

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041840.D
 Acq On : 07 Jan 2025 10:21
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 01:21:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M

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

QLast Update : Wed Jan 08 01:18:22 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.803	49	96549	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	232532	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	194086	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.393	95	164226	9.879	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	16559	1.045	ppbv	97
3) Chlorodifluoromethane	1.482	51	15873	1.049	ppbv	100
4) Chloromethane	1.538	50	6729	1.033	ppbv	98
5) Vinyl Chloride	1.586	62	6313	0.961	ppbv	97
6) Bromomethane	1.677	94	2955	1.050	ppbv	96
7) Chloroethane	1.712	64	2579	1.020	ppbv	94
8) Dichlorotetrafluoroethane	1.560	85	13682	1.001	ppbv	98
9) Propene	1.489	41	5371	1.019	ppbv	96
10) Heptane	5.010	43	11328	0.870	ppbv	94
11) Trichlorofluoromethane	1.887	101	16911	1.050	ppbv	91
12) 1,1,2-Trichlorotrifluo...	2.149	101	12386	1.032	ppbv	99
13) Ethanol	1.732	45	696m	1.149	ppbv	
14) Bromoethene	1.790	108	3972	1.011	ppbv #	93
15) Acetone	1.845	43	20021	1.126	ppbv	99
16) 1,3-Butadiene	1.615	39	7124	1.022	ppbv	99
17) tert-Butyl alcohol	2.052	59	16296	1.058	ppbv	98
18) 1,1-Dichloroethene	2.046	96	5187	1.033	ppbv	99
19) Isopropyl Alcohol	1.897	45	9089	1.089	ppbv #	1
20) Methylene Chloride	2.072	84	5540	1.090	ppbv	94
21) Allyl Chloride	2.107	41	9314	1.017	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	5931	1.057	ppbv	97
23) Vinyl Acetate	2.476	43	5463	0.958	ppbv #	96
24) 1,1-Dichloroethane	2.424	63	12403	1.009	ppbv	98
25) Ethyl Acetate	2.855	43	28818	0.967	ppbv	96
26) Hexane	2.842	57	9441	0.913	ppbv	81
27) Carbon Disulfide	2.162	76	8674	0.883	ppbv #	51
28) Methyl tert-Butyl Ether	2.453	73	8132	1.043	ppbv	94
29) Chloroform	2.865	83	20041	1.043	ppbv	96
30) Cyclohexane	3.881	84	6949	0.885	ppbv	94
31) cis-1,2-Dichloroethene	2.735	61	10514	0.987	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	16717	0.960	ppbv	100
34) 2-Butanone	2.573	43	17859	0.975	ppbv	99
35) Carbon Tetrachloride	3.787	117	15937	0.907	ppbv	98
36) Benzene	3.677	78	21504	0.968	ppbv	94
37) 1,2-Dichloroethane	3.237	62	14318	0.980	ppbv	97
38) Trichloroethene	4.583	130	8206m	0.942	ppbv	
39) 1,2-Dichloropropane	4.337	63	8600m	1.001	ppbv	
40) 1,4-Dioxane	4.625	88	3125m	0.939	ppbv	
41) Tetrahydrofuran	3.081	42	7497	0.868	ppbv	98
42) Bromodichloromethane	4.522	83	15637	0.913	ppbv #	90
43) Methyl Methacrylate	4.910	69	5953m	0.853	ppbv	
44) 2,2,4-Trimethylpentane	4.677	57	32898	0.899	ppbv	91
45) t-1,3-Dichloropropene	6.451	75	5502	0.808	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 01:21:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M

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

QLast Update : Wed Jan 08 01:18:22 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	7644m	0.853	ppbv	
47) 1,1,2-Trichloroethane	6.616	97	9034m	0.994	ppbv	
48) Dibromochloromethane	7.418	129	9977	0.862	ppbv	98
49) Bromoform	9.500	173	7621	0.822	ppbv	99
50) 4-Methyl-2-Pentanone	5.803	43	18288m	0.864	ppbv	
51) 2-Hexanone	7.477	43	11832	0.738	ppbv #	100
52) Tetrachloroethene	8.247	164	6903m	1.048	ppbv	
53) Toluene	6.962	91	16301m	0.824	ppbv	
54) 1,2-Dibromoethane	7.681	107	10719	0.963	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.943	131	10939	0.989	ppbv #	1
57) Chlorobenzene	8.946	112	20695	1.021	ppbv	95
58) Ethyl Benzene	9.377	91	20575	0.778	ppbv #	86
59) m/p-Xylene	9.574	91	37403m	1.601	ppbv	
60) o-Xylene	9.985	91	17740	0.781	ppbv	95
61) Styrene	9.888	104	6320	0.717	ppbv	96
62) Isopropylbenzene	10.558	105	29086	0.815	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.982	83	18845	0.946	ppbv	96
64) n-propylbenzene	11.008	120	7978	0.871	ppbv	96
65) tert-Butylbenzene	11.548	119	27703	0.862	ppbv	99
66) Benzyl Chloride	11.633	91	2320	0.863	ppbv	97
67) sec-Butylbenzene	11.785	105	41306	0.880	ppbv	97
69) p-Isopropyltoluene	11.943	119	30189	0.820	ppbv	98
70) n-Butylbenzene	12.299	91	30246	0.817	ppbv	99
71) 2-Chlorotoluene	10.917	91	21930	0.847	ppbv	98
72) 4-Ethyltoluene	11.144	105	21421	0.780	ppbv	97
73) 1,3,5-Trimethylbenzene	11.222	105	19547	0.813	ppbv	98
74) 1,2,4-Trimethylbenzene	11.555	105	24542	0.881	ppbv	97
75) 1,3-Dichlorobenzene	11.626	146	18815	1.009	ppbv	98
76) 1,4-Dichlorobenzene	11.691	146	16488	0.919	ppbv	95
77) 1,2-Dichlorobenzene	11.963	146	19852	1.021	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	14814	1.074	ppbv	99
79) Naphthalene	13.529	128	16677	0.812	ppbv #	96
80) Naphthalene,2-methyl-	14.474	142	5705	0.751	ppbv	97
81) 1,2,4-Trichlorobenzene	13.455	180	10080	0.886	ppbv	99

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

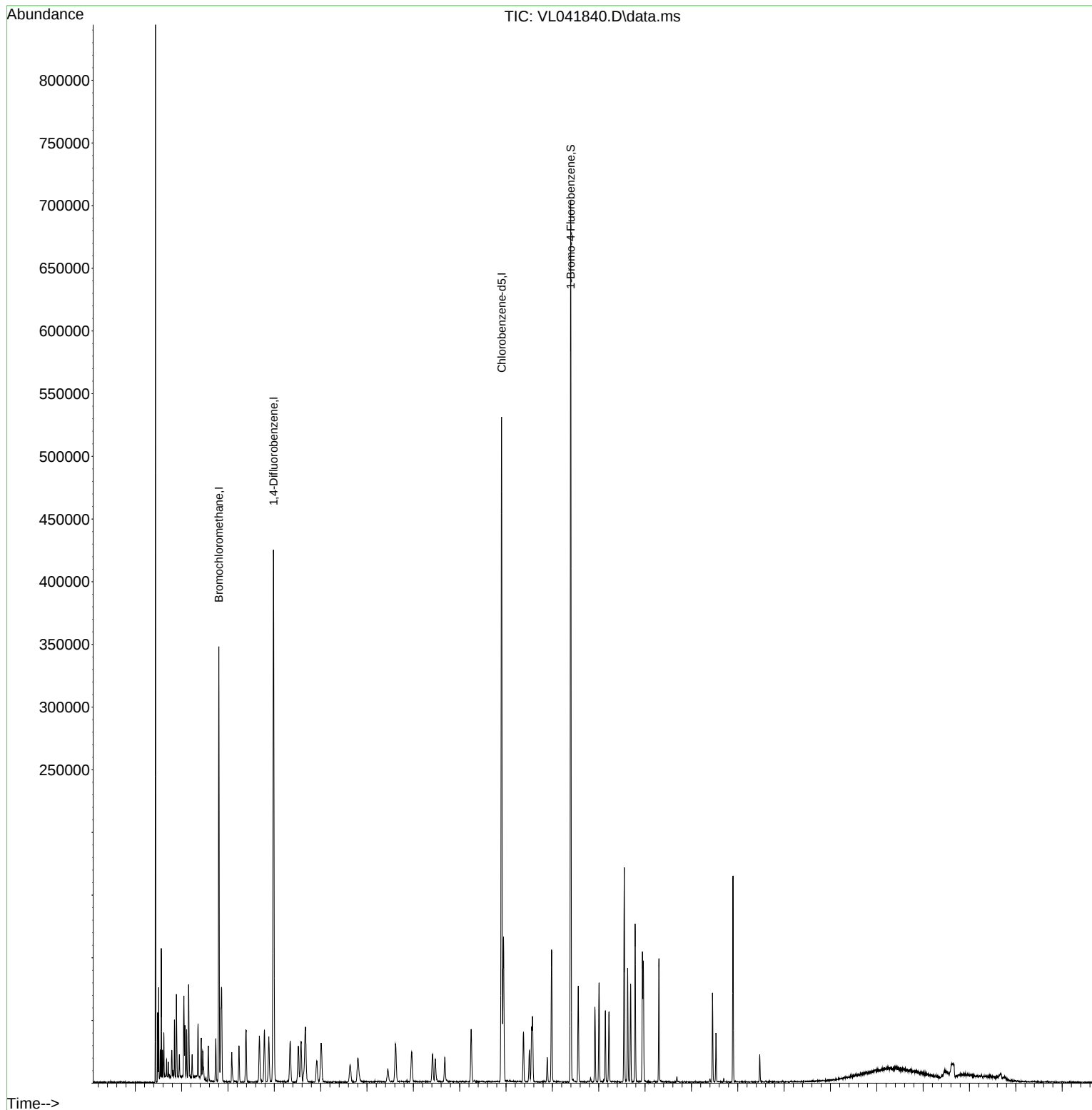
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
Data File : VL041840.D
Acq On : 07 Jan 2025 10:21
Operator : SY/MD
Sample : VSTDIC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

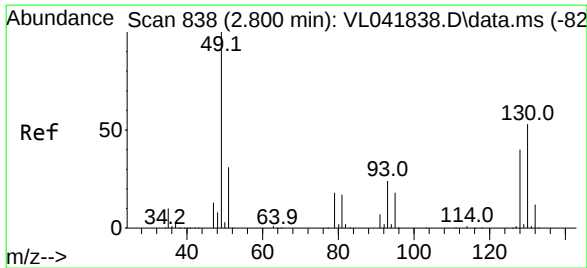
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 01:21:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 01:18:22 2025
Response via : Initial Calibration





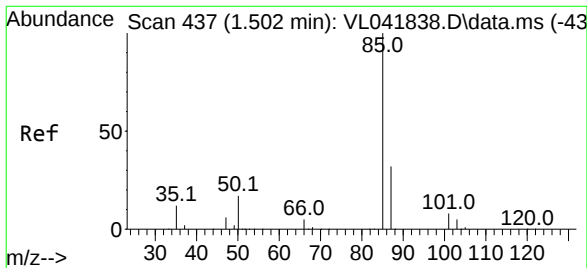
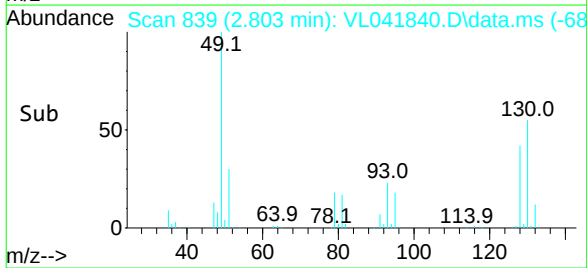
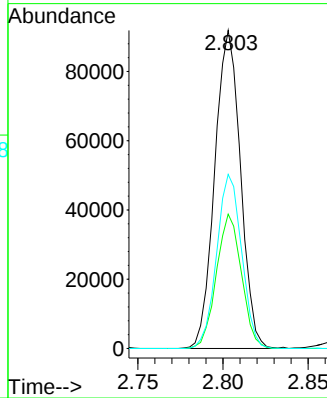
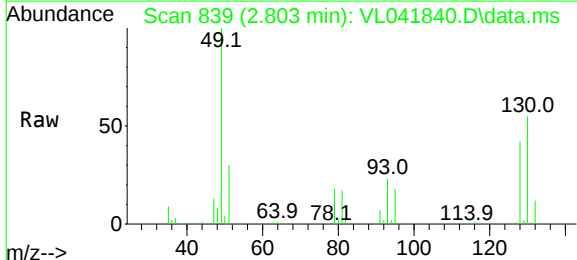
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 838
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

Tgt Ion: 49 Resp: 96549
Ion Ratio Lower Upper
49 100
128 41.1 19.7 59.1
130 53.0 26.4 79.2

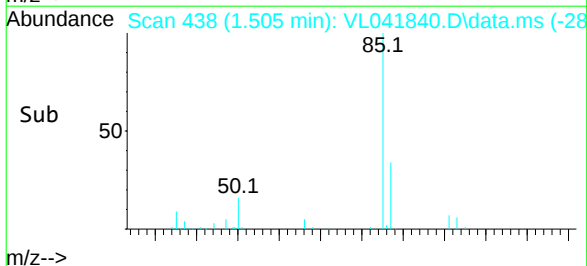
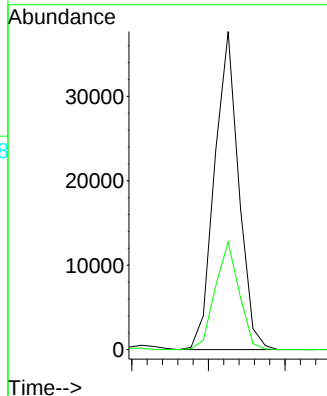
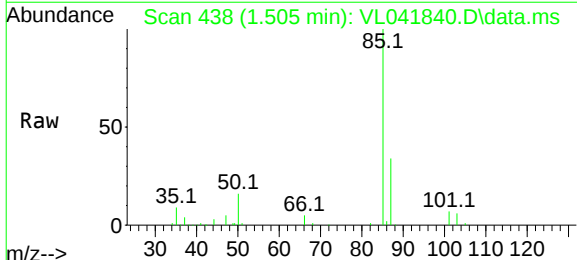
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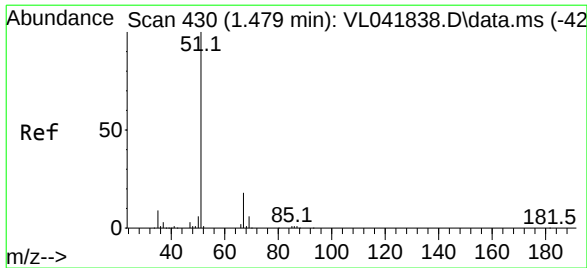
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#2
Dichlorodifluoromethane
Concen: 1.045 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Tgt Ion: 85 Resp: 16559
Ion Ratio Lower Upper
85 100
87 33.9 25.6 38.4





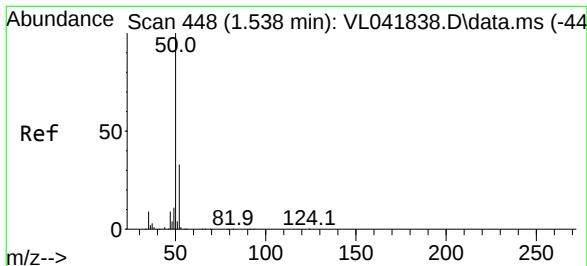
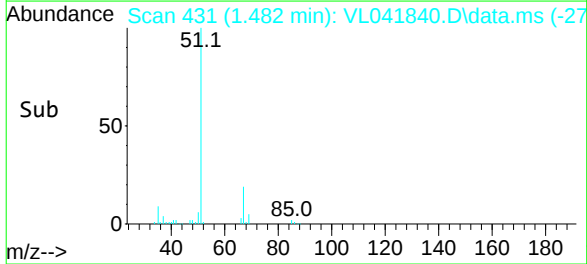
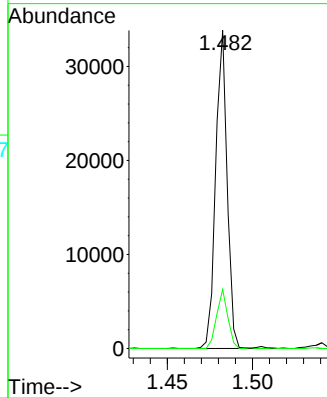
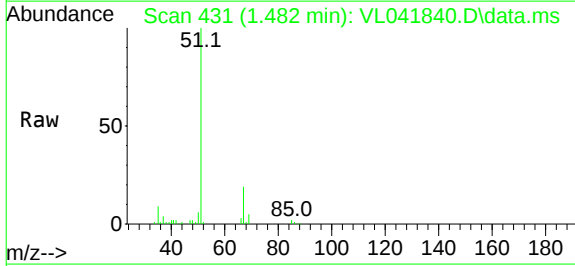
#3
Chlorodifluoromethane
Concen: 1.049 ppbv
RT: 1.482 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 15873
Ion Ratio Lower Upper
51 100
67 18.1 14.6 22.0

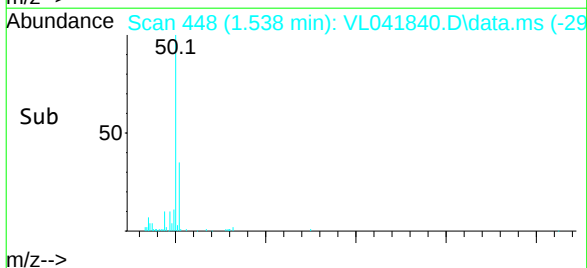
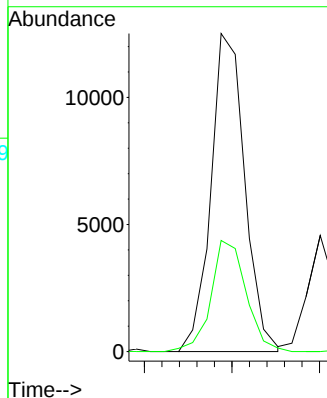
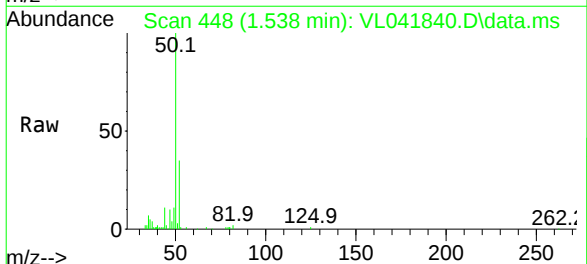
Manual Integrations
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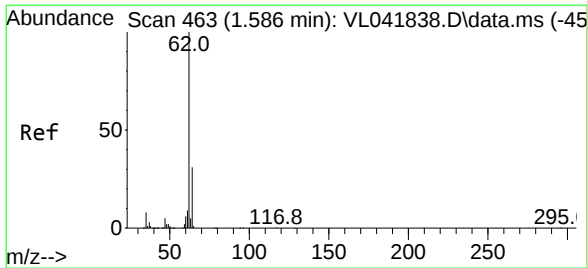
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#4
Chloromethane
Concen: 1.033 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Tgt Ion: 50 Resp: 6729
Ion Ratio Lower Upper
50 100
52 33.9 26.1 39.1





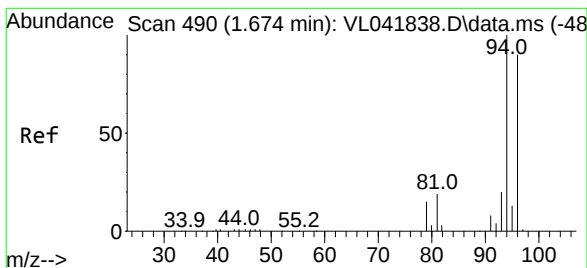
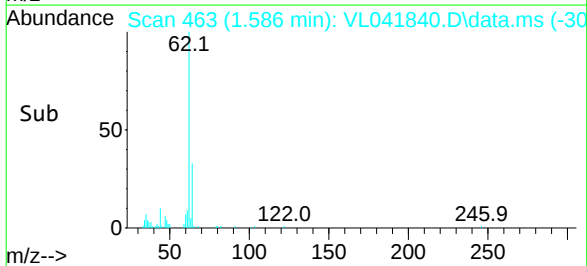
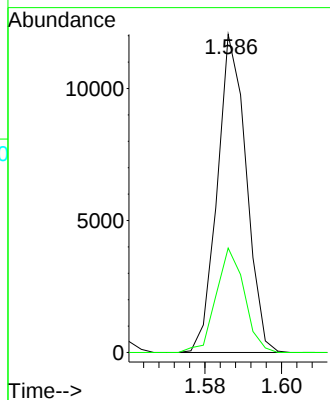
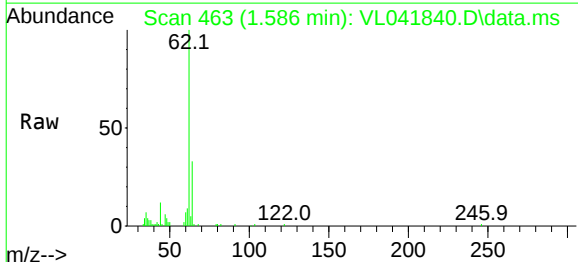
#5
 Vinyl Chloride
 Concen: 0.961 ppbv
 RT: 1.586 min Scan# 463
 Delta R.T. -0.000 min
 Lab File: VL041840.D
 Acq: 07 Jan 2025 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion: 62 Resp: 6313
 Ion Ratio Lower Upper
 62 100
 64 32.8 24.9 37.3

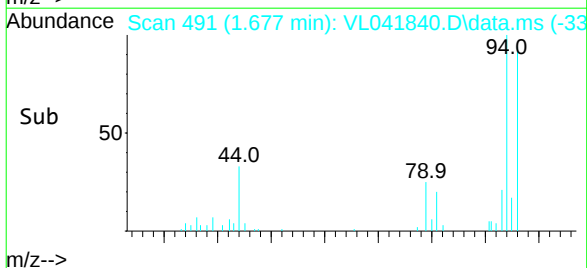
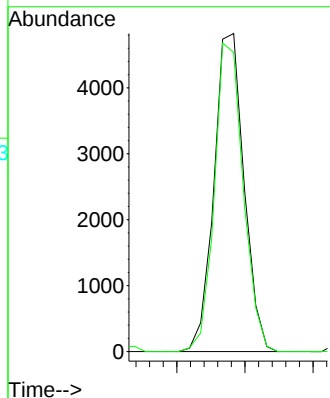
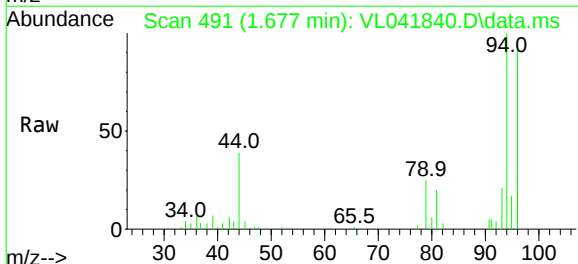
Manual Integrations
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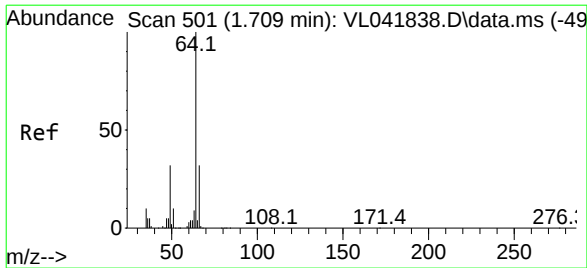
Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025



#6
 Bromomethane
 Concen: 1.050 ppbv
 RT: 1.677 min Scan# 491
 Delta R.T. 0.003 min
 Lab File: VL041840.D
 Acq: 07 Jan 2025 10:21

Tgt Ion: 94 Resp: 2955
 Ion Ratio Lower Upper
 94 100
 96 94.1 72.0 108.0





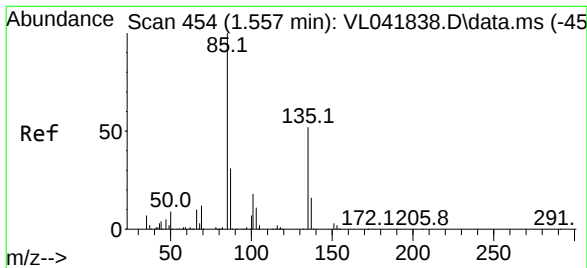
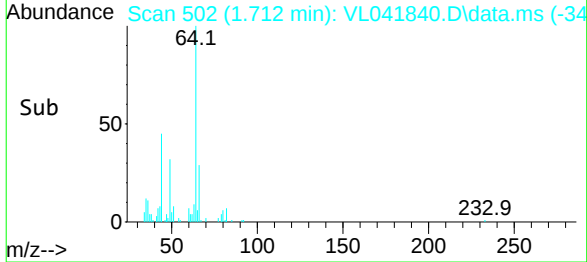
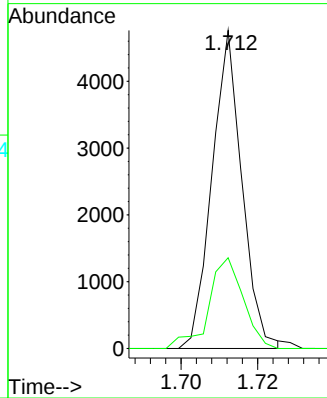
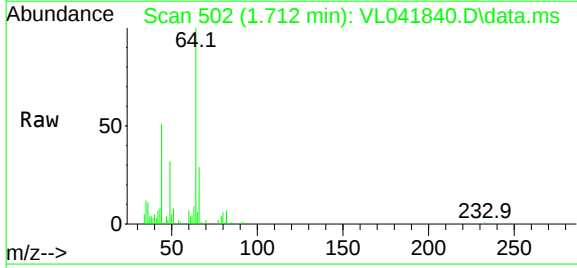
#7
Chloroethane
Concen: 1.020 ppbv
RT: 1.712 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 2579
Ion Ratio Lower Upper
64 100
66 28.5 25.6 38.4

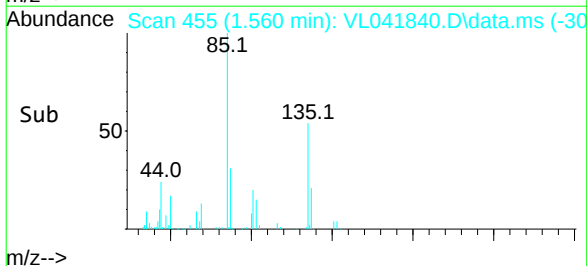
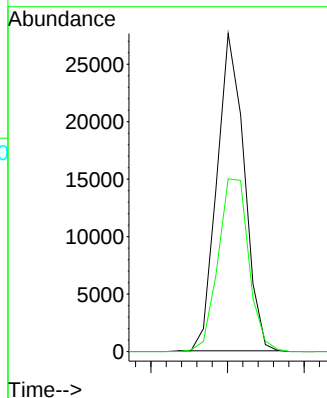
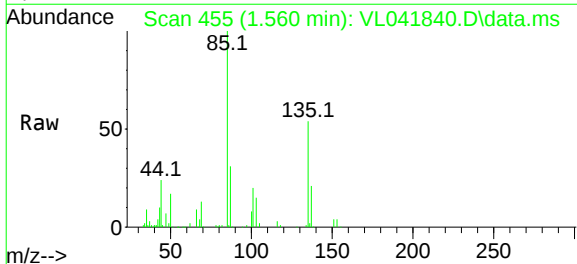
Manual Integrations
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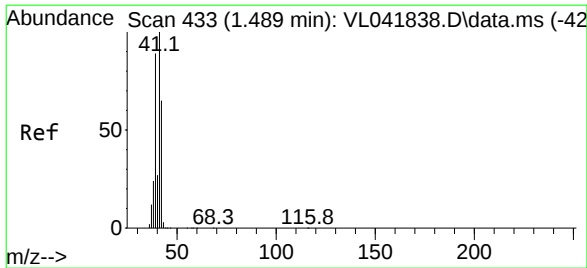
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#8
Dichlorotetrafluoroethane
Concen: 1.001 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Tgt Ion: 85 Resp: 13682
Ion Ratio Lower Upper
85 100
135 61.4 47.9 71.9





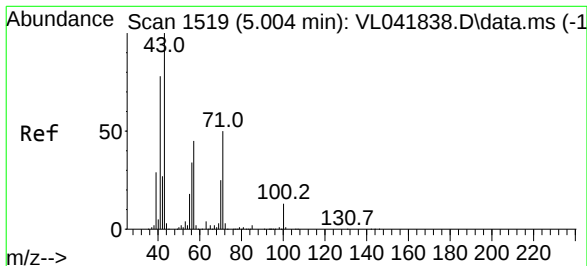
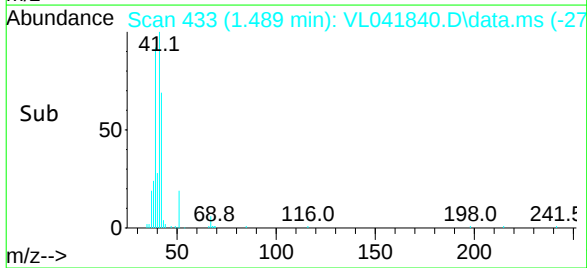
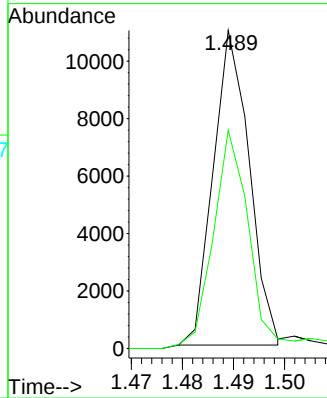
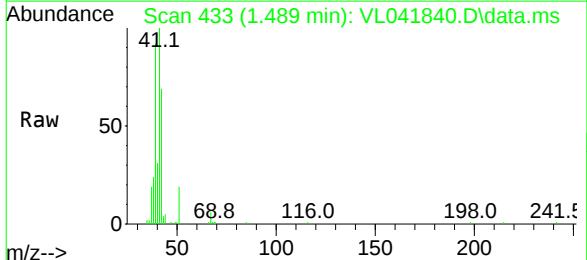
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Propene
Concen: 1.019 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.000 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 41 Resp: 5371
Ion Ratio Lower Upper
41 100
42 70.7 53.9 80.9

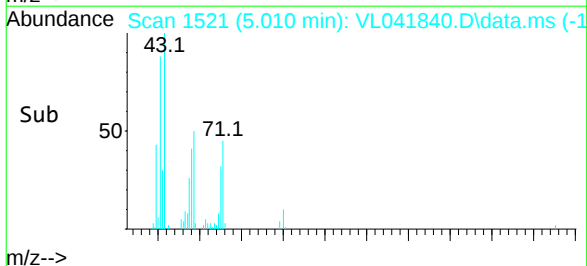
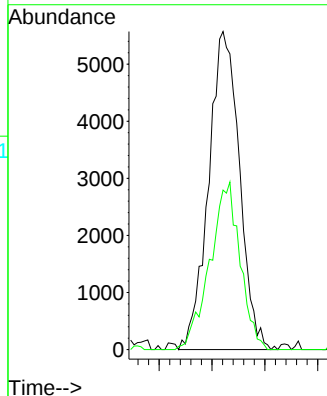
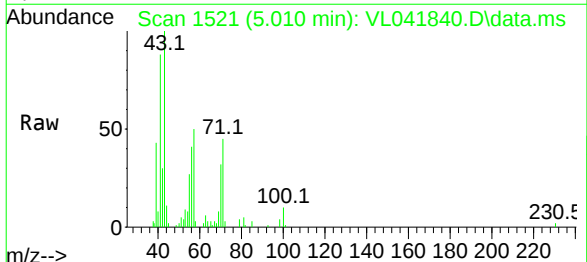
Manual Integrations
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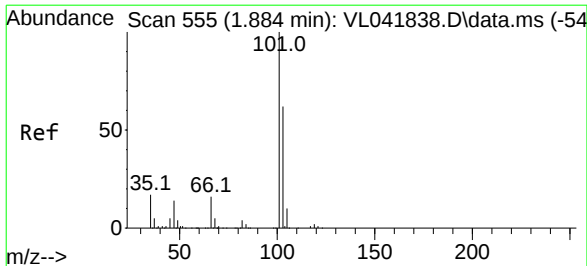
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#10
Heptane
Concen: 0.870 ppbv
RT: 5.010 min Scan# 1521
Delta R.T. 0.006 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Tgt Ion: 43 Resp: 11328
Ion Ratio Lower Upper
43 100
57 51.3 37.8 56.6





#11

Trichlorofluoromethane

Concen: 1.050 ppbv

RT: 1.887 min Scan# 555

Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:101 Resp: 16911

Ion Ratio Lower Upper

101 100

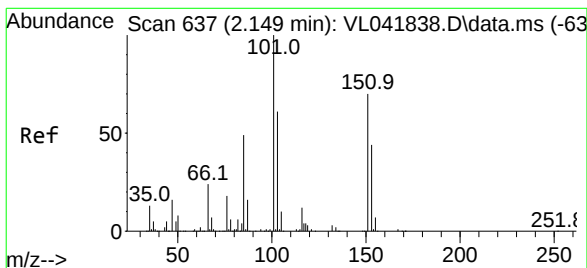
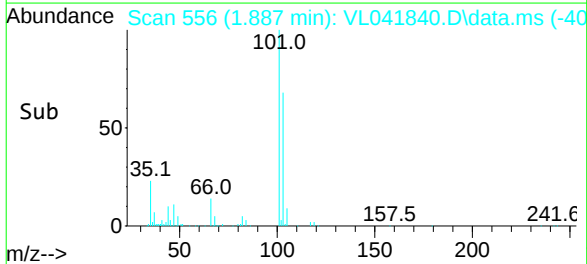
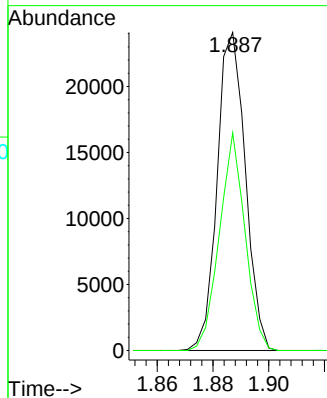
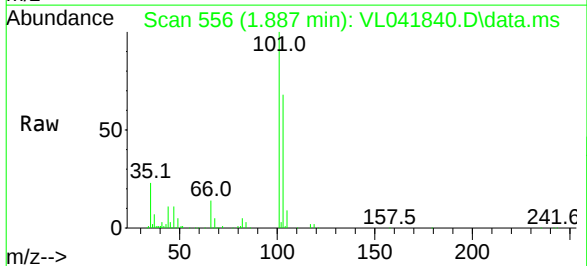
103 68.4 49.4 74.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025

Supervised By :Mahesh Dadoda 01/09/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.032 ppbv

RT: 2.149 min Scan# 637

Delta R.T. -0.000 min

Lab File: VL041840.D

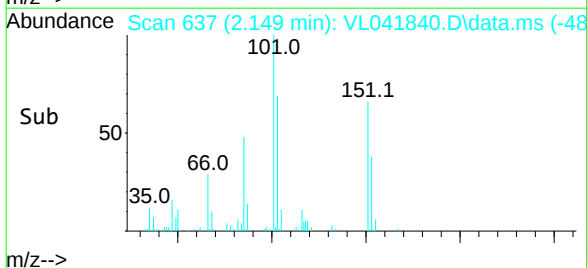
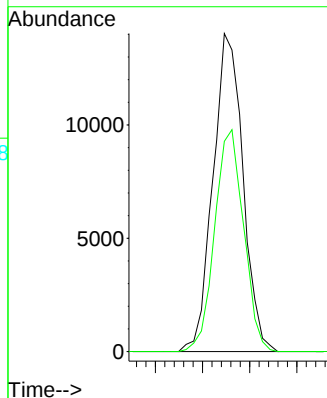
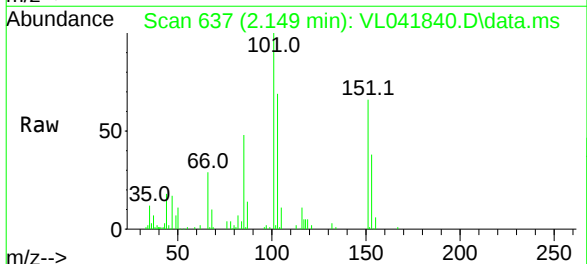
Acq: 07 Jan 2025 10:21

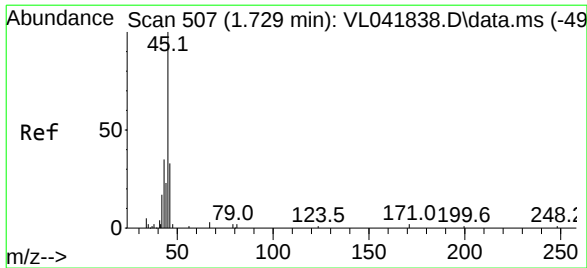
Tgt Ion:101 Resp: 12386

Ion Ratio Lower Upper

101 100

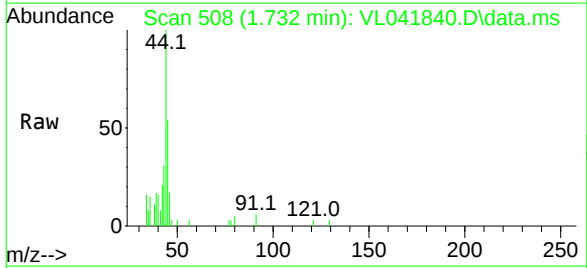
151 67.5 53.2 79.8





#13
Ethanol
Concen: 1.149 ppbv m
RT: 1.732 min Scan# 508
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

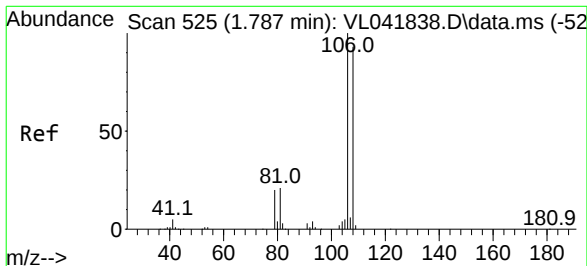
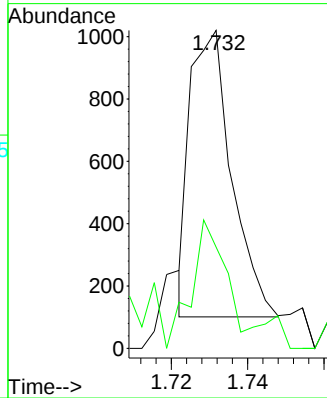
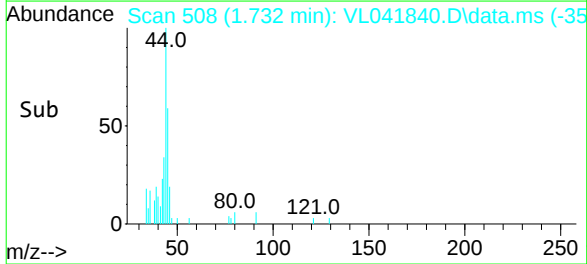
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



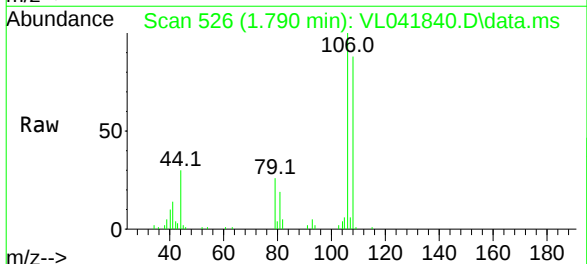
Tgt Ion: 45 Resp: 696
Ion Ratio Lower Upper
45 100
46 58.3 14.6 58.2#

Manual Integrations
APPROVED

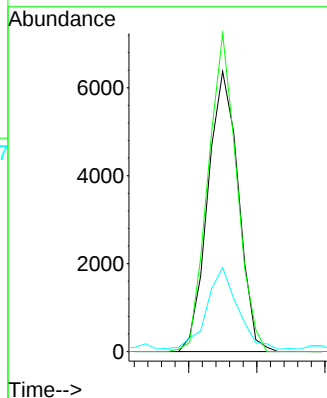
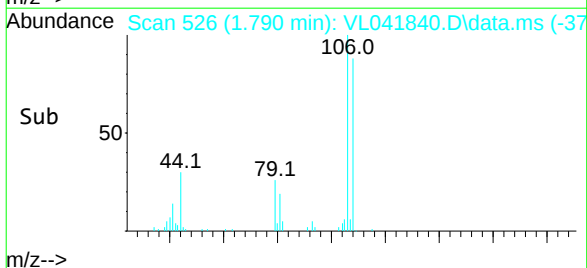
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

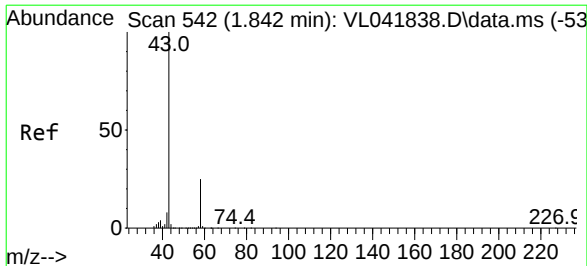


#14
Bromoethene
Concen: 1.011 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21



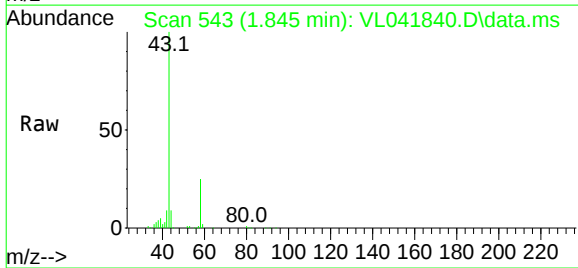
Tgt Ion:108 Resp: 3972
Ion Ratio Lower Upper
108 100
106 106.8 84.6 126.8
79 40.8 18.3 27.5#





#15
Acetone
Concen: 1.126 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

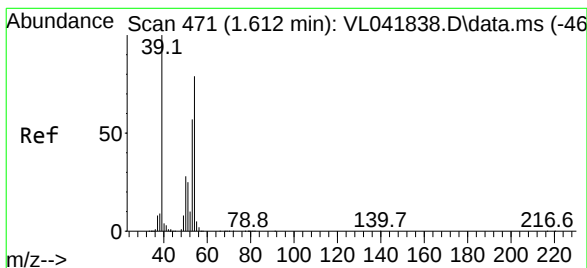
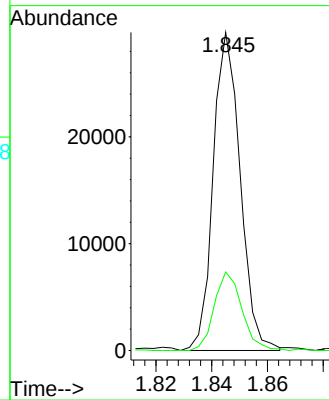
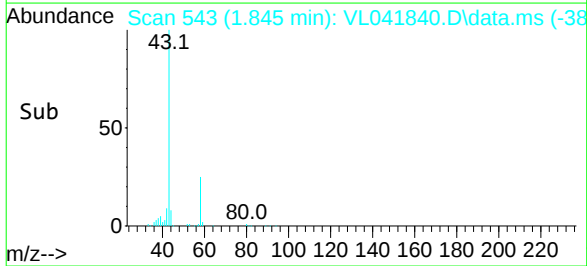
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



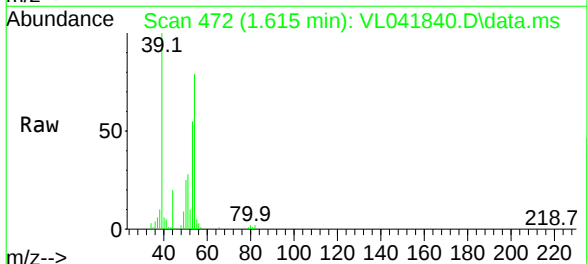
Tgt Ion: 43 Resp: 20021
Ion Ratio Lower Upper
43 100
58 25.7 20.2 30.4

Manual Integrations
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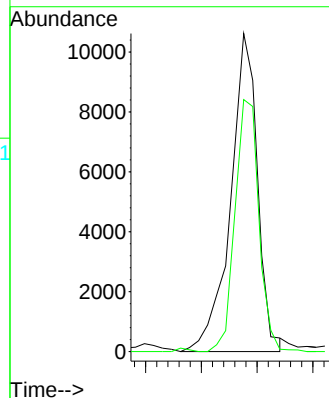
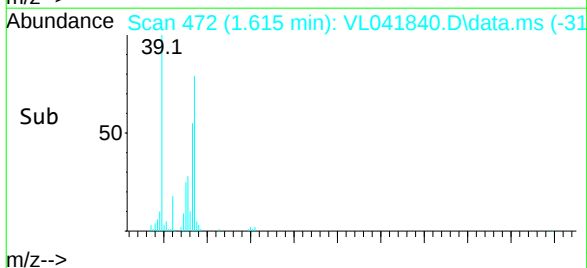
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

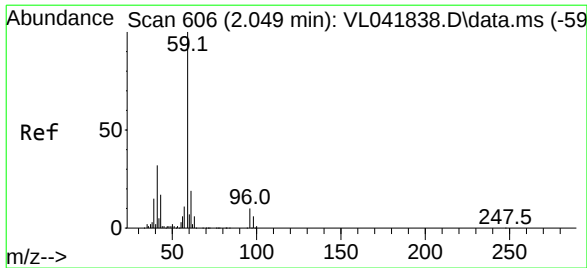


#16
1,3-Butadiene
Concen: 1.022 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21



Tgt Ion: 39 Resp: 7124
Ion Ratio Lower Upper
39 100
54 70.8 56.2 84.4





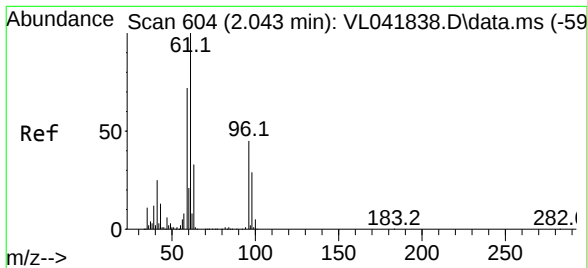
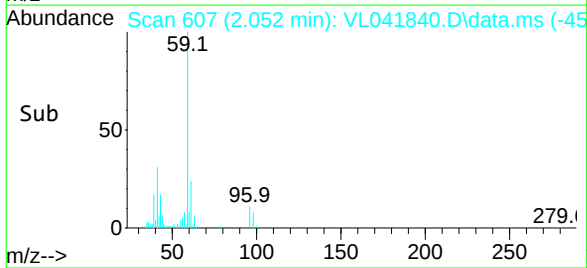
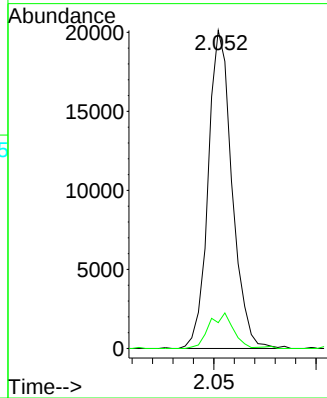
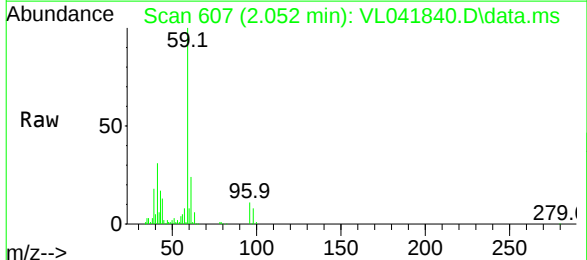
#17
tert-Butyl alcohol
Concen: 1.058 ppbv
RT: 2.052 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 59 Resp: 16296
Ion Ratio Lower Upper
59 100
57 11.6 8.6 13.0

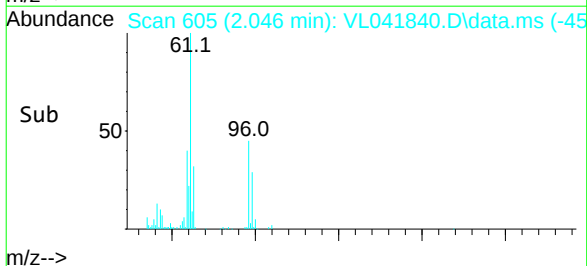
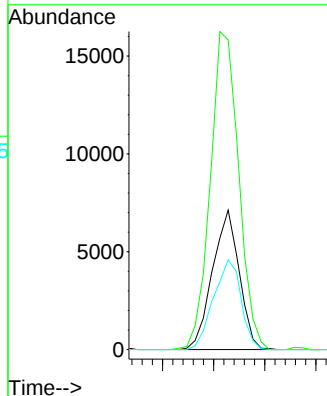
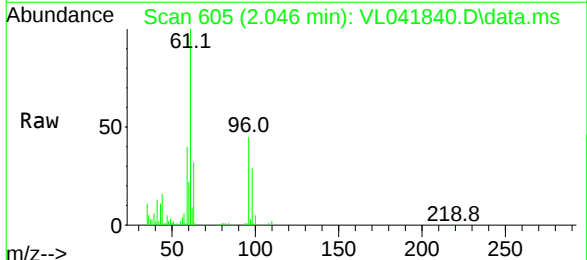
Manual Integrations
APPROVED

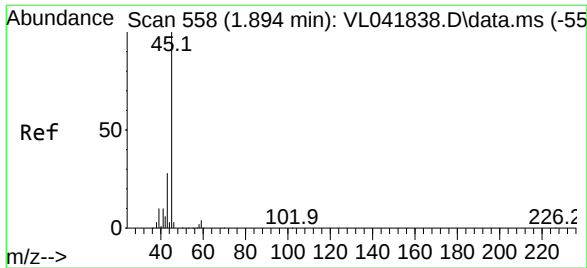
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#18
1,1-Dichloroethene
Concen: 1.033 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Tgt Ion: 96 Resp: 5187
Ion Ratio Lower Upper
96 100
61 222.2 179.2 268.8
98 64.4 51.6 77.4





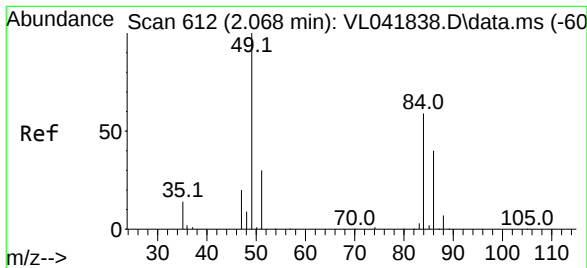
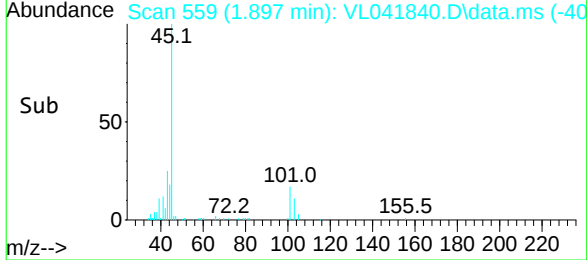
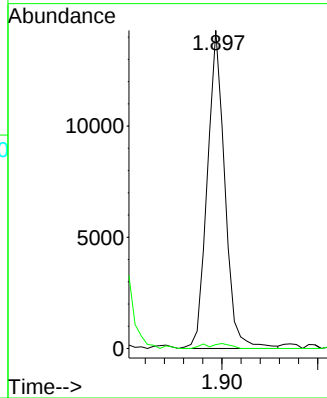
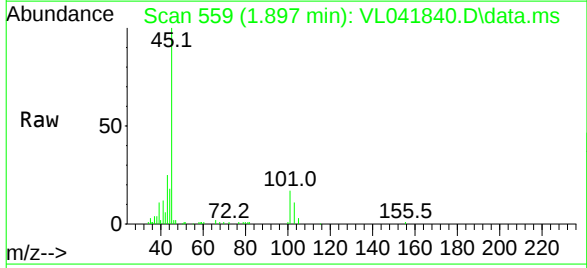
#19
Isopropyl Alcohol
Concen: 1.089 ppbv
RT: 1.897 min Scan# 558
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 9089
Ion Ratio Lower Upper
45 100
58 56.5 2.1 3.1#

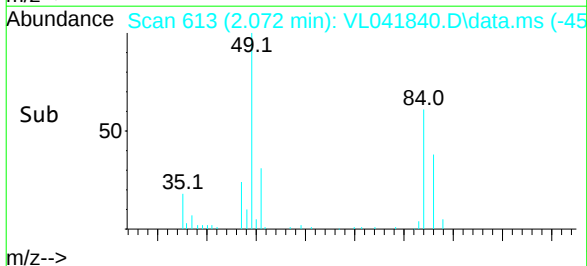
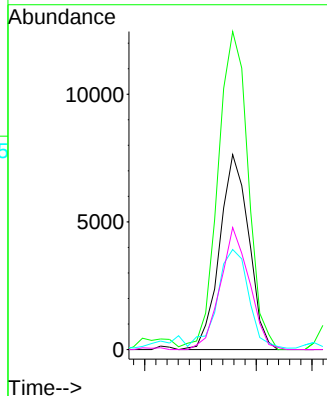
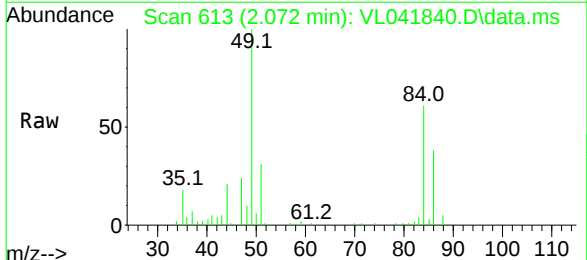
Manual Integrations
APPROVED

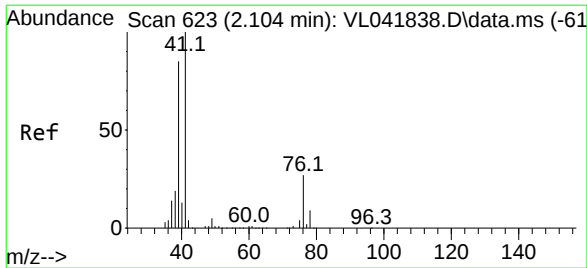
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#20
Methylene Chloride
Concen: 1.090 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Tgt Ion: 84 Resp: 5540
Ion Ratio Lower Upper
84 100
49 163.1 137.8 206.8
51 50.8 43.9 65.9
86 62.6 53.9 80.9





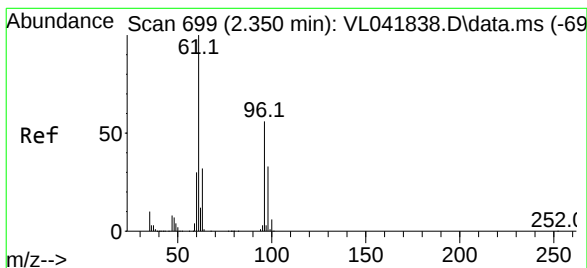
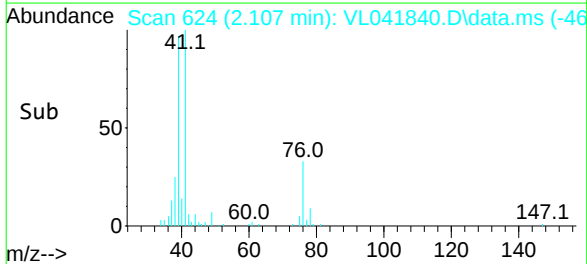
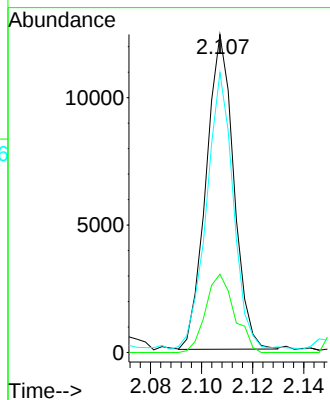
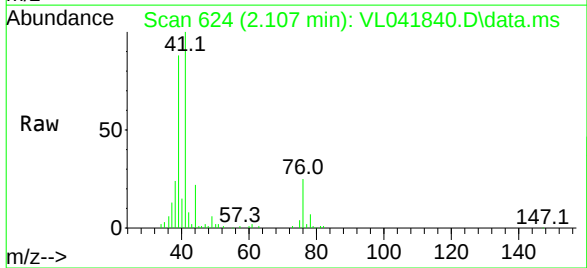
#21
 Allyl Chloride
 Concen: 1.017 ppbv
 RT: 2.107 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VL041840.D
 Acq: 07 Jan 2025 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:	41	Resp:	9314
Ion	Ratio	Lower	Upper
41	100		
76	25.7	20.6	31.0
39	85.6	67.0	100.6

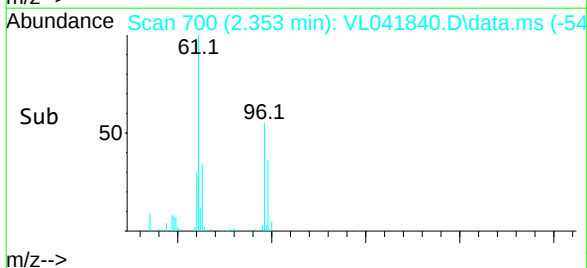
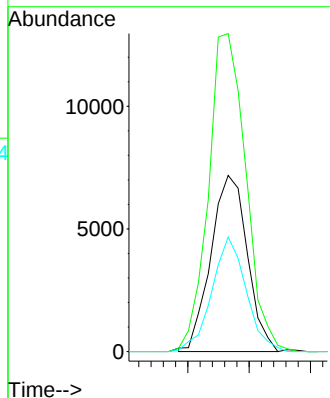
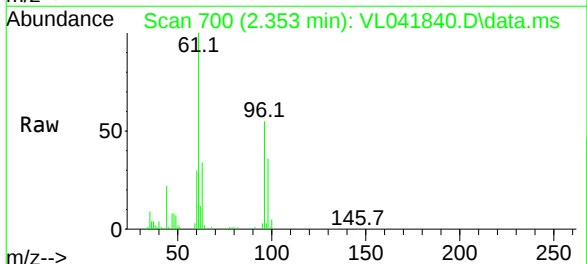
Manual Integrations
 APPROVED

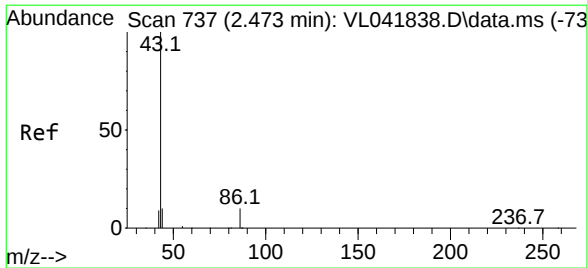
Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025



#22
 trans-1,2-Dichloroethene
 Concen: 1.057 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.003 min
 Lab File: VL041840.D
 Acq: 07 Jan 2025 10:21

Tgt Ion:	96	Resp:	5931
Ion	Ratio	Lower	Upper
96	100		
61	178.6	144.0	216.0
98	64.2	46.9	70.3





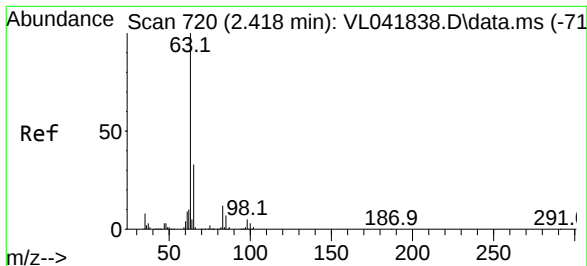
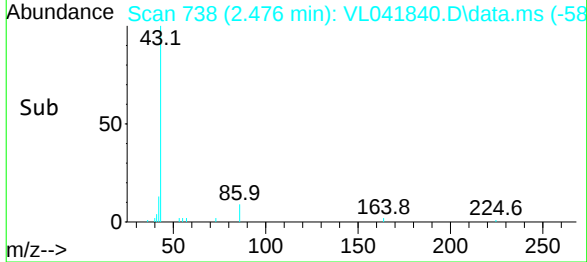
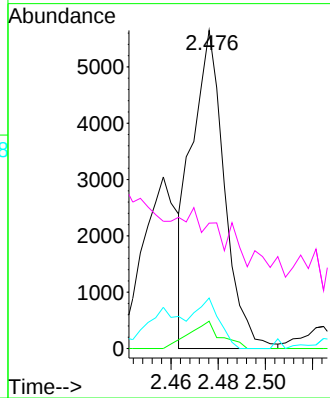
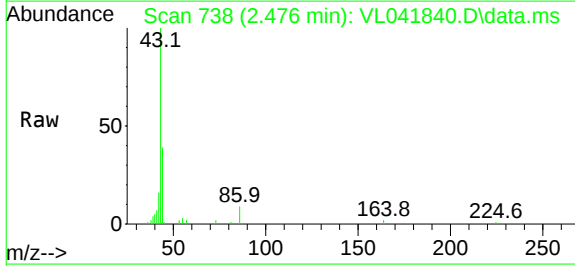
#23
 Vinyl Acetate
 Concen: 0.958 ppbv
 RT: 2.476 min Scan# 737
 Delta R.T. 0.003 min
 Lab File: VL041840.D
 Acq: 07 Jan 2025 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 43	Resp: 5463
Ion Ratio	Lower Upper
43 100	
86 8.7	6.4 9.6
42 13.0	9.5 14.3
44 10.7	6.7 10.1#

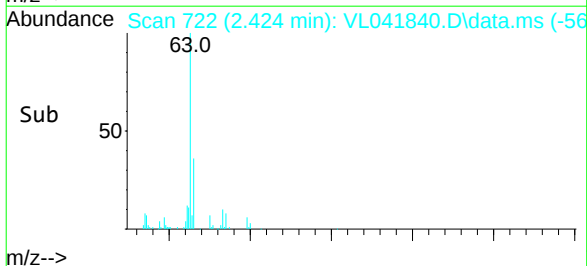
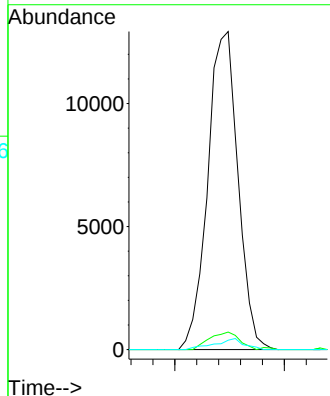
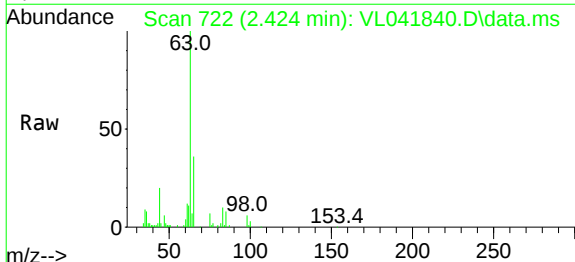
Manual Integrations
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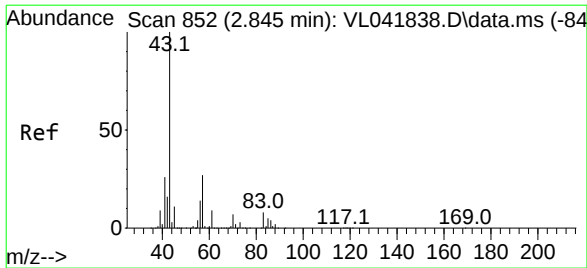
Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025



#24
 1,1-Dichloroethane
 Concen: 1.009 ppbv
 RT: 2.424 min Scan# 722
 Delta R.T. 0.006 min
 Lab File: VL041840.D
 Acq: 07 Jan 2025 10:21

Tgt Ion: 63	Resp: 12403
Ion Ratio	Lower Upper
63 100	
98 5.5	2.3 6.9
100 2.9	1.4 4.0





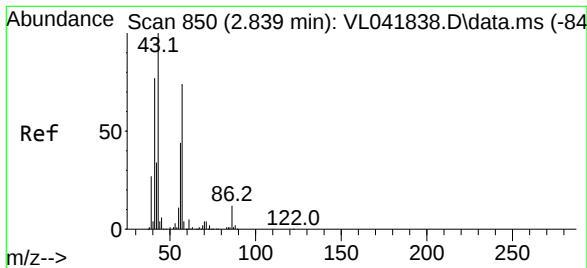
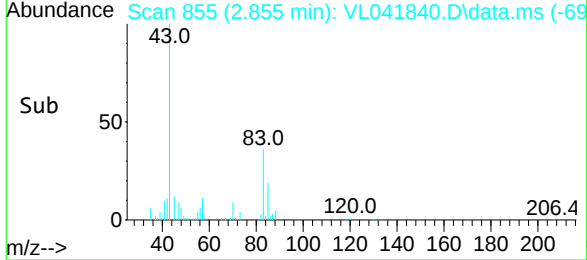
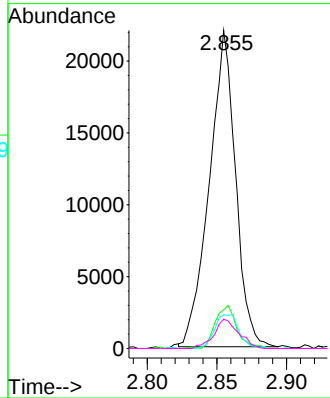
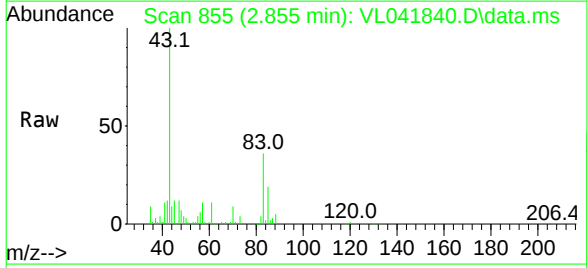
#25
Ethyl Acetate
Concen: 0.967 ppbv
RT: 2.855 min Scan# 851
Delta R.T. 0.010 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43	Resp: 28818
Ion Ratio	Lower Upper
43 100	
45 11.3	7.8 11.8
61 10.0	7.0 10.6
70 8.7	6.2 9.2

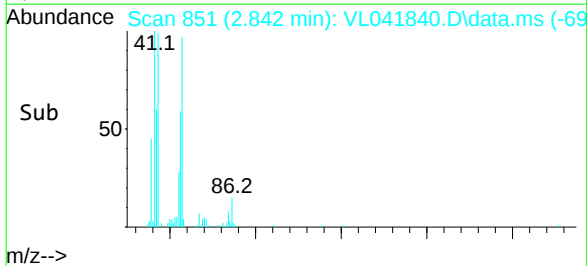
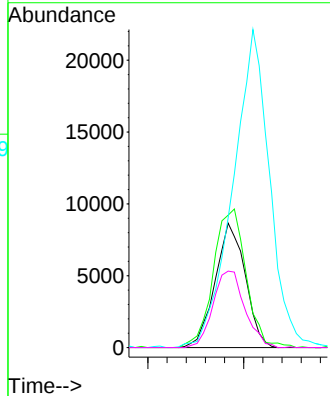
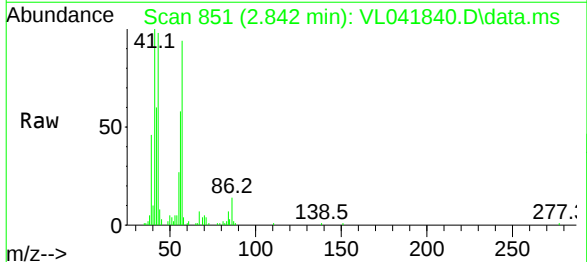
Manual Integrations
APPROVED

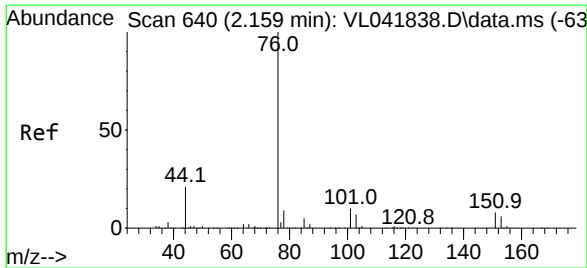
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#26
Hexane
Concen: 0.913 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

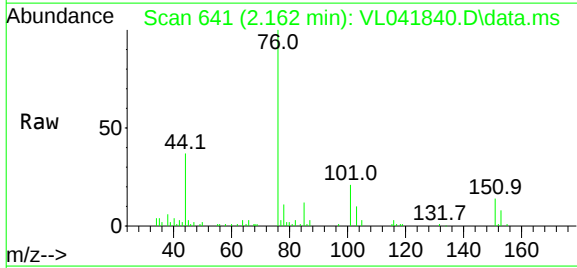
Tgt Ion: 57	Resp: 9441
Ion Ratio	Lower Upper
57 100	
41 121.7	84.0 126.0
43 313.9	218.4 327.6
56 65.2	45.7 68.5





#27
Carbon Disulfide
Concen: 0.883 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

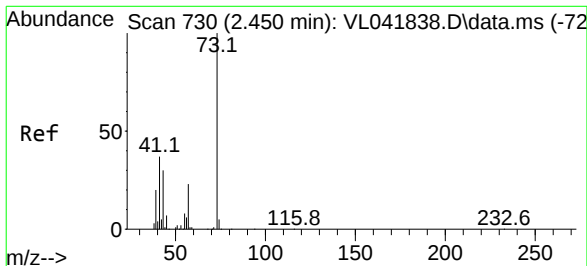
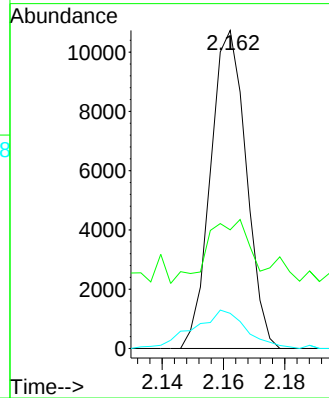
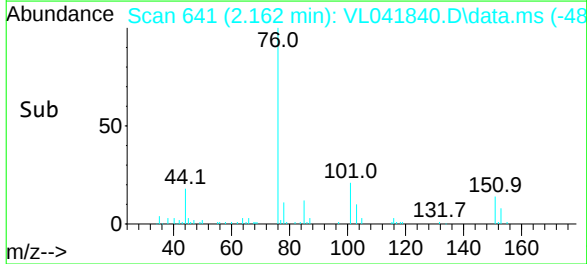
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 76 Resp: 8674
Ion Ratio Lower Upper
76 100
44 57.5 19.8 29.8#
78 18.1 9.8 14.8#

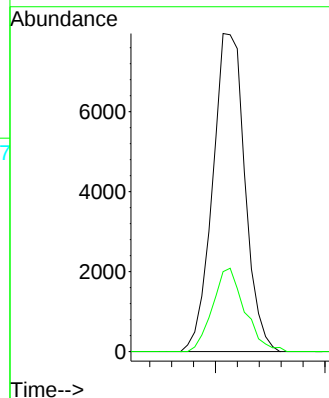
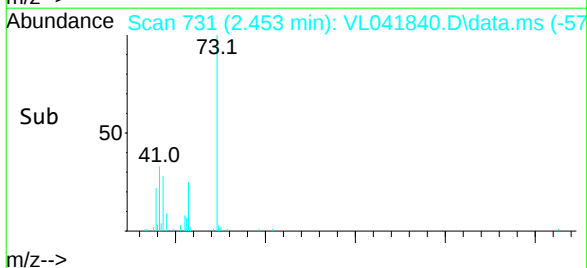
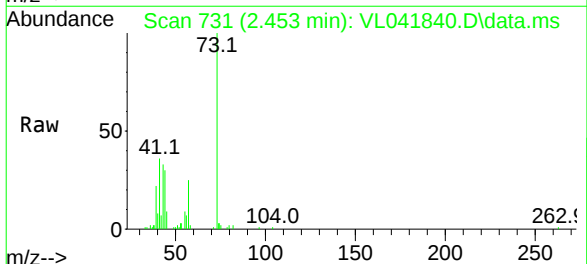
Manual Integrations
APPROVED

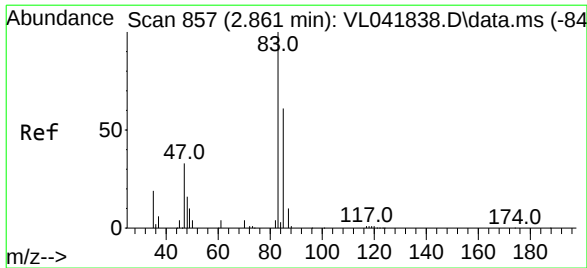
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#28
Methyl tert-Butyl Ether
Concen: 1.043 ppbv
RT: 2.453 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Tgt Ion: 73 Resp: 8132
Ion Ratio Lower Upper
73 100
57 26.1 18.4 27.6





#29

Chloroform

Concen: 1.043 ppbv

RT: 2.865 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 20041

Ion Ratio Lower Upper

83 100

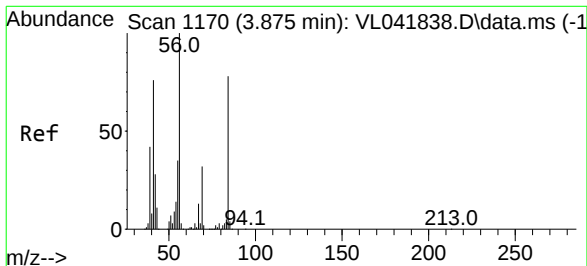
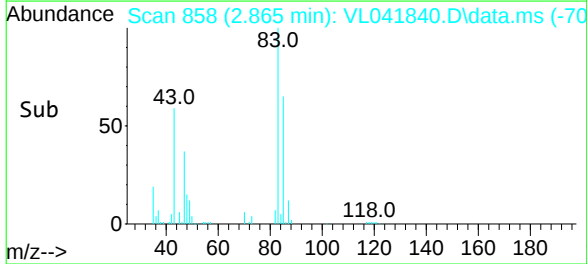
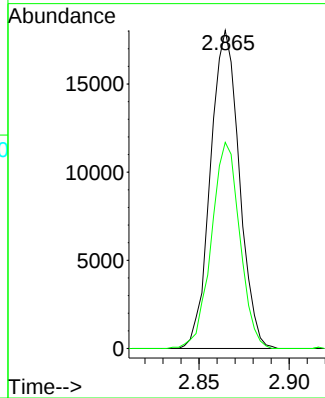
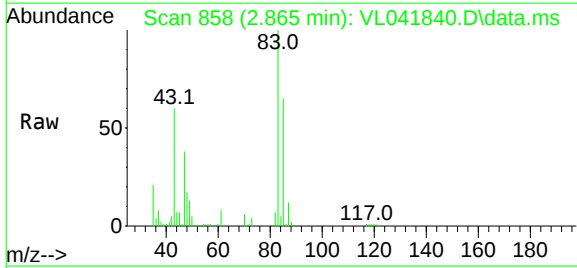
85 64.8 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025

Supervised By :Mahesh Dadoda 01/09/2025



#30

Cyclohexane

Concen: 0.885 ppbv

RT: 3.881 min Scan# 1172

Delta R.T. 0.006 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

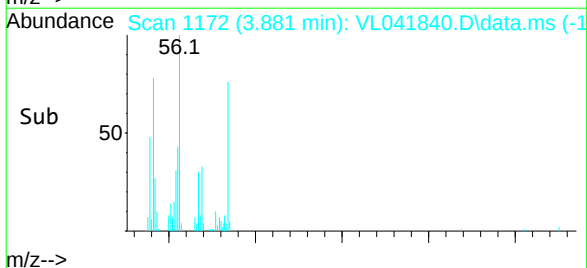
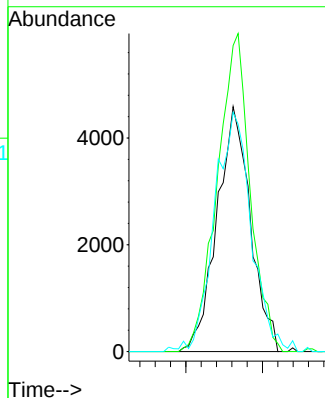
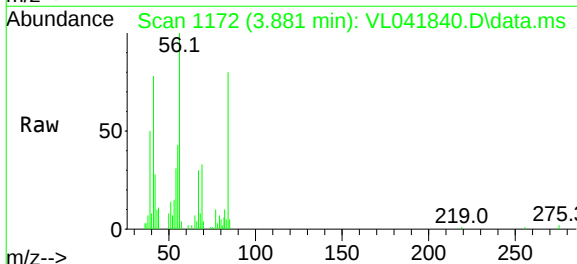
Tgt Ion: 84 Resp: 6949

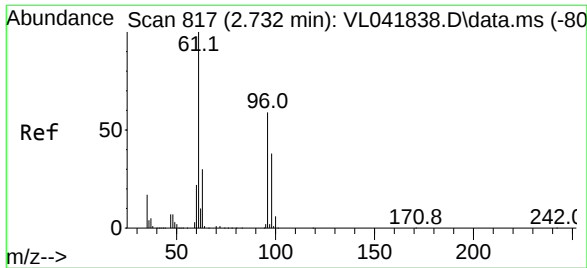
Ion Ratio Lower Upper

84 100

56 127.5 105.0 157.6

41 107.8 78.9 118.3





#31

cis-1,2-Dichloroethene

Concen: 0.987 ppbv

RT: 2.735 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

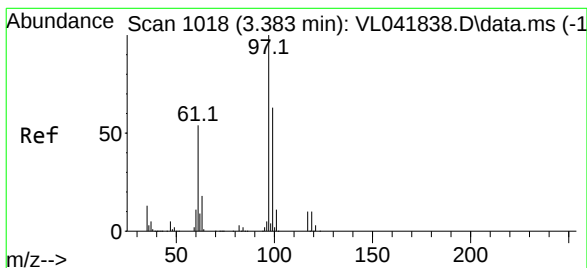
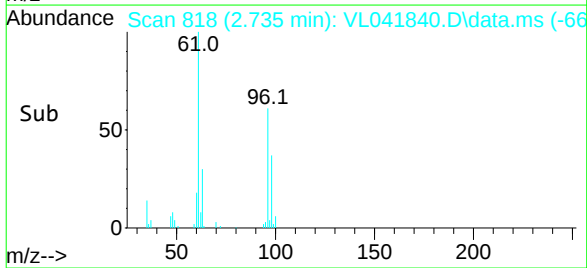
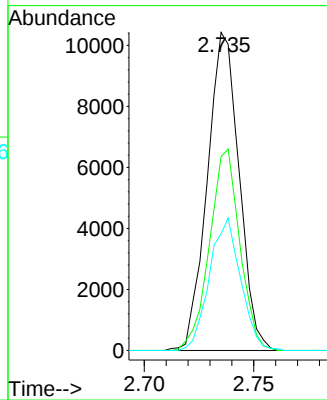
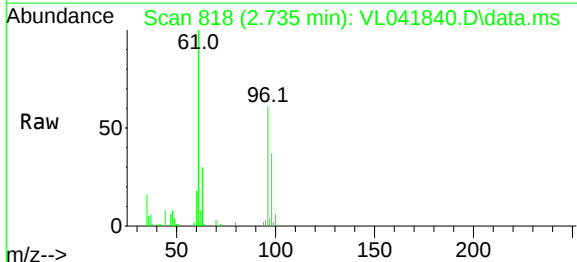
VSTDICC001

Tgt	Ion: 61	Resp:	10514
Ion	Ratio	Lower	Upper
61	100		
96	61.0	47.6	71.4
98	36.7	30.2	45.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#32

1,1,1-Trichloroethane

Concen: 0.960 ppbv

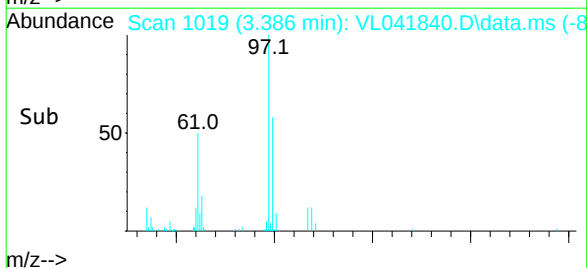
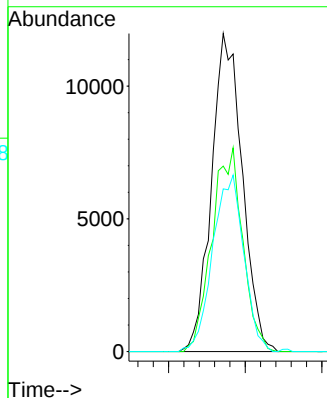
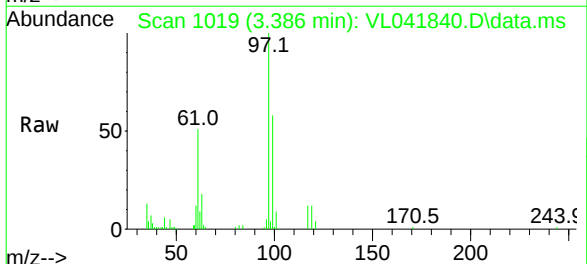
RT: 3.386 min Scan# 1019

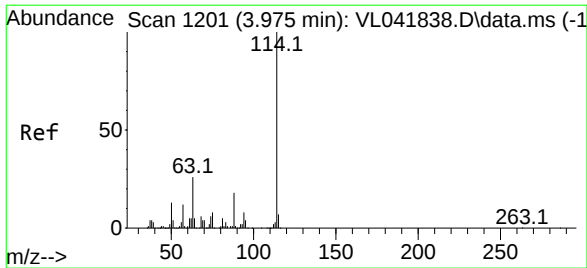
Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Tgt	Ion: 97	Resp:	16717
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	56.2	45.0	67.6





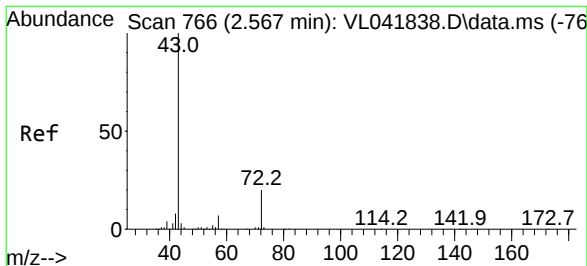
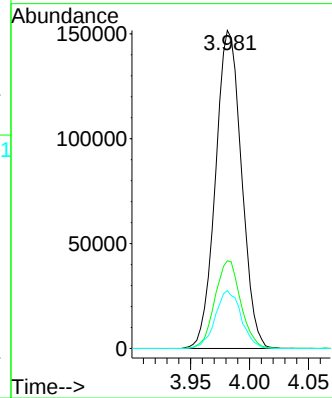
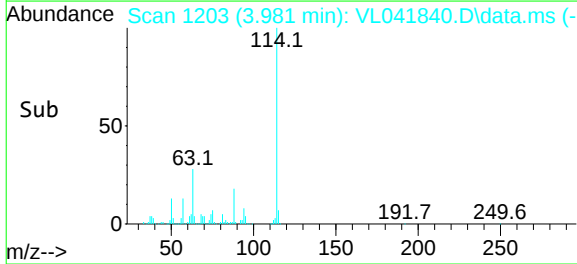
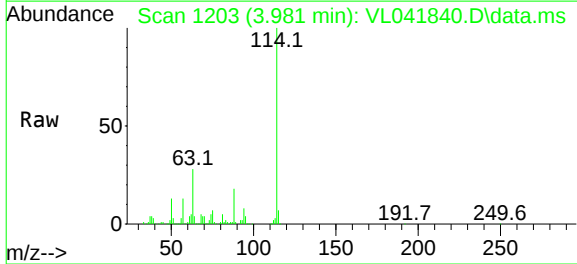
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1201
Delta R.T. 0.006 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:	114	Resp:	232532
Ion Ratio	Lower	Upper	
114	100		
63	27.4	22.3	33.5
88	18.1	14.9	22.3

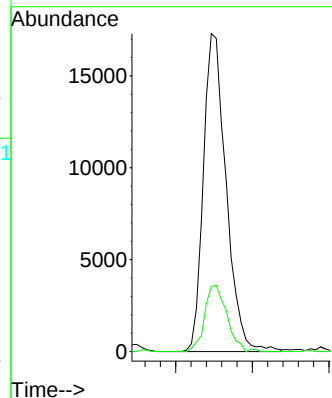
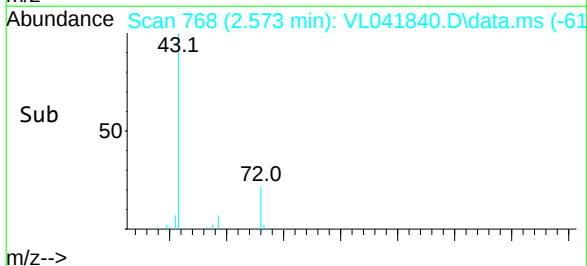
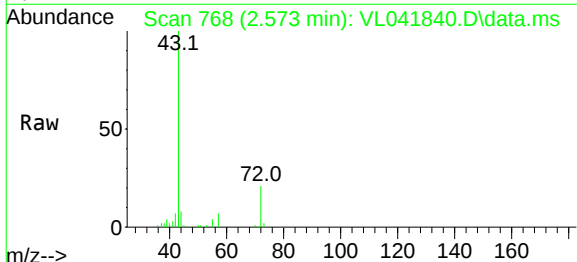
Manual Integrations
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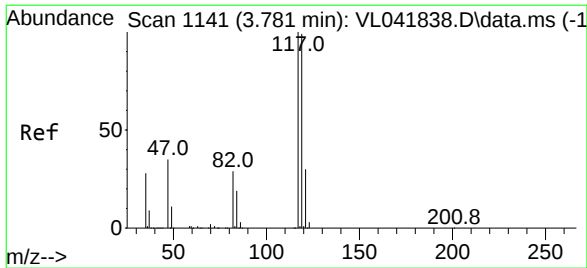
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#34
2-Butanone
Concen: 0.975 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.006 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Tgt Ion:	43	Resp:	17859
Ion Ratio	Lower	Upper	
43	100		
72	20.4	16.6	25.0





#35

Carbon Tetrachloride

Concen: 0.907 ppbv

RT: 3.787 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

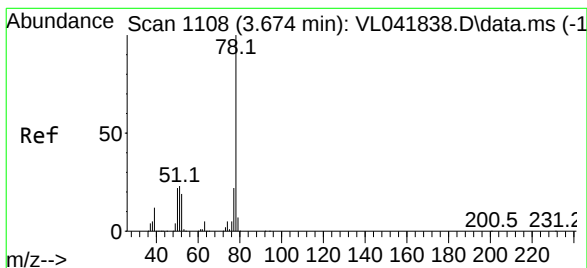
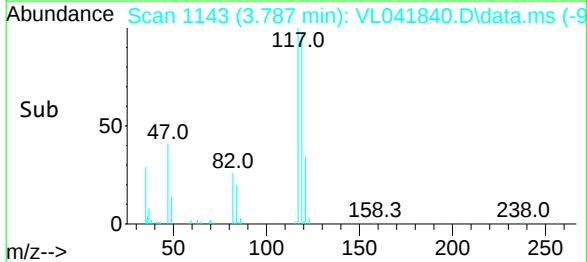
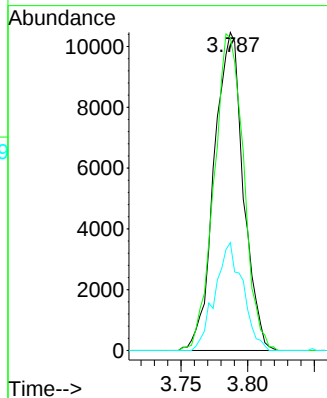
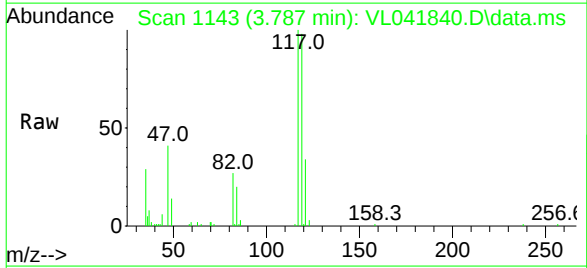
VSTDIC001

Tgt Ion:	117	Resp:	15937
Ion	Ratio	Lower	Upper
117	100		
119	98.3	79.1	118.7
121	33.9	24.2	36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#36

Benzene

Concen: 0.968 ppbv

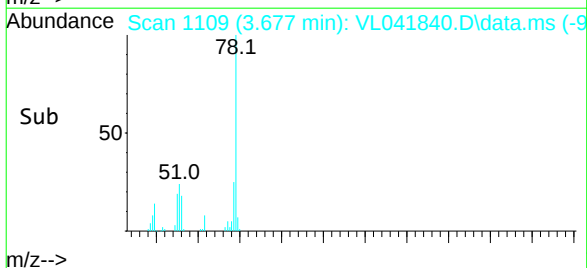
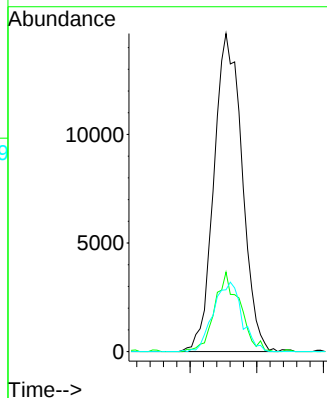
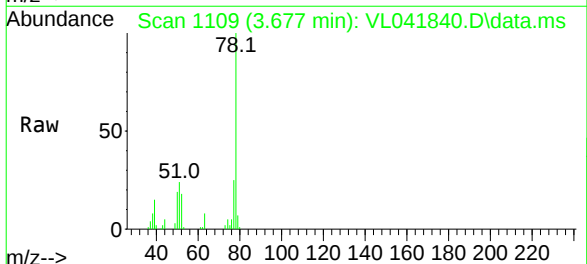
RT: 3.677 min Scan# 1109

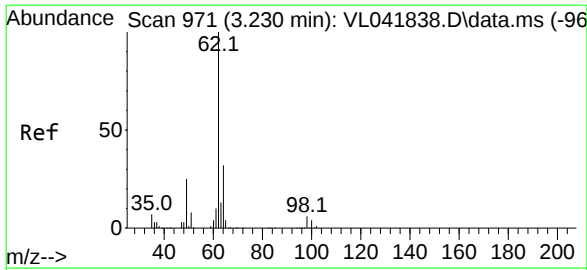
Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

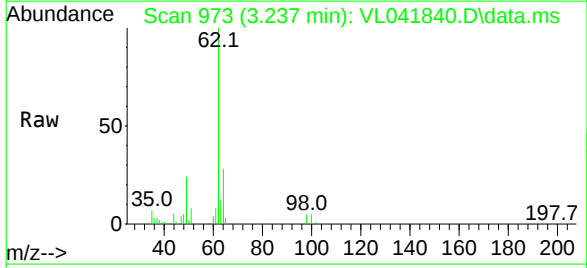
Tgt Ion:	78	Resp:	21504
Ion	Ratio	Lower	Upper
78	100		
77	25.0	17.4	26.0
50	19.4	17.3	25.9





#37
1,2-Dichloroethane
Concen: 0.980 ppbv
RT: 3.237 min Scan# 971
Delta R.T. 0.006 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

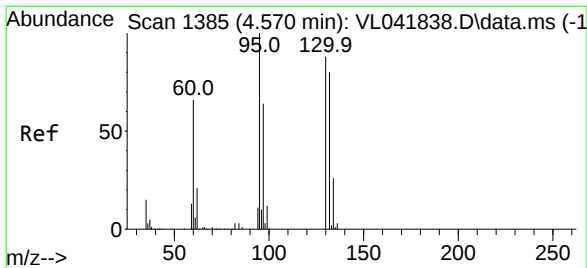
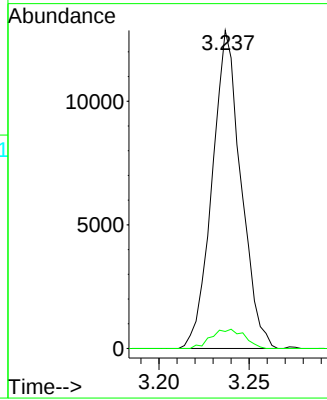
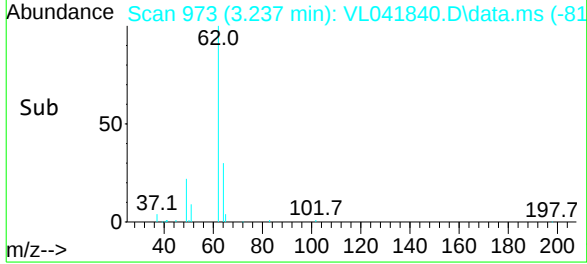
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



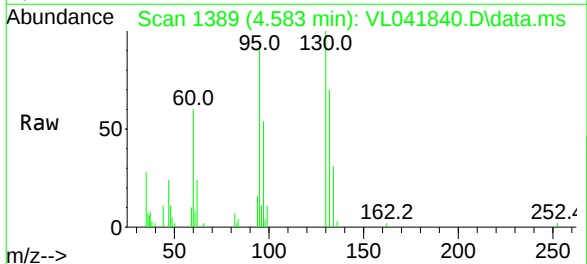
Tgt Ion: 62 Resp: 14318
Ion Ratio Lower Upper
62 100
98 7.0 4.8 7.2

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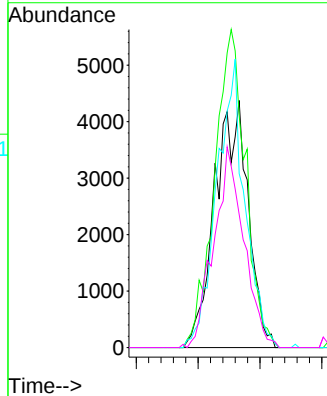
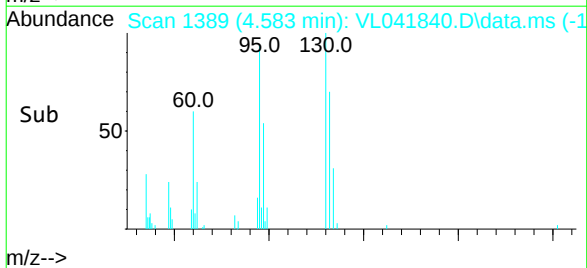
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

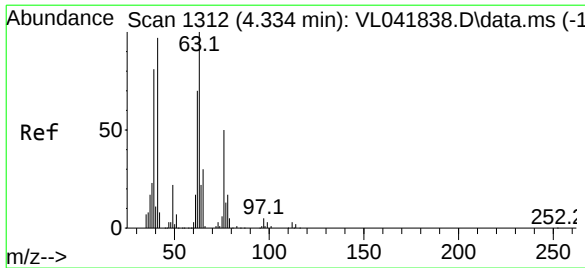


#38
Trichloroethene
Concen: 0.942 ppbv m
RT: 4.583 min Scan# 1389
Delta R.T. 0.013 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21



Tgt Ion:130 Resp: 8206
Ion Ratio Lower Upper
130 100
95 93.9 90.1 135.1
132 70.4 71.8 107.8#
97 53.9 57.9 86.9#





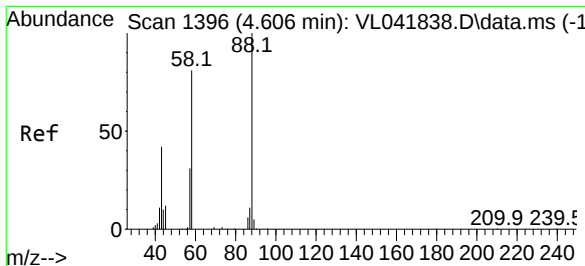
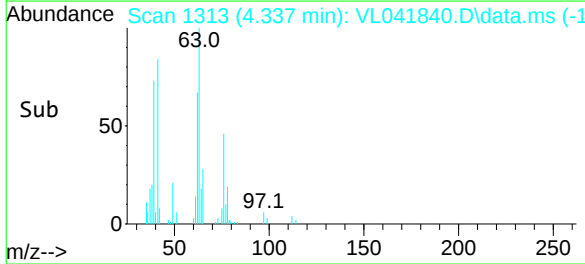
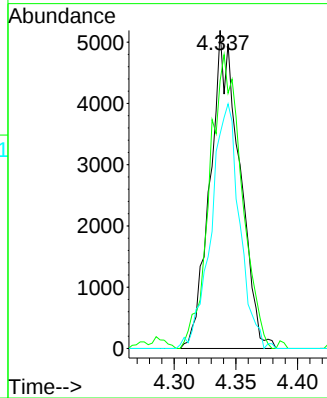
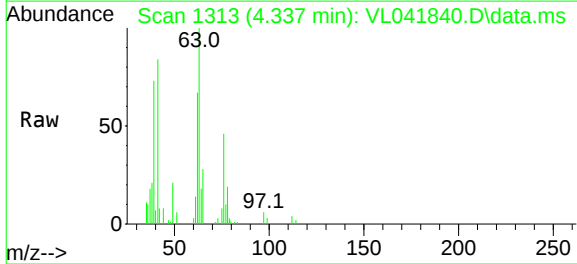
#39
1,2-Dichloropropane
Concen: 1.001 ppbv m
RT: 4.337 min Scan# 1312
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion	Ratio	Lower	Upper
63	100		
41	84.2	77.7	116.5
62	67.5	56.2	84.2

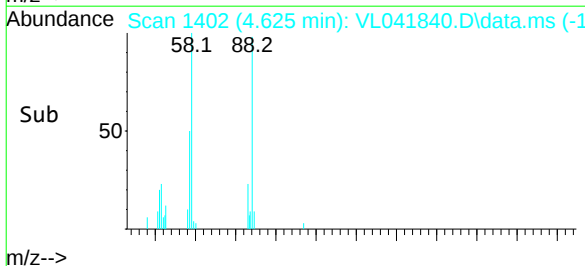
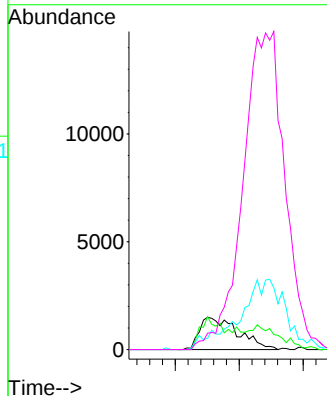
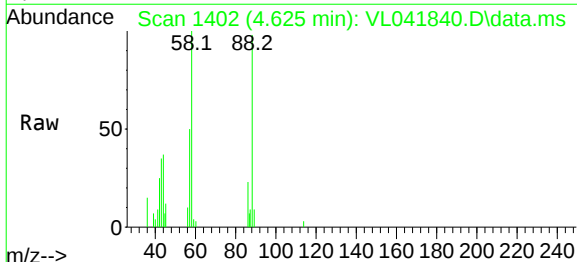
Manual Integrations
APPROVED

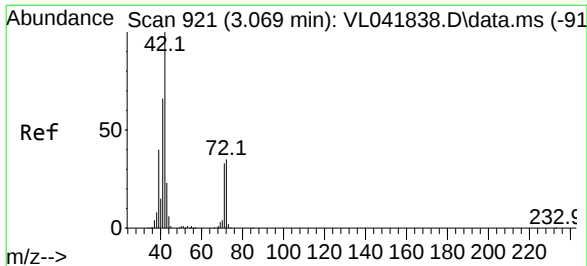
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#40
1,4-Dioxane
Concen: 0.939 ppbv m
RT: 4.625 min Scan# 1402
Delta R.T. 0.019 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	63.0	94.6#
43	0.0	30.0	45.0#
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.868 ppbv

RT: 3.081 min Scan# 92

Delta R.T. 0.013 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

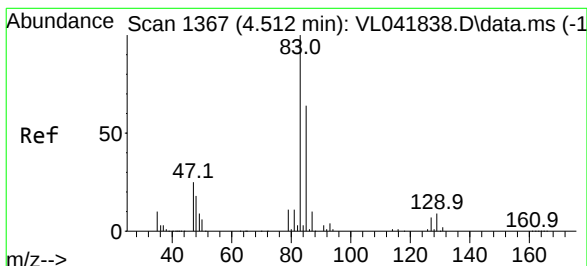
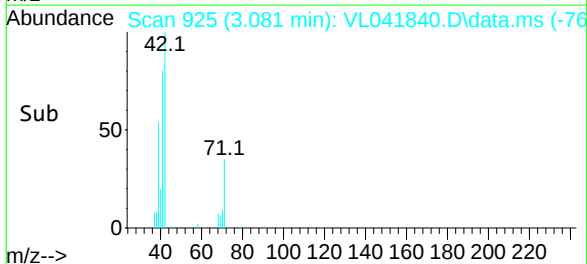
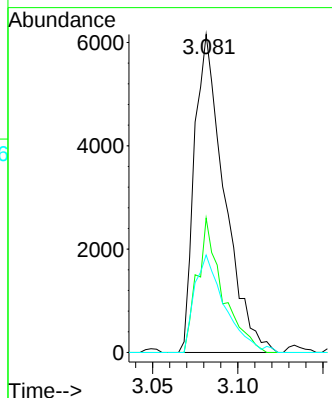
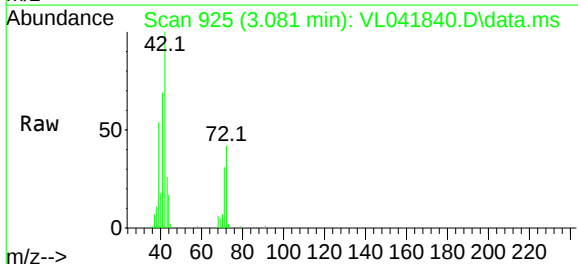
ClientSampleId :

VSTDIC001

Tgt Ion: 42	Resp: 7497
Ion Ratio	Lower Upper
42 100	
72 35.8	27.9 41.9
71 31.2	26.5 39.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#42

Bromodichloromethane

Concen: 0.913 ppbv

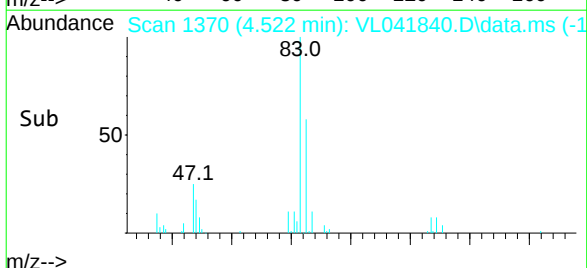
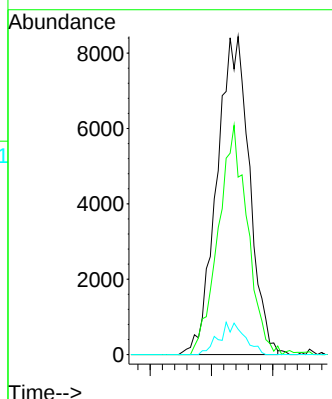
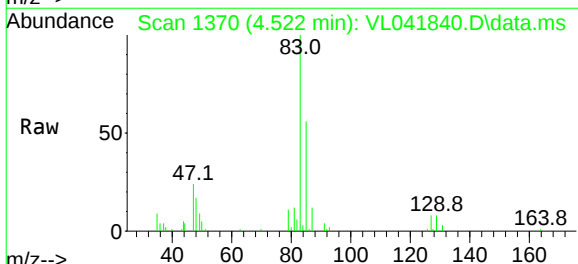
RT: 4.522 min Scan# 1370

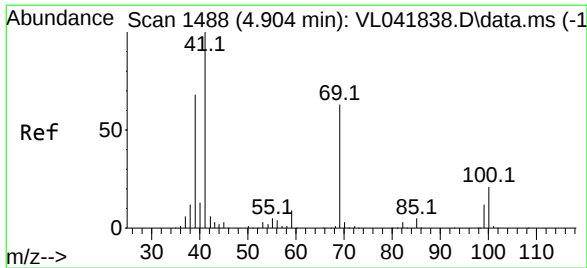
Delta R.T. 0.010 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Tgt Ion: 83	Resp: 15637
Ion Ratio	Lower Upper
83 100	
85 55.8	51.3 76.9
127 8.9	5.6 8.4





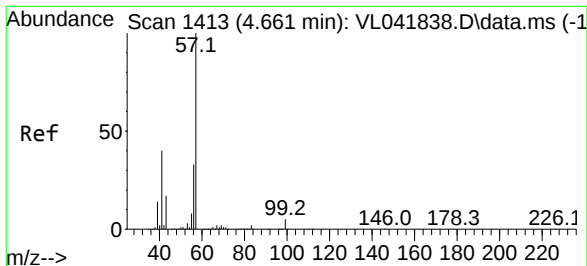
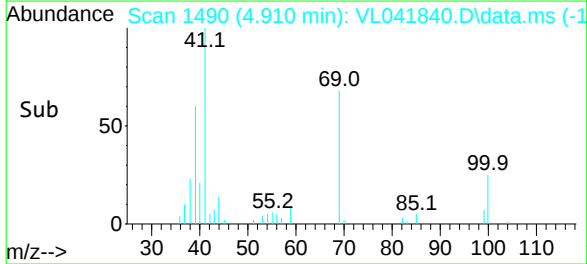
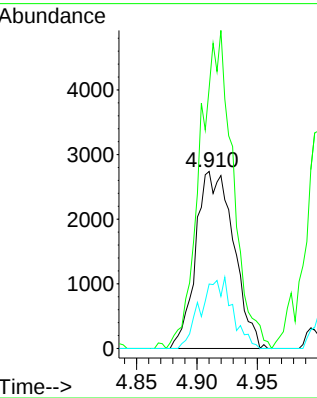
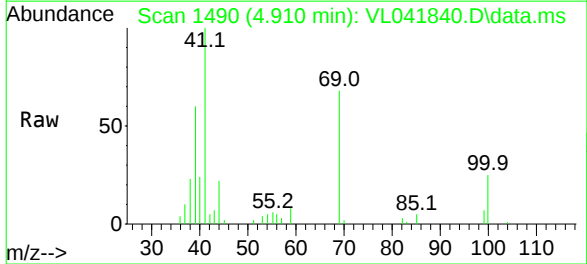
#43
Methyl Methacrylate
Concen: 0.853 ppbv m
RT: 4.910 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:	69	Resp:	5953
Ion	Ratio	Lower	Upper
69	100		
41	0.0	132.2	198.2#
100	0.0	28.2	42.4#

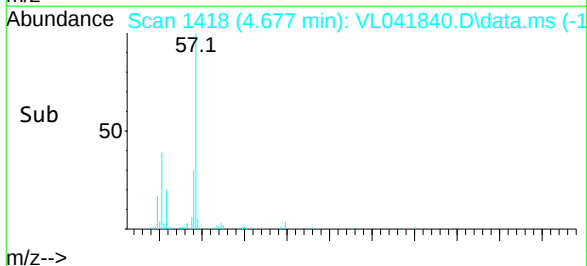
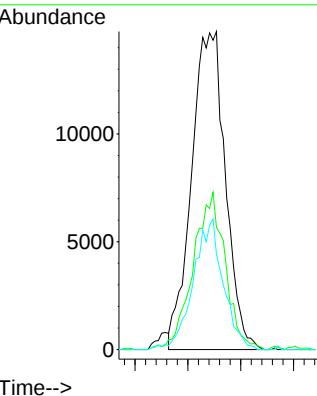
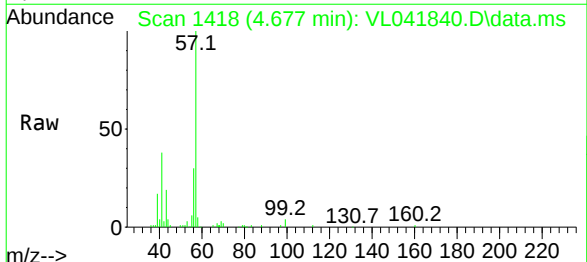
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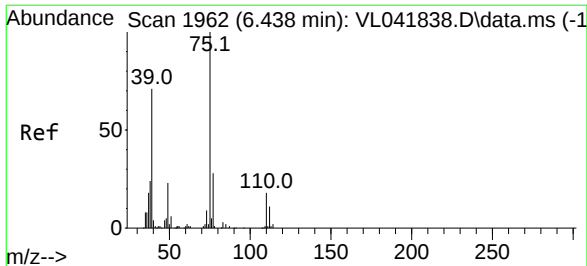
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#44
2,2,4-Trimethylpentane
Concen: 0.899 ppbv
RT: 4.677 min Scan# 1418
Delta R.T. 0.016 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Tgt Ion:	57	Resp:	32898
Ion	Ratio	Lower	Upper
57	100		
41	46.9	31.4	47.2
56	36.2	26.6	39.8





#45

t-1,3-Dichloropropene

Concen: 0.808 ppbv

RT: 6.451 min Scan# 1962

Delta R.T. 0.013 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 75 Resp: 5502

Ion Ratio Lower Upper

75 100

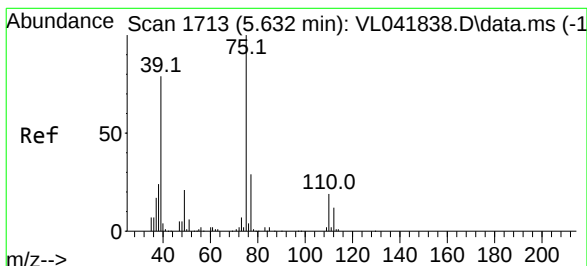
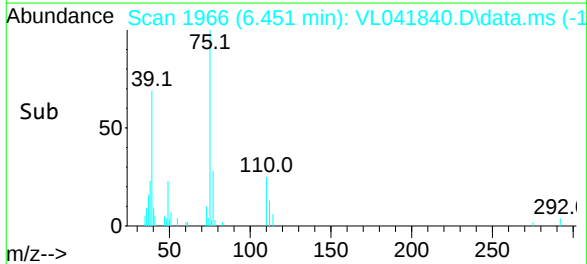
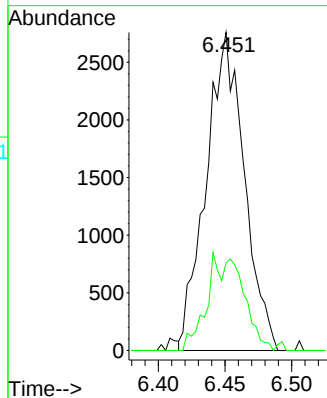
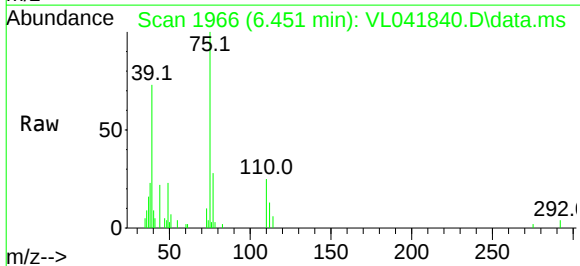
77 27.5 22.2 33.4

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Reviewed By :Semsettin Yesilyurt 01/09/2025

Supervised By :Mahesh Dadoda 01/09/2025



#46

cis-1,3-Dichloropropene

Concen: 0.853 ppbv m

RT: 5.632 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

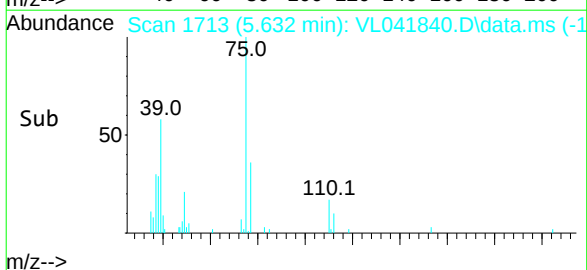
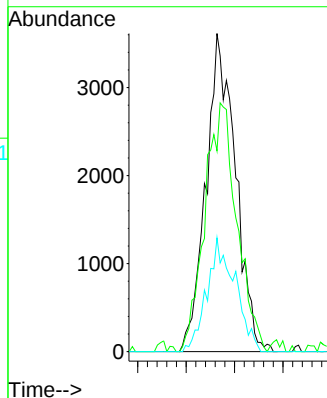
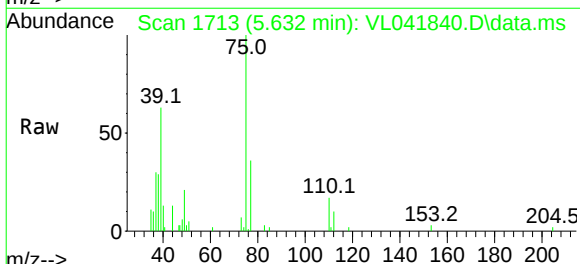
Tgt Ion: 75 Resp: 7644

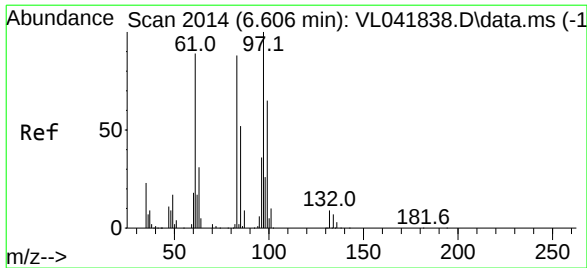
Ion Ratio Lower Upper

75 100

39 63.1 63.3 94.9#

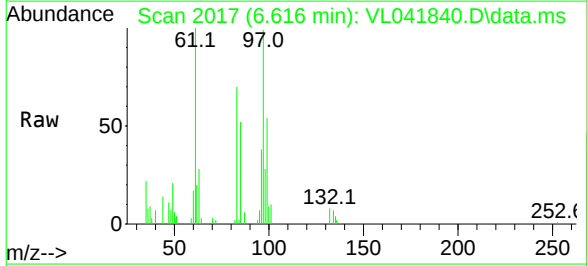
77 35.8 23.5 35.3#





#47
1,1,2-Trichloroethane
Concen: 0.994 ppbv m
RT: 6.616 min Scan# 2014
Delta R.T. 0.010 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

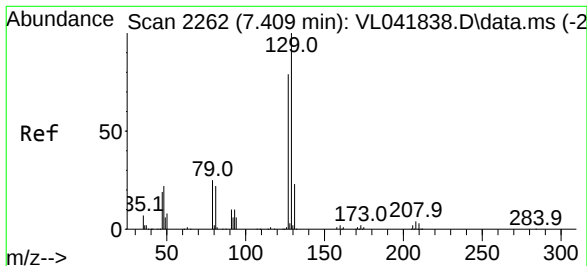
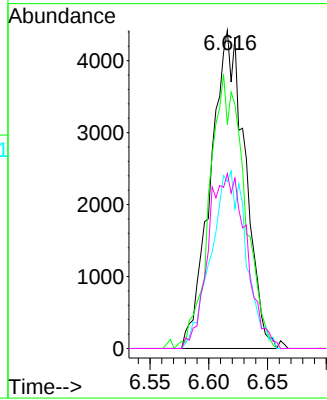
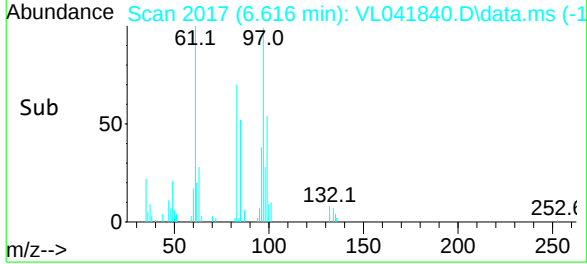
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 97 Resp: 9034
Ion Ratio Lower Upper
97 100
83 70.4 70.3 105.5
85 52.5 41.5 62.3
99 55.0 52.3 78.5

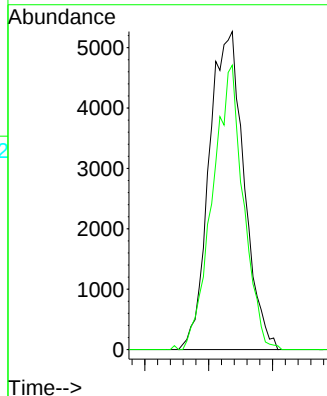
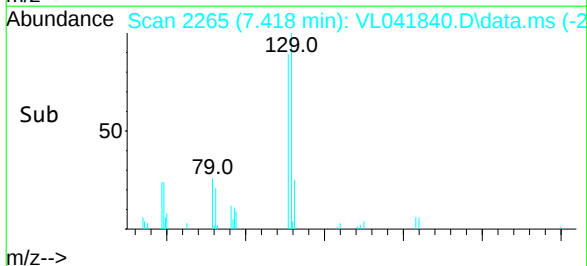
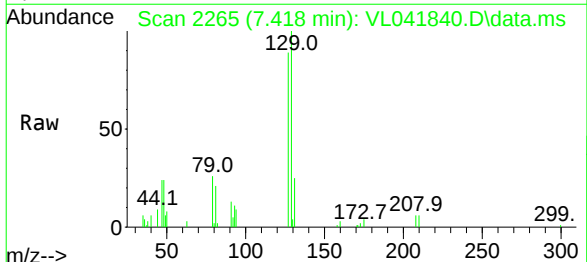
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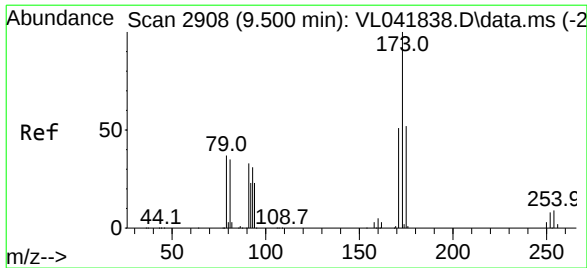
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#48
Dibromochloromethane
Concen: 0.862 ppbv
RT: 7.418 min Scan# 2265
Delta R.T. 0.010 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

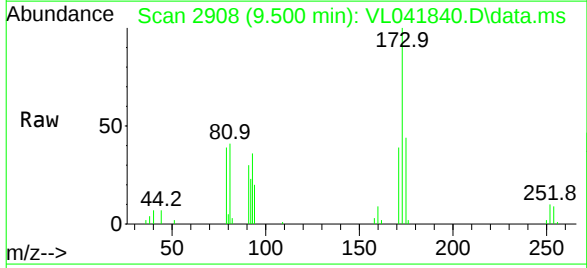
Tgt Ion:129 Resp: 9977
Ion Ratio Lower Upper
129 100
127 79.4 38.7 116.1





#49
Bromoform
Concen: 0.822 ppbv
RT: 9.500 min Scan# 2908
Delta R.T. -0.000 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

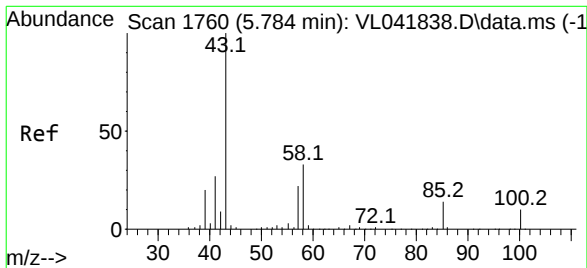
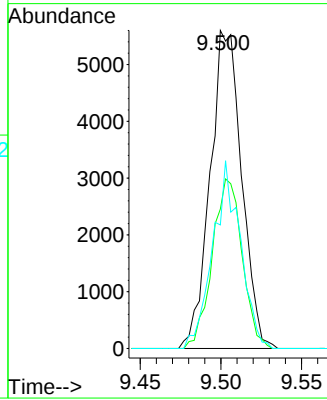
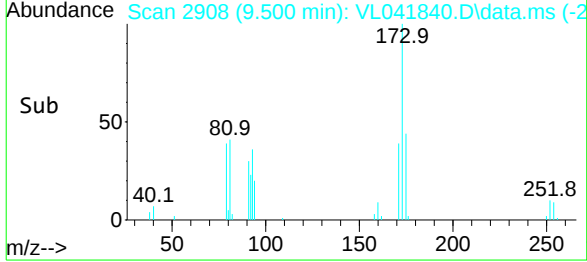
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



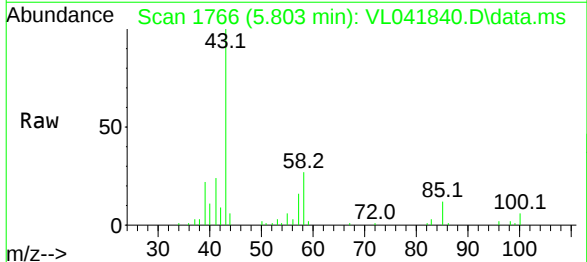
Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.4	39.5	59.3
171	51.6	41.5	62.3

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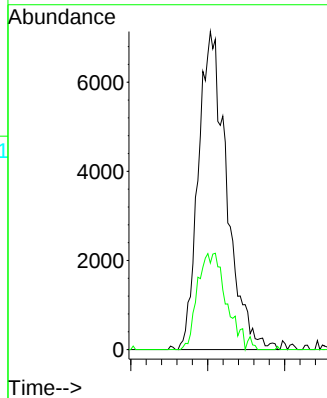
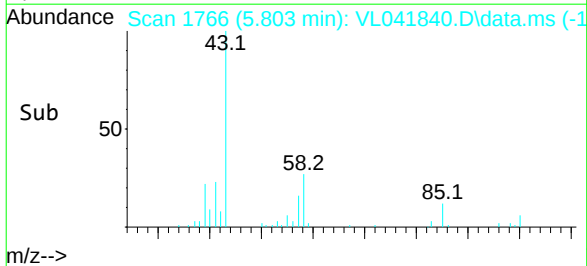
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

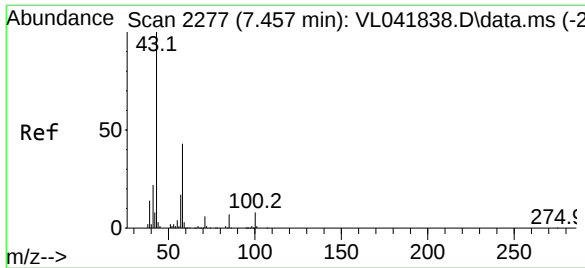


#50
4-Methyl-2-Pentanone
Concen: 0.864 ppbv m
RT: 5.803 min Scan# 1766
Delta R.T. 0.019 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21



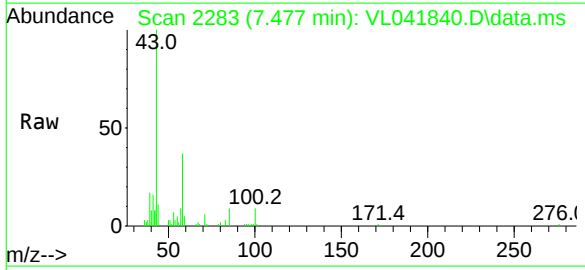
Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.6	38.4





#51
2-Hexanone
Concen: 0.738 ppbv
RT: 7.477 min Scan# 2277
Delta R.T. 0.019 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

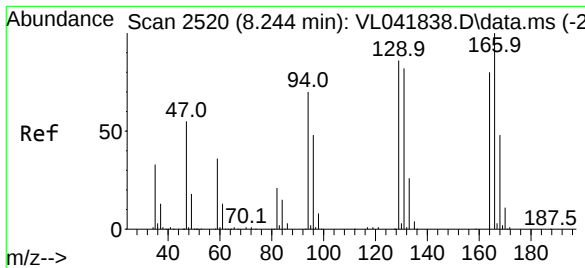
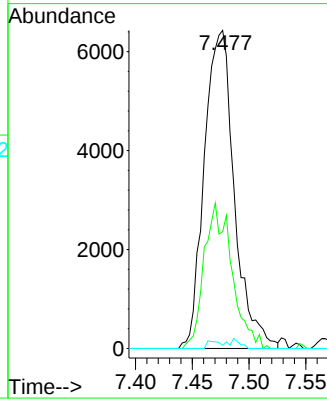
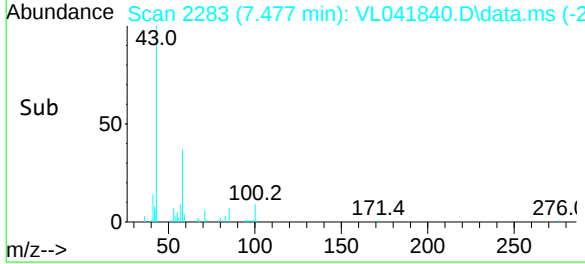
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



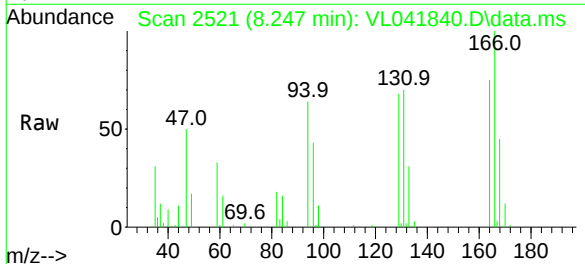
Tgt Ion: 43 Resp: 11832
Ion Ratio Lower Upper
43 100
58 42.3 33.8 50.8
98 2.1 0.7 1.1#

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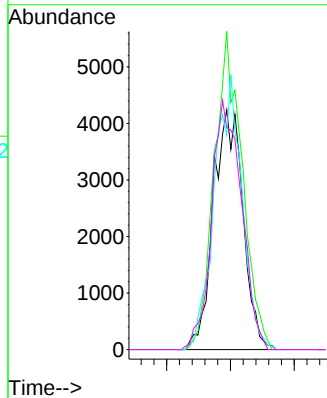
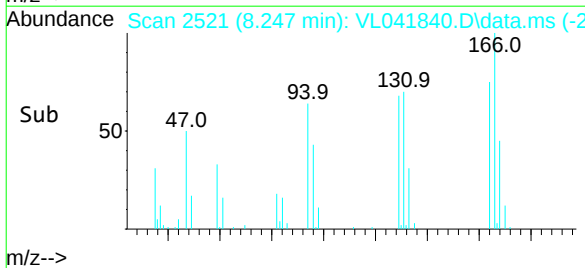
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

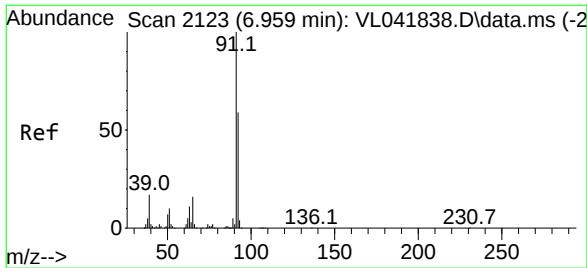


#52
Tetrachloroethene
Concen: 1.048 ppbv m
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21



Tgt Ion:164 Resp: 6903
Ion Ratio Lower Upper
164 100
166 132.7 100.4 150.6
129 89.6 85.9 128.9
131 92.6 82.8 124.2





#53

Toluene

Concen: 0.824 ppbv m

RT: 6.962 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 91 Resp: 16301

Ion Ratio Lower Upper

91 100

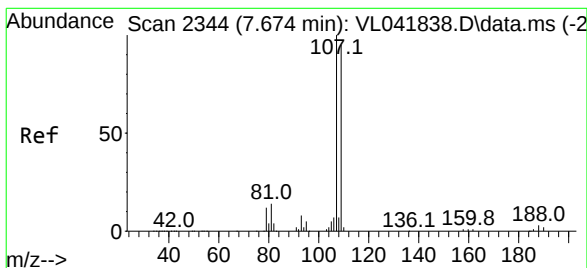
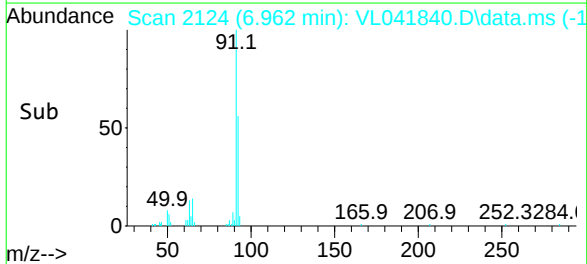
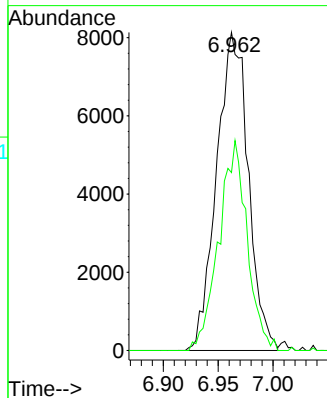
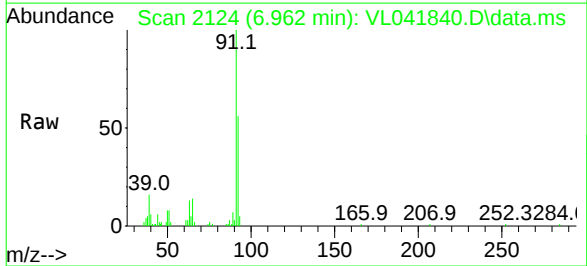
92 0.0 47.8 71.6#

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Reviewed By :Semsettin Yesilyurt 01/09/2025

Supervised By :Mahesh Dadoda 01/09/2025



#54

1,2-Dibromoethane

Concen: 0.963 ppbv

RT: 7.681 min Scan# 2346

Delta R.T. 0.006 min

Lab File: VL041840.D

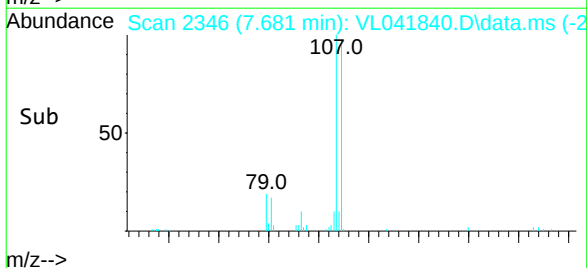
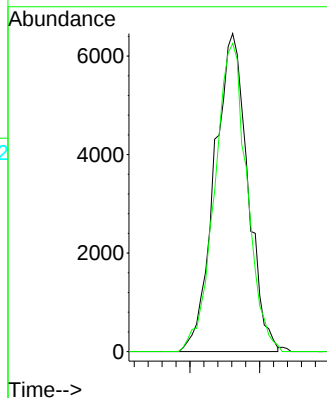
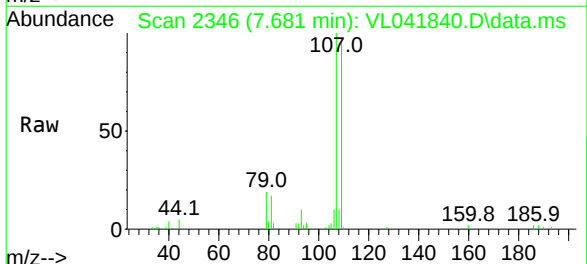
Acq: 07 Jan 2025 10:21

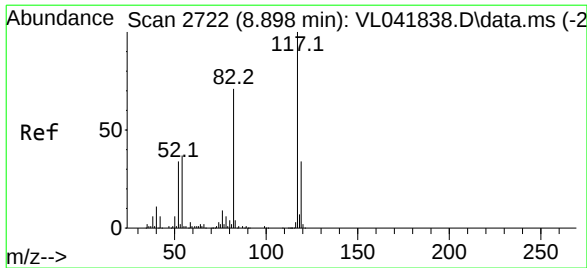
Tgt Ion:107 Resp: 10719

Ion Ratio Lower Upper

107 100

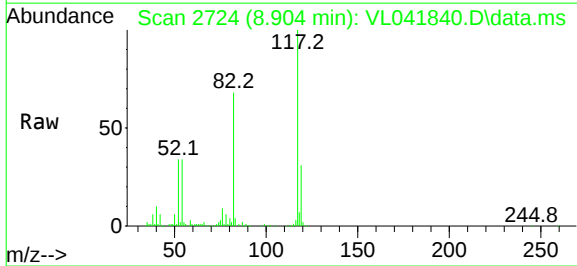
109 96.9 75.9 113.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2722
Delta R.T. 0.006 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

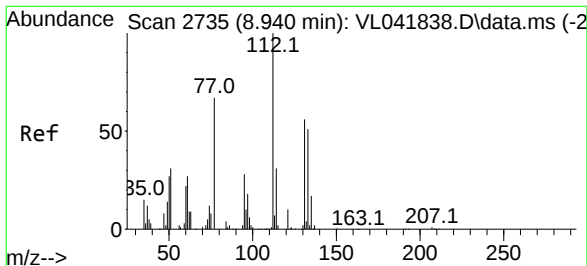
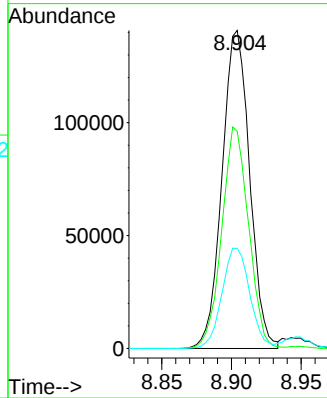
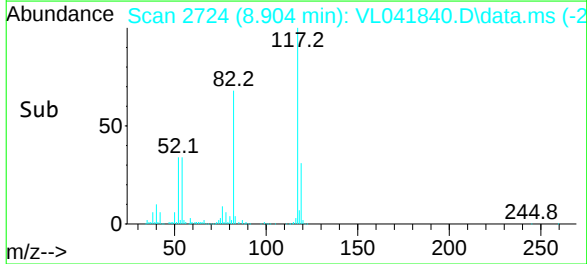
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:117 Resp: 194086
Ion Ratio Lower Upper
117 100
82 68.2 59.1 88.7
119 32.4 27.3 40.9

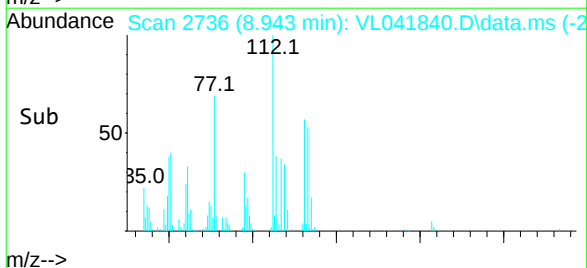
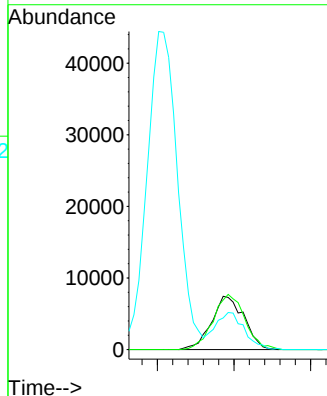
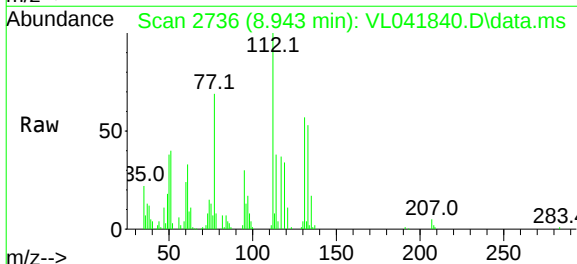
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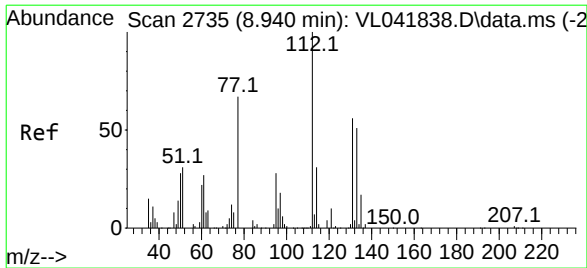
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.989 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

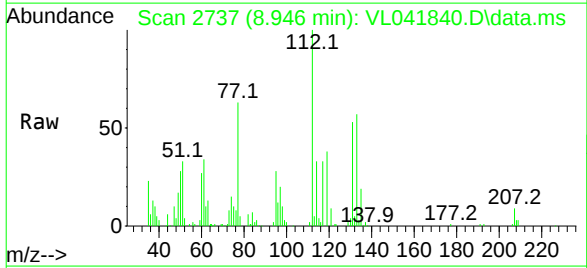
Tgt Ion:131 Resp: 10939
Ion Ratio Lower Upper
131 100
133 101.8 77.3 115.9
119 628.4 50.6 76.0#





#57
Chlorobenzene
Concen: 1.021 ppbv
RT: 8.946 min Scan# 2735
Delta R.T. 0.006 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

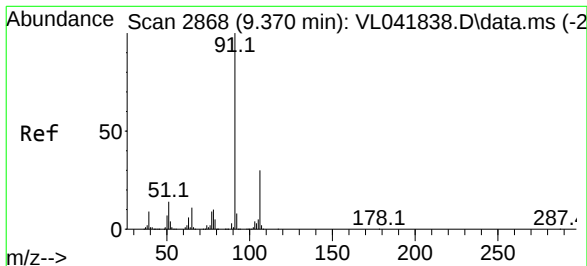
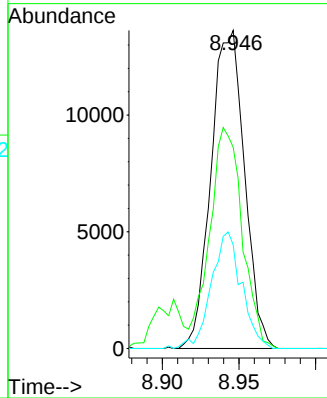
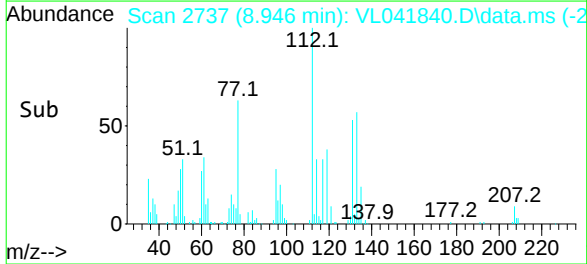
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 112 Resp: 20695
Ion Ratio Lower Upper
112 100
77 63.3 55.1 82.7
114 32.6 28.3 34.5

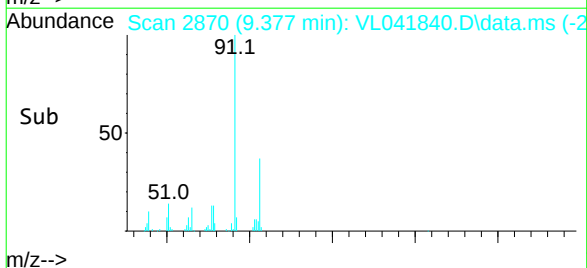
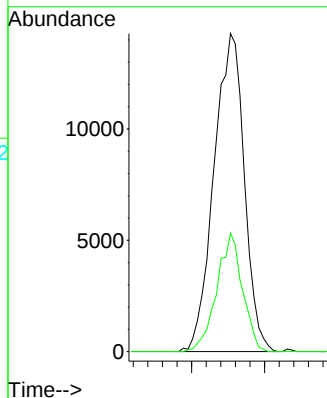
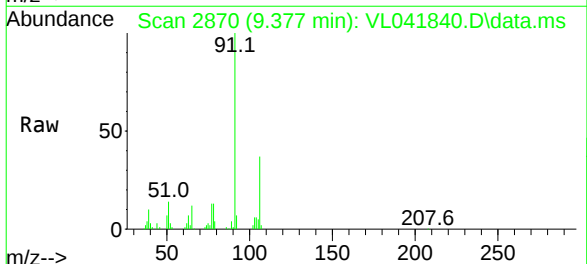
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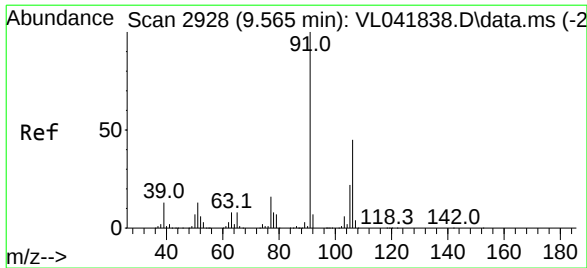
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#58
Ethyl Benzene
Concen: 0.778 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.006 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

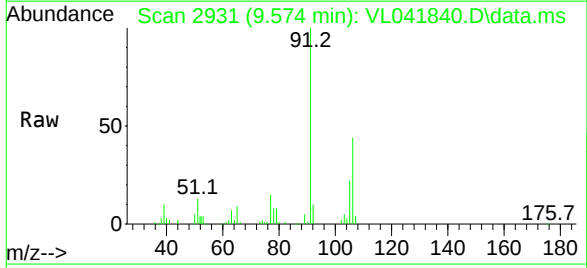
Tgt Ion: 91 Resp: 20575
Ion Ratio Lower Upper
91 100
106 37.2 23.8 35.8#





#59
m/p-Xylene
Concen: 1.601 ppbv m
RT: 9.574 min Scan# 29
Delta R.T. 0.010 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

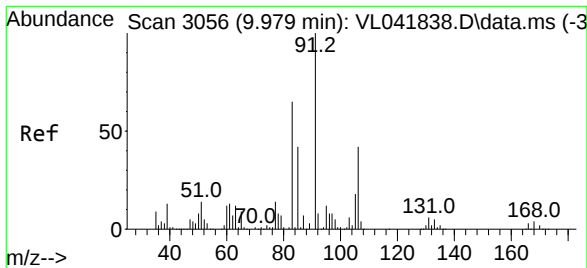
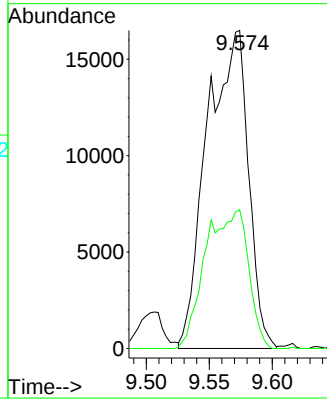
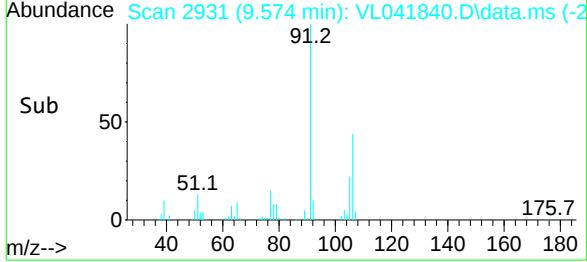
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 91 Resp: 37403
Ion Ratio Lower Upper
91 100
106 45.6 36.7 55.1

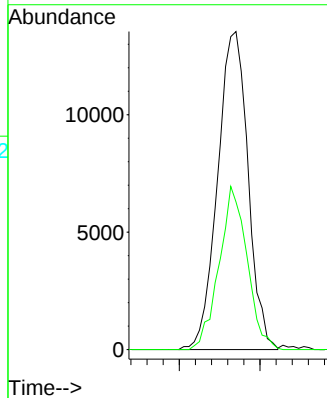
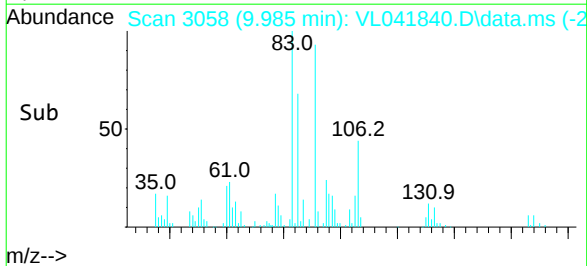
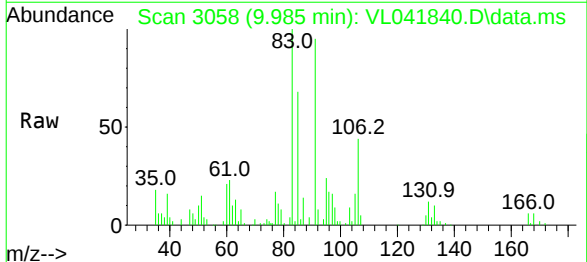
Manual Integrations
APPROVED

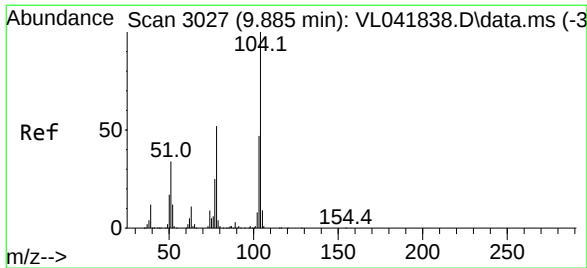
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#60
o-Xylene
Concen: 0.781 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.006 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Tgt Ion: 91 Resp: 17740
Ion Ratio Lower Upper
91 100
106 47.2 21.9 65.5





#61

Styrene

Concen: 0.717 ppbv

RT: 9.888 min Scan# 3028

Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

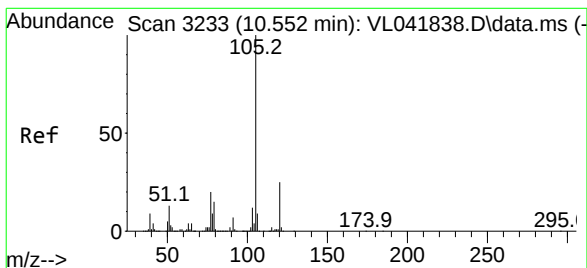
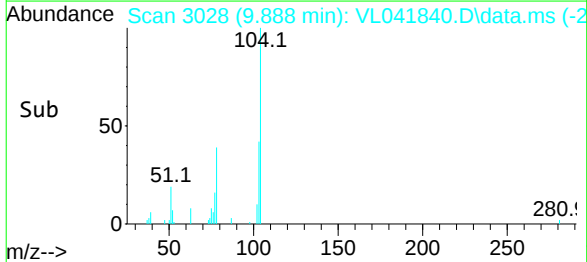
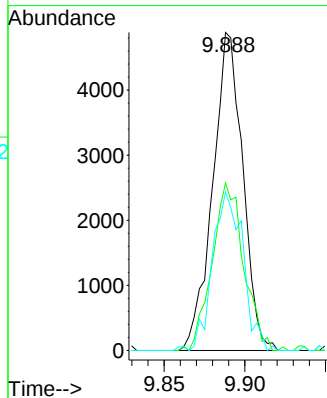
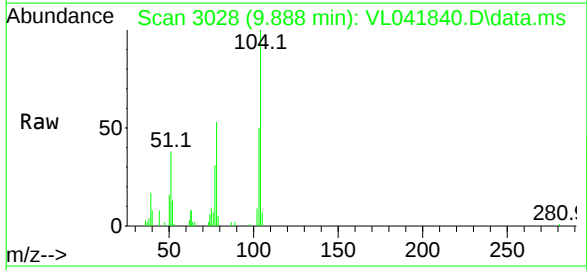
VSTDIC001

Tgt Ion:	104	Resp:	6320
Ion Ratio	Lower	Upper	
104	100		
78	55.5	42.7	64.1
103	50.9	37.8	56.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#62

Isopropylbenzene

Concen: 0.815 ppbv

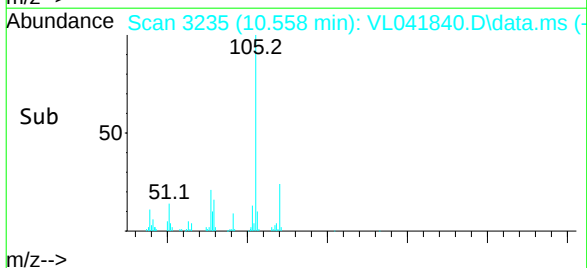
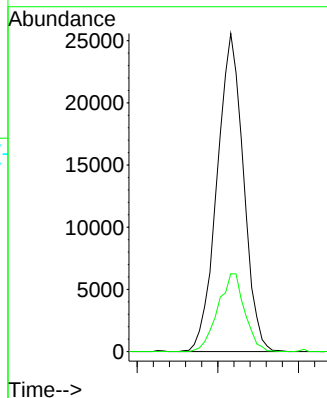
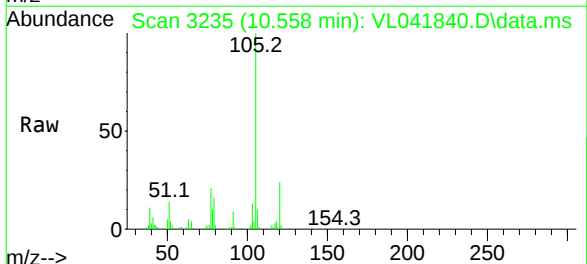
RT: 10.558 min Scan# 3235

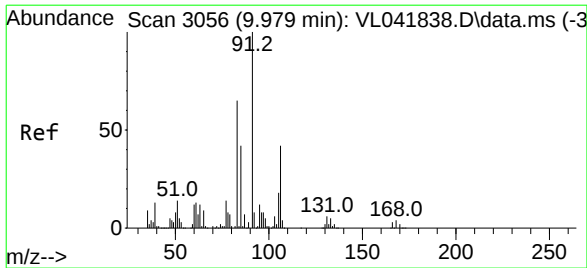
Delta R.T. 0.006 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

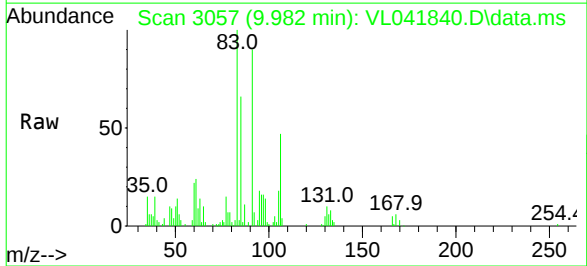
Tgt Ion:	105	Resp:	29086
Ion Ratio	Lower	Upper	
105	100		
120	24.7	20.4	30.6





#63
1,1,2,2-Tetrachloroethane
Concen: 0.946 ppbv
RT: 9.982 min Scan# 3056
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

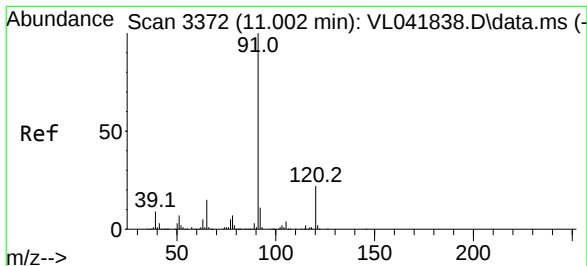
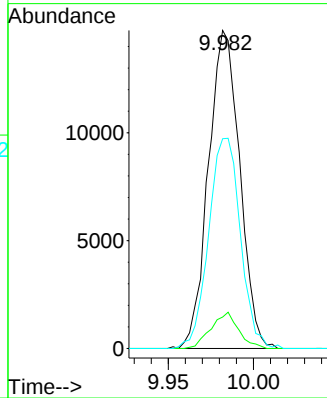
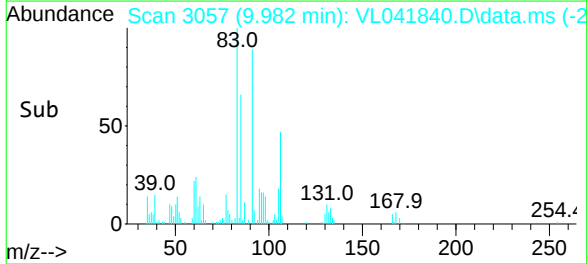
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 83 Resp: 18845
Ion Ratio Lower Upper
83 100
131 10.1 4.8 14.3
85 67.0 31.9 95.9

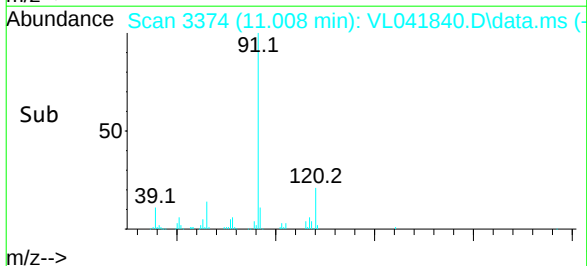
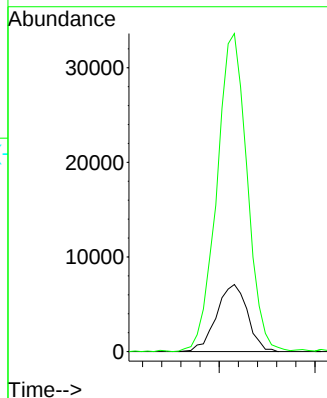
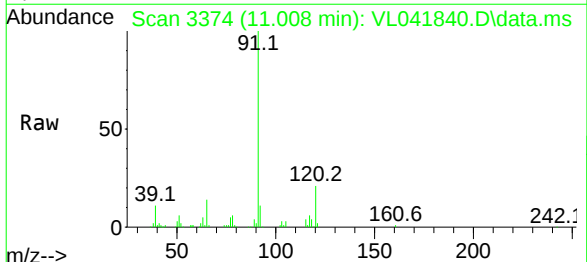
Manual Integrations
APPROVED

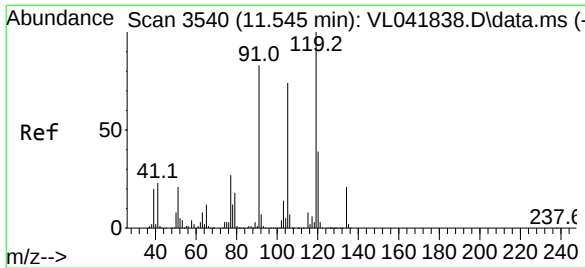
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#64
n-propylbenzene
Concen: 0.871 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. 0.006 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

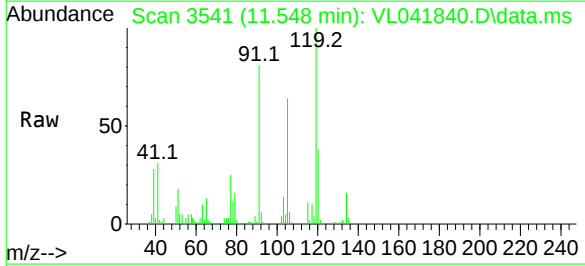
Tgt Ion:120 Resp: 7978
Ion Ratio Lower Upper
120 100
91 466.0 382.1 573.1





#65
tert-Butylbenzene
Concen: 0.862 ppbv
RT: 11.548 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

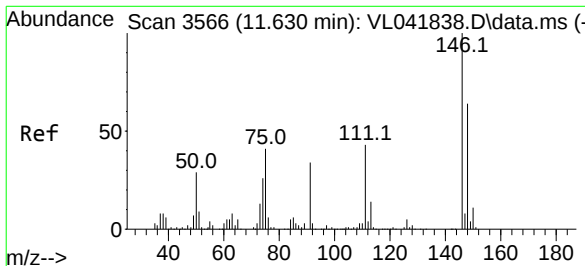
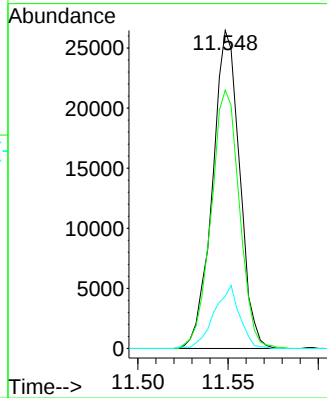
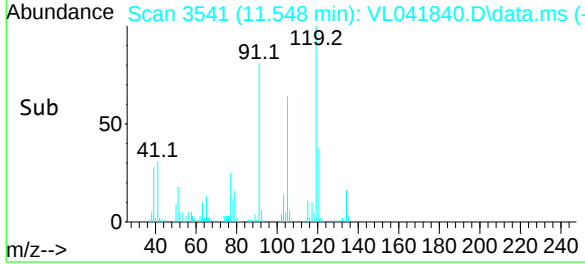
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



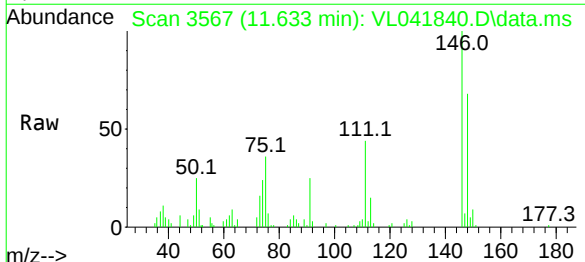
Tgt Ion: 119 Resp: 27703
Ion Ratio Lower Upper
119 100
91 84.5 68.0 102.0
134 18.7 16.2 24.4

Manual Integrations
APPROVED

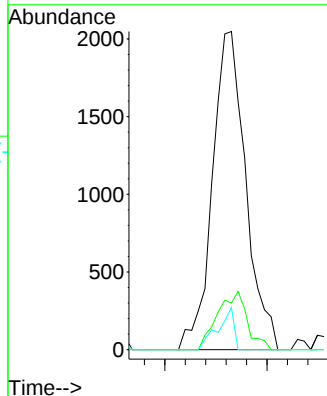
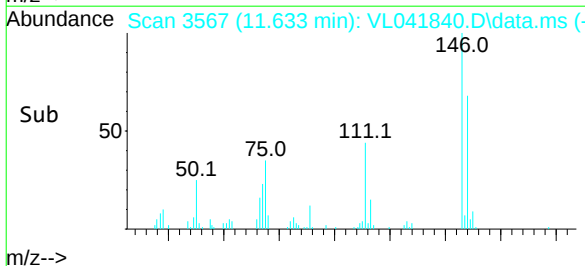
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

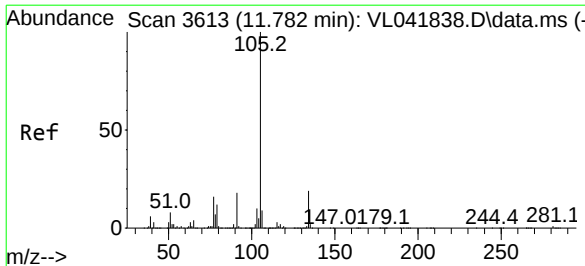


#66
Benzyl Chloride
Concen: 0.863 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21



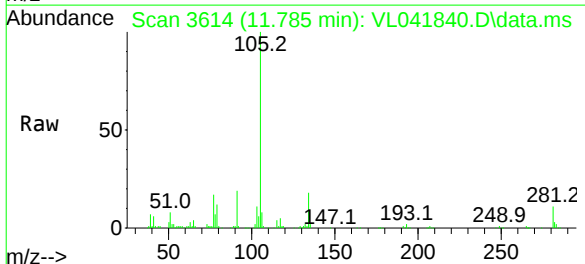
Tgt Ion: 91 Resp: 2320
Ion Ratio Lower Upper
91 100
126 16.3 12.1 18.1
128 6.4 4.3 6.5





#67
 sec-Butylbenzene
 Concen: 0.880 ppbv
 RT: 11.785 min Scan# 3613
 Delta R.T. 0.003 min
 Lab File: VL041840.D
 Acq: 07 Jan 2025 10:21

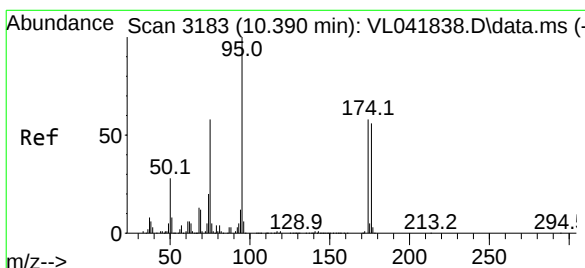
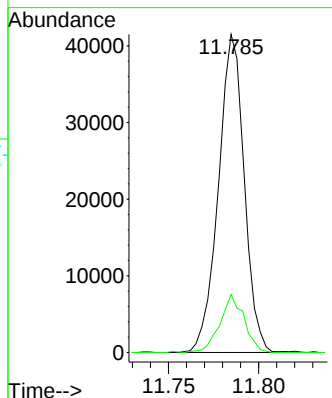
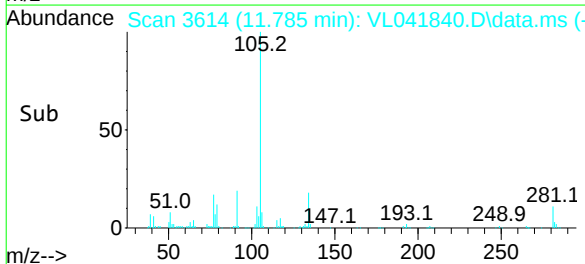
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 105 Resp: 41306
 Ion Ratio Lower Upper
 105 100
 134 17.1 14.6 22.0

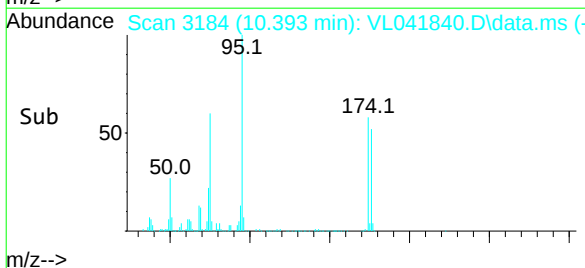
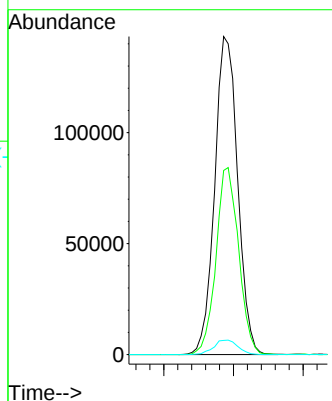
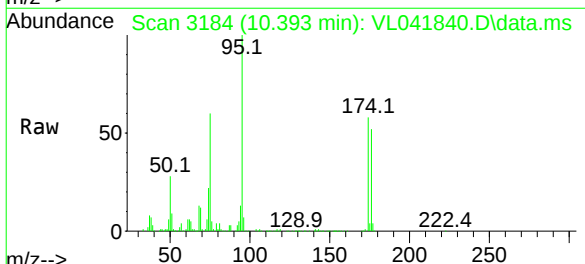
Manual Integrations
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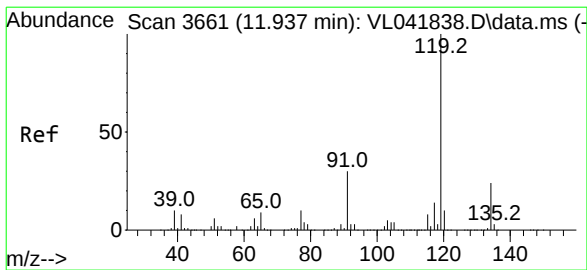
Reviewed By : Semsettin Yesilyurt 01/09/2025
 Supervised By : Mahesh Dadoda 01/09/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.879 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.003 min
 Lab File: VL041840.D
 Acq: 07 Jan 2025 10:21

Tgt Ion: 95 Resp: 164226
 Ion Ratio Lower Upper
 95 100
 174 57.9 47.6 71.4
 175 4.8 3.8 5.6





#69

p-Isopropyltoluene

Concen: 0.820 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. 0.006 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

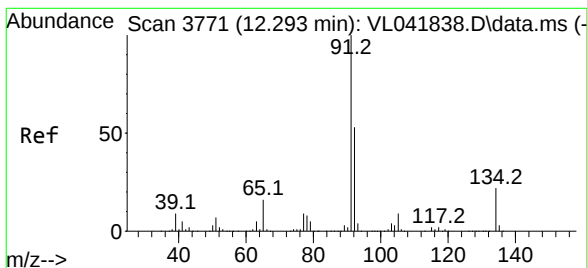
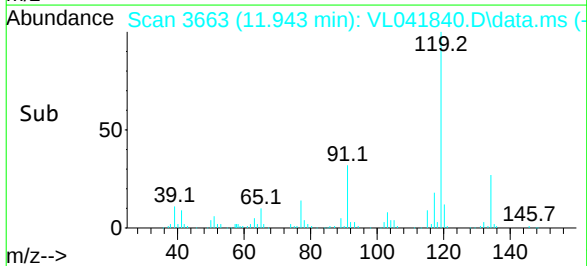
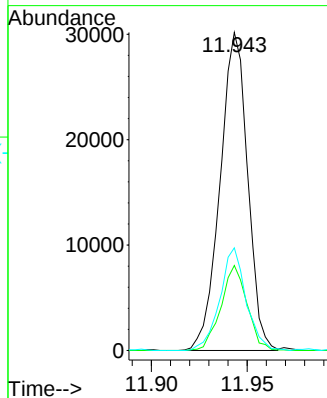
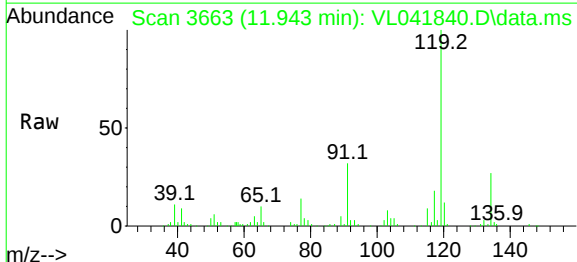
VSTDIC001

Tgt Ion:	119	Resp:	30189
Ion	Ratio	Lower	Upper
119	100		
134	25.3	19.4	29.2
91	31.1	24.0	36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#70

n-Butylbenzene

Concen: 0.817 ppbv

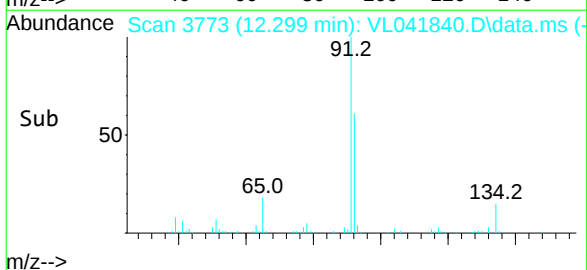
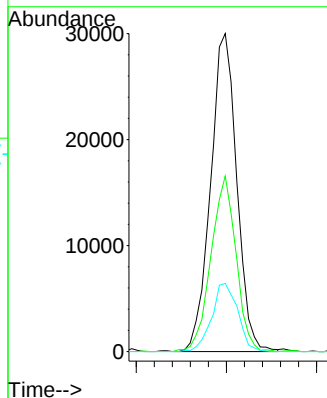
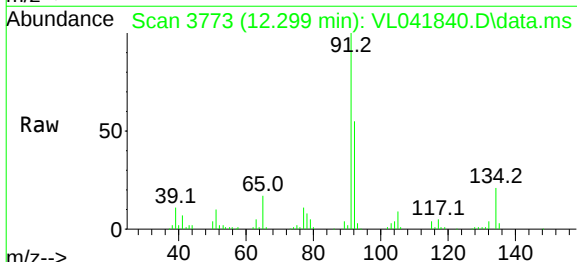
RT: 12.299 min Scan# 3773

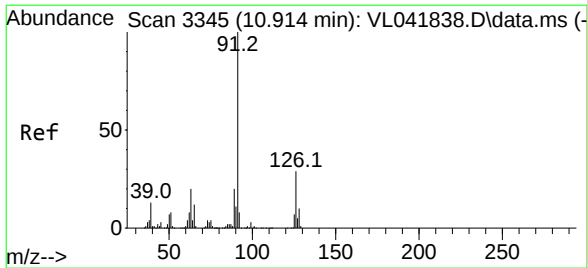
Delta R.T. 0.006 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Tgt Ion:	91	Resp:	30246
Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.8	64.2
134	21.4	17.8	26.6





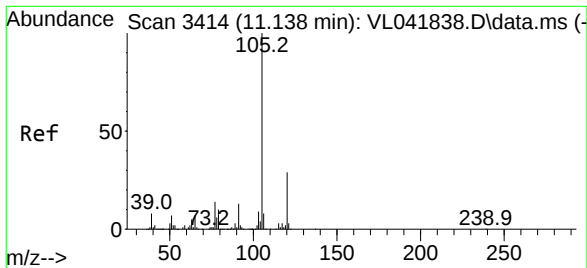
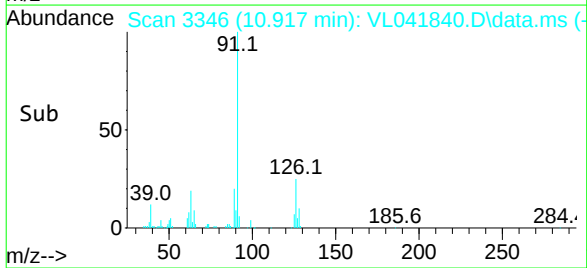
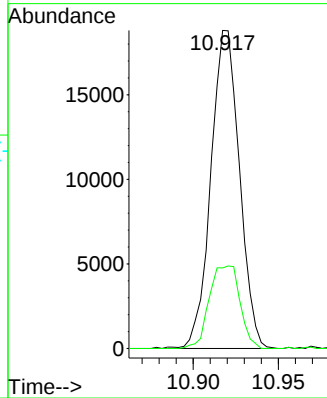
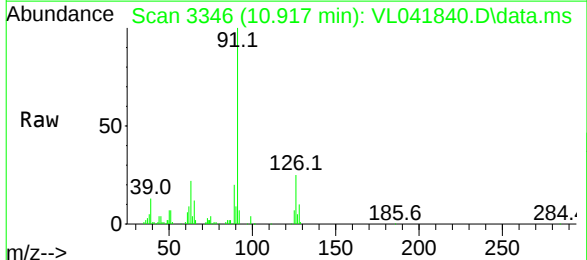
#71
2-Chlorotoluene
Concen: 0.847 ppbv
RT: 10.917 min Scan# 3345
Delta R.T. 0.003 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 21930
Ion Ratio Lower Upper
91 100
126 28.1 11.6 46.6

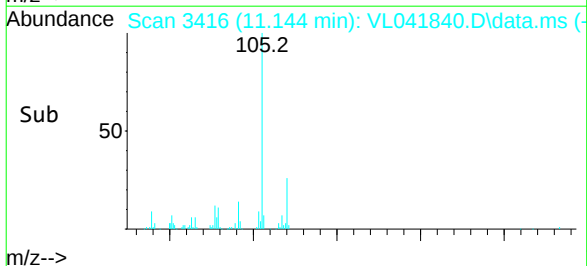
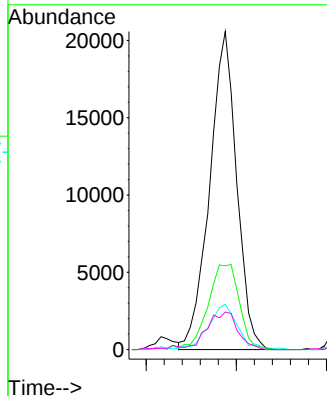
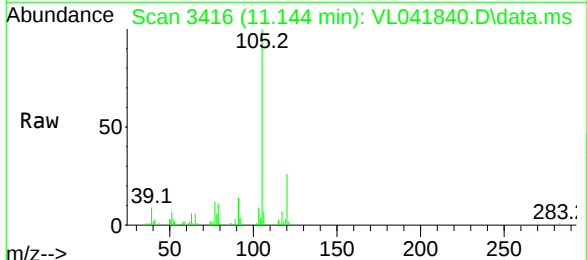
Manual Integrations
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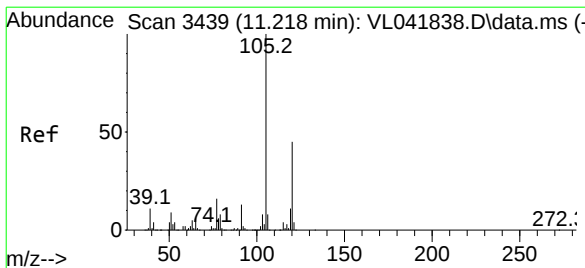
Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#72
4-Ethyltoluene
Concen: 0.780 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.006 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Tgt Ion:105 Resp: 21421
Ion Ratio Lower Upper
105 100
120 31.3 23.4 35.2
91 15.9 10.8 16.2
77 14.3 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.813 ppbv

RT: 11.222 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 19547

Ion Ratio Lower Upper

105 100

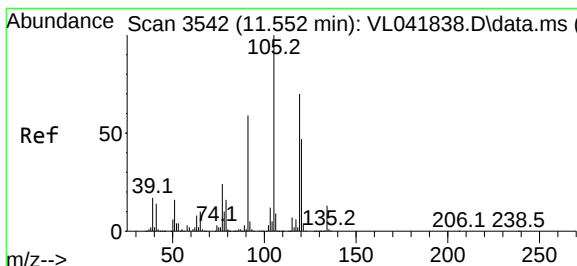
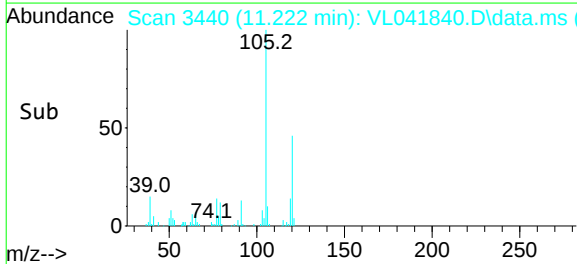
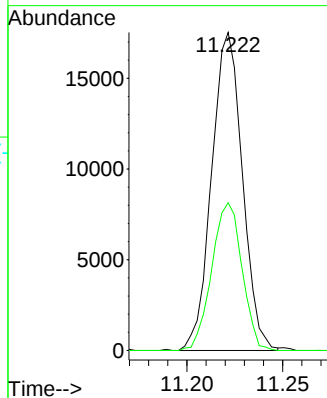
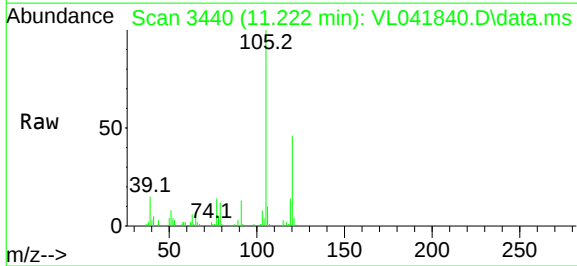
120 46.4 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025

Supervised By :Mahesh Dadoda 01/09/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.881 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Tgt Ion:105 Resp: 24542

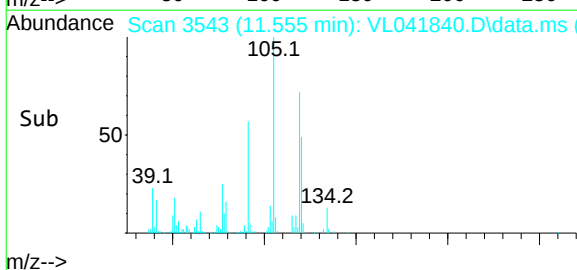
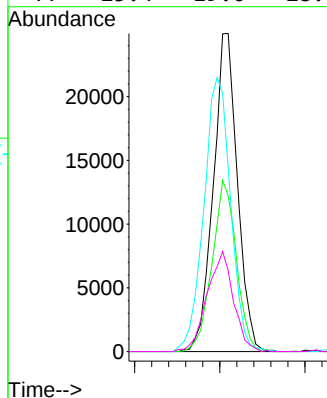
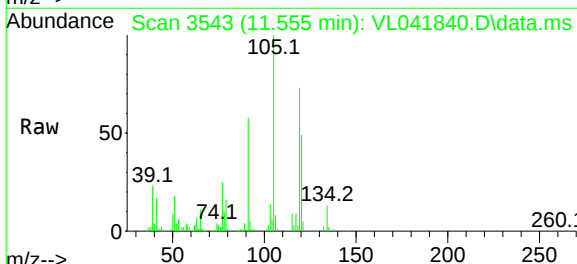
Ion Ratio Lower Upper

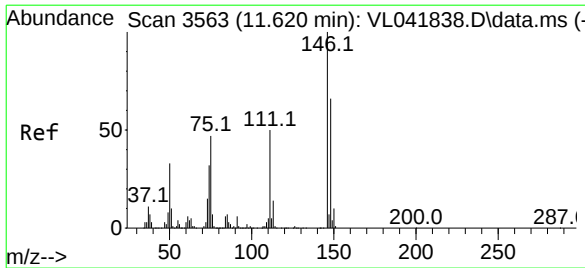
105 100

120 49.1 37.4 56.0

91 57.8 47.4 71.2

77 25.4 19.0 28.6





#75

1,3-Dichlorobenzene

Concen: 1.009 ppbv

RT: 11.626 min Scan# 3563

Delta R.T. 0.006 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

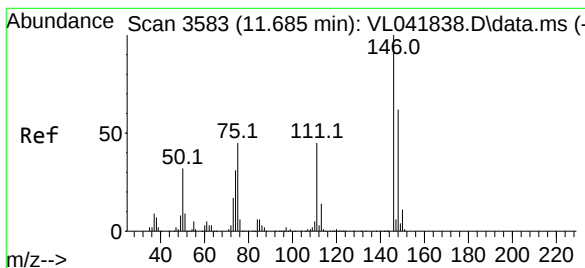
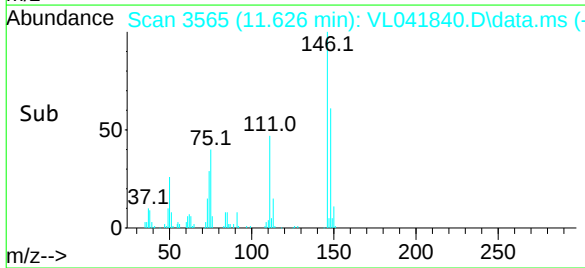
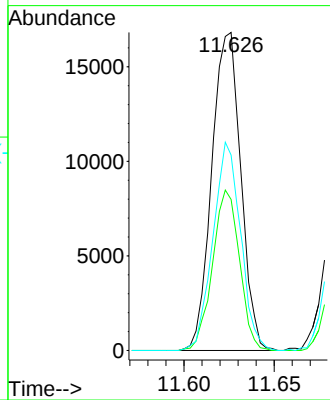
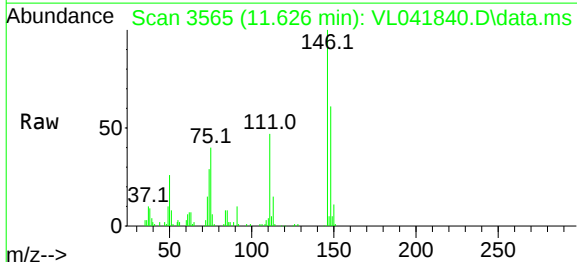
VSTDIC001

Tgt Ion:	146	Resp:	18815
Ion Ratio	Lower	Upper	
146	100		
111	46.8	24.1	72.2
148	62.3	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#76

1,4-Dichlorobenzene

Concen: 0.919 ppbv

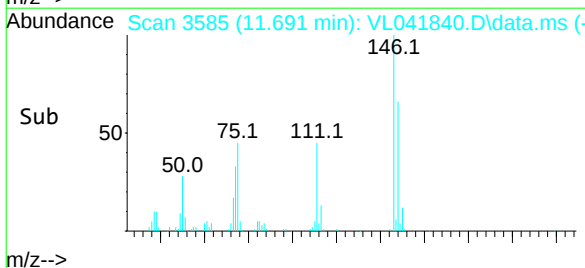
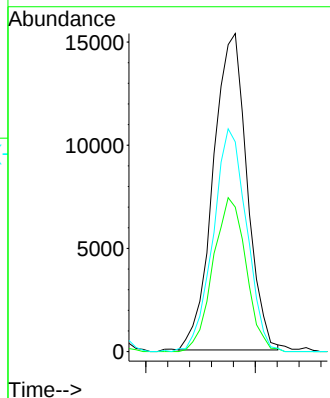
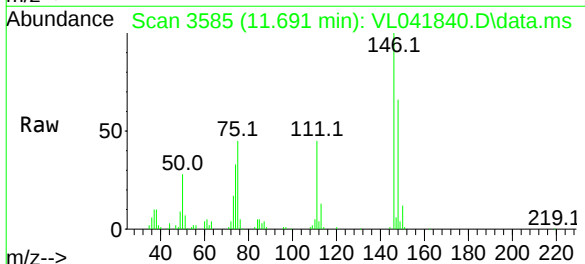
RT: 11.691 min Scan# 3585

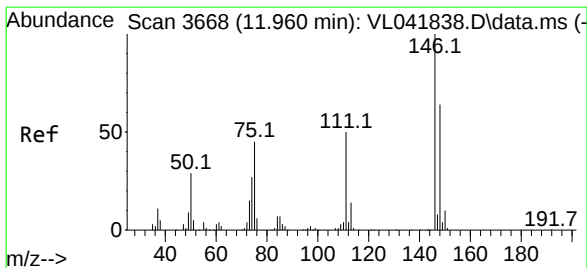
Delta R.T. 0.006 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Tgt Ion:	146	Resp:	16488
Ion Ratio	Lower	Upper	
146	100		
111	47.4	23.2	69.6
148	69.5	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 1.021 ppbv

RT: 11.963 min Scan# 3668

Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

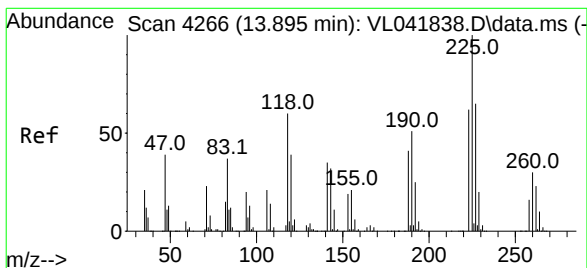
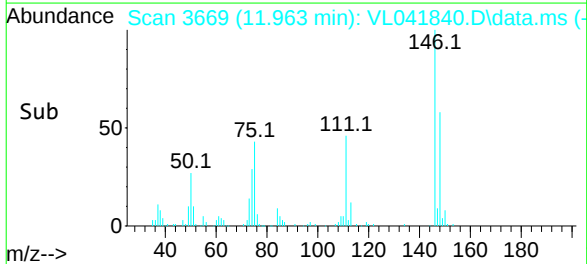
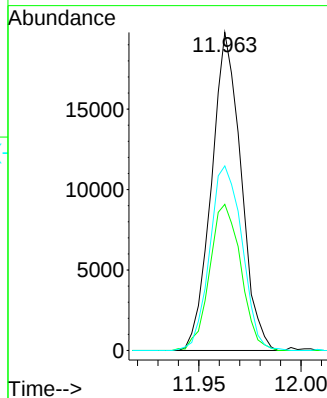
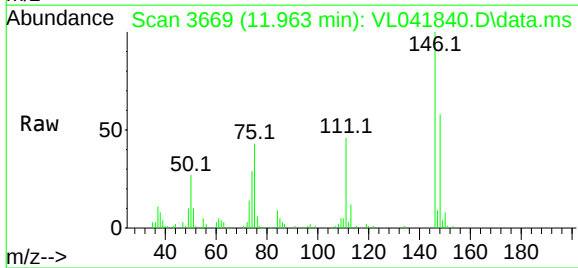
VSTDIC001

Tgt Ion:	146	Resp:	19852
Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.7	74.1
148	63.7	31.5	94.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#78

Hexachloro-1,3-Butadiene

Concen: 1.074 ppbv

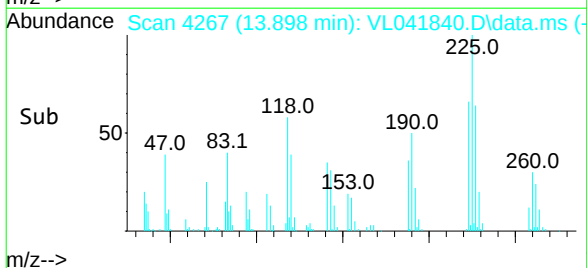
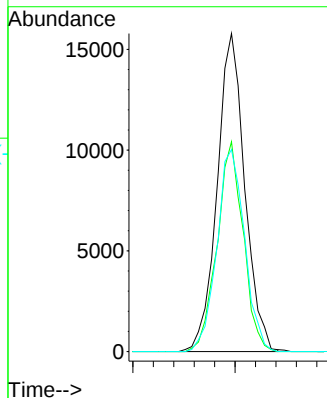
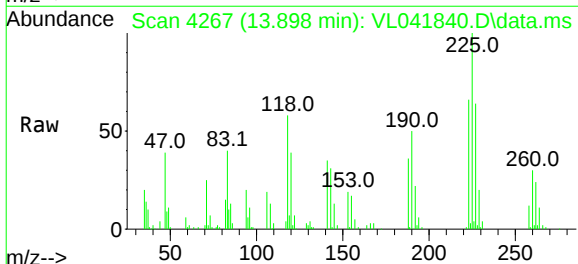
RT: 13.898 min Scan# 4267

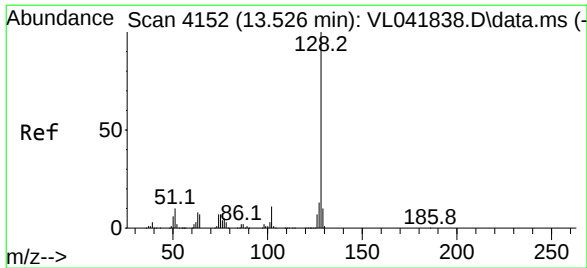
Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Tgt Ion:	225	Resp:	14814
Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.4	75.6
227	63.8	51.2	76.8





#79

Naphthalene

Concen: 0.812 ppbv

RT: 13.529 min Scan# 4153

Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

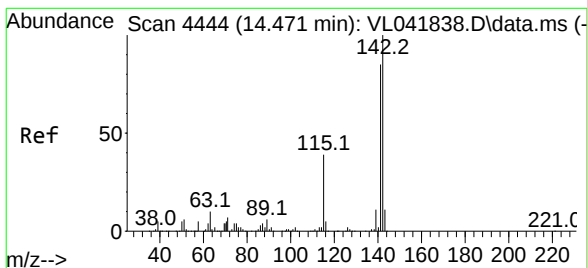
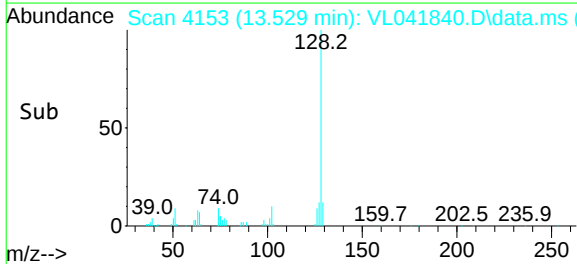
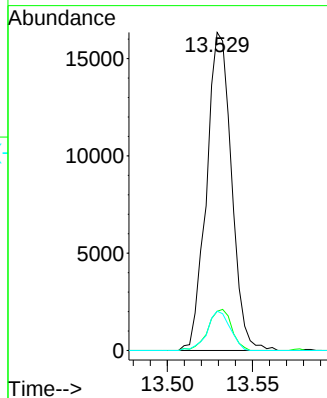
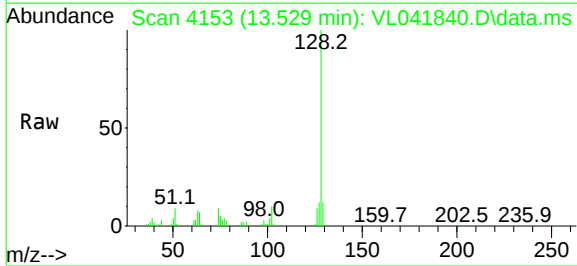
VSTDIC001

Tgt Ion:	128	Resp:	16677
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.5	15.7
129	12.4	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025



#80

Naphthalene, 2-methyl-

Concen: 0.751 ppbv

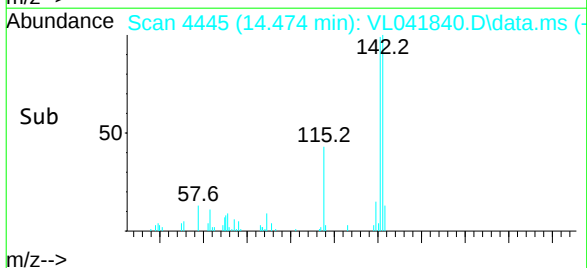
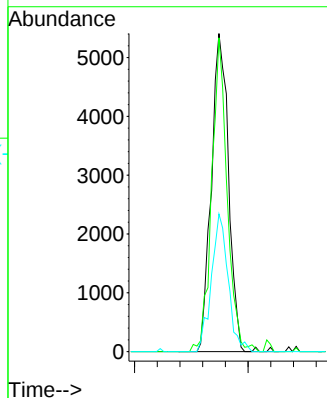
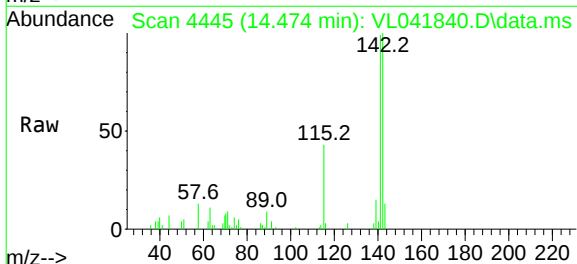
RT: 14.474 min Scan# 4445

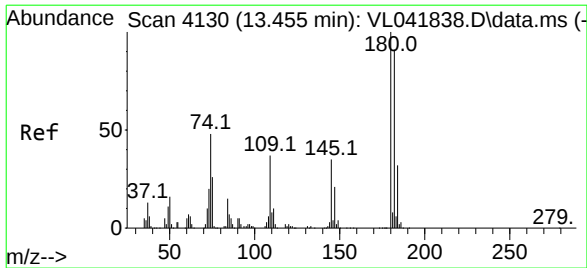
Delta R.T. 0.003 min

Lab File: VL041840.D

Acq: 07 Jan 2025 10:21

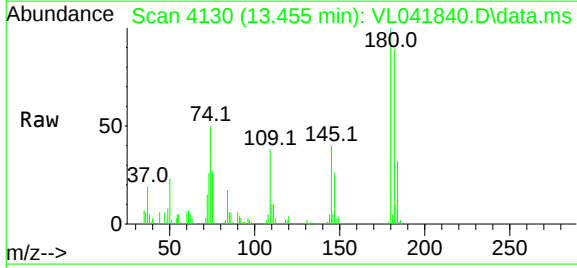
Tgt Ion:	142	Resp:	5705
Ion Ratio	Lower	Upper	
142	100		
141	88.5	67.8	101.8
115	42.0	32.6	48.8





#81
1,2,4-Trichlorobenzene
Concen: 0.886 ppbv
RT: 13.455 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041840.D
Acq: 07 Jan 2025 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt	Ion	180	Resp	10080
Ion	Ratio	Lower	Upper	
180	100			
182	93.6	75.9	113.9	
184	30.6	24.8	37.2	

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
Supervised By :Mahesh Dadoda 01/09/2025

