

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042174.D
 Acq On : 27 Mar 2025 09:30
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Quant Time: Mar 28 01:33:49 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

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	186244	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	537244	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	499830	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	404753	9.861	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	28203	1.026	ppbv	99
3) Chlorodifluoromethane	1.473	51	28693	1.021	ppbv	94
4) Chloromethane	1.531	50	11111	0.989	ppbv	99
5) Vinyl Chloride	1.577	62	10723	0.936	ppbv	98
6) Bromomethane	1.667	94	4984	0.979	ppbv	97
7) Chloroethane	1.703	64	4622	1.025	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	23886	1.020	ppbv	98
9) Propene	1.483	41	13699m	1.082	ppbv	
10) Heptane	4.975	43	36132	1.055	ppbv	100
11) Trichlorofluoromethane	1.875	101	27136	1.014	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	22629	1.029	ppbv	99
13) Ethanol	1.719	45	1610m	1.624	ppbv	
14) Bromoethene	1.781	108	8330	0.989	ppbv #	82
15) Acetone	1.836	43	29294	1.125	ppbv	95
16) 1,3-Butadiene	1.606	39	13133	1.121	ppbv	97
17) tert-Butyl alcohol	2.040	59	33500	1.033	ppbv	97
18) 1,1-Dichloroethene	2.033	96	10532	1.024	ppbv	89
19) Isopropyl Alcohol	1.884	45	14903	1.014	ppbv #	38
20) Methylene Chloride	2.059	84	10481	1.080	ppbv	93
21) Allyl Chloride	2.095	41	19039	1.036	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	13051m	1.086	ppbv	
23) Vinyl Acetate	2.464	43	12883m	1.190	ppbv	
24) 1,1-Dichloroethane	2.409	63	22505	1.022	ppbv	99
25) Ethyl Acetate	2.836	43	67402	0.997	ppbv #	96
26) Hexane	2.823	57	27223	1.043	ppbv	98
27) Carbon Disulfide	2.146	76	28167	1.006	ppbv #	47
28) Methyl tert-Butyl Ether	2.441	73	16501	1.015	ppbv	95
29) Chloroform	2.845	83	38516	1.008	ppbv	96
30) Cyclohexane	3.852	84	23052	1.016	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	27187	1.026	ppbv	89
32) 1,1,1-Trichloroethane	3.363	97	40993	0.938	ppbv	99
34) 2-Butanone	2.557	43	41423	1.063	ppbv	98
35) Carbon Tetrachloride	3.758	117	39345	0.952	ppbv	93
36) Benzene	3.651	78	55156	1.036	ppbv	94
37) 1,2-Dichloroethane	3.218	62	30543	1.002	ppbv	98
38) Trichloroethene	4.545	130	21906	0.985	ppbv	93
39) 1,2-Dichloropropane	4.312	63	20020	1.032	ppbv	99
40) 1,4-Dioxane	4.593	88	10592m	1.052	ppbv	
41) Tetrahydrofuran	3.056	42	22818	1.029	ppbv	97
42) Bromodichloromethane	4.483	83	41864	0.996	ppbv	90
43) Methyl Methacrylate	4.875	69	24233m	1.078	ppbv	
44) 2,2,4-Trimethylpentane	4.632	57	90727	1.008	ppbv	96
45) t-1,3-Dichloropropene	6.403	75	23993m	0.992	ppbv	

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 ClientSampleId :
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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 01:33:49 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	30063	1.014	ppbv	93
47) 1,1,2-Trichloroethane	6.577	97	20546	1.002	ppbv	96
48) Dibromochloromethane	7.383	129	34425	0.991	ppbv	100
49) Bromoform	9.481	173	31610	1.013	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	65226m	1.056	ppbv	
51) 2-Hexanone	7.438	43	54680	1.067	ppbv #	100
52) Tetrachloroethene	8.222	164	19415	0.919	ppbv	95
53) Toluene	6.927	91	64612	1.023	ppbv	99
54) 1,2-Dibromoethane	7.652	107	28879	1.009	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.924	131	28764	1.045	ppbv #	87
57) Chlorobenzene	8.917	112	48930	1.032	ppbv	93
58) Ethyl Benzene	9.348	91	91086	1.026	ppbv	97
59) m/p-Xylene	9.529	91	147162m	2.073	ppbv	
60) o-Xylene	9.960	91	73702	1.037	ppbv	96
61) Styrene	9.866	104	36110	1.027	ppbv	97
62) Isopropylbenzene	10.536	105	109897	1.034	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.960	83	44431	1.029	ppbv	99
64) n-propylbenzene	10.986	120	29054	1.062	ppbv	98
65) tert-Butylbenzene	11.526	119	103520	1.053	ppbv	96
66) Benzyl Chloride	11.614	91	10660	1.022	ppbv #	93
67) sec-Butylbenzene	11.762	105	149660	1.095	ppbv	97
69) p-Isopropyltoluene	11.921	119	127509	1.084	ppbv	99
70) n-Butylbenzene	12.280	91	129860	1.079	ppbv	99
71) 2-Chlorotoluene	10.898	91	86356	1.047	ppbv	100
72) 4-Ethyltoluene	11.122	105	92912	1.050	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	83497	1.080	ppbv	92
74) 1,2,4-Trimethylbenzene	11.533	105	97858	1.099	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	51096	1.046	ppbv	99
76) 1,4-Dichlorobenzene	11.669	146	50841	1.046	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	51523	1.084	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	55611	1.149	ppbv	97
79) Naphthalene	13.510	128	109031	1.120	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	44518	0.939	ppbv	99
81) 1,2,4-Trichlorobenzene	13.436	180	47040	1.047	ppbv	98

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

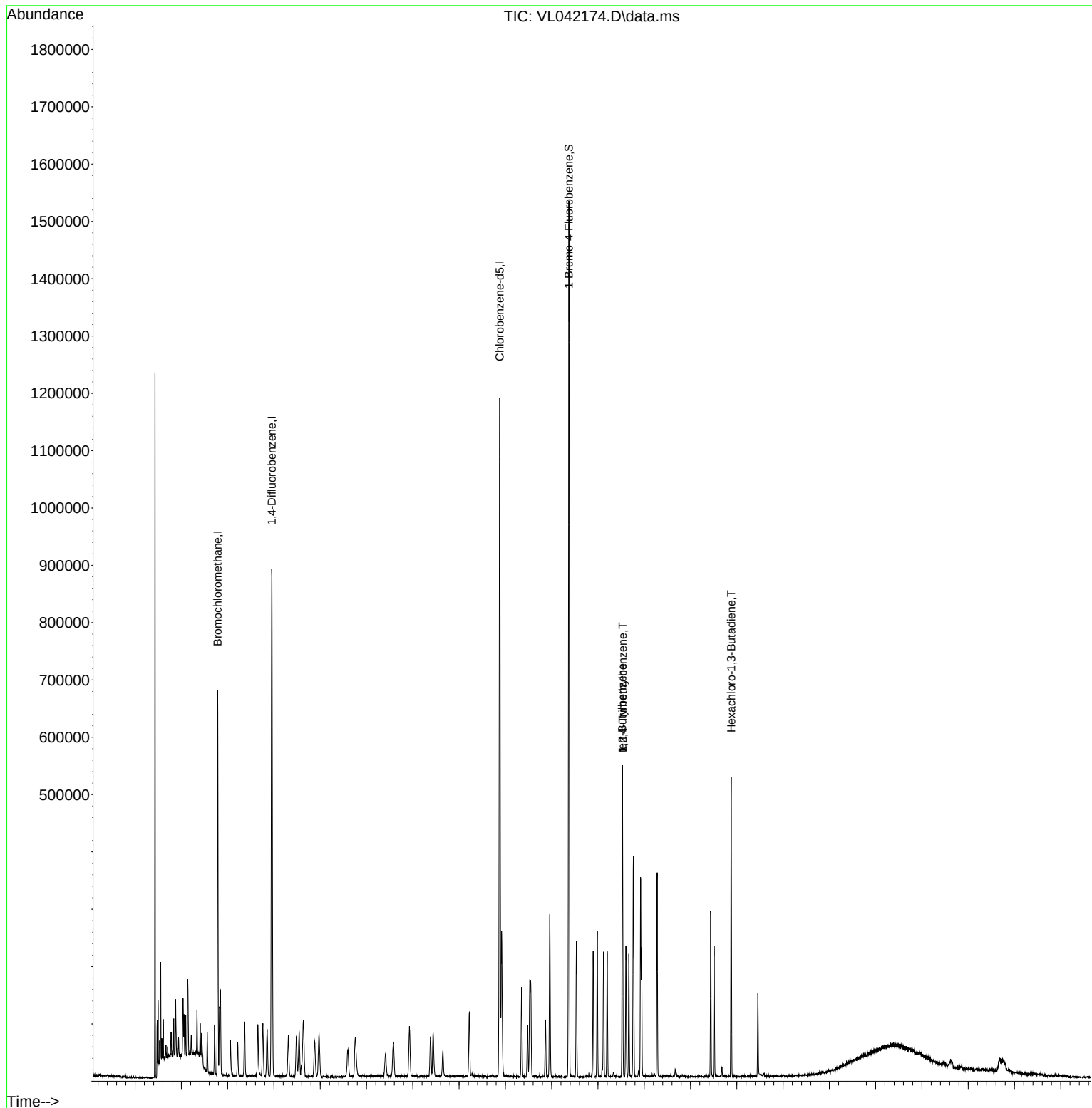
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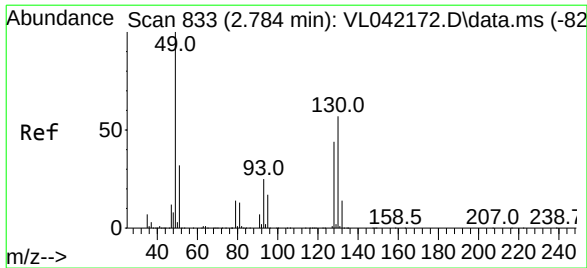
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

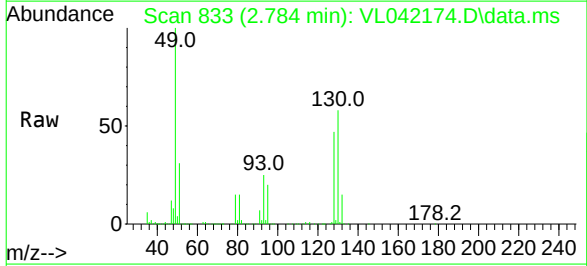
Quant Time: Mar 28 01:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

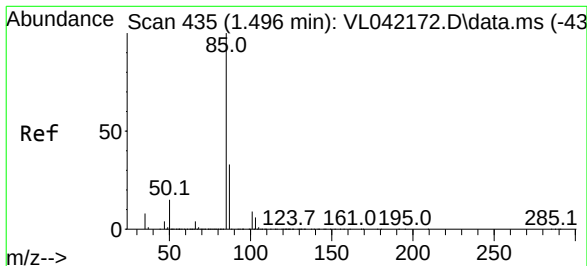
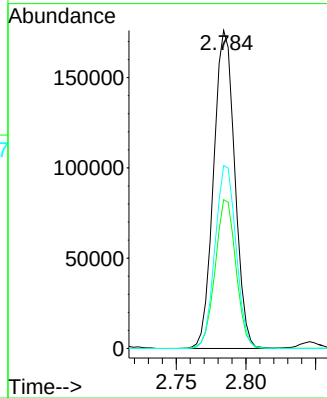
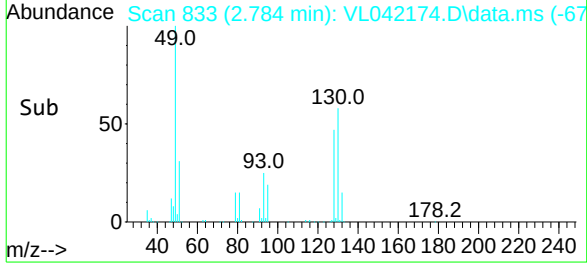
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



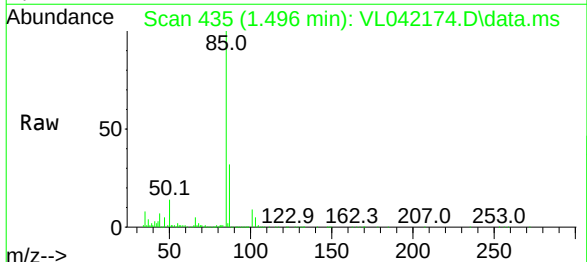
Tgt Ion: 49 Resp: 186244
Ion Ratio Lower Upper
49 100
128 46.2 22.9 68.5
130 57.0 28.8 86.4

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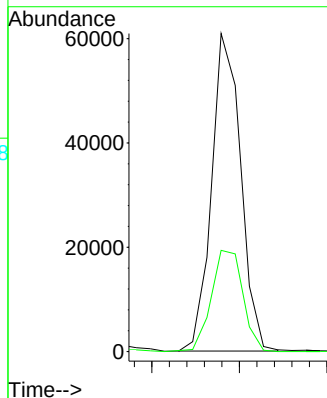
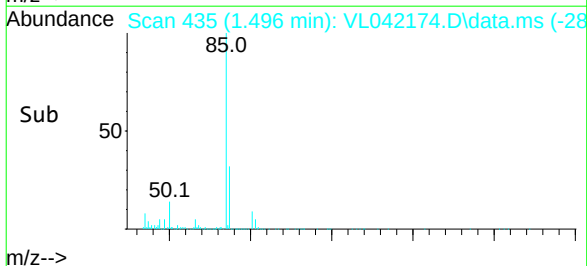
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

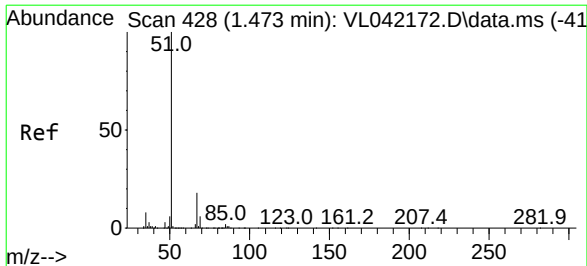


#2
Dichlorodifluoromethane
Concen: 1.026 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30



Tgt Ion: 85 Resp: 28203
Ion Ratio Lower Upper
85 100
87 31.9 26.1 39.1





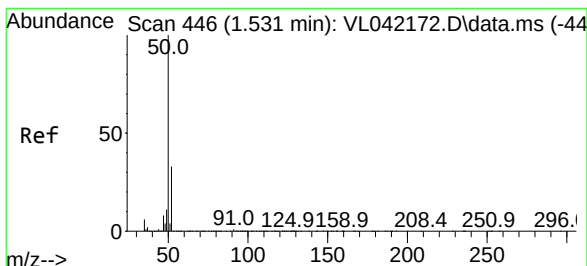
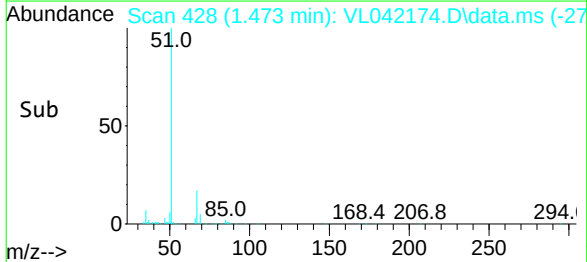
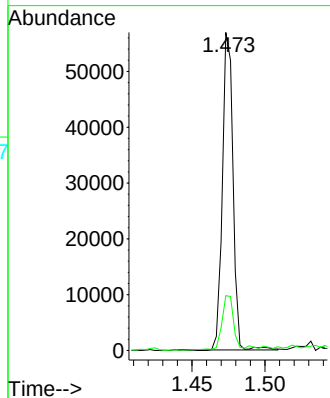
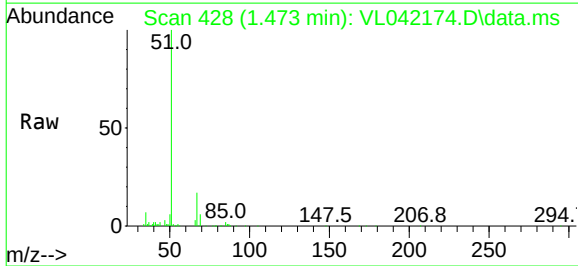
#3
Chlorodifluoromethane
Concen: 1.021 ppbv
RT: 1.473 min Scan# 428
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 51 Resp: 28693
Ion Ratio Lower Upper
51 100
67 21.5 15.0 22.6

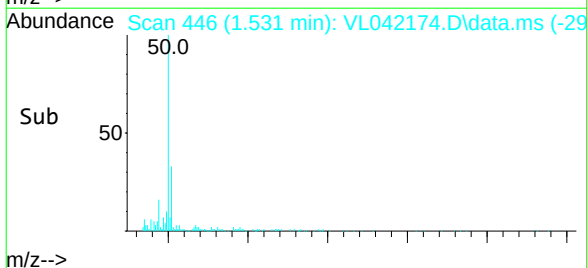
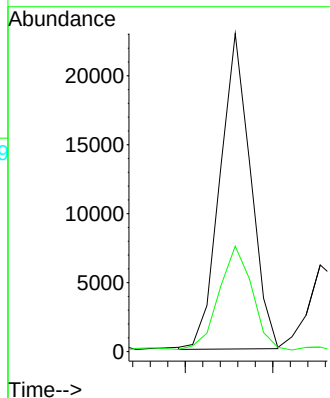
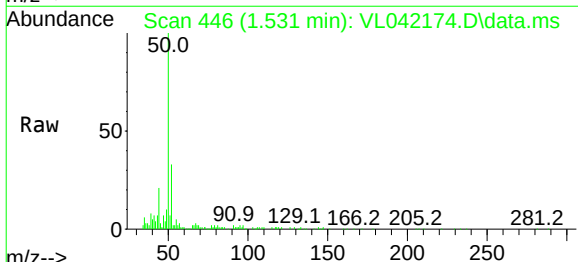
Manual Integrations
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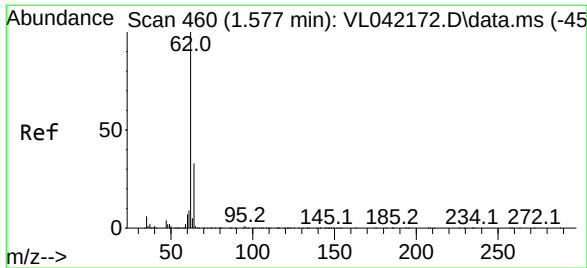
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#4
Chloromethane
Concen: 0.989 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 50 Resp: 11111
Ion Ratio Lower Upper
50 100
52 32.9 26.1 39.1





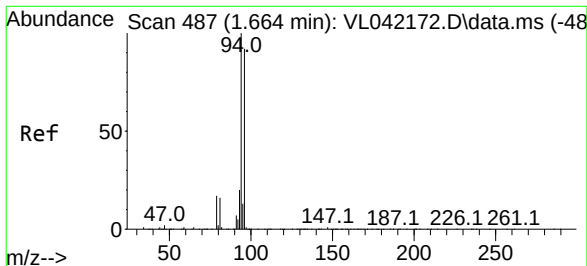
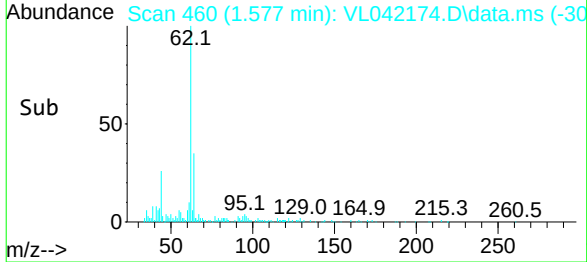
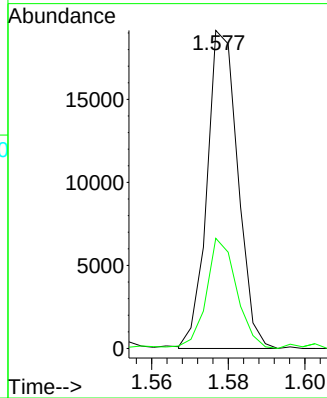
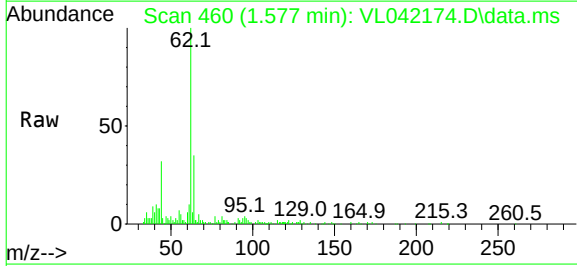
#5
 Vinyl Chloride
 Concen: 0.936 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion: 62 Resp: 10723
 Ion Ratio Lower Upper
 62 100
 64 34.6 26.6 40.0

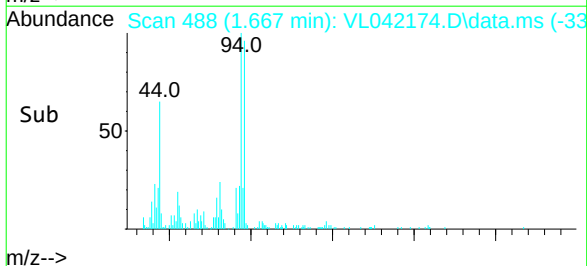
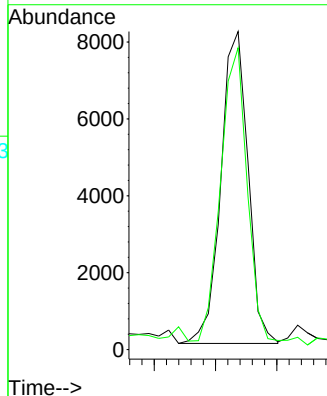
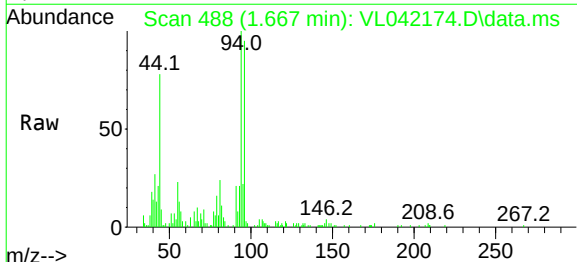
Manual Integrations
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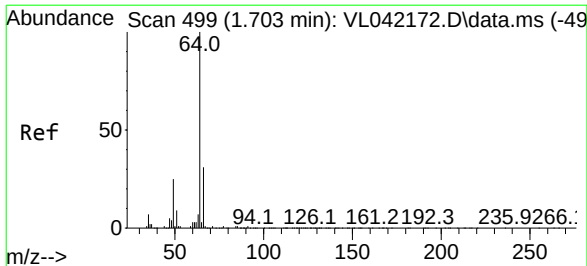
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#6
 Bromomethane
 Concen: 0.979 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Tgt Ion: 94 Resp: 4984
 Ion Ratio Lower Upper
 94 100
 96 93.8 73.1 109.7





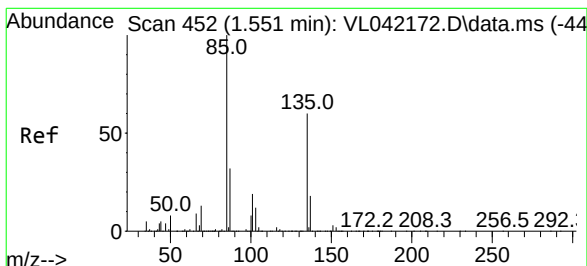
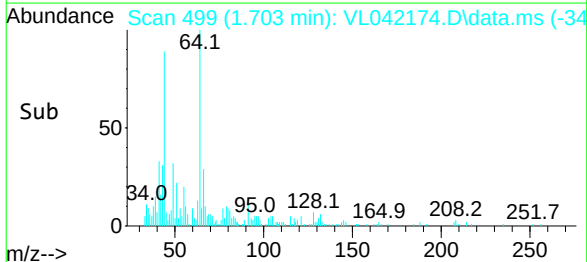
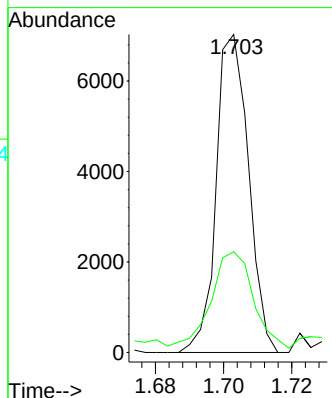
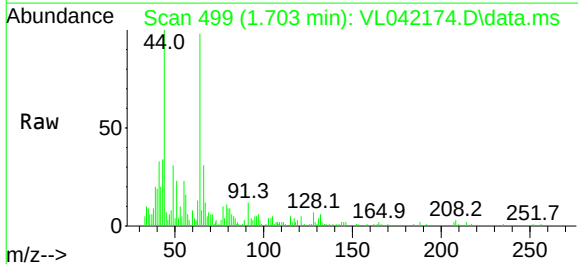
#7
Chloroethane
Concen: 1.025 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 4622
Ion Ratio Lower Upper
64 100
66 31.7 25.2 37.8

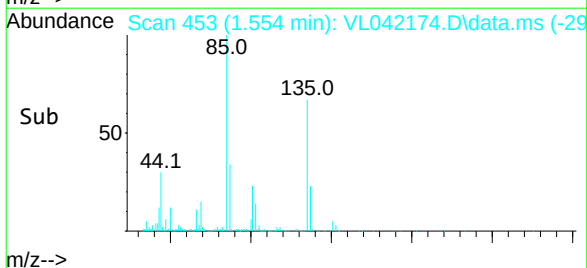
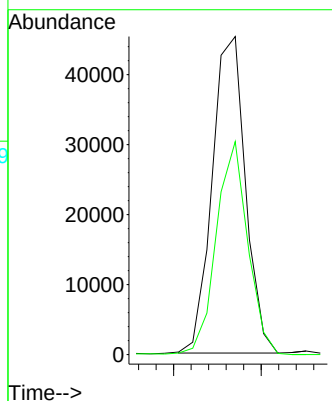
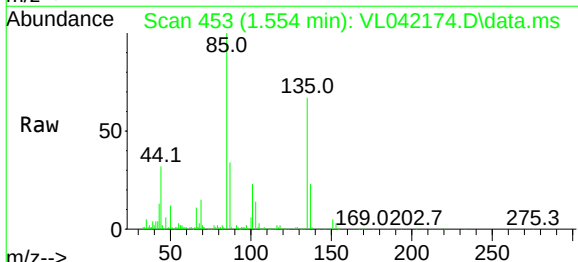
Manual Integrations
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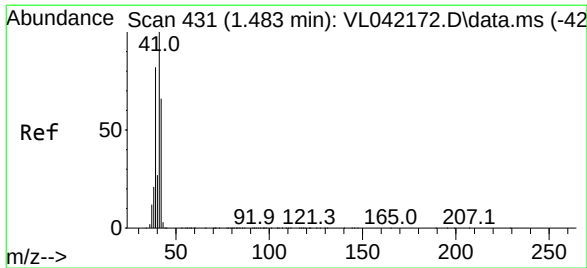
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#8
Dichlorotetrafluoroethane
Concen: 1.020 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 85 Resp: 23886
Ion Ratio Lower Upper
85 100
135 64.2 52.4 78.6





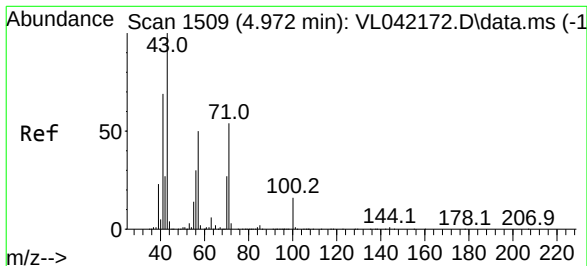
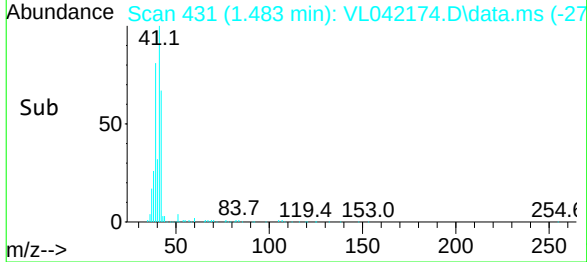
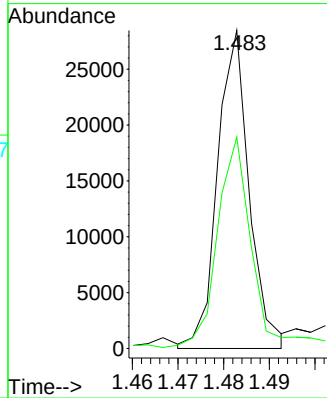
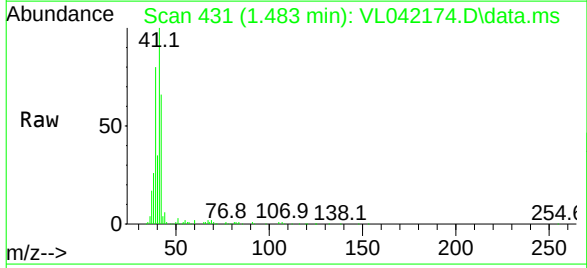
#9
Propene
Concen: 1.082 ppbv m
RT: 1.483 min Scan# 431
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 41 Resp: 13699
Ion Ratio Lower Upper
41 100
42 7.5 55.4 83.2#

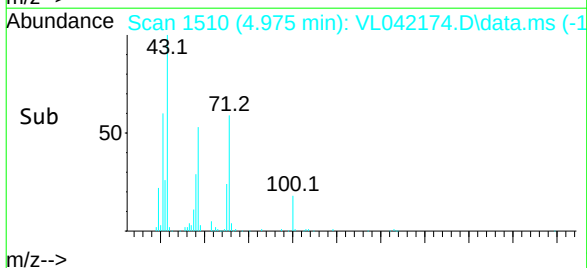
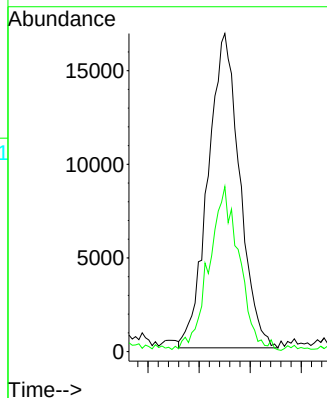
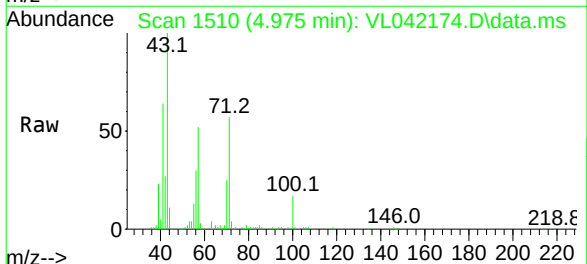
Manual Integrations
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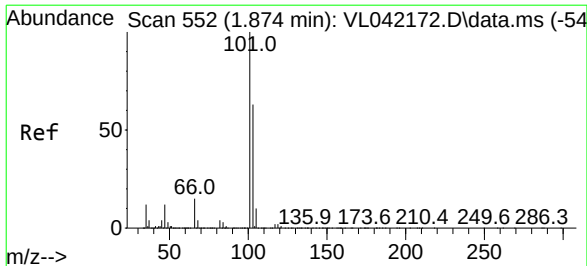
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#10
Heptane
Concen: 1.055 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 43 Resp: 36132
Ion Ratio Lower Upper
43 100
57 49.6 39.4 59.2





#11

Trichlorofluoromethane

Concen: 1.014 ppbv

RT: 1.875 min Scan# 552

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:101 Resp: 27136

Ion Ratio Lower Upper

101 100

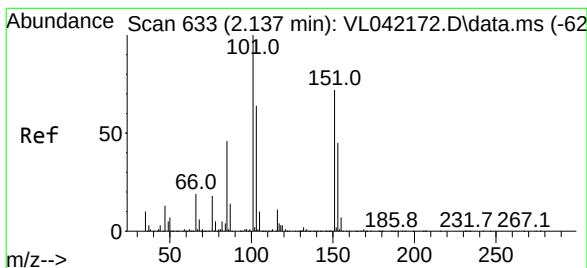
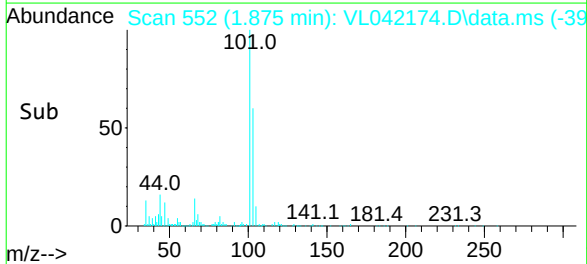
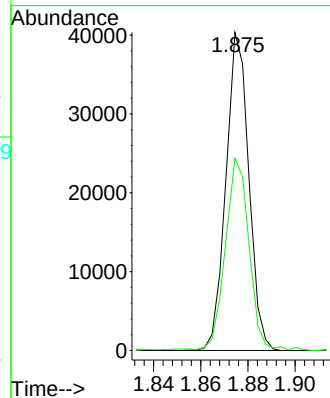
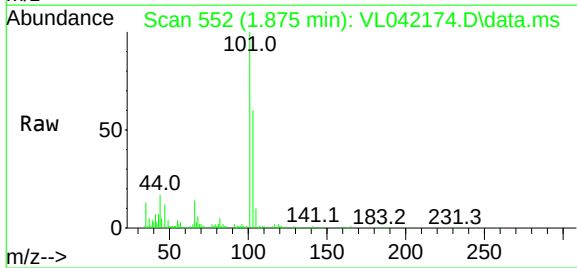
103 59.9 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.029 ppbv

RT: 2.137 min Scan# 633

Delta R.T. 0.000 min

Lab File: VL042174.D

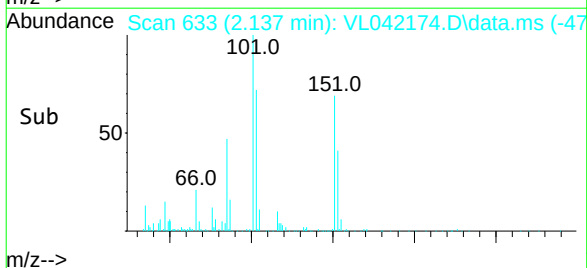
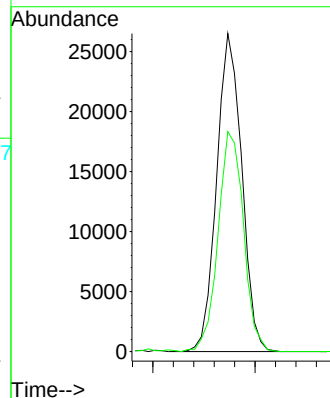
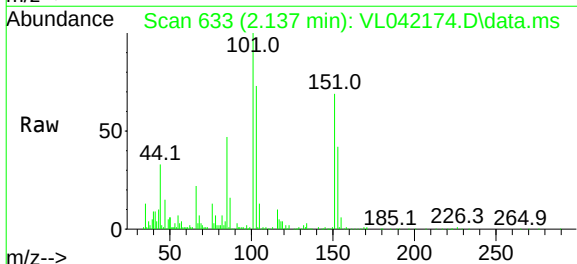
Acq: 27 Mar 2025 09:30

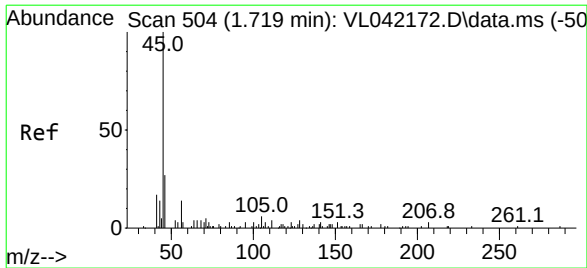
Tgt Ion:101 Resp: 22629

Ion Ratio Lower Upper

101 100

151 70.3 57.1 85.7





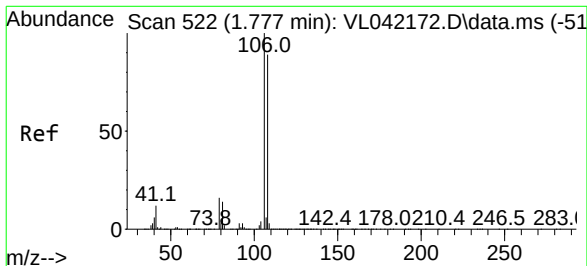
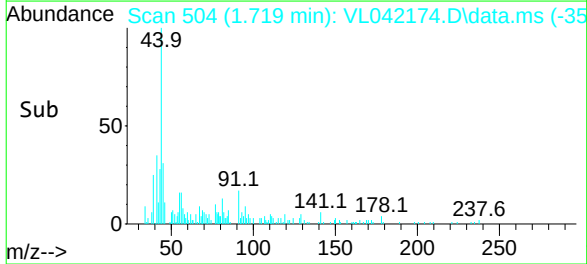
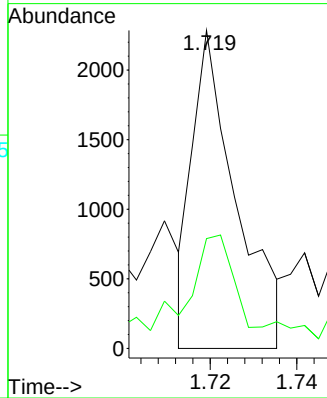
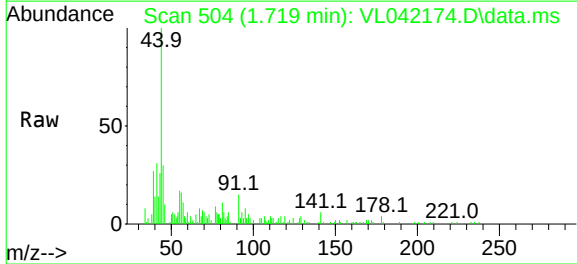
#13
Ethanol
Concen: 1.624 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 1610
Ion Ratio Lower Upper
45 100
46 73.4 20.2 80.8

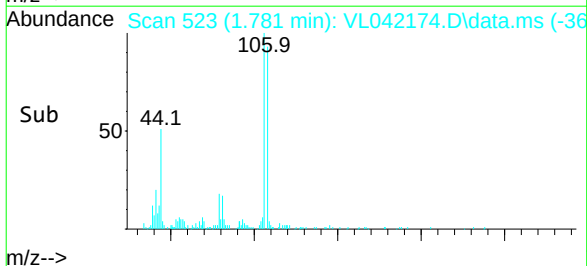
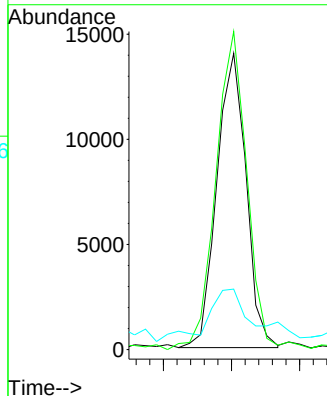
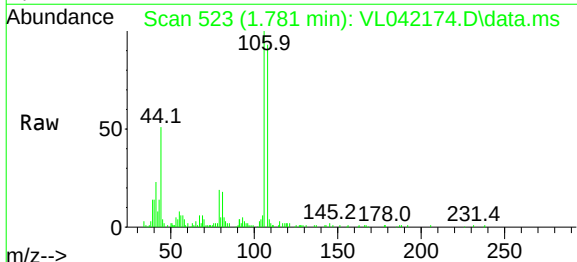
Manual Integrations
APPROVED

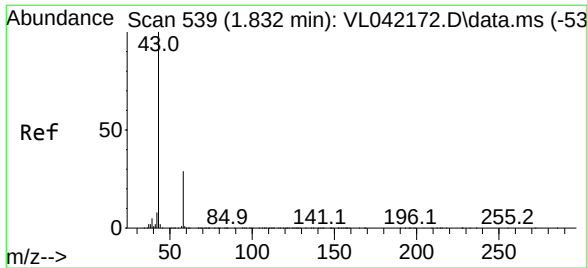
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Bromoethene
Concen: 0.989 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:108 Resp: 8330
Ion Ratio Lower Upper
108 100
106 115.2 86.8 130.2
79 57.0 15.0 22.6#





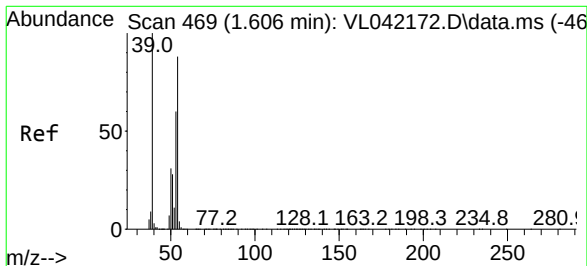
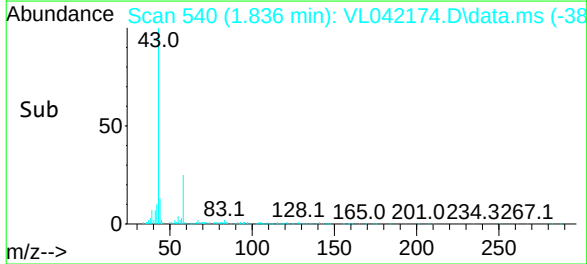
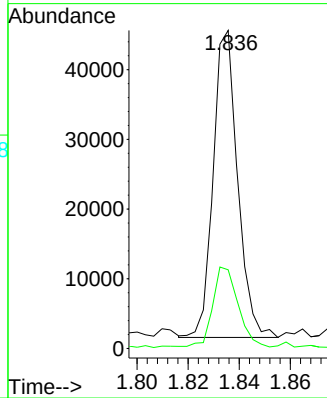
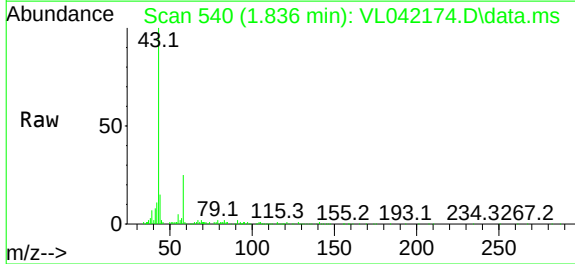
#15
Acetone
Concen: 1.125 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 29294
Ion Ratio Lower Upper
43 100
58 31.6 23.2 34.8

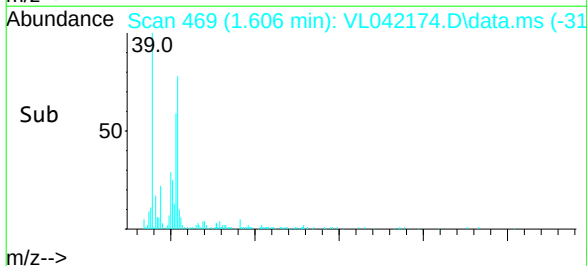
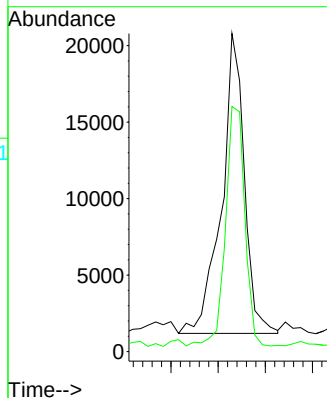
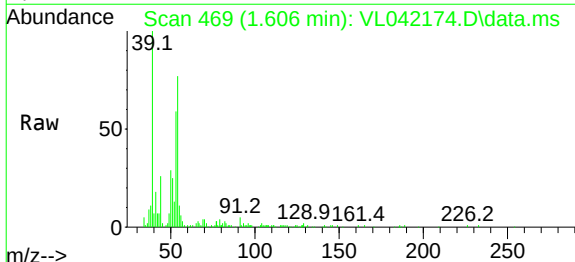
Manual Integrations
APPROVED

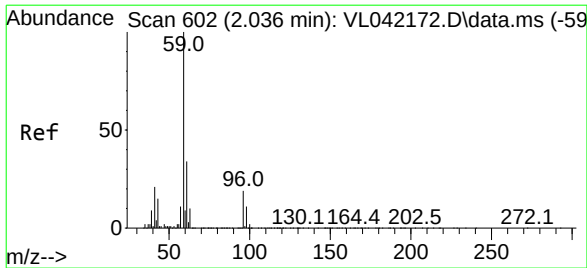
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
1,3-Butadiene
Concen: 1.121 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 39 Resp: 13133
Ion Ratio Lower Upper
39 100
54 73.5 60.7 91.1





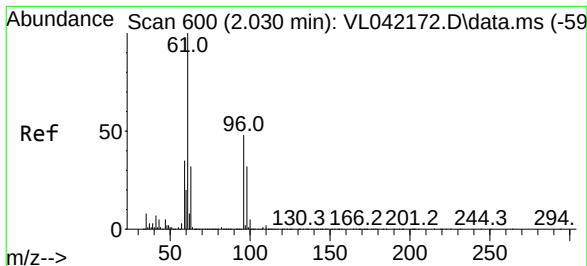
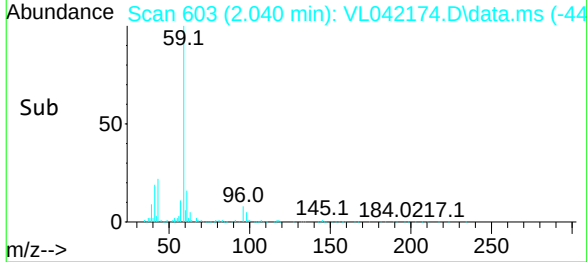
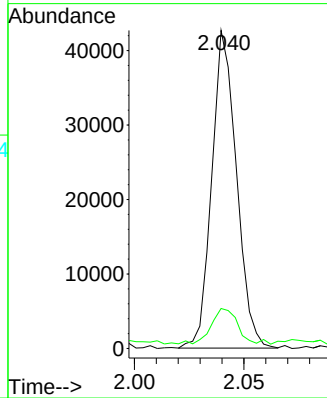
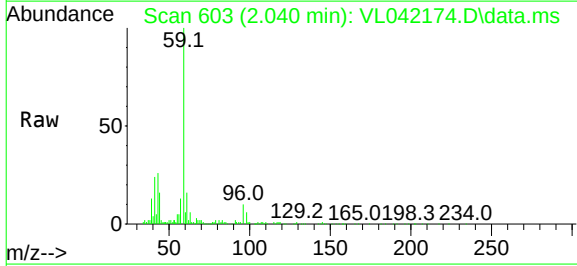
#17
tert-Butyl alcohol
Concen: 1.033 ppbv
RT: 2.040 min Scan# 600
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 59 Resp: 33500
Ion Ratio Lower Upper
59 100
57 12.3 8.9 13.3

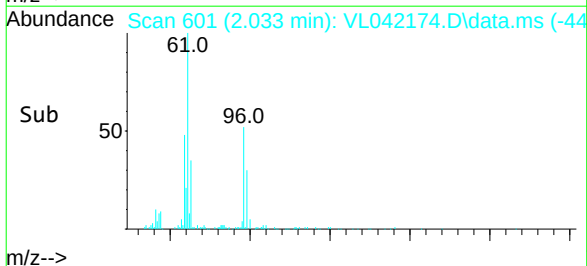
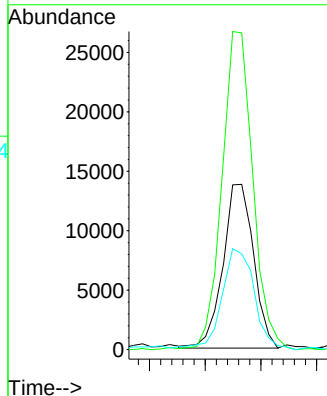
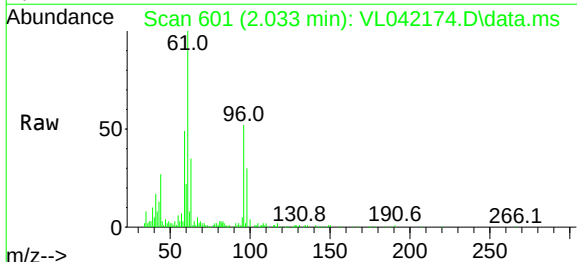
Manual Integrations
APPROVED

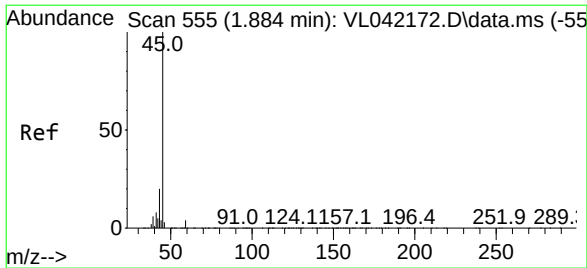
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#18
1,1-Dichloroethene
Concen: 1.024 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 96 Resp: 10532
Ion Ratio Lower Upper
96 100
61 192.9 167.6 251.4
98 56.7 53.5 80.3





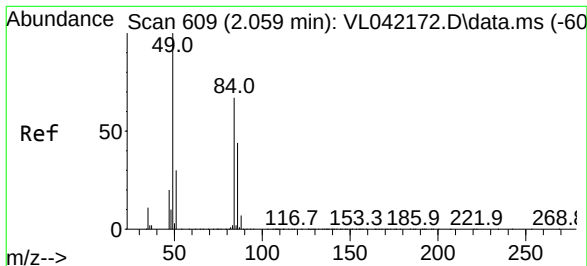
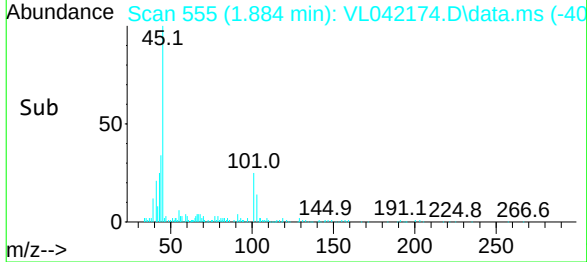
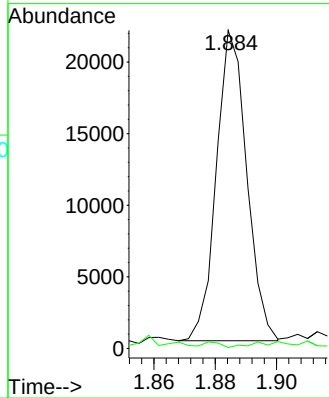
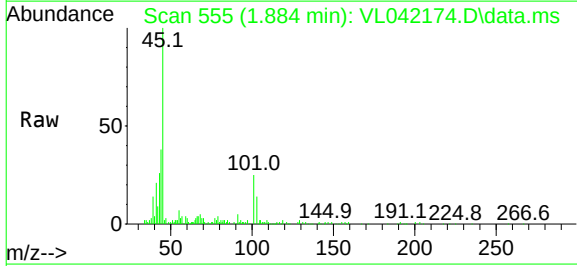
#19
Isopropyl Alcohol
Concen: 1.014 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 14903
Ion Ratio Lower Upper
45 100
58 4.9 36.9 55.3#

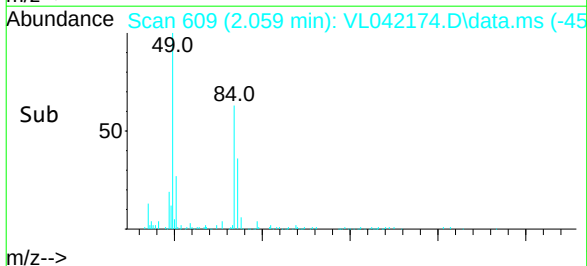
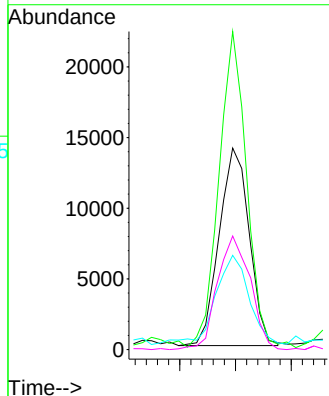
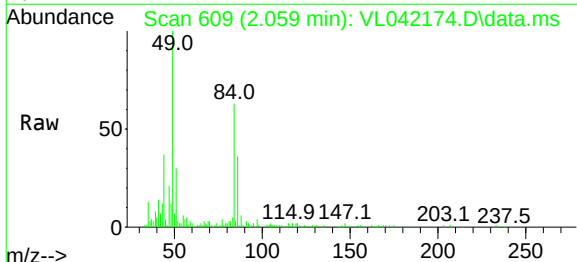
Manual Integrations
APPROVED

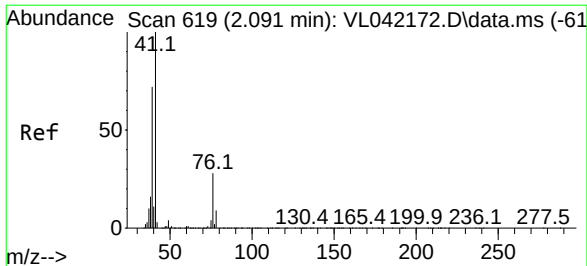
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 1.080 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 84 Resp: 10481
Ion Ratio Lower Upper
84 100
49 158.3 120.2 180.4
51 44.3 37.4 56.0
86 57.1 52.4 78.6





#21

Allyl Chloride

Concen: 1.036 ppbv

RT: 2.095 min Scan# 621

Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

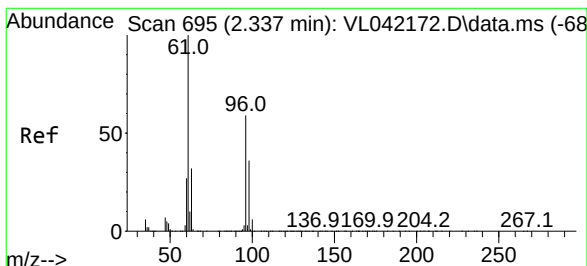
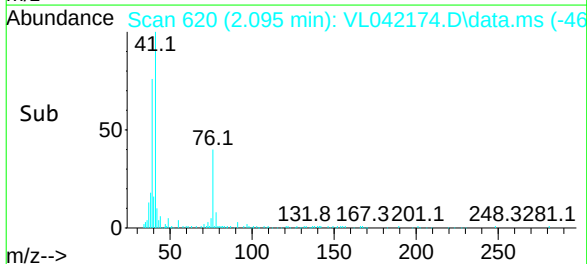
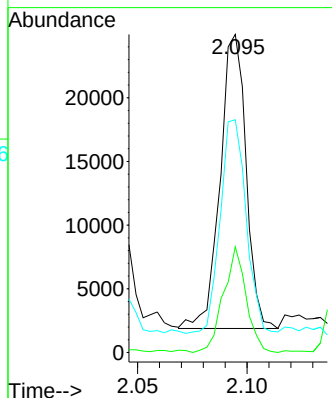
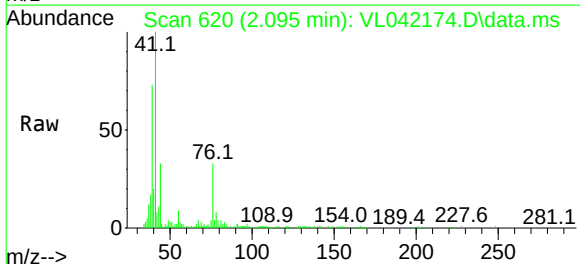
VSTDICC001

Tgt Ion:	41	Resp:	19039
Ion	Ratio	Lower	Upper
41	100		
76	30.5	24.1	36.1
39	77.8	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: 1.086 ppbv m

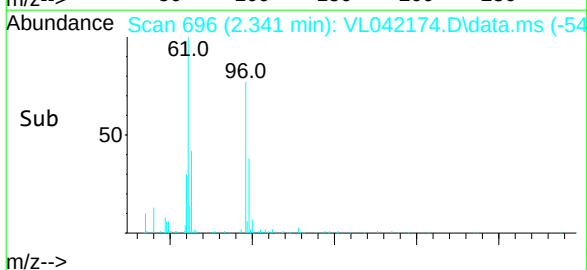
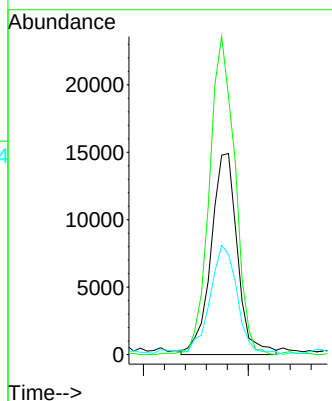
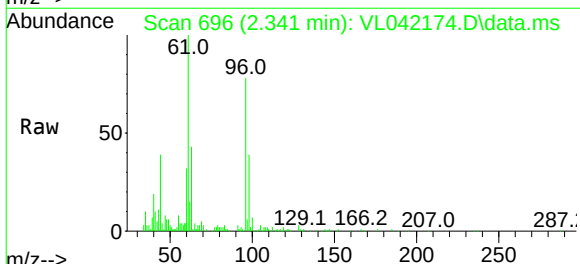
RT: 2.341 min Scan# 696

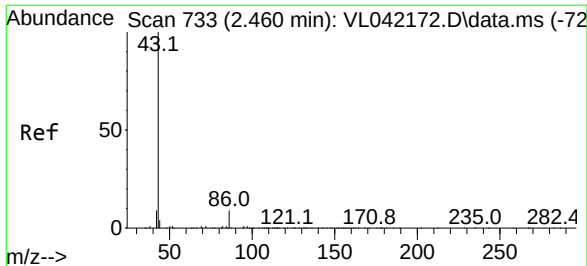
Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:	96	Resp:	13051
Ion	Ratio	Lower	Upper
96	100		
61	128.3	136.6	204.8#
98	49.9	49.4	74.2





#23

Vinyl Acetate

Concen: 1.190 ppbv m

RT: 2.464 min Scan# 733

Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

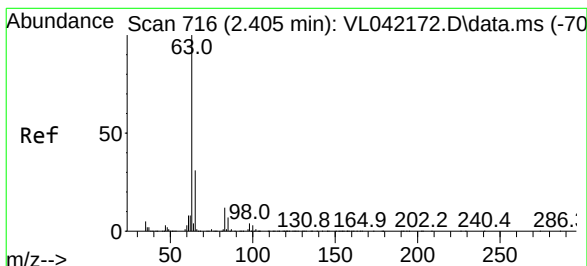
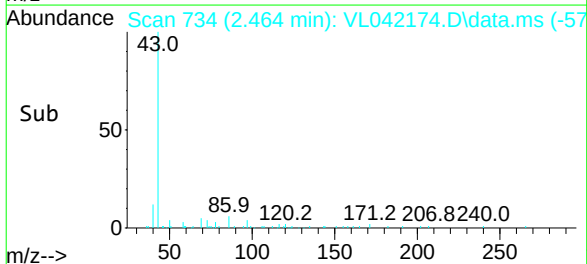
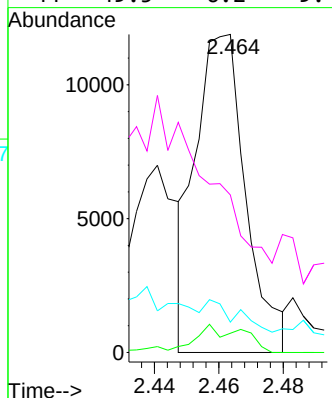
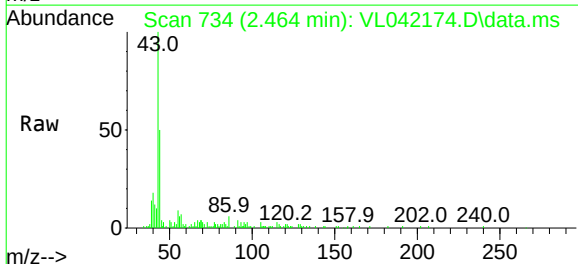
Tgt Ion: 43	Resp: 12883
Ion Ratio	Lower Upper
43 100	
86 6.0	5.5 8.3
42 9.5	8.6 13.0
44 49.5	6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#24

1,1-Dichloroethane

Concen: 1.022 ppbv

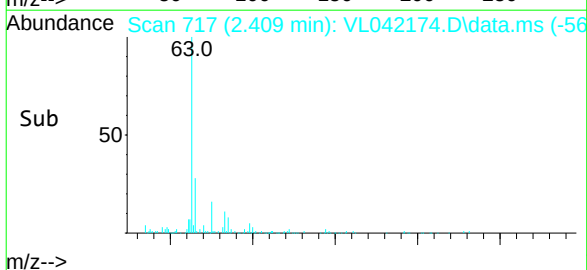
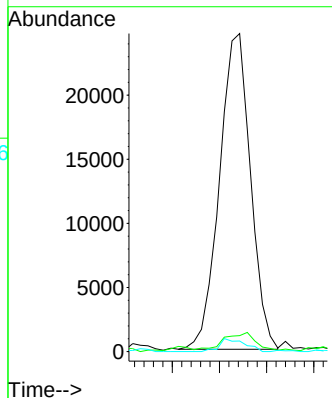
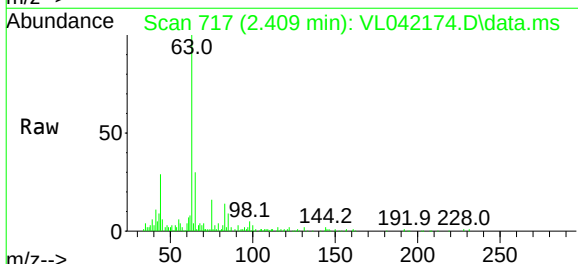
RT: 2.409 min Scan# 717

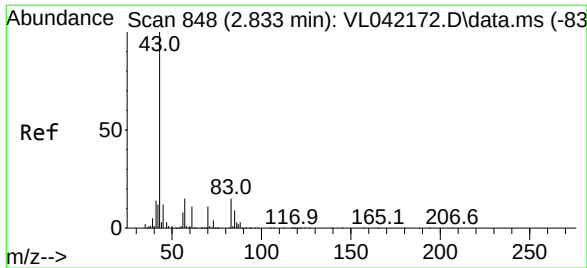
Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion: 63	Resp: 22505
Ion Ratio	Lower Upper
63 100	
98 4.6	2.3 6.8
100 3.4	1.6 4.7





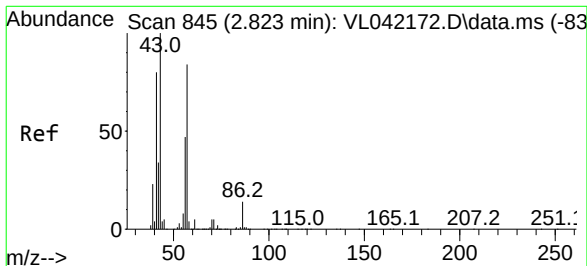
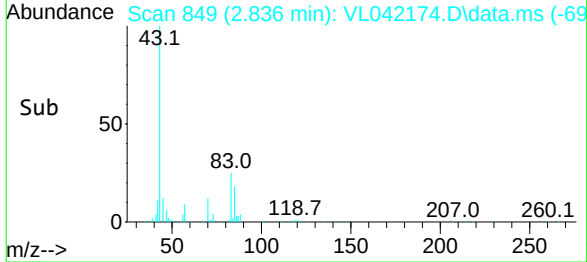
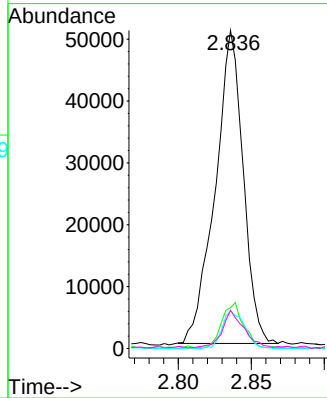
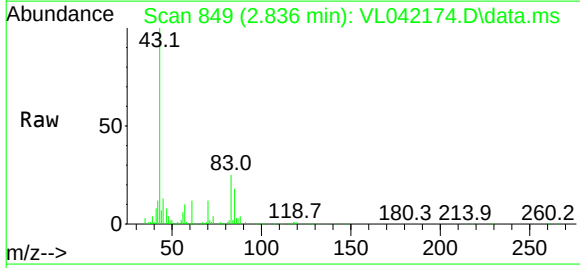
#25
Ethyl Acetate
Concen: 0.997 ppbv
RT: 2.836 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43	Resp: 67402
Ion Ratio	Lower Upper
43 100	
45 12.3	8.2 12.2
61 9.6	7.3 10.9
70 10.3	7.2 10.8

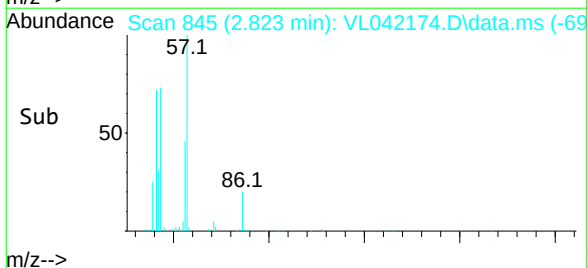
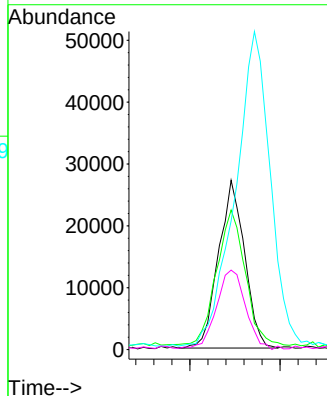
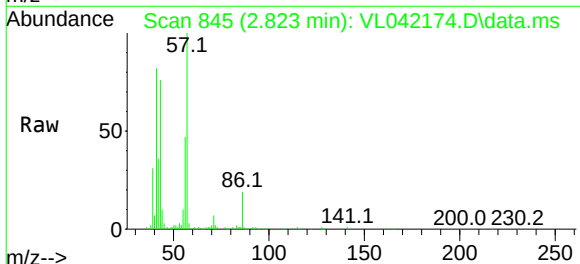
Manual Integrations
APPROVED

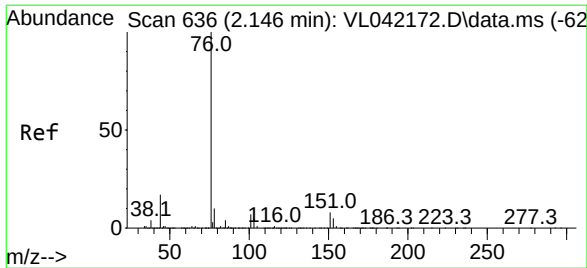
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#26
Hexane
Concen: 1.043 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 57	Resp: 27223
Ion Ratio	Lower Upper
57 100	
41 93.5	76.6 114.8
43 256.9	207.8 311.8
56 53.3	43.6 65.4





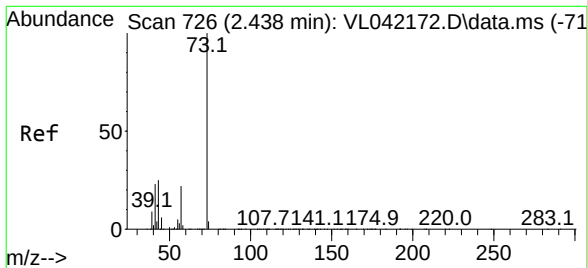
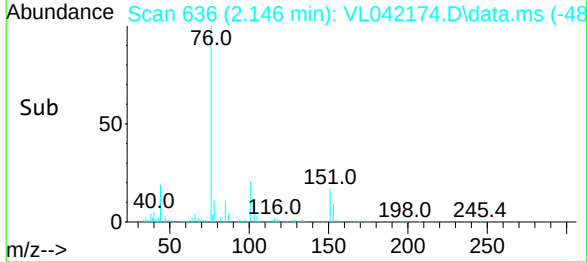
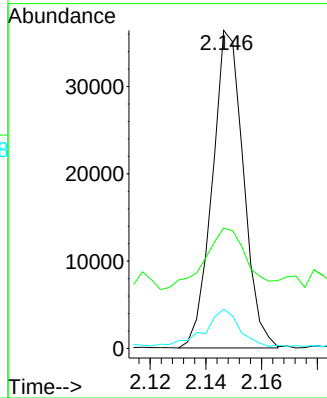
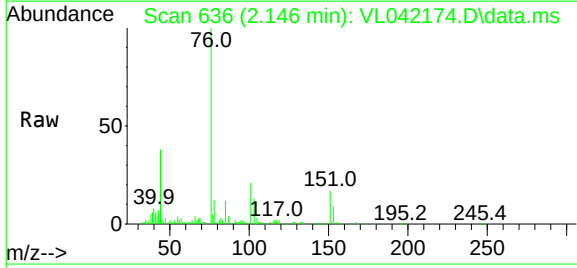
#27
Carbon Disulfide
Concen: 1.006 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 76 Resp: 28167
Ion Ratio Lower Upper
76 100
44 54.6 14.7 22.1#
78 15.0 9.3 13.9#

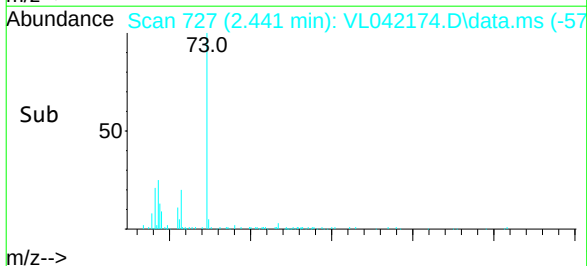
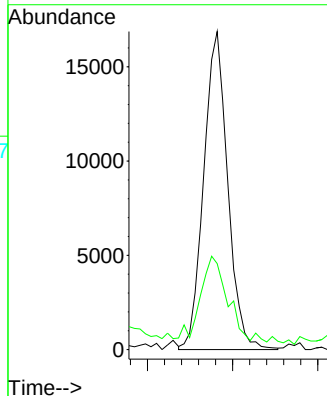
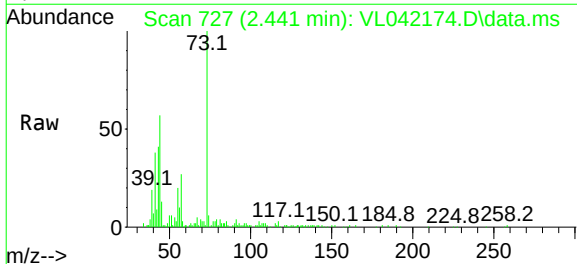
Manual Integrations
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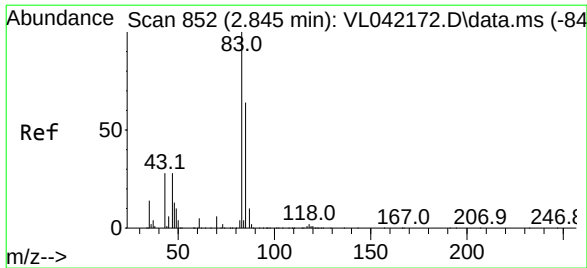
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#28
Methyl tert-Butyl Ether
Concen: 1.015 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 73 Resp: 16501
Ion Ratio Lower Upper
73 100
57 28.0 20.5 30.7





#29

Chloroform

Concen: 1.008 ppbv

RT: 2.845 min Scan# 85

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 83 Resp: 38516

Ion Ratio Lower Upper

83 100

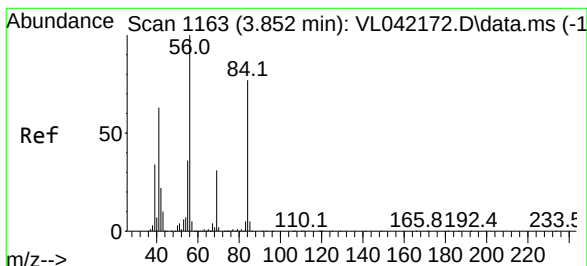
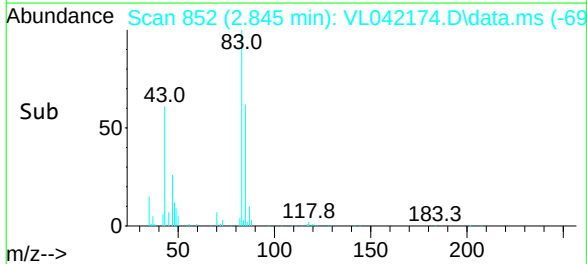
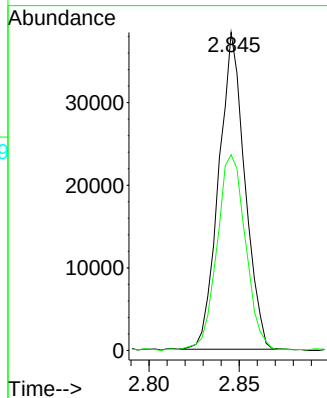
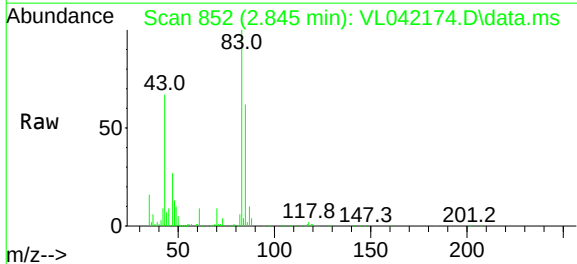
85 61.6 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#30

Cyclohexane

Concen: 1.016 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

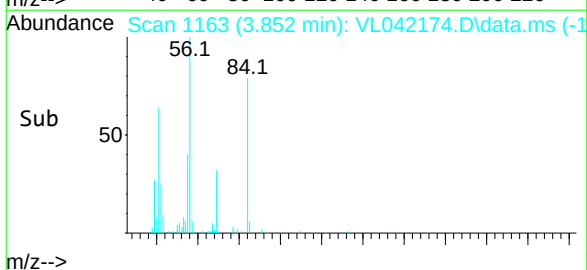
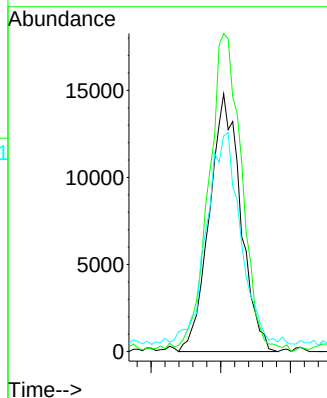
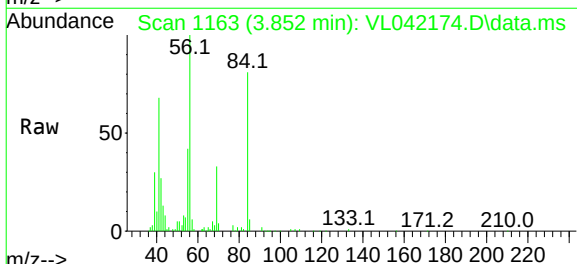
Tgt Ion: 84 Resp: 23052

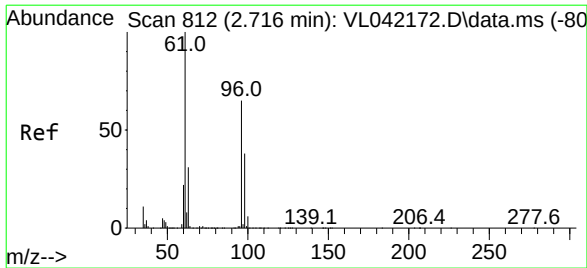
Ion Ratio Lower Upper

84 100

56 128.9 102.8 154.2

41 89.3 66.5 99.7





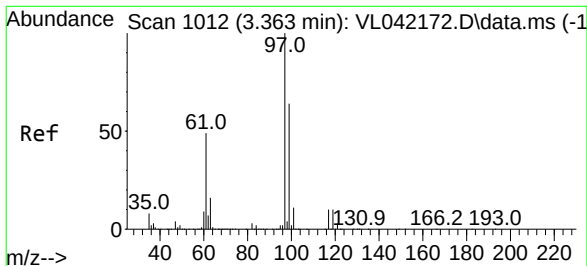
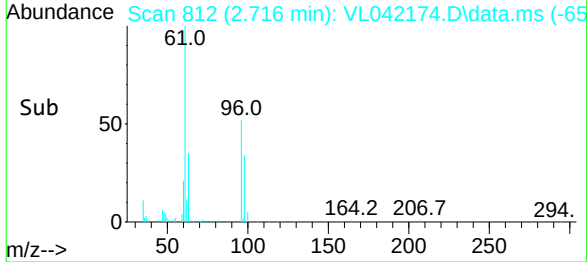
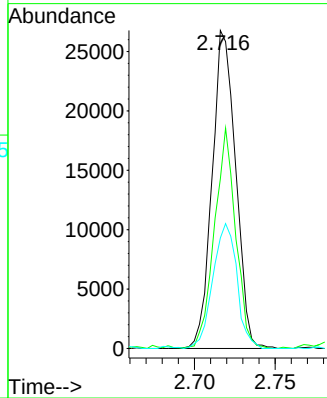
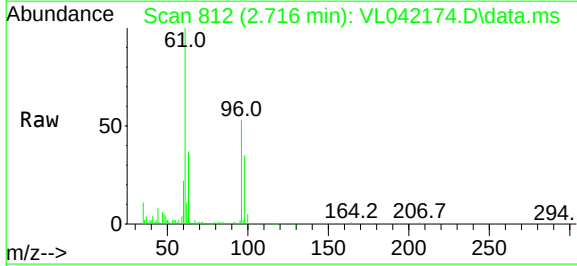
#31
 cis-1,2-Dichloroethene
 Concen: 1.026 ppbv
 RT: 2.716 min Scan# 812
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:	61	Resp:	27187
Ion	Ratio	Lower	Upper
61	100		
96	53.3	51.8	77.8
98	34.8	30.6	46.0

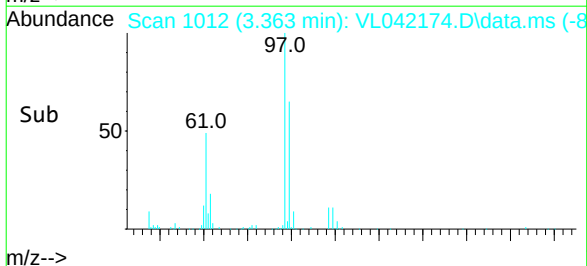
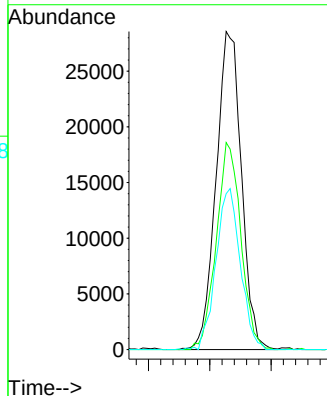
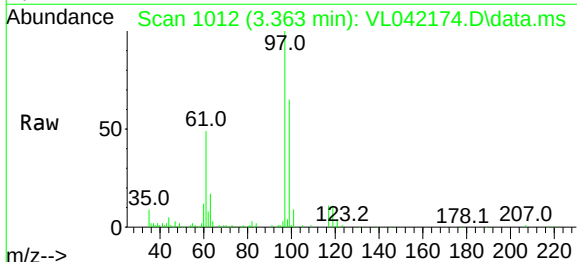
Manual Integrations
 APPROVED

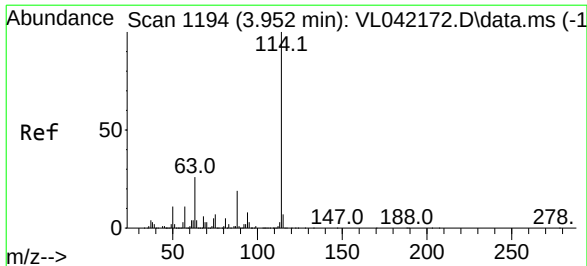
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.938 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

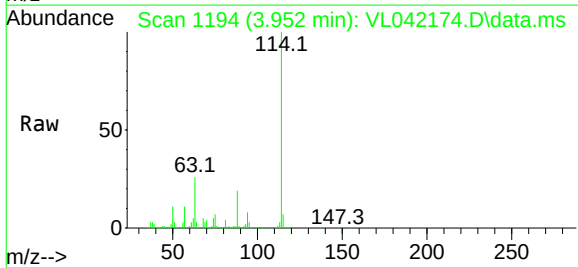
Tgt Ion:	97	Resp:	40993
Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.5	77.3
61	48.8	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

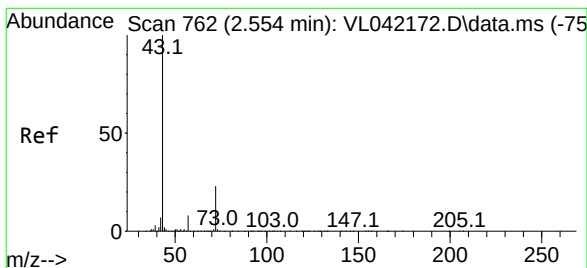
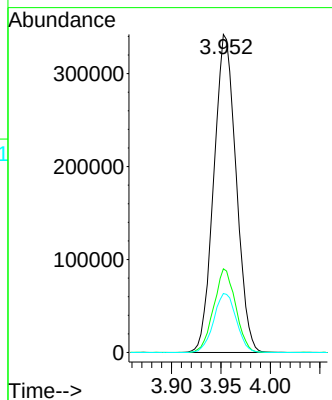
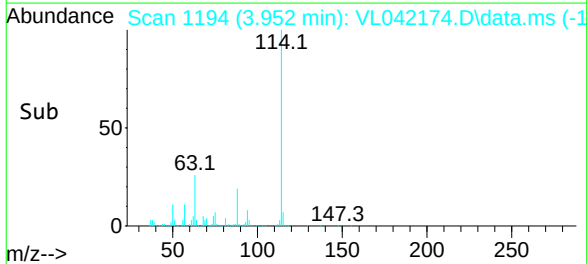
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



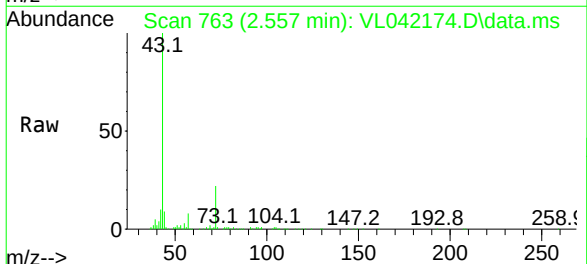
Tgt Ion: 114 Resp: 537244
Ion Ratio Lower Upper
114 100
63 25.8 20.7 31.1
88 18.8 15.0 22.4

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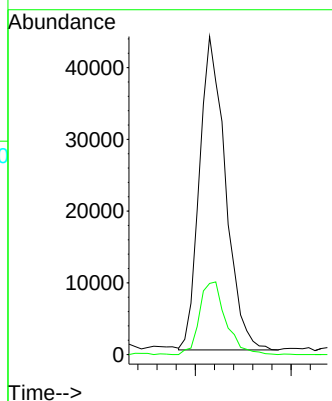
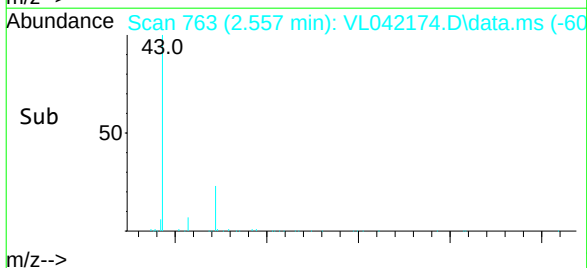
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

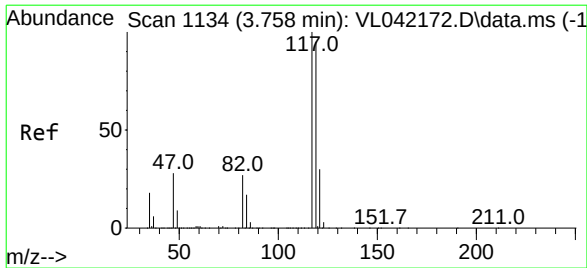


#34
2-Butanone
Concen: 1.063 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30



Tgt Ion: 43 Resp: 41423
Ion Ratio Lower Upper
43 100
72 23.5 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.952 ppbv

RT: 3.758 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL042174.D

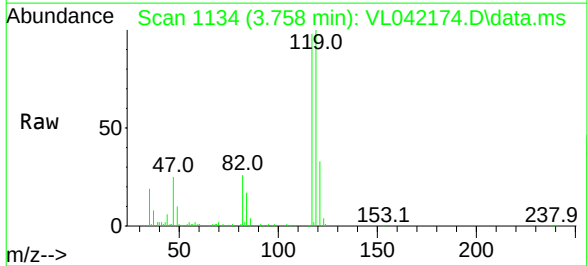
Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

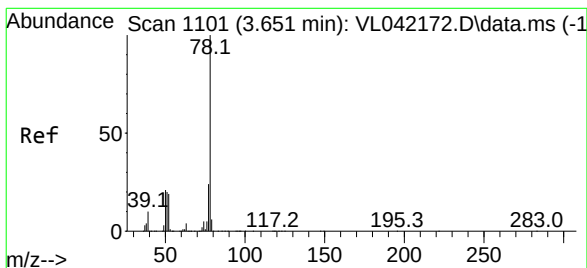
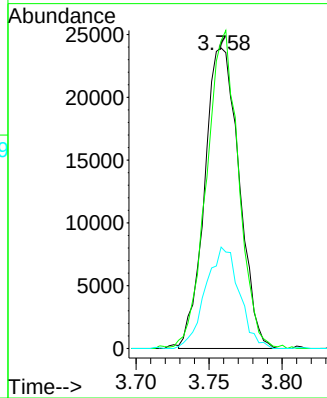
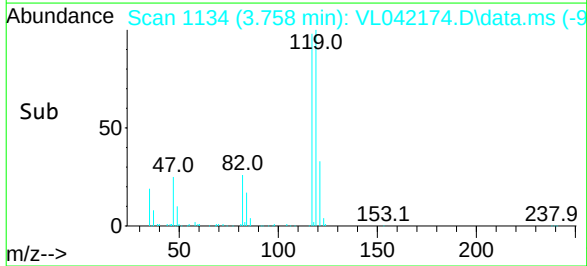


Tgt Ion:	117	Resp:	39345
Ion	Ratio	Lower	Upper
117	100		
119	101.8	76.2	114.2
121	33.7	24.2	36.4

Manual Integrations

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



#36

Benzene

Concen: 1.036 ppbv

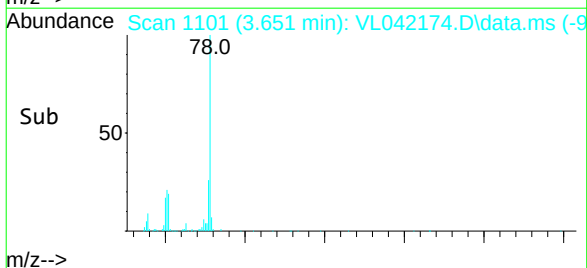
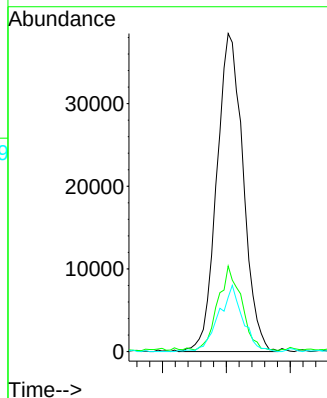
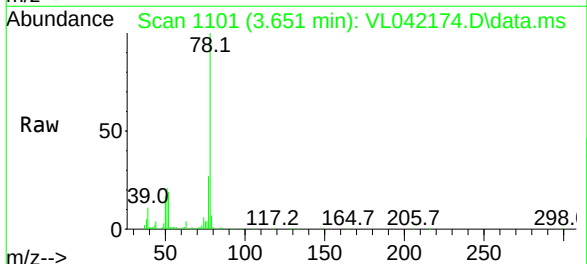
RT: 3.651 min Scan# 1101

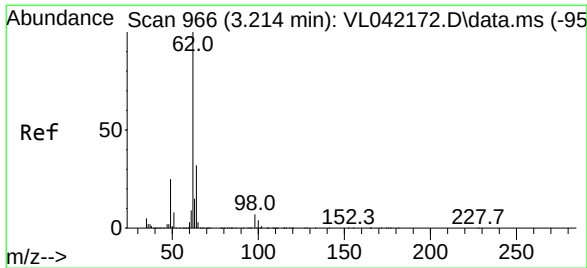
Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:	78	Resp:	55156
Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.1	28.7
50	17.1	16.6	24.8





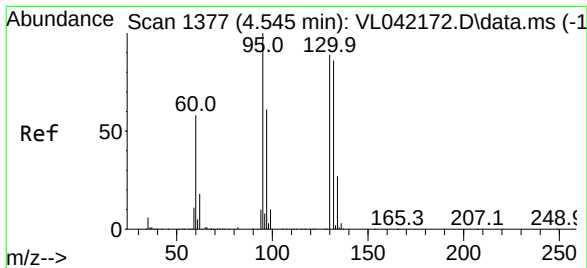
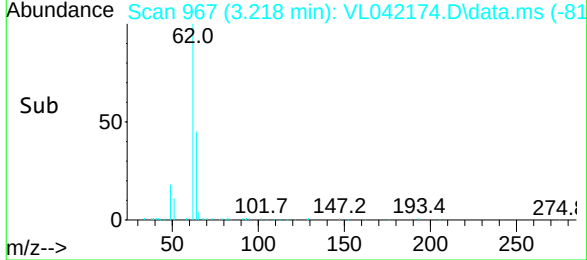
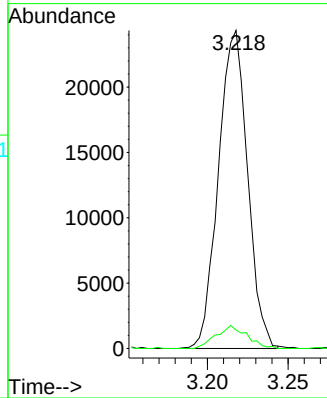
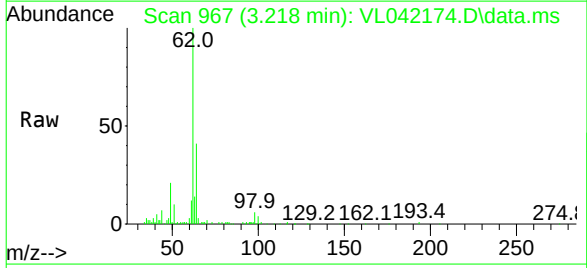
#37
1,2-Dichloroethane
Concen: 1.002 ppbv
RT: 3.218 min Scan# 966
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 30543
Ion Ratio Lower Upper
62 100
98 7.6 5.4 8.2

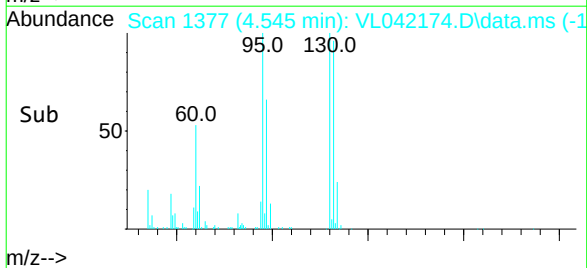
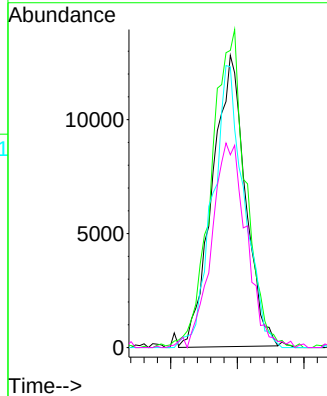
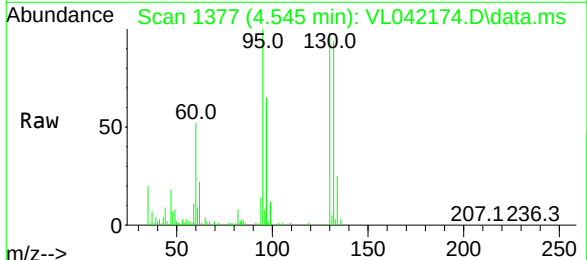
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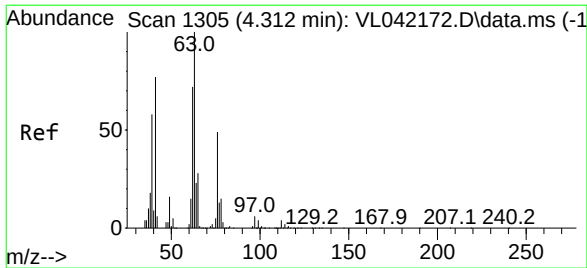
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#38
Trichloroethene
Concen: 0.985 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:130 Resp: 21906
Ion Ratio Lower Upper
130 100
95 100.2 89.8 134.8
132 95.3 77.4 116.2
97 64.3 55.1 82.7





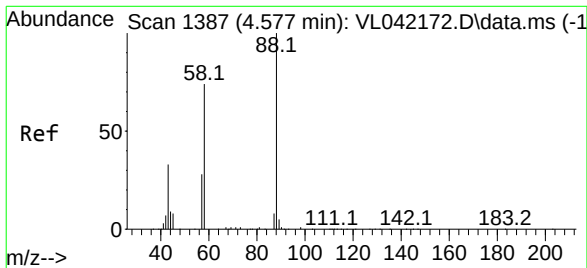
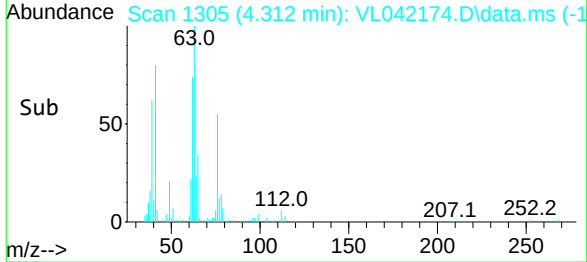
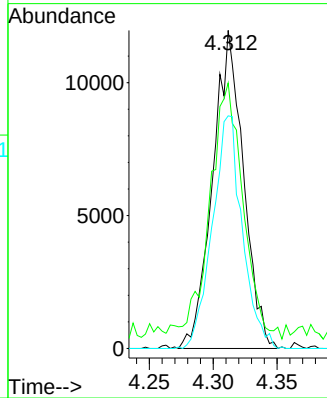
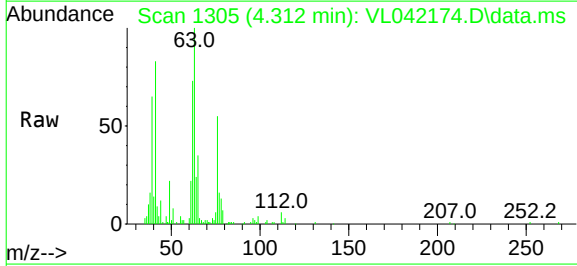
#39
1,2-Dichloropropane
Concen: 1.032 ppbv
RT: 4.312 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
63	100		
41	76.8	61.7	92.5
62	73.1	57.6	86.4

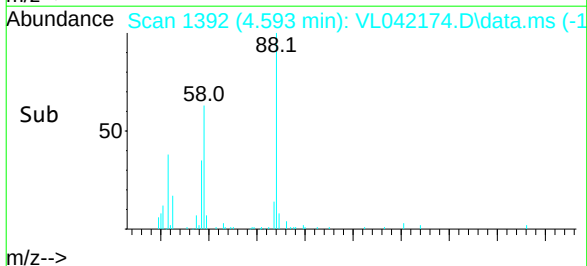
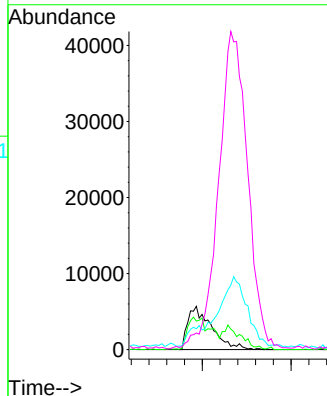
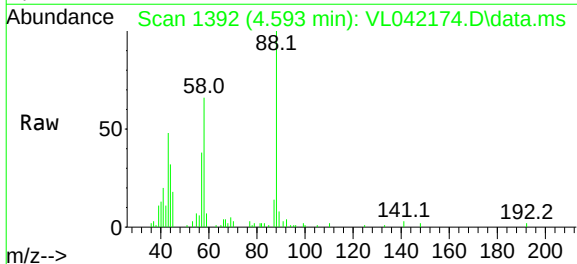
Manual Integrations
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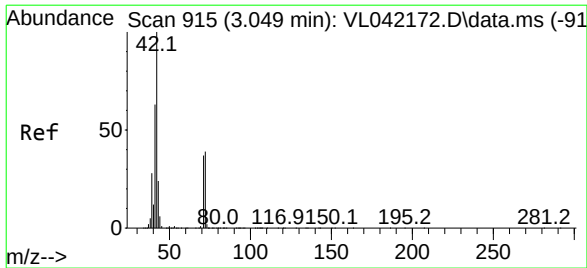
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#40
1,4-Dioxane
Concen: 1.052 ppbv m
RT: 4.593 min Scan# 1392
Delta R.T. 0.016 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	115.3	62.7	94.1#
43	0.0	23.0	34.4#
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 1.029 ppbv

RT: 3.056 min Scan# 91

Delta R.T. 0.007 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

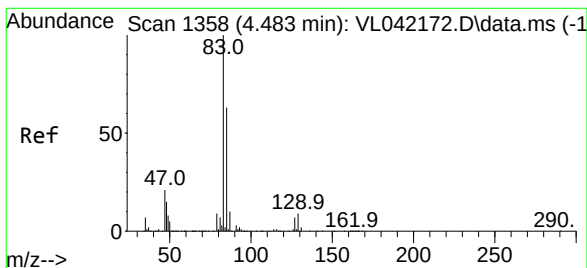
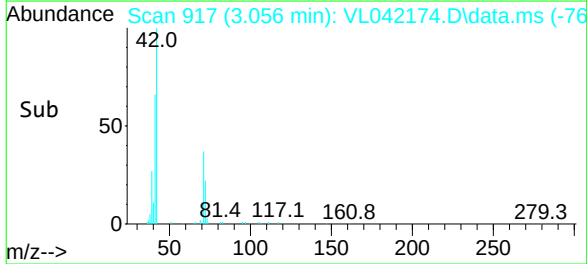
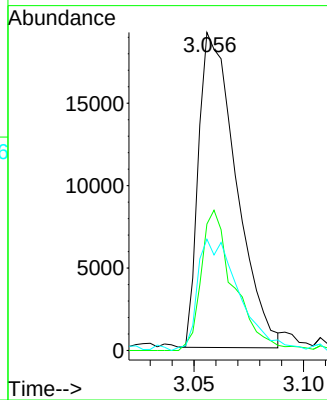
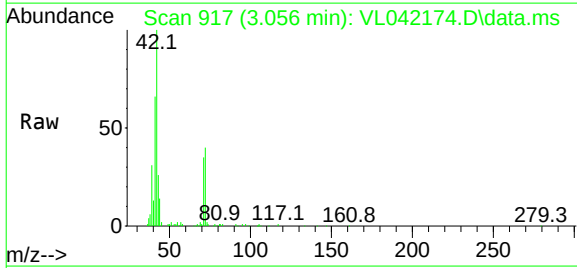
VSTDICC001

Tgt Ion:	42	Resp:	22818
Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.4	47.0
71	40.8	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: 0.996 ppbv

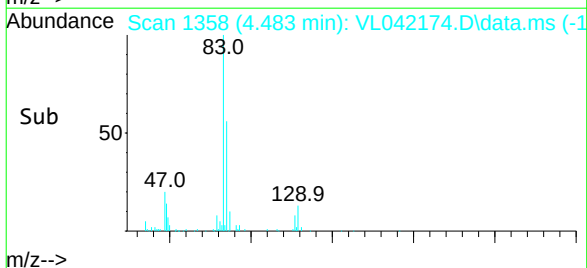
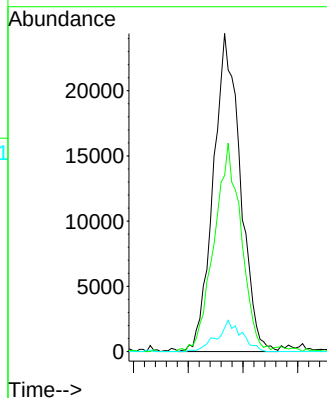
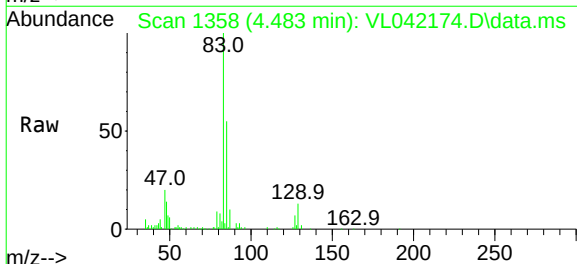
RT: 4.483 min Scan# 1358

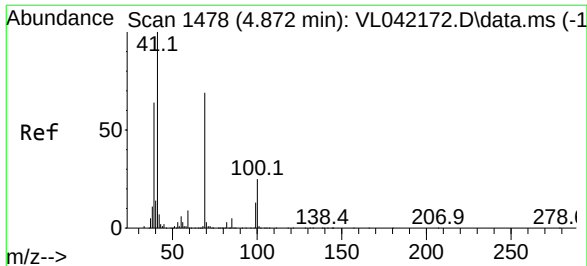
Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:	83	Resp:	41864
Ion	Ratio	Lower	Upper
83	100		
85	54.7	50.5	75.7
127	7.5	5.9	8.9





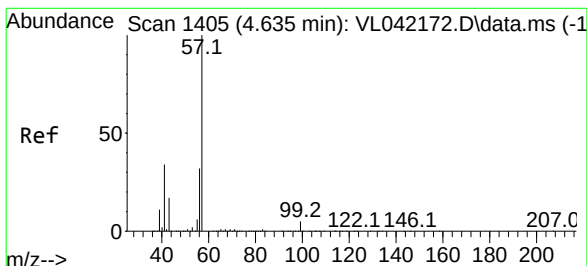
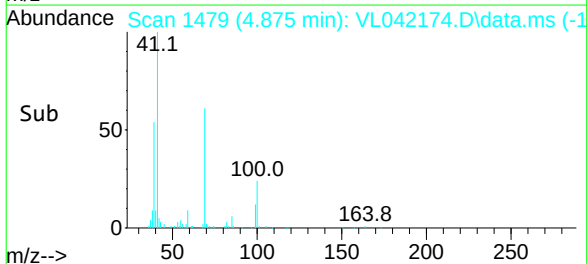
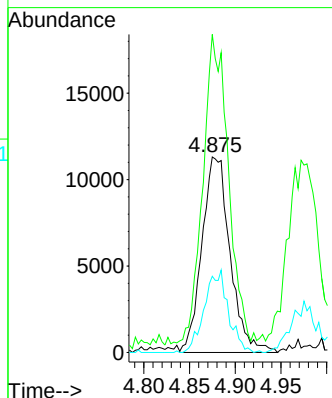
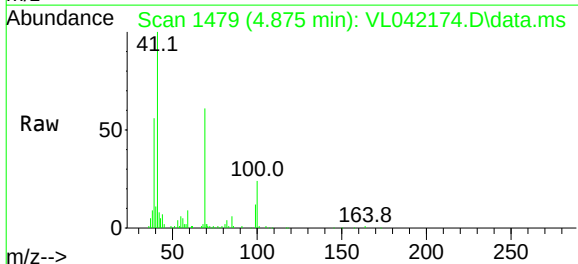
#43
Methyl Methacrylate
Concen: 1.078 ppbv m
RT: 4.875 min Scan# 1478
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 24233
Ion Ratio Lower Upper
69 100
41 146.1 123.8 185.6
100 0.0 28.4 42.6

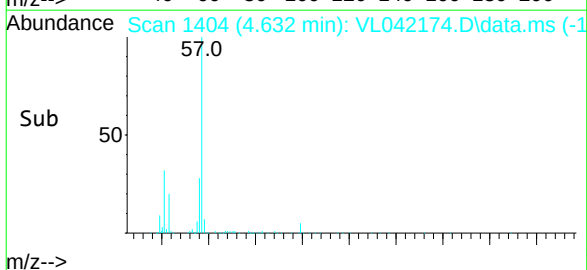
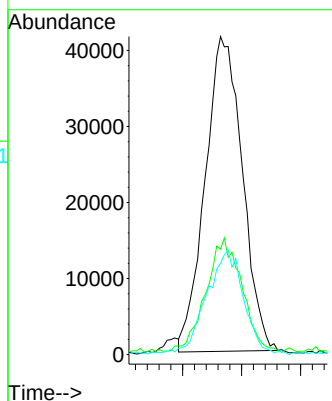
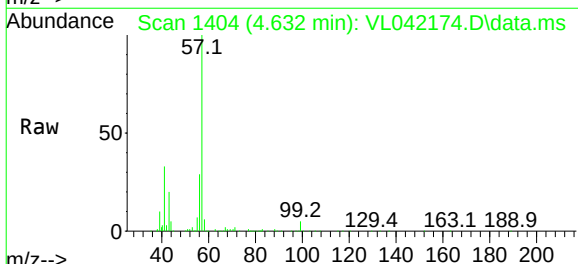
Manual Integrations
APPROVED

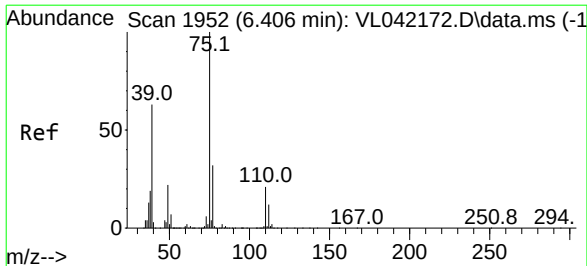
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#44
2,2,4-Trimethylpentane
Concen: 1.008 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 57 Resp: 90727
Ion Ratio Lower Upper
57 100
41 35.9 26.8 40.2
56 33.7 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 0.992 ppbv m

RT: 6.403 min Scan# 19

Delta R.T. -0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 75 Resp: 23993

Ion Ratio Lower Upper

75 100

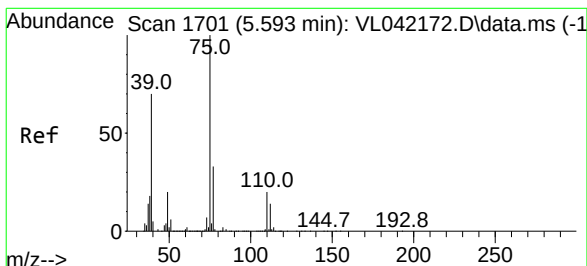
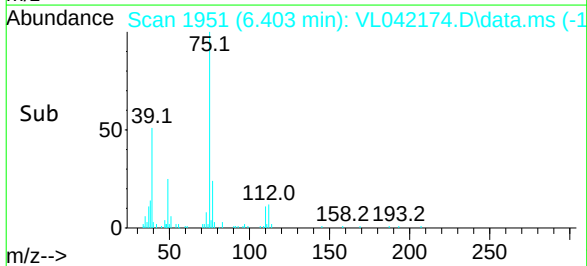
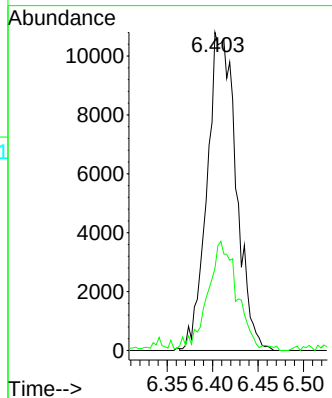
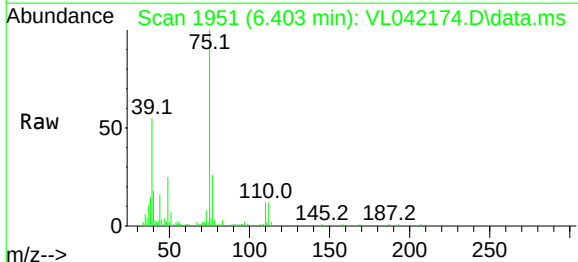
77 25.9 26.0 39.0#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#46

cis-1,3-Dichloropropene

Concen: 1.014 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

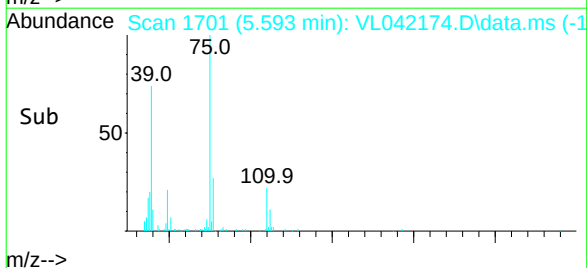
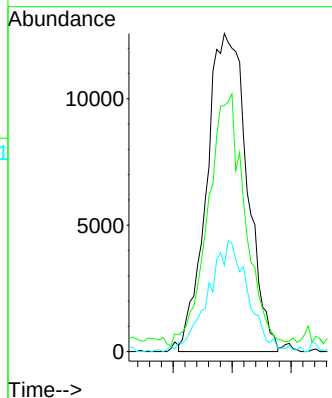
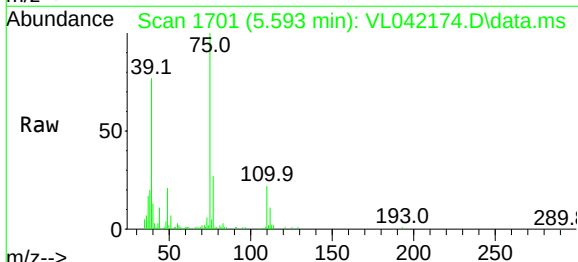
Tgt Ion: 75 Resp: 30063

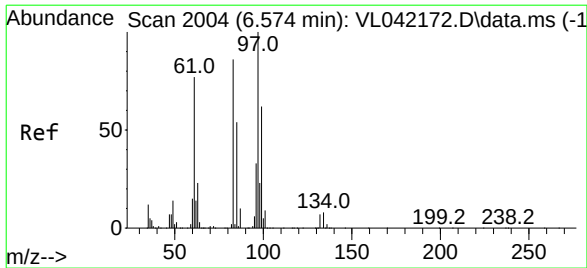
Ion Ratio Lower Upper

75 100

39 74.2 55.8 83.6

77 26.4 26.0 39.0





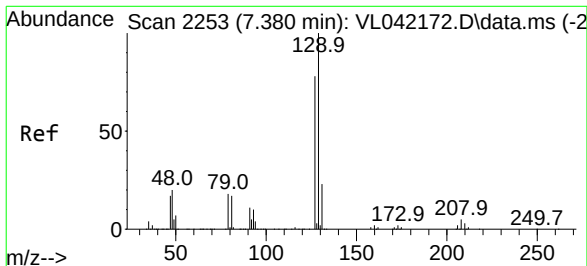
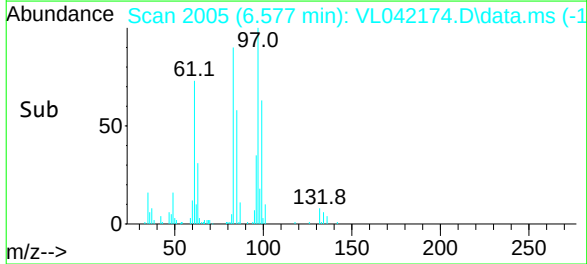
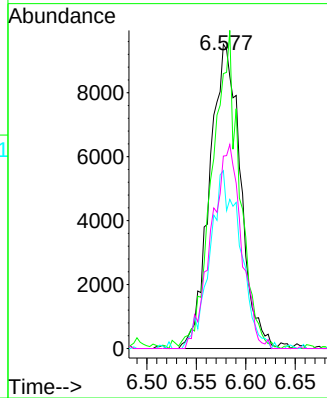
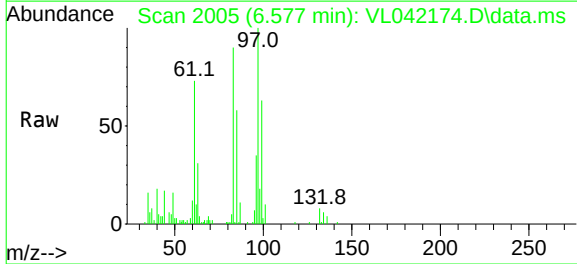
#47
1,1,2-Trichloroethane
Concen: 1.002 ppbv
RT: 6.577 min Scan# 20546
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.2	103.8
85	58.4	43.1	64.7
99	63.2	49.4	74.2

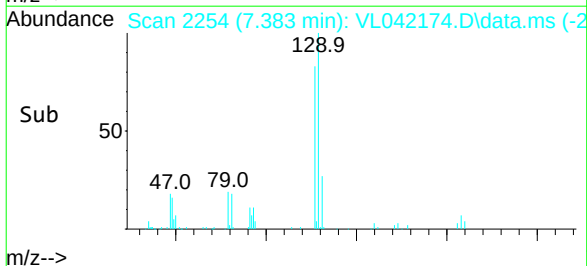
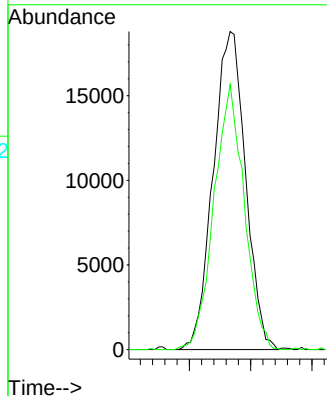
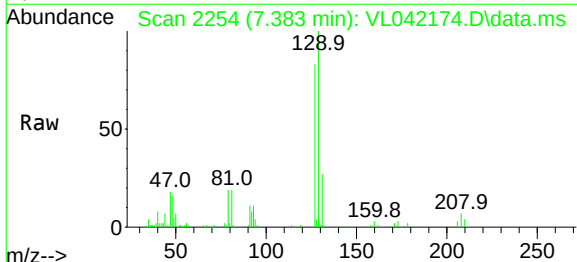
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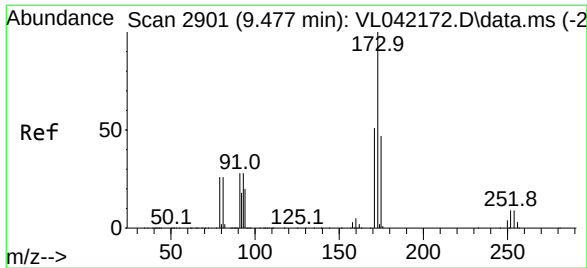
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#48
Dibromochloromethane
Concen: 0.991 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2





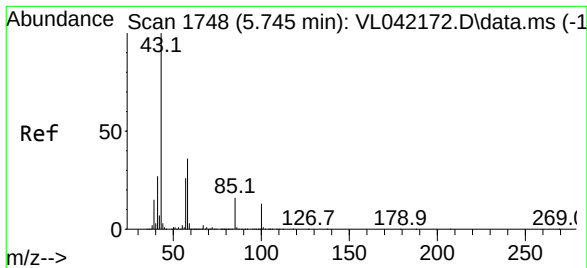
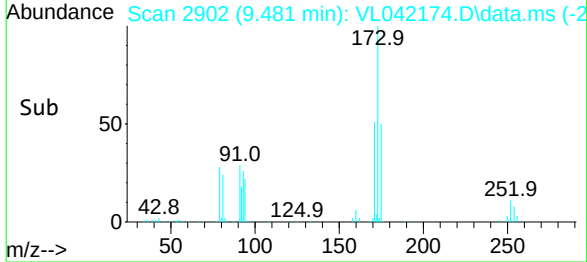
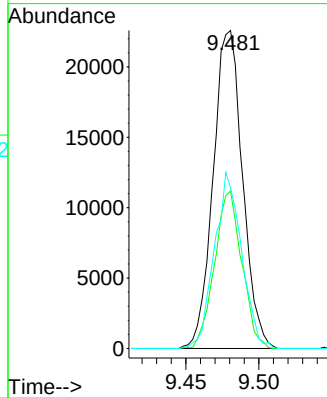
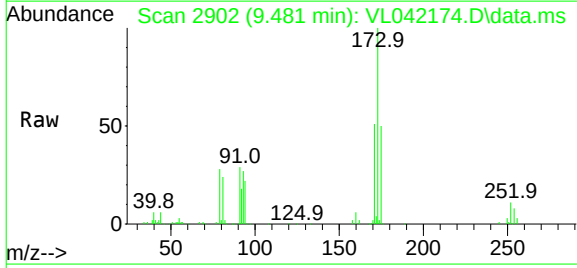
#49
Bromoform
Concen: 1.013 ppbv
RT: 9.481 min Scan# 2901
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 173 Resp: 31610
Ion Ratio Lower Upper
173 100
175 46.1 38.6 57.8
171 51.3 41.8 62.6

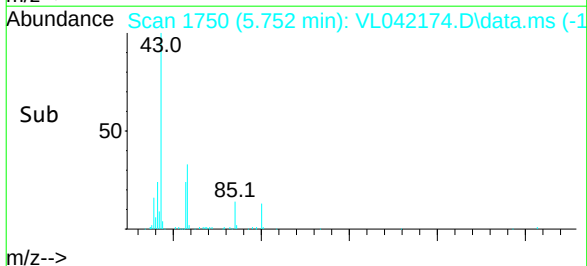
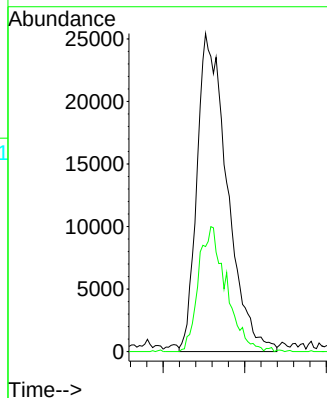
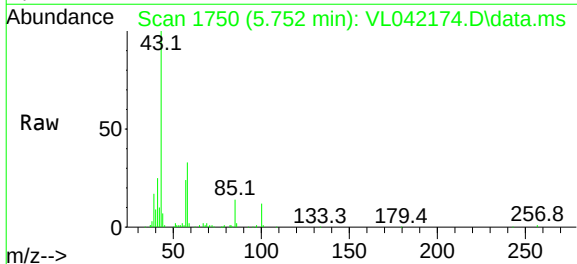
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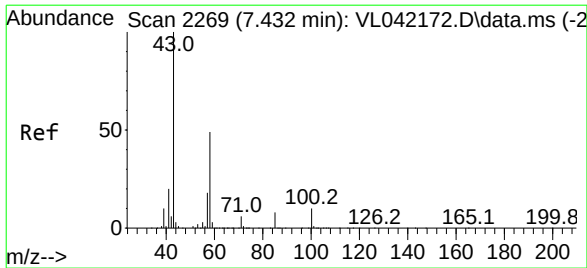
Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025



#50
4-Methyl-2-Pentanone
Concen: 1.056 ppbv m
RT: 5.752 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

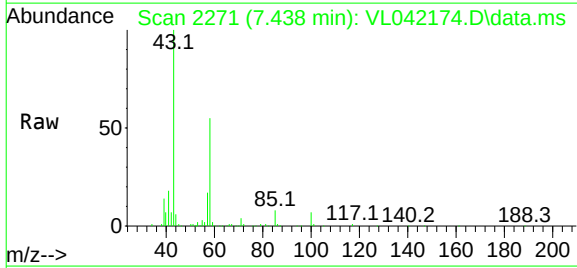
Tgt Ion: 43 Resp: 65226
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#





#51
2-Hexanone
Concen: 1.067 ppbv
RT: 7.438 min Scan# 2269
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

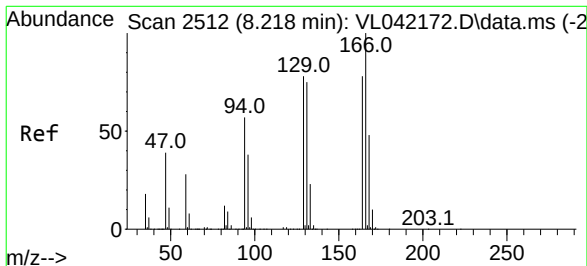
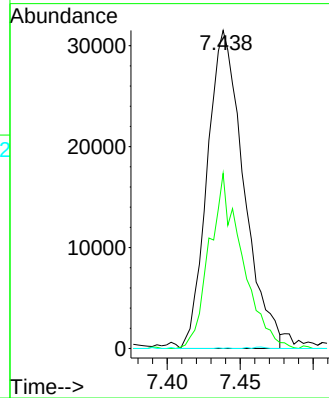
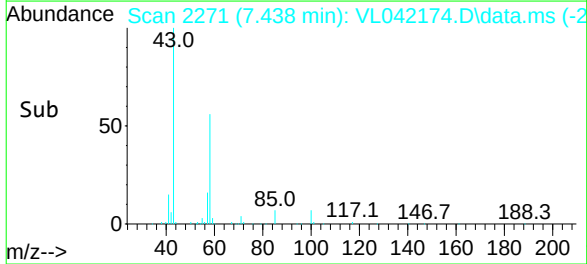
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



Tgt Ion: 43 Resp: 54680
Ion Ratio Lower Upper
43 100
58 49.8 39.7 59.5
98 0.2 0.1 0.1#

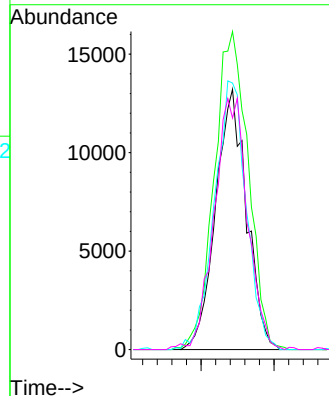
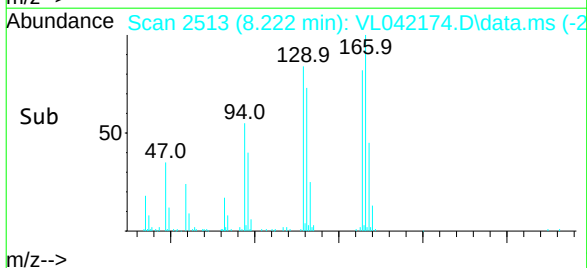
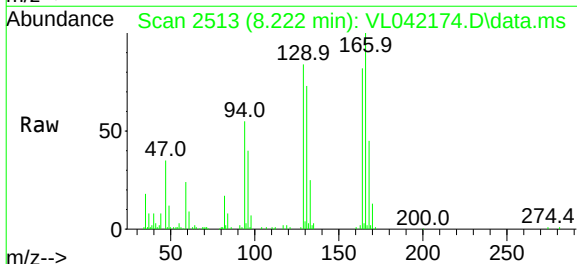
Manual Integrations
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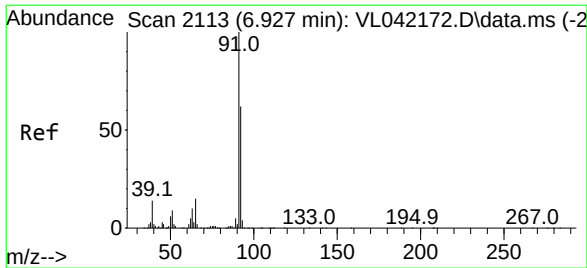
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#52
Tetrachloroethene
Concen: 0.919 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:164 Resp: 19415
Ion Ratio Lower Upper
164 100
166 121.4 102.5 153.7
129 102.4 79.8 119.8
131 88.1 76.6 114.8





#53

Toluene

Concen: 1.023 ppbv

RT: 6.927 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 91 Resp: 64612

Ion Ratio Lower Upper

91 100

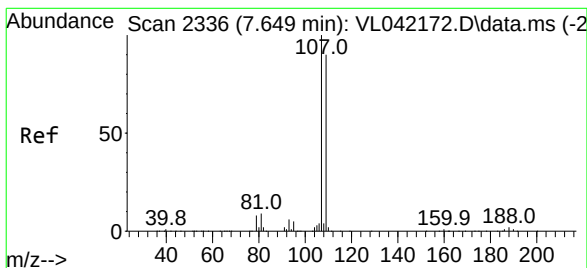
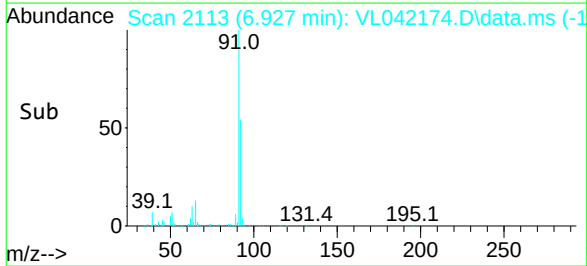
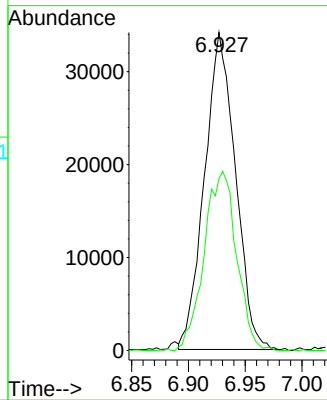
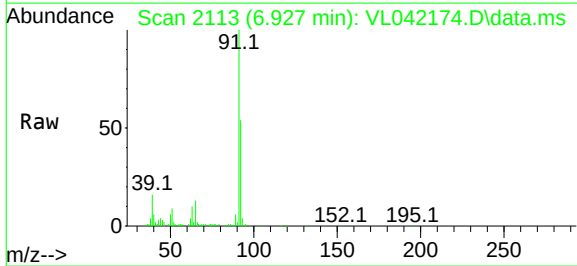
92 59.4 48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#54

1,2-Dibromoethane

Concen: 1.009 ppbv

RT: 7.652 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VL042174.D

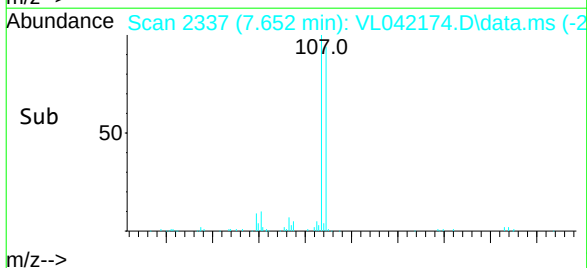
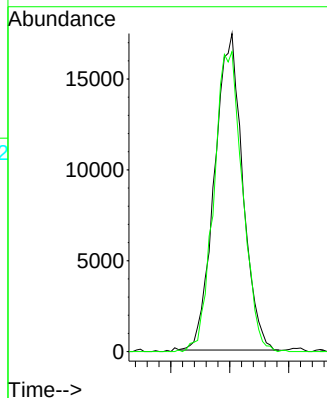
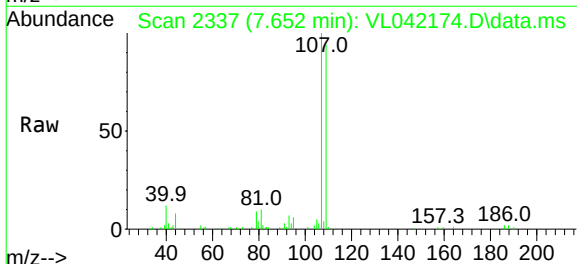
Acq: 27 Mar 2025 09:30

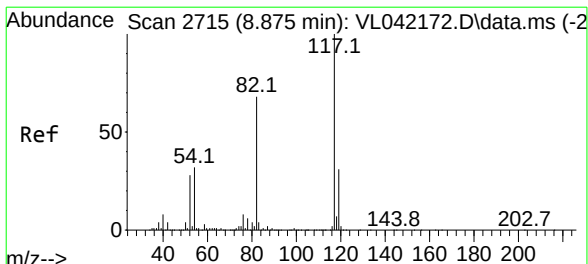
Tgt Ion:107 Resp: 28879

Ion Ratio Lower Upper

107 100

109 94.8 72.2 108.4





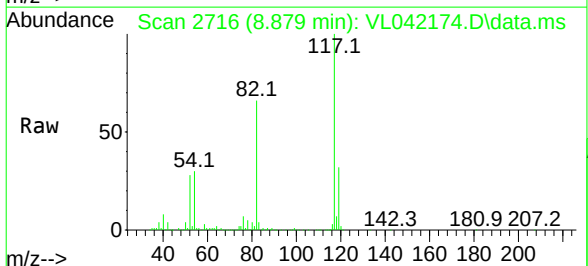
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

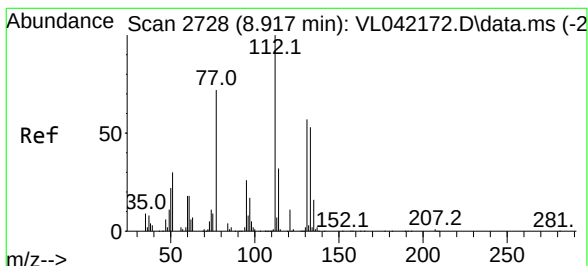
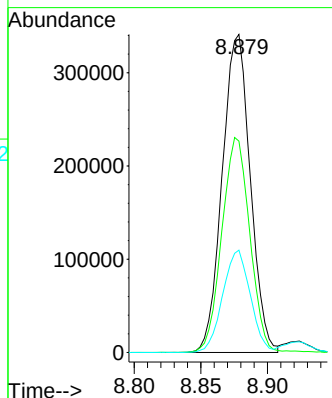
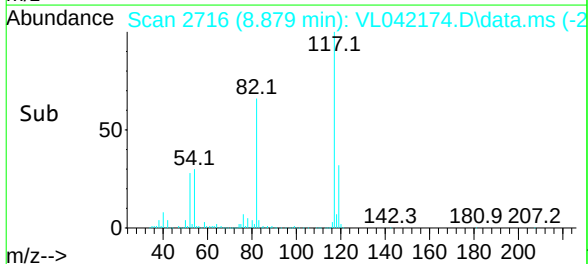
VSTDIC001



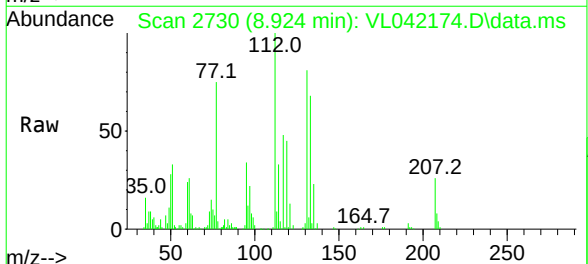
Tgt Ion:	117	Resp:	499836
Ion Ratio	Lower	Upper	
117	100		
82	67.6	55.8	83.6
119	32.2	25.5	38.3

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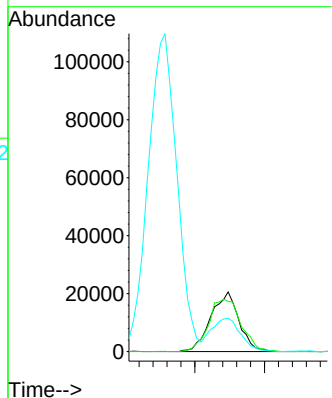
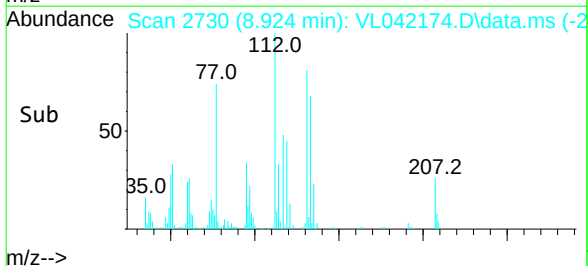
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

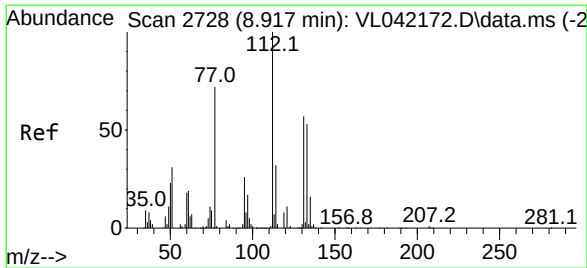


#56
1,1,1,2-Tetrachloroethane
Concen: 1.045 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30



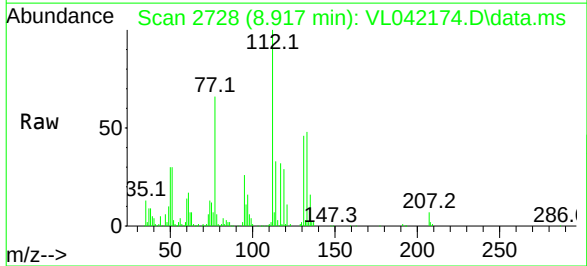
Tgt Ion:	131	Resp:	28764
Ion Ratio	Lower	Upper	
131	100		
133	101.7	76.6	114.8
119	44.1	49.8	74.6#





#57
Chlorobenzene
Concen: 1.032 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

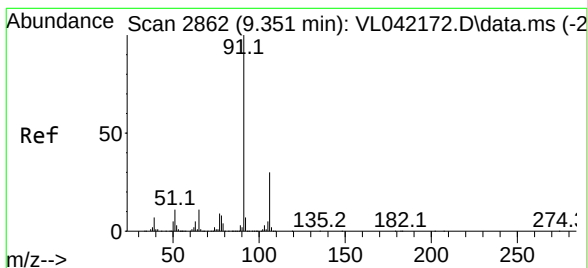
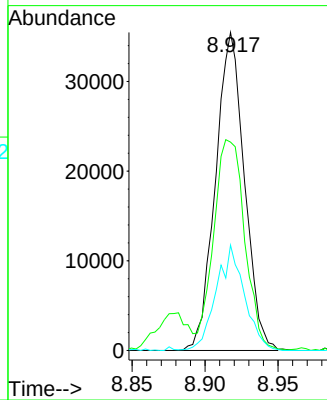
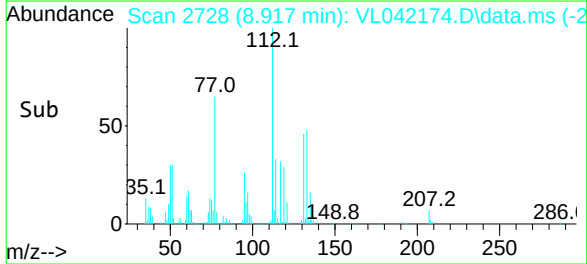
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 112 Resp: 48936
Ion Ratio Lower Upper
112 100
77 65.0 58.2 87.2
114 32.9 29.1 35.5

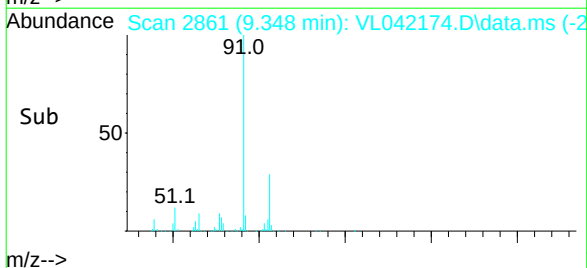
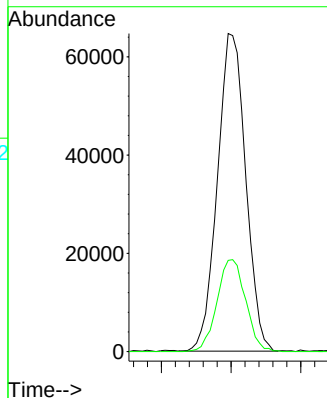
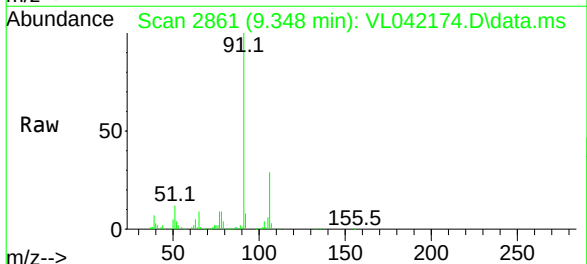
Manual Integrations
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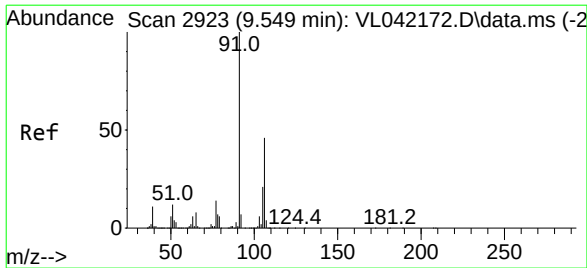
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#58
Ethyl Benzene
Concen: 1.026 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

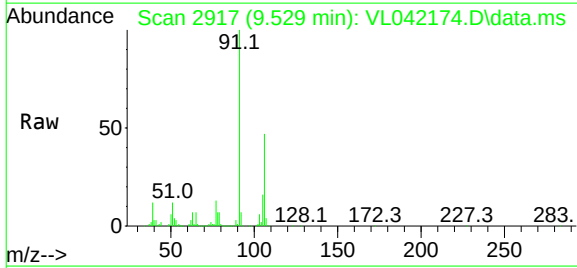
Tgt Ion: 91 Resp: 91086
Ion Ratio Lower Upper
91 100
106 28.7 24.2 36.2





#59
m/p-Xylene
Concen: 2.073 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.019 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

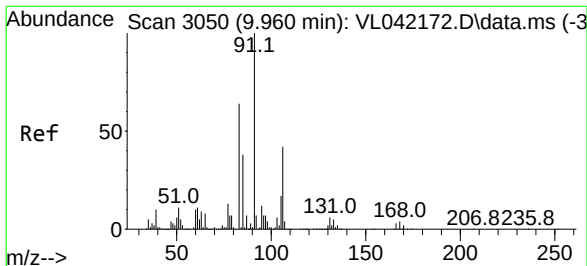
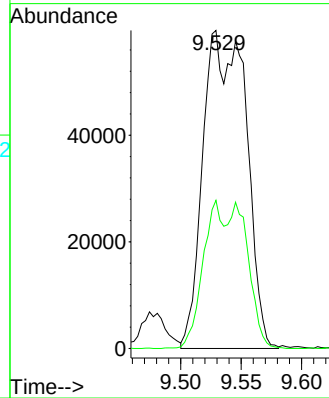
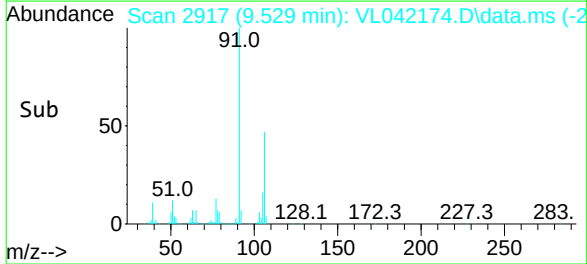
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



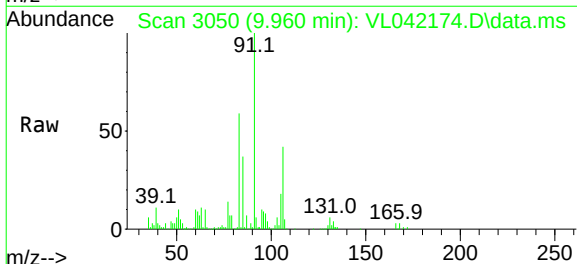
Tgt Ion: 91 Resp: 147162
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6

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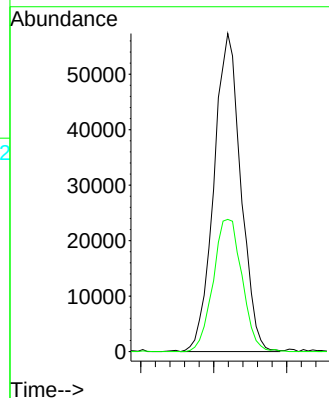
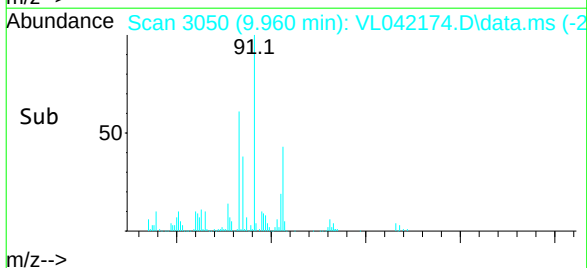
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

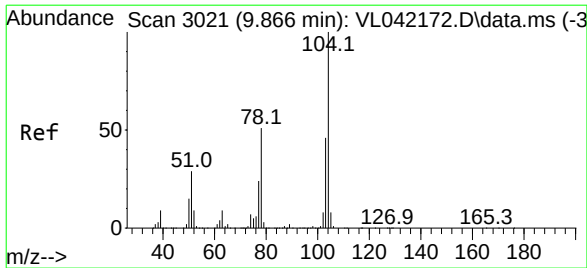


#60
o-Xylene
Concen: 1.037 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30



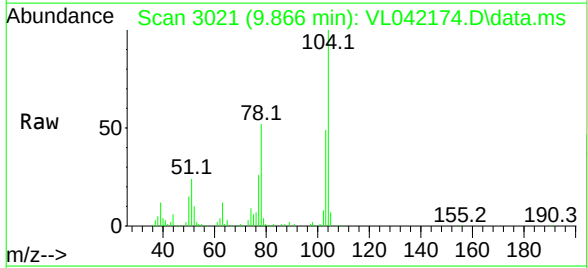
Tgt Ion: 91 Resp: 73702
Ion Ratio Lower Upper
91 100
106 44.3 20.8 62.5





#61
Styrene
Concen: 1.027 ppbv
RT: 9.866 min Scan# 3021
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

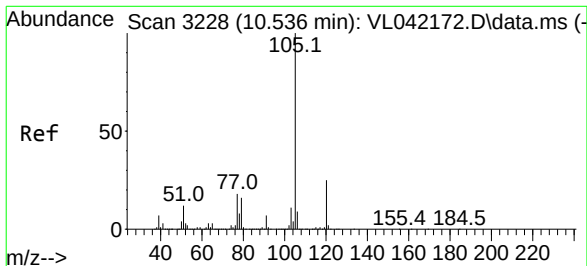
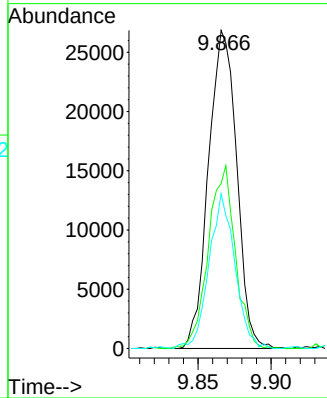
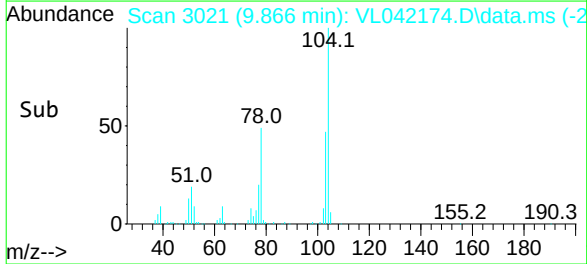
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



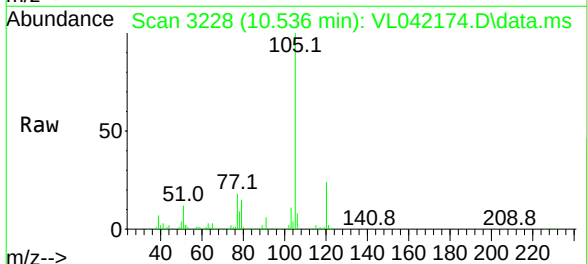
Tgt Ion:104 Resp: 36110
Ion Ratio Lower Upper
104 100
78 54.9 41.8 62.6
103 45.1 37.0 55.4

Manual Integrations
APPROVED

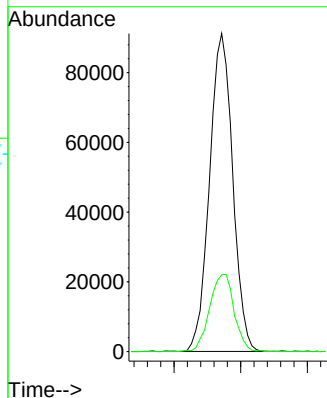
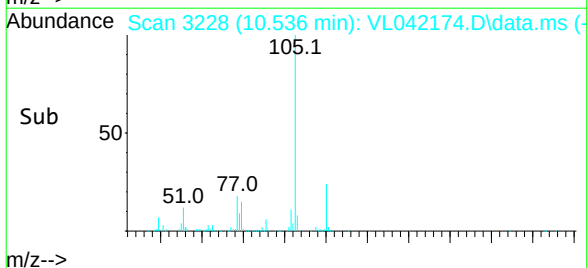
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

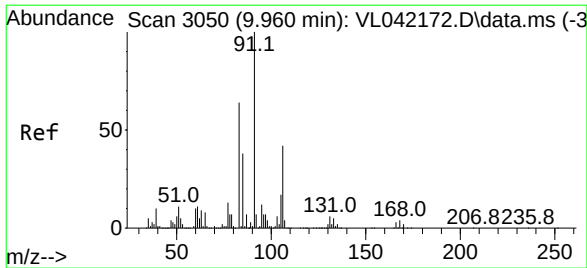


#62
Isopropylbenzene
Concen: 1.034 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30



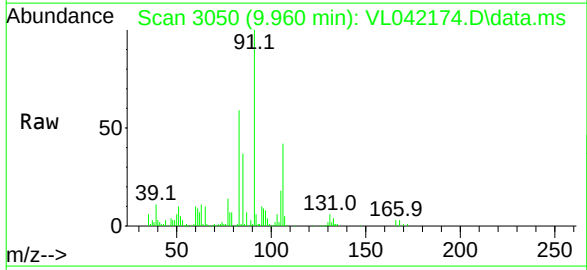
Tgt Ion:105 Resp: 109897
Ion Ratio Lower Upper
105 100
120 25.7 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 1.029 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

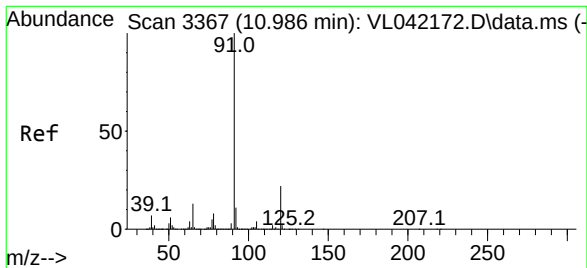
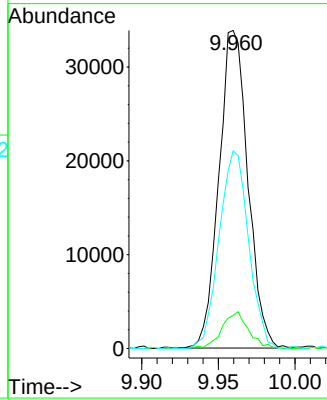
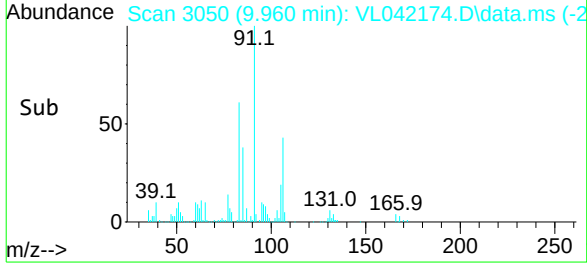
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



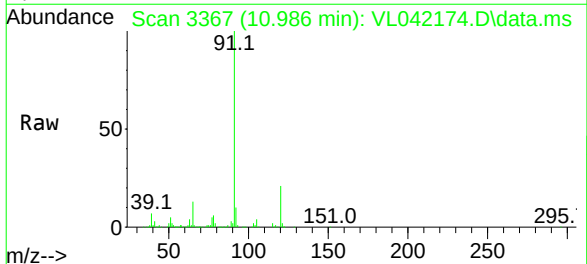
Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.8	14.4
85	64.0	32.5	97.5

Manual Integrations
APPROVED

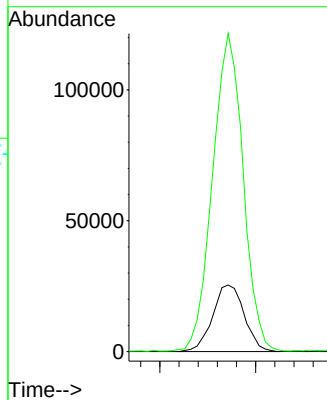
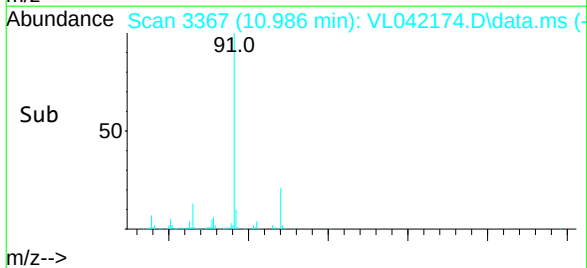
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

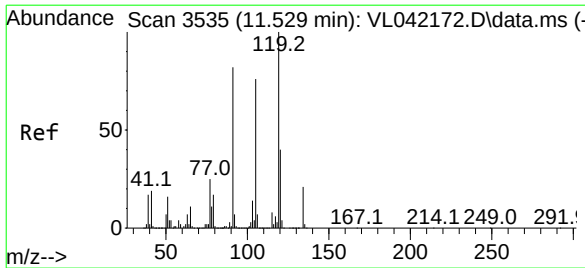


#64
n-propylbenzene
Concen: 1.062 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30



Tgt Ion	Ratio	Lower	Upper
120	100		
91	466.9	376.9	565.3





#65

tert-Butylbenzene

Concen: 1.053 ppbv

RT: 11.526 min Scan# 3535

Delta R.T. -0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

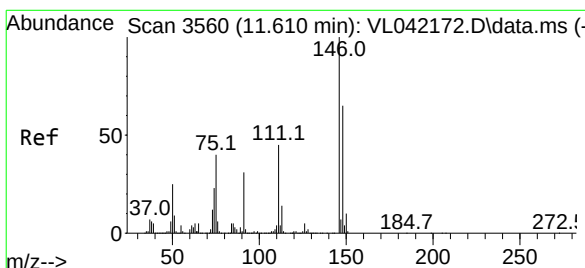
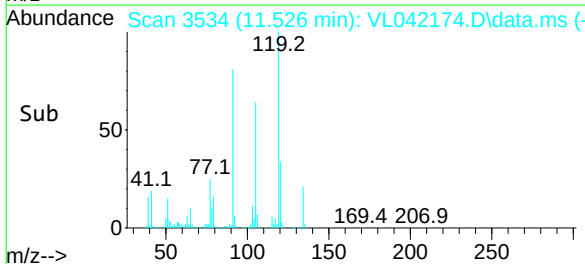
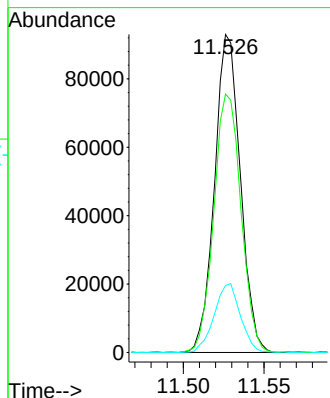
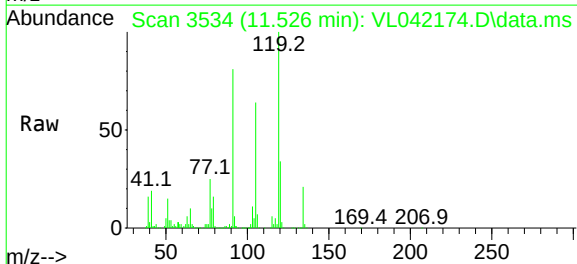
VSTDIC001

Tgt Ion:	119	Resp:	103520
Ion Ratio	Lower	Upper	
119	100		
91	85.9	66.0	99.0
134	22.1	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: 1.022 ppbv

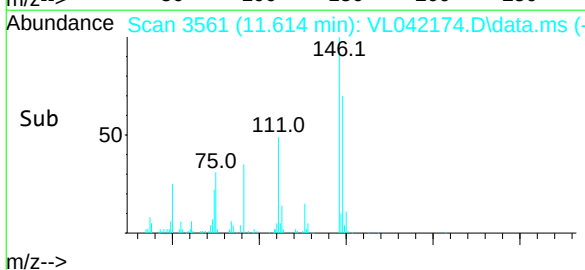
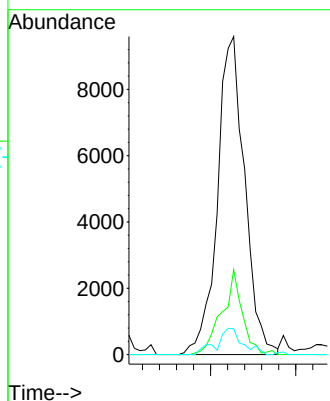
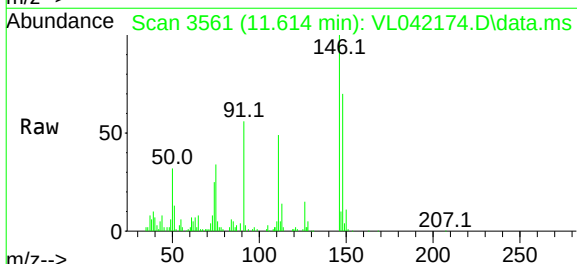
RT: 11.614 min Scan# 3561

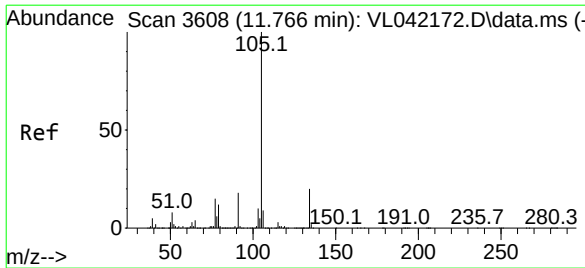
Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

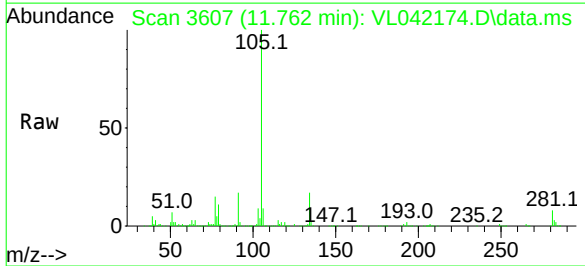
Tgt Ion:	91	Resp:	10660
Ion Ratio	Lower	Upper	
91	100		
126	20.0	13.8	20.6
128	8.0	4.5	6.7





#67
 sec-Butylbenzene
 Concen: 1.095 ppbv
 RT: 11.762 min Scan# 3608
 Delta R.T. -0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

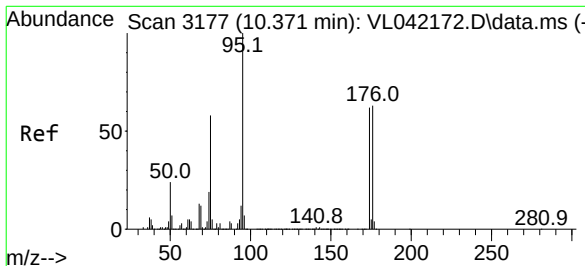
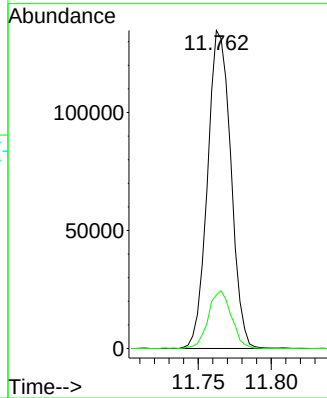
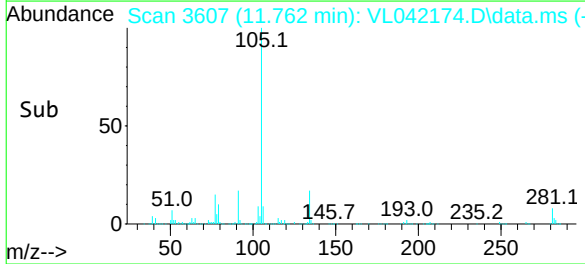
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 105 Resp: 149660
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.5 23.3

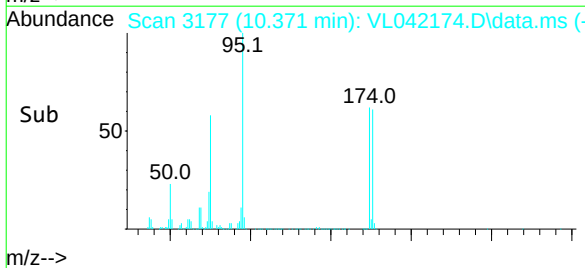
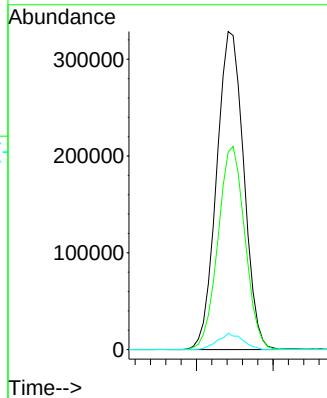
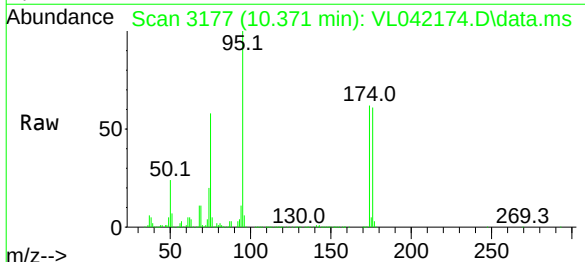
Manual Integrations
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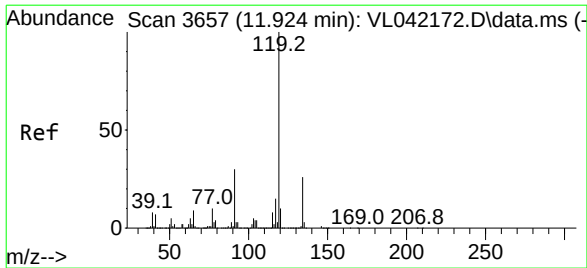
Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.861 ppbv
 RT: 10.371 min Scan# 3177
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Tgt Ion: 95 Resp: 404753
 Ion Ratio Lower Upper
 95 100
 174 63.4 50.6 76.0
 175 4.7 3.8 5.6





#69

p-Isopropyltoluene

Concen: 1.084 ppbv

RT: 11.921 min Scan# 3656

Delta R.T. -0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

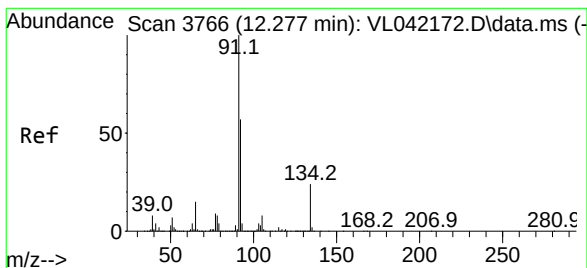
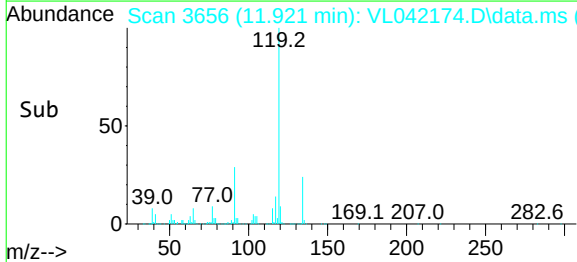
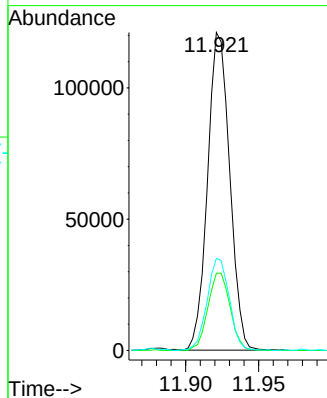
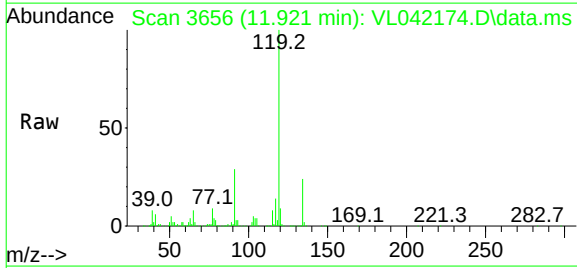
VSTDICC001

Tgt Ion:	119	Resp:	127509
Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.4	30.6
91	30.0	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: 1.079 ppbv

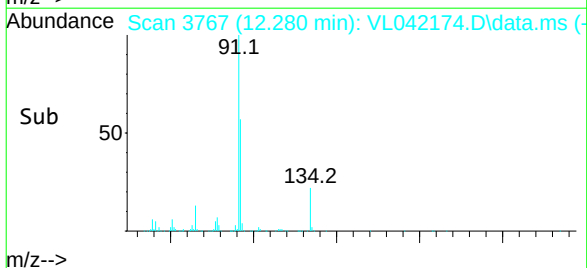
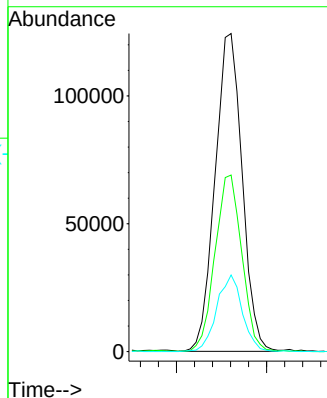
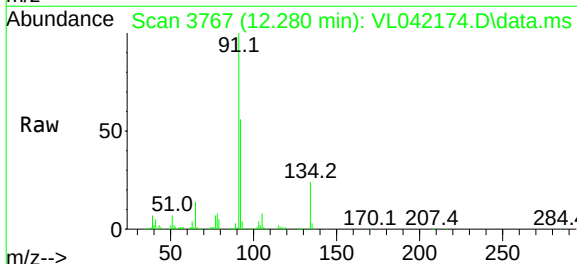
RT: 12.280 min Scan# 3767

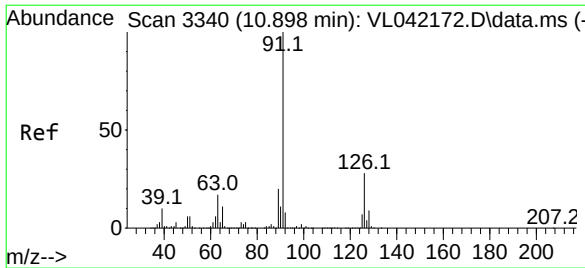
Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:	91	Resp:	129860
Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.9	67.3
134	22.8	19.2	28.8





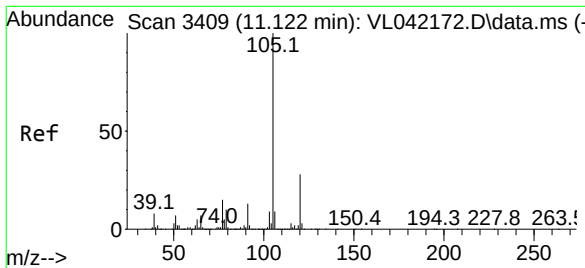
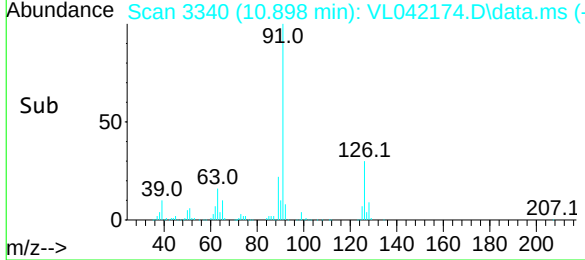
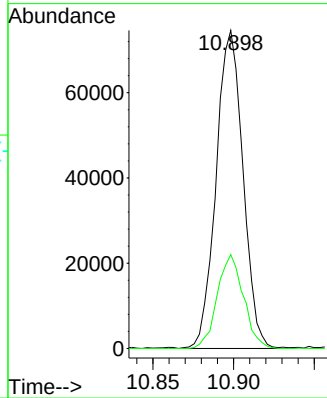
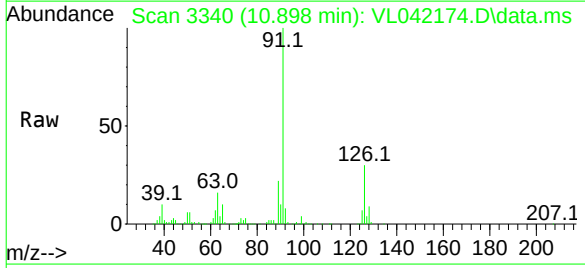
#71
2-Chlorotoluene
Concen: 1.047 ppbv
RT: 10.898 min Scan# 3340
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 86356
Ion Ratio Lower Upper
91 100
126 28.8 11.6 46.4

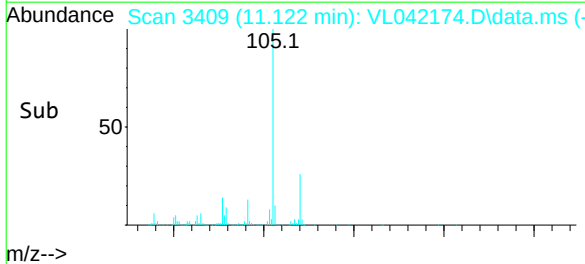
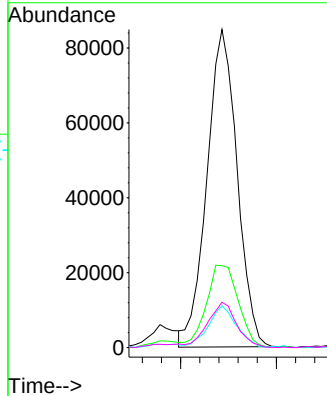
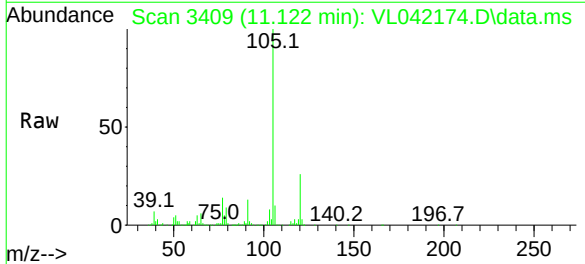
Manual Integrations
APPROVED

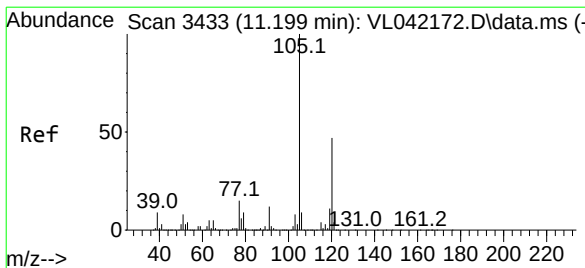
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#72
4-Ethyltoluene
Concen: 1.050 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 92912
Ion Ratio Lower Upper
105 100
120 29.7 23.4 35.0
91 13.5 10.3 15.5
77 15.1 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 1.080 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 83497

Ion Ratio Lower Upper

105 100

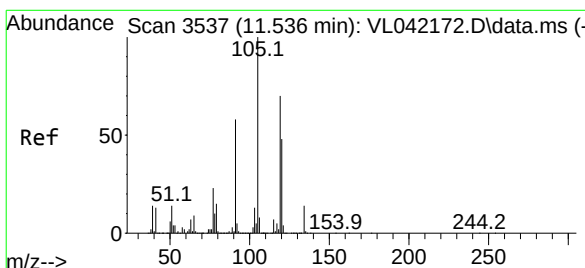
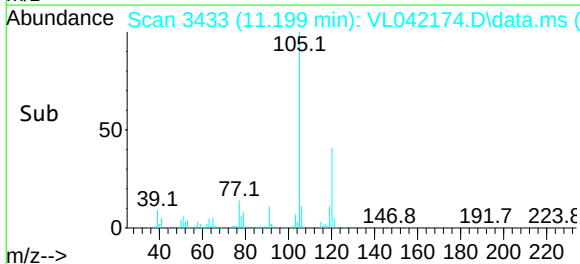
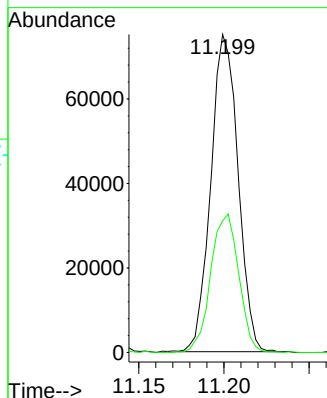
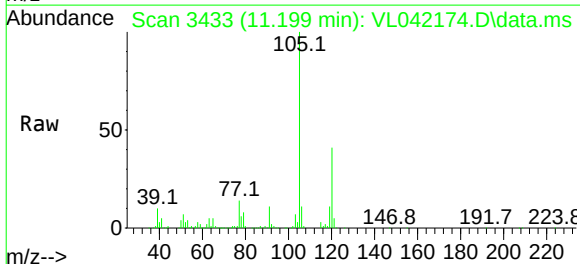
120 41.3 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.099 ppbv

RT: 11.533 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 97858

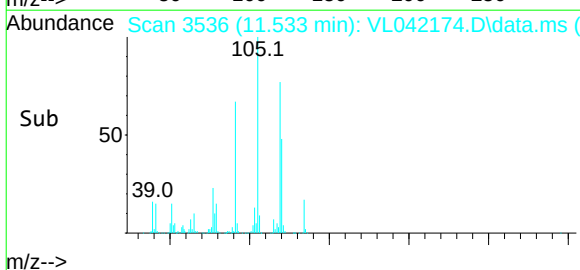
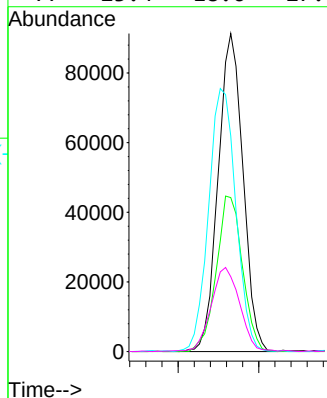
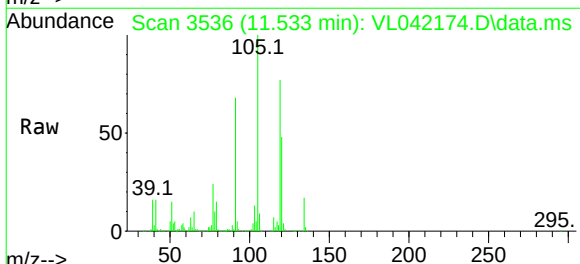
Ion Ratio Lower Upper

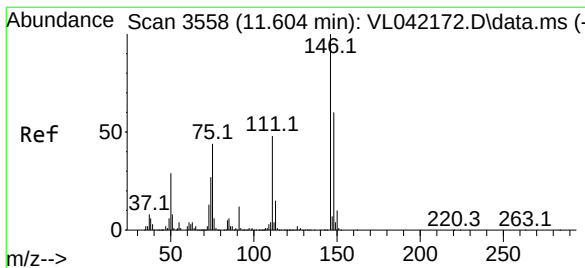
105 100

120 48.4 38.6 58.0

91 67.6 46.2 69.2

77 23.4 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 1.046 ppbv

RT: 11.604 min Scan# 3558

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

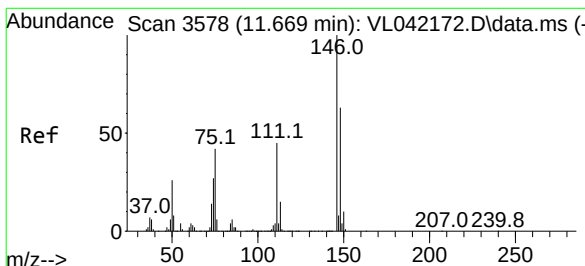
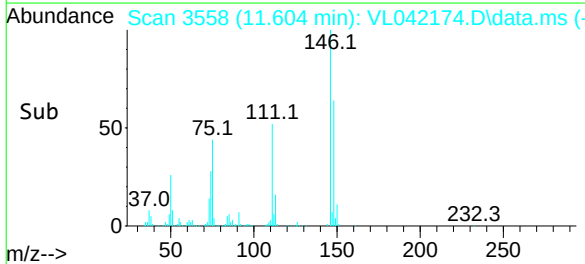
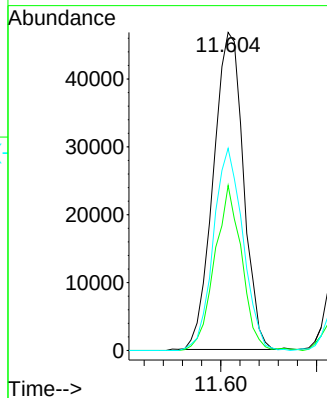
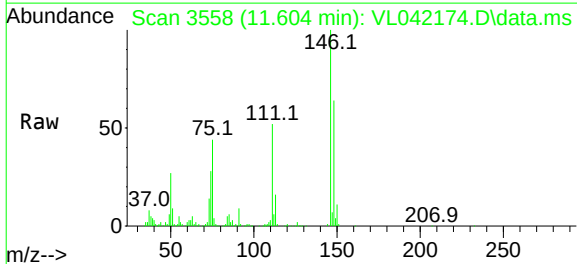
VSTDIC001

Tgt Ion:	146	Resp:	51096
Ion Ratio	Lower	Upper	
146	100		
111	46.8	23.8	71.2
148	62.6	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: 1.046 ppbv

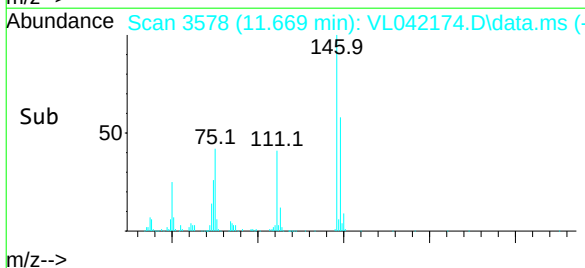
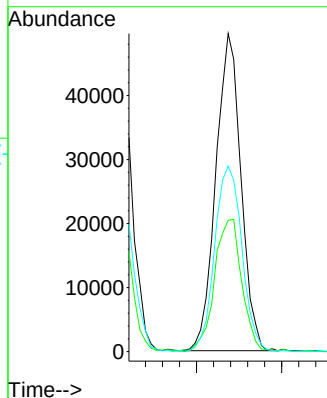
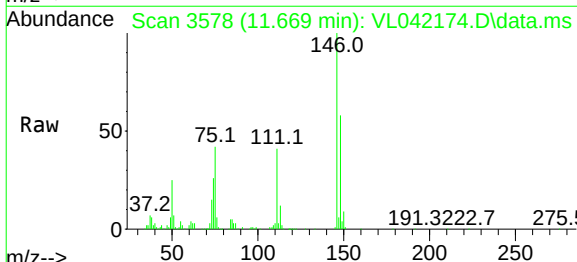
RT: 11.669 min Scan# 3578

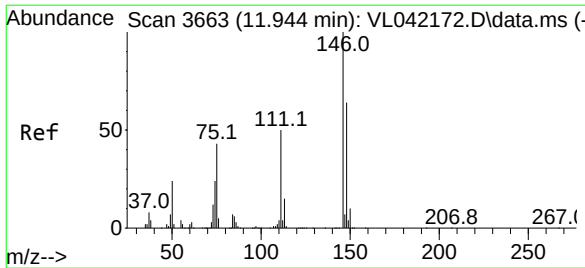
Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:	146	Resp:	50841
Ion Ratio	Lower	Upper	
146	100		
111	45.4	23.0	69.0
148	63.6	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 1.084 ppbv

RT: 11.944 min Scan# 3663

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

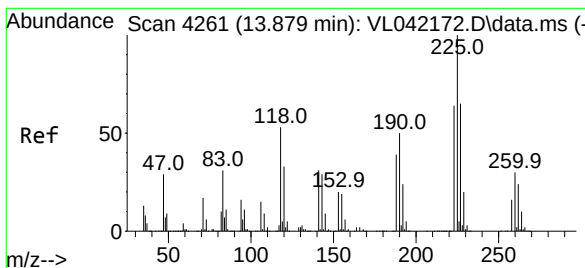
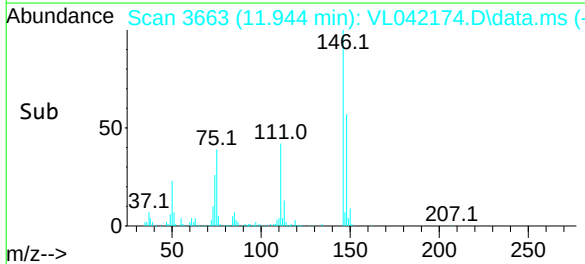
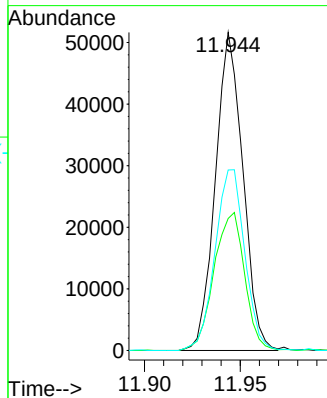
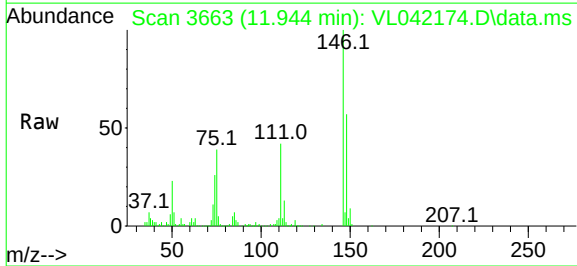
VSTDIC001

Tgt Ion:	146	Resp:	51523
Ion Ratio	Lower	Upper	
146	100		
111	48.6	24.8	74.3
148	61.9	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: 1.149 ppbv

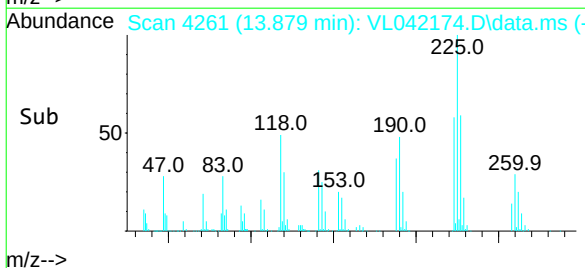
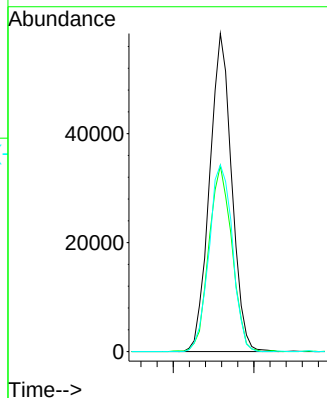
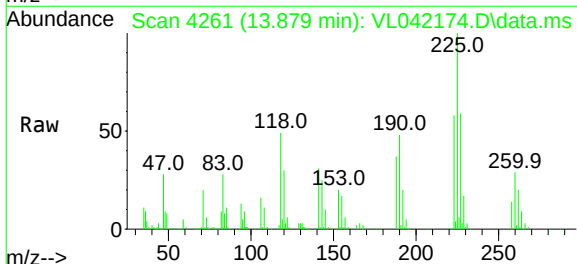
RT: 13.879 min Scan# 4261

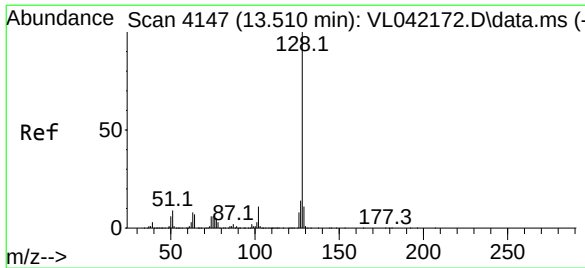
Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:	225	Resp:	55611
Ion Ratio	Lower	Upper	
225	100		
223	60.8	50.6	76.0
227	62.3	51.2	76.8





#79

Naphthalene

Concen: 1.120 ppbv

RT: 13.510 min Scan# 4147

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

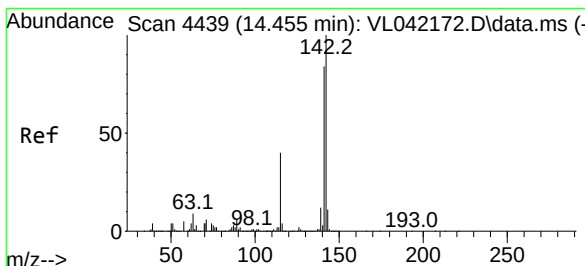
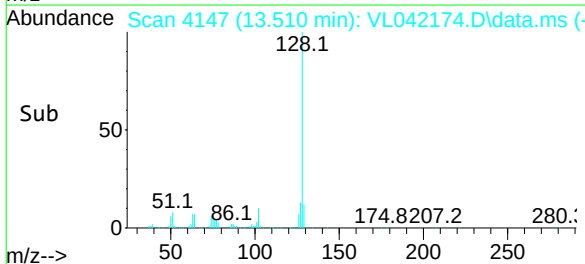
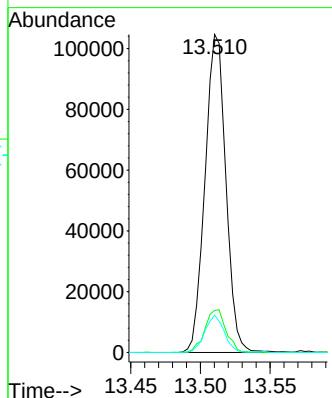
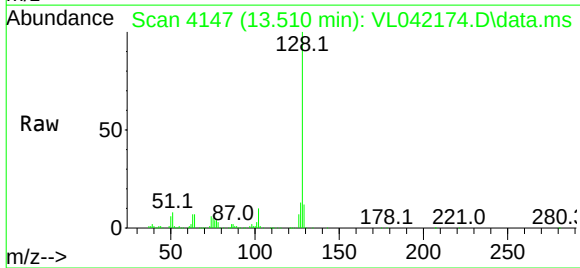
VSTDIC001

Tgt Ion:	128	Resp:	109031
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.8	16.2
129	11.7	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: 0.939 ppbv

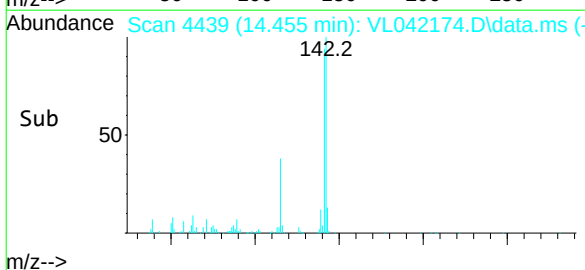
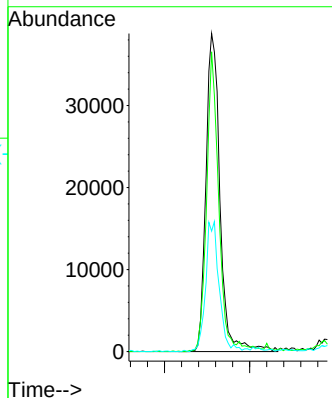
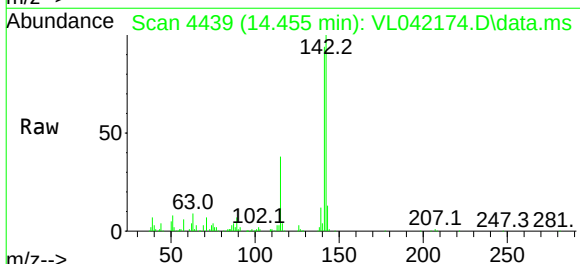
RT: 14.455 min Scan# 4439

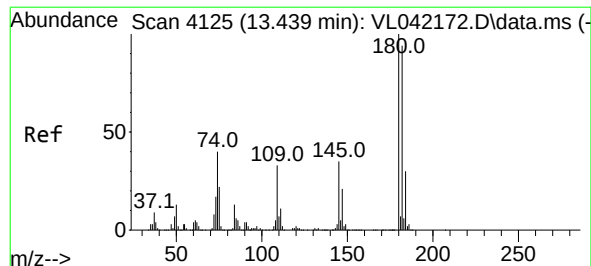
Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:	142	Resp:	44518
Ion Ratio	Lower	Upper	
142	100		
141	83.4	66.3	99.5
115	41.5	31.6	47.4





#81

1,2,4-Trichlorobenzene

Concen: 1.047 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042174.D

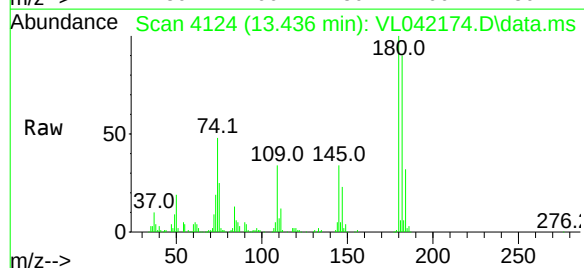
Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001



Tgt Ion:180 Resp: 47040

Ion Ratio Lower Upper

180 100

182 95.7 75.1 112.7

184 31.4 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025

