

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
 Data File : VL042047.D
 Acq On : 25 Feb 2025 12:07
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

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

Quant Time: Feb 25 12:35:10 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

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

Internal Standards						
1) Bromochloromethane	2.800	49	159015	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	401919	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	351637	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 273846 9.441 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	231978	8.474	ppbv	99
3) Chlorodifluoromethane	1.479	51	324821	10.733	ppbv	100
4) Chloromethane	1.537	50	82097	7.718	ppbv	98
5) Vinyl Chloride	1.586	62	81863	6.436	ppbv	99
6) Bromomethane	1.673	94	39366	7.983	ppbv	97
7) Chloroethane	1.709	64	33329	8.039	ppbv	92
8) Dichlorotetrafluoroethane	1.560	85	188716	7.837	ppbv	98
9) Propene	1.489	41	133086	10.201	ppbv	97
10) Heptane	5.004	43	400418	11.052	ppbv	99
11) Trichlorofluoromethane	1.884	101	230938	8.383	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.149	101	184306	8.579	ppbv	99
13) Ethanol	1.725	45	4281	2.909	ppbv	100
14) Bromoethene	1.787	108	65496	8.164	ppbv	99
15) Acetone	1.842	43	172538	6.574	ppbv	98
16) 1,3-Butadiene	1.615	39	87490	7.027	ppbv	100
17) tert-Butyl alcohol	2.049	59	239569	7.377	ppbv	98
18) 1,1-Dichloroethene	2.042	96	80535	7.845	ppbv	98
19) Isopropyl Alcohol	1.894	45	102365	6.955	ppbv	99
20) Methylene Chloride	2.068	84	66282	6.709	ppbv	98
21) Allyl Chloride	2.104	41	140726	7.406	ppbv	99
22) trans-1,2-Dichloroethene	2.350	96	94321	8.466	ppbv	95
23) Vinyl Acetate	2.473	43	139727	9.831	ppbv	99
24) 1,1-Dichloroethane	2.418	63	180882	7.997	ppbv	99
25) Ethyl Acetate	2.848	43	767353	10.652	ppbv	99
26) Hexane	2.839	57	306864	10.615	ppbv	99
27) Carbon Disulfide	2.159	76	224609	8.261	ppbv	98
28) Methyl tert-Butyl Ether	2.453	73	168058	9.510	ppbv	98
29) Chloroform	2.861	83	409240	9.774	ppbv	100
30) Cyclohexane	3.874	84	256687	10.946	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	299324	10.476	ppbv	96
32) 1,1,1-Trichloroethane	3.386	97	417615	8.994	ppbv	98
34) 2-Butanone	2.570	43	457602	13.234	ppbv	98
35) Carbon Tetrachloride	3.780	117	410730	10.524	ppbv	96
36) Benzene	3.674	78	602107	12.367	ppbv	97
37) 1,2-Dichloroethane	3.233	62	335275	12.097	ppbv	99
38) Trichloroethene	4.573	130	228298	11.542	ppbv	98
39) 1,2-Dichloropropane	4.337	63	228418	12.797	ppbv	98
40) 1,4-Dioxane	4.609	88	104519	11.253	ppbv #	96
41) Tetrahydrofuran	3.068	42	271202	13.724	ppbv	100
42) Bromodichloromethane	4.512	83	461272	12.285	ppbv	96
43) Methyl Methacrylate	4.907	69	246468	11.105	ppbv	97
44) 2,2,4-Trimethylpentane	4.667	57	1054880	12.763	ppbv	99
45) t-1,3-Dichloropropene	6.444	75	249612	11.914	ppbv	95

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Manual Integrations
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 Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 25 12:35:10 2025

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

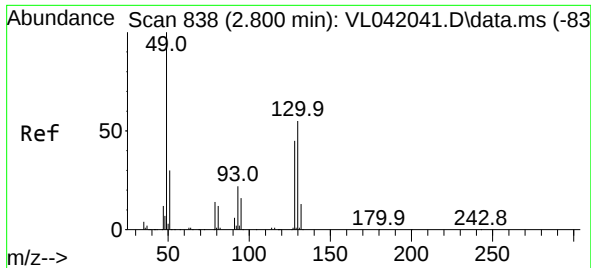
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

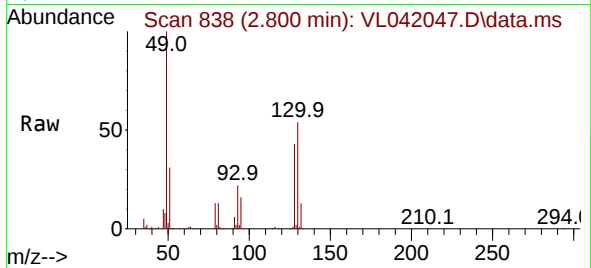
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	317266	11.935	ppbv	98
47) 1,1,2-Trichloroethane	6.609	97	226021	12.032	ppbv	95
48) Dibromochloromethane	7.412	129	369666	11.750	ppbv	99
49) Bromoform	9.503	173	317322	12.297	ppbv	99
50) 4-Methyl-2-Pentanone	5.787	43	650307	12.237	ppbv	99
51) 2-Hexanone	7.461	43	530165	12.198	ppbv #	100
52) Tetrachloroethene	8.247	164	203233	11.968	ppbv	94
53) Toluene	6.959	91	673822	11.615	ppbv	99
54) 1,2-Dibromoethane	7.677	107	309982	11.985	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.946	131	276326	10.979	ppbv	99
57) Chlorobenzene	8.943	112	494606	11.957	ppbv	98
58) Ethyl Benzene	9.373	91	922265	11.984	ppbv	100
59) m/p-Xylene	9.571	91	1456036m	24.020	ppbv	
60) o-Xylene	9.982	91	712735	11.626	ppbv	99
61) Styrene	9.888	104	363855	12.446	ppbv	99
62) Isopropylbenzene	10.558	105	1068777	11.612	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	459839	11.626	ppbv	100
64) n-propylbenzene	11.005	120	282364	12.486	ppbv	99
65) tert-Butylbenzene	11.548	119	924810	11.526	ppbv	99
66) Benzyl Chloride	11.633	91	78975	9.819	ppbv	98
67) sec-Butylbenzene	11.785	105	1315730	11.674	ppbv	99
69) p-Isopropyltoluene	11.940	119	1084253	11.752	ppbv	99
70) n-Butylbenzene	12.296	91	1118373	12.306	ppbv	99
71) 2-Chlorotoluene	10.917	91	818204	11.804	ppbv	100
72) 4-Ethyltoluene	11.141	105	880883	12.264	ppbv	99
73) 1,3,5-Trimethylbenzene	11.218	105	738619	11.921	ppbv	98
74) 1,2,4-Trimethylbenzene	11.552	105	784701	11.801	ppbv	91
75) 1,3-Dichlorobenzene	11.623	146	465436	13.003	ppbv	98
76) 1,4-Dichlorobenzene	11.688	146	467249	13.386	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	449222	13.129	ppbv	98
78) Hexachloro-1,3-Butadiene	13.895	225	351085	12.403	ppbv	100
79) Naphthalene	13.526	128	764990	11.696	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	324431	10.956	ppbv	99
81) 1,2,4-Trichlorobenzene	13.455	180	354990	13.351	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

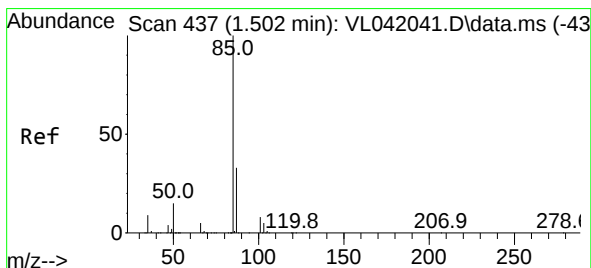
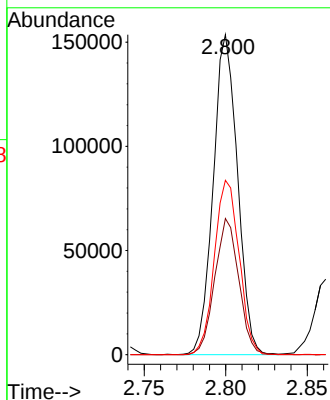
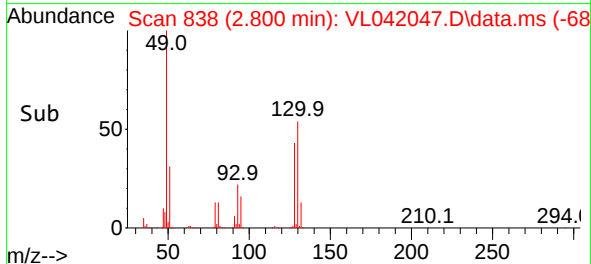
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



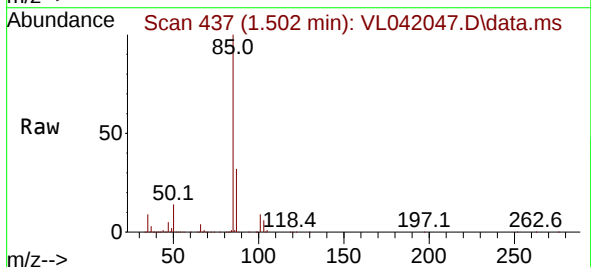
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Ion Ratio Lower Upper
49 100
128 42.1 21.6 64.8
130 55.6 27.8 83.4

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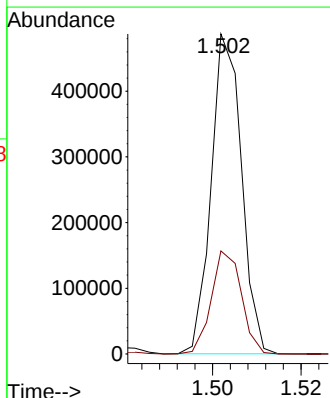
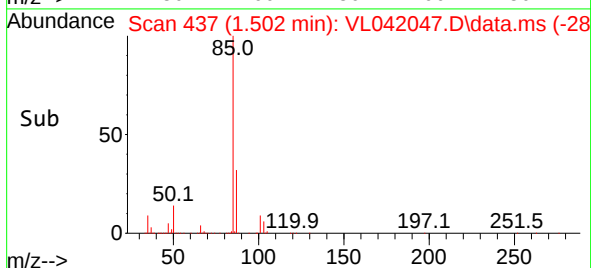
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

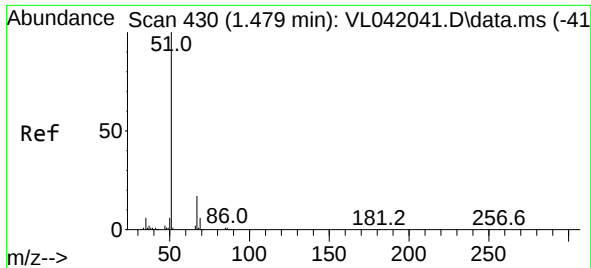


#2
Dichlorodifluoromethane
Concen: 8.474 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07



Tgt Ion: 85 Resp: 231978
Ion Ratio Lower Upper
85 100
87 32.2 26.4 39.6





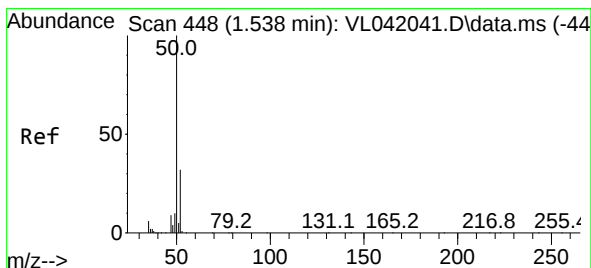
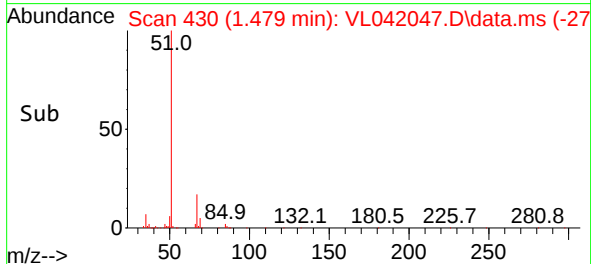
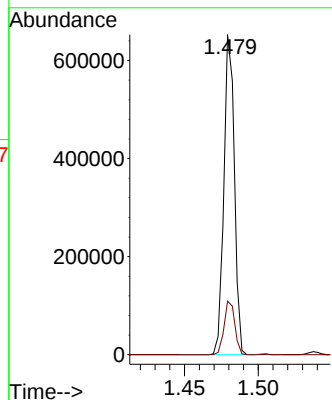
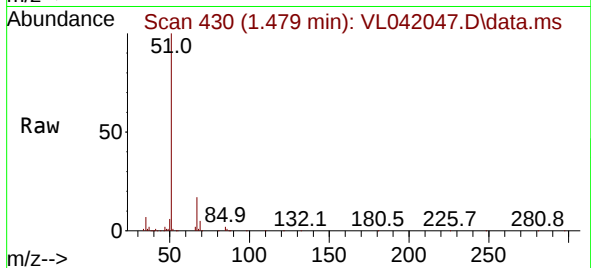
#3
Chlorodifluoromethane
Concen: 10.733 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 51 Resp: 32482
Ion Ratio Lower Upper
51 100
67 17.1 13.7 20.5

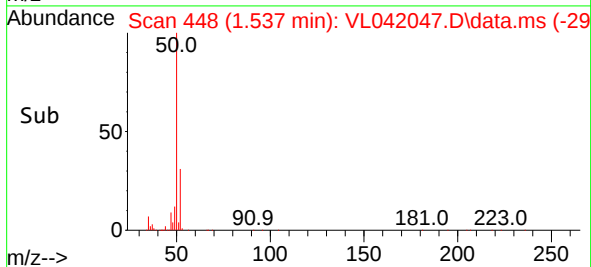
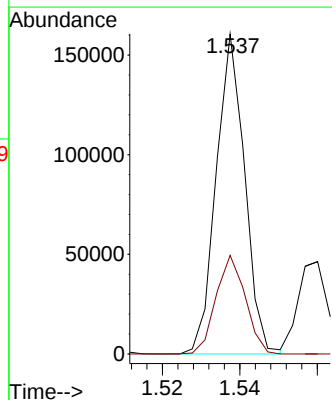
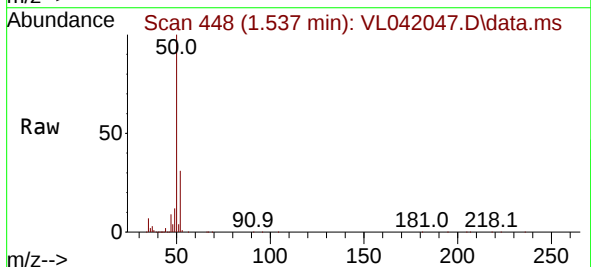
Manual Integrations
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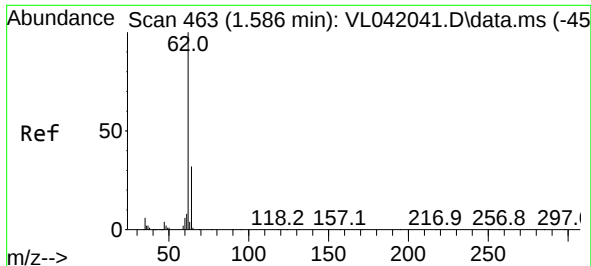
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#4
Chloromethane
Concen: 7.718 ppbv
RT: 1.537 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

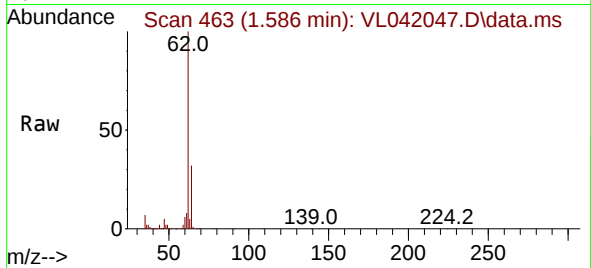
Tgt Ion: 50 Resp: 82097
Ion Ratio Lower Upper
50 100
52 30.8 25.4 38.0





#5
 Vinyl Chloride
 Concen: 6.436 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

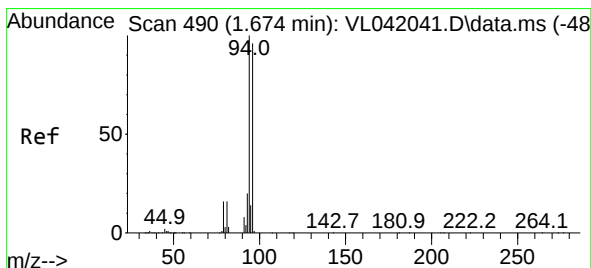
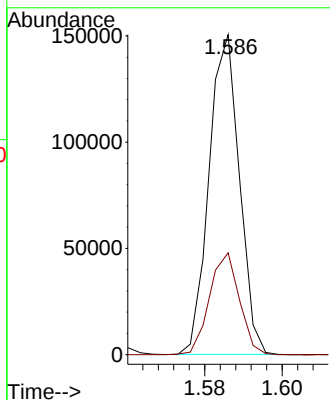
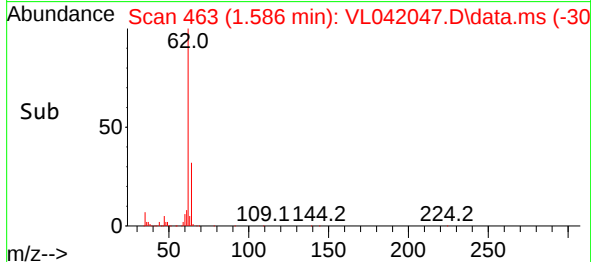
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 62 Resp: 8186
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.3 37.9

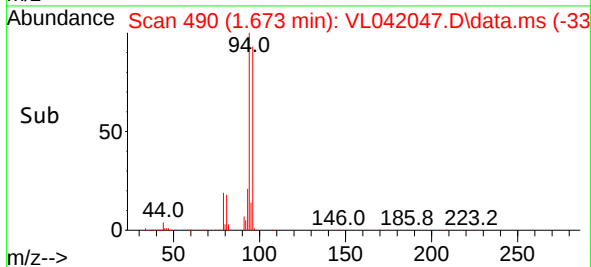
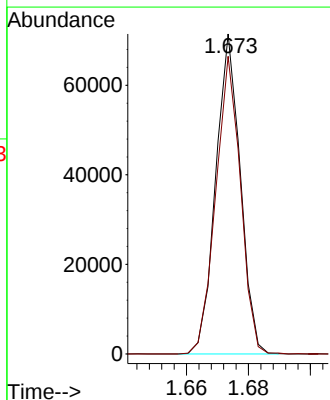
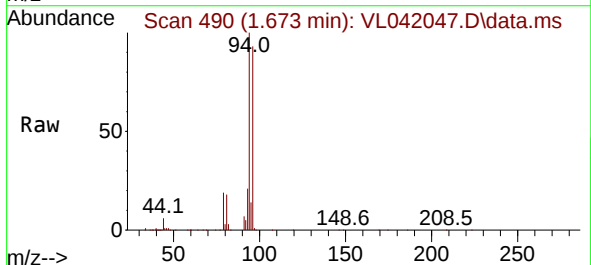
Manual Integrations
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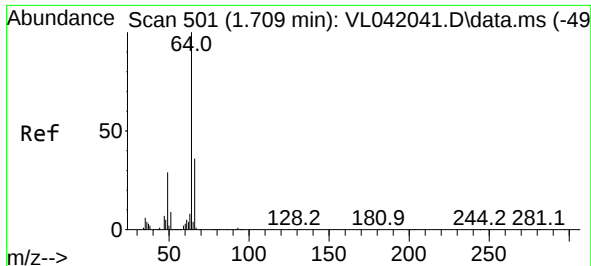
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#6
 Bromomethane
 Concen: 7.983 ppbv
 RT: 1.673 min Scan# 490
 Delta R.T. -0.000 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

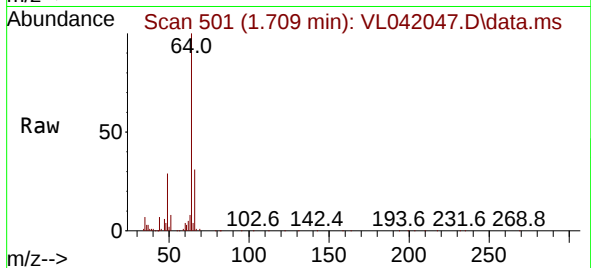
Tgt Ion: 94 Resp: 39366
 Ion Ratio Lower Upper
 94 100
 96 93.0 76.5 114.7





#7
Chloroethane
Concen: 8.039 ppbv
RT: 1.709 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

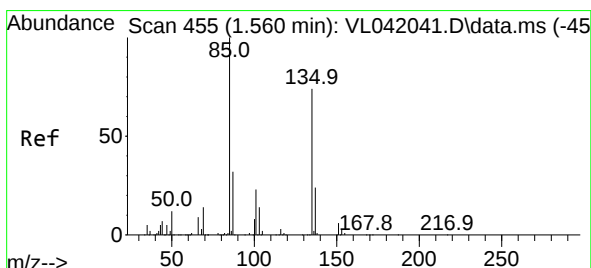
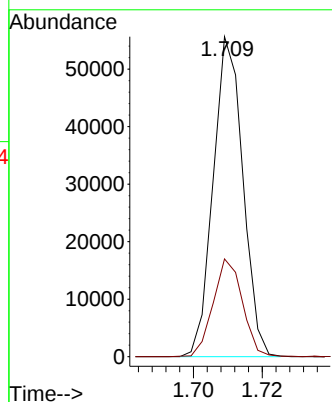
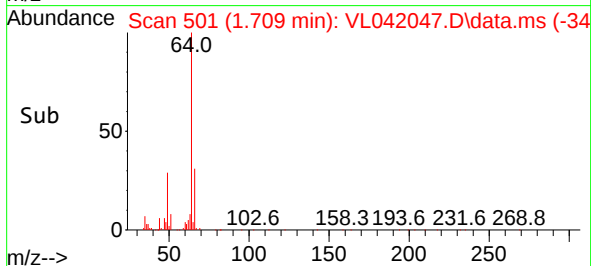
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



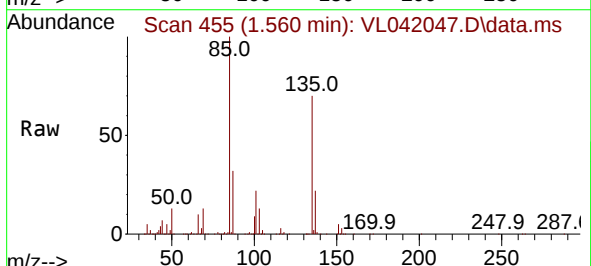
Tgt Ion: 64 Resp: 33329
Ion Ratio Lower Upper
64 100
66 30.6 28.4 42.6

Manual Integrations
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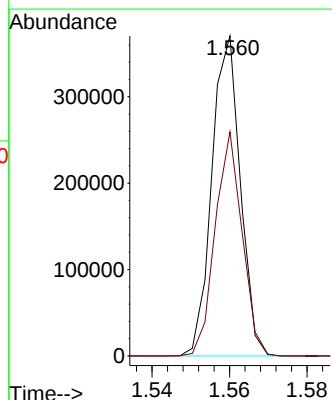
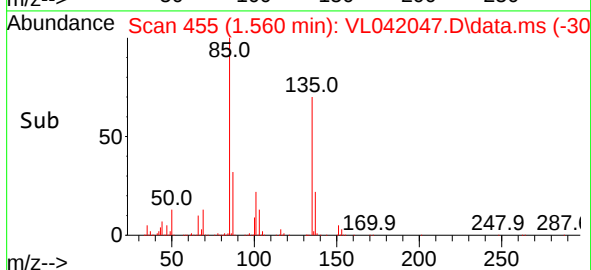
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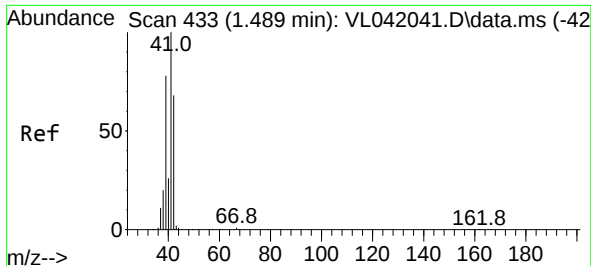


#8
Dichlorotetrafluoroethane
Concen: 7.837 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07



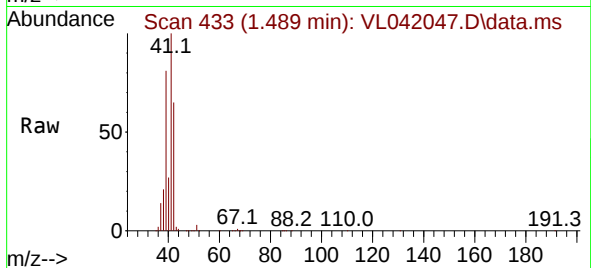
Tgt Ion: 85 Resp: 188716
Ion Ratio Lower Upper
85 100
135 66.5 54.6 81.8





#9
 Propene
 Concen: 10.201 ppbv
 RT: 1.489 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

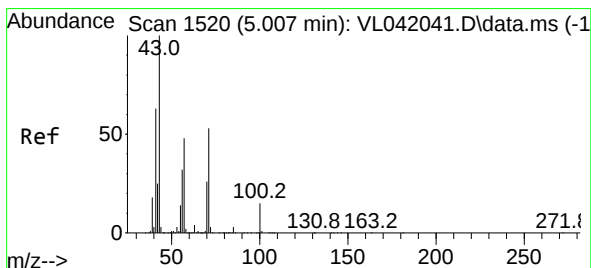
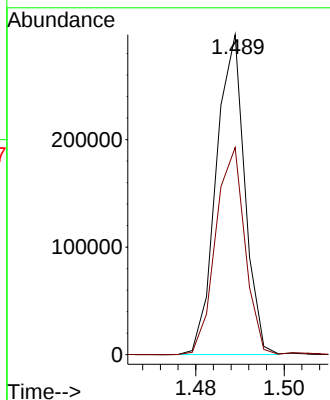
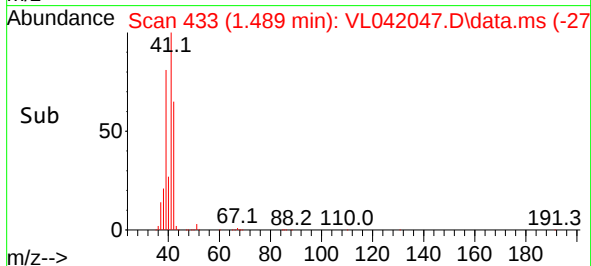
Instrument :
 MSVOA_L
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 VSTDIC015



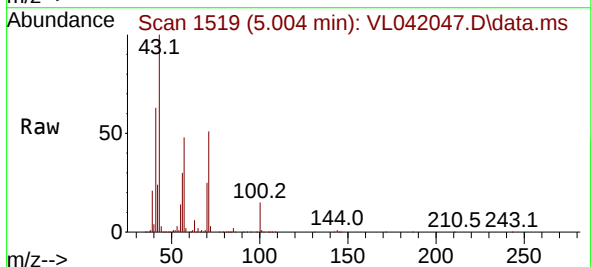
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 Ion Ratio Lower Upper
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 42 67.4 55.8 83.6

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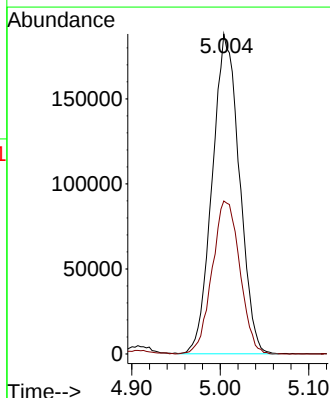
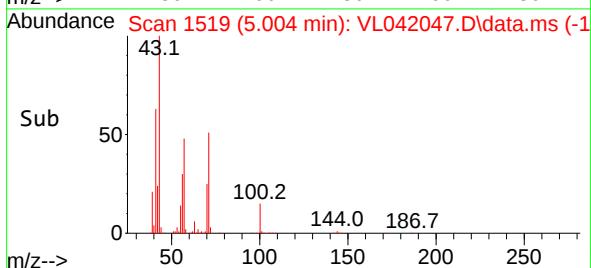
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

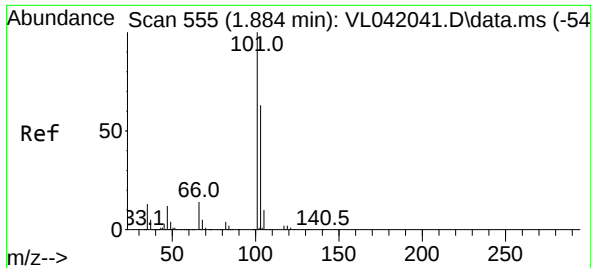


#10
 Heptane
 Concen: 11.052 ppbv
 RT: 5.004 min Scan# 1519
 Delta R.T. -0.004 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07



Tgt Ion: 43 Resp: 400418
 Ion Ratio Lower Upper
 43 100
 57 48.8 39.4 59.0





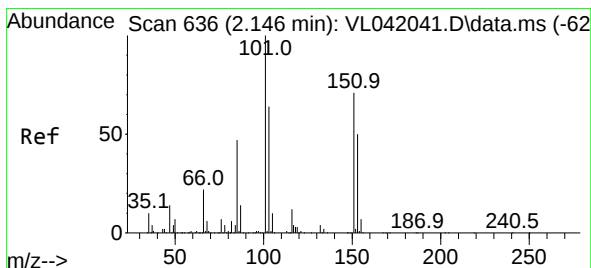
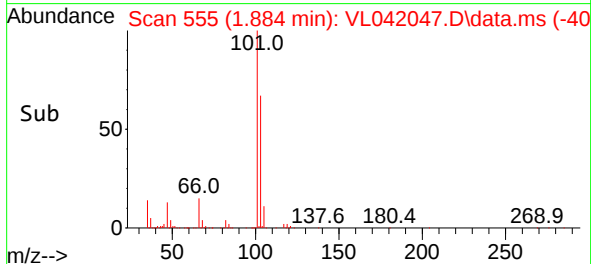
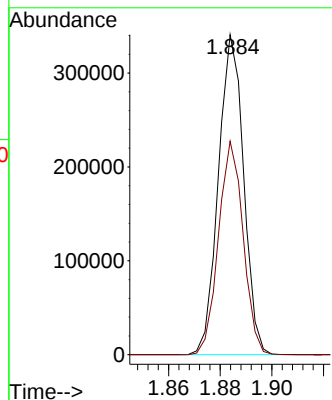
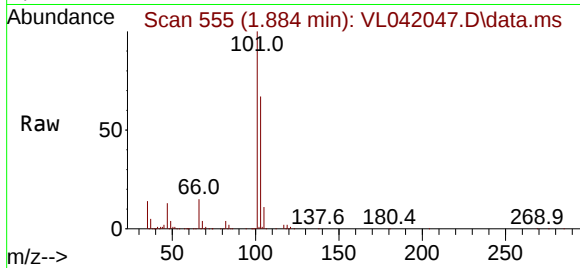
#11
 Trichlorofluoromethane
 Concen: 8.383 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:101 Resp: 230938
 Ion Ratio Lower Upper
 101 100
 103 66.7 50.6 75.8

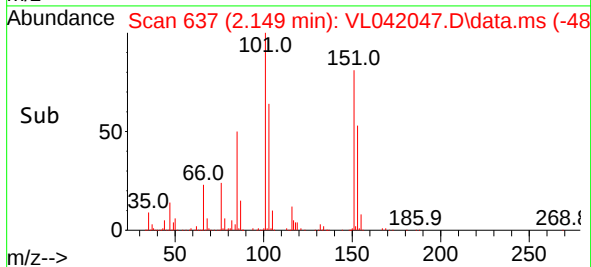
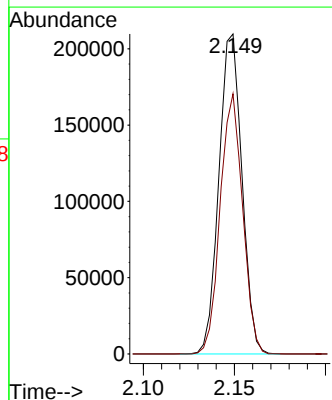
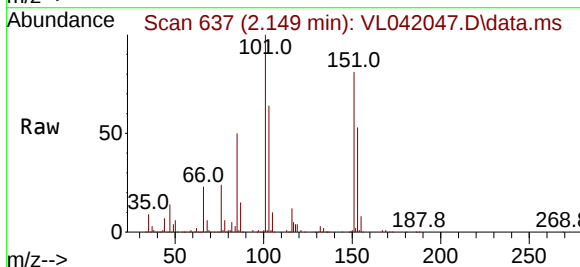
Manual Integrations
 APPROVED

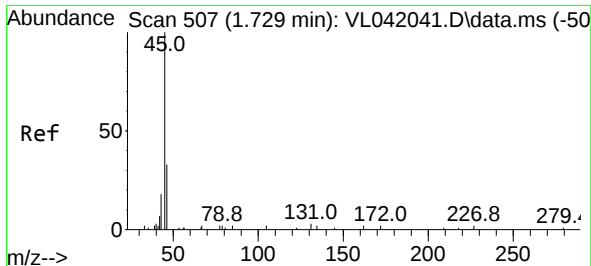
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.579 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.003 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

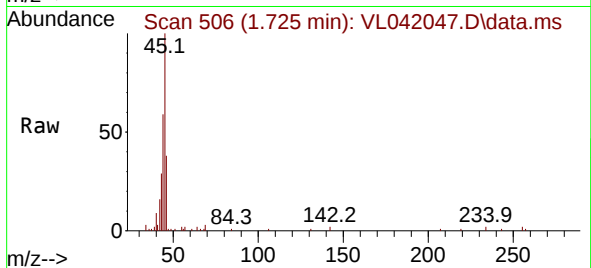
Tgt Ion:101 Resp: 184306
 Ion Ratio Lower Upper
 101 100
 151 79.1 62.6 94.0





#13
Ethanol
Concen: 2.909 ppbv
RT: 1.725 min Scan# 507
Delta R.T. -0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

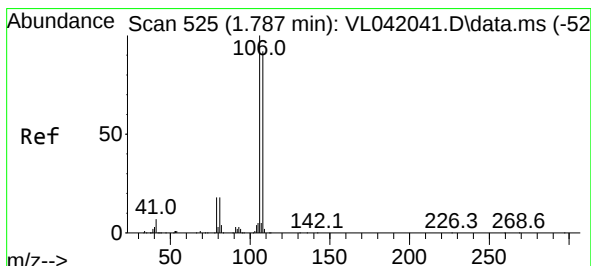
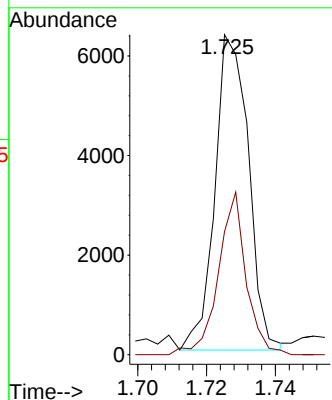
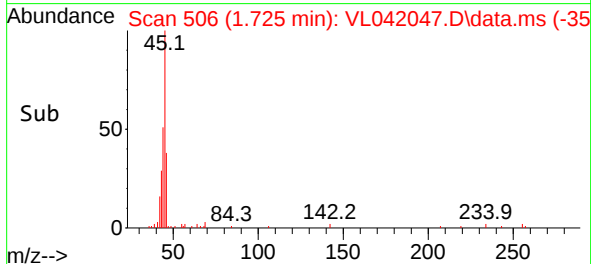
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



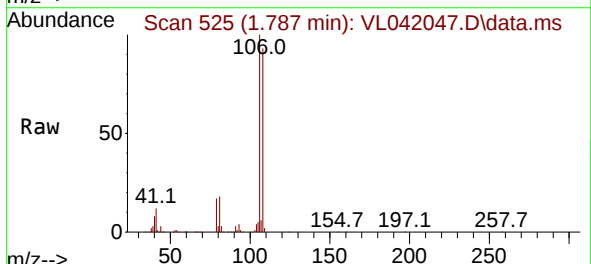
Tgt Ion: 45 Resp: 428
Ion Ratio Lower Upper
45 100
46 42.7 17.1 68.3

Manual Integrations
APPROVED

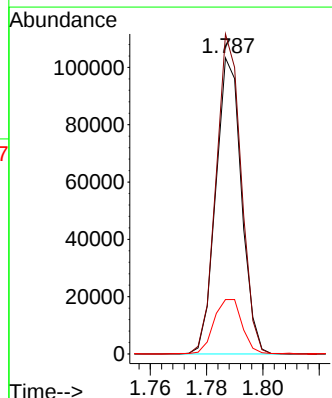
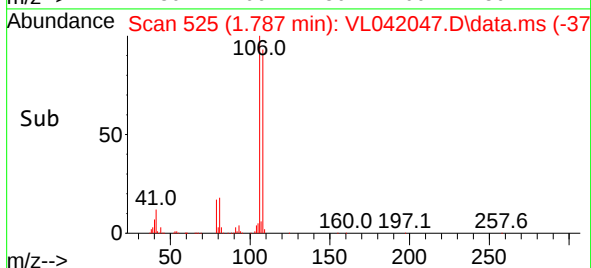
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

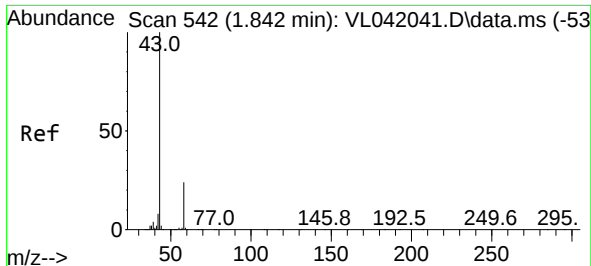


#14
Bromoethene
Concen: 8.164 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07



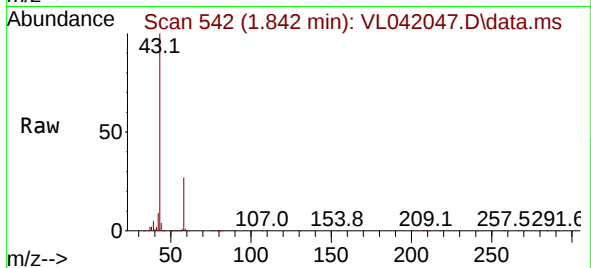
Tgt Ion:108 Resp: 65496
Ion Ratio Lower Upper
108 100
106 105.7 85.4 128.0
79 20.5 16.5 24.7





#15
Acetone
Concen: 6.574 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

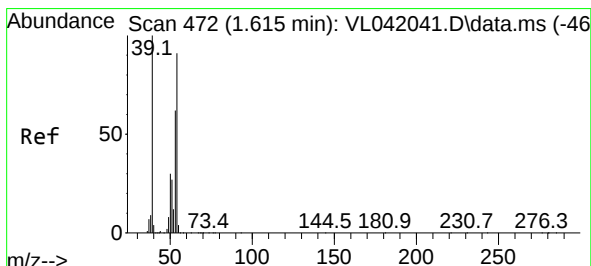
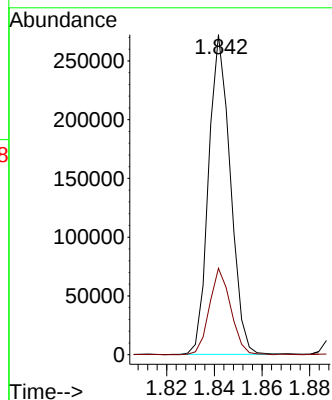
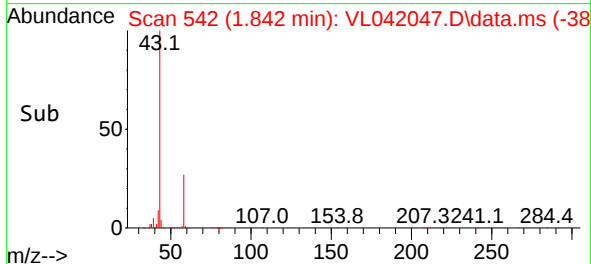
Instrument : MSVOA_L
ClientSampleId : VSTDIC015



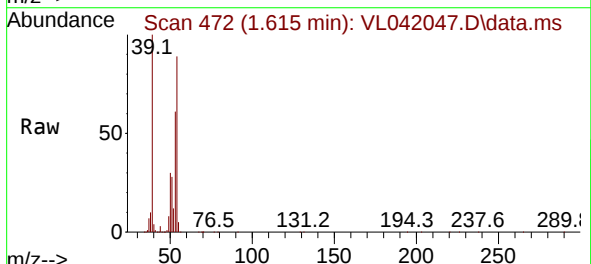
Tgt Ion: 43 Resp: 172538
Ion Ratio Lower Upper
43 100
58 26.7 20.7 31.1

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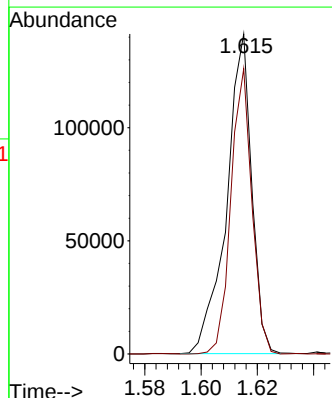
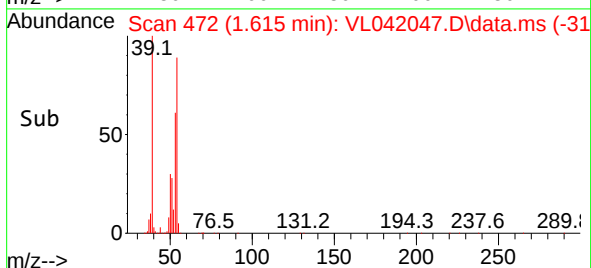
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

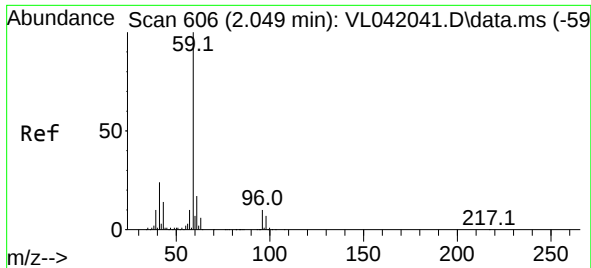


#16
1,3-Butadiene
Concen: 7.027 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07



Tgt Ion: 39 Resp: 87490
Ion Ratio Lower Upper
39 100
54 74.6 59.6 89.4





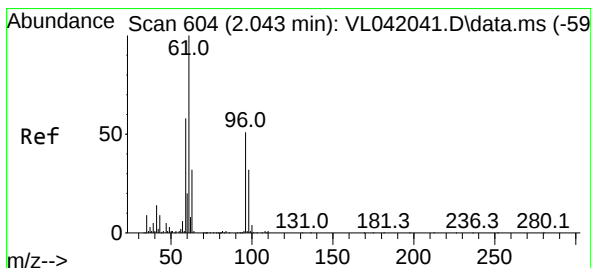
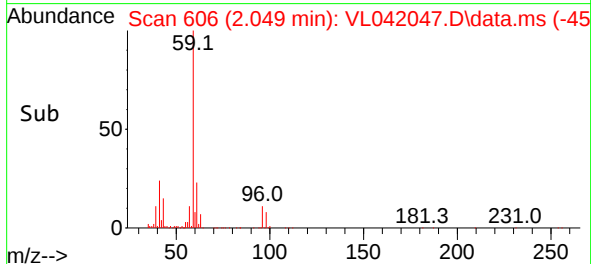
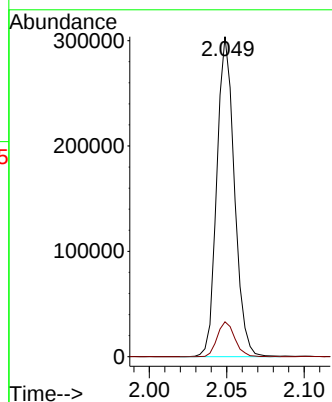
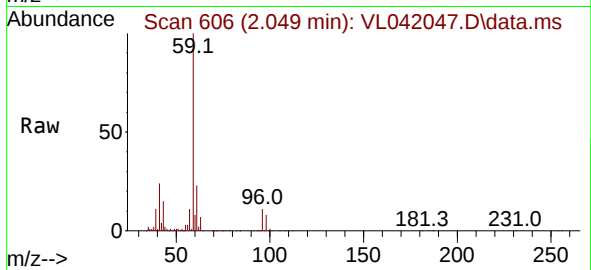
#17
tert-Butyl alcohol
Concen: 7.377 ppbv
RT: 2.049 min Scan# 606
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 59 Resp: 23956
Ion Ratio Lower Upper
59 100
57 10.9 9.3 13.9

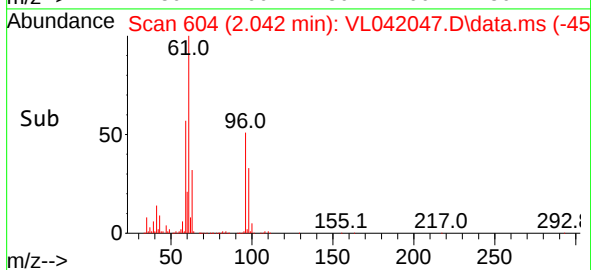
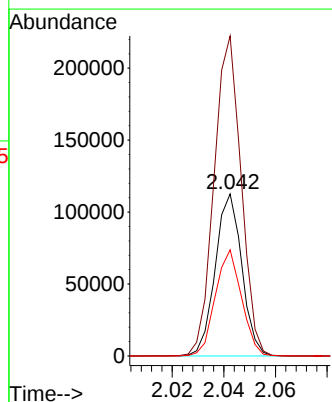
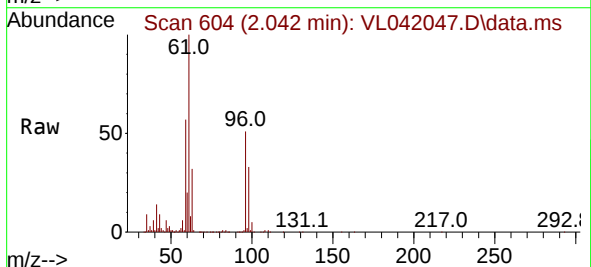
Manual Integrations
APPROVED

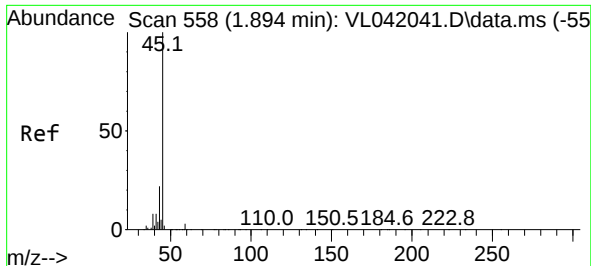
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#18
1,1-Dichloroethene
Concen: 7.845 ppbv
RT: 2.042 min Scan# 604
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

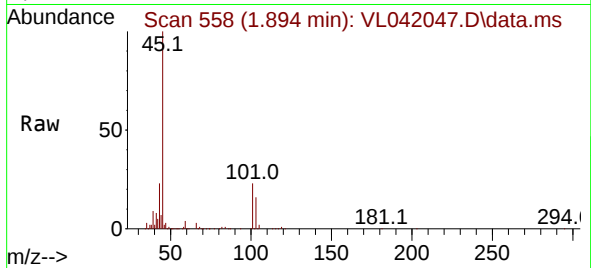
Tgt Ion: 96 Resp: 80535
Ion Ratio Lower Upper
96 100
61 197.3 156.0 234.0
98 65.4 49.4 74.2





#19
Isopropyl Alcohol
Concen: 6.955 ppbv
RT: 1.894 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

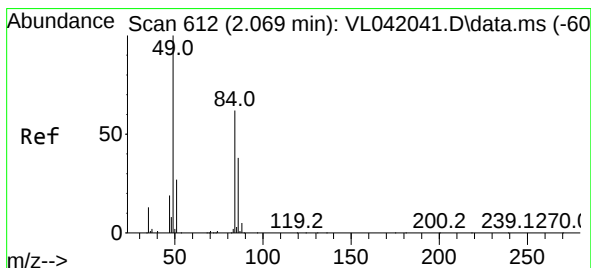
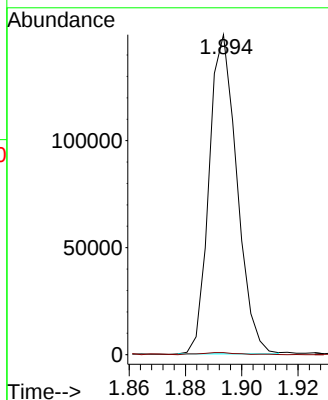
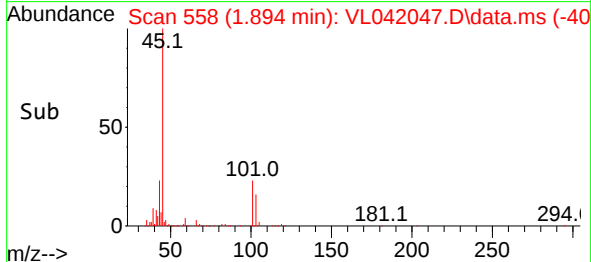
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



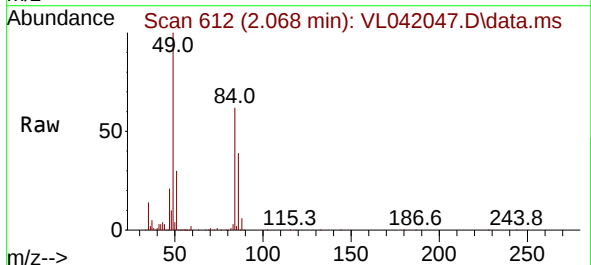
Tgt Ion: 45 Resp: 10236
Ion Ratio Lower Upper
45 100
58 45.1 35.3 52.9

Manual Integrations
APPROVED

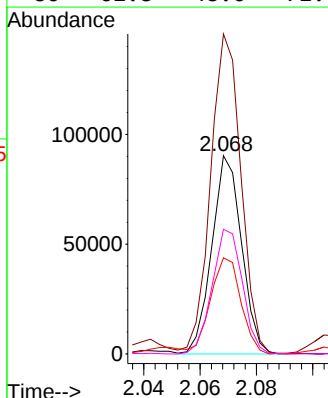
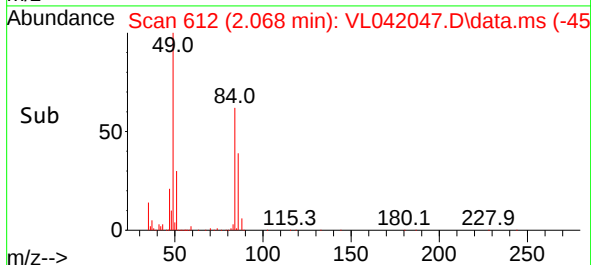
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

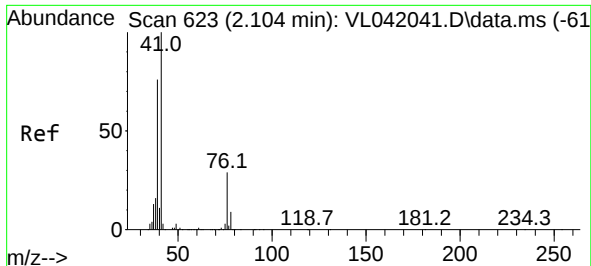


#20
Methylene Chloride
Concen: 6.709 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07



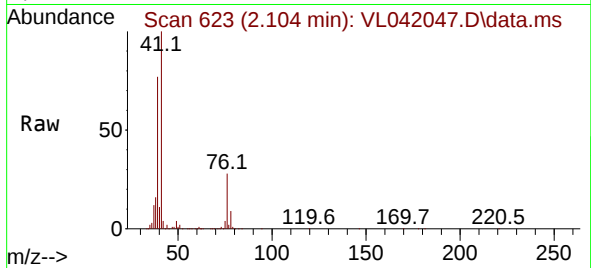
Tgt Ion: 84 Resp: 66282
Ion Ratio Lower Upper
84 100
49 161.0 130.0 195.0
51 48.1 37.4 56.0
86 62.8 48.6 72.8





#21
 Allyl Chloride
 Concen: 7.406 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

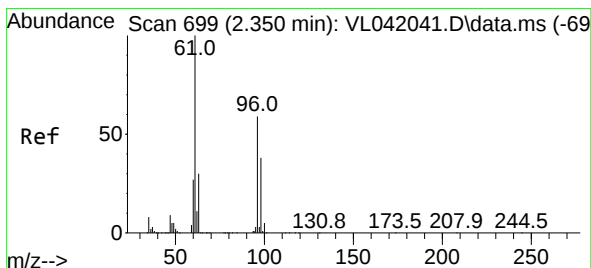
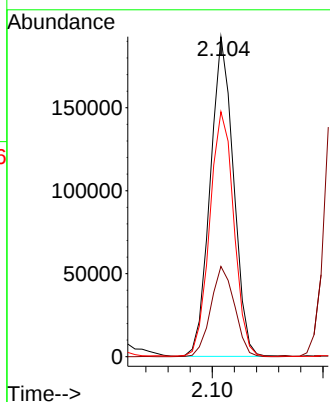
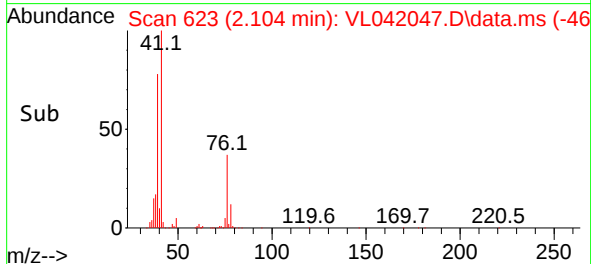
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 41 Resp: 140720
 Ion Ratio Lower Upper
 41 100
 76 28.8 23.8 35.6
 39 79.2 63.8 95.6

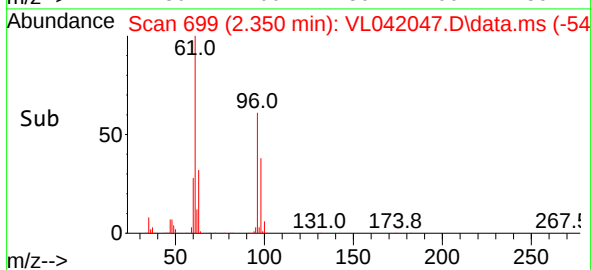
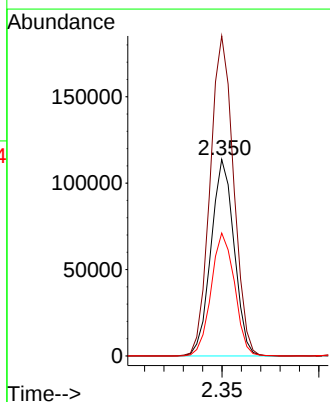
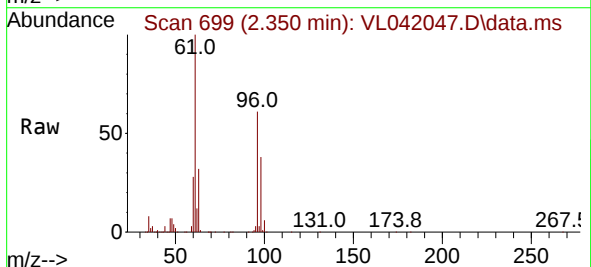
Manual Integrations
 APPROVED

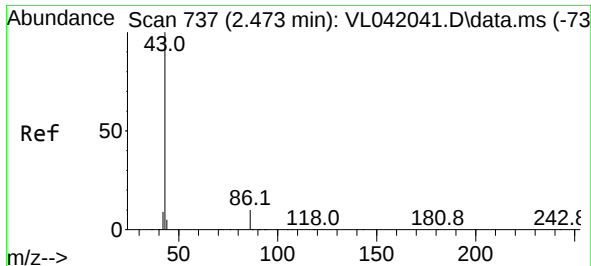
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#22
 trans-1,2-Dichloroethene
 Concen: 8.466 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. -0.000 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

Tgt Ion: 96 Resp: 94321
 Ion Ratio Lower Upper
 96 100
 61 162.9 136.6 205.0
 98 62.6 51.8 77.6





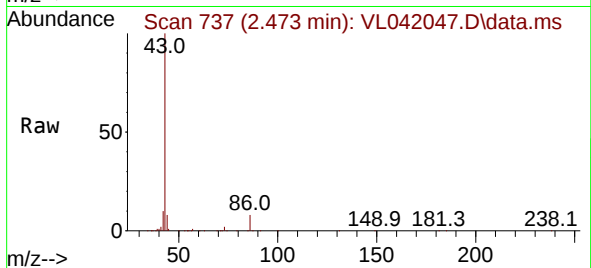
#23
 Vinyl Acetate
 Concen: 9.831 ppbv
 RT: 2.473 min Scan# 737
 Delta R.T. -0.000 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

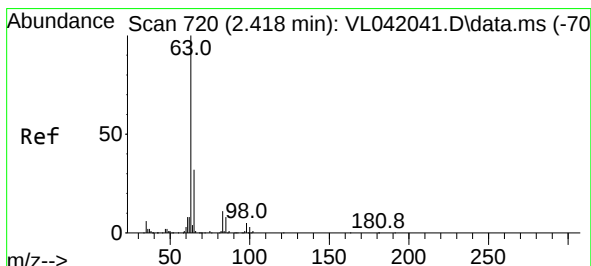
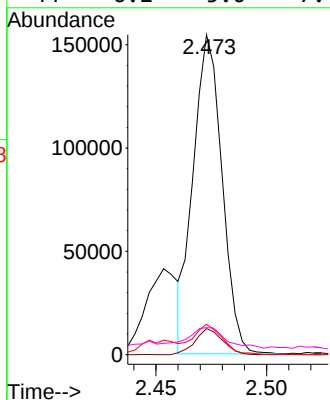
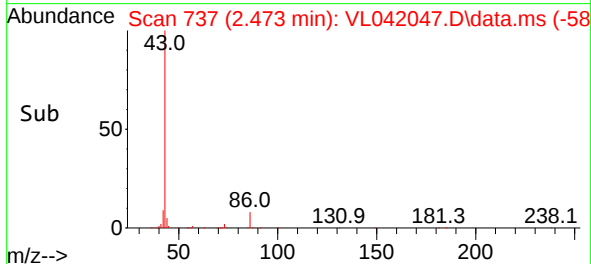


Tgt Ion: 43 Resp: 139721
 Ion Ratio Lower Upper
 43 100
 86 8.1 7.0 10.4
 42 9.5 7.6 11.4
 44 6.2 5.0 7.4

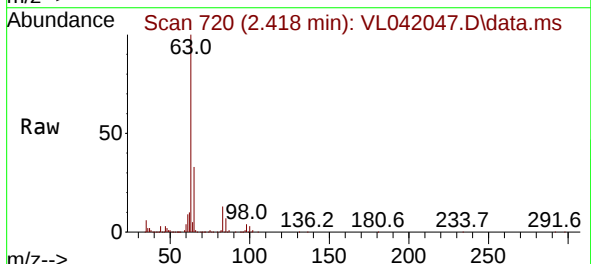
Manual Integrations

APPROVED

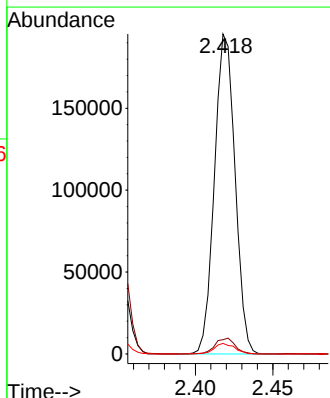
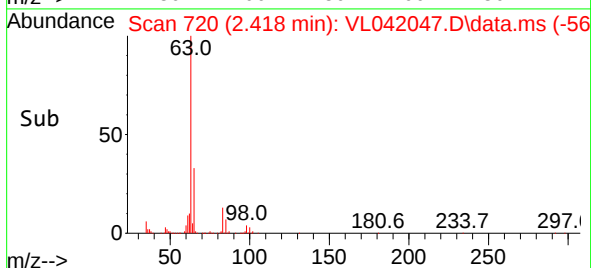
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

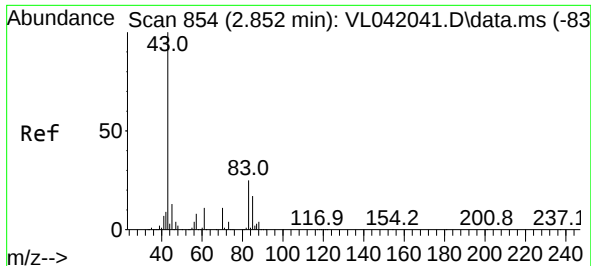


#24
 1,1-Dichloroethane
 Concen: 7.997 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. -0.000 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07



Tgt Ion: 63 Resp: 180882
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.4 7.2
 100 3.3 1.7 5.0





#25

Ethyl Acetate

Concen: 10.652 ppbv

RT: 2.848 min Scan# 853

Delta R.T. -0.004 min

Lab File: VL042047.D

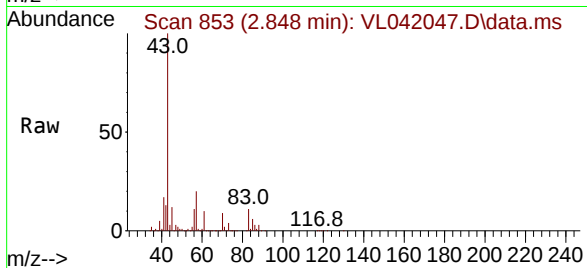
Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015



Tgt Ion: 43 Resp: 76735

Ion Ratio Lower Upper

43 100

45 10.4 8.1 12.1

61 9.1 7.2 10.8

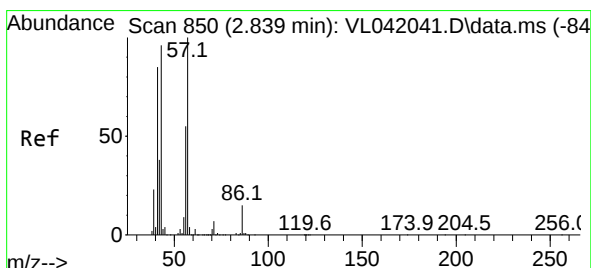
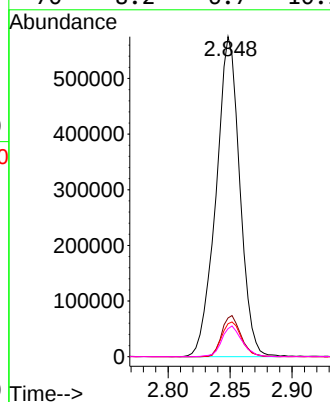
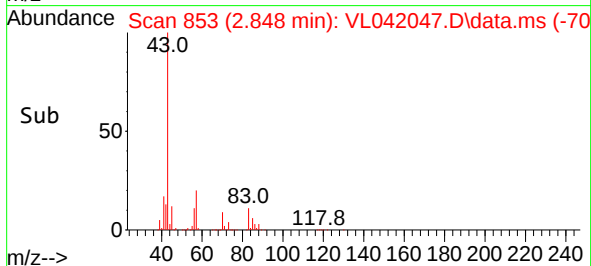
70 8.2 6.7 10.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#26

Hexane

Concen: 10.615 ppbv

RT: 2.839 min Scan# 850

Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Tgt Ion: 57 Resp: 306864

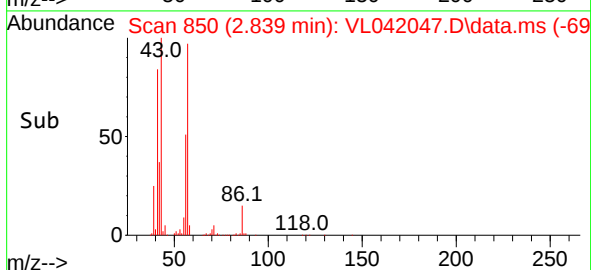
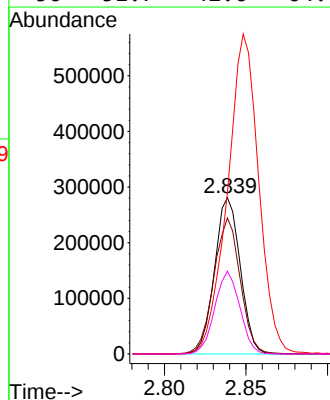
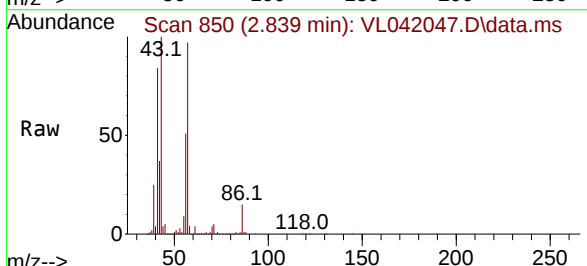
Ion Ratio Lower Upper

57 100

41 89.9 70.6 106.0

43 250.3 199.4 299.0

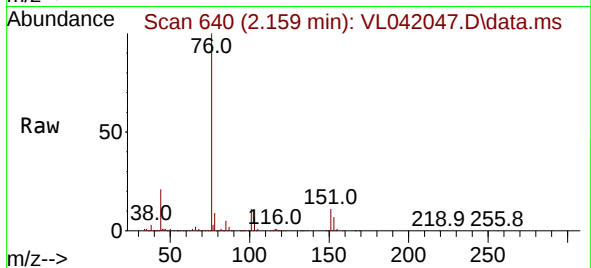
56 51.7 42.6 64.0





#27
Carbon Disulfide
Concen: 8.261 ppbv
RT: 2.159 min Scan# 640
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

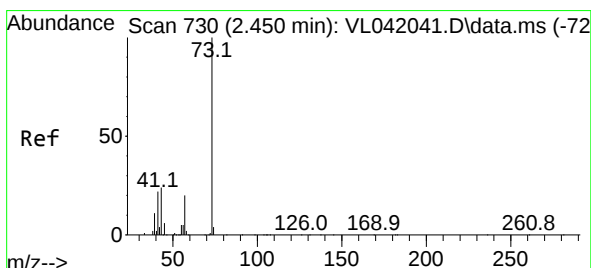
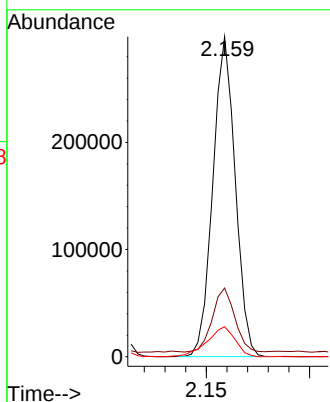
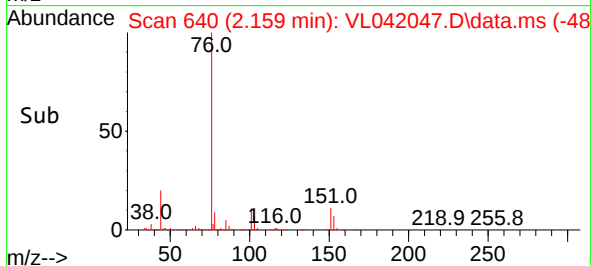
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



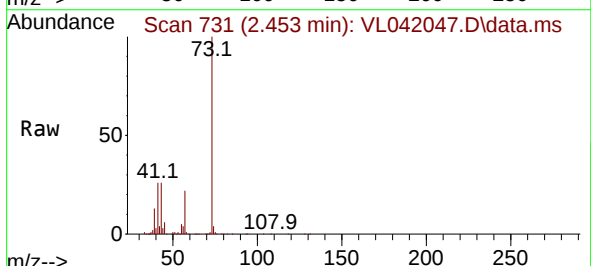
Tgt Ion: 76 Resp: 224609
Ion Ratio Lower Upper
76 100
44 21.3 16.2 24.2
78 11.7 9.4 14.0

Manual Integrations
APPROVED

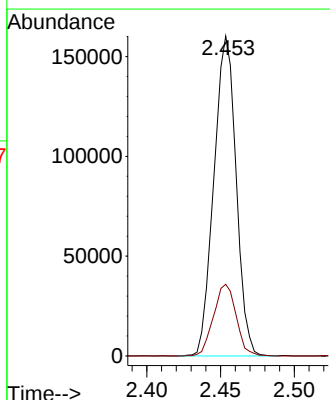
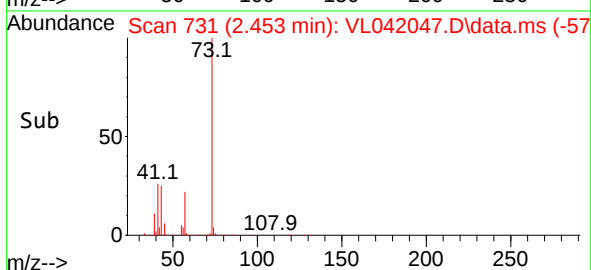
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

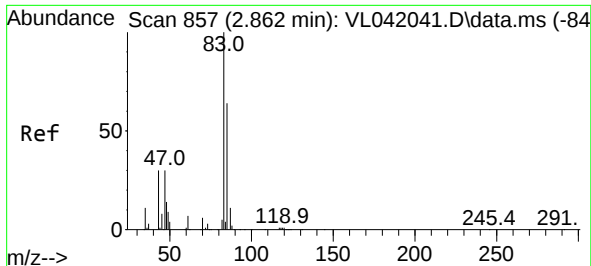


#28
Methyl tert-Butyl Ether
Concen: 9.510 ppbv
RT: 2.453 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07



Tgt Ion: 73 Resp: 168058
Ion Ratio Lower Upper
73 100
57 22.9 17.7 26.5





#29

Chloroform

Concen: 9.774 ppbv

RT: 2.861 min Scan# 857

Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 409240

Ion Ratio Lower Upper

83 100

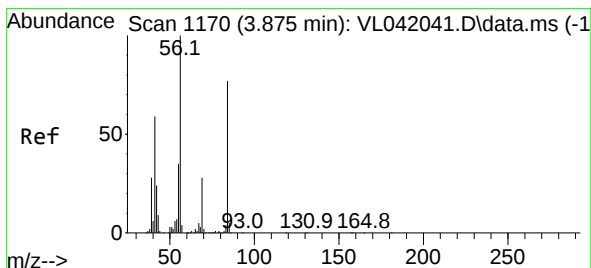
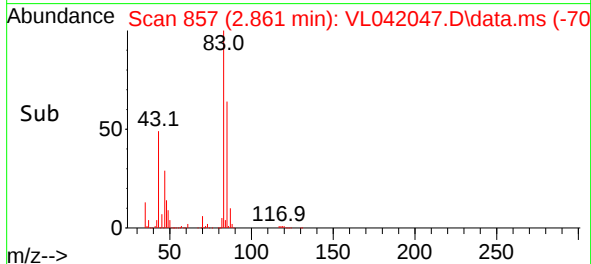
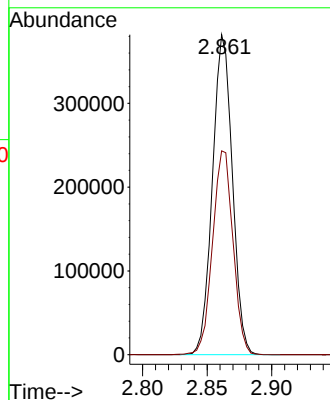
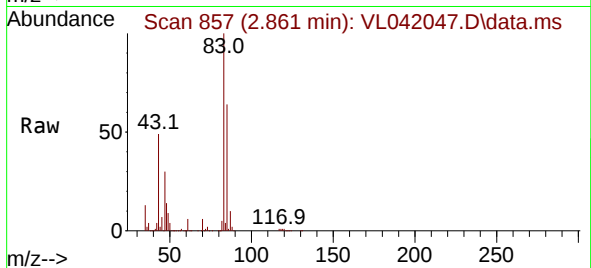
85 63.7 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#30

Cyclohexane

Concen: 10.946 ppbv

RT: 3.874 min Scan# 1170

Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

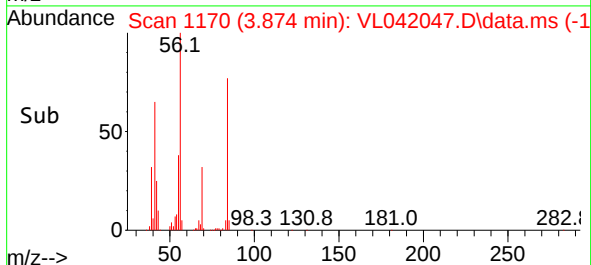
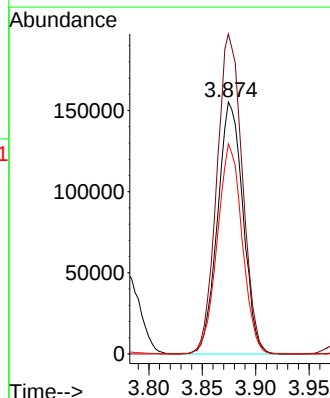
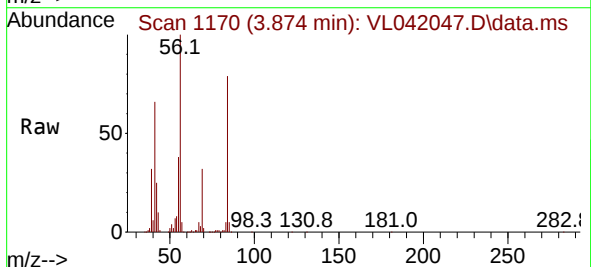
Tgt Ion: 84 Resp: 256687

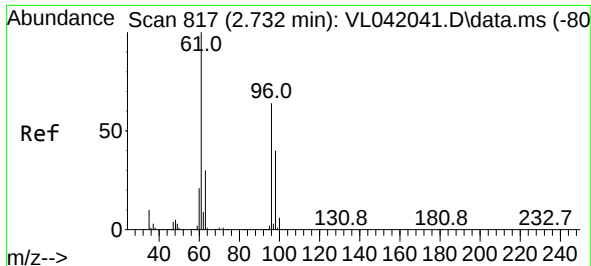
Ion Ratio Lower Upper

84 100

56 127.5 101.5 152.3

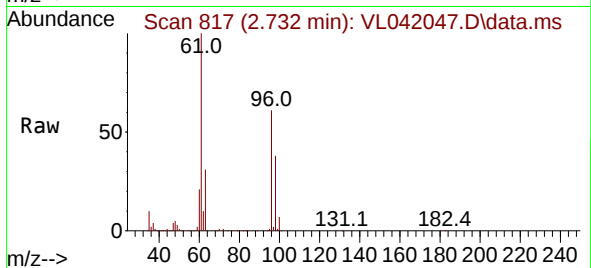
41 81.7 62.6 93.8





#31
 cis-1,2-Dichloroethene
 Concen: 10.476 ppbv
 RT: 2.732 min Scan# 817
 Delta R.T. -0.000 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

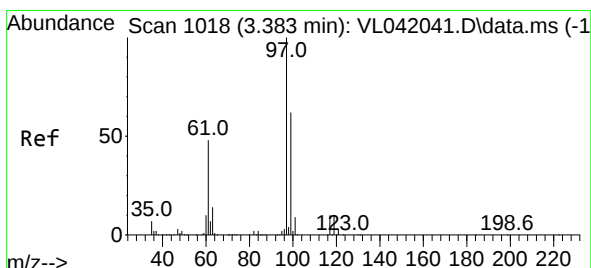
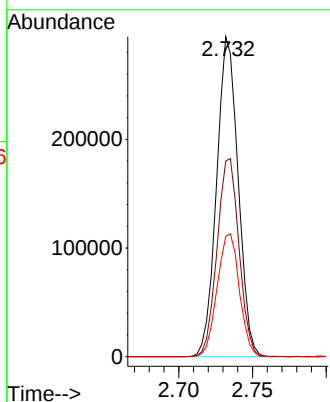
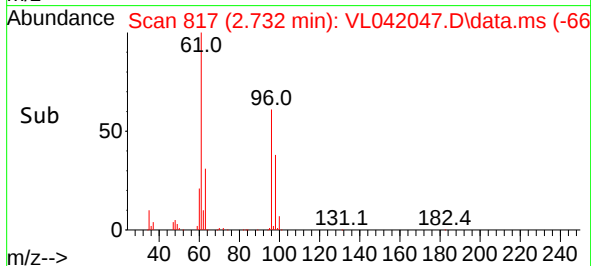
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015



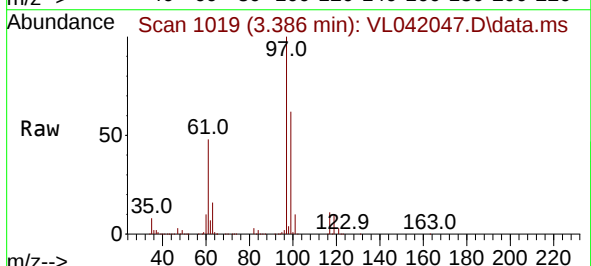
Tgt Ion: 61 Resp: 299324
 Ion Ratio Lower Upper
 61 100
 96 61.2 51.5 77.3
 98 37.6 32.0 48.0

Manual Integrations
 APPROVED

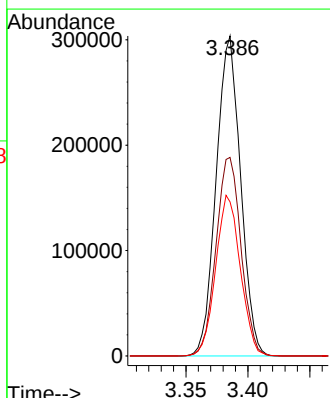
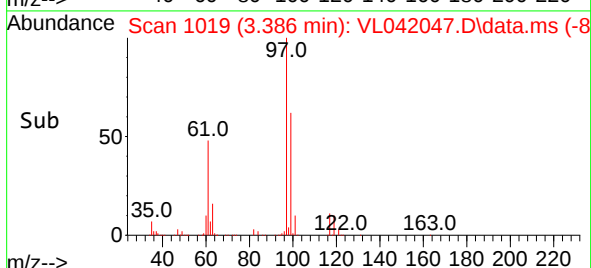
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

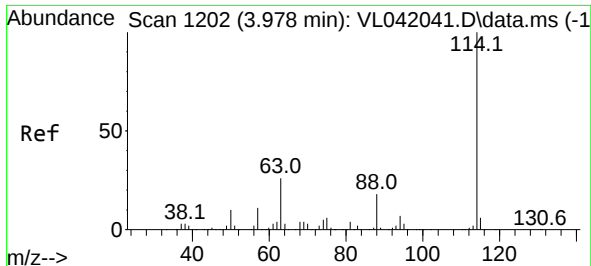


#32
 1,1,1-Trichloroethane
 Concen: 8.994 ppbv
 RT: 3.386 min Scan# 1019
 Delta R.T. 0.003 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07



Tgt Ion: 97 Resp: 417615
 Ion Ratio Lower Upper
 97 100
 99 63.5 49.8 74.6
 61 50.7 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:114 Resp: 401919

Ion Ratio Lower Upper

114 100

63 25.7 20.1 30.1

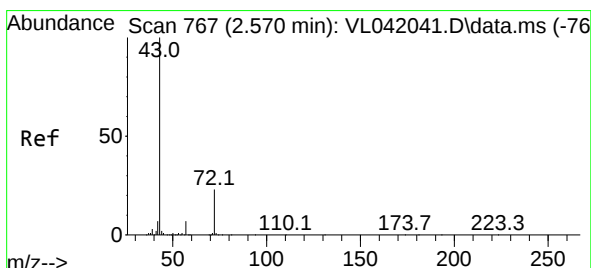
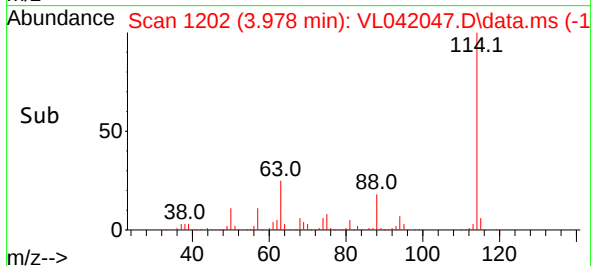
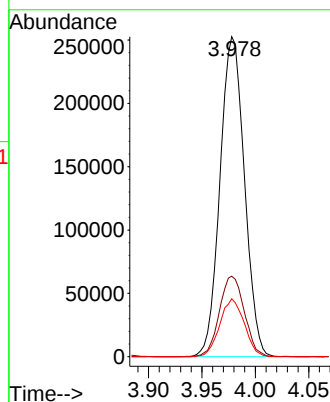
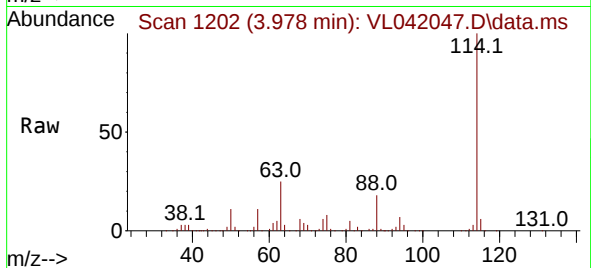
88 18.1 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#34

2-Butanone

Concen: 13.234 ppbv

RT: 2.570 min Scan# 767

Delta R.T. -0.000 min

Lab File: VL042047.D

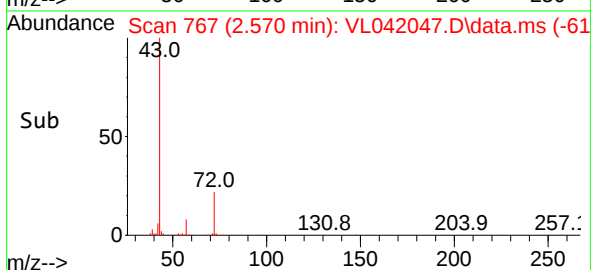
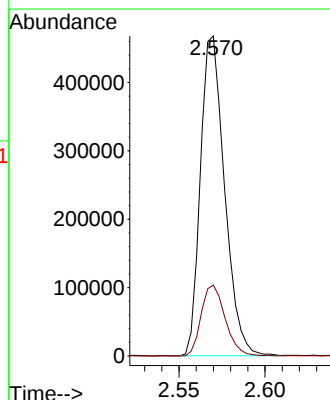
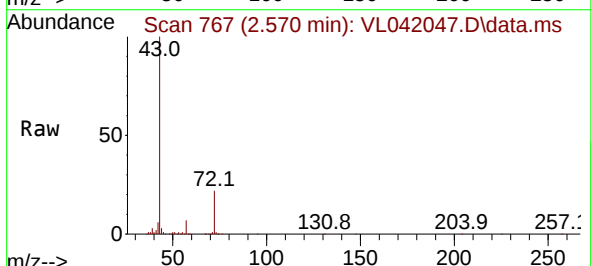
Acq: 25 Feb 2025 12:07

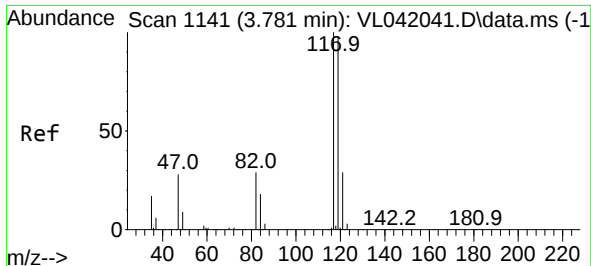
Tgt Ion: 43 Resp: 457602

Ion Ratio Lower Upper

43 100

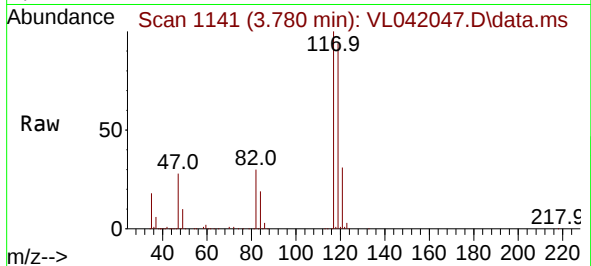
72 22.1 18.5 27.7





#35
Carbon Tetrachloride
Concen: 10.524 ppbv
RT: 3.780 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

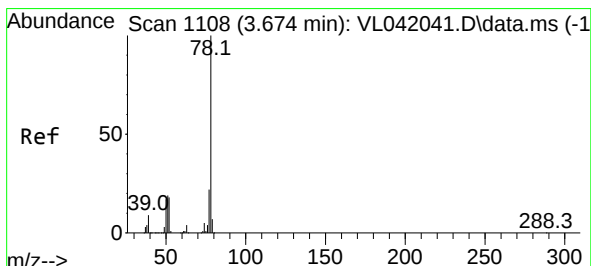
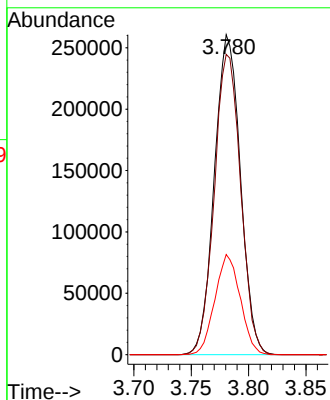
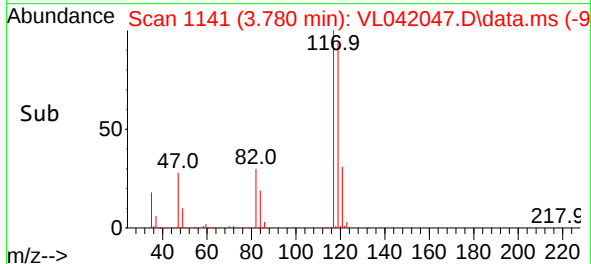
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion:117 Resp: 410730
Ion Ratio Lower Upper
117 100
119 93.9 77.8 116.8
121 31.3 23.4 35.0

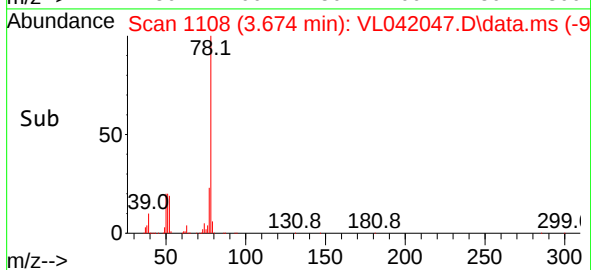
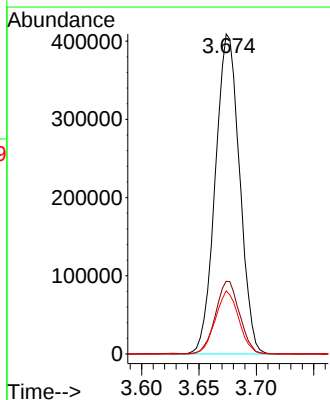
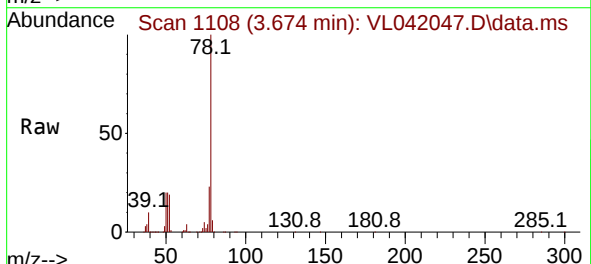
Manual Integrations
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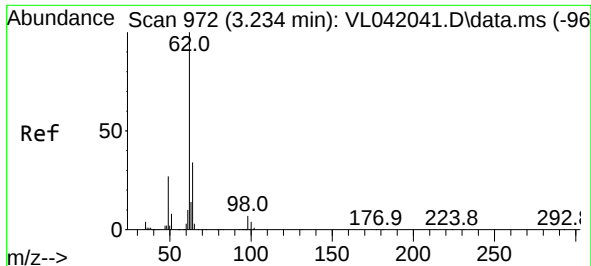
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#36
Benzene
Concen: 12.367 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 78 Resp: 602107
Ion Ratio Lower Upper
78 100
77 22.7 17.7 26.5
50 19.7 13.9 20.9





#37

1,2-Dichloroethane

Concen: 12.097 ppbv

RT: 3.233 min Scan# 91

Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 62 Resp: 33527

Ion Ratio Lower Upper

62 100

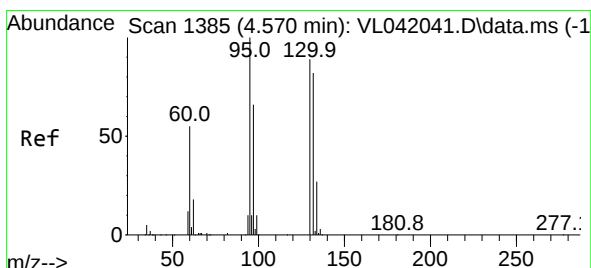
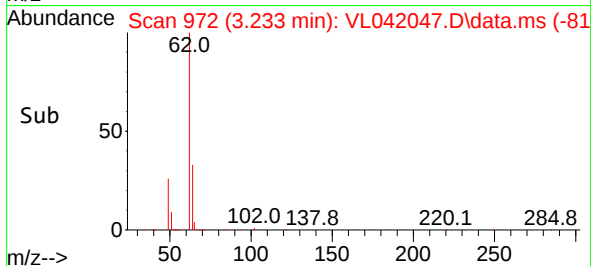
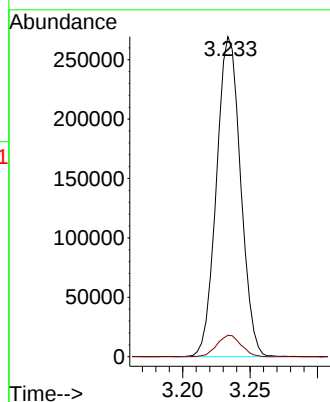
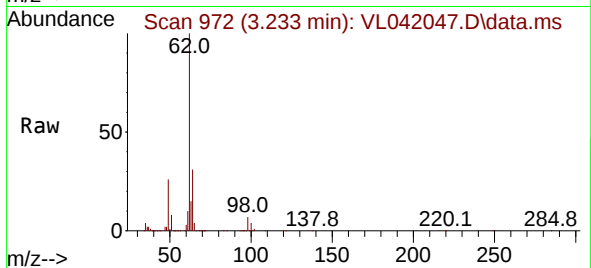
98 6.7 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#38

Trichloroethene

Concen: 11.542 ppbv

RT: 4.573 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Tgt Ion:130 Resp: 228298

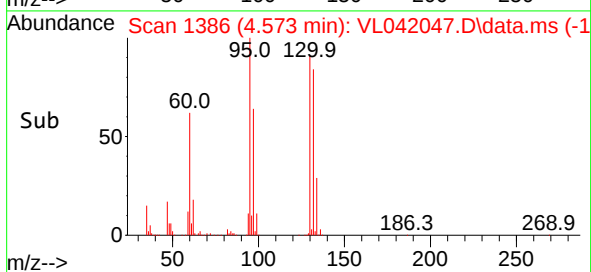
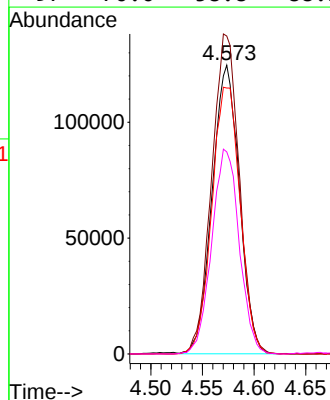
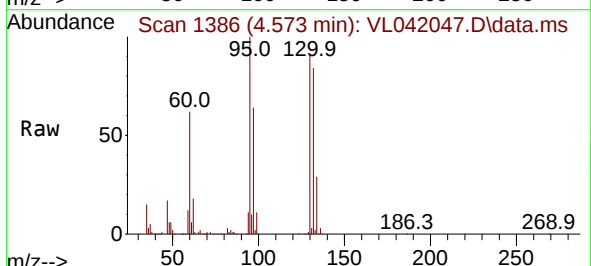
Ion Ratio Lower Upper

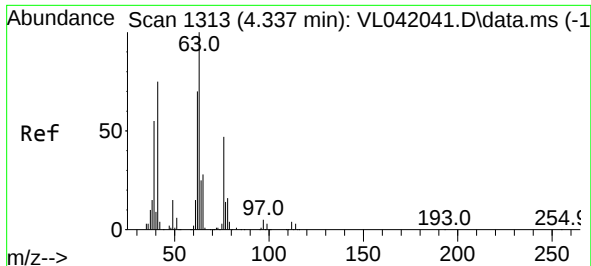
130 100

95 110.1 89.5 134.3

132 92.2 73.8 110.6

97 70.0 58.8 88.2





#39

1,2-Dichloropropane

Concen: 12.797 ppbv

RT: 4.337 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 228418

Ion Ratio Lower Upper

63 100

41 72.2 60.1 90.1

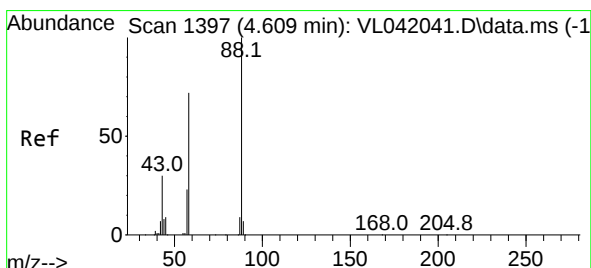
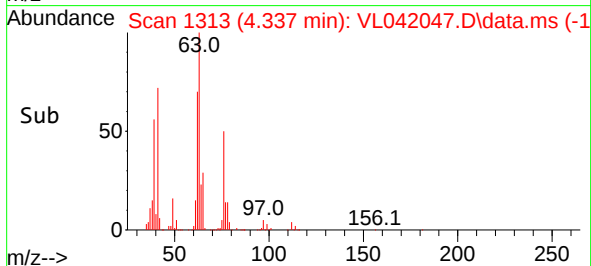
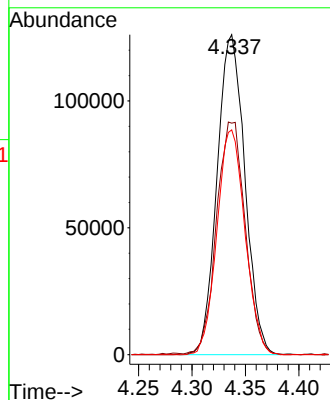
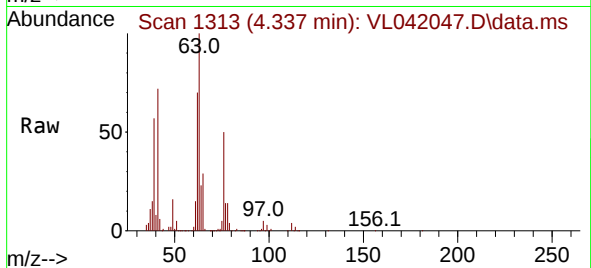
62 70.3 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#40

1,4-Dioxane

Concen: 11.253 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Tgt Ion: 88 Resp: 104519

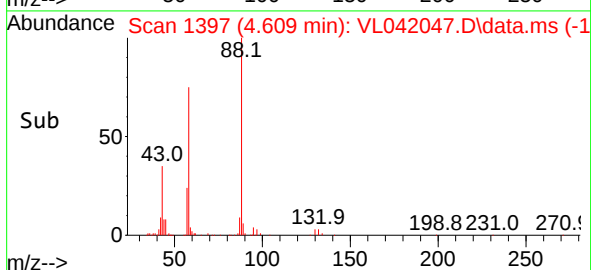
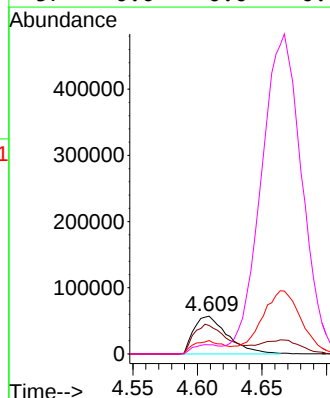
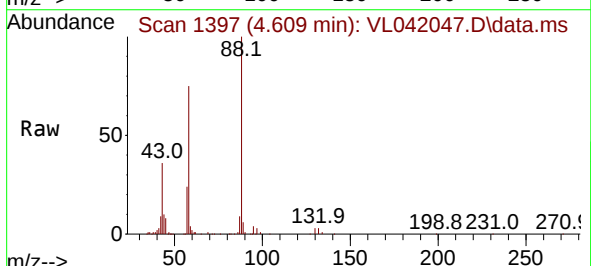
Ion Ratio Lower Upper

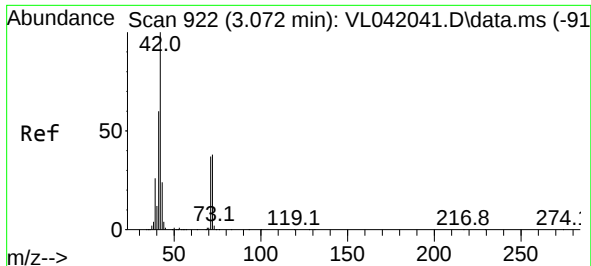
88 100

58 81.6 62.6 94.0

43 30.4 0.0 0.0#

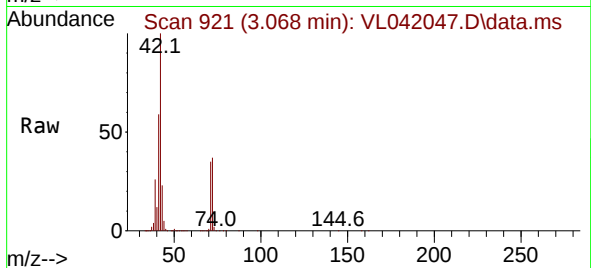
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 13.724 ppbv
RT: 3.068 min Scan# 91
Delta R.T. -0.004 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

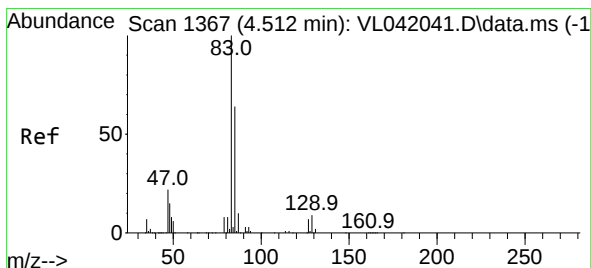
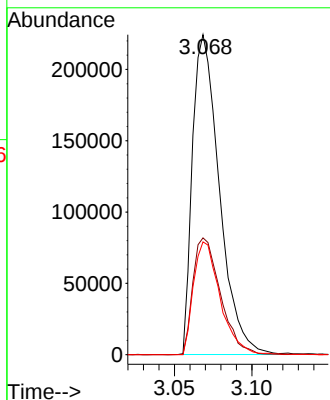
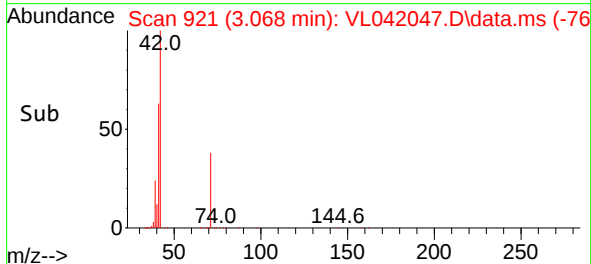
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 42 Resp: 27120
Ion Ratio Lower Upper
42 100
72 37.5 30.2 45.2
71 35.1 28.2 42.4

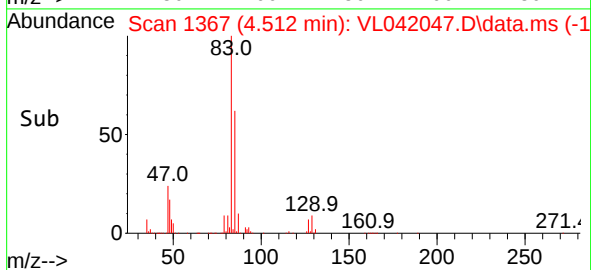
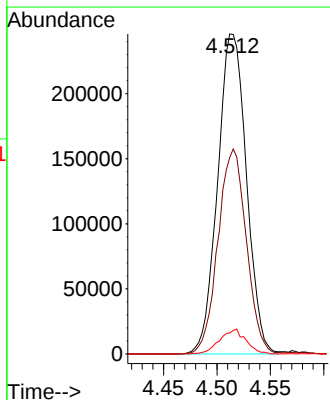
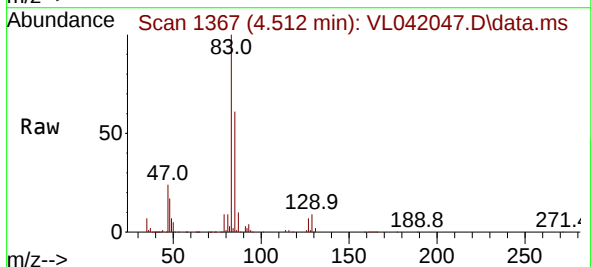
Manual Integrations
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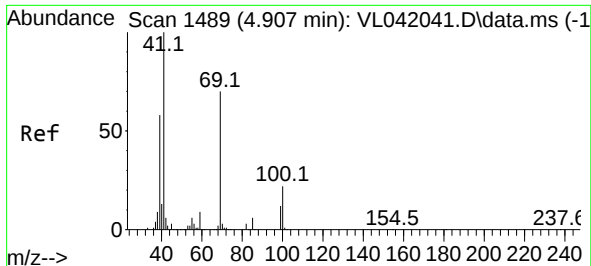
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#42
Bromodichloromethane
Concen: 12.285 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

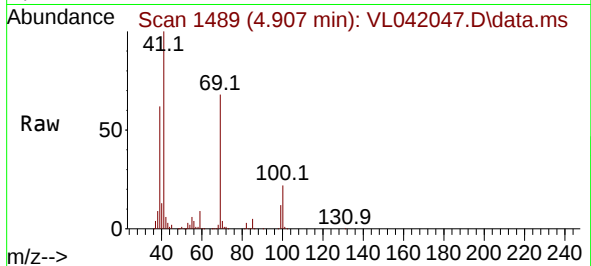
Tgt Ion: 83 Resp: 461272
Ion Ratio Lower Upper
83 100
85 61.4 51.4 77.2
127 6.6 5.8 8.6





#43
Methyl Methacrylate
Concen: 11.105 ppbv
RT: 4.907 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

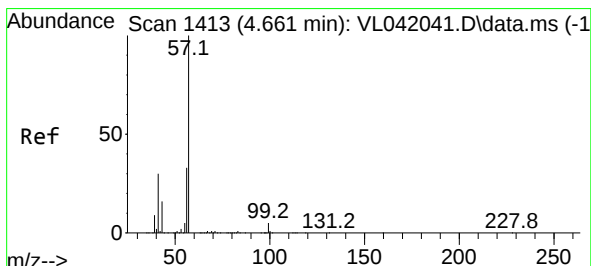
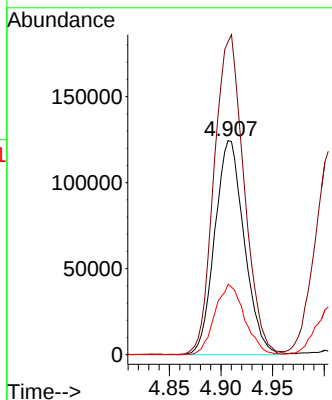
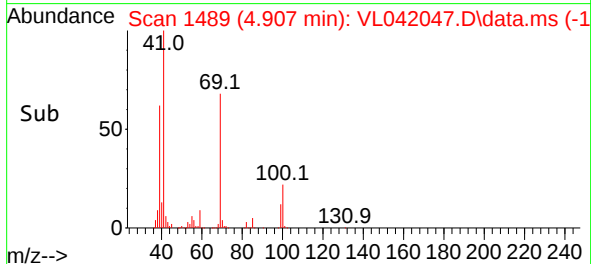
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



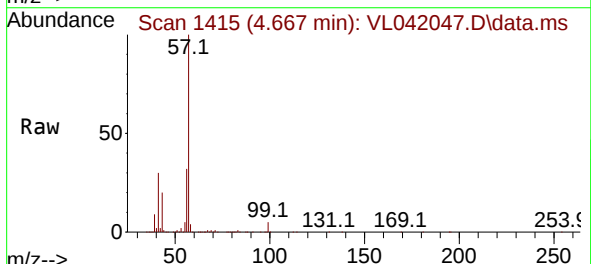
Tgt Ion: 69 Resp: 246468
Ion Ratio Lower Upper
69 100
41 151.9 118.2 177.4
100 33.2 27.0 40.4

Manual Integrations
APPROVED

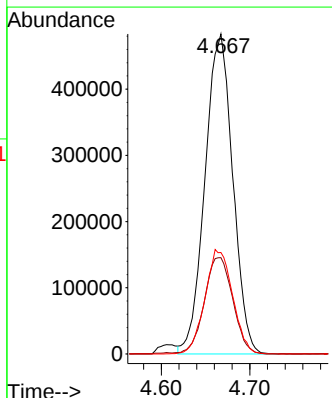
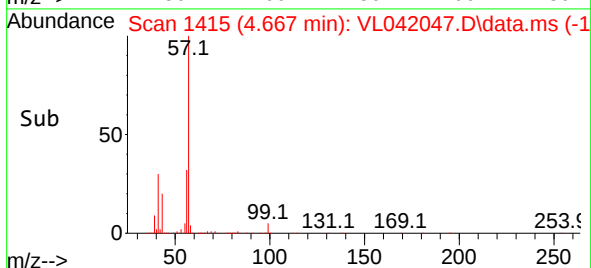
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

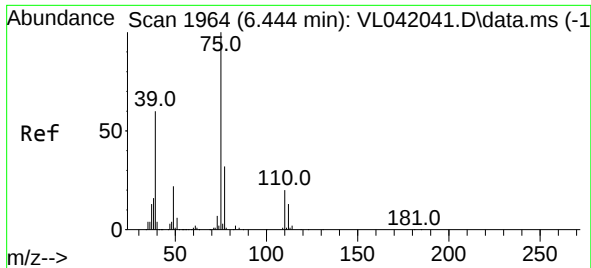


#44
2,2,4-Trimethylpentane
Concen: 12.763 ppbv
RT: 4.667 min Scan# 1415
Delta R.T. 0.006 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07



Tgt Ion: 57 Resp: 1054880
Ion Ratio Lower Upper
57 100
41 31.2 24.4 36.6
56 32.4 26.5 39.7





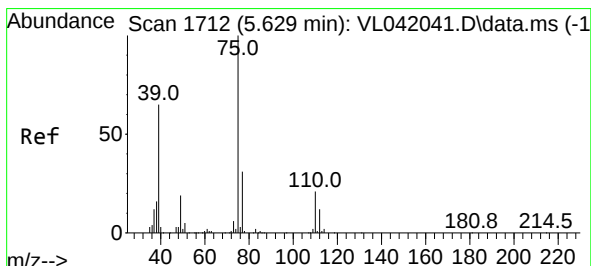
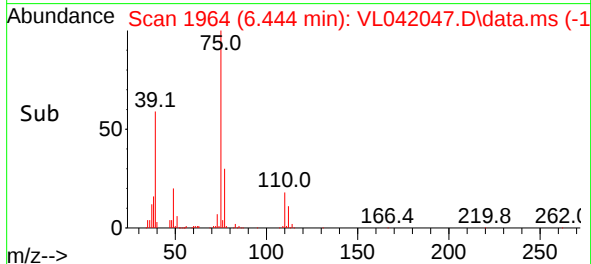
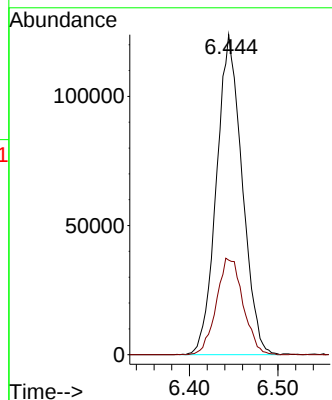
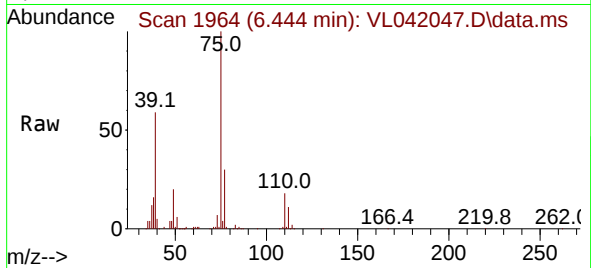
#45
 t-1,3-Dichloropropene
 Concen: 11.914 ppbv
 RT: 6.444 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 75 Resp: 249612
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.9 38.9

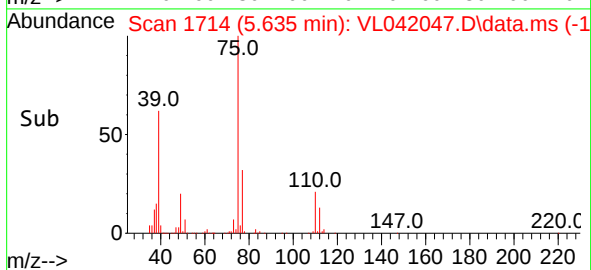
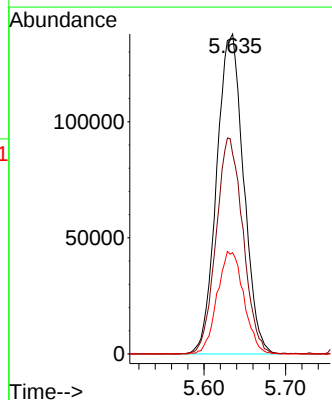
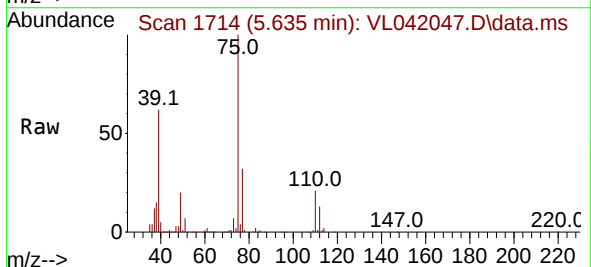
Manual Integrations
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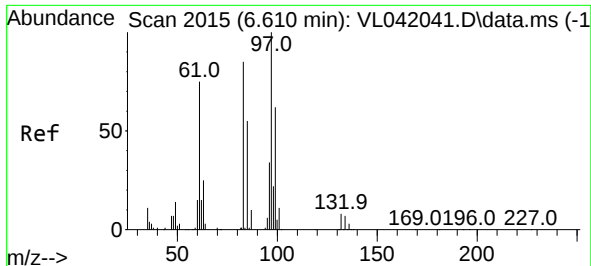
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#46
 cis-1,3-Dichloropropene
 Concen: 11.935 ppbv
 RT: 5.635 min Scan# 1714
 Delta R.T. 0.006 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

Tgt Ion: 75 Resp: 317266
 Ion Ratio Lower Upper
 75 100
 39 62.4 51.9 77.9
 77 31.6 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 12.032 ppbv

RT: 6.609 min Scan# 2015

Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 97 Resp: 22602

Ion Ratio Lower Upper

97 100

83 90.5 68.1 102.1

85 59.4 44.0 66.0

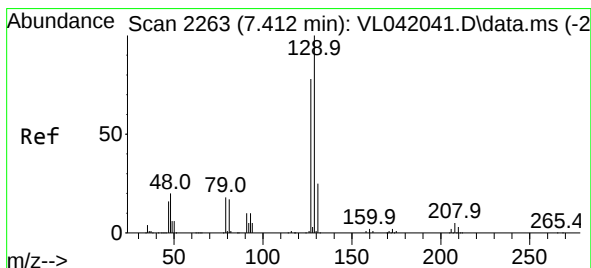
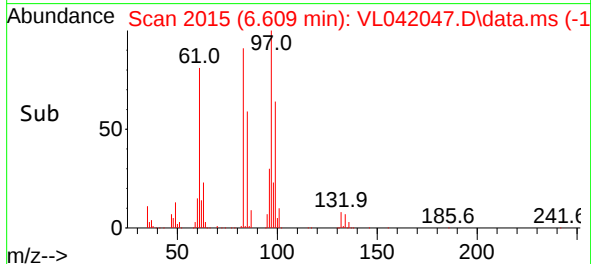
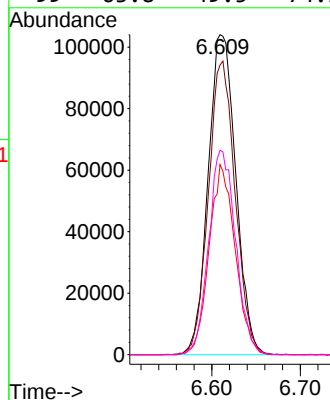
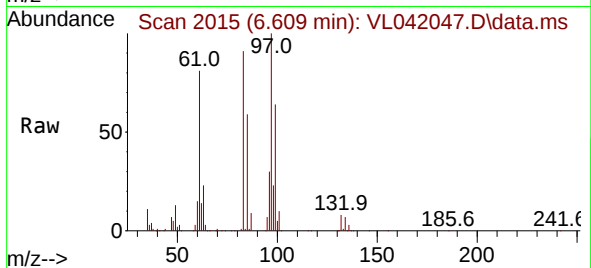
99 63.8 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#48

Dibromochloromethane

Concen: 11.750 ppbv

RT: 7.412 min Scan# 2263

Delta R.T. -0.000 min

Lab File: VL042047.D

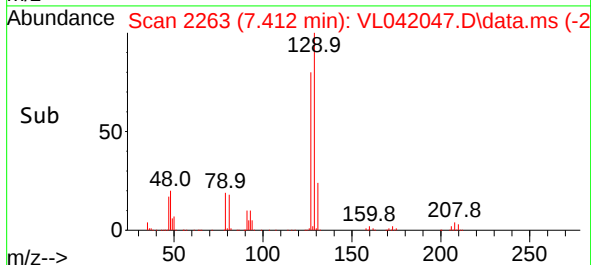
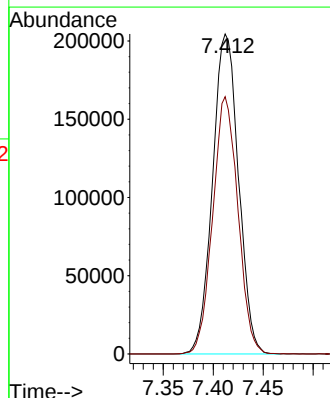
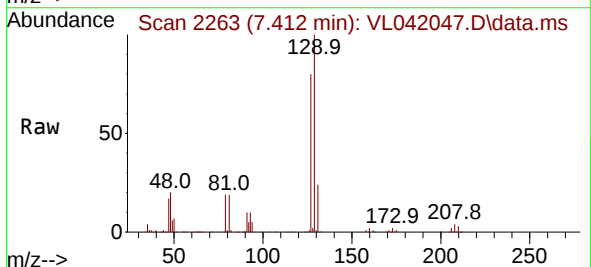
Acq: 25 Feb 2025 12:07

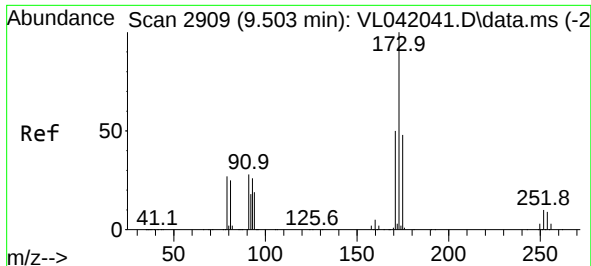
Tgt Ion:129 Resp: 369666

Ion Ratio Lower Upper

129 100

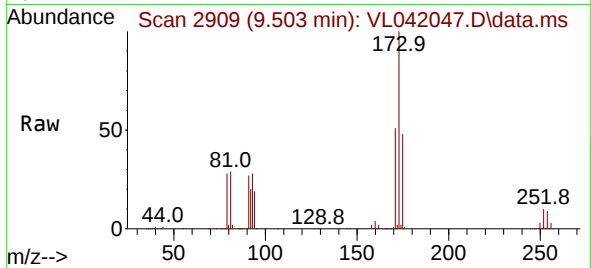
127 78.0 38.6 115.8





#49
Bromoform
Concen: 12.297 ppbv
RT: 9.503 min Scan# 2909
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

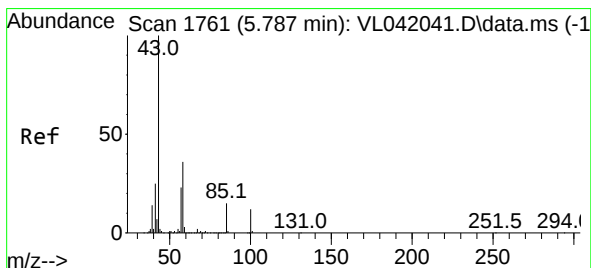
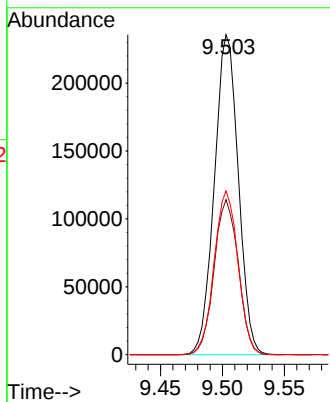
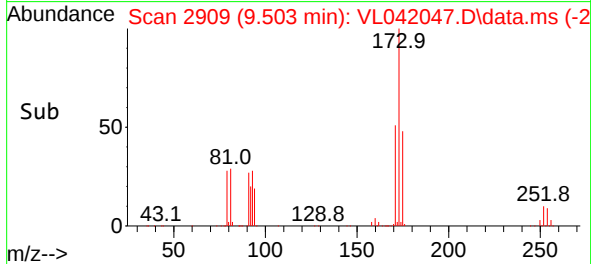
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



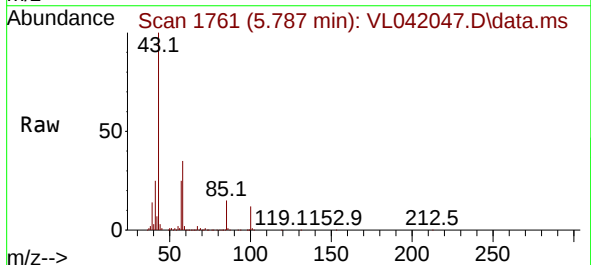
Tgt Ion:173 Resp: 31732
Ion Ratio Lower Upper
173 100
175 48.9 38.3 57.5
171 51.2 40.2 60.2

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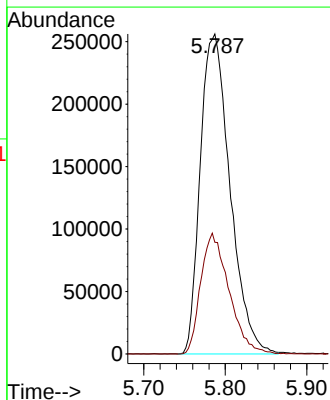
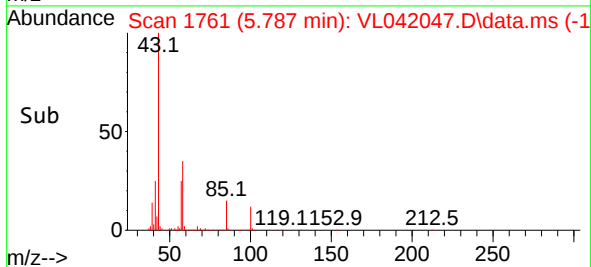
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

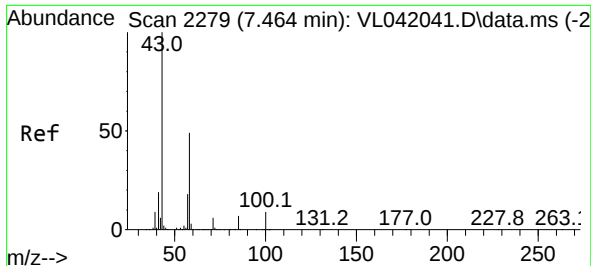


#50
4-Methyl-2-Pentanone
Concen: 12.237 ppbv
RT: 5.787 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07



Tgt Ion: 43 Resp: 650307
Ion Ratio Lower Upper
43 100
58 35.9 29.3 43.9





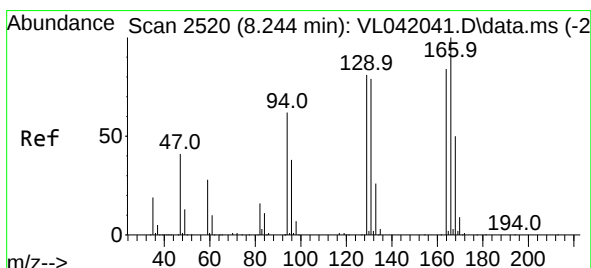
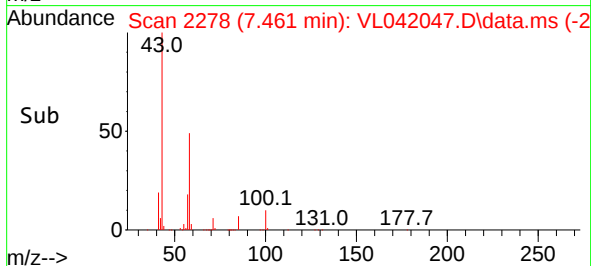
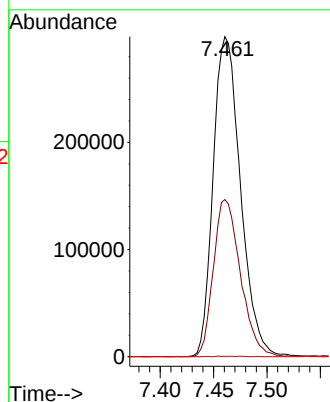
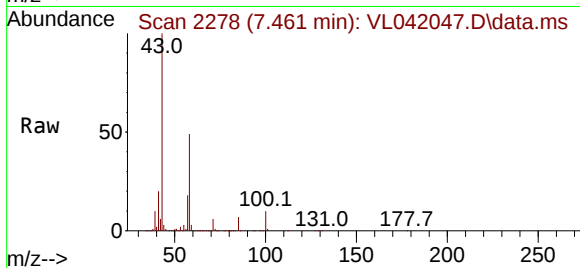
#51
2-Hexanone
Concen: 12.198 ppbv
RT: 7.461 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 53016
Ion Ratio Lower Upper
43 100
58 48.8 39.0 58.6
98 0.2 0.1 0.1

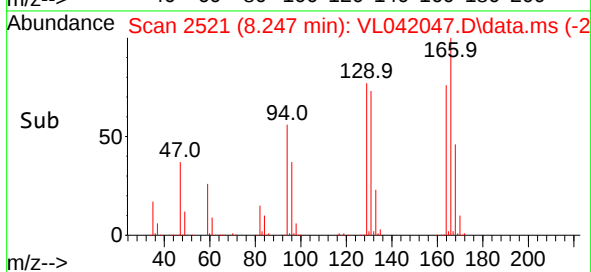
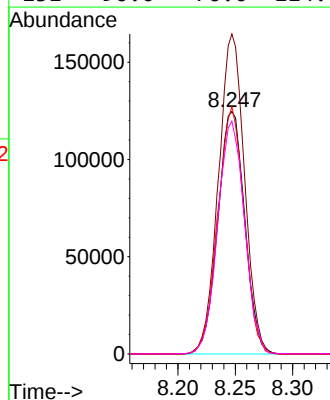
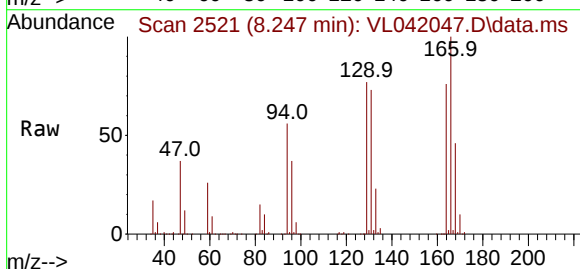
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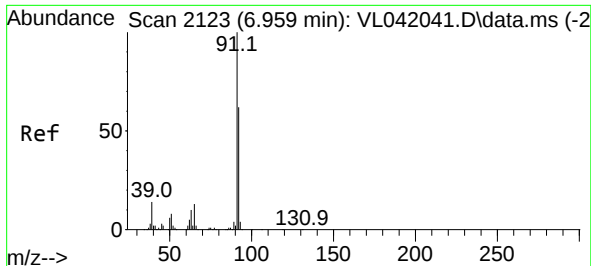
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#52
Tetrachloroethene
Concen: 11.968 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

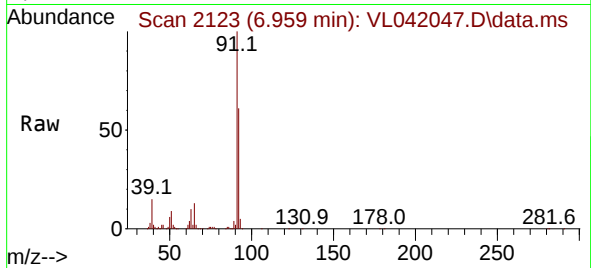
Tgt Ion:164 Resp: 203233
Ion Ratio Lower Upper
164 100
166 132.0 95.7 143.5
129 102.0 77.1 115.7
131 96.0 76.0 114.0





#53
Toluene
Concen: 11.615 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

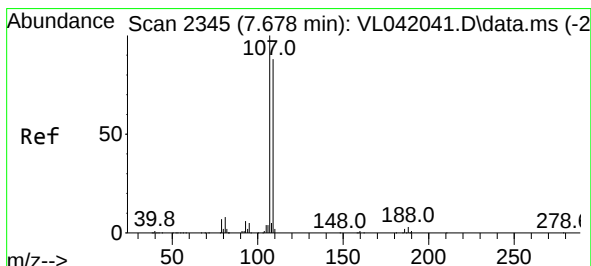
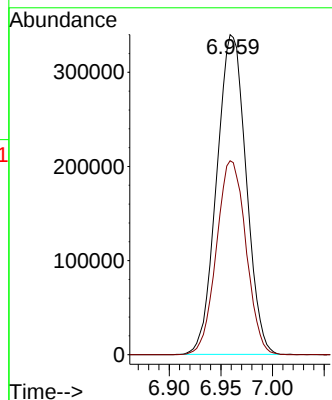
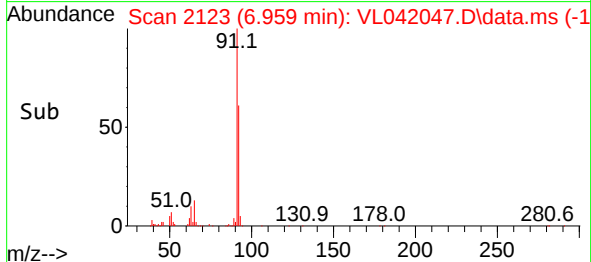
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



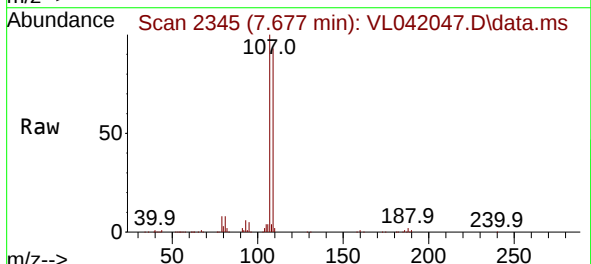
Tgt Ion: 91 Resp: 67382
Ion Ratio Lower Upper
91 100
92 60.9 49.0 73.6

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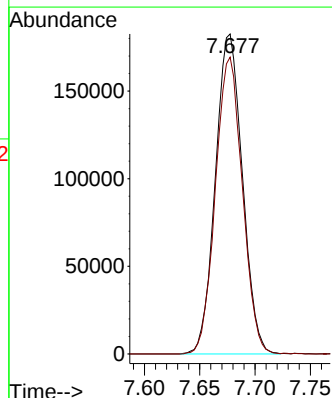
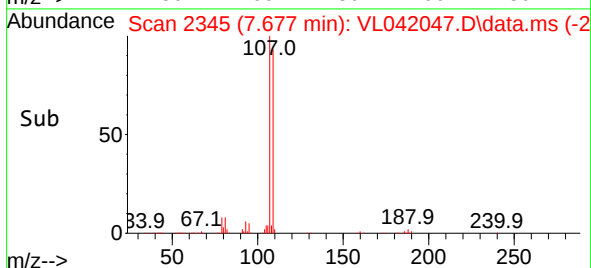
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

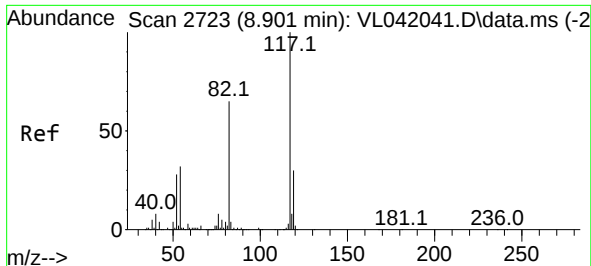


#54
1,2-Dibromoethane
Concen: 11.985 ppbv
RT: 7.677 min Scan# 2345
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07



Tgt Ion:107 Resp: 309982
Ion Ratio Lower Upper
107 100
109 92.7 70.2 105.4





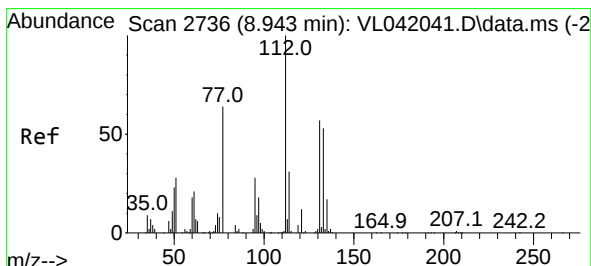
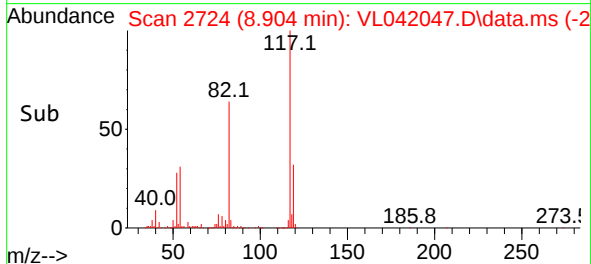
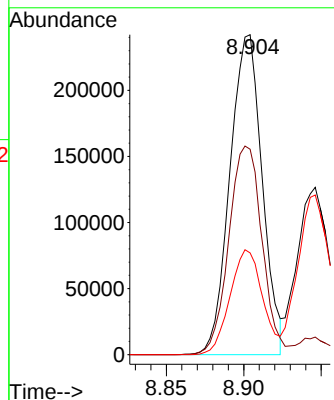
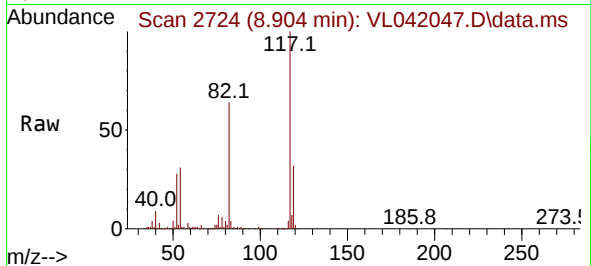
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 35163
Ion Ratio Lower Upper
117 100
82 72.2 55.0 82.6
119 33.3 25.9 38.9

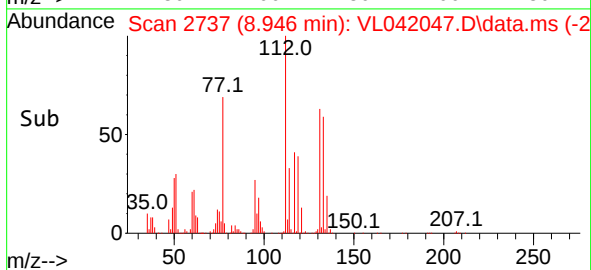
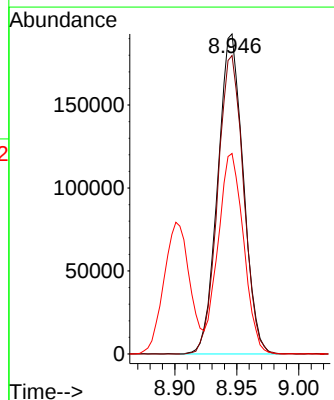
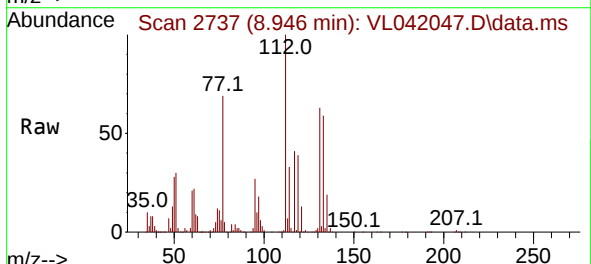
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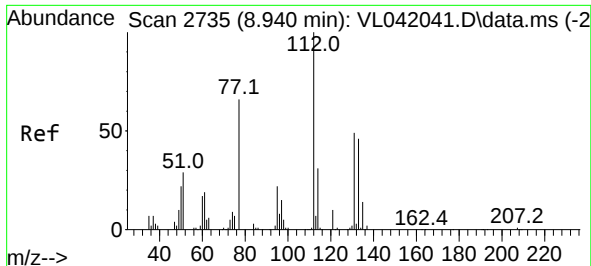
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 10.979 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:131 Resp: 276326
Ion Ratio Lower Upper
131 100
133 94.6 75.8 113.8
119 63.6 52.1 78.1





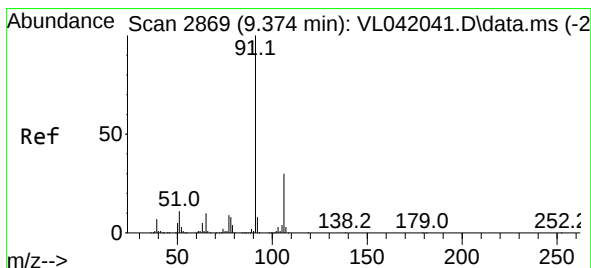
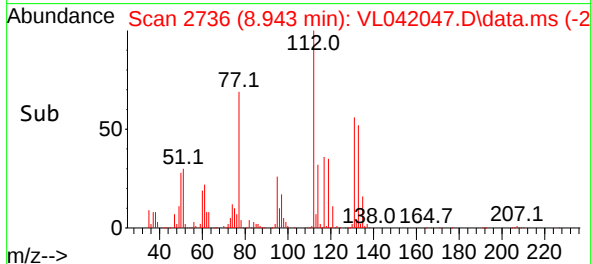
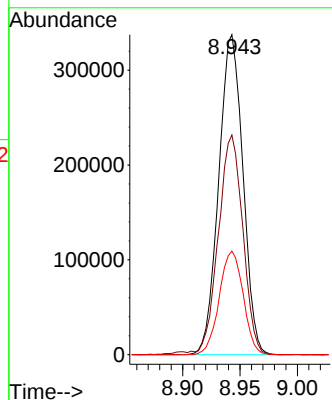
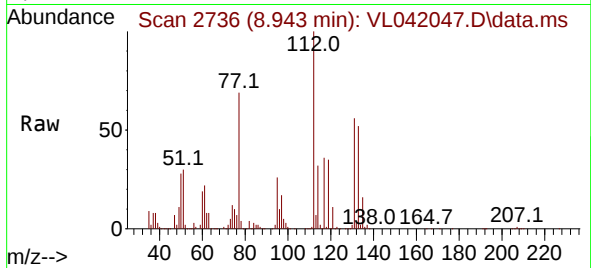
#57
Chlorobenzene
Concen: 11.957 ppbv
RT: 8.943 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:112 Resp: 494600
Ion Ratio Lower Upper
112 100
77 68.6 53.4 80.2
114 32.4 28.3 34.5

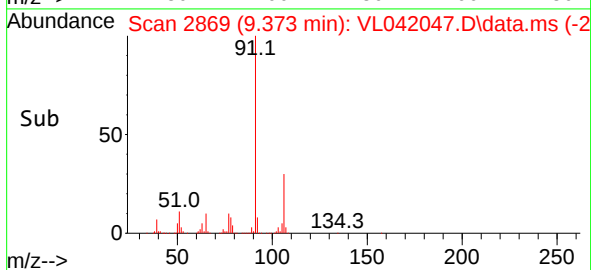
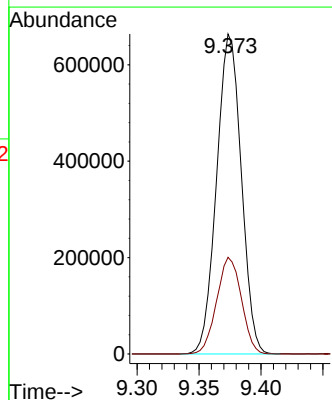
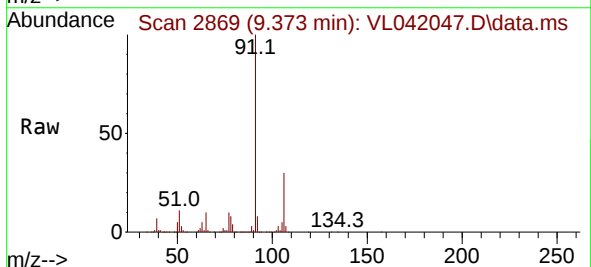
Manual Integrations
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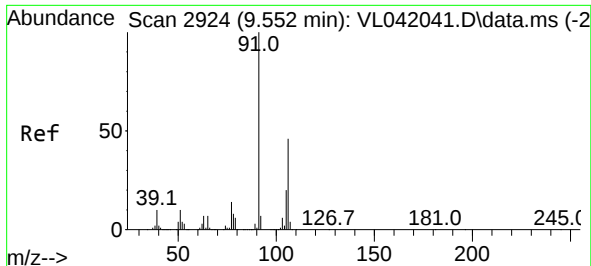
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#58
Ethyl Benzene
Concen: 11.984 ppbv
RT: 9.373 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 922265
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2





#59

m/p-Xylene

Concen: 24.020 ppbv m

RT: 9.571 min Scan# 2924

Delta R.T. 0.019 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 91 Resp: 145603

Ion Ratio Lower Upper

91 100

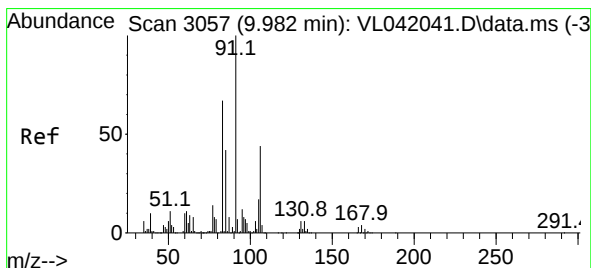
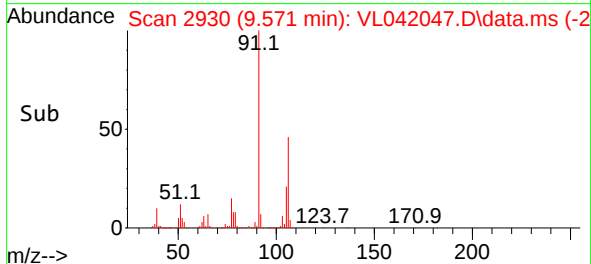
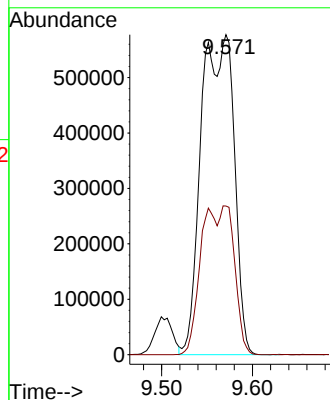
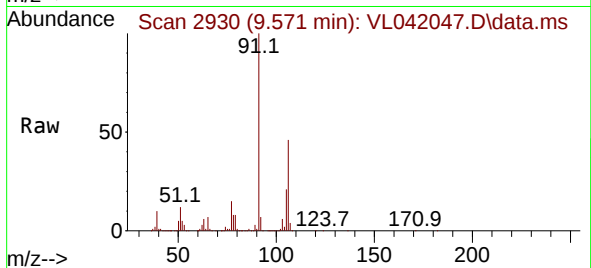
106 0.0 0.0 0.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#60

o-Xylene

Concen: 11.626 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. -0.000 min

Lab File: VL042047.D

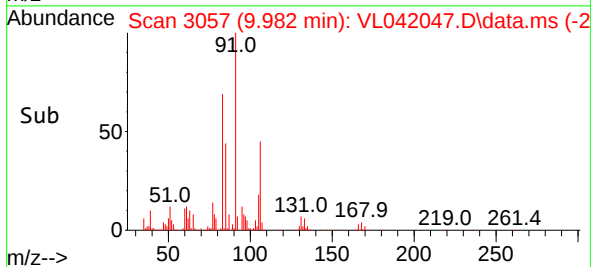
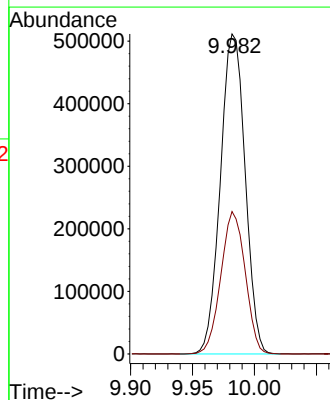
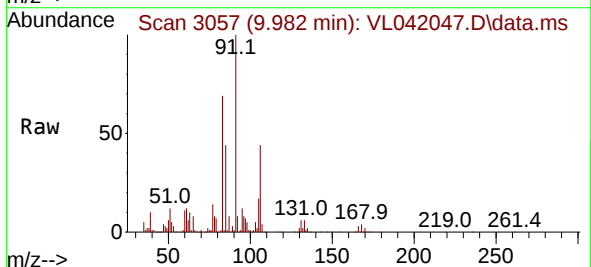
Acq: 25 Feb 2025 12:07

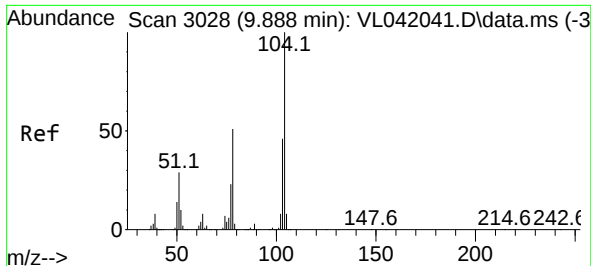
Tgt Ion: 91 Resp: 712735

Ion Ratio Lower Upper

91 100

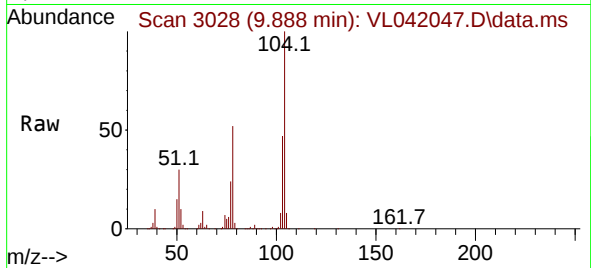
106 43.8 22.3 66.8





#61
Styrene
Concen: 12.446 ppbv
RT: 9.888 min Scan# 3028
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

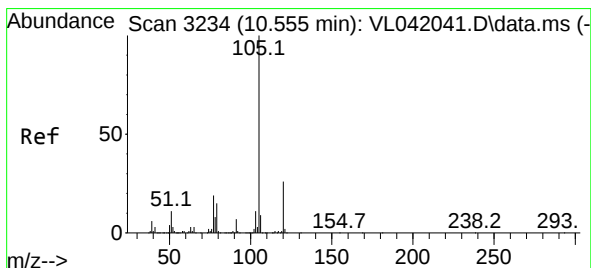
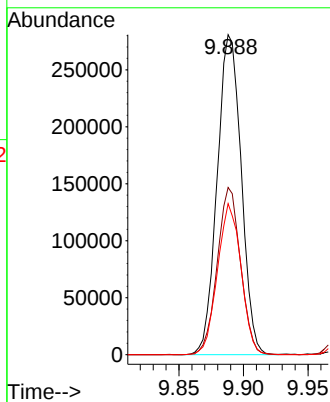
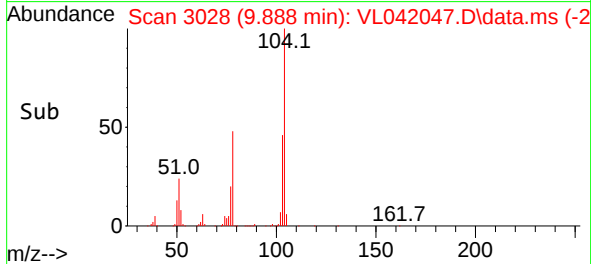
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



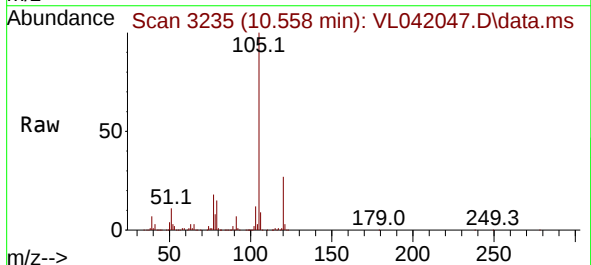
Tgt Ion:104 Resp: 36385
Ion Ratio Lower Upper
104 100
78 50.5 41.0 61.4
103 46.2 37.0 55.6

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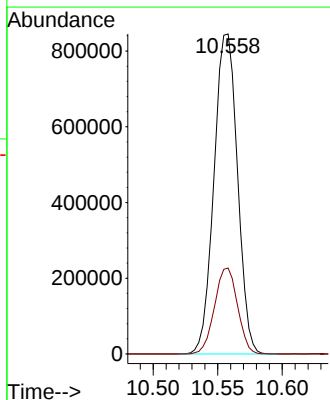
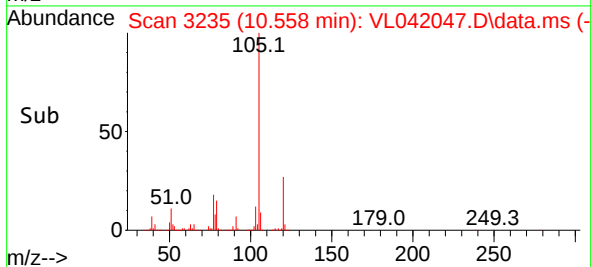
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

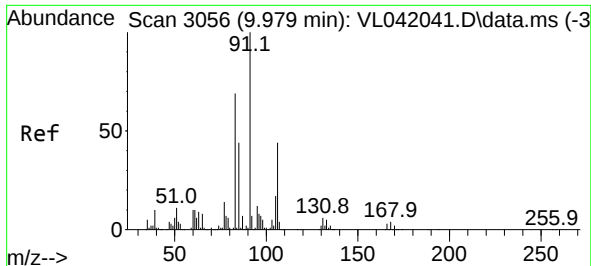


#62
Isopropylbenzene
Concen: 11.612 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07



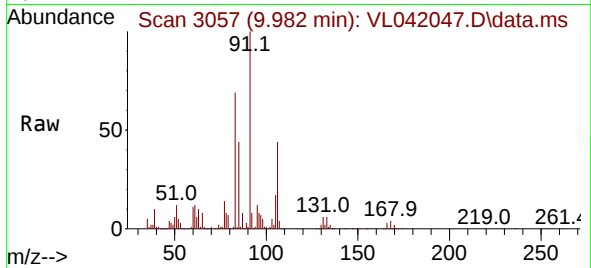
Tgt Ion:105 Resp: 1068777
Ion Ratio Lower Upper
105 100
120 26.2 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 11.626 ppbv
RT: 9.982 min Scan# 3056
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

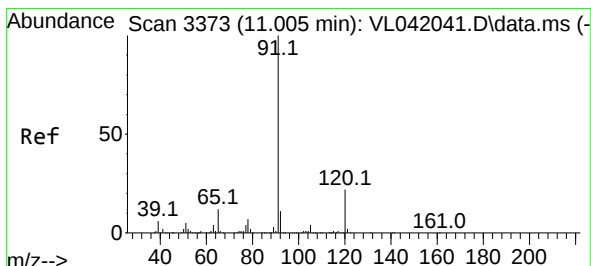
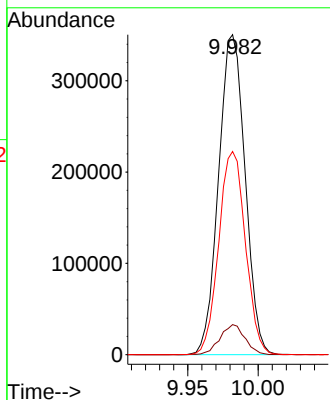
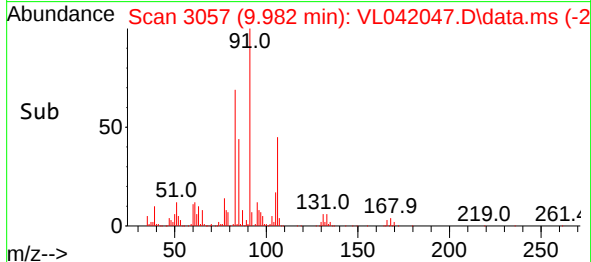
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 83 Resp: 459839
Ion Ratio Lower Upper
83 100
131 8.9 4.5 13.7
85 63.9 32.1 96.3

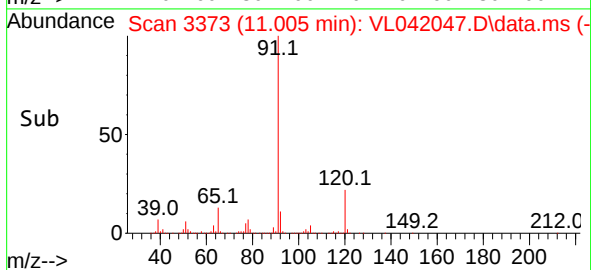
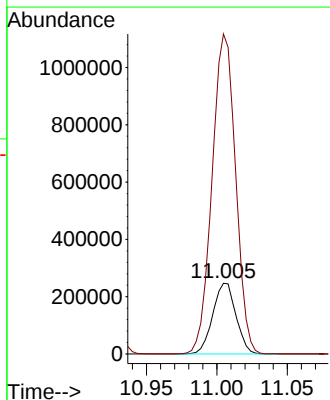
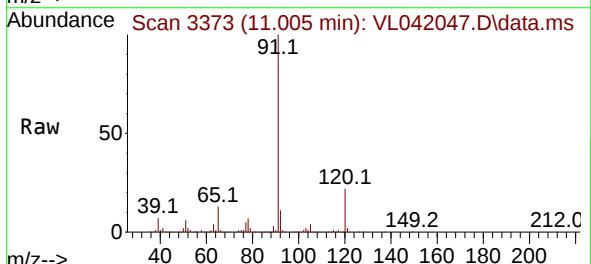
Manual Integrations
APPROVED

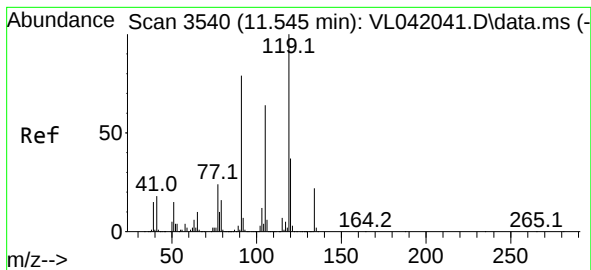
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#64
n-propylbenzene
Concen: 12.486 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

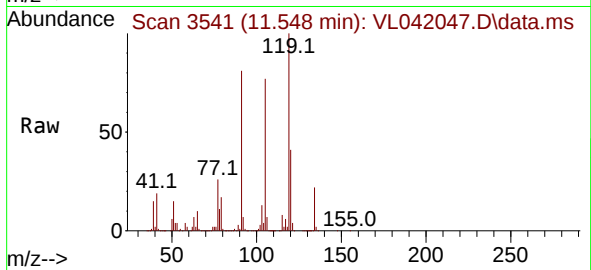
Tgt Ion:120 Resp: 282364
Ion Ratio Lower Upper
120 100
91 460.6 370.6 556.0





#65
tert-Butylbenzene
Concen: 11.526 ppbv
RT: 11.548 min Scan# 3541
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

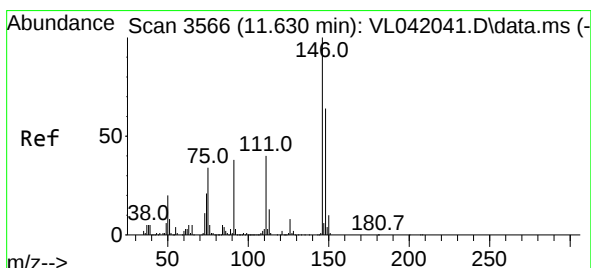
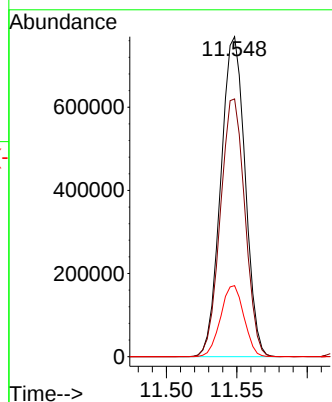
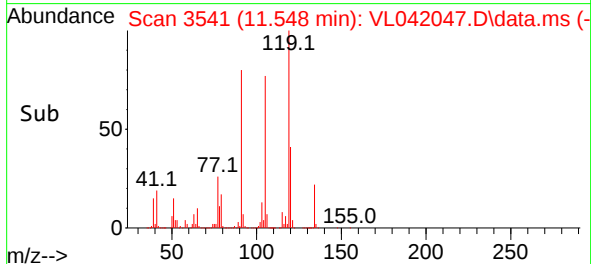
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



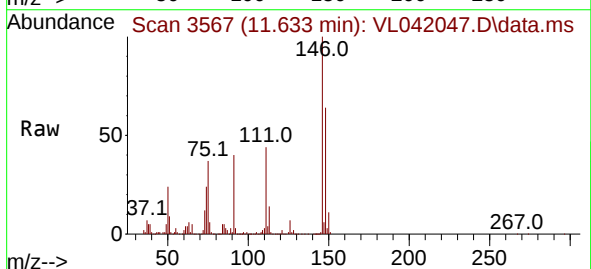
Tgt Ion: 119 Resp: 924810
Ion Ratio Lower Upper
119 100
91 81.2 64.2 96.2
134 21.4 17.4 26.2

Manual Integrations
APPROVED

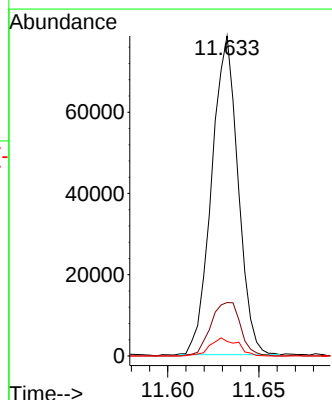
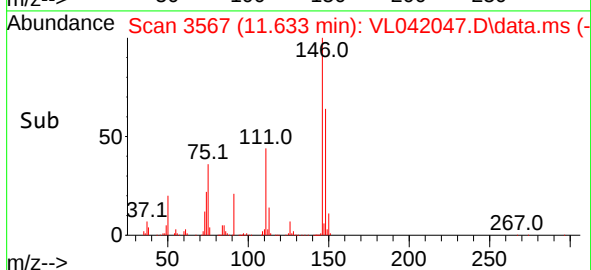
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

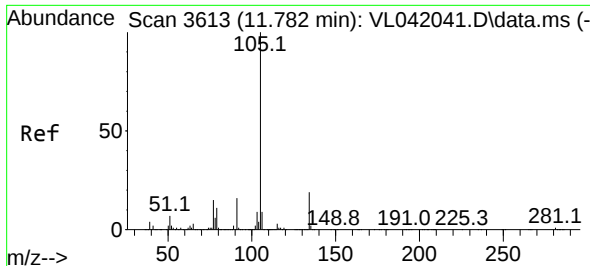


#66
Benzyl Chloride
Concen: 9.819 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07



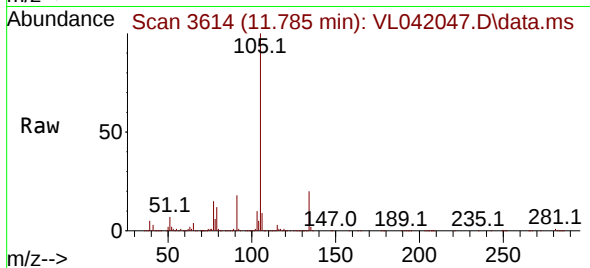
Tgt Ion: 91 Resp: 78975
Ion Ratio Lower Upper
91 100
126 19.0 14.5 21.7
128 6.0 5.4 8.2





#67
 sec-Butylbenzene
 Concen: 11.674 ppbv
 RT: 11.785 min Scan# 3613
 Delta R.T. 0.003 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

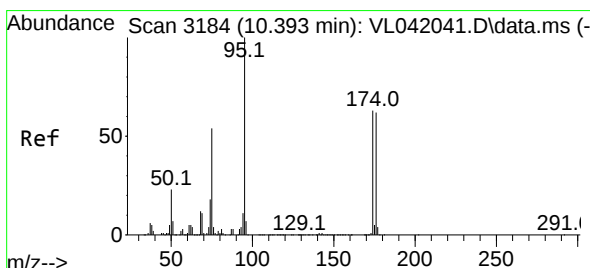
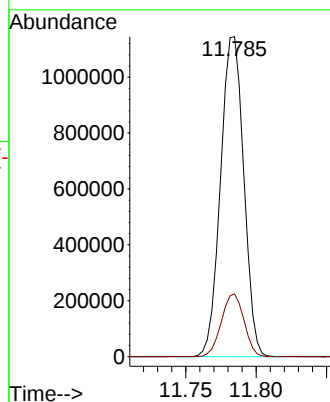
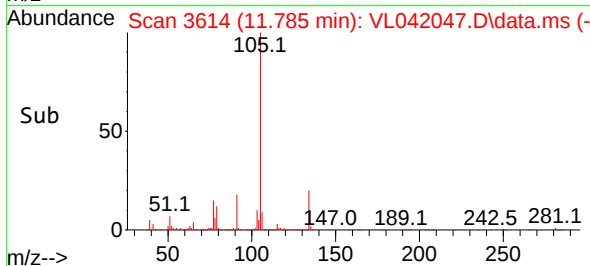
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 105 Resp: 1315730
 Ion Ratio Lower Upper
 105 100
 134 19.2 14.9 22.3

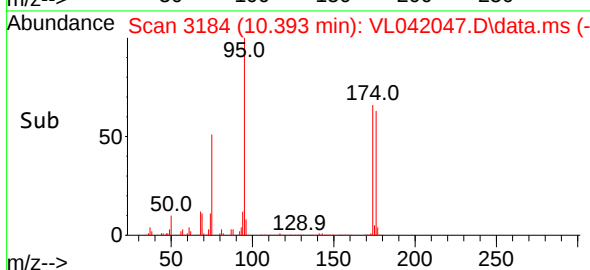
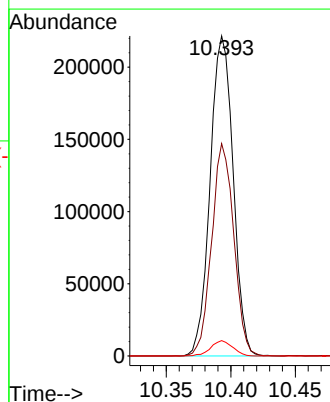
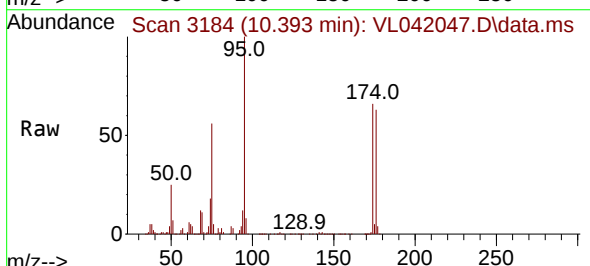
Manual Integrations
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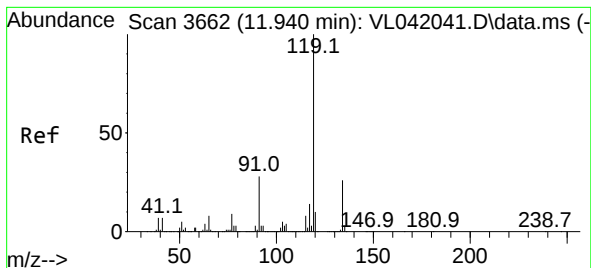
Reviewed By :Semsettin Yesilyurt 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.441 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. -0.000 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

Tgt Ion: 95 Resp: 273846
 Ion Ratio Lower Upper
 95 100
 174 64.0 51.8 77.6
 175 4.6 3.9 5.9





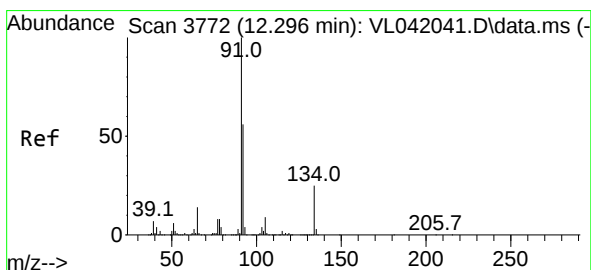
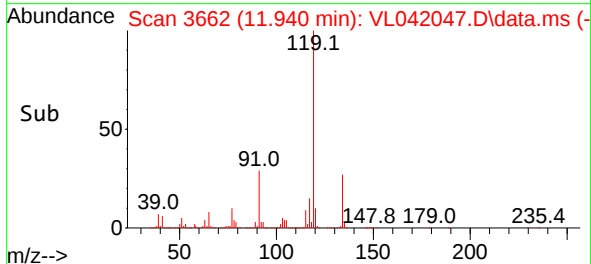
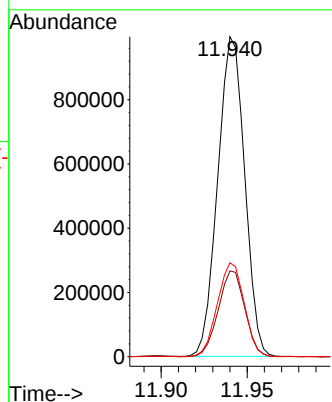
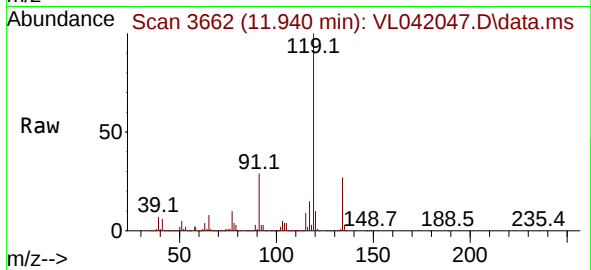
#69
p-Isopropyltoluene
Concen: 11.752 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:119 Resp: 108425
Ion Ratio Lower Upper
119 100
134 26.6 20.9 31.3
91 29.4 23.1 34.7

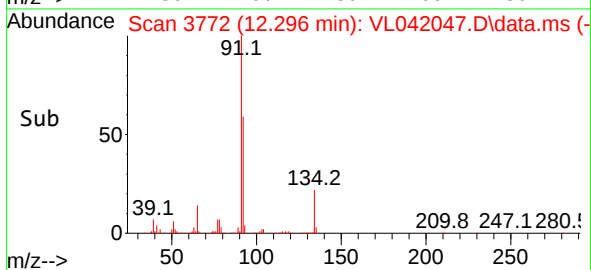
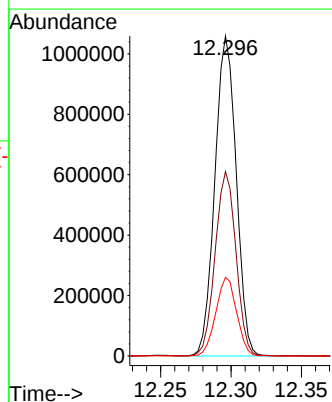
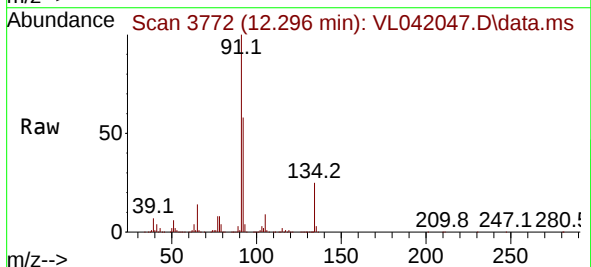
Manual Integrations
APPROVED

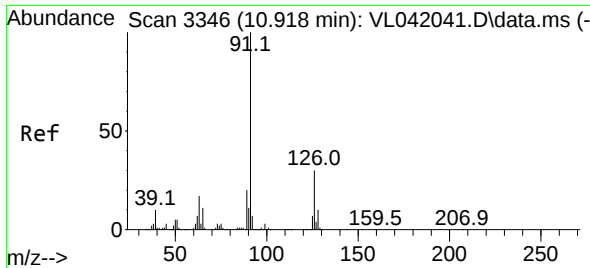
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#70
n-Butylbenzene
Concen: 12.306 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 91 Resp: 1118373
Ion Ratio Lower Upper
91 100
92 56.6 44.7 67.1
134 24.0 18.9 28.3





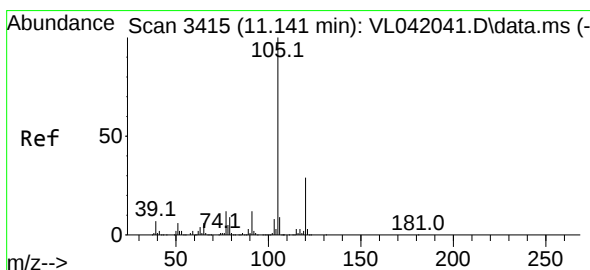
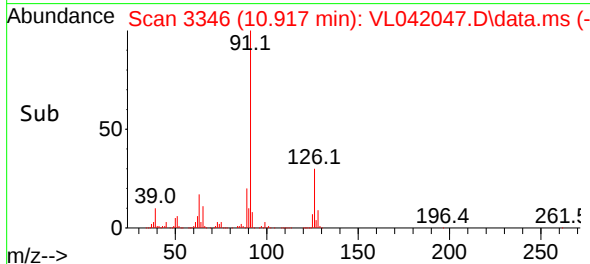
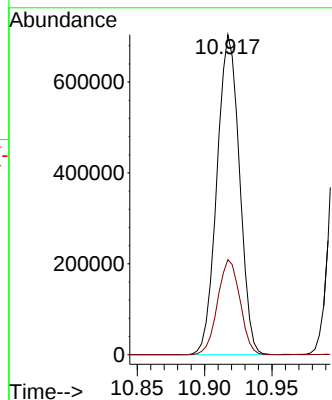
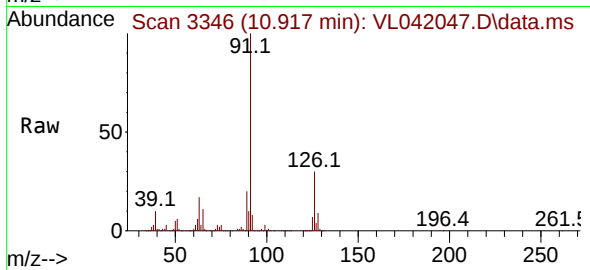
#71
2-Chlorotoluene
Concen: 11.804 ppbv
RT: 10.917 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 818204
Ion Ratio Lower Upper
91 100
126 29.5 11.9 47.5

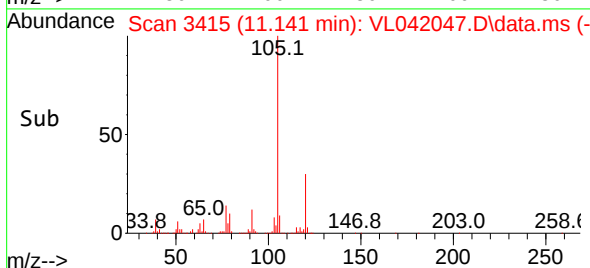
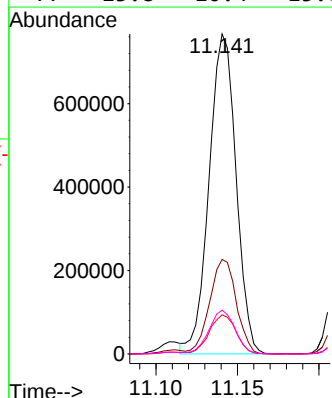
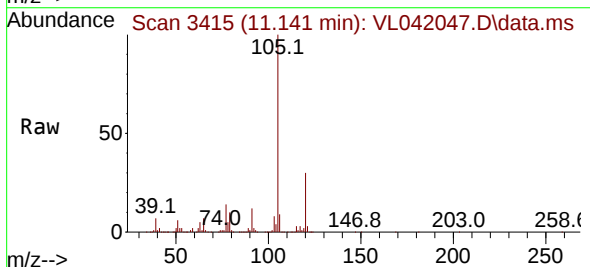
Manual Integrations
APPROVED

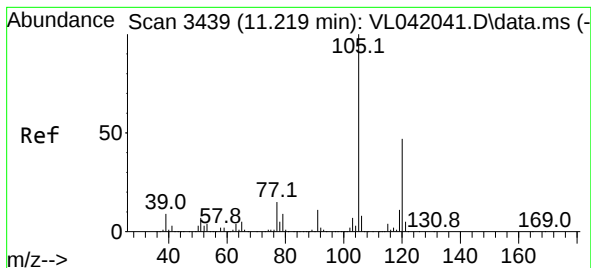
Reviewed By :Semsettin Yesilyurt 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#72
4-Ethyltoluene
Concen: 12.264 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

Tgt Ion:105 Resp: 880883
Ion Ratio Lower Upper
105 100
120 30.4 24.1 36.1
91 12.7 10.2 15.4
77 13.8 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 11.921 ppbv

RT: 11.218 min Scan# 3439

Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 738619

Ion Ratio Lower Upper

105 100

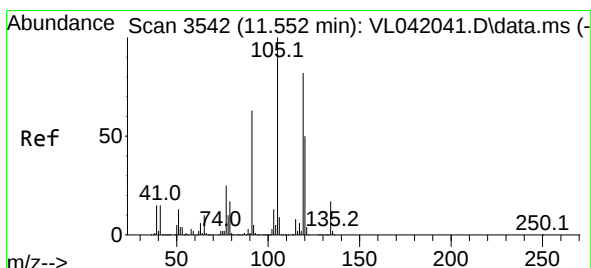
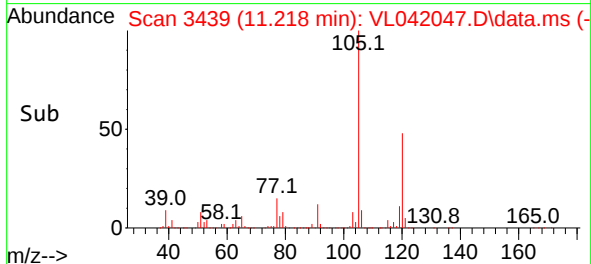
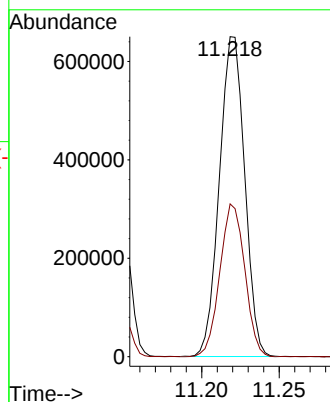
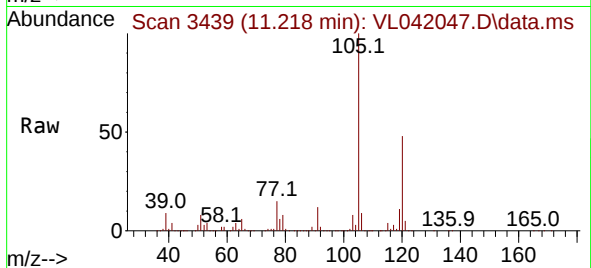
120 47.8 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.801 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Tgt Ion:105 Resp: 784701

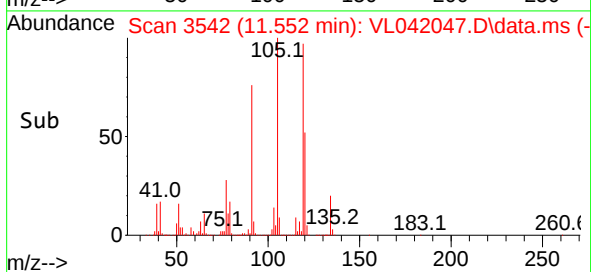
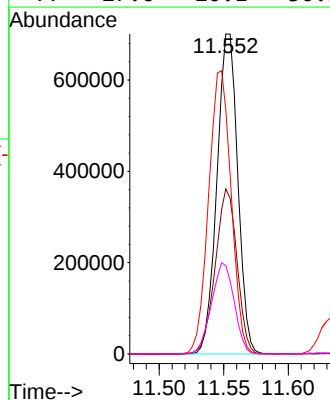
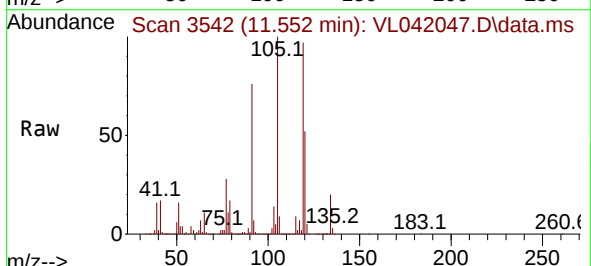
Ion Ratio Lower Upper

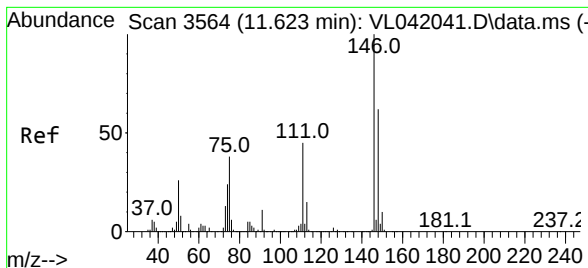
105 100

120 51.6 40.2 60.2

91 76.3 51.4 77.2

77 27.6 20.1 30.1





#75

1,3-Dichlorobenzene

Concen: 13.003 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:146 Resp: 465430

Ion Ratio Lower Upper

146 100

111 46.0 22.4 67.2

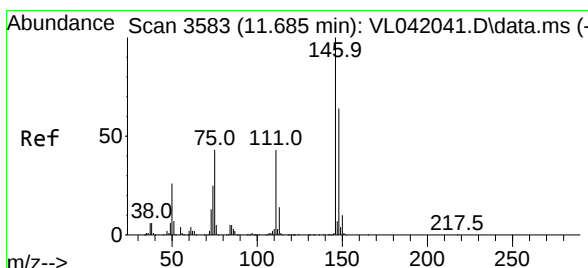
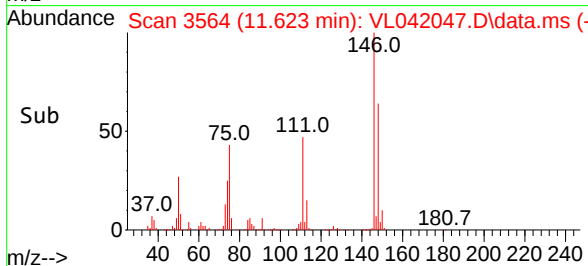
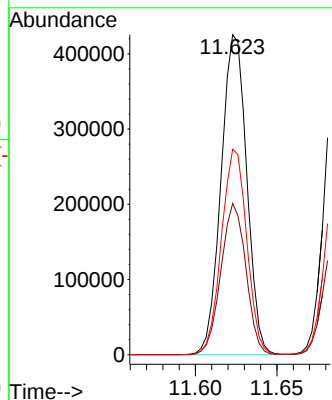
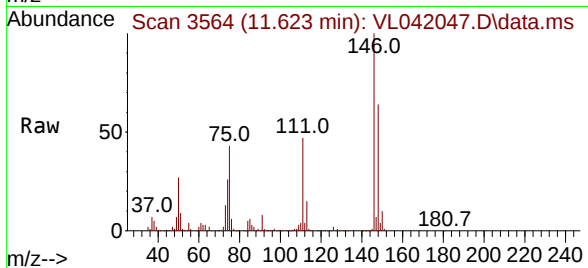
148 63.5 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#76

1,4-Dichlorobenzene

Concen: 13.386 ppbv

RT: 11.688 min Scan# 3584

Delta R.T. 0.003 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

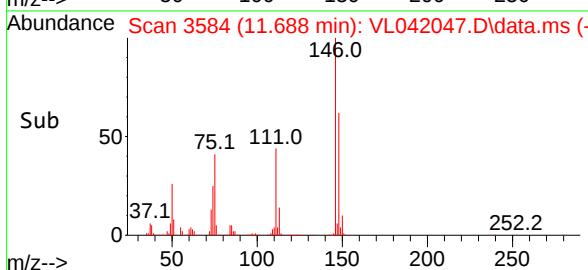
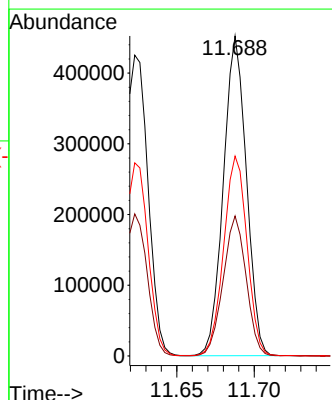
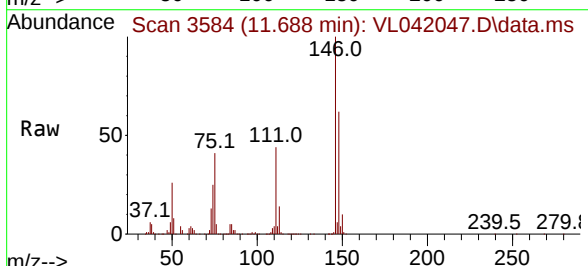
Tgt Ion:146 Resp: 467249

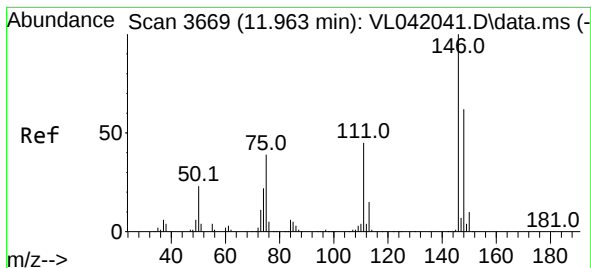
Ion Ratio Lower Upper

146 100

111 44.0 21.5 64.5

148 63.7 31.6 95.0





#77

1,2-Dichlorobenzene

Concen: 13.129 ppbv

RT: 11.963 min Scan# 3669

Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

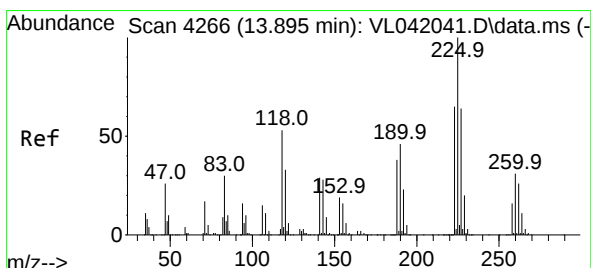
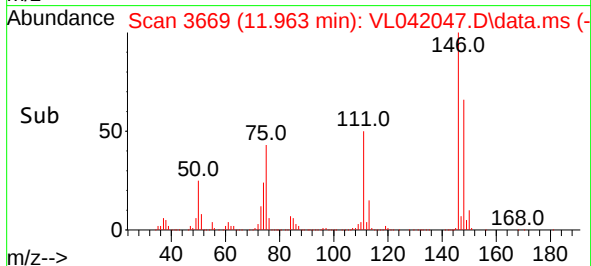
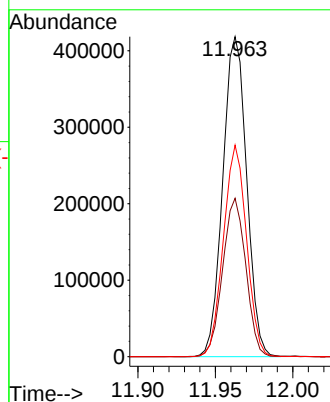
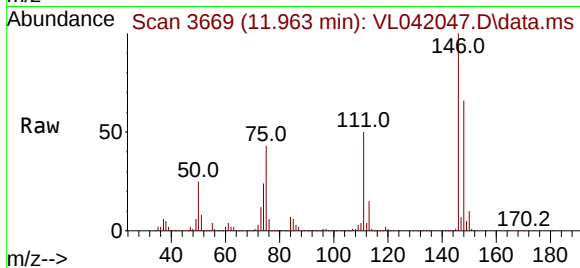
VSTDIC015

Tgt Ion:146 Resp: 449222
Ion Ratio Lower Upper
146 100
111 48.1 23.2 69.6
148 64.0 31.4 94.2

Manual Integrations

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



#78

Hexachloro-1,3-Butadiene

Concen: 12.403 ppbv

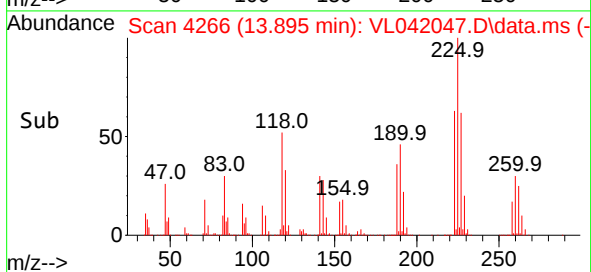
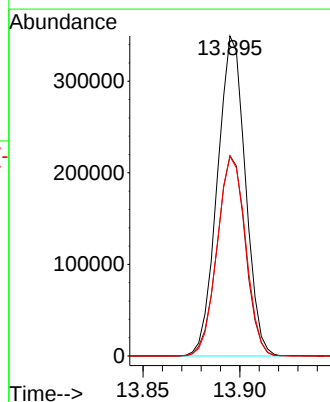
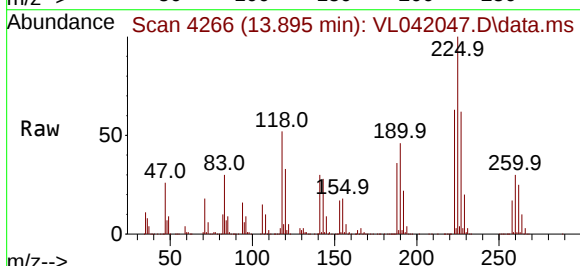
RT: 13.895 min Scan# 4266

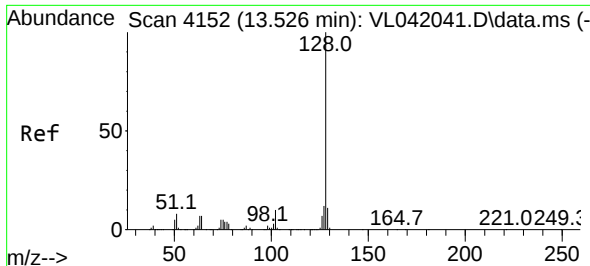
Delta R.T. -0.000 min

Lab File: VL042047.D

Acq: 25 Feb 2025 12:07

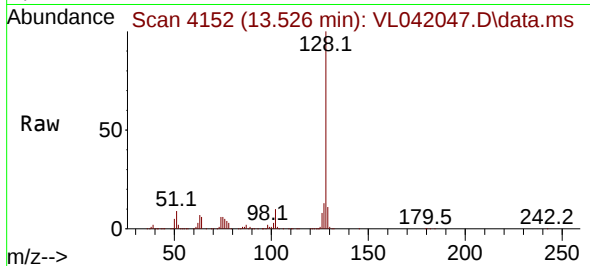
Tgt Ion:225 Resp: 351085
Ion Ratio Lower Upper
225 100
223 63.0 50.2 75.2
227 63.4 50.8 76.2





#79
Naphthalene
Concen: 11.696 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07

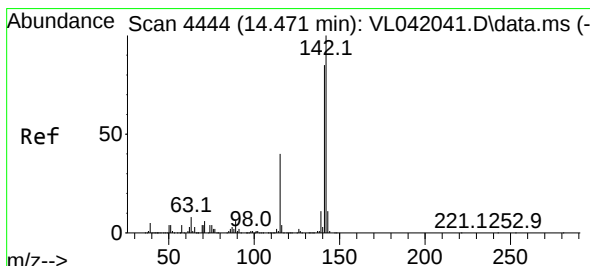
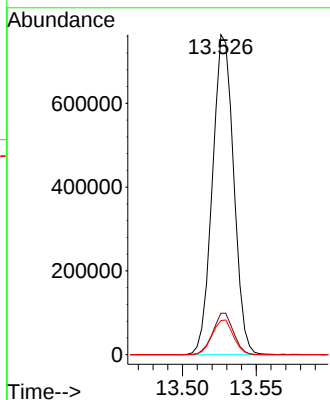
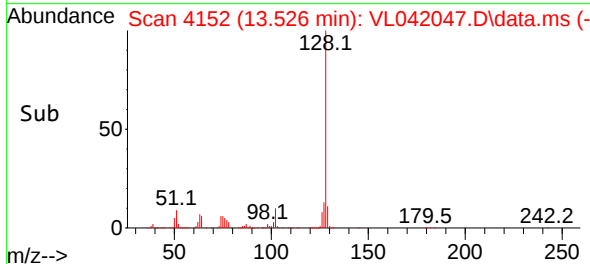
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



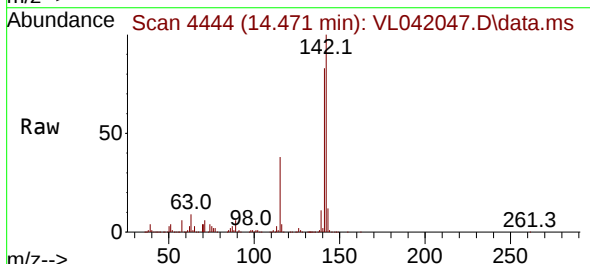
Tgt Ion:128 Resp: 764990
Ion Ratio Lower Upper
128 100
127 12.9 9.8 14.6
129 10.7 8.6 12.8

Manual Integrations
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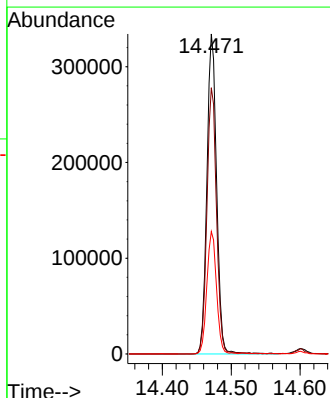
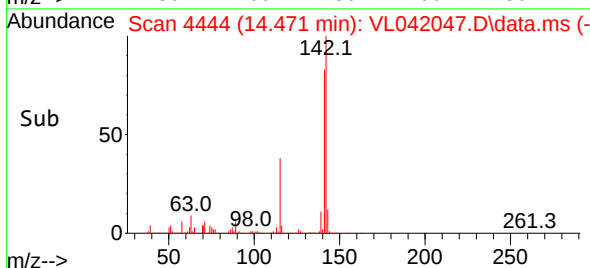
Reviewed By :Semsettin Yesilyurt 02/26/2025
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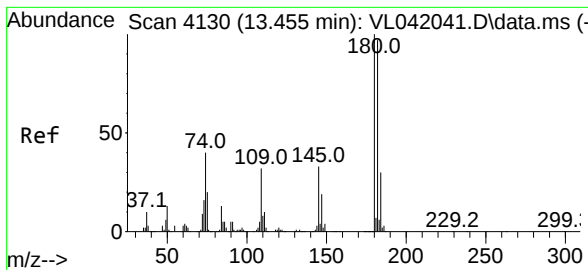


#80
Naphthalene,2-methyl-
Concen: 10.956 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. -0.000 min
Lab File: VL042047.D
Acq: 25 Feb 2025 12:07



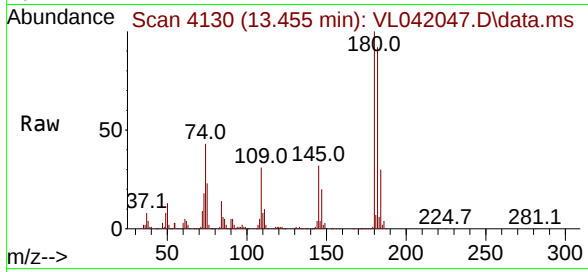
Tgt Ion:142 Resp: 324431
Ion Ratio Lower Upper
142 100
141 82.9 65.8 98.6
115 38.5 29.5 44.3





#81
 1,2,4-Trichlorobenzene
 Concen: 13.351 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042047.D
 Acq: 25 Feb 2025 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 354990
 Ion Ratio Lower Upper
 180 100
 182 92.9 75.1 112.7
 184 29.9 23.8 35.6

Manual Integrations
 APPROVED

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