

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
 Data File : VL042044.D
 Acq On : 25 Feb 2025 10:31
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Feb 25 10:56:41 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

QLast Update : Tue Feb 25 10:31:48 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

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

Internal Standards						
1) Bromochloromethane	2.797	49	159644	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	421340	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	365954	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	281042	9.310	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	8852	0.322	ppbv	98
3) Chlorodifluoromethane	1.479	51	11921	0.392	ppbv	94
4) Chloromethane	1.537	50	3497	0.327	ppbv #	88
5) Vinyl Chloride	1.583	62	3005	0.235	ppbv	98
6) Bromomethane	1.673	94	1359	0.275	ppbv	92
7) Chloroethane	1.709	64	1205	0.290	ppbv	89
8) Dichlorotetrafluoroethane	1.557	85	7123	0.295	ppbv	99
9) Propene	1.486	41	4904	0.374	ppbv	94
10) Heptane	5.004	43	15731	0.432	ppbv	98
11) Trichlorofluoromethane	1.884	101	8429	0.305	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.146	101	7336	0.340	ppbv	98
13) Ethanol	1.725	45	426	0.288	ppbv	75
14) Bromoethene	1.787	108	2598	0.323	ppbv #	89
15) Acetone	1.842	43	8655	0.328	ppbv	96
16) 1,3-Butadiene	1.615	39	3803	0.304	ppbv	97
17) tert-Butyl alcohol	2.049	59	9447	0.290	ppbv #	90
18) 1,1-Dichloroethene	2.039	96	3173	0.308	ppbv	94
19) Isopropyl Alcohol	1.894	45	4481	0.303	ppbv #	32
20) Methylene Chloride	2.068	84	3423	0.345	ppbv	97
21) Allyl Chloride	2.104	41	5640	0.296	ppbv	100
22) trans-1,2-Dichloroethene	2.347	96	3838m	0.343	ppbv	
23) Vinyl Acetate	2.473	43	5499	0.385	ppbv #	86
24) 1,1-Dichloroethane	2.418	63	7396	0.326	ppbv #	88
25) Ethyl Acetate	2.848	43	30593	0.423	ppbv	98
26) Hexane	2.832	57	12739	0.439	ppbv	98
27) Carbon Disulfide	2.159	76	8316	0.305	ppbv #	15
28) Methyl tert-Butyl Ether	2.450	73	5185	0.292	ppbv #	80
29) Chloroform	2.858	83	17278	0.411	ppbv	93
30) Cyclohexane	3.874	84	9209	0.391	ppbv	88
31) cis-1,2-Dichloroethene	2.729	61	11344	0.395	ppbv	97
32) 1,1,1-Trichloroethane	3.382	97	15027	0.322	ppbv	93
34) 2-Butanone	2.570	43	17555	0.484	ppbv	99
35) Carbon Tetrachloride	3.780	117	14223	0.348	ppbv	90
36) Benzene	3.670	78	22728	0.445	ppbv	95
37) 1,2-Dichloroethane	3.230	62	13141	0.452	ppbv	100
38) Trichloroethene	4.570	130	9115	0.440	ppbv #	87
39) 1,2-Dichloropropane	4.331	63	8877m	0.474	ppbv	
40) 1,4-Dioxane	4.622	88	4046m	0.416	ppbv	
41) Tetrahydrofuran	3.078	42	9880	0.477	ppbv	98
42) Bromodichloromethane	4.505	83	16973	0.431	ppbv #	96
43) Methyl Methacrylate	4.904	69	8428	0.362	ppbv	93
44) 2,2,4-Trimethylpentane	4.661	57	40623	0.469	ppbv	98
45) t-1,3-Dichloropropene	6.441	75	8720m	0.397	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
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 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 25 10:56:41 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

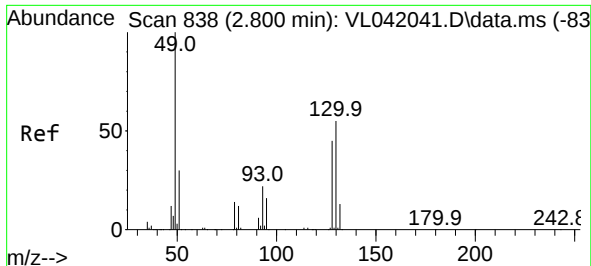
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Feb 25 10:31:48 2025

Response via : Initial Calibration

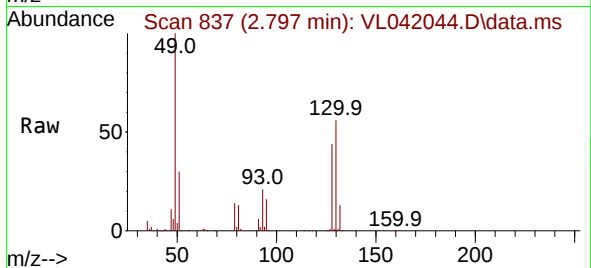
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	10834m	0.389	ppbv	
47) 1,1,2-Trichloroethane	6.609	97	8982m	0.456	ppbv	
48) Dibromochloromethane	7.406	129	13014m	0.395	ppbv	
49) Bromoform	9.496	173	11640	0.430	ppbv	98
50) 4-Methyl-2-Pentanone	5.794	43	20992m	0.377	ppbv	
51) 2-Hexanone	7.470	43	12149m	0.267	ppbv	
52) Tetrachloroethene	8.241	164	8012	0.450	ppbv	95
53) Toluene	6.956	91	24224	0.398	ppbv	96
54) 1,2-Dibromoethane	7.674	107	11718m	0.432	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.940	131	11100	0.424	ppbv #	61
57) Chlorobenzene	8.936	112	20167	0.468	ppbv	97
58) Ethyl Benzene	9.370	91	34506	0.431	ppbv	90
59) m/p-Xylene	9.568	91	54449m	0.863	ppbv	
60) o-Xylene	9.979	91	28757	0.451	ppbv	95
61) Styrene	9.885	104	12051	0.396	ppbv	99
62) Isopropylbenzene	10.552	105	42074	0.439	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.975	83	18774	0.456	ppbv	96
64) n-propylbenzene	11.001	120	10900	0.463	ppbv	100
65) tert-Butylbenzene	11.542	119	38066	0.456	ppbv	98
66) Benzyl Chloride	11.626	91	2589	0.309	ppbv #	96
67) sec-Butylbenzene	11.778	105	54394	0.464	ppbv	97
69) p-Isopropyltoluene	11.937	119	40978	0.427	ppbv	95
70) n-Butylbenzene	12.293	91	42673	0.451	ppbv	99
71) 2-Chlorotoluene	10.914	91	32161	0.446	ppbv	99
72) 4-Ethyltoluene	11.137	105	32477	0.434	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.215	105	29130	0.452	ppbv	91
74) 1,2,4-Trimethylbenzene	11.548	105	33950	0.491	ppbv	97
75) 1,3-Dichlorobenzene	11.616	146	20339	0.546	ppbv	96
76) 1,4-Dichlorobenzene	11.684	146	20492	0.564	ppbv	93
77) 1,2-Dichlorobenzene	11.959	146	19373	0.544	ppbv	96
78) Hexachloro-1,3-Butadiene	13.892	225	15367	0.522	ppbv	99
79) Naphthalene	13.523	128	17897	0.263	ppbv #	95
80) Naphthalene,2-methyl-	14.478	142	1646	0.053	ppbv #	81
81) 1,2,4-Trichlorobenzene	13.452	180	10771	0.389	ppbv	94

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

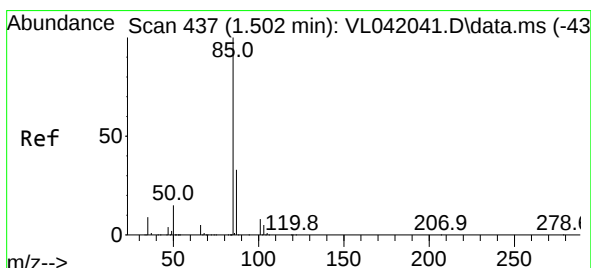
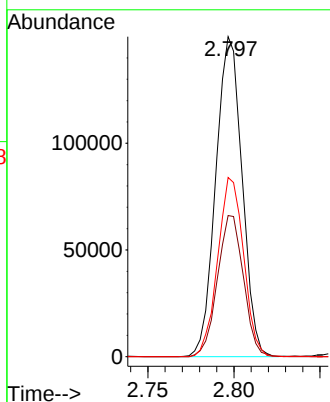
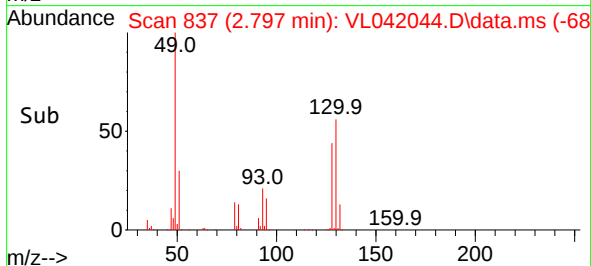
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



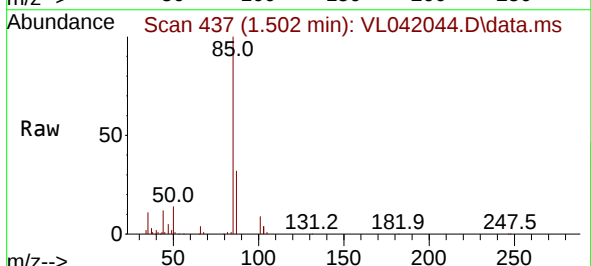
Tgt Ion: 49 Resp: 159644
Ion Ratio Lower Upper
49 100
128 43.5 21.6 64.8
130 55.1 27.8 83.4

Manual Integrations
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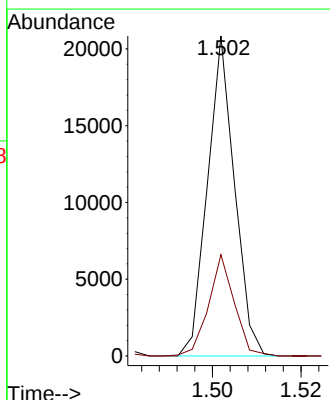
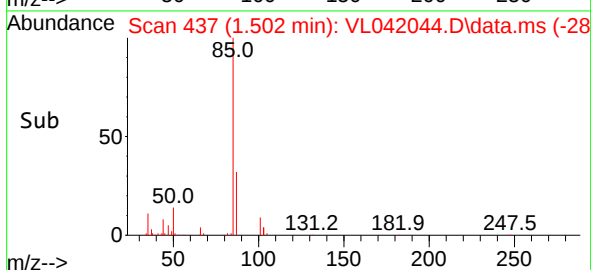
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

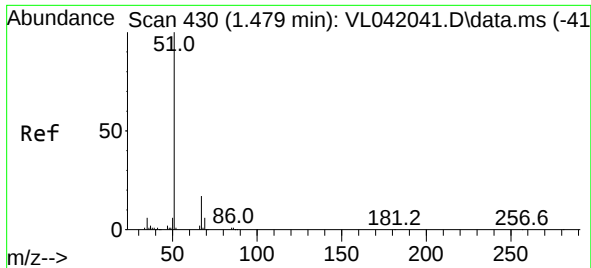


#2
Dichlorodifluoromethane
Concen: 0.322 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31



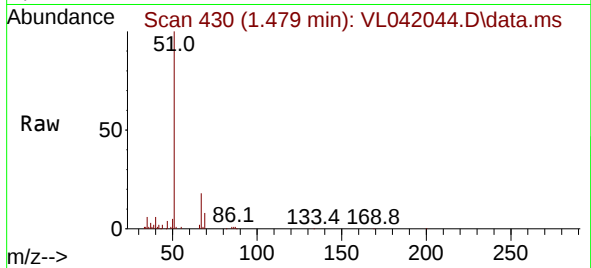
Tgt Ion: 85 Resp: 8852
Ion Ratio Lower Upper
85 100
87 31.7 26.4 39.6





#3
Chlorodifluoromethane
Concen: 0.392 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

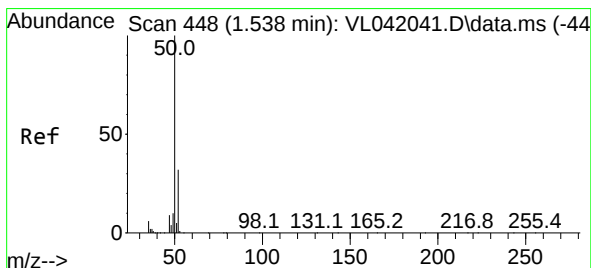
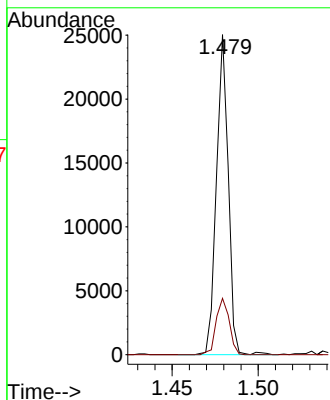
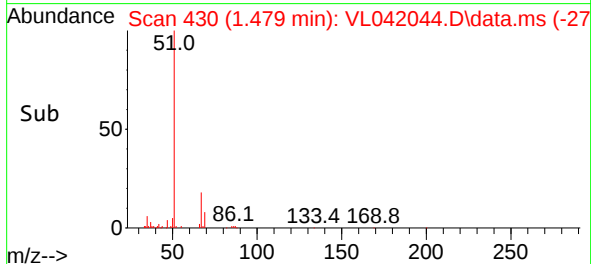
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



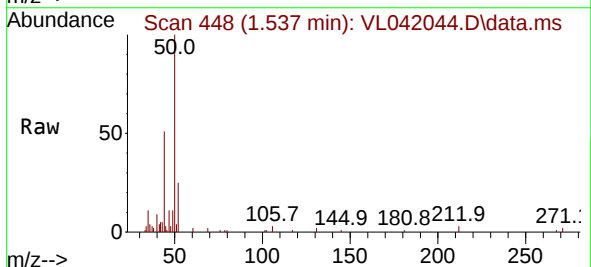
Tgt Ion: 51 Resp: 1192
Ion Ratio Lower Upper
51 100
67 19.6 13.7 20.5

Manual Integrations
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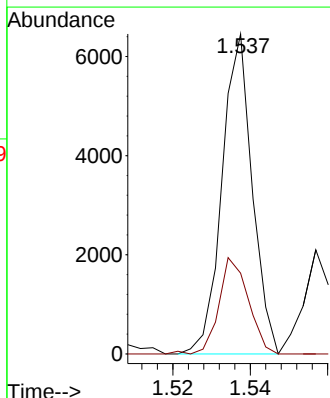
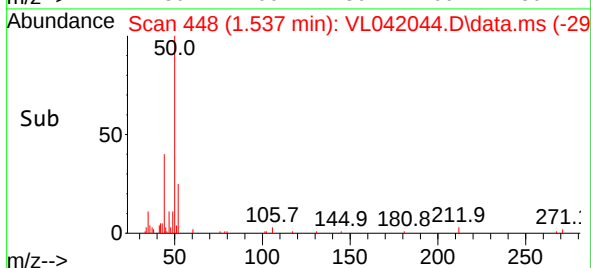
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

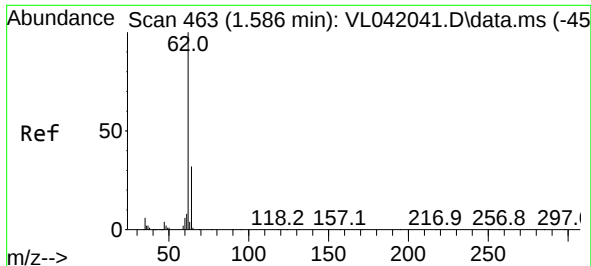


#4
Chloromethane
Concen: 0.327 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31



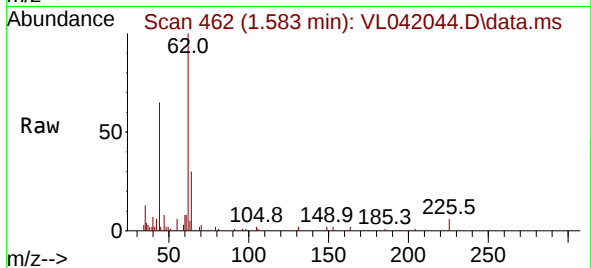
Tgt Ion: 50 Resp: 3497
Ion Ratio Lower Upper
50 100
52 25.3 25.4 38.0#





#5
 Vinyl Chloride
 Concen: 0.235 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.004 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31

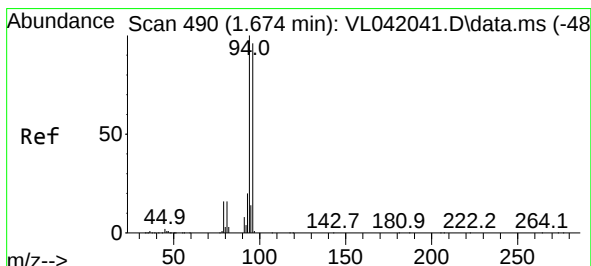
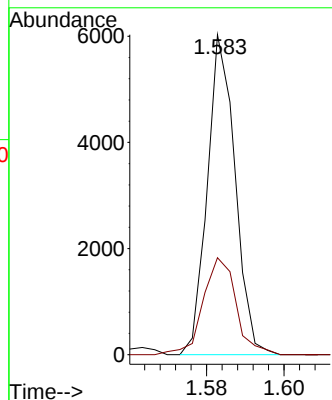
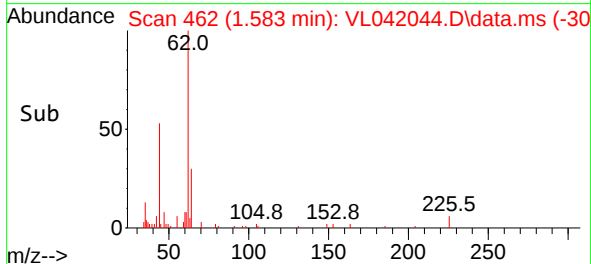
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 62 Resp: 300
 Ion Ratio Lower Upper
 62 100
 64 30.3 25.3 37.9

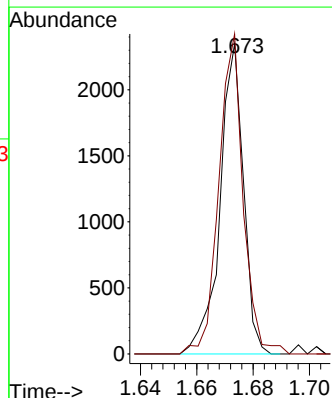
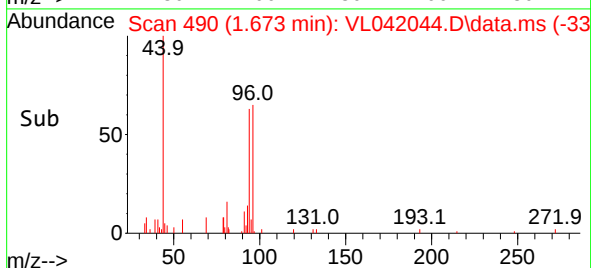
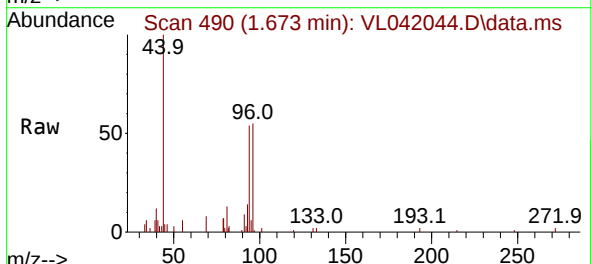
Manual Integrations
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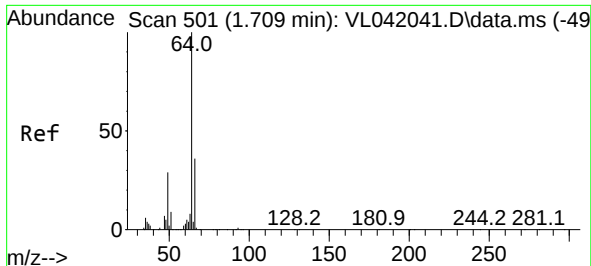
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#6
 Bromomethane
 Concen: 0.275 ppbv
 RT: 1.673 min Scan# 490
 Delta R.T. -0.000 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31

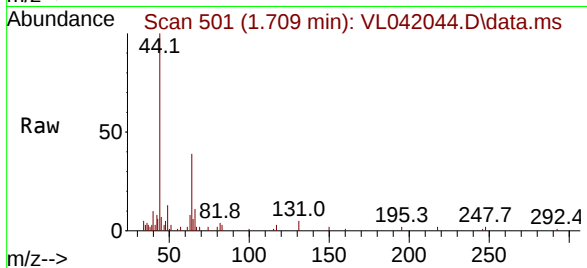
Tgt Ion: 94 Resp: 1359
 Ion Ratio Lower Upper
 94 100
 96 103.2 76.5 114.7





#7
Chloroethane
Concen: 0.290 ppbv
RT: 1.709 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

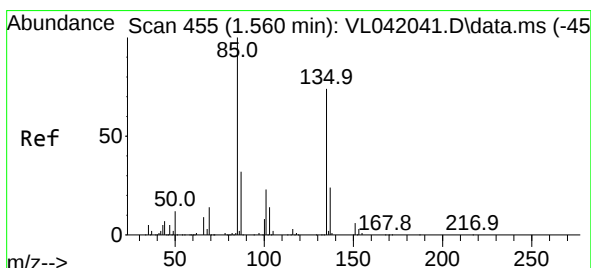
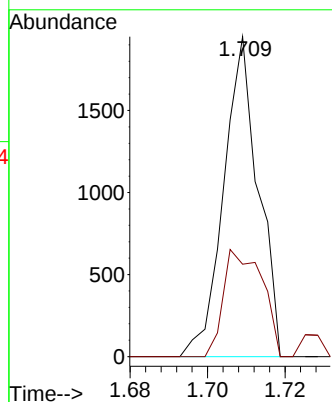
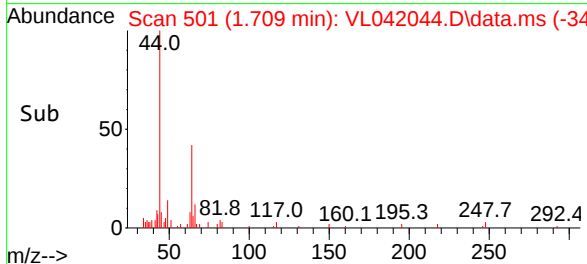
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



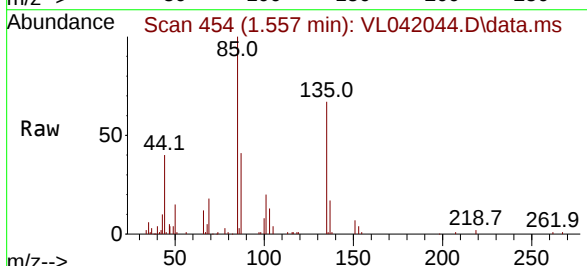
Tgt Ion: 64 Resp: 1209
Ion Ratio Lower Upper
64 100
66 28.9 28.4 42.6

Manual Integrations
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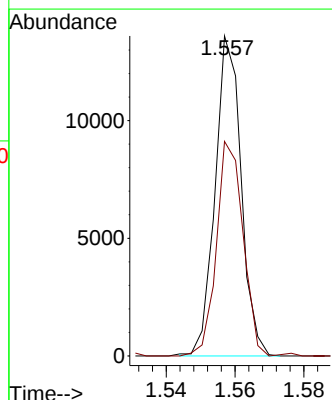
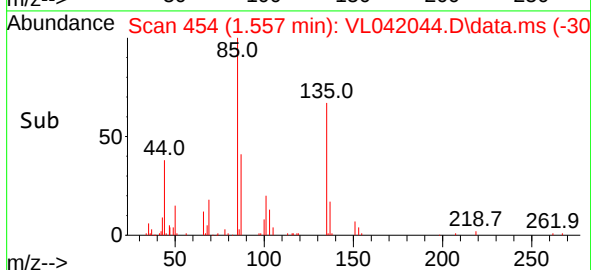
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

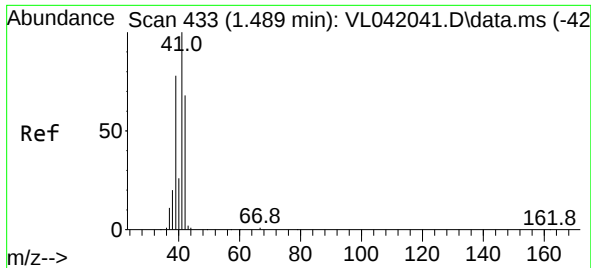


#8
Dichlorotetrafluoroethane
Concen: 0.295 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31



Tgt Ion: 85 Resp: 7123
Ion Ratio Lower Upper
85 100
135 69.0 54.6 81.8





#9

Propene

Concen: 0.374 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.004 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 41 Resp: 4904

Ion Ratio Lower Upper

41 100

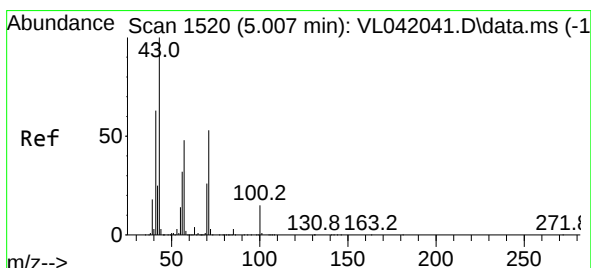
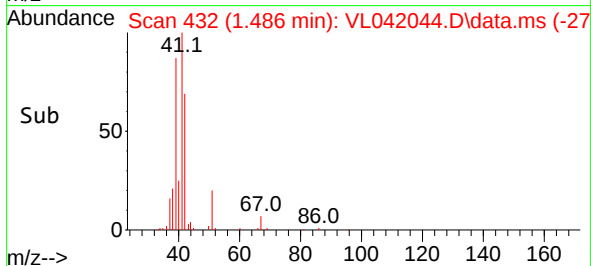
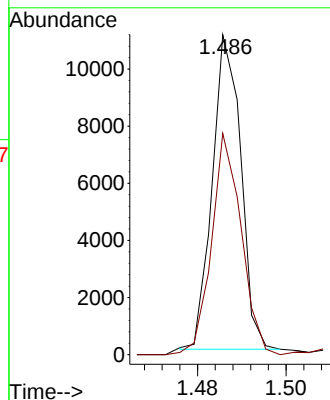
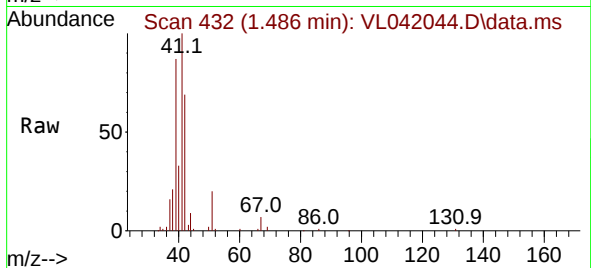
42 74.6 55.8 83.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#10

Heptane

Concen: 0.432 ppbv

RT: 5.004 min Scan# 1519

Delta R.T. -0.003 min

Lab File: VL042044.D

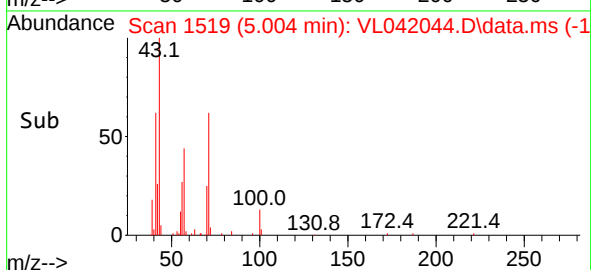
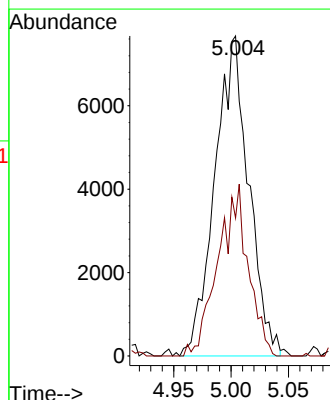
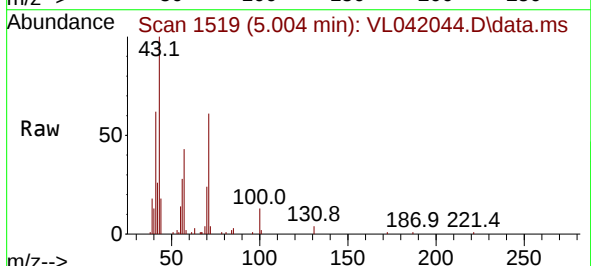
Acq: 25 Feb 2025 10:31

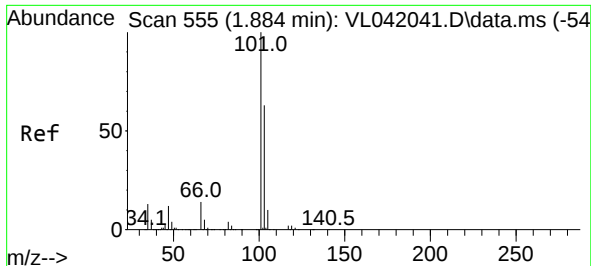
Tgt Ion: 43 Resp: 15731

Ion Ratio Lower Upper

43 100

57 47.7 39.4 59.0





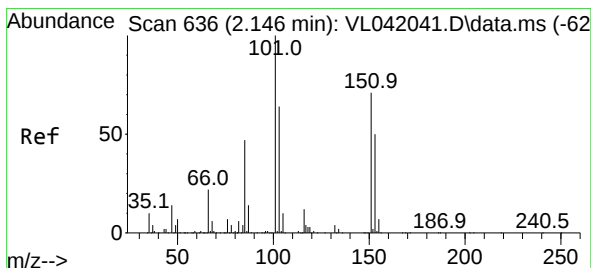
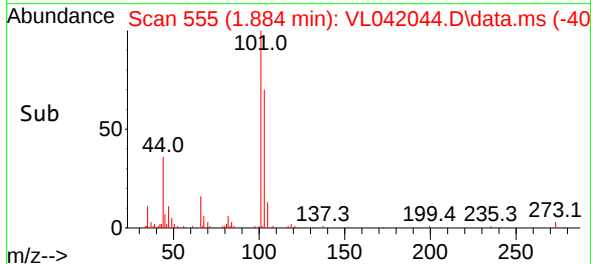
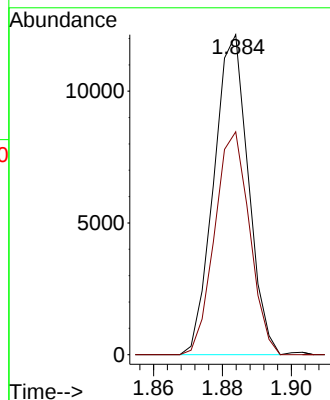
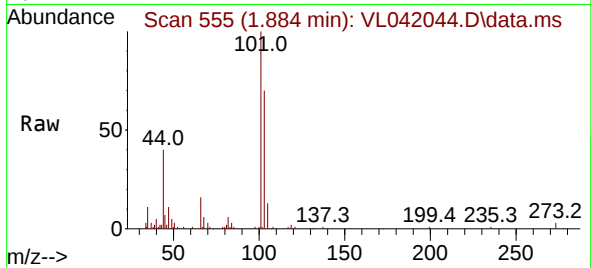
#11
Trichlorofluoromethane
Concen: 0.305 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 8429
Ion Ratio Lower Upper
101 100
103 69.6 50.6 75.8

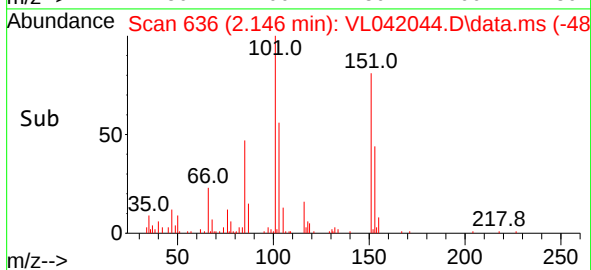
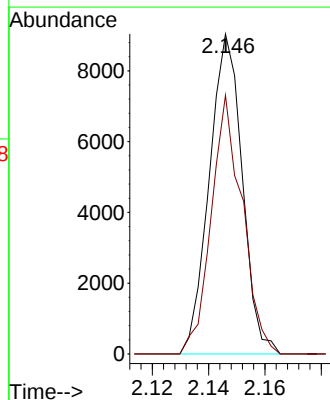
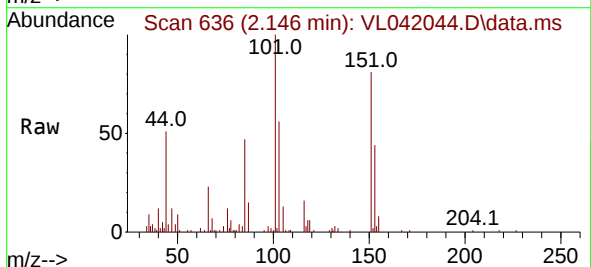
Manual Integrations
APPROVED

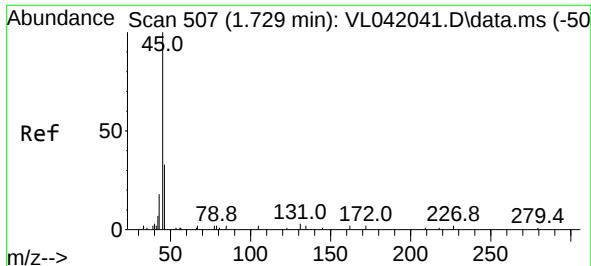
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.340 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

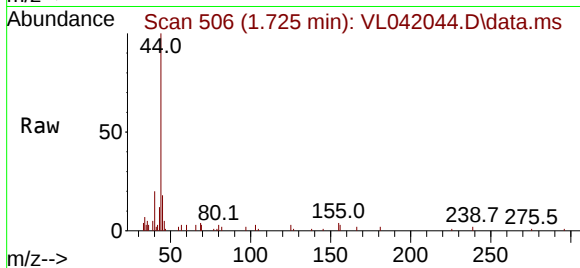
Tgt Ion:101 Resp: 7336
Ion Ratio Lower Upper
101 100
151 76.2 62.6 94.0





#13
Ethanol
Concen: 0.288 ppbv
RT: 1.725 min Scan# 507
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

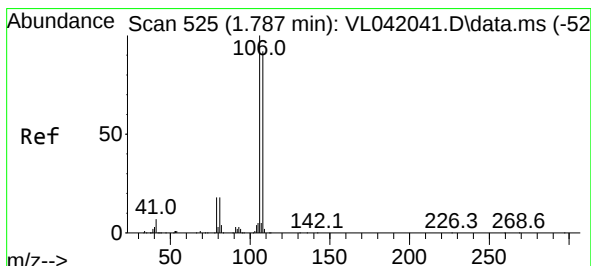
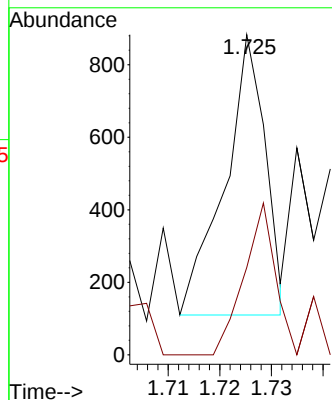
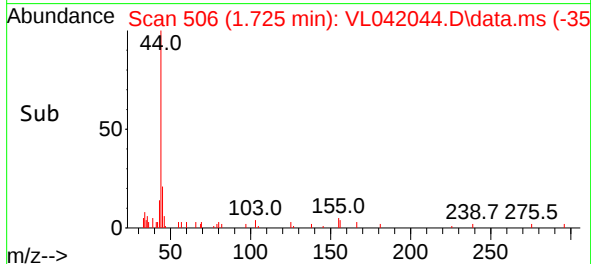
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



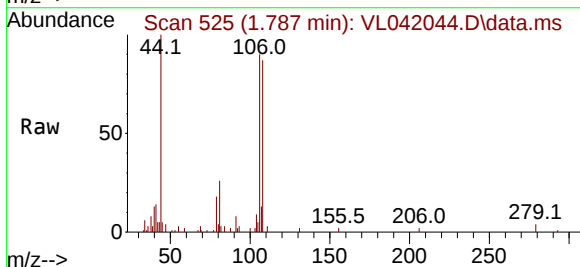
Tgt Ion: 45 Resp: 420
Ion Ratio Lower Upper
45 100
46 58.9 17.1 68.3

Manual Integrations
APPROVED

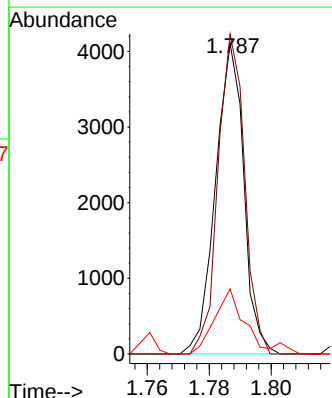
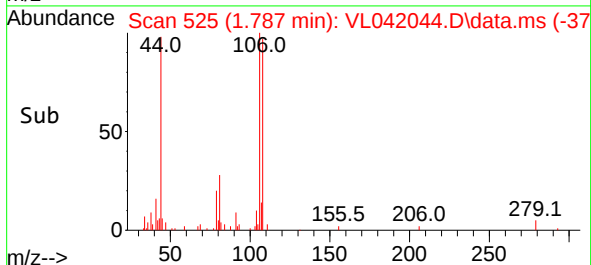
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

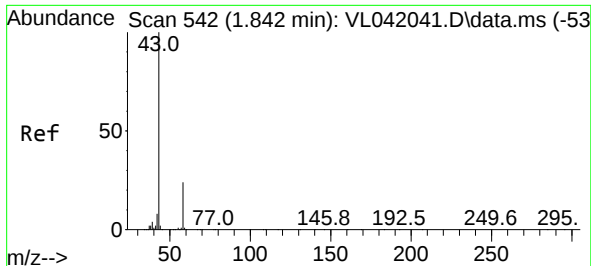


#14
Bromoethene
Concen: 0.323 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31



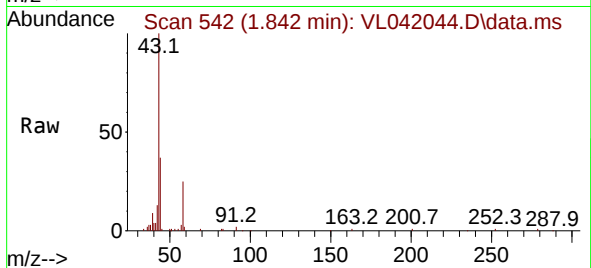
Tgt Ion:108 Resp: 2598
Ion Ratio Lower Upper
108 100
106 96.8 85.4 128.0
79 27.9 16.5 24.7#





#15
Acetone
Concen: 0.328 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

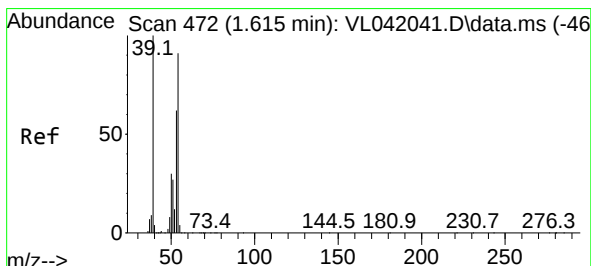
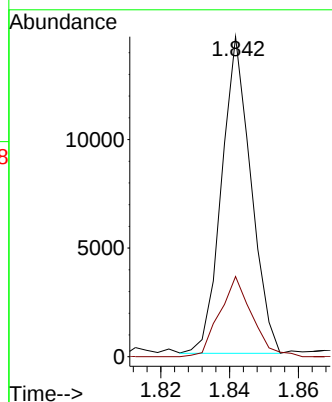
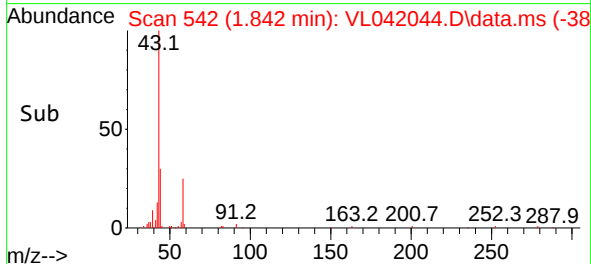
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



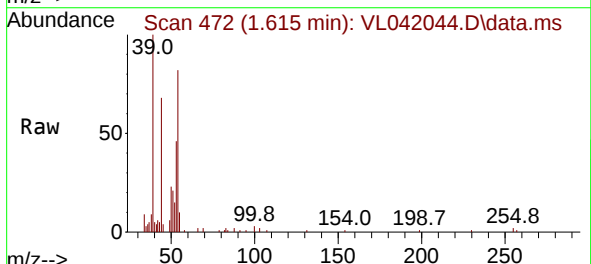
Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
58 27.9 20.7 31.1

Manual Integrations
APPROVED

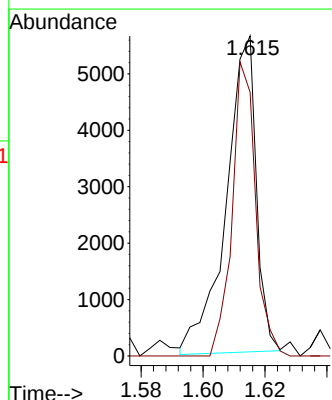
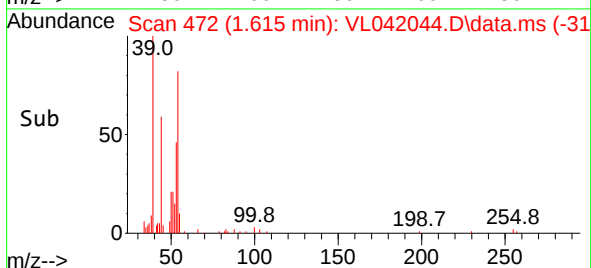
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

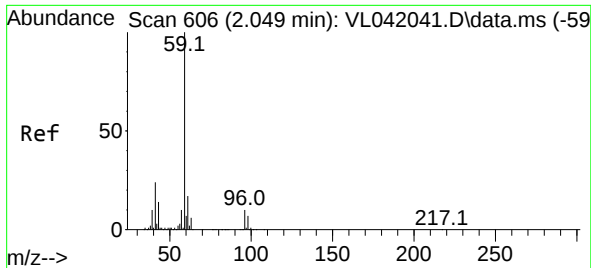


#16
1,3-Butadiene
Concen: 0.304 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31



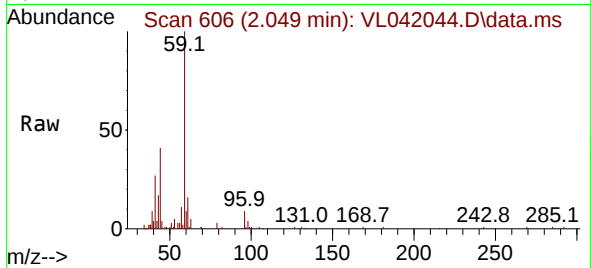
Tgt Ion: 39 Resp: 3803
Ion Ratio Lower Upper
39 100
54 71.9 59.6 89.4





#17
tert-Butyl alcohol
Concen: 0.290 ppbv
RT: 2.049 min Scan# 606
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

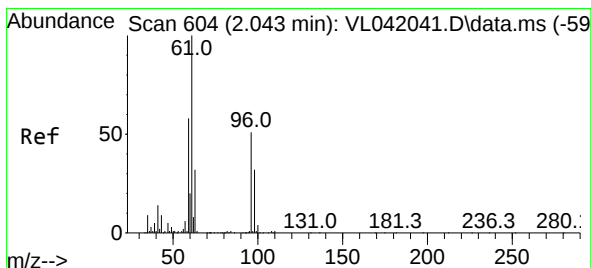
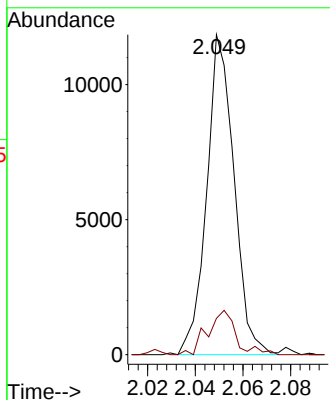
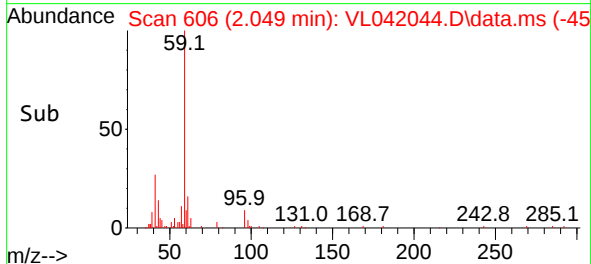
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



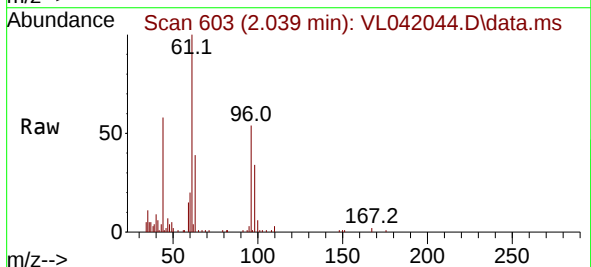
Tgt Ion: 59 Resp: 944
Ion Ratio Lower Upper
59 100
57 15.3 9.3 13.9

Manual Integrations
APPROVED

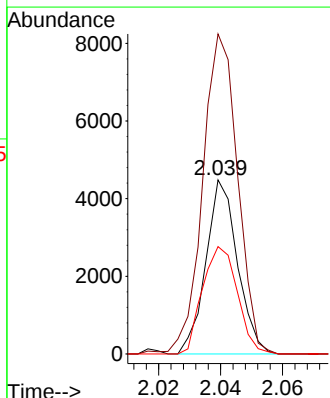
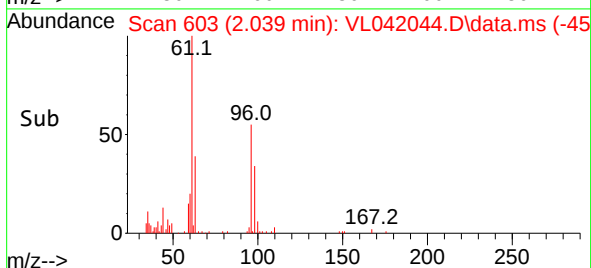
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

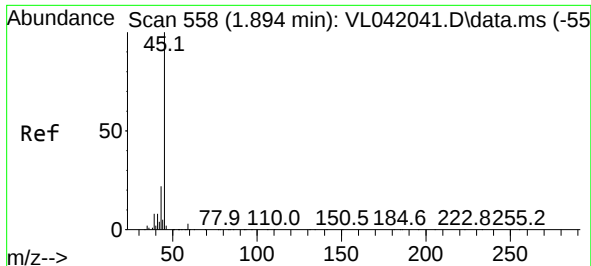


#18
1,1-Dichloroethene
Concen: 0.308 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31



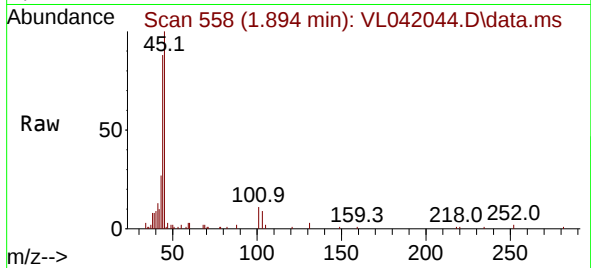
Tgt Ion: 96 Resp: 3173
Ion Ratio Lower Upper
96 100
61 183.8 156.0 234.0
98 61.6 49.4 74.2





#19
Isopropyl Alcohol
Concen: 0.303 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

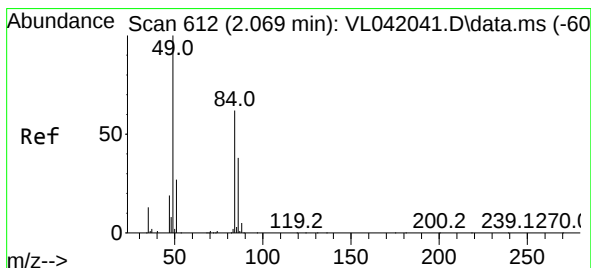
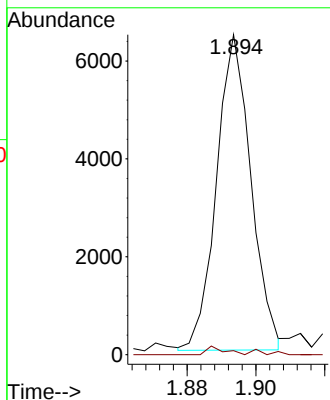
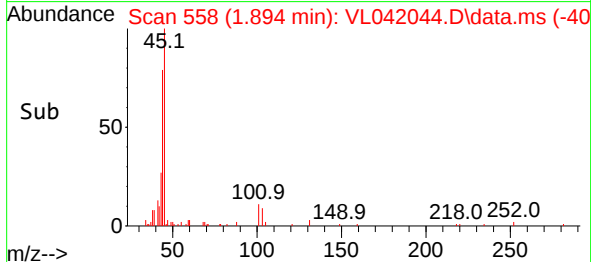
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



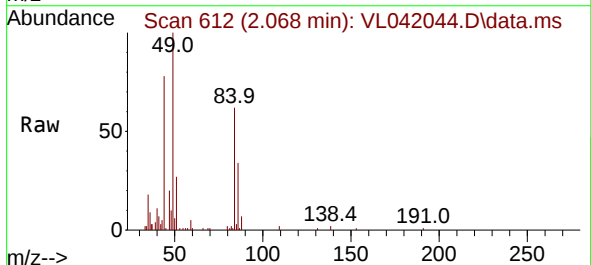
Tgt Ion: 45 Resp: 448
Ion Ratio Lower Upper
45 100
58 0.0 35.3 52.9

Manual Integrations
APPROVED

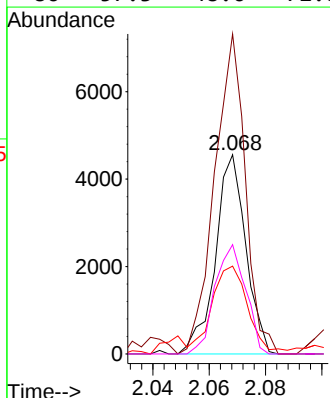
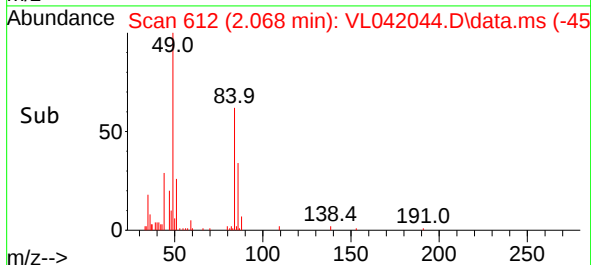
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

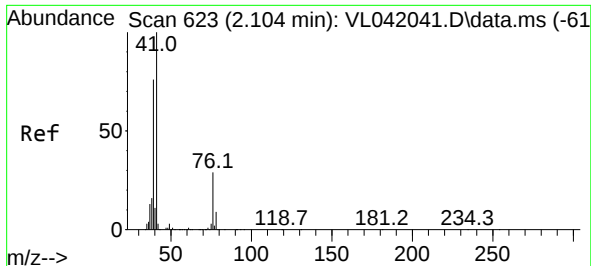


#20
Methylene Chloride
Concen: 0.345 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31



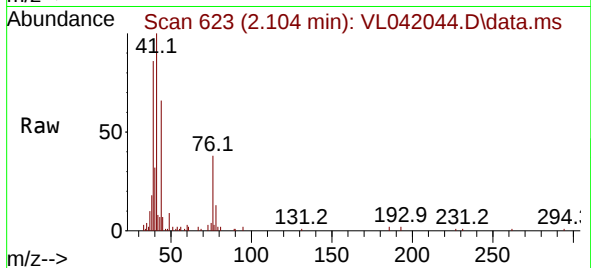
Tgt Ion: 84 Resp: 3423
Ion Ratio Lower Upper
84 100
49 160.7 130.0 195.0
51 41.5 37.4 56.0
86 57.3 48.6 72.8





#21
 Allyl Chloride
 Concen: 0.296 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31

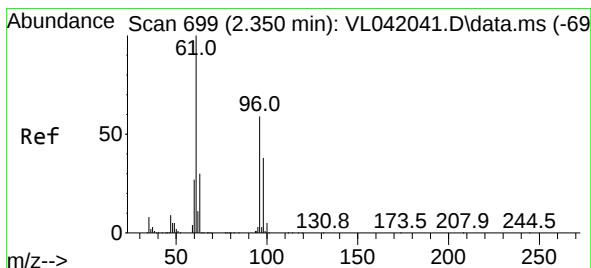
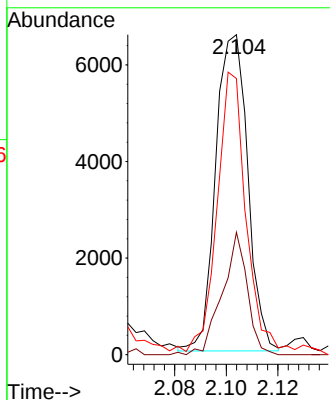
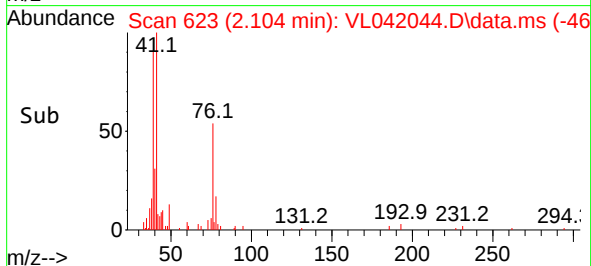
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



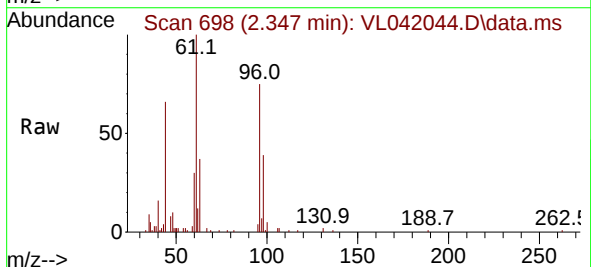
Tgt Ion: 41 Resp: 5640
 Ion Ratio Lower Upper
 41 100
 76 30.2 23.8 35.6
 39 79.8 63.8 95.6

Manual Integrations
 APPROVED

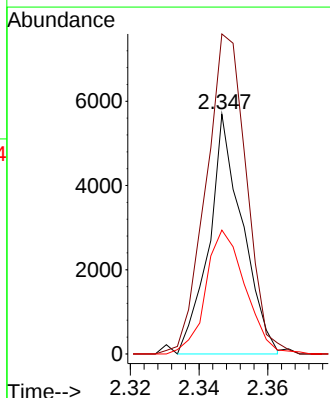
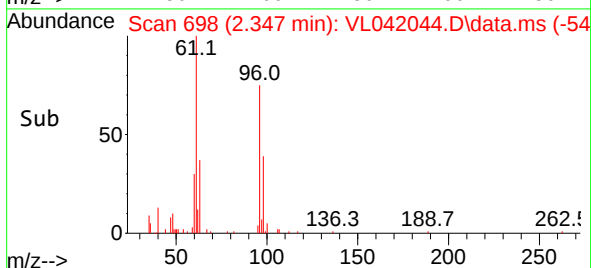
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

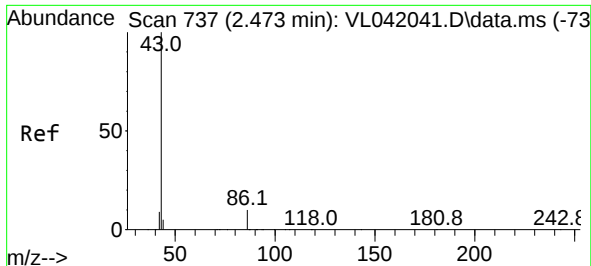


#22
 trans-1,2-Dichloroethene
 Concen: 0.343 ppbv m
 RT: 2.347 min Scan# 698
 Delta R.T. -0.003 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31



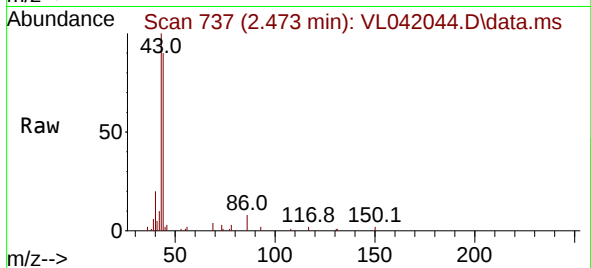
Tgt Ion: 96 Resp: 3838
 Ion Ratio Lower Upper
 96 100
 61 133.5 136.6 205.0#
 98 51.7 51.8 77.6#





#23
 Vinyl Acetate
 Concen: 0.385 ppbv
 RT: 2.473 min Scan# 737
 Delta R.T. -0.000 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31

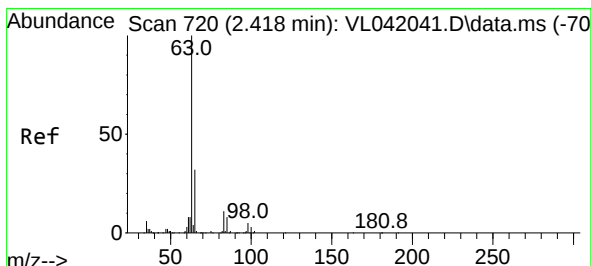
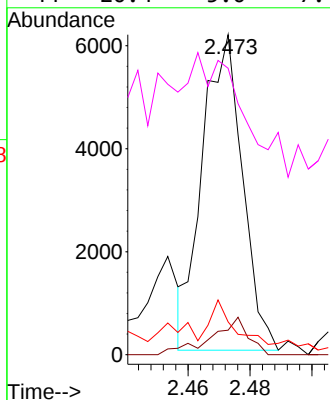
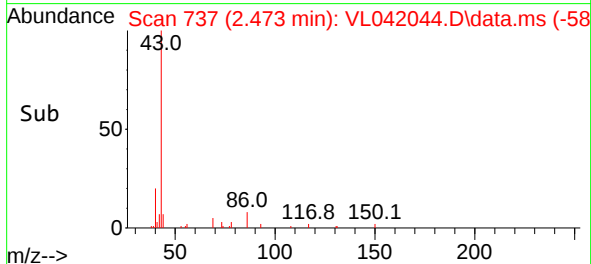
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



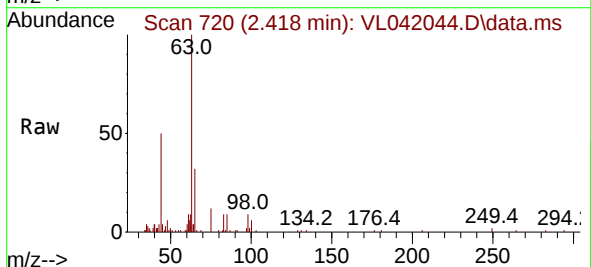
Tgt Ion: 43 Resp: 5499
 Ion Ratio Lower Upper
 43 100
 86 7.8 7.0 10.4
 42 6.8 7.6 11.4
 44 20.4 5.0 7.4#

Manual Integrations
 APPROVED

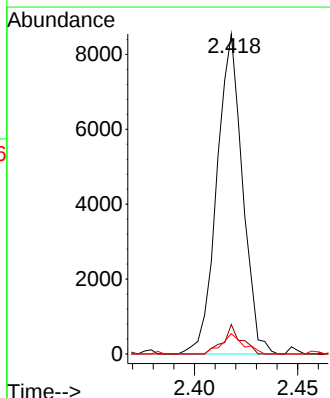
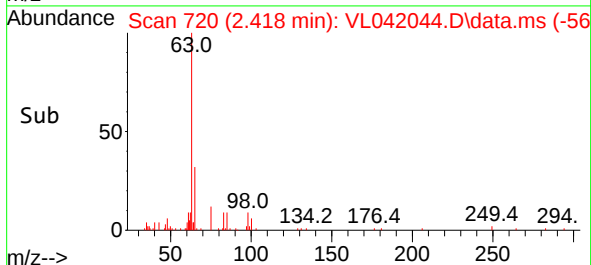
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

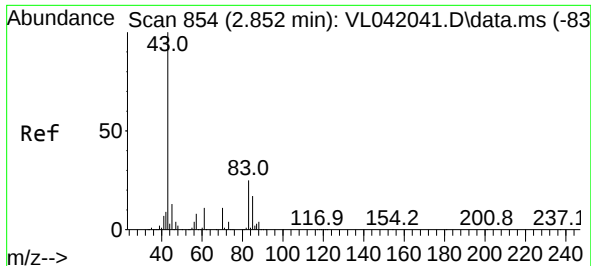


#24
 1,1-Dichloroethane
 Concen: 0.326 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. -0.000 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31



Tgt Ion: 63 Resp: 7396
 Ion Ratio Lower Upper
 63 100
 98 9.2 2.4 7.2#
 100 6.4 1.7 5.0#





#25

Ethyl Acetate

Concen: 0.423 ppbv

RT: 2.848 min Scan# 8

Delta R.T. -0.003 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 3059

Ion Ratio Lower Upper

43 100

45 11.3 8.1 12.1

61 9.2 7.2 10.8

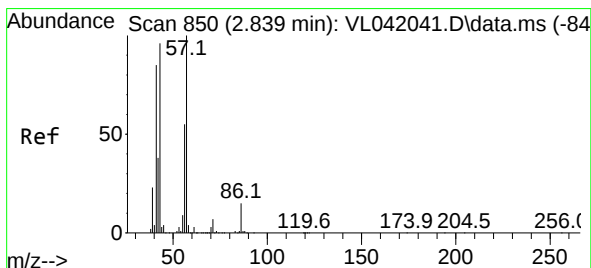
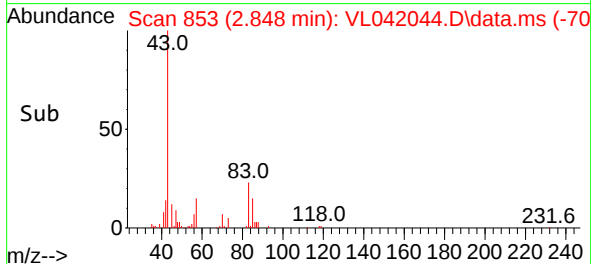
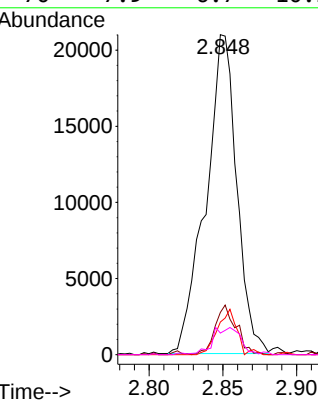
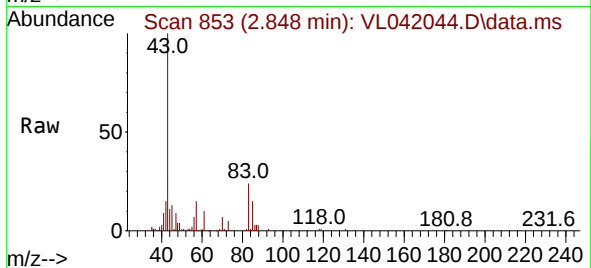
70 7.9 6.7 10.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#26

Hexane

Concen: 0.439 ppbv

RT: 2.832 min Scan# 848

Delta R.T. -0.007 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

Tgt Ion: 57 Resp: 12739

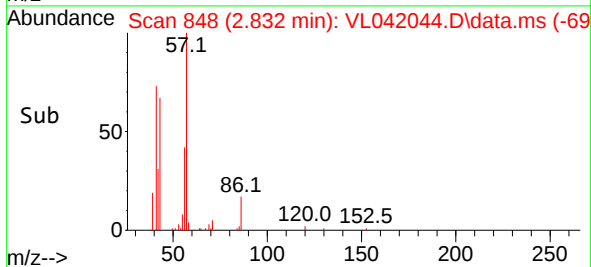
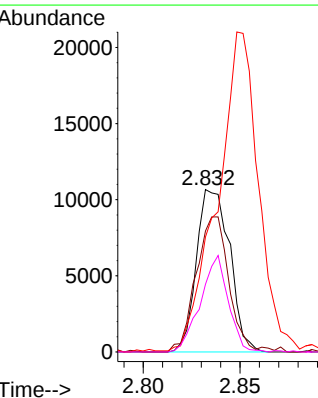
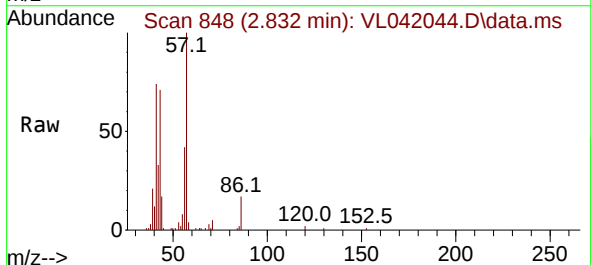
Ion Ratio Lower Upper

57 100

41 83.6 70.6 106.0

43 250.3 199.4 299.0

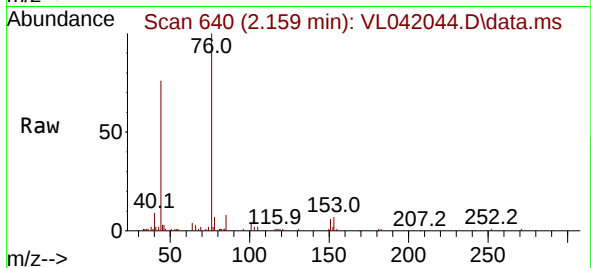
56 50.0 42.6 64.0





#27
Carbon Disulfide
Concen: 0.305 ppbv
RT: 2.159 min Scan# 640
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

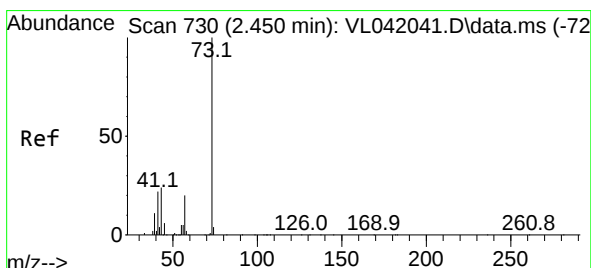
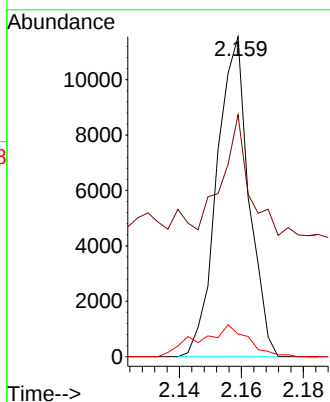
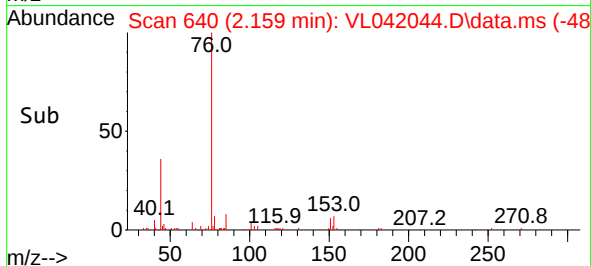
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 76 Resp: 8310
Ion Ratio Lower Upper
76 100
44 79.6 16.2 24.2
78 15.2 9.4 14.0

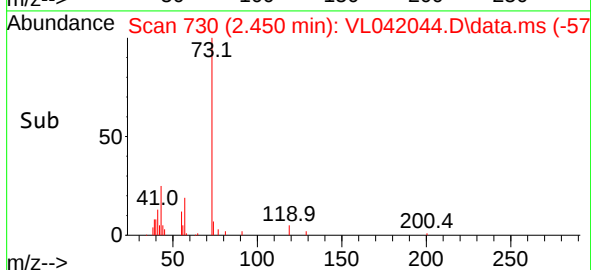
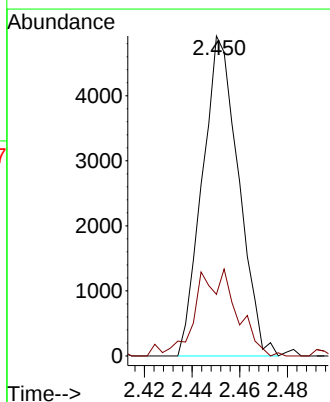
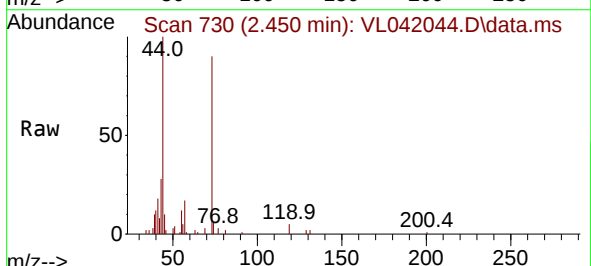
Manual Integrations
APPROVED

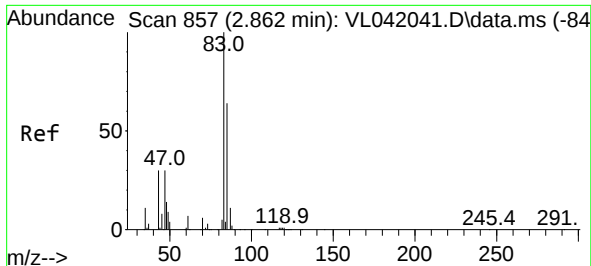
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#28
Methyl tert-Butyl Ether
Concen: 0.292 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 73 Resp: 5185
Ion Ratio Lower Upper
73 100
57 31.8 17.7 26.5





#29

Chloroform

Concen: 0.411 ppbv

RT: 2.858 min Scan# 856

Delta R.T. -0.004 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 17278

Ion Ratio Lower Upper

83 100

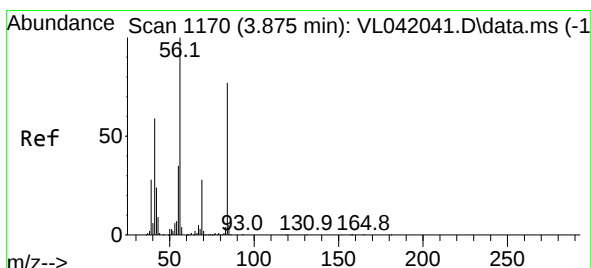
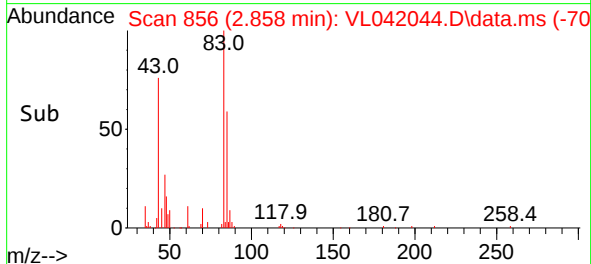
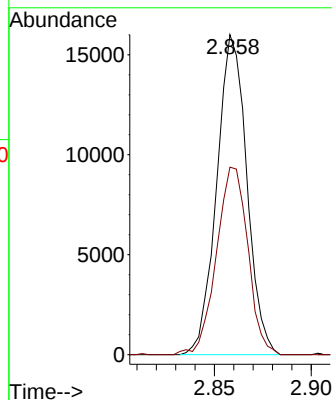
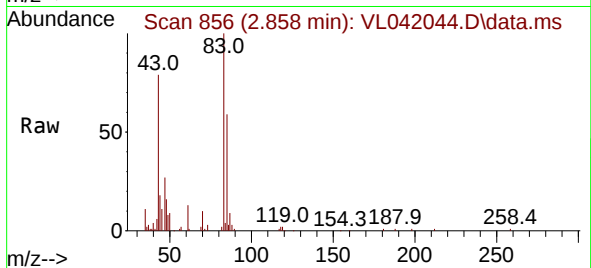
85 58.6 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#30

Cyclohexane

Concen: 0.391 ppbv

RT: 3.874 min Scan# 1170

Delta R.T. -0.000 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

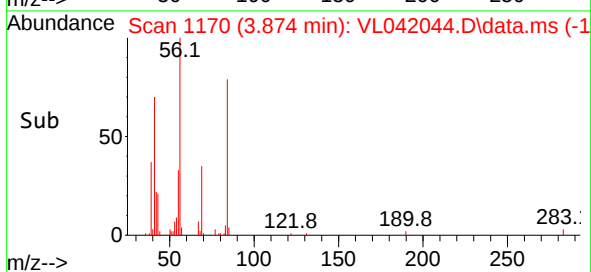
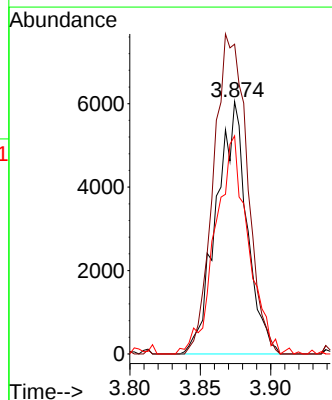
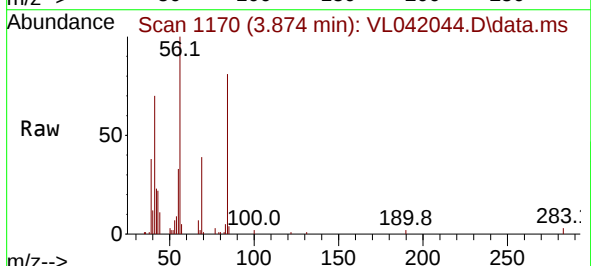
Tgt Ion: 84 Resp: 9209

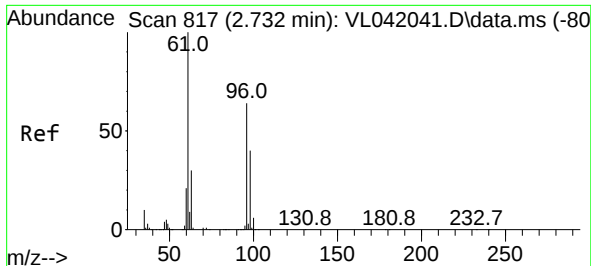
Ion Ratio Lower Upper

84 100

56 138.5 101.5 152.3

41 92.4 62.6 93.8





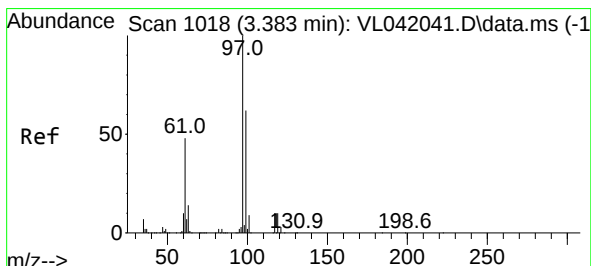
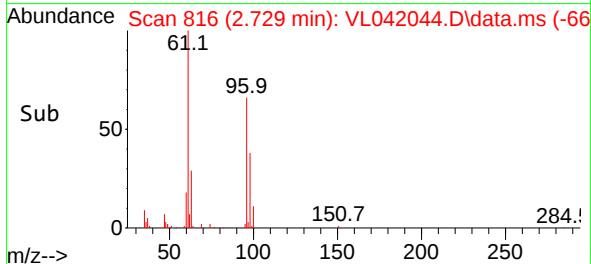
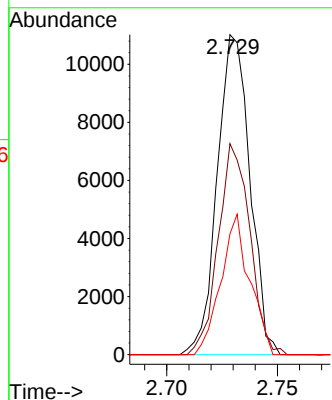
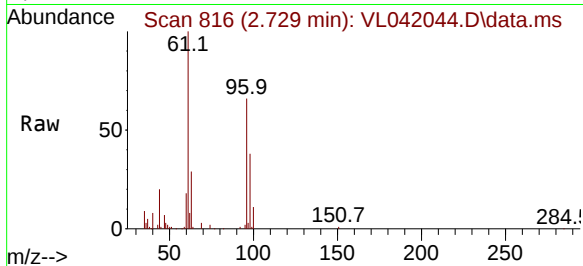
#31
 cis-1,2-Dichloroethene
 Concen: 0.395 ppbv
 RT: 2.729 min Scan# 817
 Delta R.T. -0.004 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 61 Resp: 11344
 Ion Ratio Lower Upper
 61 100
 96 66.0 51.5 77.3
 98 37.7 32.0 48.0

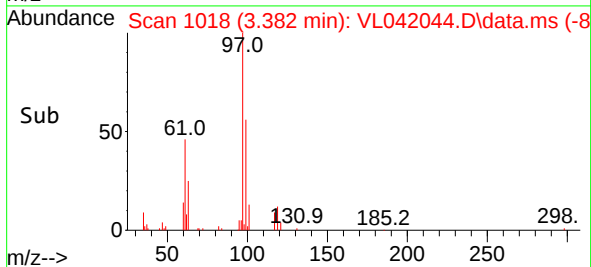
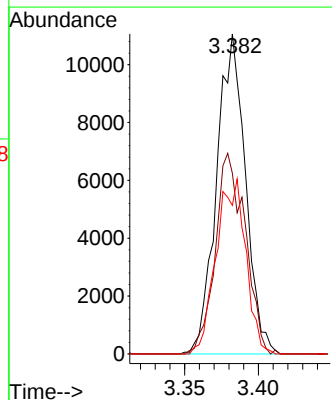
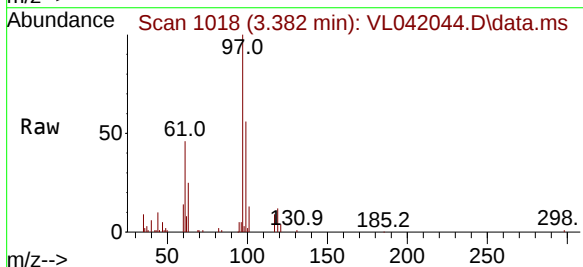
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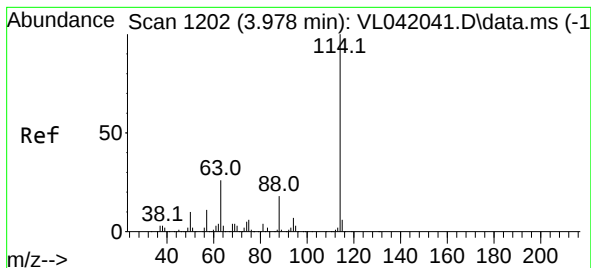
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.322 ppbv
 RT: 3.382 min Scan# 1018
 Delta R.T. -0.000 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31

Tgt Ion: 97 Resp: 15027
 Ion Ratio Lower Upper
 97 100
 99 65.0 49.8 74.6
 61 55.9 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:114 Resp: 421340

Ion Ratio Lower Upper

114 100

63 24.9 20.1 30.1

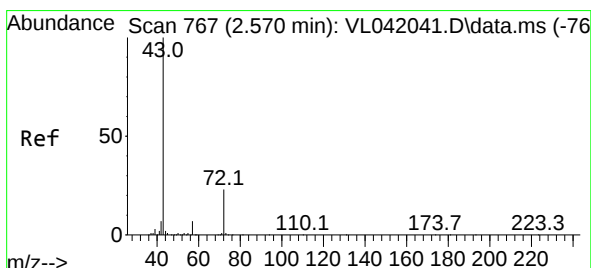
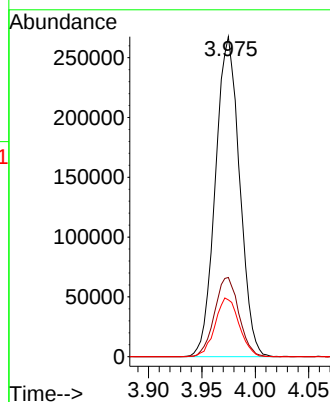
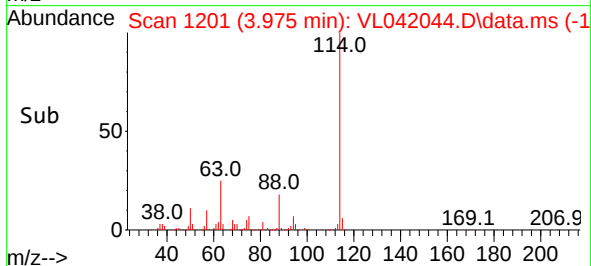
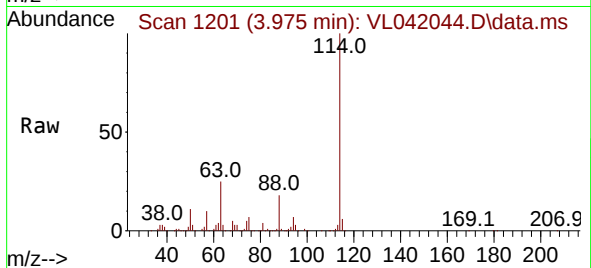
88 18.3 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#34

2-Butanone

Concen: 0.484 ppbv

RT: 2.570 min Scan# 767

Delta R.T. -0.000 min

Lab File: VL042044.D

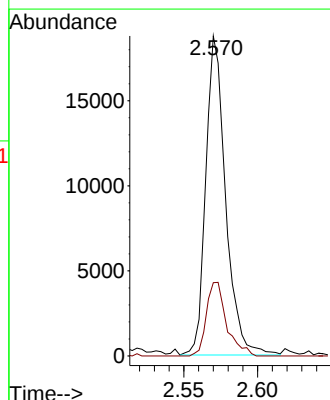
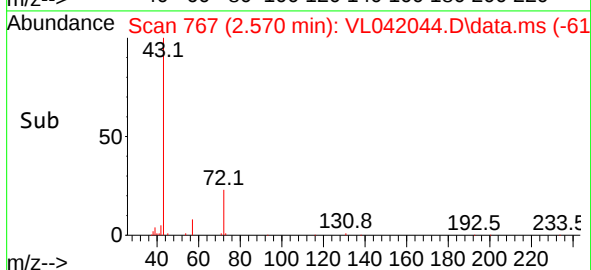
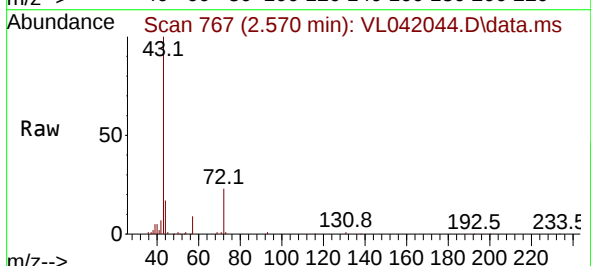
Acq: 25 Feb 2025 10:31

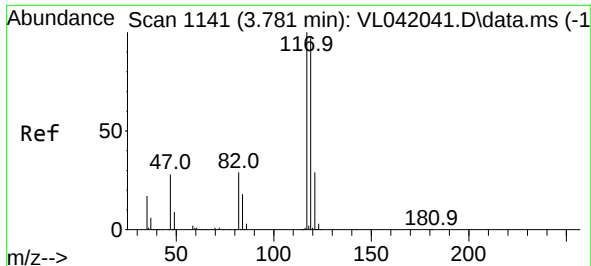
Tgt Ion: 43 Resp: 17555

Ion Ratio Lower Upper

43 100

72 23.4 18.5 27.7





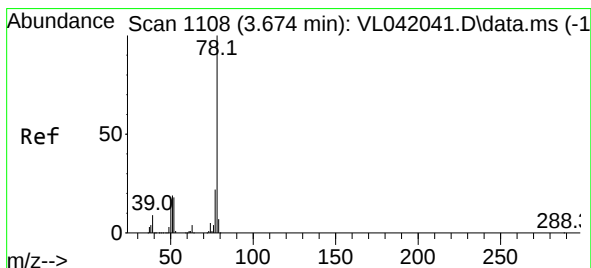
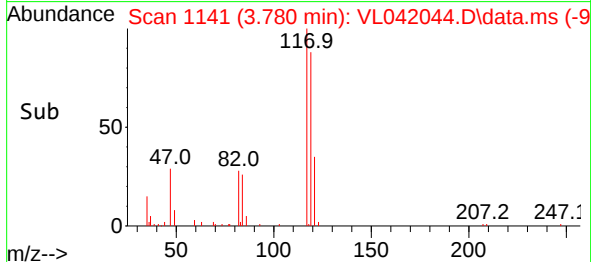
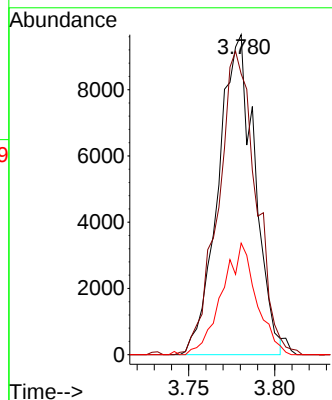
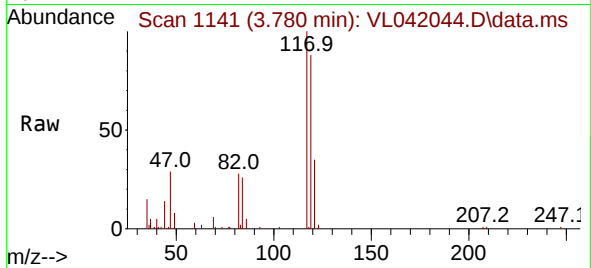
#35
Carbon Tetrachloride
Concen: 0.348 ppbv
RT: 3.780 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 1422
Ion Ratio Lower Upper
117 100
119 87.0 77.8 116.8
121 34.8 23.4 35.0

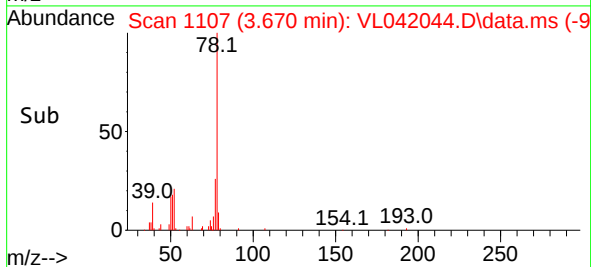
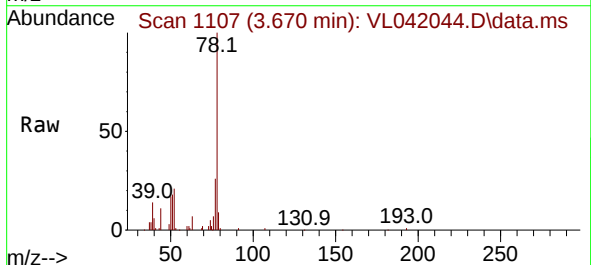
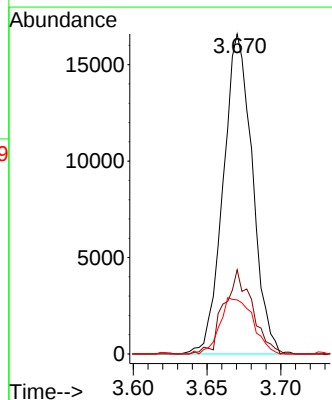
Manual Integrations
APPROVED

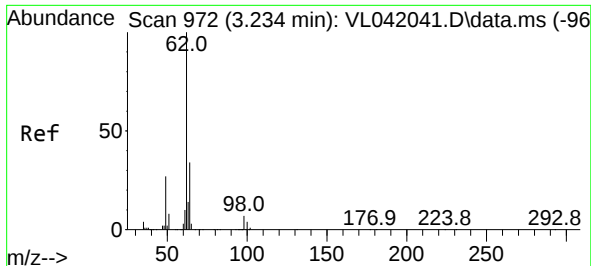
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#36
Benzene
Concen: 0.445 ppbv
RT: 3.670 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 78 Resp: 22728
Ion Ratio Lower Upper
78 100
77 26.3 17.7 26.5
50 16.9 13.9 20.9





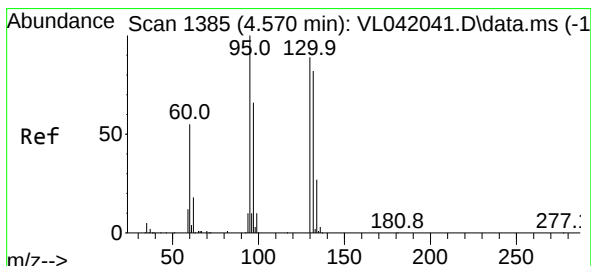
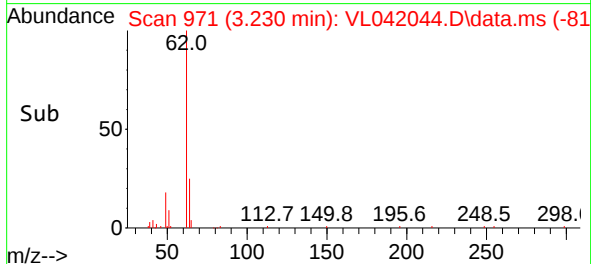
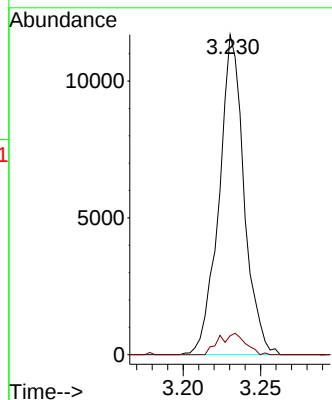
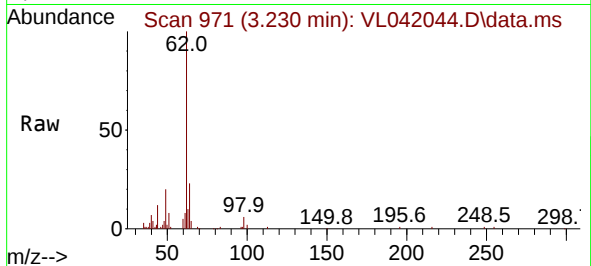
#37
1,2-Dichloroethane
Concen: 0.452 ppbv
RT: 3.230 min Scan# 91
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 1314
Ion Ratio Lower Upper
62 100
98 7.1 5.7 8.5

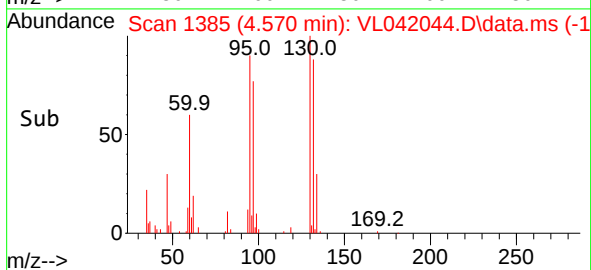
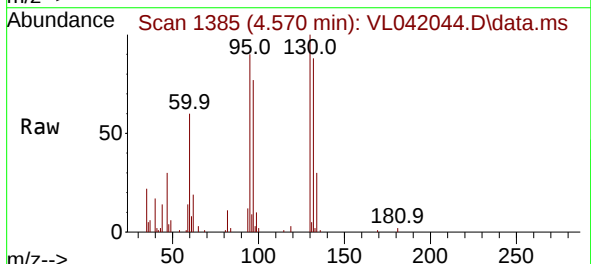
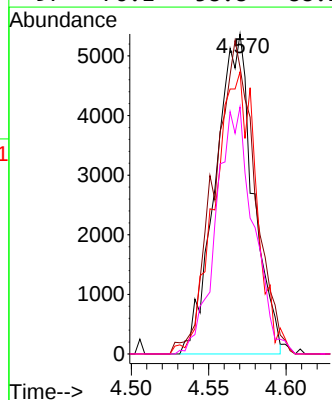
Manual Integrations
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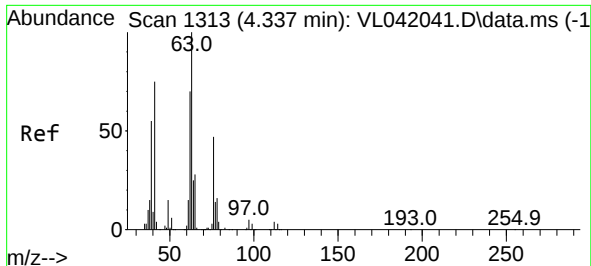
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#38
Trichloroethene
Concen: 0.440 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:130 Resp: 9115
Ion Ratio Lower Upper
130 100
95 86.1 89.5 134.3#
132 85.3 73.8 110.6
97 76.1 58.8 88.2





#39

1,2-Dichloropropane

Concen: 0.474 ppbv m

RT: 4.331 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

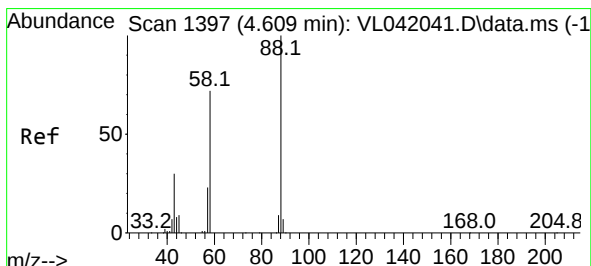
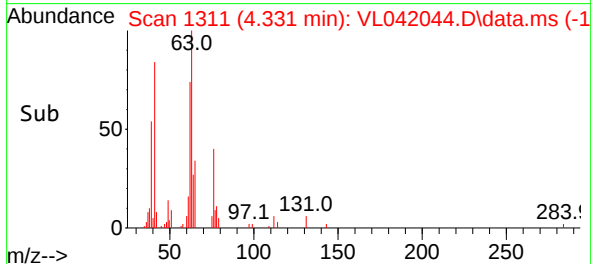
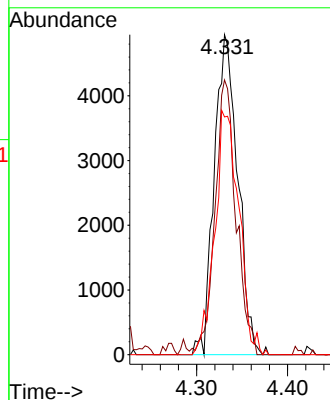
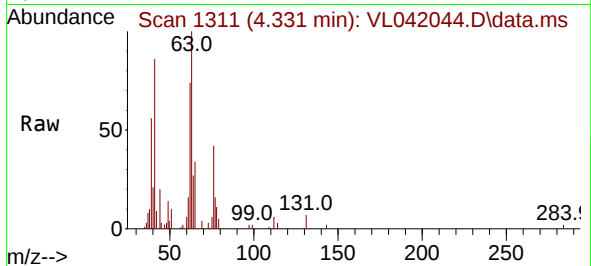
VSTDICC0.5

Tgt Ion:	63	Resp:	887
Ion	Ratio	Lower	Upper
63	100		
41	85.9	60.1	90.1
62	74.3	55.8	83.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#40

1,4-Dioxane

Concen: 0.416 ppbv m

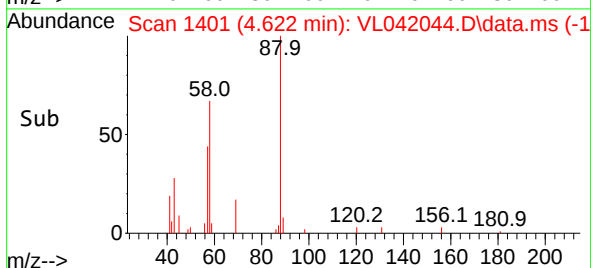
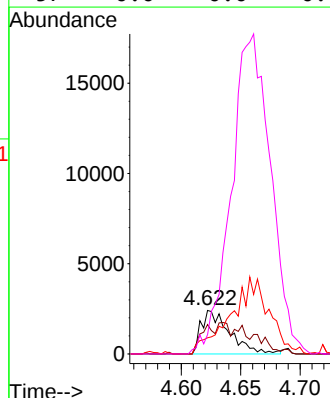
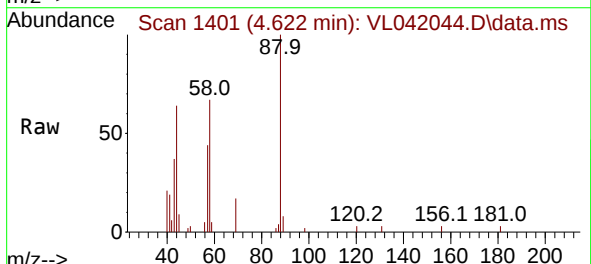
RT: 4.622 min Scan# 1401

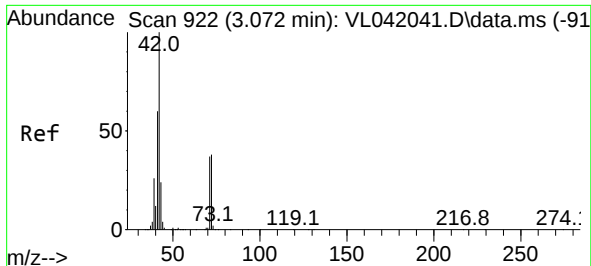
Delta R.T. 0.013 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

Tgt Ion:	88	Resp:	4046
Ion	Ratio	Lower	Upper
88	100		
58	117.8	62.6	94.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.477 ppbv

RT: 3.078 min Scan# 91

Delta R.T. 0.006 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

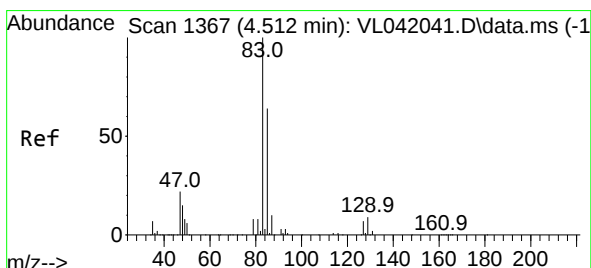
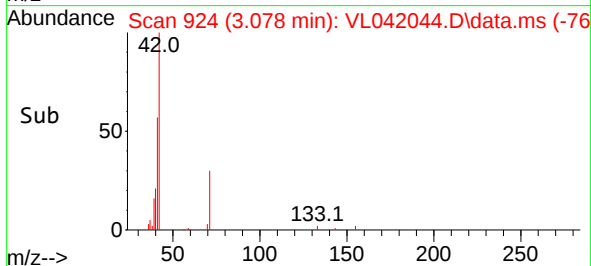
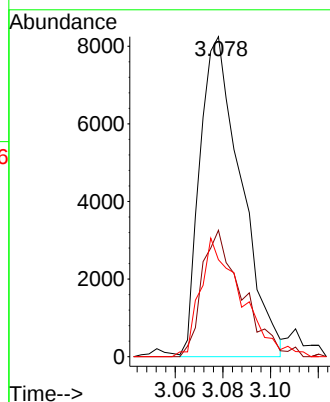
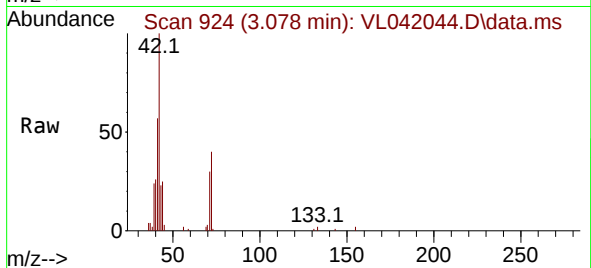
VSTDIC0.5

Tgt Ion:	42	Resp:	9880
Ion Ratio	Lower	Upper	
42	100		
72	38.7	30.2	45.2
71	37.0	28.2	42.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#42

Bromodichloromethane

Concen: 0.431 ppbv

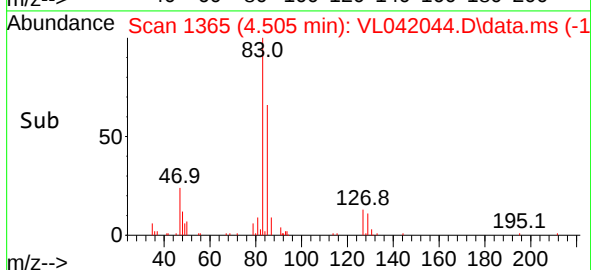
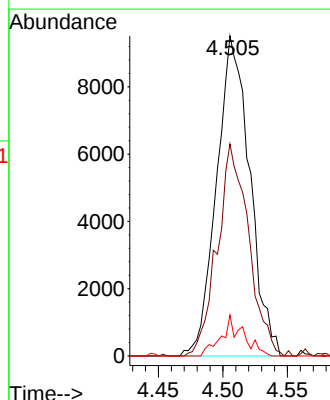
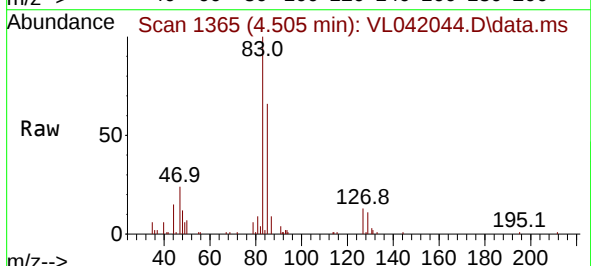
RT: 4.505 min Scan# 1365

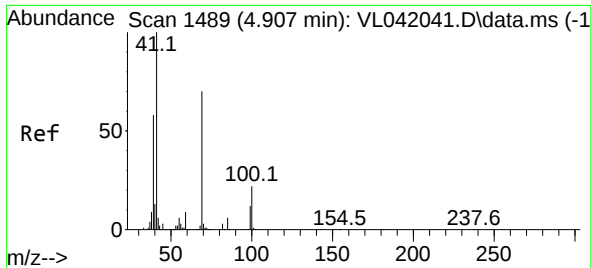
Delta R.T. -0.007 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

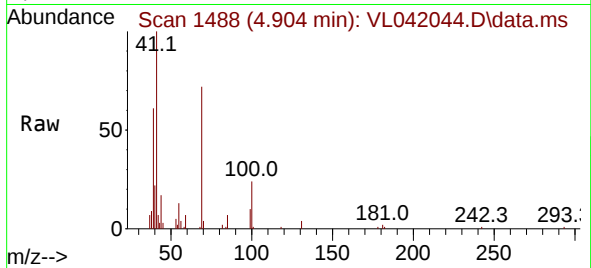
Tgt Ion:	83	Resp:	16973
Ion Ratio	Lower	Upper	
83	100		
85	66.3	51.4	77.2
127	12.8	5.8	8.6





#43
Methyl Methacrylate
Concen: 0.362 ppbv
RT: 4.904 min Scan# 1488
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

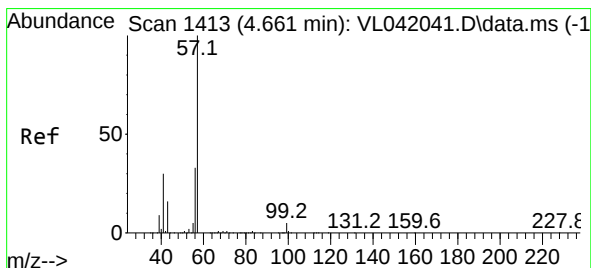
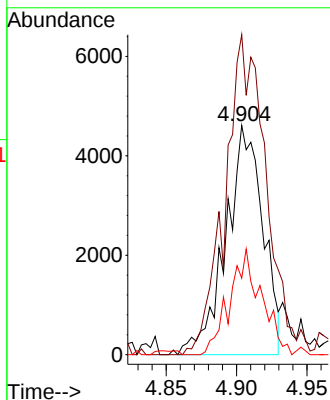
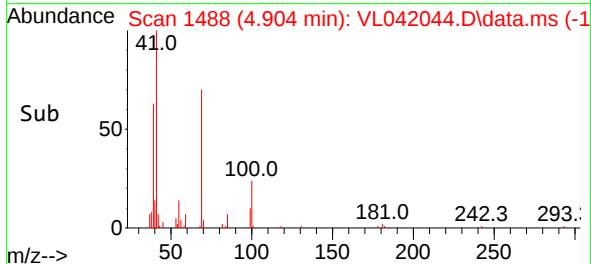
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



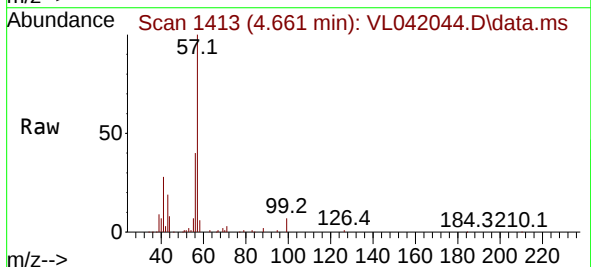
Tgt Ion: 69 Resp: 8428
Ion Ratio Lower Upper
69 100
41 154.6 118.2 177.4
100 40.2 27.0 40.4

Manual Integrations
APPROVED

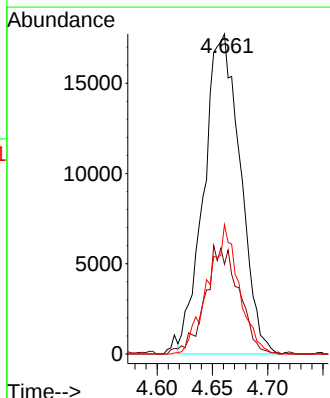
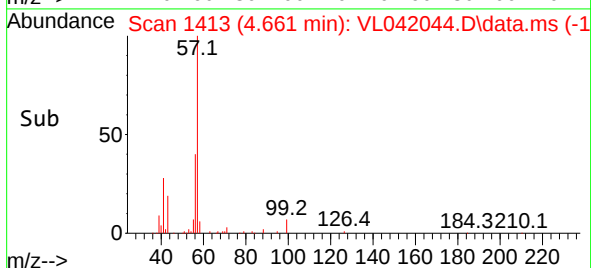
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

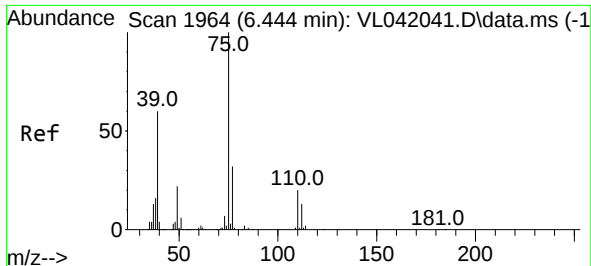


#44
2,2,4-Trimethylpentane
Concen: 0.469 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31



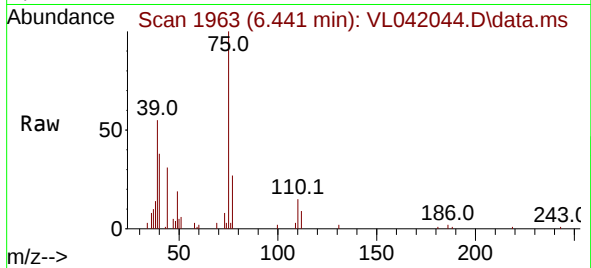
Tgt Ion: 57 Resp: 40623
Ion Ratio Lower Upper
57 100
41 32.0 24.4 36.6
56 34.1 26.5 39.7





#45
 t-1,3-Dichloropropene
 Concen: 0.397 ppbv m
 RT: 6.441 min Scan# 1964
 Delta R.T. -0.003 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31

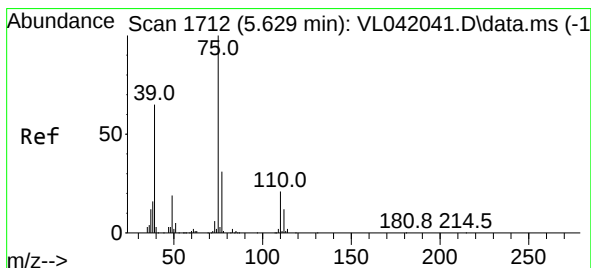
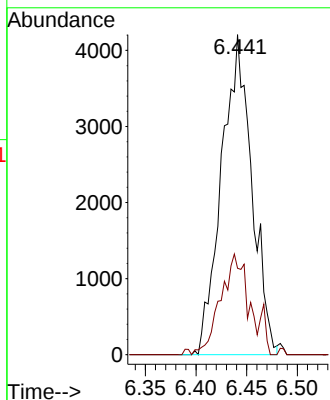
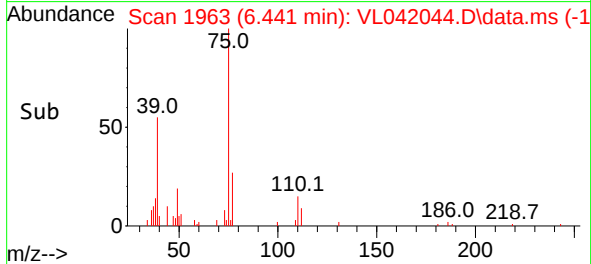
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 75 Resp: 8720
 Ion Ratio Lower Upper
 75 100
 77 27.0 25.9 38.9

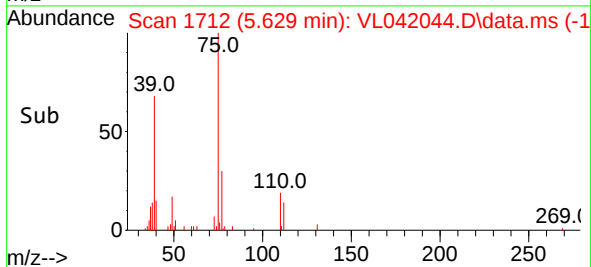
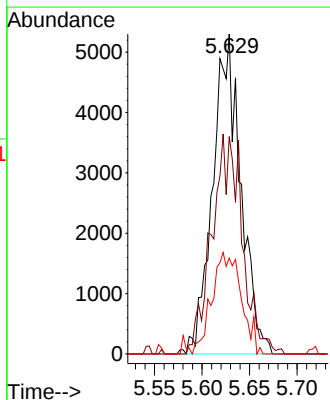
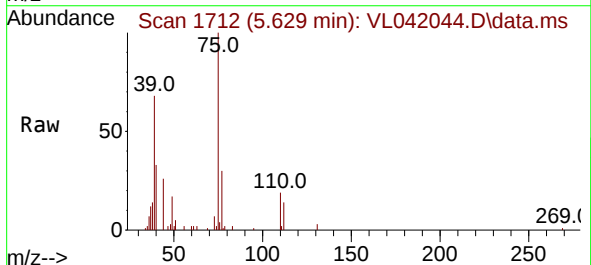
Manual Integrations
 APPROVED

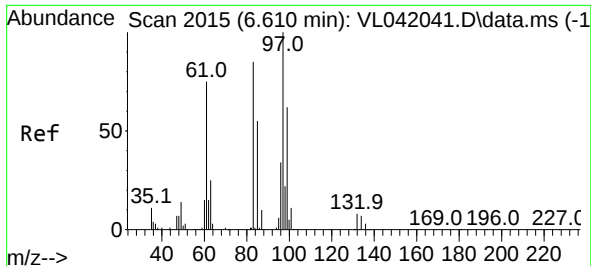
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.389 ppbv m
 RT: 5.629 min Scan# 1712
 Delta R.T. -0.000 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31

Tgt Ion: 75 Resp: 10834
 Ion Ratio Lower Upper
 75 100
 39 68.0 51.9 77.9
 77 29.9 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 0.456 ppbv m

RT: 6.609 min Scan# 2015

Delta R.T. -0.000 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

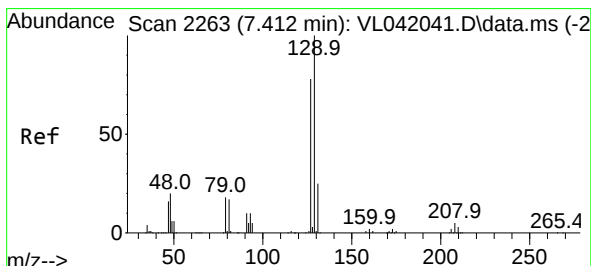
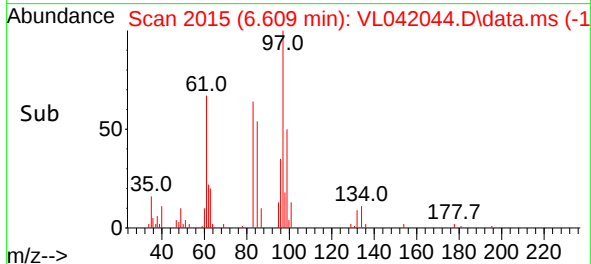
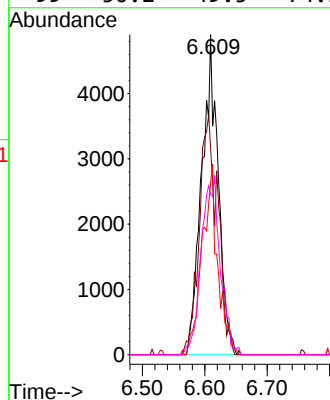
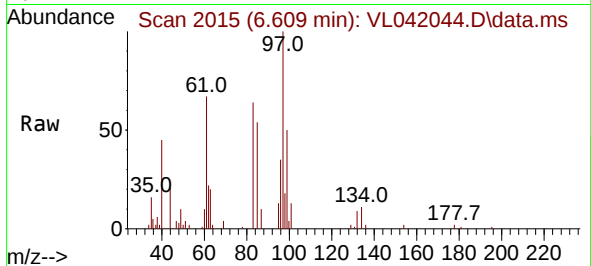
Tgt Ion:	97	Resp:	898
Ion	Ratio	Lower	Upper
97	100		
83	64.5	68.1	102.1
85	53.7	44.0	66.0
99	50.2	49.5	74.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#48

Dibromochloromethane

Concen: 0.395 ppbv m

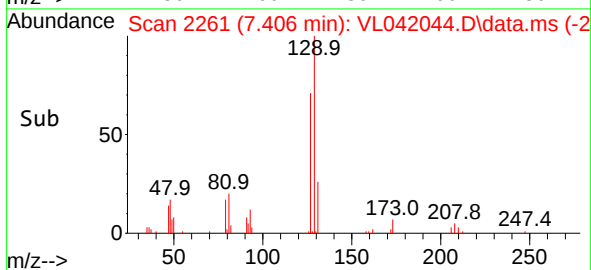
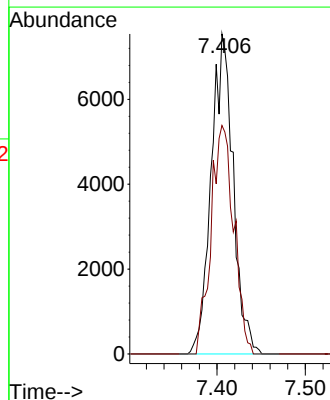
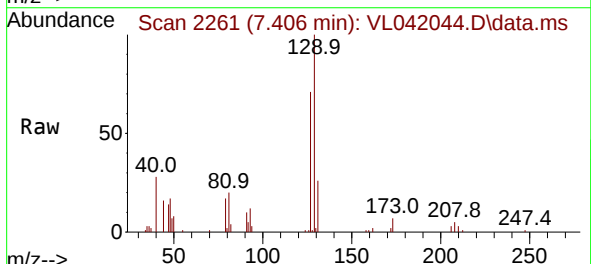
RT: 7.406 min Scan# 2261

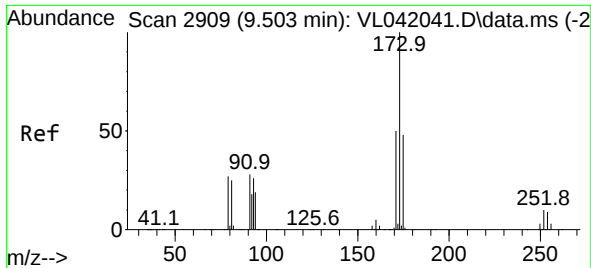
Delta R.T. -0.007 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

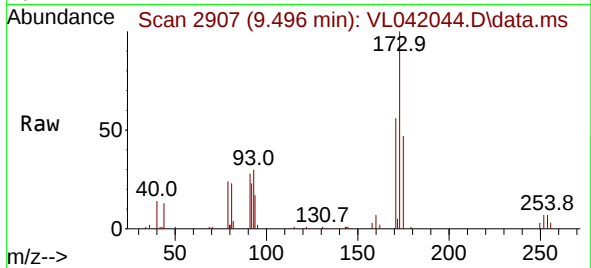
Tgt Ion:	129	Resp:	13014
Ion	Ratio	Lower	Upper
129	100		
127	74.1	38.6	115.8





#49
Bromoform
Concen: 0.430 ppbv
RT: 9.496 min Scan# 2909
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

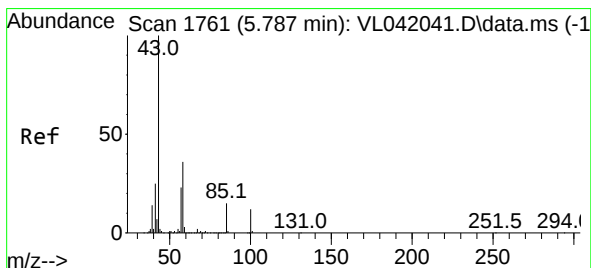
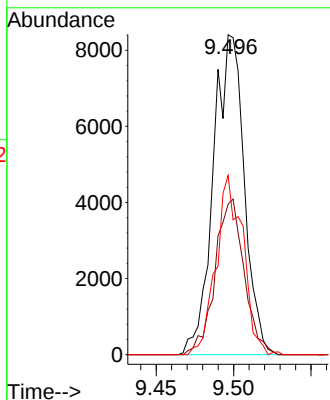
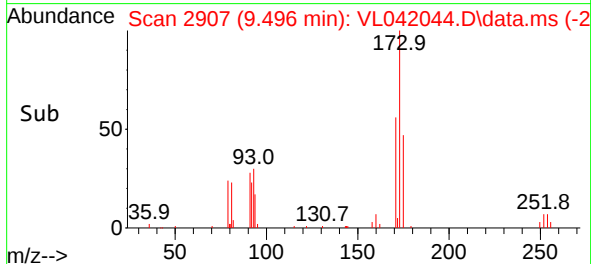
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



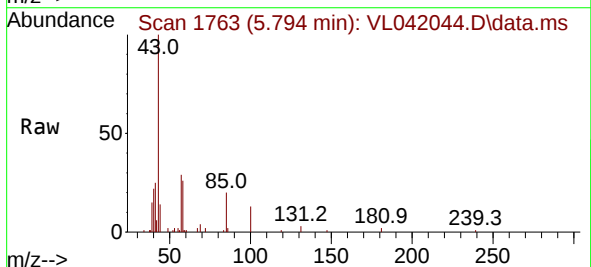
Tgt Ion:173 Resp: 11640
Ion Ratio Lower Upper
173 100
175 46.0 38.3 57.5
171 48.8 40.2 60.2

Manual Integrations
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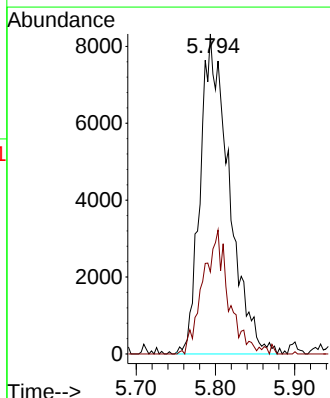
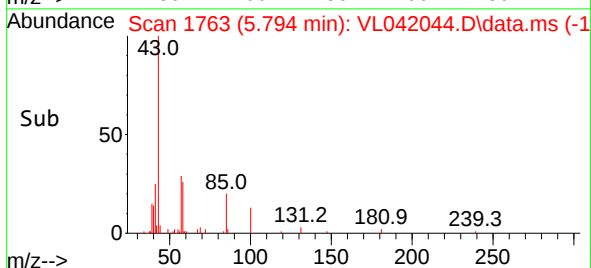
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

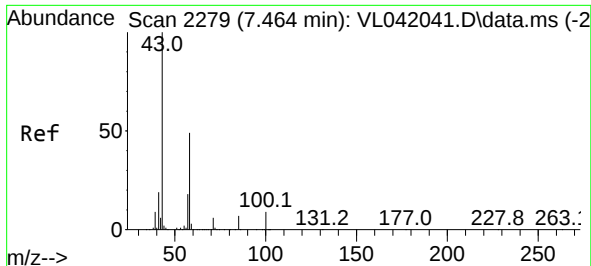


#50
4-Methyl-2-Pentanone
Concen: 0.377 ppbv m
RT: 5.794 min Scan# 1763
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31



Tgt Ion: 43 Resp: 20992
Ion Ratio Lower Upper
43 100
58 0.0 29.3 43.9#





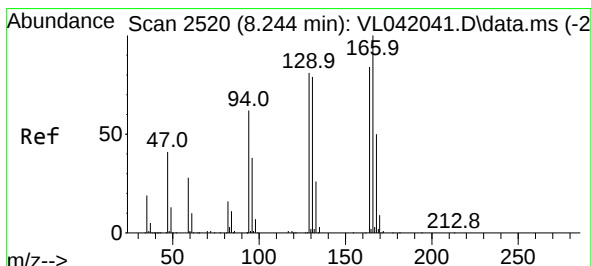
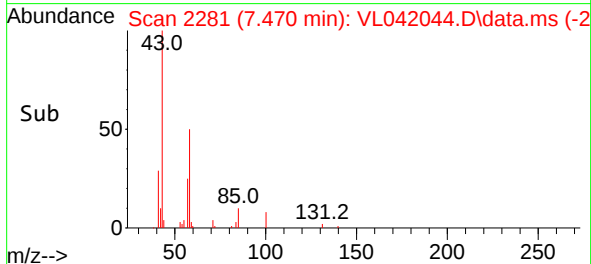
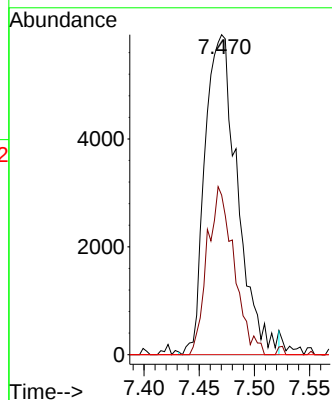
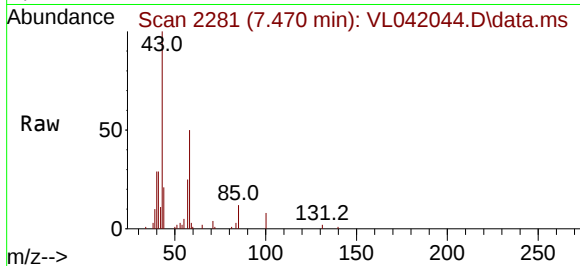
#51
2-Hexanone
Concen: 0.267 ppbv m
RT: 7.470 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 12149
Ion Ratio Lower Upper
43 100
58 43.7 39.0 58.6
98 0.0 0.1 0.1

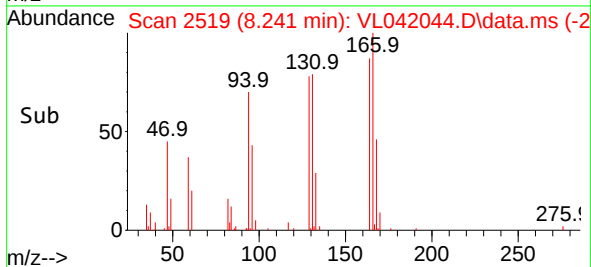
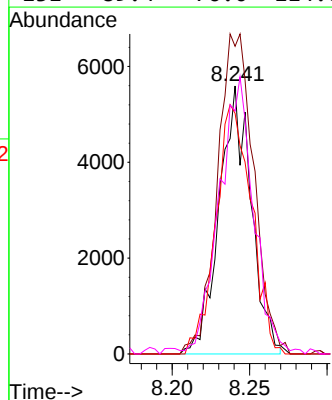
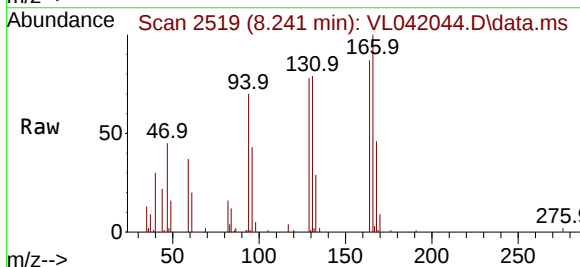
Manual Integrations
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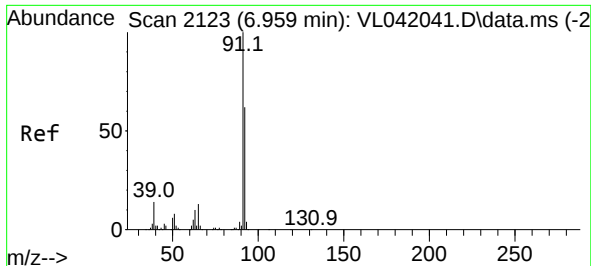
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#52
Tetrachloroethene
Concen: 0.450 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:164 Resp: 8012
Ion Ratio Lower Upper
164 100
166 114.8 95.7 143.5
129 89.8 77.1 115.7
131 89.4 76.0 114.0





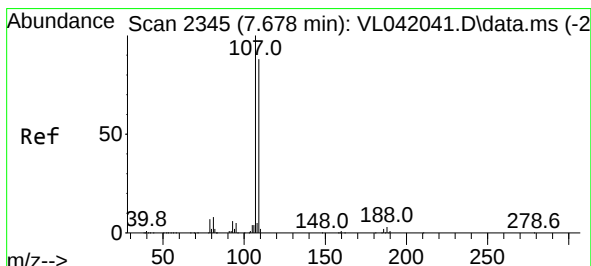
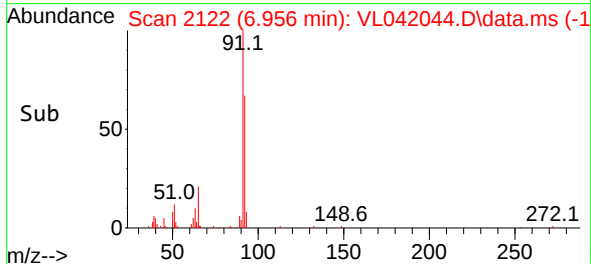
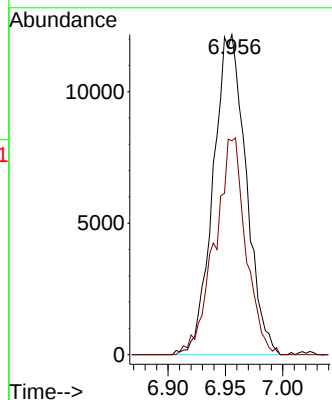
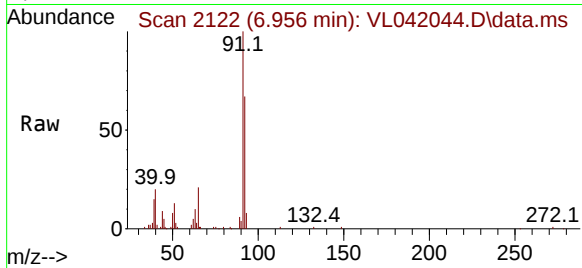
#53
Toluene
Concen: 0.398 ppbv
RT: 6.956 min Scan# 2122
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 24224
Ion Ratio Lower Upper
91 100
92 64.4 49.0 73.6

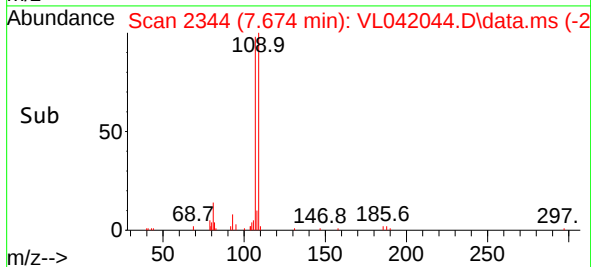
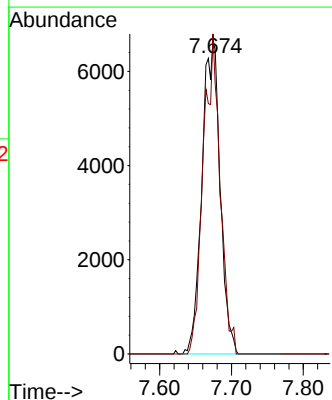
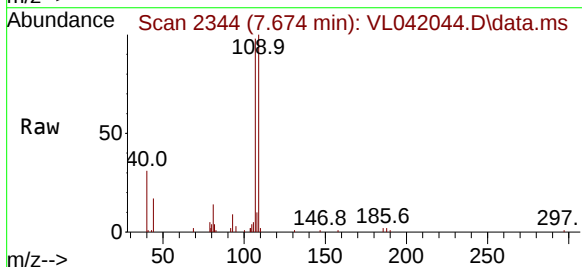
Manual Integrations
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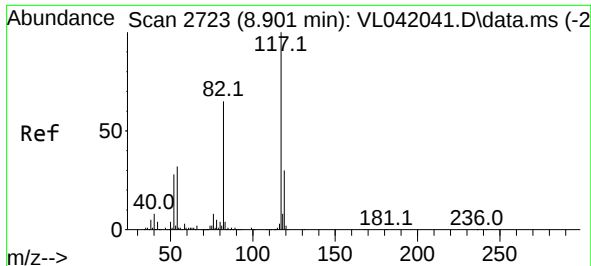
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#54
1,2-Dibromoethane
Concen: 0.432 ppbv m
RT: 7.674 min Scan# 2344
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:107 Resp: 11718
Ion Ratio Lower Upper
107 100
109 101.6 70.2 105.4





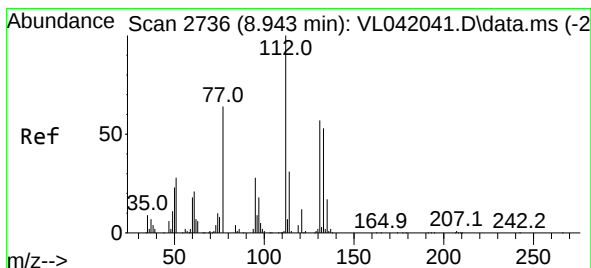
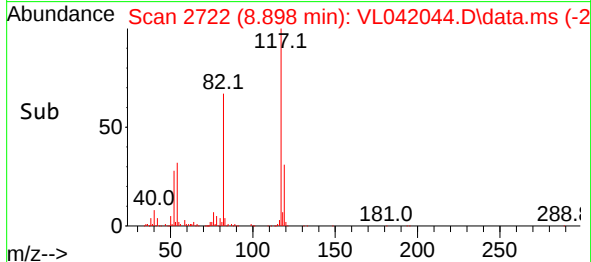
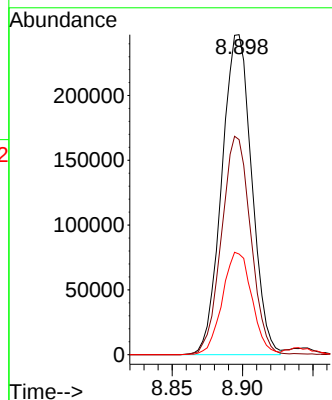
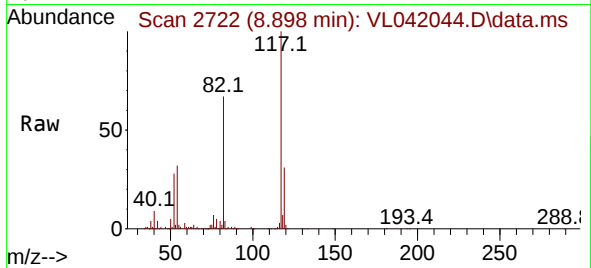
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 365954
Ion Ratio Lower Upper
117 100
82 66.8 55.0 82.6
119 33.5 25.9 38.9

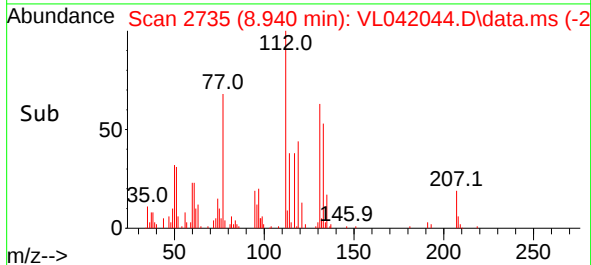
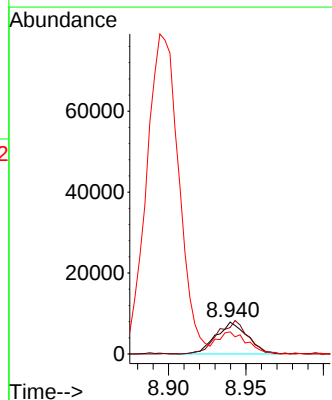
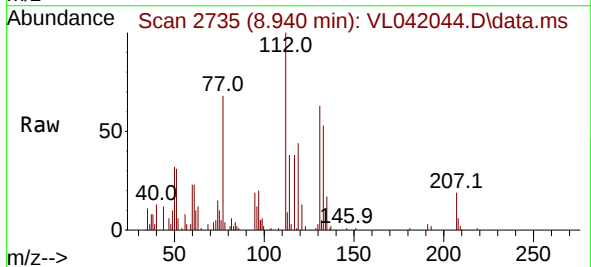
Manual Integrations
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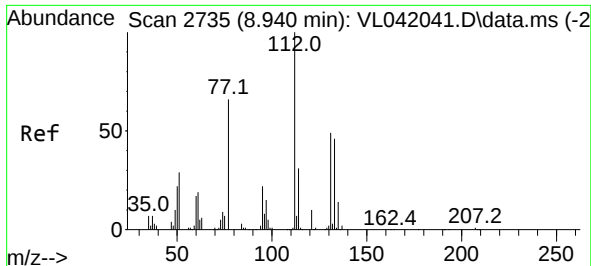
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.424 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:131 Resp: 11100
Ion Ratio Lower Upper
131 100
133 103.4 75.8 113.8
119 0.0 52.1 78.1#





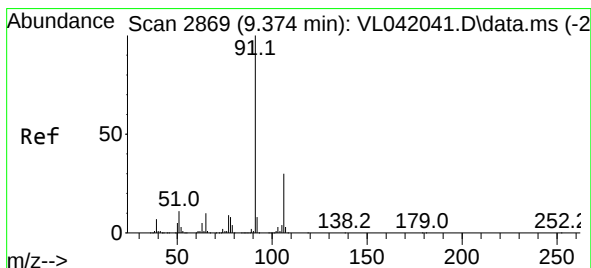
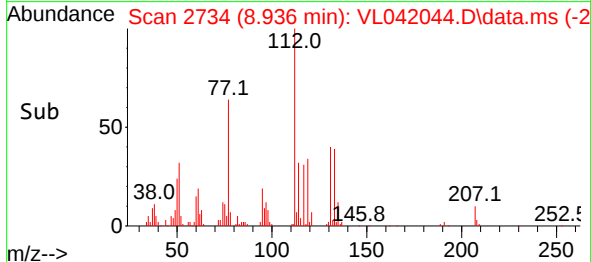
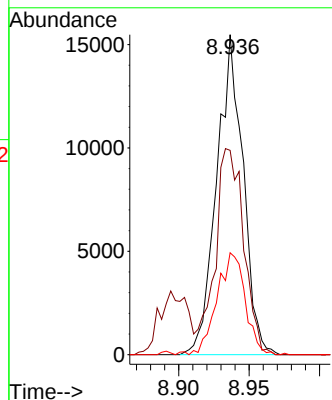
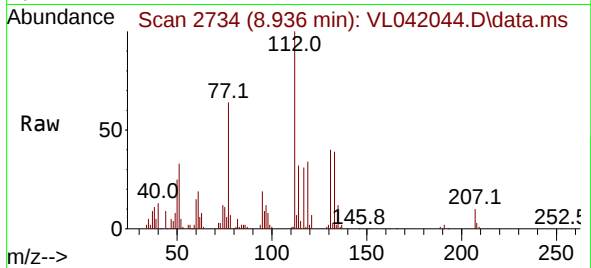
#57
Chlorobenzene
Concen: 0.468 ppbv
RT: 8.936 min Scan# 216
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:112 Resp: 2016
Ion Ratio Lower Upper
112 100
77 63.8 53.4 80.2
114 31.9 28.3 34.5

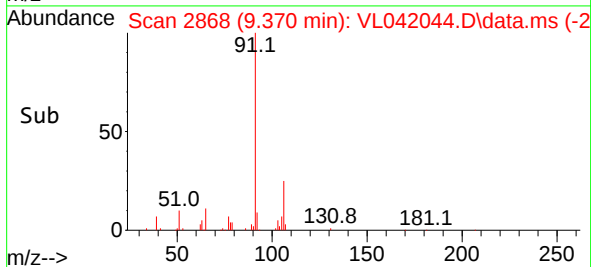
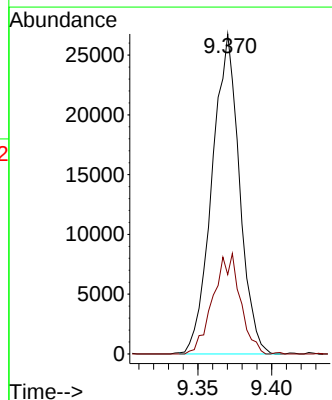
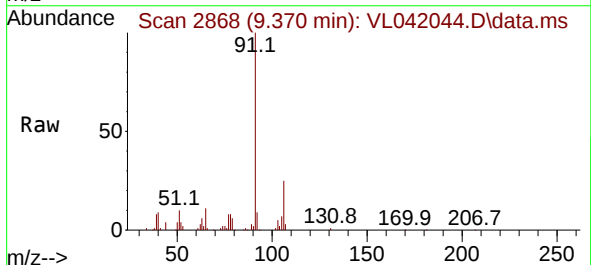
Manual Integrations
APPROVED

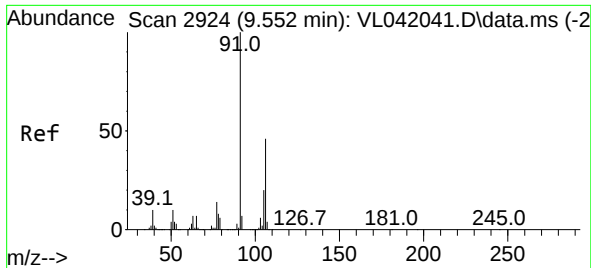
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#58
Ethyl Benzene
Concen: 0.431 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 34506
Ion Ratio Lower Upper
91 100
106 24.8 24.2 36.2





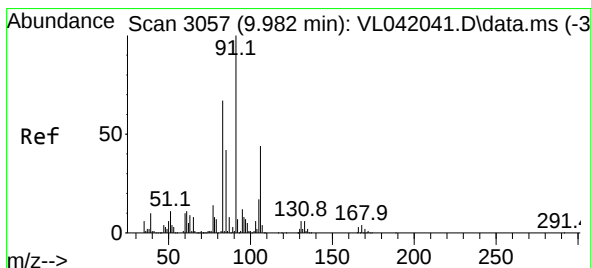
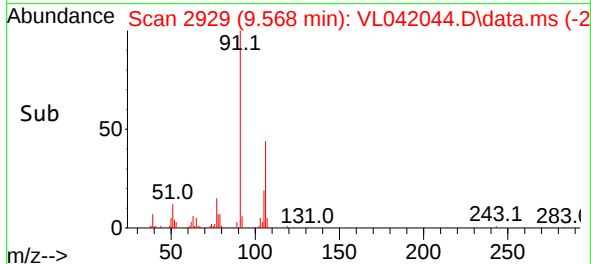
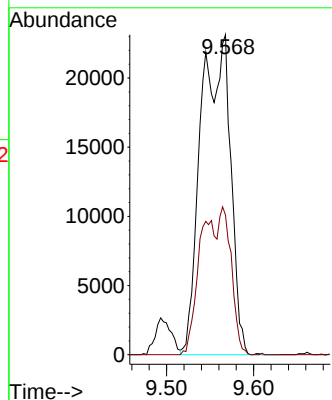
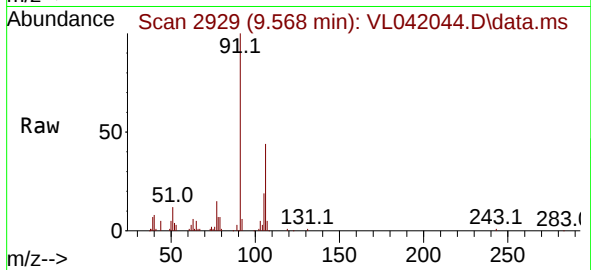
#59
m/p-Xylene
Concen: 0.863 ppbv m
RT: 9.568 min Scan# 2924
Delta R.T. 0.016 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 54449
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

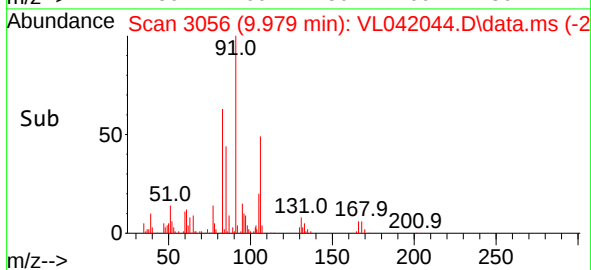
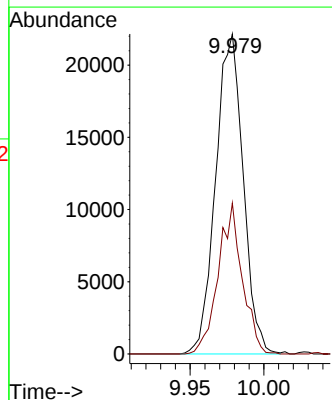
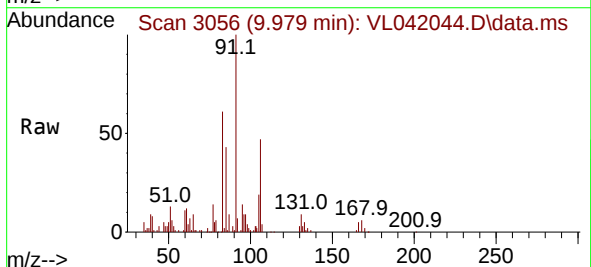
Manual Integrations
APPROVED

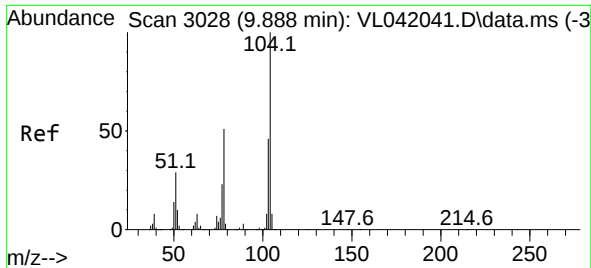
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#60
o-Xylene
Concen: 0.451 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 28757
Ion Ratio Lower Upper
91 100
106 41.3 22.3 66.8





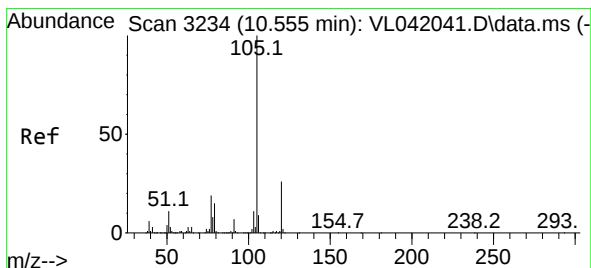
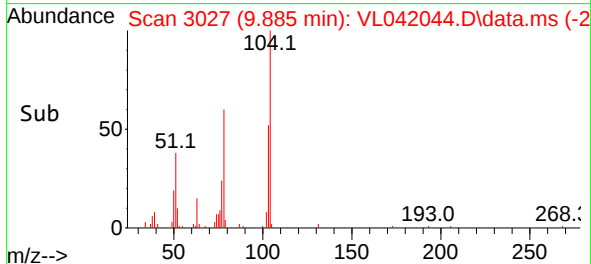
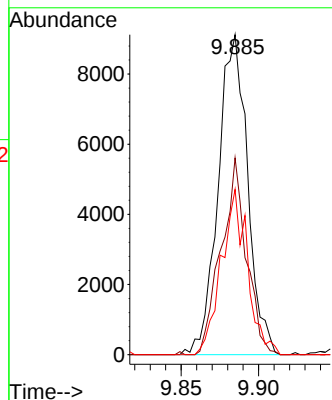
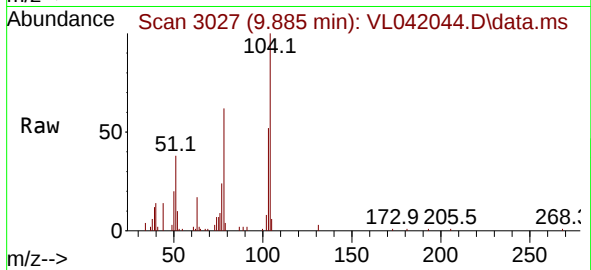
#61
Styrene
Concen: 0.396 ppbv
RT: 9.885 min Scan# 3028
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 1205
Ion Ratio Lower Upper
104 100
78 52.9 41.0 61.4
103 46.1 37.0 55.6

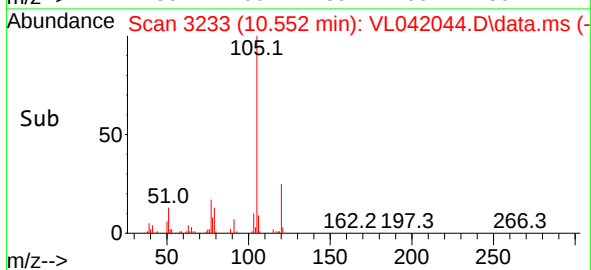
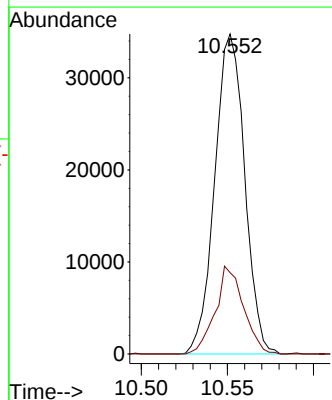
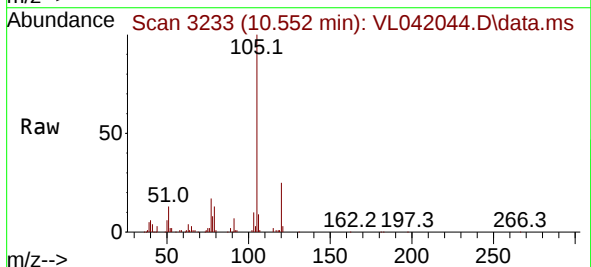
Manual Integrations
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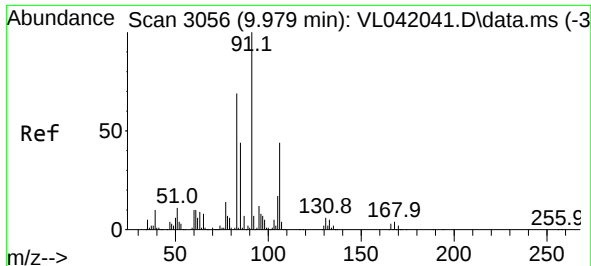
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#62
Isopropylbenzene
Concen: 0.439 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 42074
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1





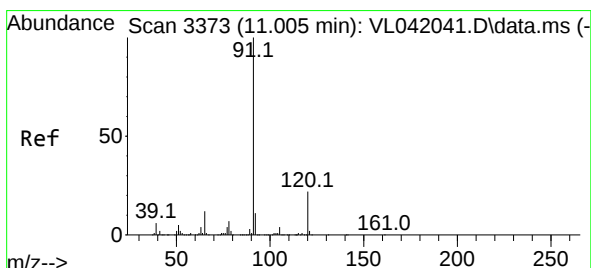
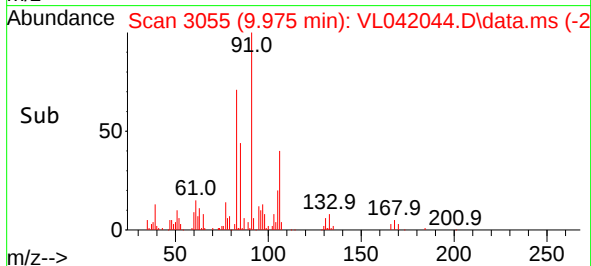
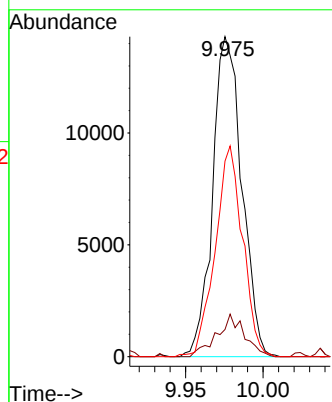
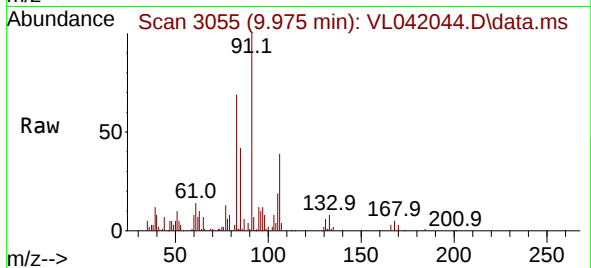
#63
1,1,2,2-Tetrachloroethane
Concen: 0.456 ppbv
RT: 9.975 min Scan# 3055
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion: 83 Resp: 18774
Ion Ratio Lower Upper
83 100
131 12.5 4.5 13.7
85 61.7 32.1 96.3

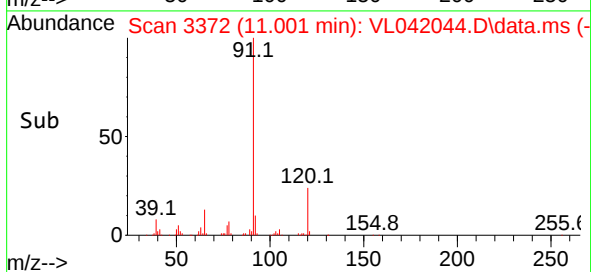
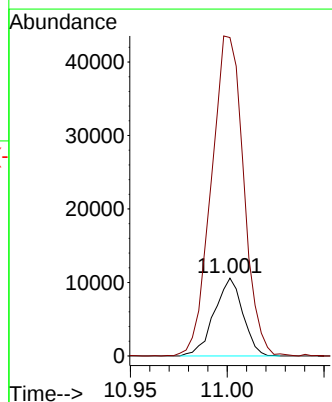
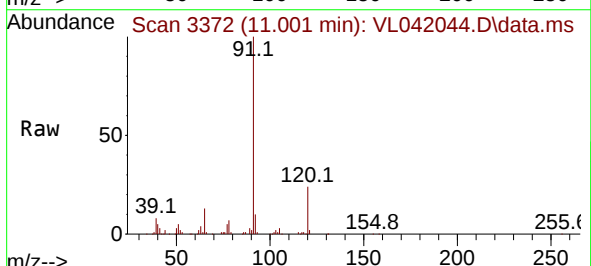
Manual Integrations
APPROVED

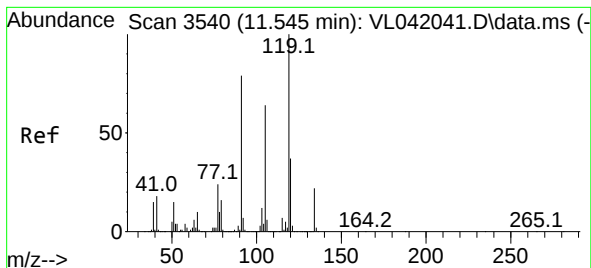
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#64
n-propylbenzene
Concen: 0.463 ppbv
RT: 11.001 min Scan# 3372
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:120 Resp: 10900
Ion Ratio Lower Upper
120 100
91 464.2 370.6 556.0





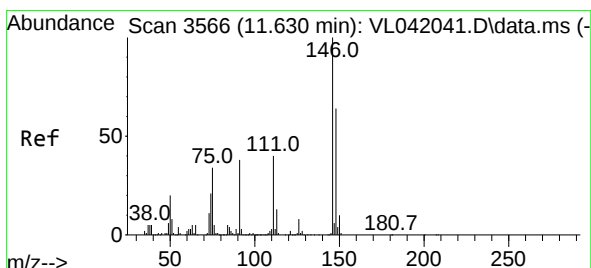
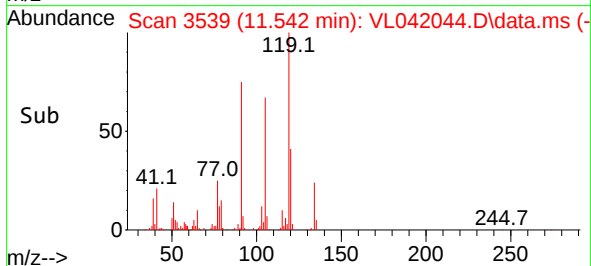
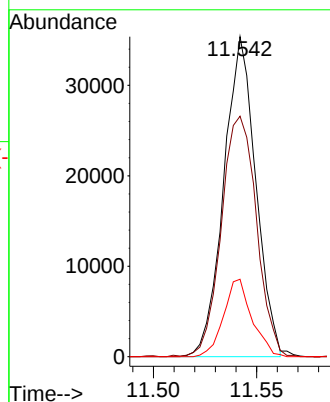
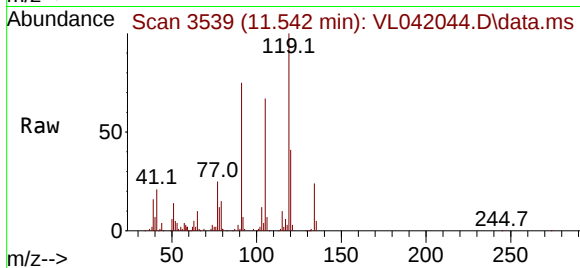
#65
tert-Butylbenzene
Concen: 0.456 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 3806
Ion Ratio Lower Upper
119 100
91 82.9 64.2 96.2
134 21.5 17.4 26.2

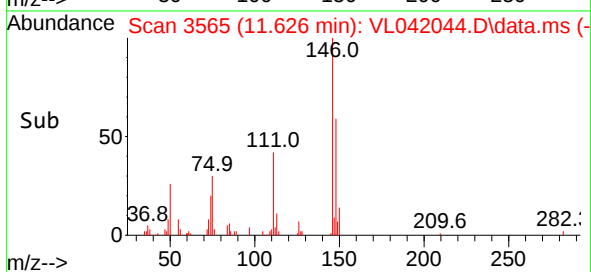
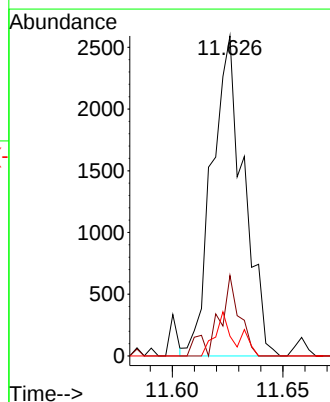
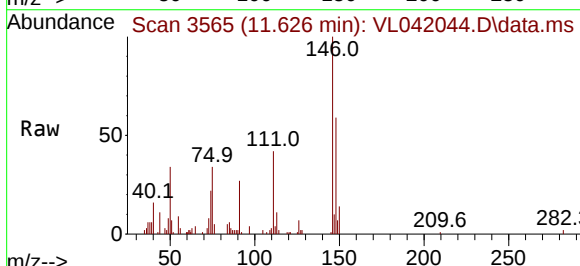
Manual Integrations
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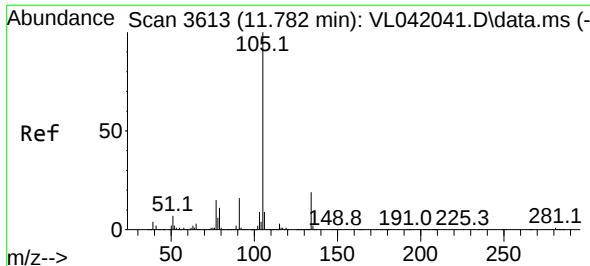
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#66
Benzyl Chloride
Concen: 0.309 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

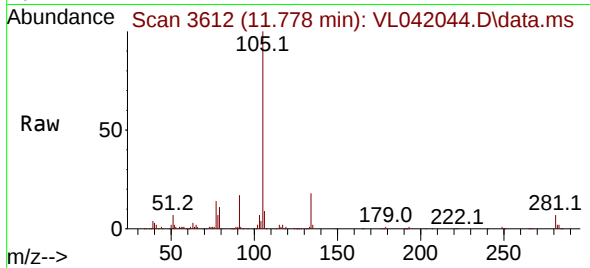
Tgt Ion: 91 Resp: 2589
Ion Ratio Lower Upper
91 100
126 16.8 14.5 21.7
128 8.7 5.4 8.2#





#67
 sec-Butylbenzene
 Concen: 0.464 ppbv
 RT: 11.778 min Scan# 3612
 Delta R.T. -0.003 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31

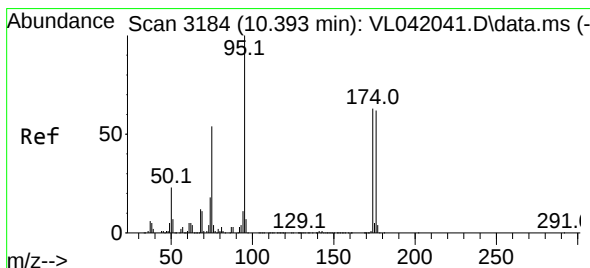
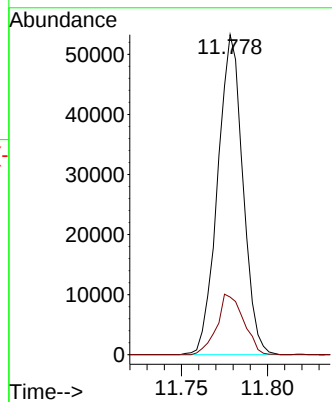
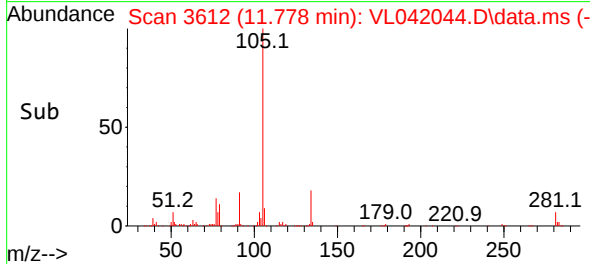
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:105 Resp: 54394
 Ion Ratio Lower Upper
 105 100
 134 19.9 14.9 22.3

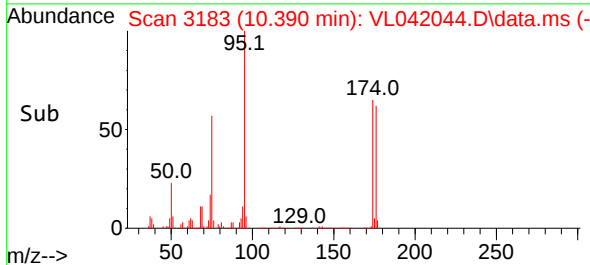
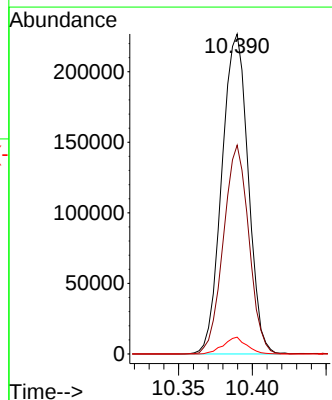
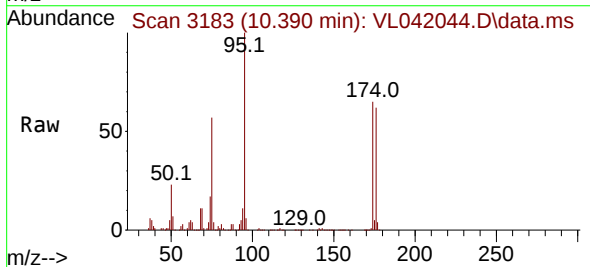
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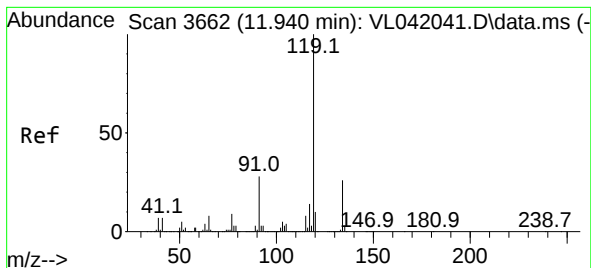
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.310 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. -0.003 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31

Tgt Ion: 95 Resp: 281042
 Ion Ratio Lower Upper
 95 100
 174 63.4 51.8 77.6
 175 4.6 3.9 5.9





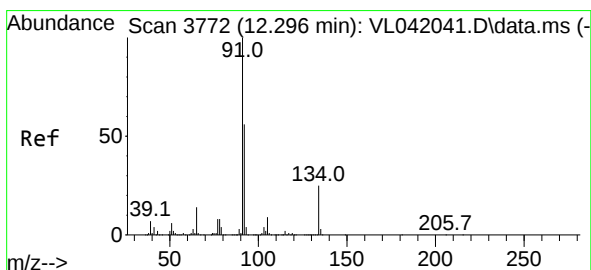
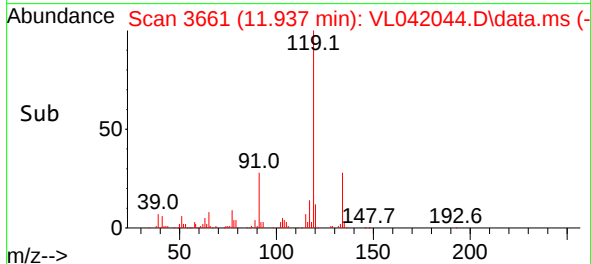
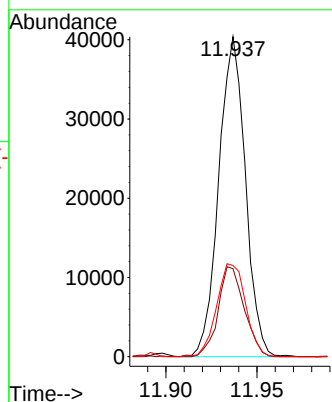
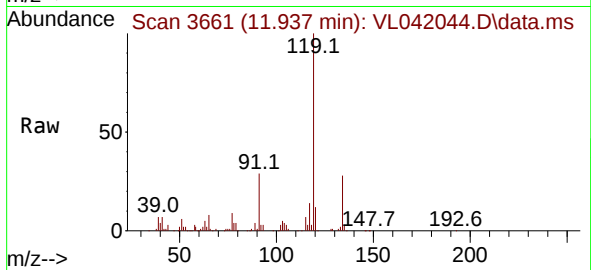
#69
p-Isopropyltoluene
Concen: 0.427 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 40978
Ion Ratio Lower Upper
119 100
134 27.7 20.9 31.3
91 32.2 23.1 34.7

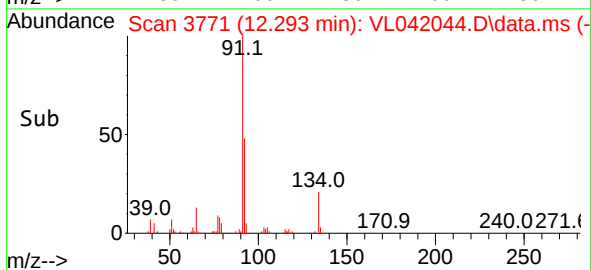
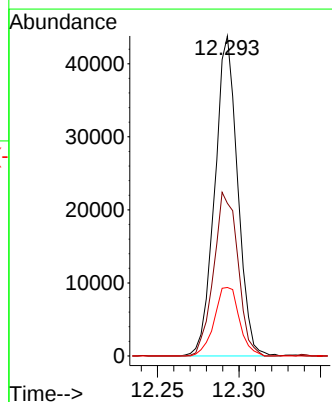
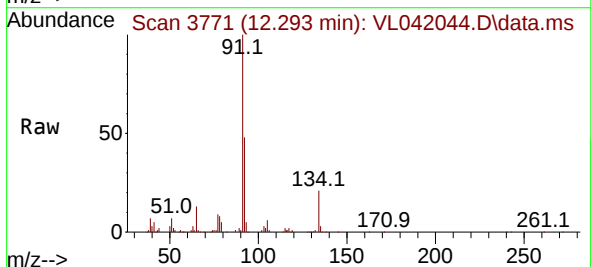
Manual Integrations
APPROVED

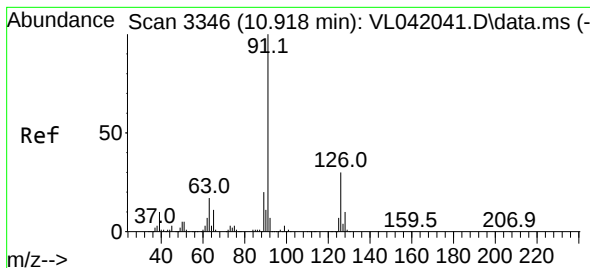
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#70
n-Butylbenzene
Concen: 0.451 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion: 91 Resp: 42673
Ion Ratio Lower Upper
91 100
92 54.5 44.7 67.1
134 23.5 18.9 28.3





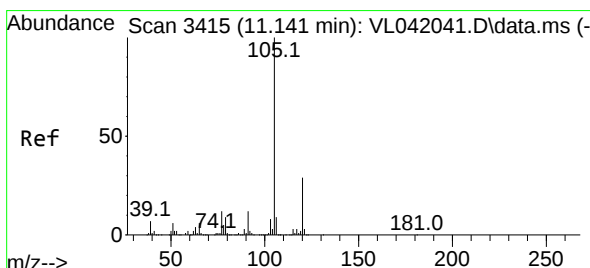
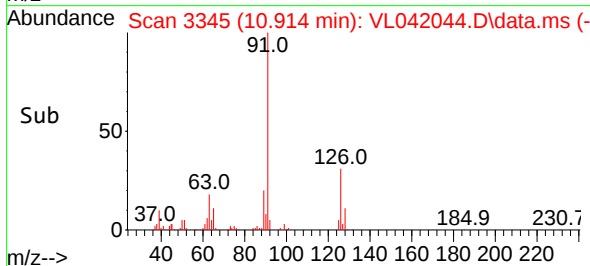
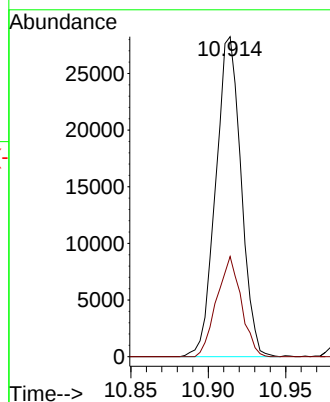
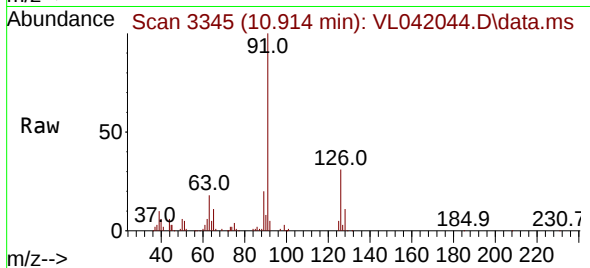
#71
2-Chlorotoluene
Concen: 0.446 ppbv
RT: 10.914 min Scan# 316
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 3216
Ion Ratio Lower Upper
91 100
126 30.2 11.9 47.5

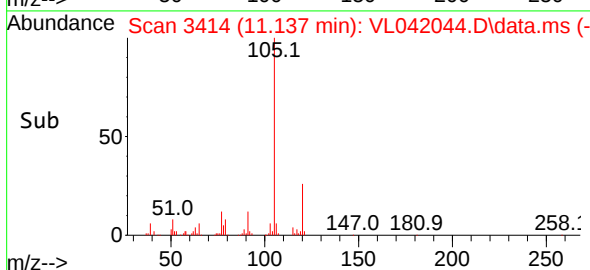
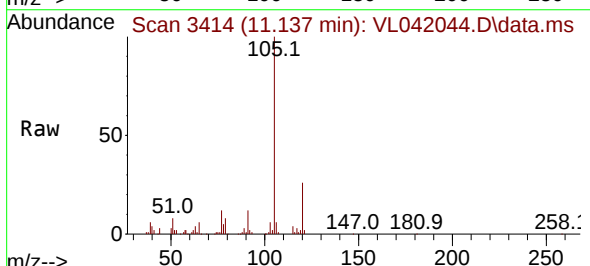
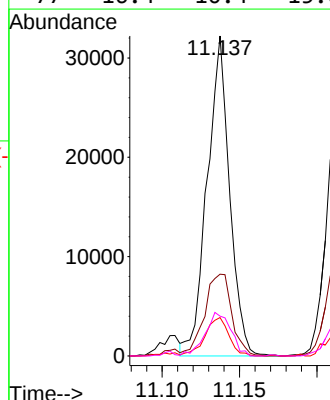
Manual Integrations
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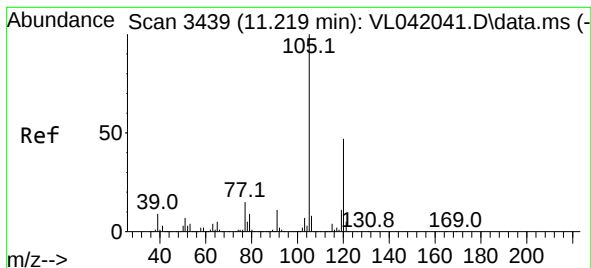
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#72
4-Ethyltoluene
Concen: 0.434 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 32477
Ion Ratio Lower Upper
105 100
120 32.5 24.1 36.1
91 13.6 10.2 15.4
77 16.4 10.4 15.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.452 ppbv

RT: 11.215 min Scan# 3439

Delta R.T. -0.004 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 29130

Ion Ratio Lower Upper

105 100

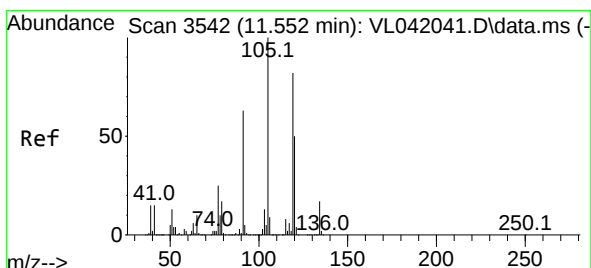
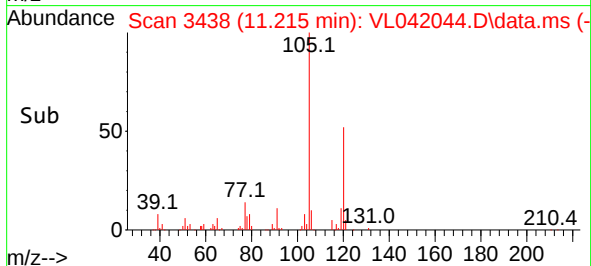
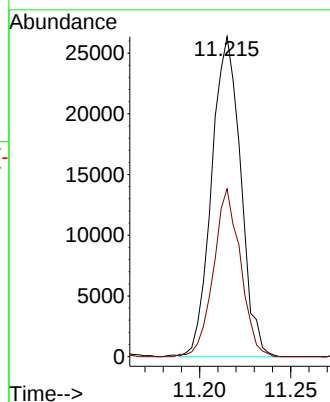
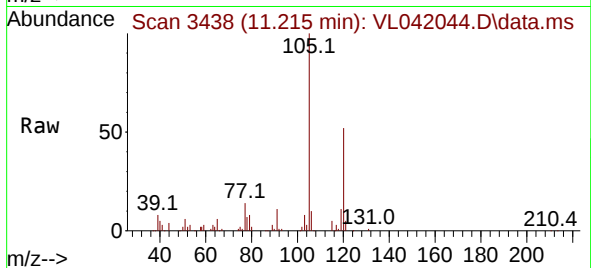
120 52.4 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.491 ppbv

RT: 11.548 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042044.D

Acq: 25 Feb 2025 10:31

Tgt Ion:105 Resp: 33950

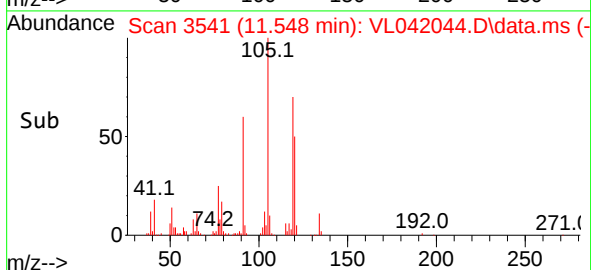
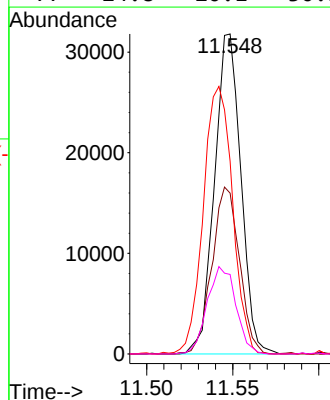
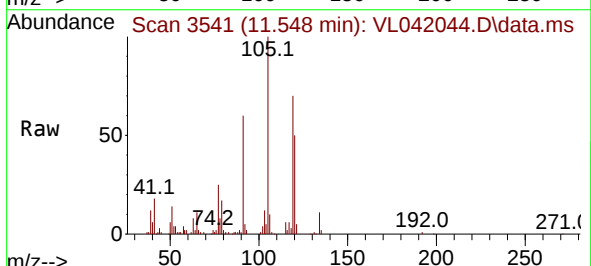
Ion Ratio Lower Upper

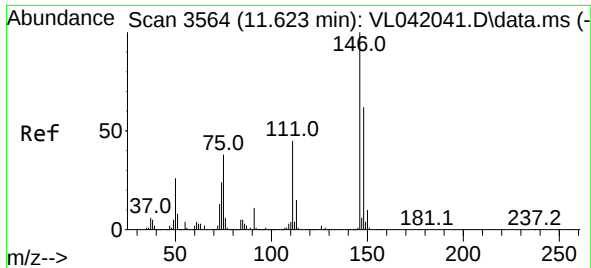
105 100

120 50.1 40.2 60.2

91 60.2 51.4 77.2

77 24.8 20.1 30.1





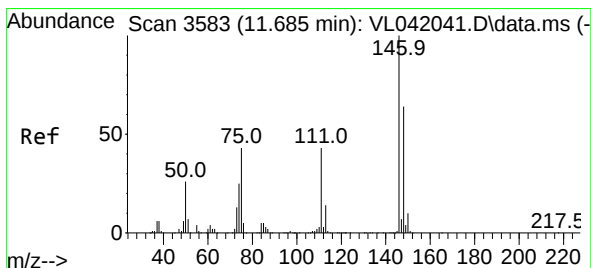
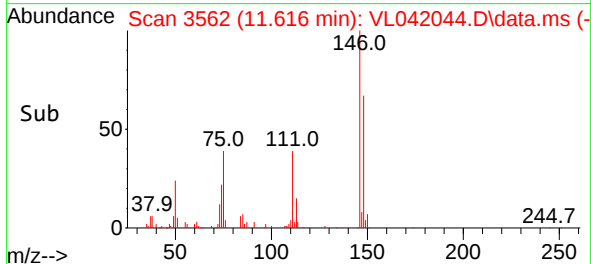
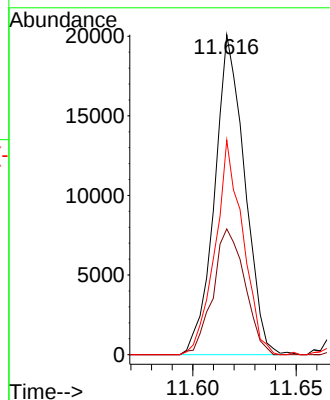
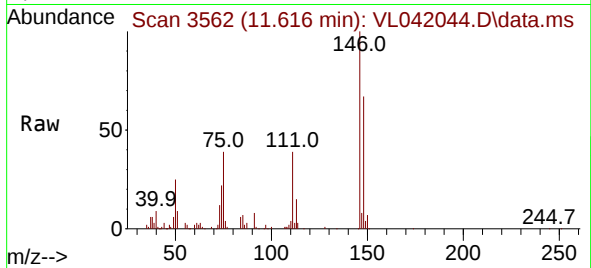
#75
1,3-Dichlorobenzene
Concen: 0.546 ppbv
RT: 11.616 min Scan# 3562
Delta R.T. -0.007 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 20339
Ion Ratio Lower Upper
146 100
111 41.6 22.4 67.2
148 61.9 32.3 96.8

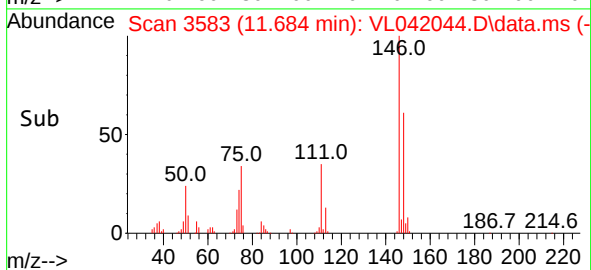
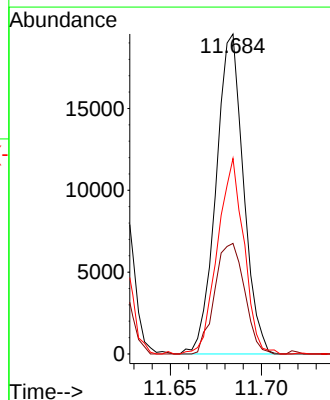
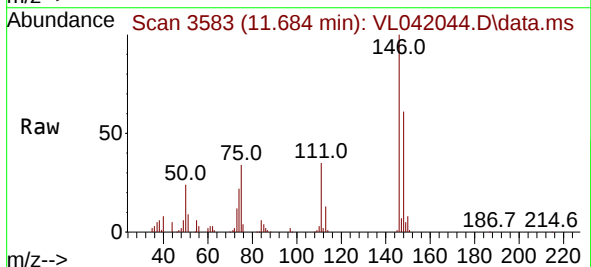
Manual Integrations
APPROVED

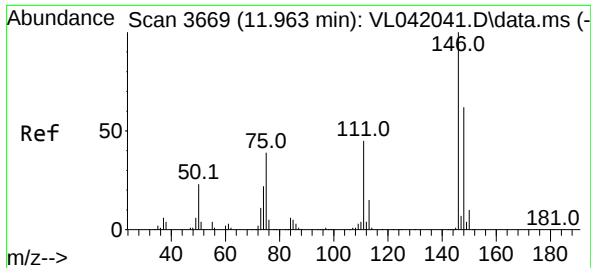
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#76
1,4-Dichlorobenzene
Concen: 0.564 ppbv
RT: 11.684 min Scan# 3583
Delta R.T. -0.000 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Tgt Ion:146 Resp: 20492
Ion Ratio Lower Upper
146 100
111 37.7 21.5 64.5
148 58.8 31.6 95.0





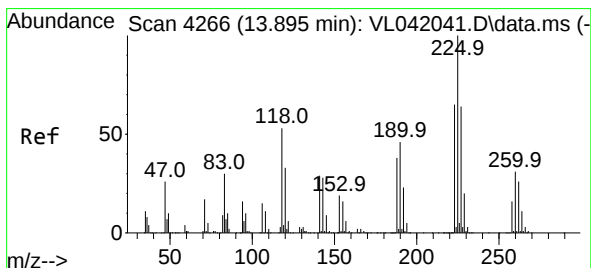
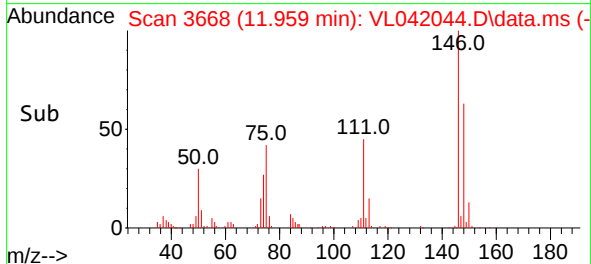
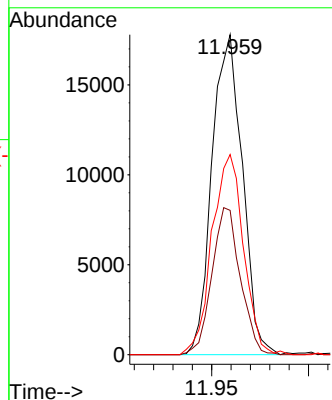
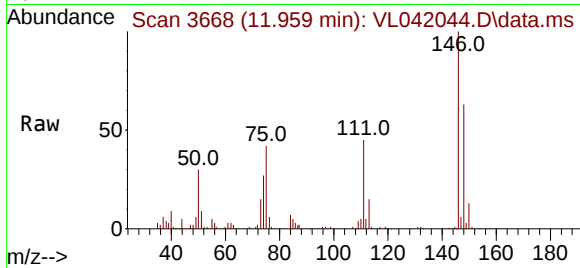
#77
1,2-Dichlorobenzene
Concen: 0.544 ppbv
RT: 11.959 min Scan# 3668
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 1937
Ion Ratio Lower Upper
146 100
111 43.0 23.2 69.6
148 65.0 31.4 94.2

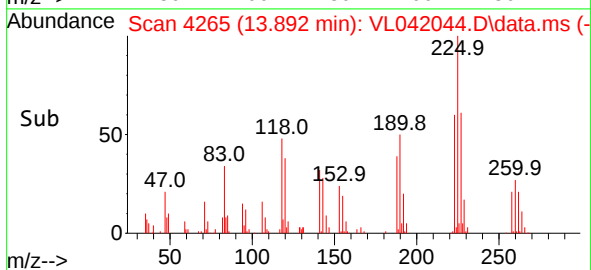
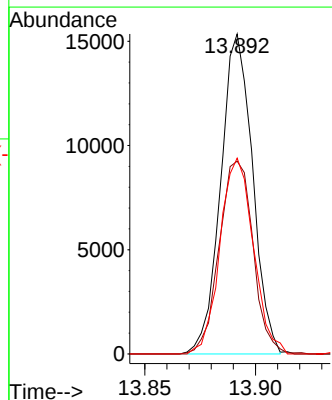
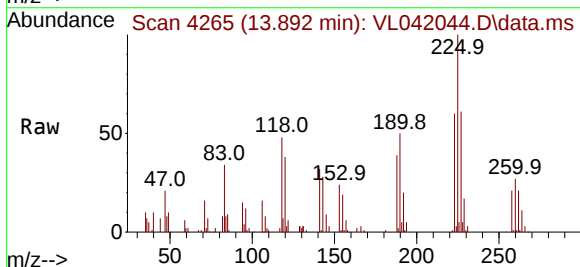
Manual Integrations
APPROVED

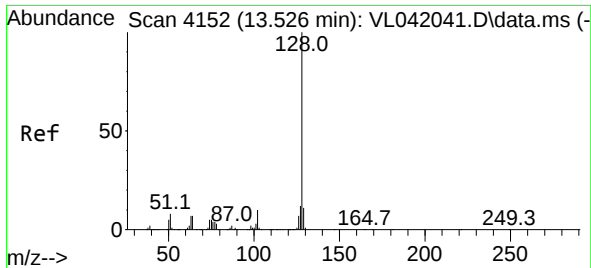
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.522 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.004 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

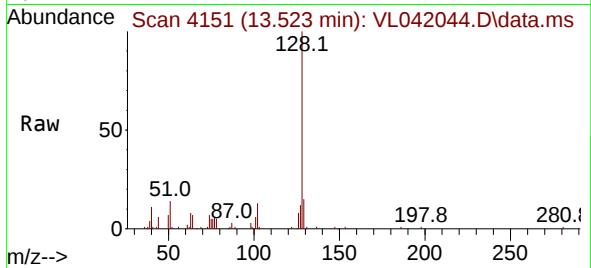
Tgt Ion:225 Resp: 15367
Ion Ratio Lower Upper
225 100
223 64.1 50.2 75.2
227 64.0 50.8 76.2





#79
Naphthalene
Concen: 0.263 ppbv
RT: 13.523 min Scan# 4151
Delta R.T. -0.003 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31

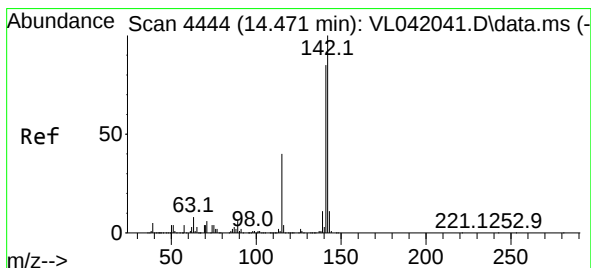
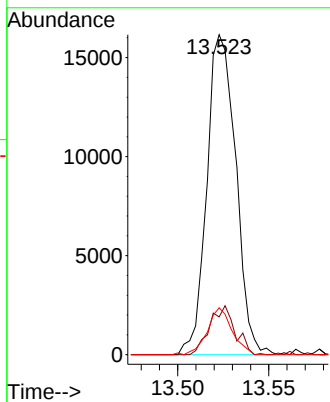
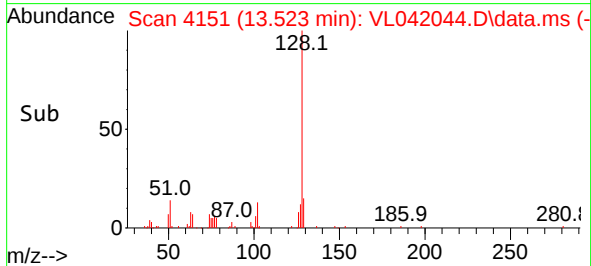
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



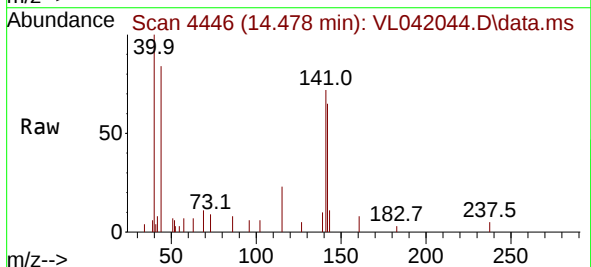
Tgt Ion:128 Resp: 1789
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.6
129 14.7 8.6 12.8

Manual Integrations
APPROVED

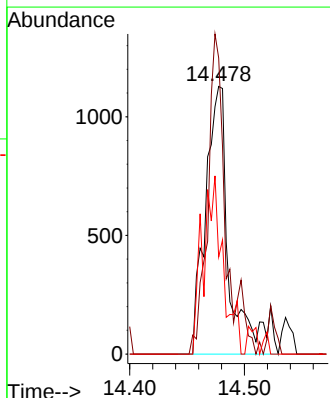
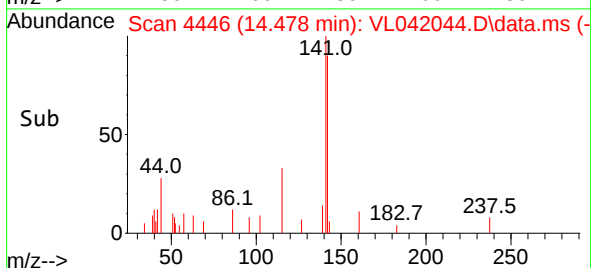
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

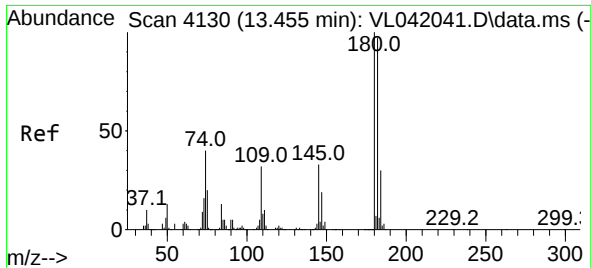


#80
Naphthalene,2-methyl-
Concen: 0.053 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.006 min
Lab File: VL042044.D
Acq: 25 Feb 2025 10:31



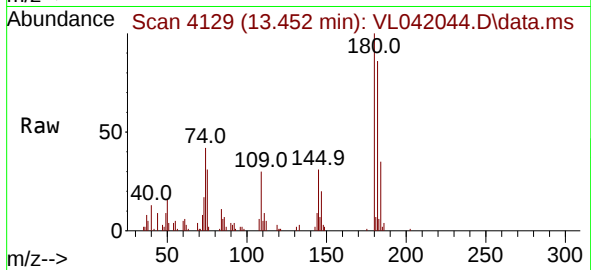
Tgt Ion:142 Resp: 1646
Ion Ratio Lower Upper
142 100
141 94.8 65.8 98.6
115 55.5 29.5 44.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.389 ppbv
 RT: 13.452 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL042044.D
 Acq: 25 Feb 2025 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:180 Resp: 1077
 Ion Ratio Lower Upper
 180 100
 182 87.1 75.1 112.7
 184 30.2 23.8 35.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

