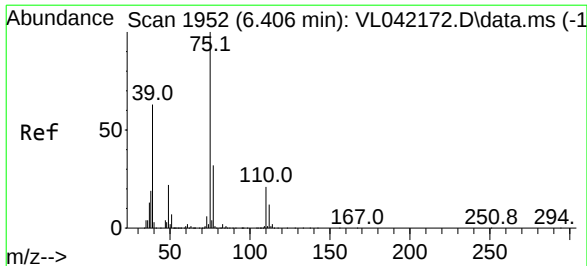
Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Tgt Ion:	57	Resp:	1180275
Ion	Ratio	Lower	Upper
57	100		
41	34.2	26.8	40.2
56	31.9	25.6	38.4





#45

t-1,3-Dichloropropene

Concen: 14.649 ppbv

RT: 6.405 min Scan# 19

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 329360

Ion Ratio Lower Upper

75 100

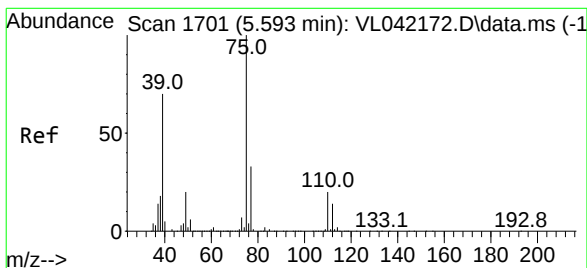
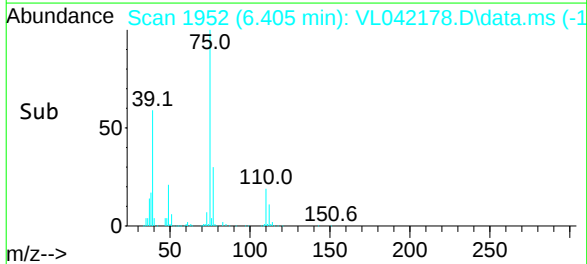
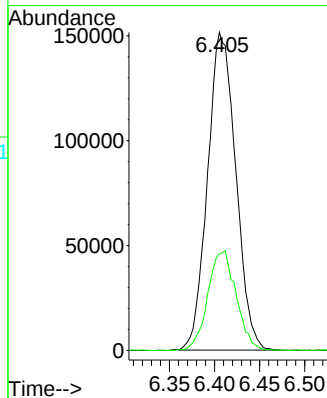
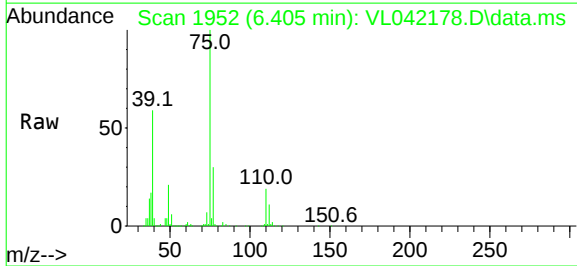
77 30.4 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#46

cis-1,3-Dichloropropene

Concen: 14.542 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

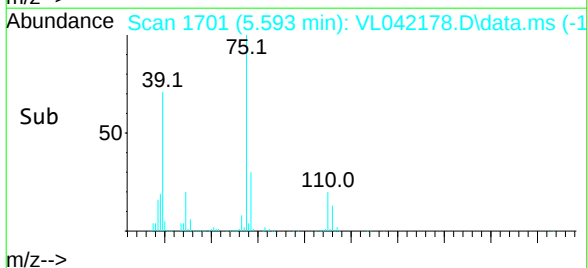
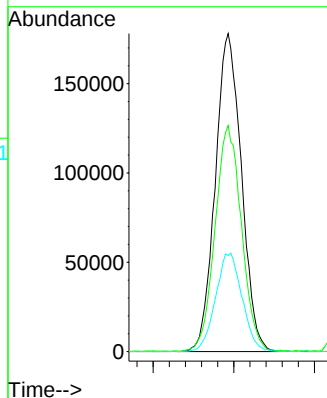
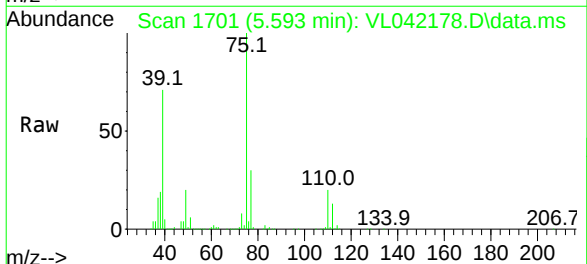
Tgt Ion: 75 Resp: 400813

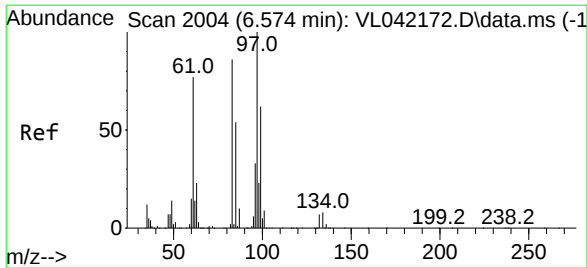
Ion Ratio Lower Upper

75 100

39 70.9 55.8 83.6

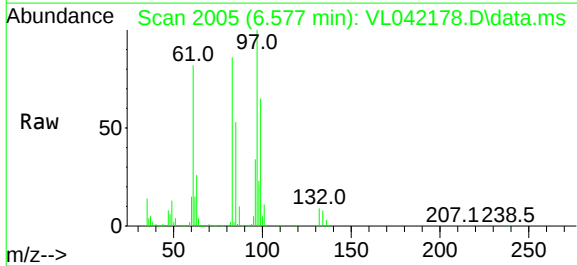
77 30.2 26.0 39.0





#47
1,1,2-Trichloroethane
Concen: 14.331 ppbv
RT: 6.577 min Scan# 2005
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

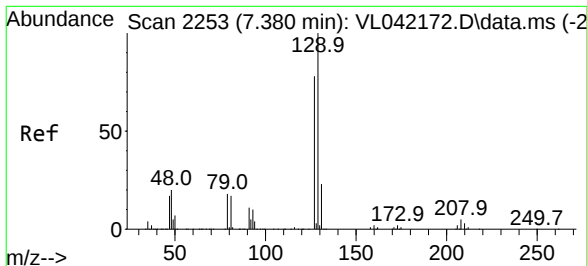
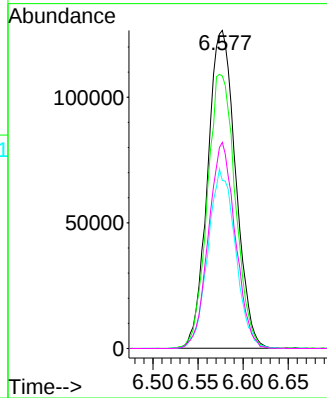
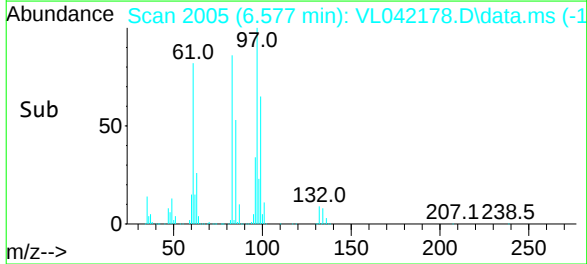
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 97 Resp: 273137
Ion Ratio Lower Upper
97 100
83 85.7 69.2 103.8
85 52.7 43.1 64.7
99 64.7 49.4 74.2

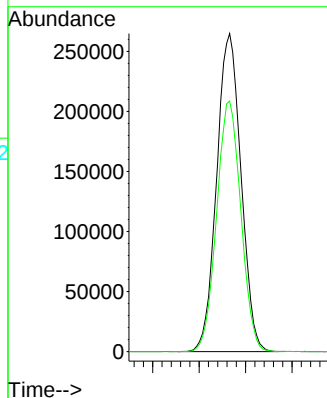
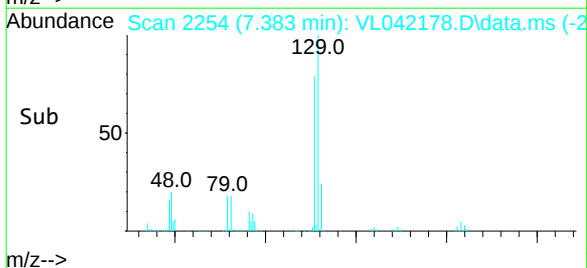
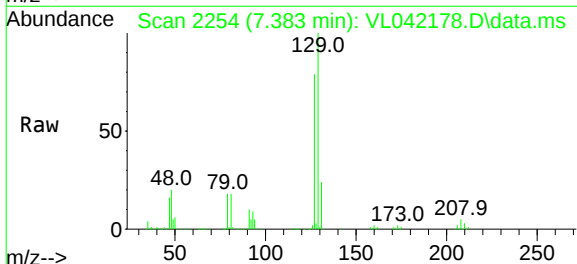
Manual Integrations
APPROVED

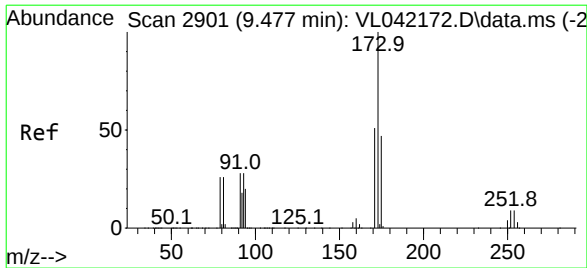
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#48
Dibromochloromethane
Concen: 14.936 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:129 Resp: 482431
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.2





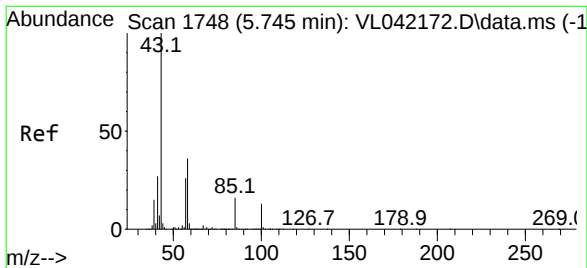
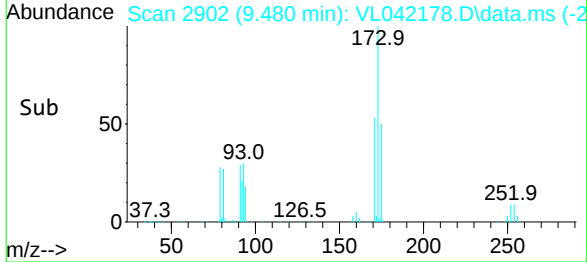
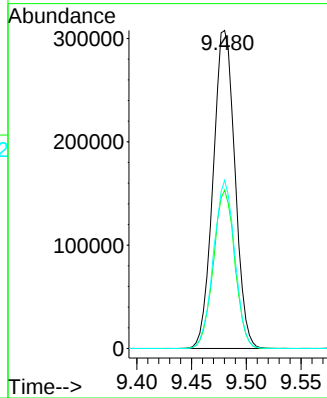
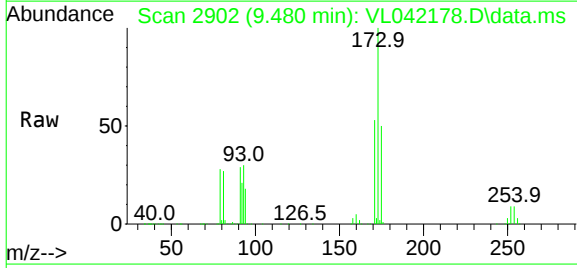
#49
Bromoform
Concen: 14.730 ppbv
RT: 9.480 min Scan# 2901
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 173 Resp: 427143
Ion Ratio Lower Upper
173 100
175 48.9 38.6 57.8
171 51.5 41.8 62.6

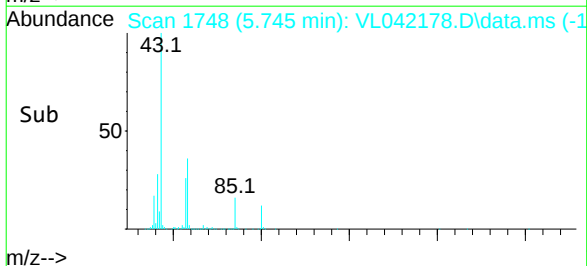
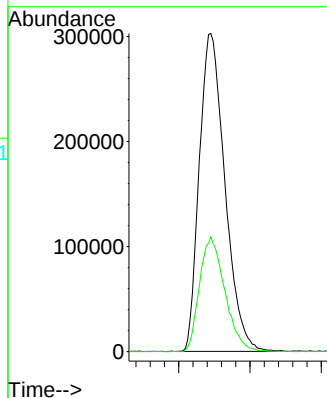
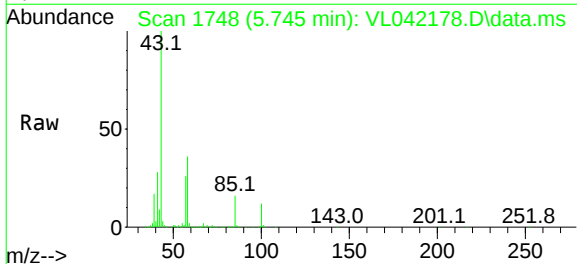
Manual Integrations
APPROVED

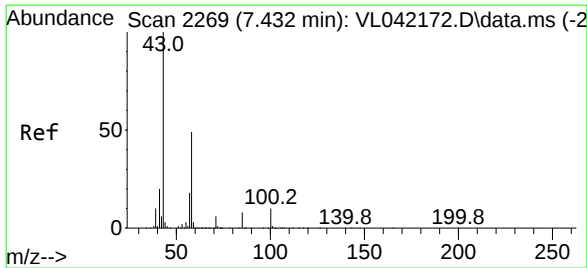
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#50
4-Methyl-2-Pentanone
Concen: 13.155 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 43 Resp: 755146
Ion Ratio Lower Upper
43 100
58 35.5 29.0 43.6





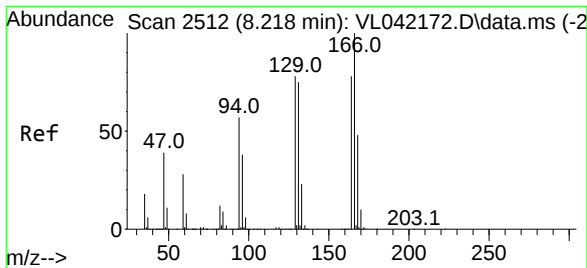
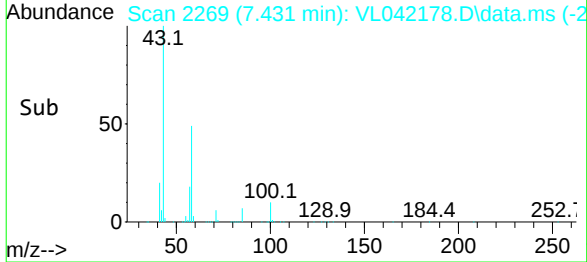
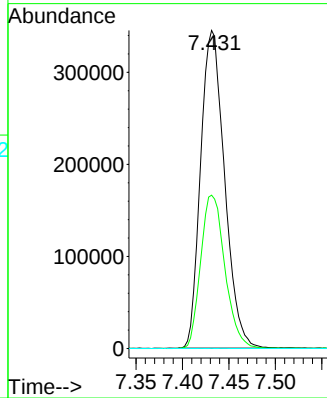
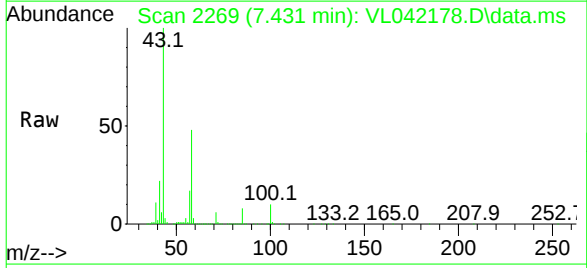
#51
2-Hexanone
Concen: 13.005 ppbv
RT: 7.431 min Scan# 2269
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 619419
Ion Ratio Lower Upper
43 100
58 49.0 39.7 59.5
98 0.0 0.1 0.1#

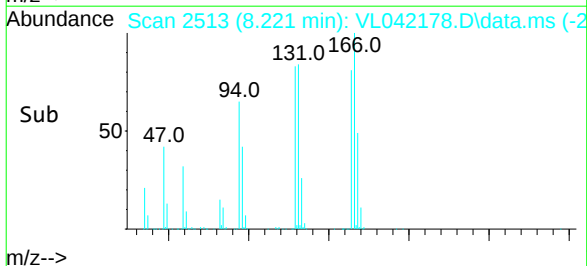
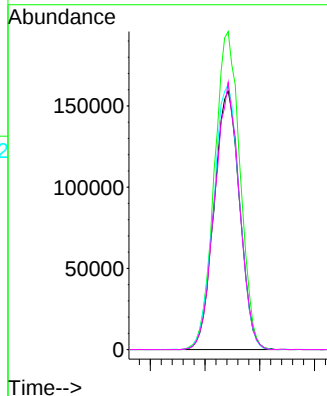
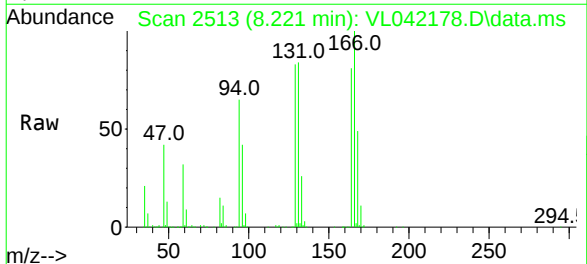
Manual Integrations
APPROVED

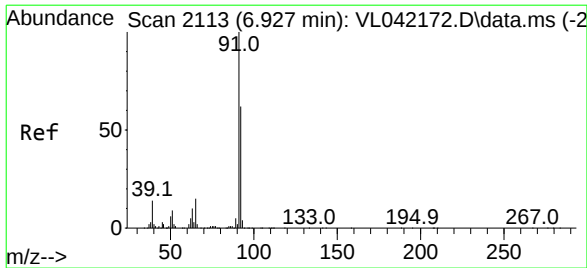
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#52
Tetrachloroethene
Concen: 13.159 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:164 Resp: 258356
Ion Ratio Lower Upper
164 100
166 123.0 102.5 153.7
129 102.5 79.8 119.8
131 103.3 76.6 114.8





#53

Toluene

Concen: 14.137 ppbv

RT: 6.926 min Scan# 2113

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 91 Resp: 829648

Ion Ratio Lower Upper

91 100

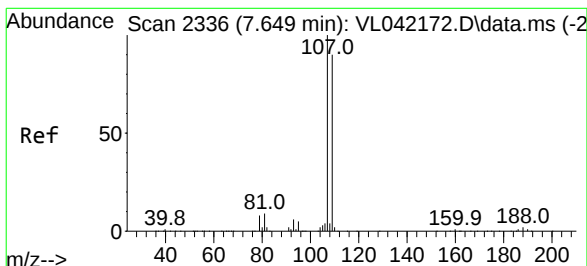
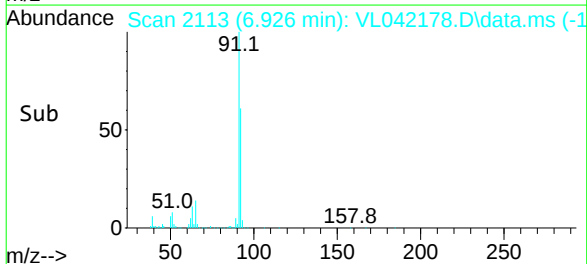
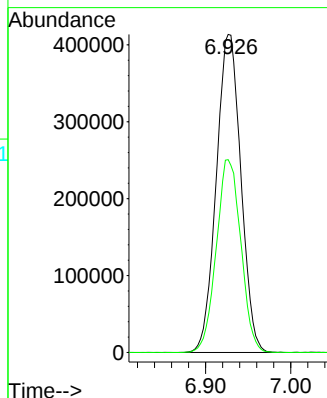
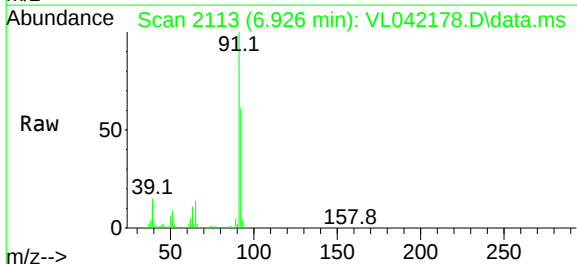
92 60.6 48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#54

1,2-Dibromoethane

Concen: 14.359 ppbv

RT: 7.645 min Scan# 2335

Delta R.T. -0.004 min

Lab File: VL042178.D

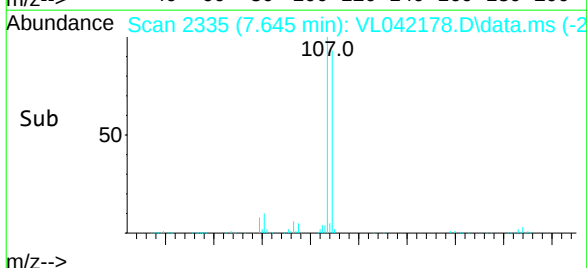
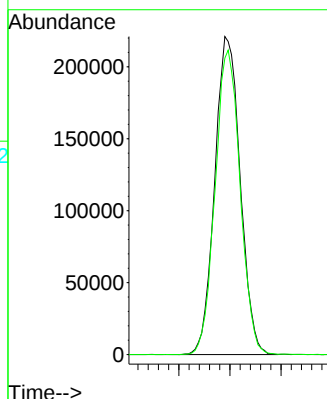
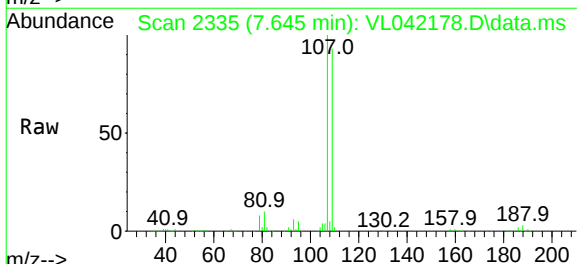
Acq: 27 Mar 2025 11:36

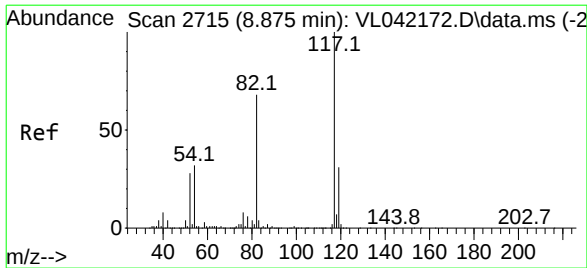
Tgt Ion:107 Resp: 381823

Ion Ratio Lower Upper

107 100

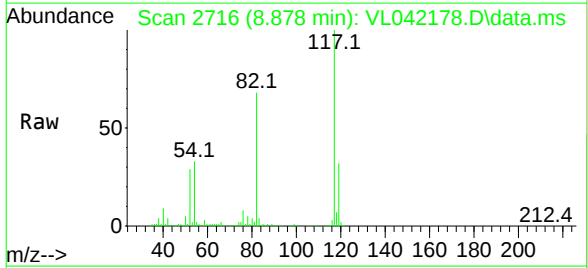
109 93.2 72.2 108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

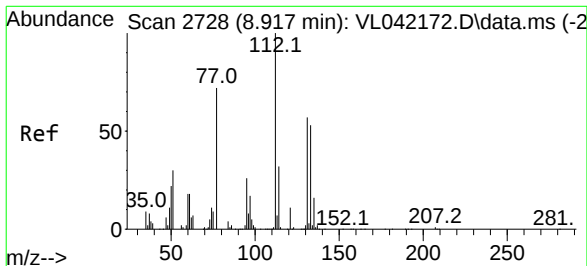
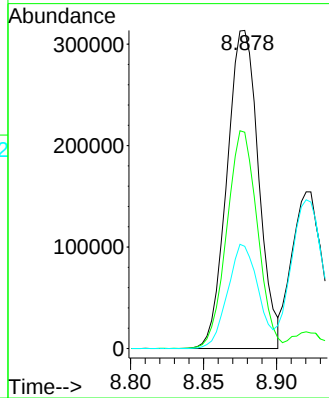
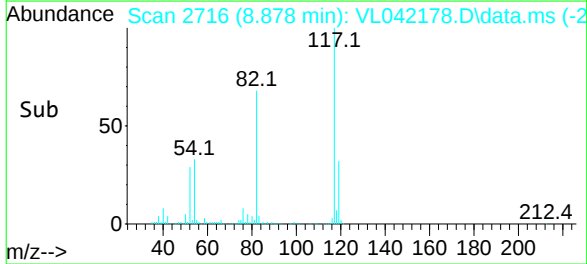
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:117 Resp: 473077
Ion Ratio Lower Upper
117 100
82 71.4 55.8 83.6
119 31.7 25.5 38.3

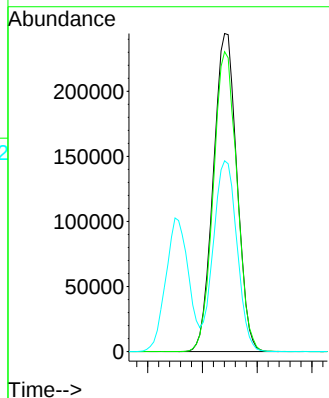
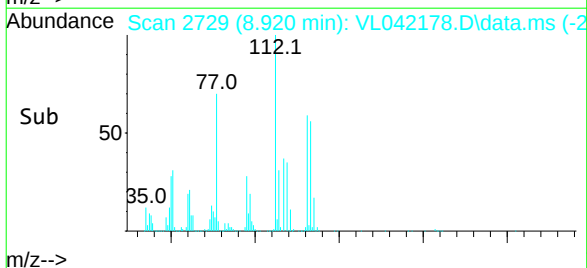
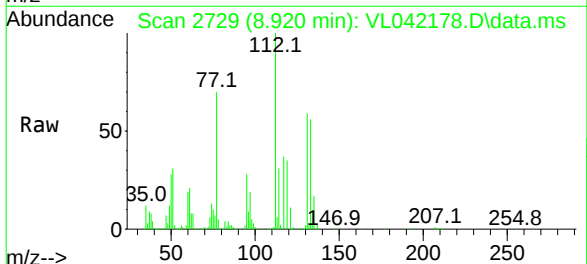
Manual Integrations
APPROVED

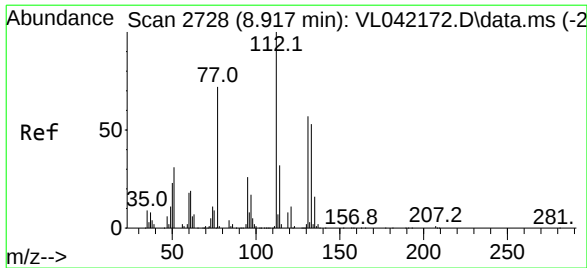
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 14.032 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:131 Resp: 365410
Ion Ratio Lower Upper
131 100
133 94.5 76.6 114.8
119 61.2 49.8 74.6





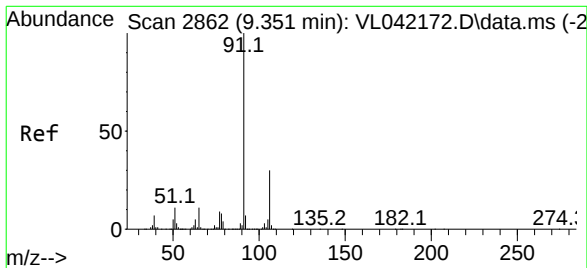
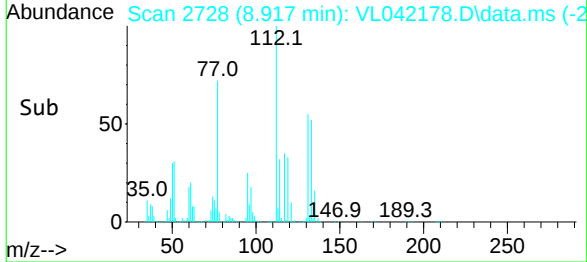
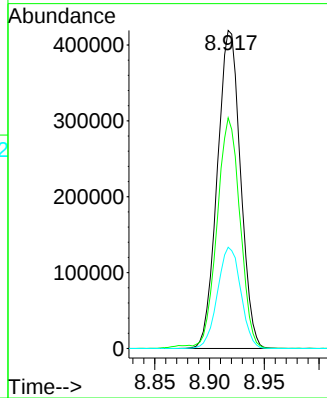
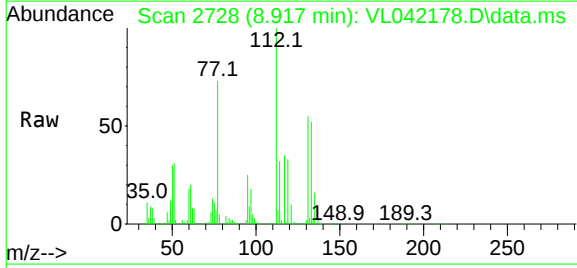
#57
Chlorobenzene
Concen: 13.777 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 112 Resp: 618201
Ion Ratio Lower Upper
112 100
77 72.5 58.2 87.2
114 31.8 29.1 35.5

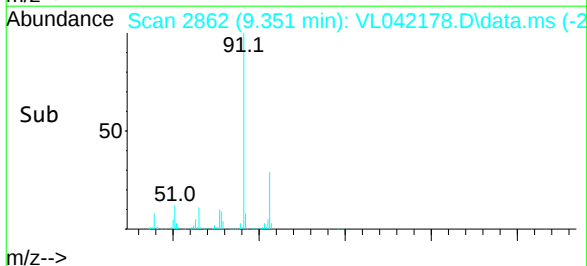
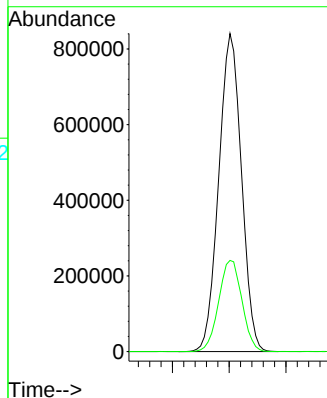
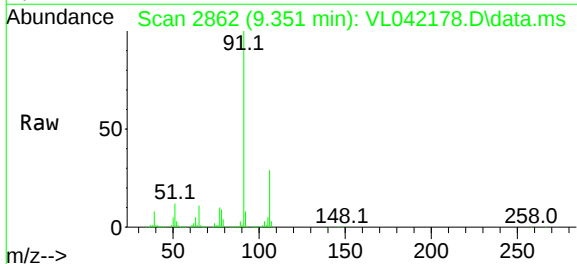
Manual Integrations
APPROVED

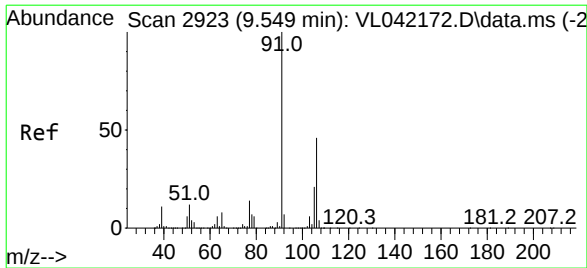
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#58
Ethyl Benzene
Concen: 13.889 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

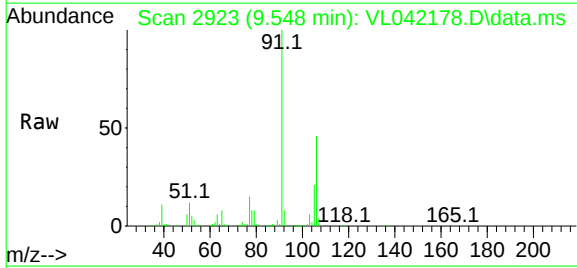
Tgt Ion: 91 Resp: 1167096
Ion Ratio Lower Upper
91 100
106 28.7 24.2 36.2





#59
m/p-Xylene
Concen: 27.651 ppbv m
RT: 9.548 min Scan# 29
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

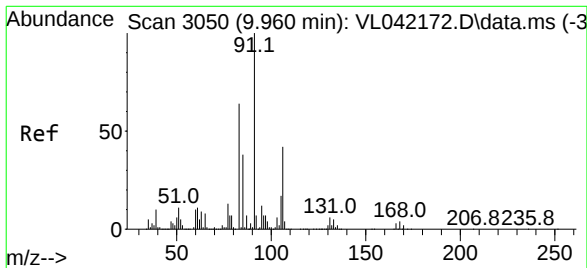
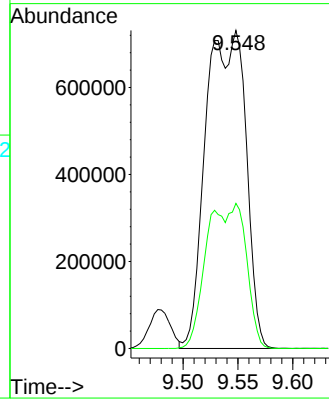
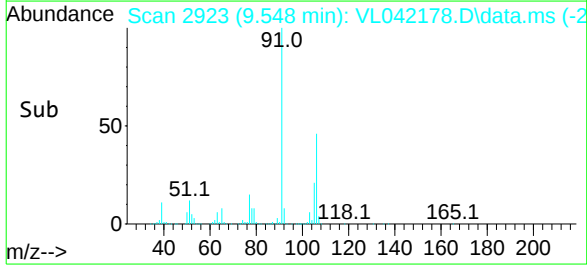
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 91 Resp: 1857561
Ion Ratio Lower Upper
91 100
106 45.2 36.4 54.6

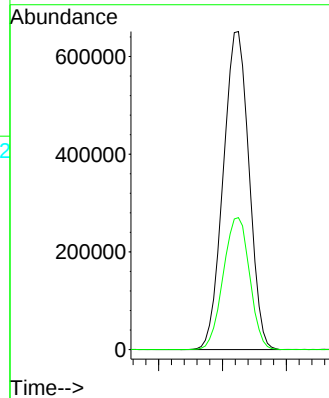
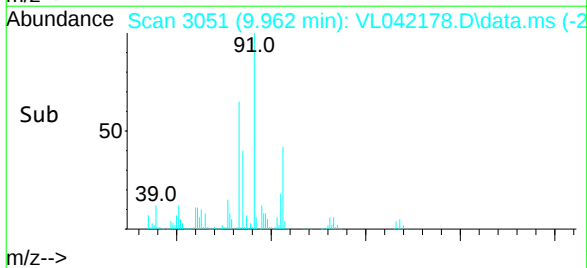
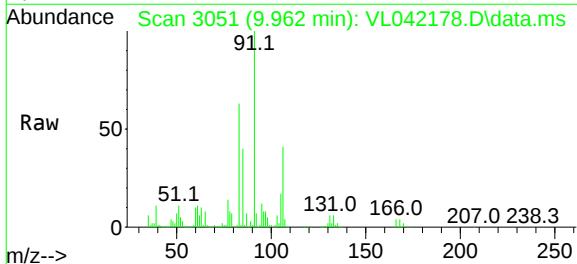
Manual Integrations
APPROVED

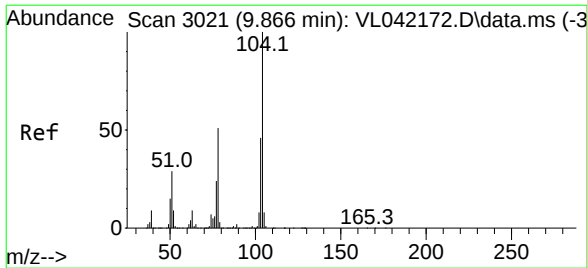
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#60
o-Xylene
Concen: 13.577 ppbv
RT: 9.962 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 913234
Ion Ratio Lower Upper
91 100
106 42.4 20.8 62.5





#61

Styrene

Concen: 14.250 ppbv

RT: 9.865 min Scan# 3021

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

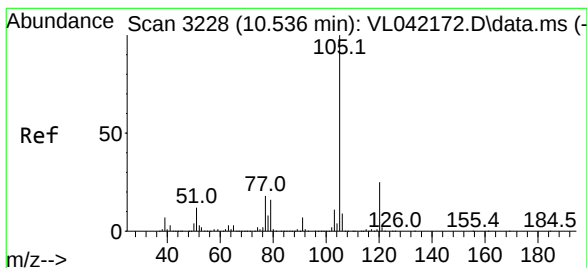
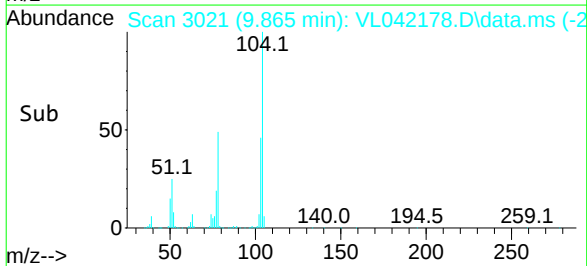
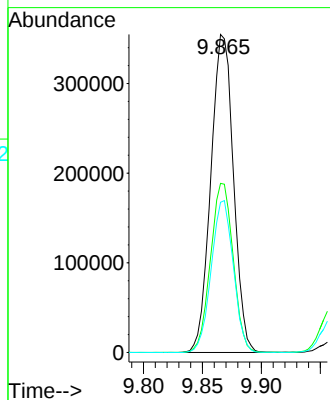
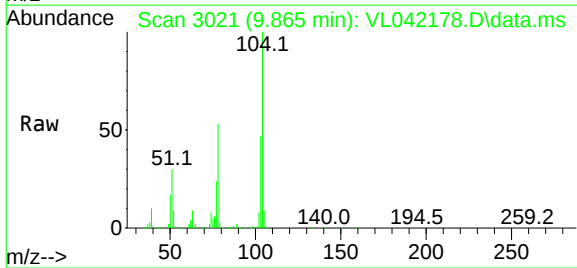
VSTDICC015

Tgt Ion:	104	Resp:	474195
Ion Ratio	Lower	Upper	
104	100		
78	53.0	41.8	62.6
103	46.7	37.0	55.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#62

Isopropylbenzene

Concen: 13.544 ppbv

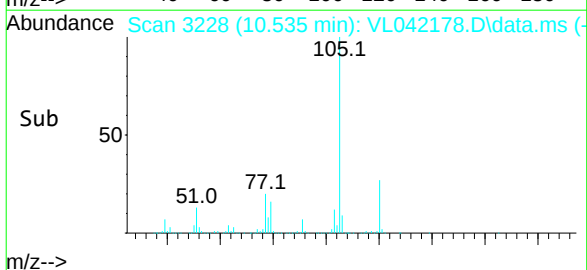
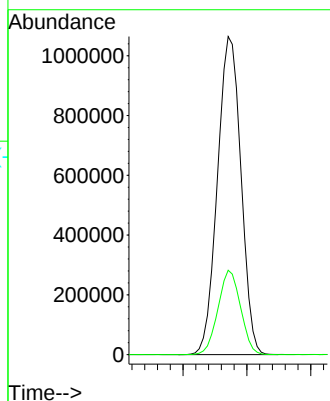
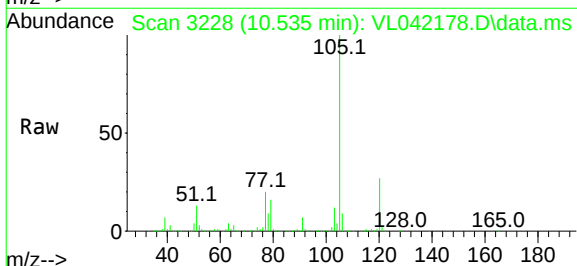
RT: 10.535 min Scan# 3228

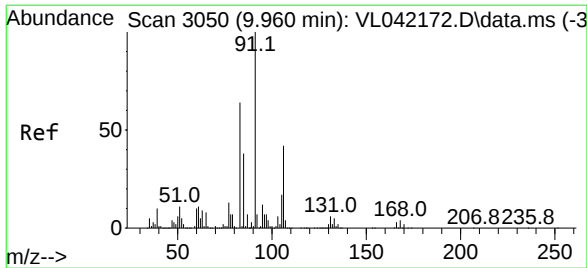
Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

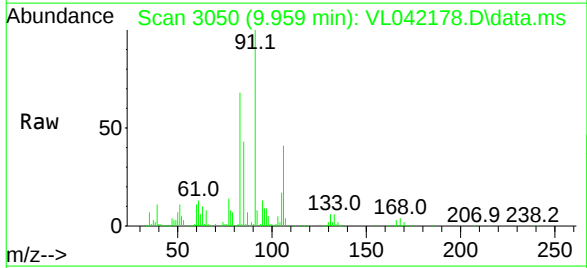
Tgt Ion:	105	Resp:	1362416
Ion Ratio	Lower	Upper	
105	100		
120	25.3	19.9	29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 13.491 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

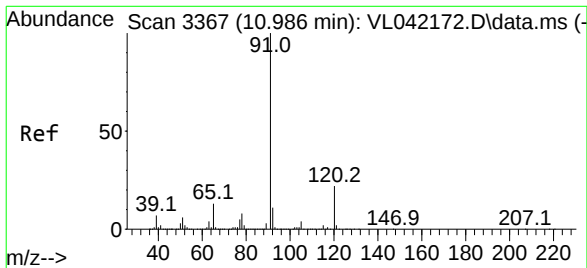
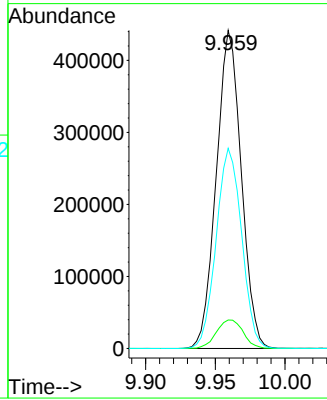
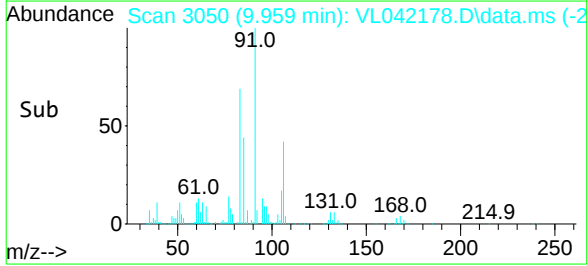
Instrument : MSVOA_1
ClientSampleId : VSTDIC015



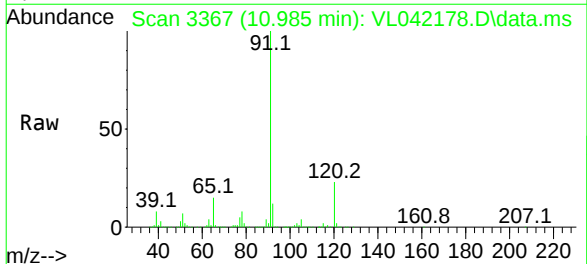
Tgt Ion: 83 Resp: 551386
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.4
85 64.2 32.5 97.5

Manual Integrations
APPROVED

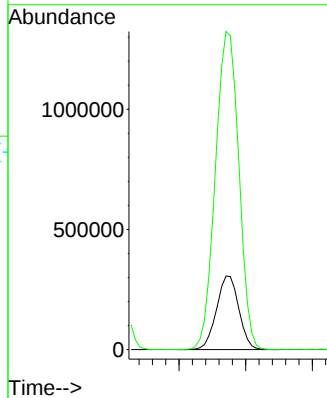
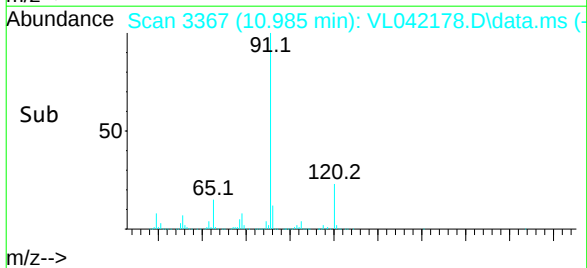
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

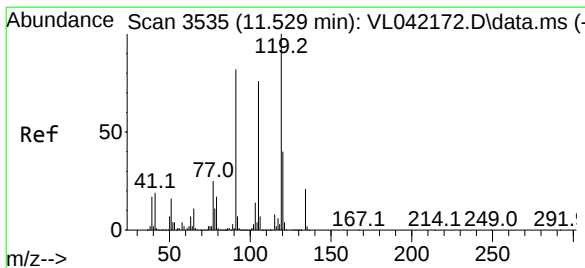


#64
n-propylbenzene
Concen: 13.753 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36



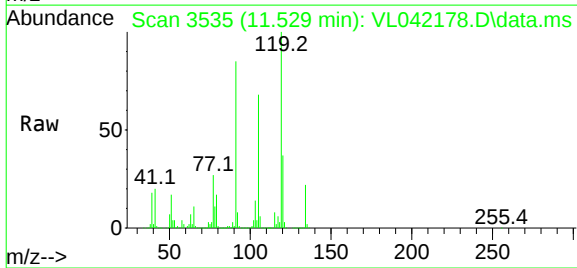
Tgt Ion:120 Resp: 356118
Ion Ratio Lower Upper
120 100
91 455.4 376.9 565.3





#65
tert-Butylbenzene
Concen: 12.901 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

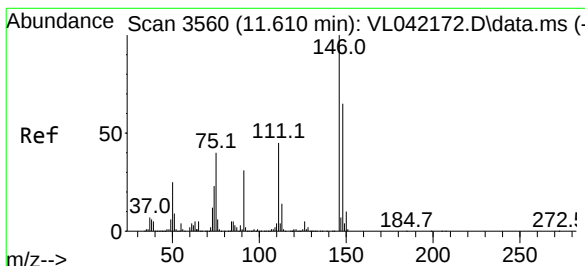
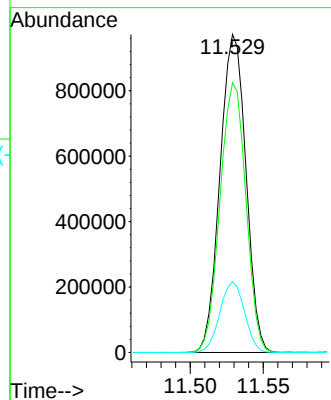
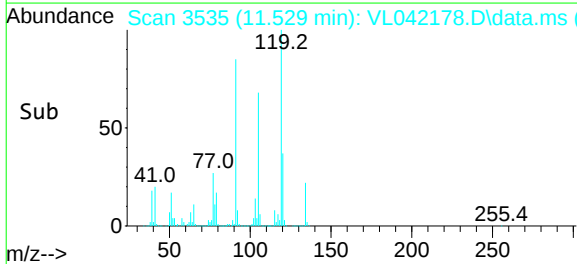
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 119 Resp: 1200149
Ion Ratio Lower Upper
119 100
91 84.6 66.0 99.0
134 21.2 16.7 25.1

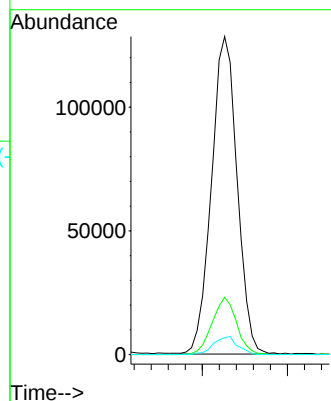
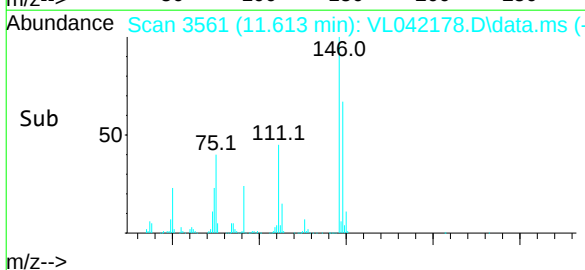
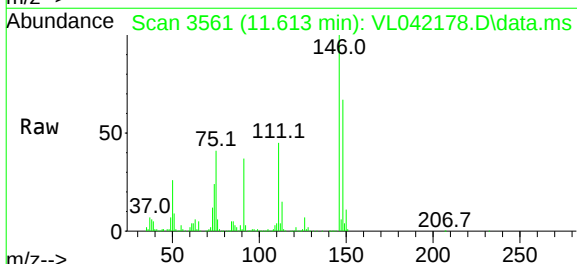
Manual Integrations
APPROVED

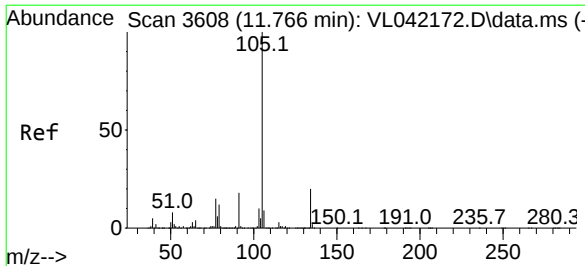
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#66
Benzyl Chloride
Concen: 13.615 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 134397
Ion Ratio Lower Upper
91 100
126 17.3 13.8 20.6
128 5.4 4.5 6.7





#67

sec-Butylbenzene

Concen: 12.711 ppbv

RT: 11.765 min Scan# 3608

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 1643629

Ion Ratio Lower Upper

105 100

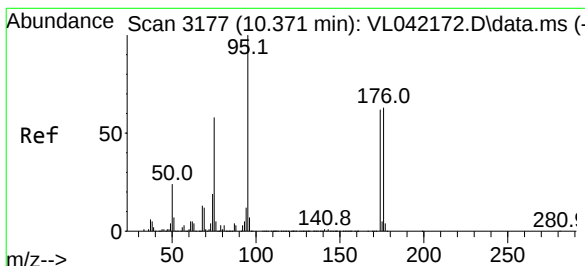
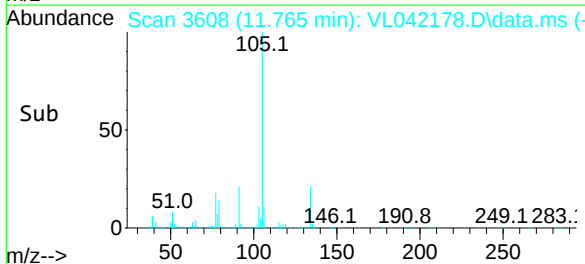
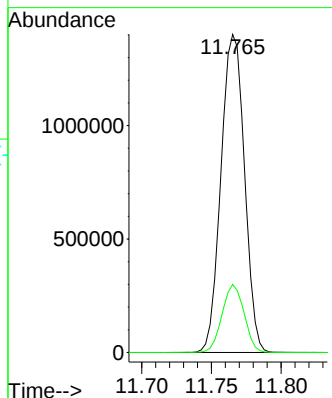
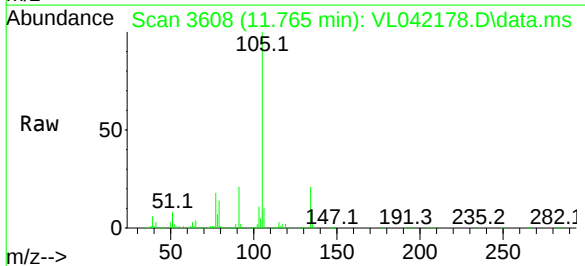
134 20.0 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.981 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

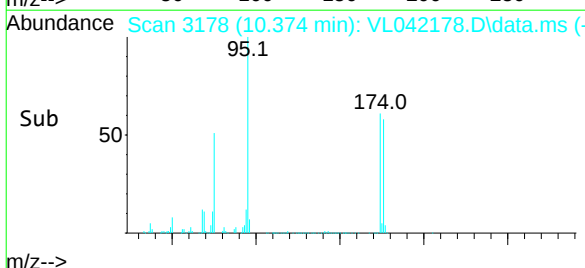
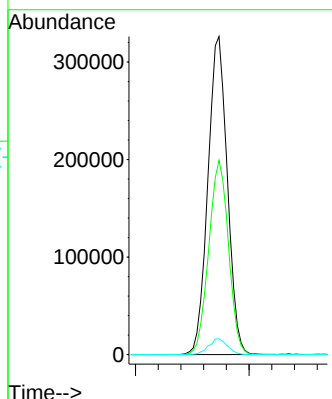
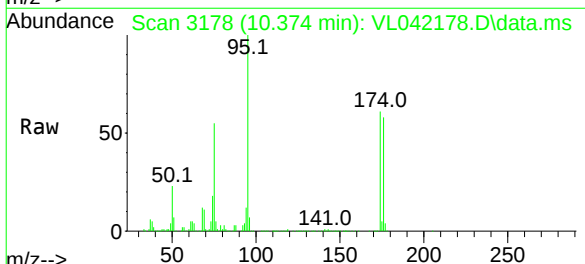
Tgt Ion: 95 Resp: 387777

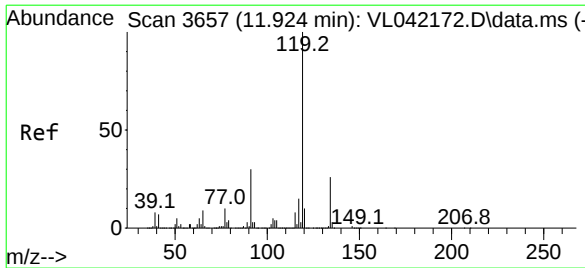
Ion Ratio Lower Upper

95 100

174 62.1 50.6 76.0

175 4.8 3.8 5.6





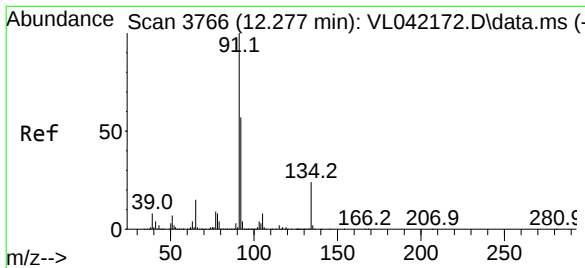
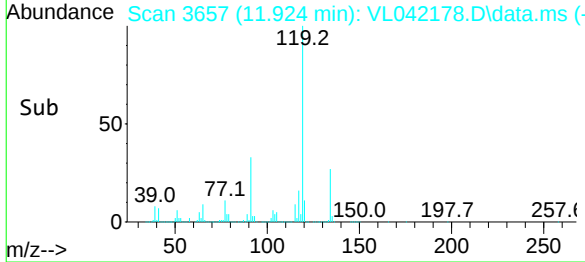
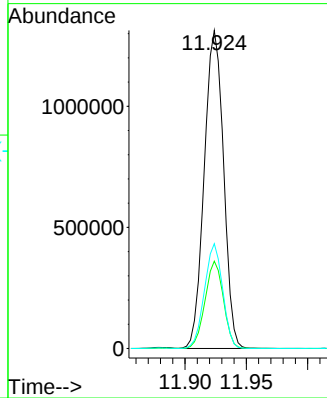
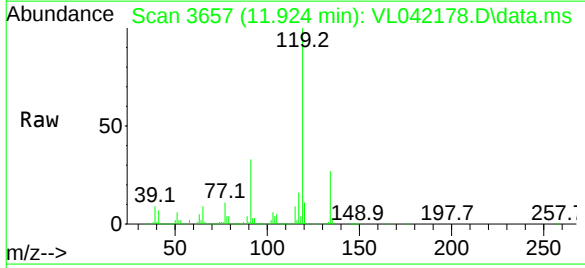
#69
p-Isopropyltoluene
Concen: 12.906 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument : MSVOA_L
ClientSampleId : VSTDIC015

Tgt Ion:	119	Resp:	1437016
Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.4	30.6
91	31.2	23.7	35.5

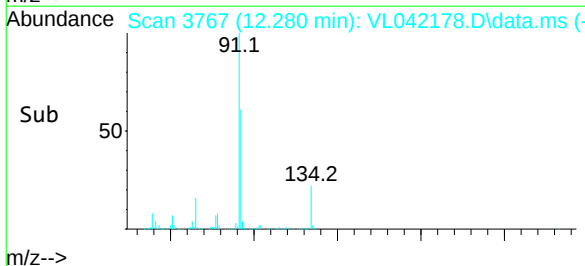
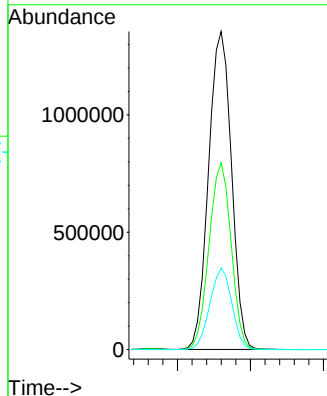
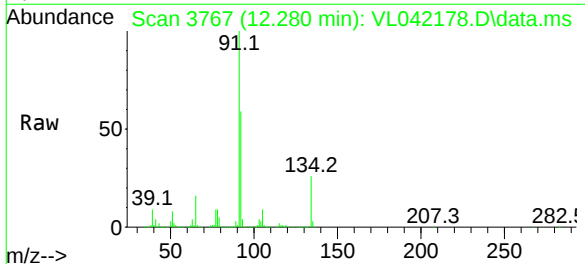
Manual Integrations
APPROVED

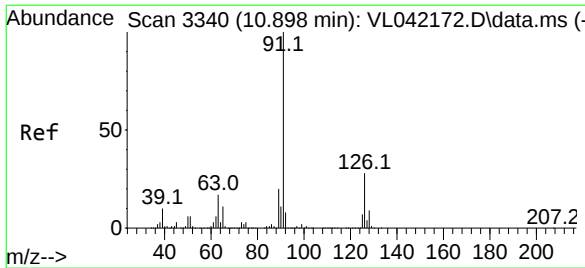
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#70
n-Butylbenzene
Concen: 12.975 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:	91	Resp:	1477443
Ion	Ratio	Lower	Upper
91	100		
92	57.0	44.9	67.3
134	24.6	19.2	28.8





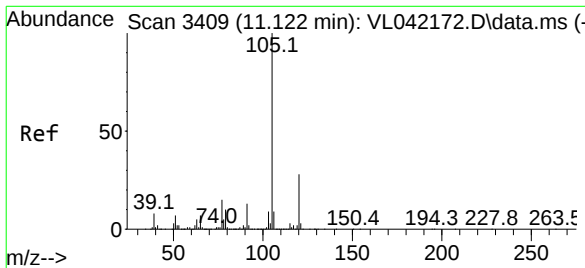
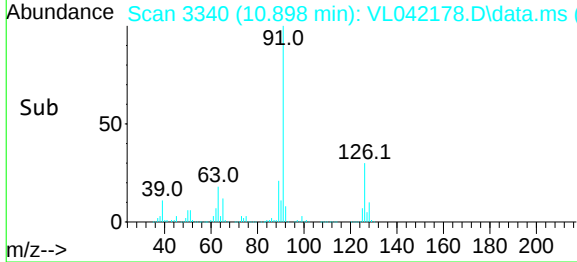
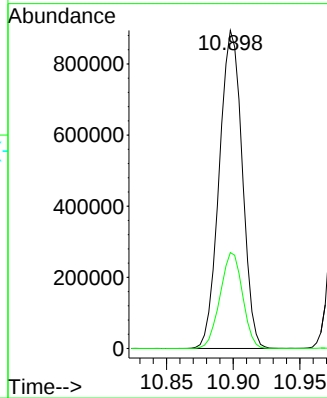
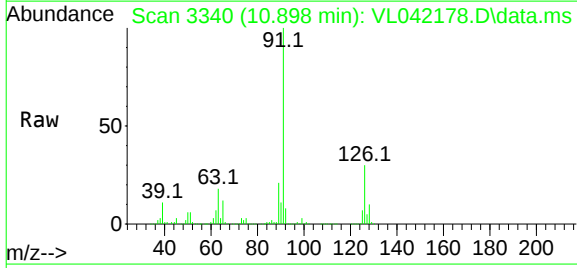
#71
2-Chlorotoluene
Concen: 13.724 ppbv
RT: 10.898 min Scan# 3340
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 1071432
Ion Ratio Lower Upper
91 100
126 29.5 11.6 46.4

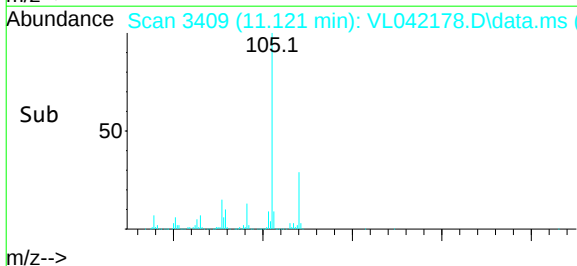
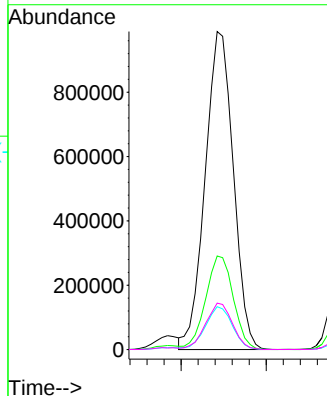
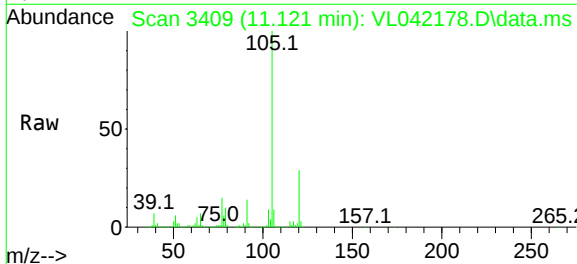
Manual Integrations
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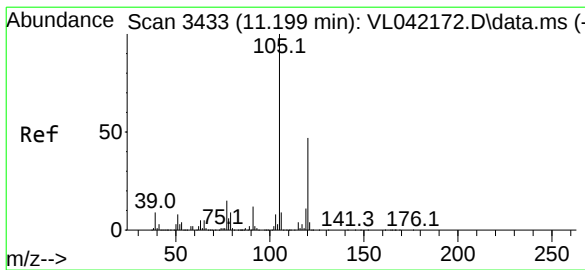
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#72
4-Ethyltoluene
Concen: 13.569 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:105 Resp: 1136415
Ion Ratio Lower Upper
105 100
120 30.1 23.4 35.0
91 13.5 10.3 15.5
77 14.6 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 13.395 ppbv

RT: 11.202 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 979783

Ion Ratio Lower Upper

105 100

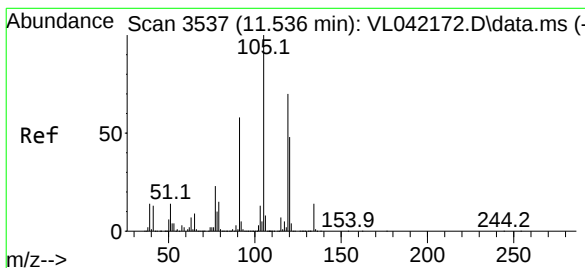
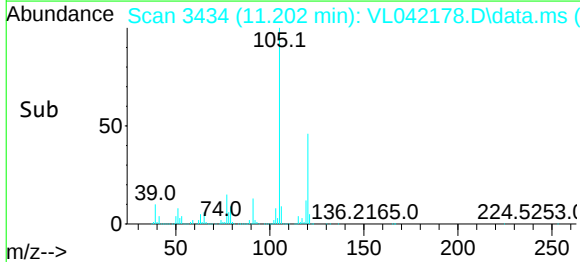
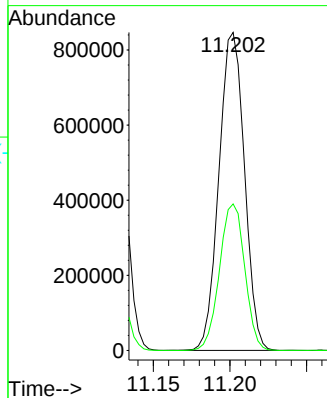
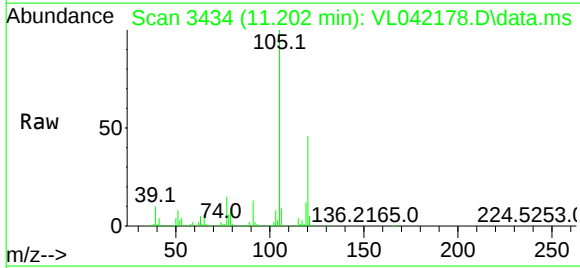
120 46.1 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 12.447 ppbv

RT: 11.535 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Tgt Ion:105 Resp: 1048874

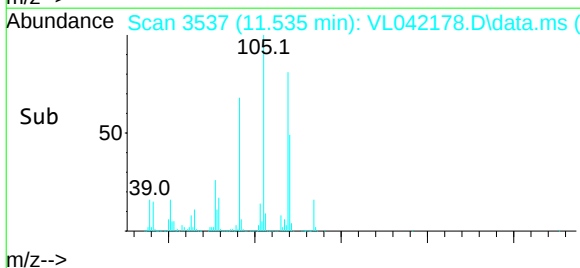
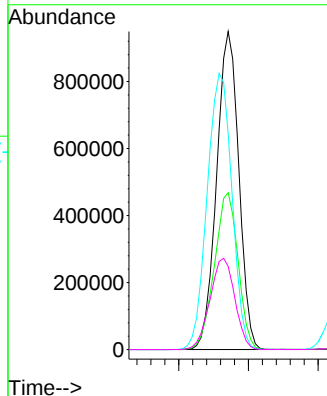
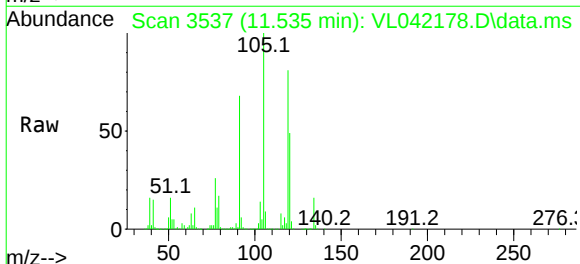
Ion Ratio Lower Upper

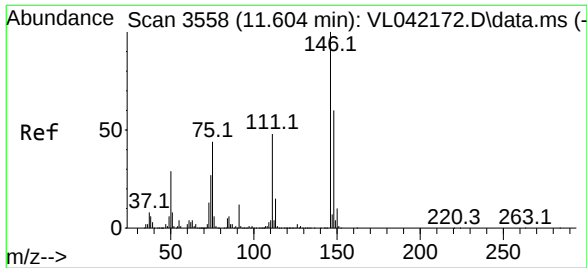
105 100

120 49.3 38.6 58.0

91 67.8 46.2 69.2

77 26.2 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 13.545 ppbv

RT: 11.607 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

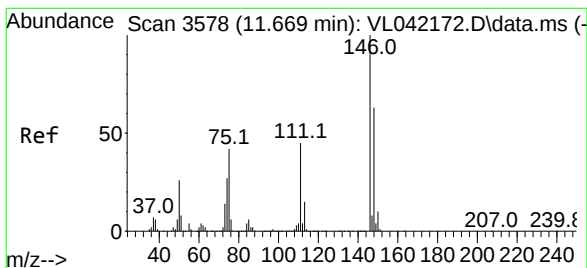
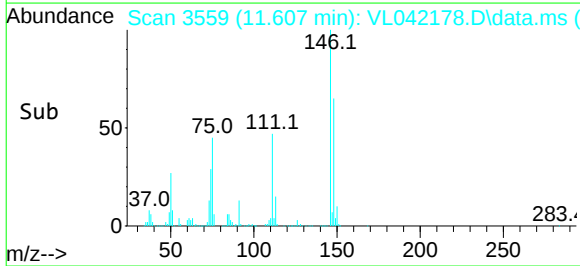
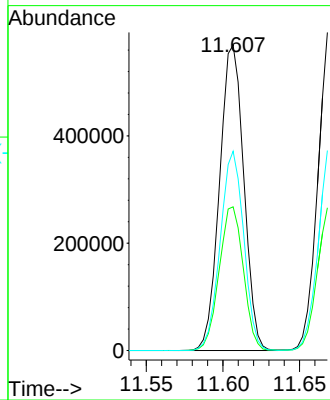
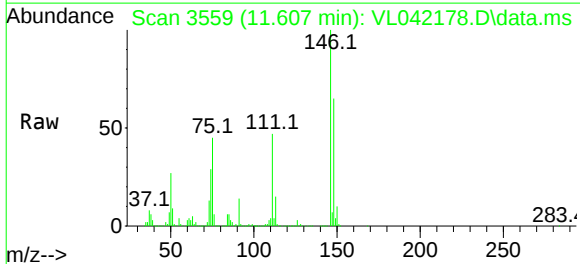
VSTDICC015

Tgt Ion:	146	Resp:	626015
Ion Ratio	Lower	Upper	
146	100		
111	47.0	23.8	71.2
148	63.5	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#76

1,4-Dichlorobenzene

Concen: 13.668 ppbv

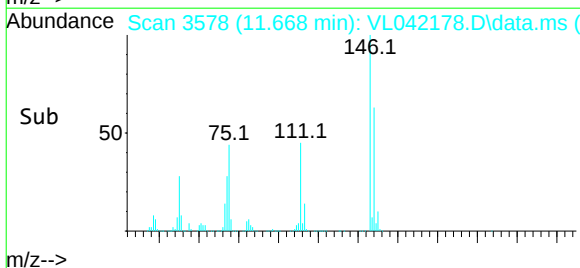
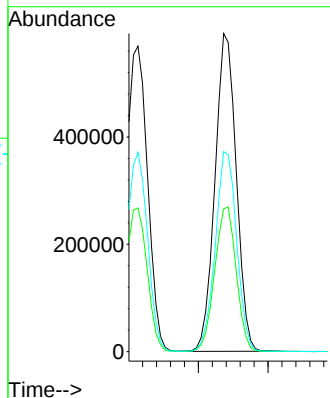
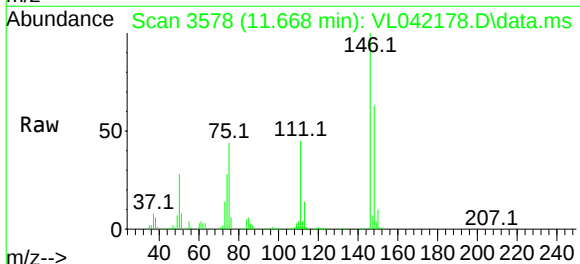
RT: 11.668 min Scan# 3578

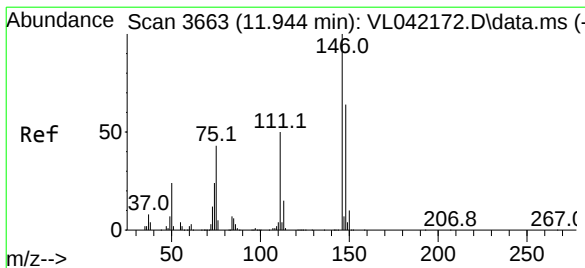
Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Tgt Ion:	146	Resp:	628694
Ion Ratio	Lower	Upper	
146	100		
111	46.1	23.0	69.0
148	63.6	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 13.396 ppbv

RT: 11.947 min Scan# 3663

Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

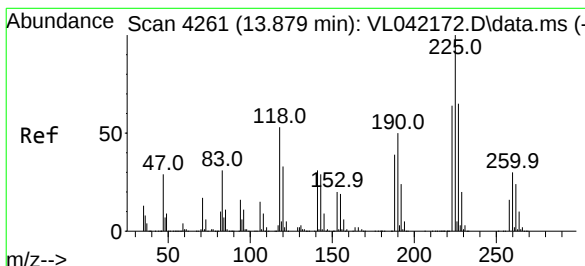
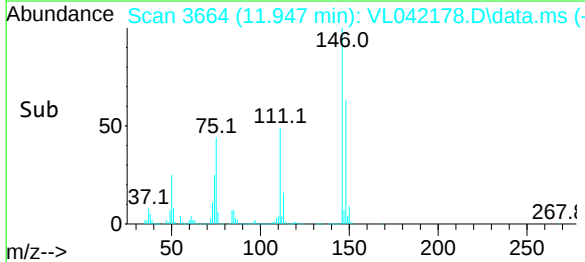
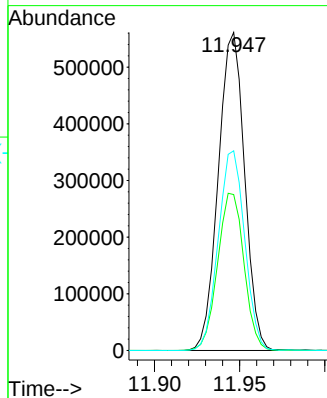
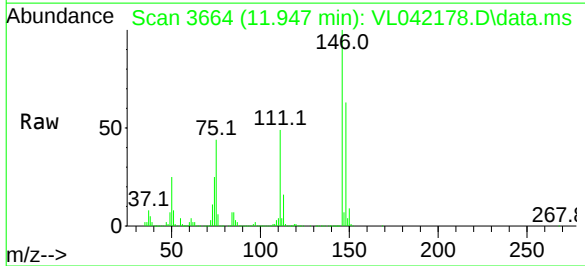
VSTDIC015

Tgt Ion:	146	Resp:	602844
Ion Ratio	Lower	Upper	
146	100		
111	49.7	24.8	74.3
148	63.3	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 12.147 ppbv

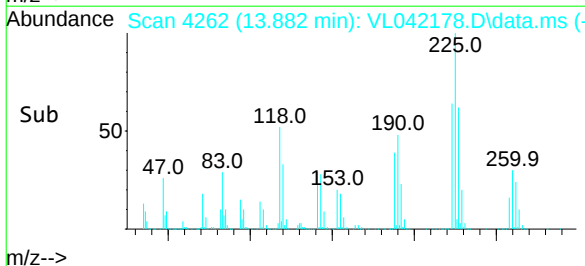
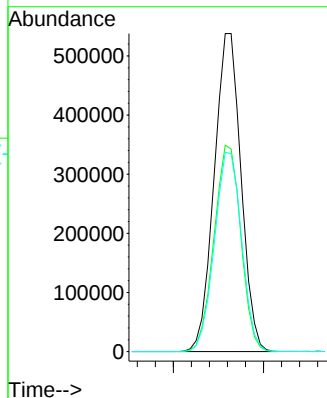
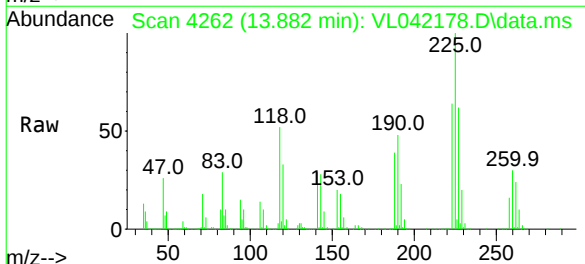
RT: 13.882 min Scan# 4262

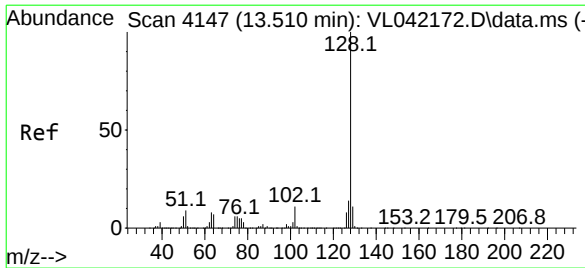
Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Tgt Ion:	225	Resp:	556392
Ion Ratio	Lower	Upper	
225	100		
223	64.7	50.6	76.0
227	63.3	51.2	76.8





#79

Naphthalene

Concen: 13.653 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

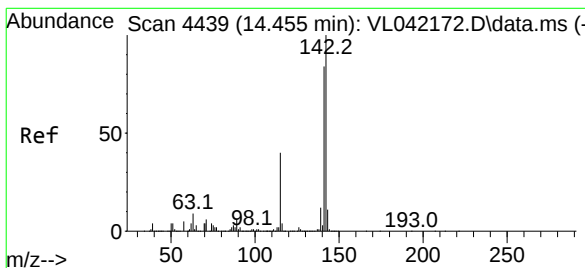
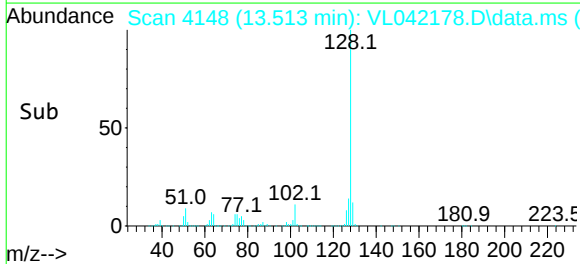
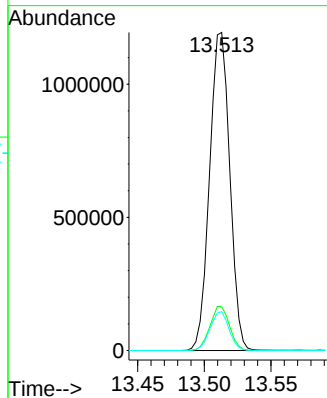
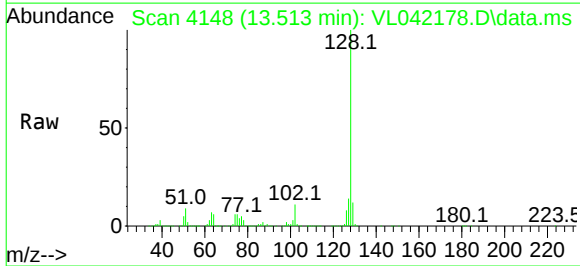
VSTDIC015

Tgt Ion:	128	Resp:	1258479
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	12.2	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#80

Naphthalene, 2-methyl-

Concen: 16.018 ppbv

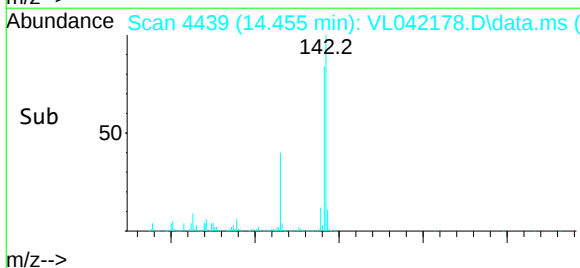
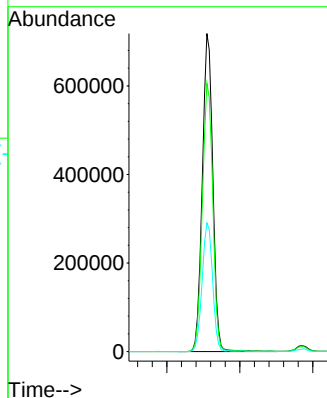
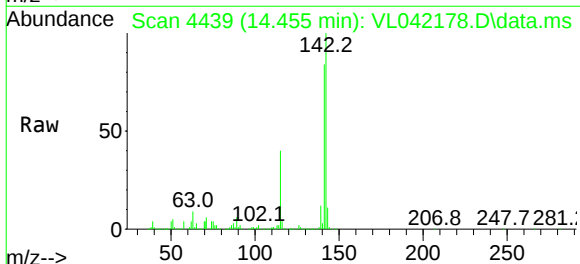
RT: 14.455 min Scan# 4439

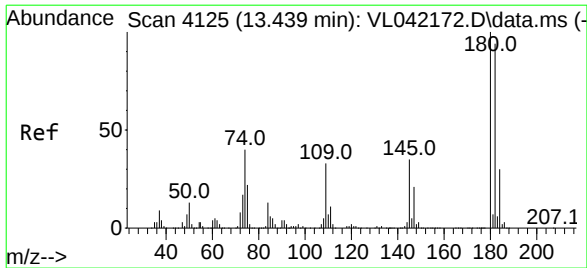
Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

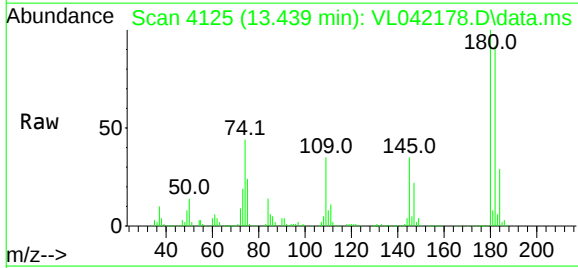
Tgt Ion:	142	Resp:	718900
Ion	Ratio	Lower	Upper
142	100		
141	84.3	66.3	99.5
115	40.6	31.6	47.4





#81
1,2,4-Trichlorobenzene
Concen: 14.075 ppbv
RT: 13.439 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:180 Resp: 598416
Ion Ratio Lower Upper
180 100
182 94.7 75.1 112.7
184 30.1 24.4 36.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

