

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040437.D
 Acq On : 16 May 2023 13:33
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

Quant Time: May 16 14:03:52 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M

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

QLast Update : Tue May 16 13:37:58 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1070772	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.668	114	2634492	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.487	117	2485736	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.799 95 2117523 10.302 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	2387532	12.367	ppbv	99
3) Chlorodifluoromethane	2.671	51	1852910	13.243	ppbv	99
4) Chloromethane	2.809	50	1187610	13.436	ppbv	96
5) Vinyl Chloride	2.919	62	1008535	13.823	ppbv	97
6) Bromomethane	3.118	94	317821	13.222	ppbv	95
7) Chloroethane	3.198	64	386773	14.000	ppbv	96
8) Dichlorotetrafluoroethane	2.854	85	2533518	13.428	ppbv	99
9) Propene	2.690	41	742519	13.433	ppbv	100
10) Heptane	7.594	43	1952094	15.539	ppbv	100
11) Trichlorofluoromethane	3.565	101	2631865	13.466	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.070	101	1892040	13.841	ppbv	99
13) Ethanol	3.243	45	47927	10.386	ppbv	98
14) Bromoethene	3.365	108	827631	14.807	ppbv	97
15) Acetone	3.468	43	1806364	11.911	ppbv	100
16) 1,3-Butadiene	2.983	39	907562	14.460	ppbv	98
17) tert-Butyl alcohol	3.880	59	1744850	12.529	ppbv	100
18) 1,1-Dichloroethene	3.883	96	867269	14.068	ppbv	97
19) Isopropyl Alcohol	3.574	45	869775	12.569	ppbv	99
20) Methylene Chloride	3.935	84	723356	11.947	ppbv	99
21) Allyl Chloride	3.999	41	1276419	14.812	ppbv	98
22) trans-1,2-Dichloroethene	4.452	96	897724	14.565	ppbv	98
23) Vinyl Acetate	4.632	43	503982	13.052	ppbv #	95
24) 1,1-Dichloroethane	4.568	63	1804169	14.039	ppbv	99
25) Ethyl Acetate	5.214	43	3624704	14.203	ppbv	100
26) Hexane	5.221	57	1511093	14.046	ppbv	100
27) Carbon Disulfide	4.127	76	2197672	15.785	ppbv	99
28) Methyl tert-Butyl Ether	4.590	73	1597690	14.386	ppbv	99
29) Chloroform	5.285	83	2654883	13.853	ppbv	97
30) Cyclohexane	6.613	84	1287334	15.450	ppbv	99
31) cis-1,2-Dichloroethene	5.086	61	1594739	14.955	ppbv	99
32) 1,1,1-Trichloroethane	6.015	97	2698026	14.489	ppbv	100
34) 2-Butanone	4.793	43	2149004	15.128	ppbv	99
35) Carbon Tetrachloride	6.507	117	2796150	15.077	ppbv	97
36) Benzene	6.385	78	3218600	14.974	ppbv	98
37) 1,2-Dichloroethane	5.819	62	2120272	15.017	ppbv	100
38) Trichloroethene	7.307	130	2056370	16.810	ppbv	97
39) 1,2-Dichloropropane	7.089	63	1250963	14.791	ppbv	98
40) 1,4-Dioxane	7.298	88	487849	15.061	ppbv #	96
41) Tetrahydrofuran	5.565	42	1218791	15.666	ppbv	99
42) Bromodichloromethane	7.266	83	2975454	15.432	ppbv	97
43) Methyl Methacrylate	7.491	69	1325616	16.605	ppbv	99
44) 2,2,4-Trimethylpentane	7.343	57	5315904	14.807	ppbv	99
45) t-1,3-Dichloropropene	8.725	75	1356398	19.021	ppbv	97

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Quant Time: May 16 14:03:52 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M

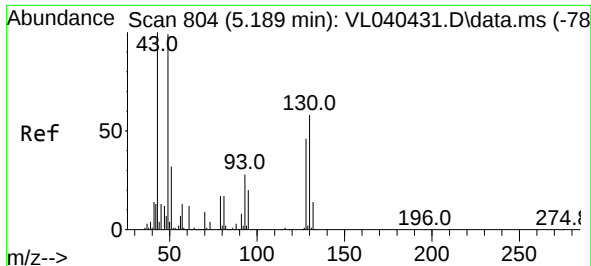
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue May 16 13:37:58 2023

Response via : Initial Calibration

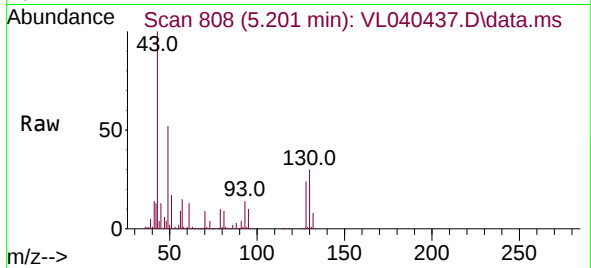
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.159	75	1764329	17.775	ppbv	98
47) 1,1,2-Trichloroethane	8.918	97	1394868	15.042	ppbv	99
48) Dibromochloromethane	9.732	129	2442545	16.356	ppbv	99
49) Bromoform	12.429	173	2016376	17.311	ppbv	100
50) 4-Methyl-2-Pentanone	8.195	43	3421966	15.887	ppbv	100
51) 2-Hexanone	9.568	43	2726399	17.130	ppbv	100
52) Tetrachloroethene	10.635	164	1143593	17.009	ppbv	97
53) Toluene	9.240	91	3766287	16.528	ppbv	100
54) 1,2-Dibromoethane	10.031	107	1544105	16.424	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.529	131	1754765	15.466	ppbv	98
57) Chlorobenzene	11.548	112	2979283	15.308	ppbv	98
58) Ethyl Benzene	12.108	91	5187427	16.965	ppbv	97
59) m/p-Xylene	12.397	91	9075362m	32.274	ppbv	
60) o-Xylene	13.082	91	4380359	16.231	ppbv	99
61) Styrene	12.921	104	2584990	19.122	ppbv	99
62) Isopropylbenzene	14.053	105	6132180	15.778	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.069	83	1334512	13.512	ppbv	100
64) n-propylbenzene	14.937	120	1599695	16.727	ppbv	92
65) tert-Butylbenzene	16.114	119	5376528	15.723	ppbv	99
66) Benzyl Chloride	16.349	91	374708	17.699	ppbv	99
67) sec-Butylbenzene	16.661	105	7586730	15.447	ppbv	98
69) p-Isopropyltoluene	17.018	119	6168851	16.085	ppbv	99
70) n-Butylbenzene	17.908	91	6747437	15.871	ppbv	99
71) 2-Chlorotoluene	14.825	91	4822548	16.162	ppbv	99
72) 4-Ethyltoluene	15.214	105	5074092	17.031	ppbv	99
73) 1,3,5-Trimethylbenzene	15.375	105	4515330	16.407	ppbv	99
74) 1,2,4-Trimethylbenzene	16.133	105	4938140	15.699	ppbv	94
75) 1,3-Dichlorobenzene	16.355	146	2785449	16.167	ppbv	99
76) 1,4-Dichlorobenzene	16.497	146	2720564	15.982	ppbv	99
77) 1,2-Dichlorobenzene	17.169	146	2658981	15.608	ppbv	100
78) Hexachloro-1,3-Butadiene	22.660	225	1851994	13.560	ppbv	100
79) Naphthalene	21.407	128	3909872	18.414	ppbv	99
80) Naphthalene,2-methyl-	24.394	142	1299151	20.555	ppbv	97
81) 1,2,4-Trichlorobenzene	21.162	180	2052845	15.733	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.012 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

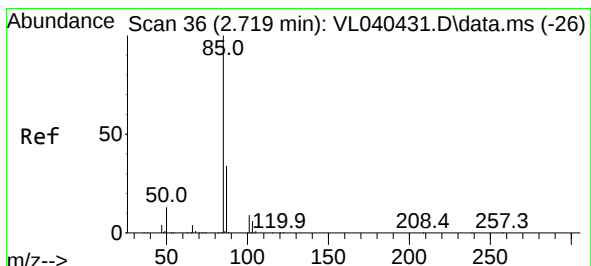
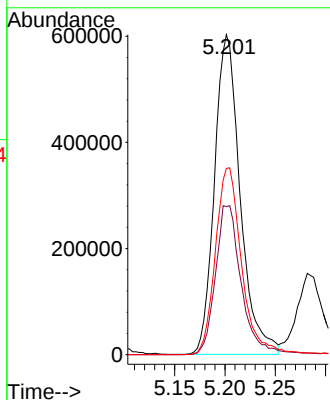
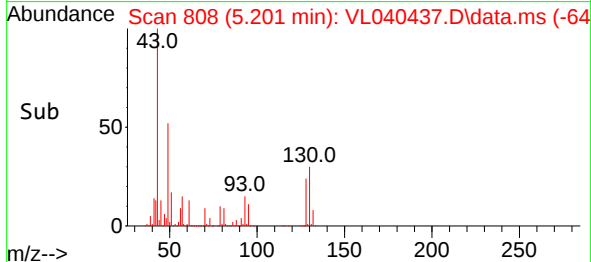
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



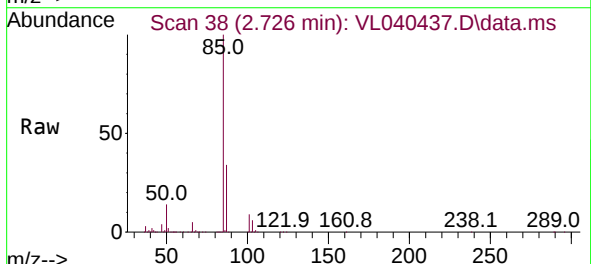
Tgt Ion: 49 Resp: 1070772
Ion Ratio Lower Upper
49 100
128 47.5 23.7 71.1
130 60.5 29.9 89.8

Manual Integrations
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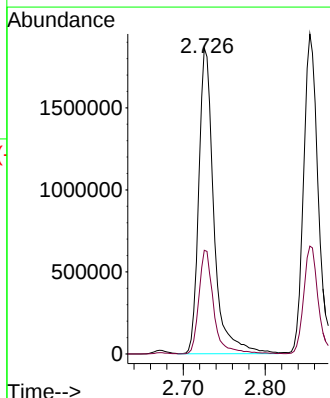
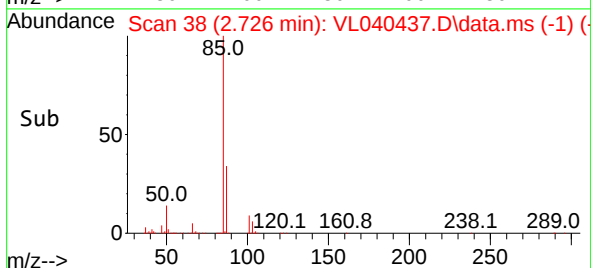
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

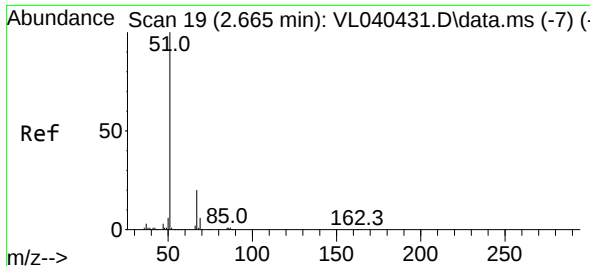


#2
Dichlorodifluoromethane
Concen: 12.367 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33



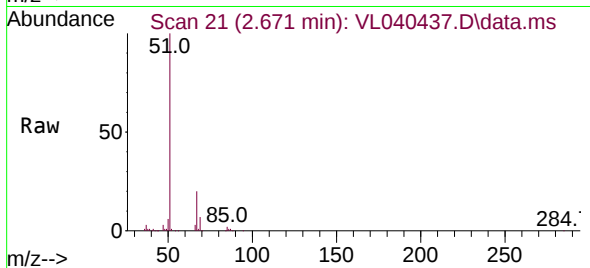
Tgt Ion: 85 Resp: 2387532
Ion Ratio Lower Upper
85 100
87 33.9 26.6 40.0





#3
Chlorodifluoromethane
Concen: 13.243 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

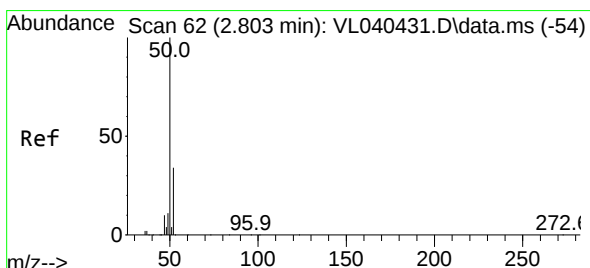
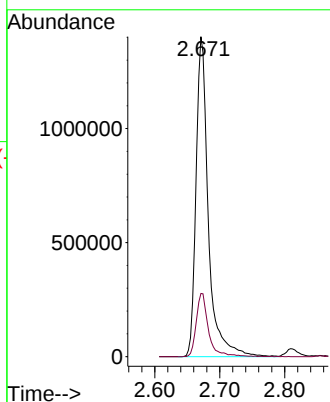
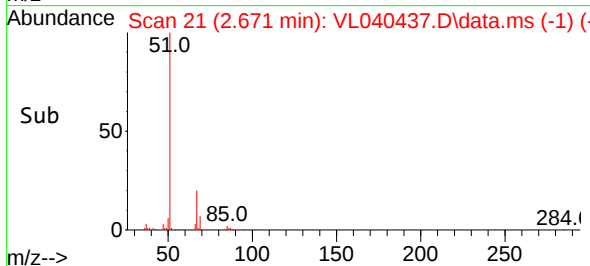
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 51 Resp: 1852910
Ion Ratio Lower Upper
51 100
67 19.8 15.5 23.3

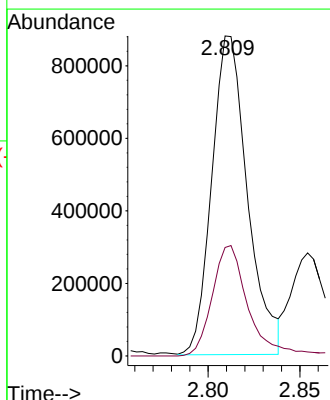
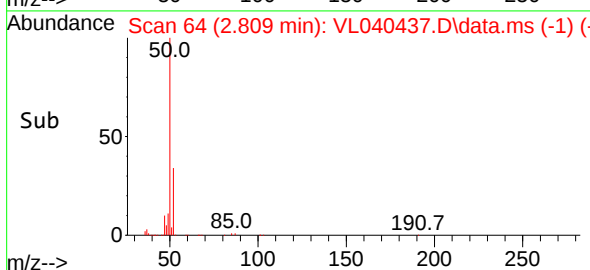
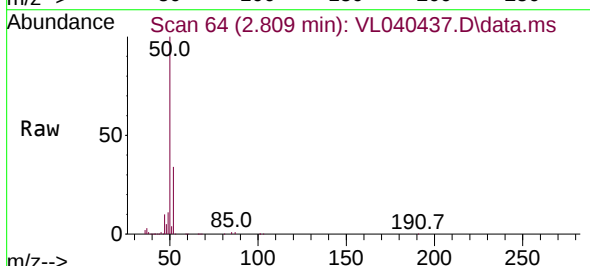
Manual Integrations
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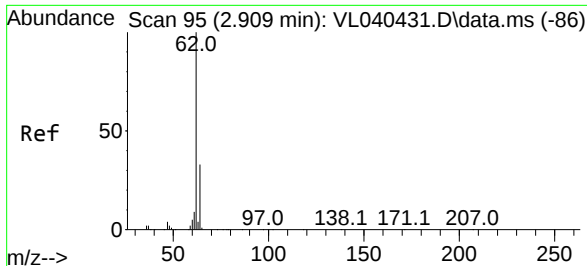
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#4
Chloromethane
Concen: 13.436 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.009 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

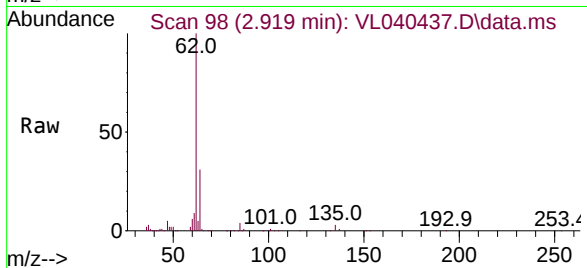
Tgt Ion: 50 Resp: 1187610
Ion Ratio Lower Upper
50 100
52 34.1 25.3 37.9





#5
 Vinyl Chloride
 Concen: 13.823 ppbv
 RT: 2.919 min Scan# 95
 Delta R.T. 0.010 min
 Lab File: VL040437.D
 Acq: 16 May 2023 13:33

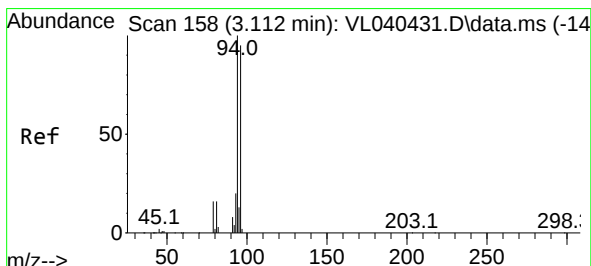
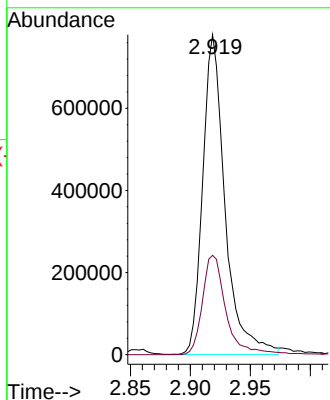
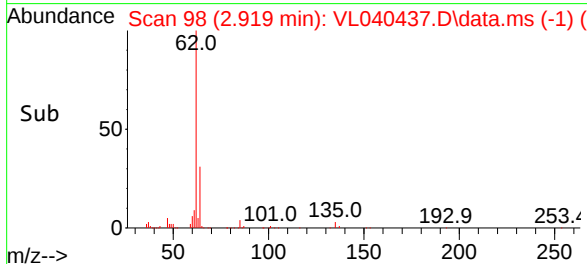
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



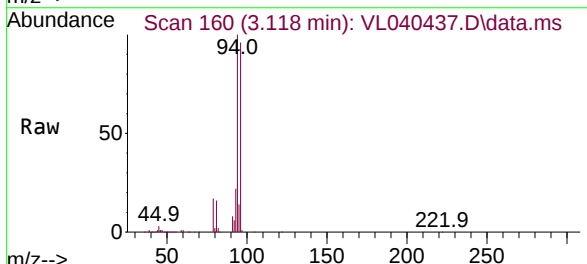
Tgt Ion: 62 Resp: 100853
 Ion Ratio Lower Upper
 62 100
 64 31.0 26.3 39.5

Manual Integrations
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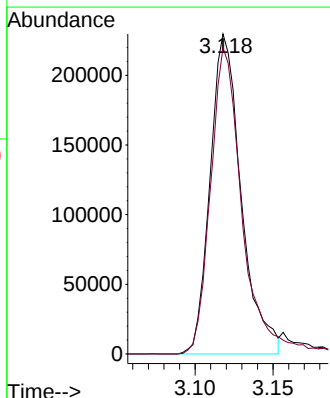
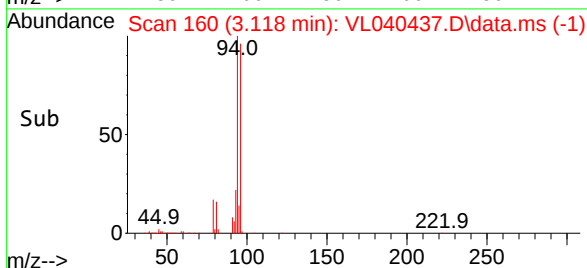
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

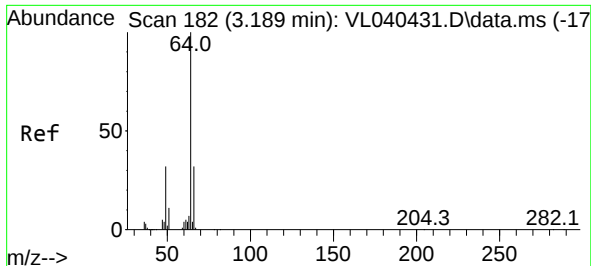


#6
 Bromomethane
 Concen: 13.222 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. 0.010 min
 Lab File: VL040437.D
 Acq: 16 May 2023 13:33



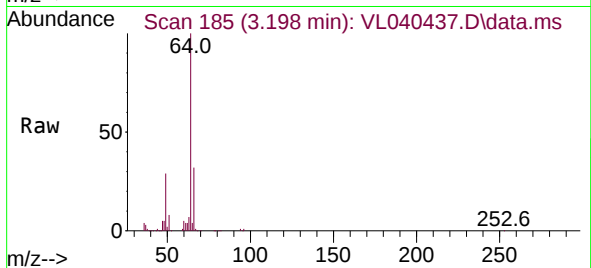
Tgt Ion: 94 Resp: 317821
 Ion Ratio Lower Upper
 94 100
 96 95.7 72.6 108.8





#7
Chloroethane
Concen: 14.000 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

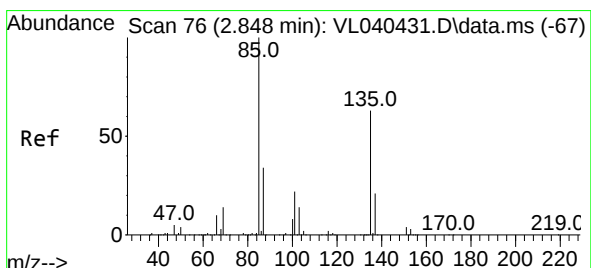
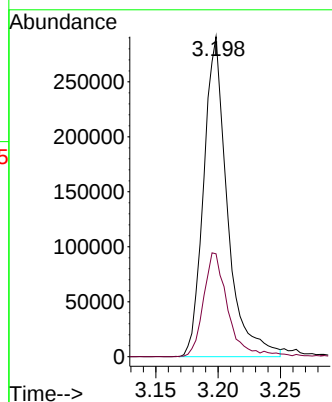
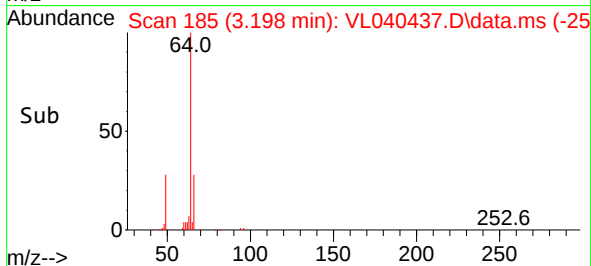
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 64 Resp: 38677
Ion Ratio Lower Upper
64 100
66 32.2 27.5 41.3

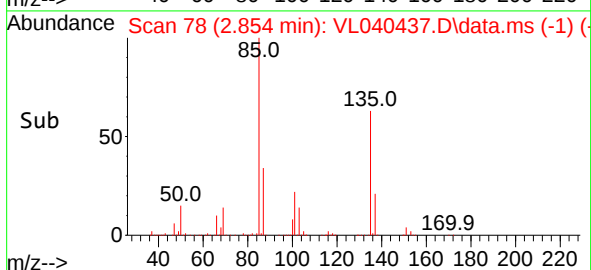
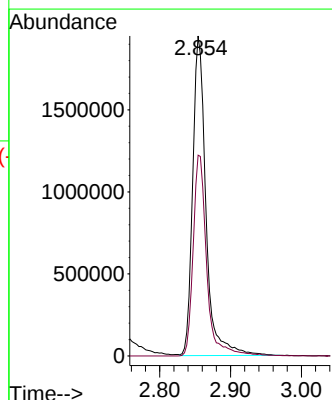
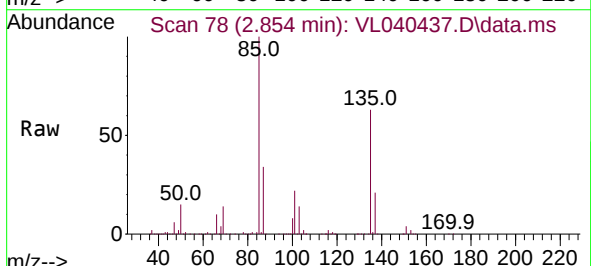
Manual Integrations
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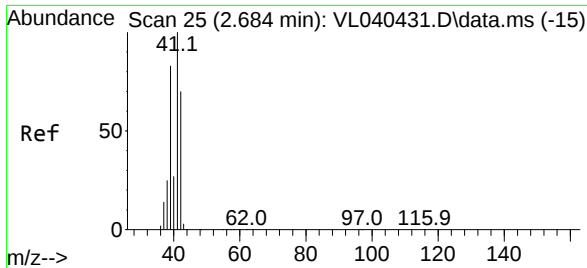
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#8
Dichlorotetrafluoroethane
Concen: 13.428 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.009 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

Tgt Ion: 85 Resp: 2533518
Ion Ratio Lower Upper
85 100
135 64.4 50.7 76.1





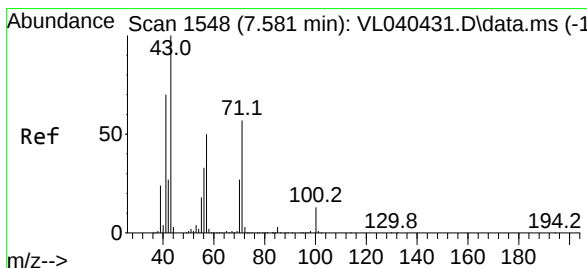
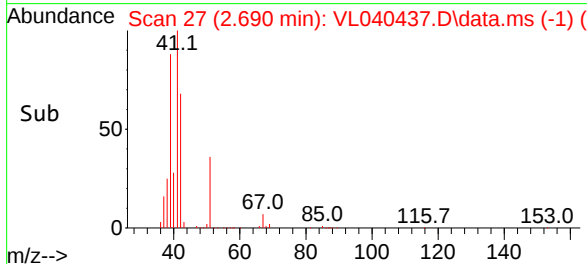
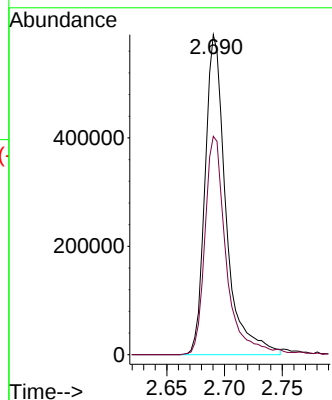
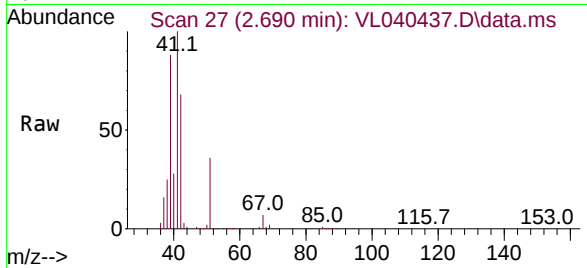
#9
 Propene
 Concen: 13.433 ppbv
 RT: 2.690 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: VL040437.D
 Acq: 16 May 2023 13:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 41 Resp: 742519
 Ion Ratio Lower Upper
 41 100
 42 70.5 56.5 84.7

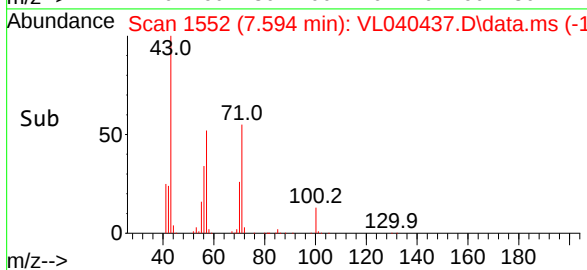
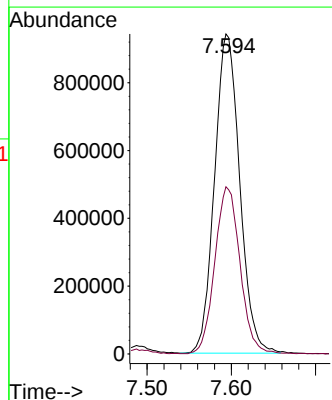
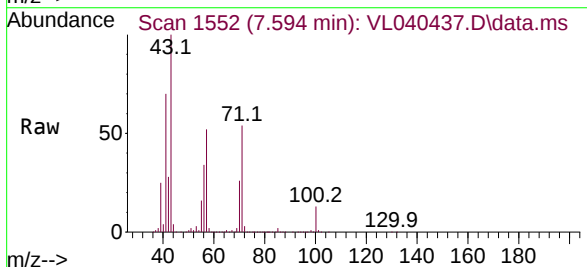
Manual Integrations
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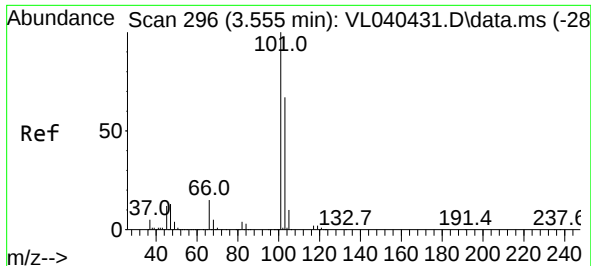
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#10
 Heptane
 Concen: 15.539 ppbv
 RT: 7.594 min Scan# 1552
 Delta R.T. 0.013 min
 Lab File: VL040437.D
 Acq: 16 May 2023 13:33

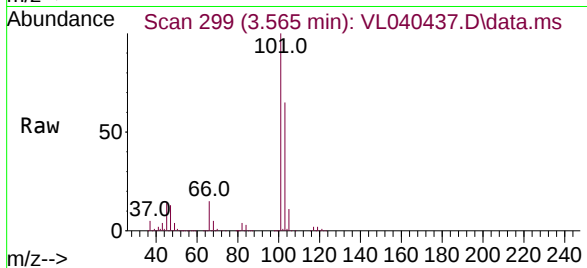
Tgt Ion: 43 Resp: 1952094
 Ion Ratio Lower Upper
 43 100
 57 52.5 42.2 63.4





#11
 Trichlorofluoromethane
 Concen: 13.466 ppbv
 RT: 3.565 min Scan# 296
 Delta R.T. 0.013 min
 Lab File: VL040437.D
 Acq: 16 May 2023 13:33

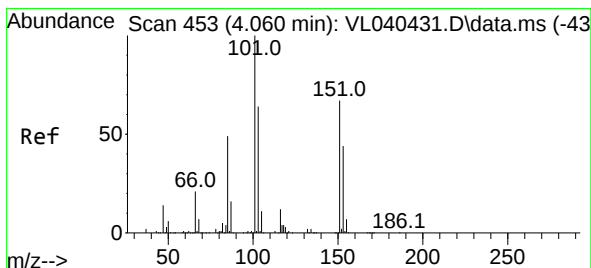
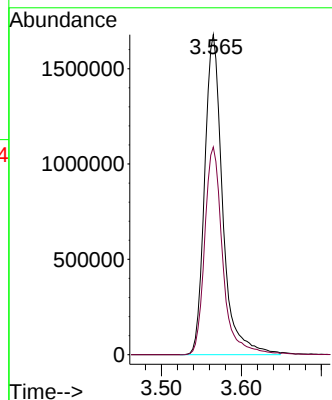
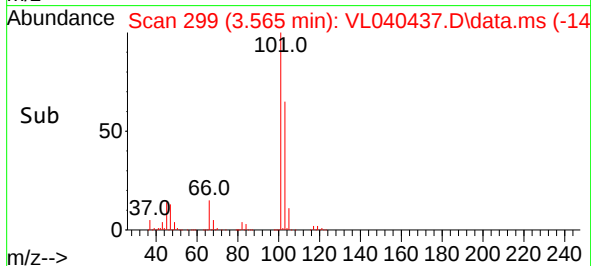
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



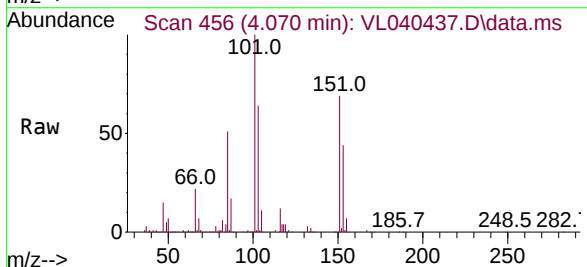
Tgt Ion:101 Resp: 263186
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.2 78.4

Manual Integrations
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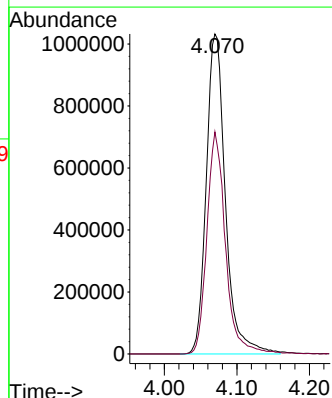
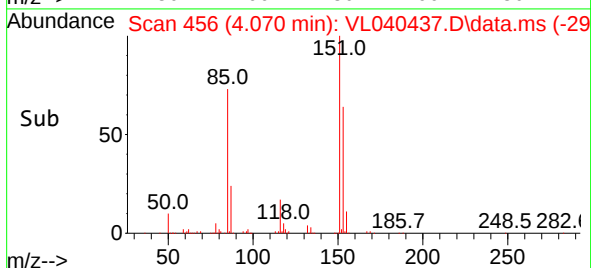
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

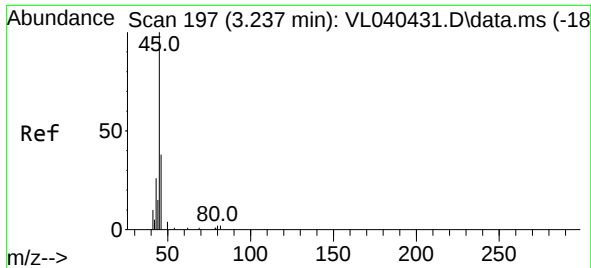


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.841 ppbv
 RT: 4.070 min Scan# 456
 Delta R.T. 0.010 min
 Lab File: VL040437.D
 Acq: 16 May 2023 13:33



Tgt Ion:101 Resp: 1892040
 Ion Ratio Lower Upper
 101 100
 151 67.6 54.7 82.1





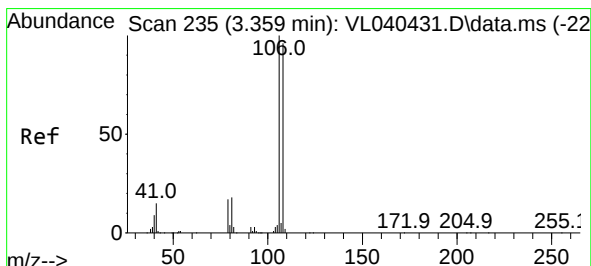
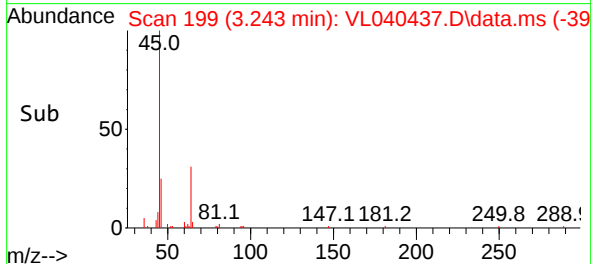
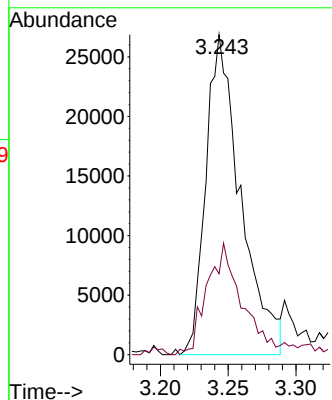
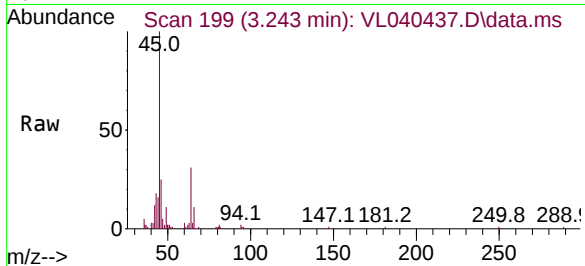
#13
Ethanol
Concen: 10.386 ppbv
RT: 3.243 min Scan# 197
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 45 Resp: 47927
Ion Ratio Lower Upper
45 100
46 39.6 15.3 61.3

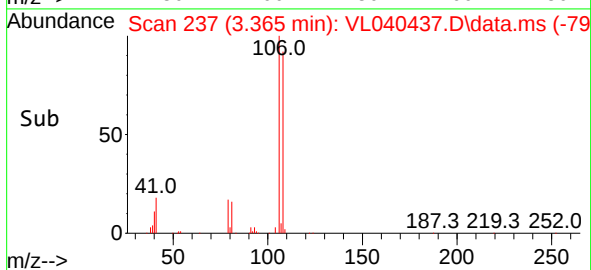
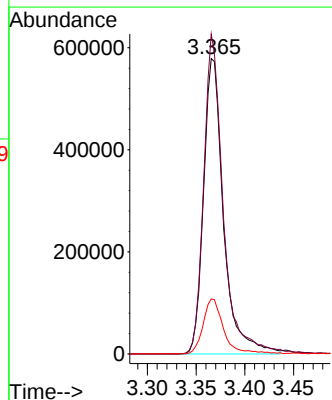
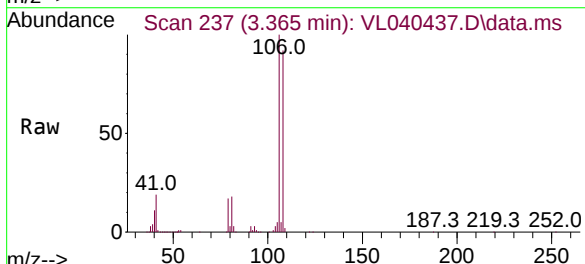
Manual Integrations
APPROVED

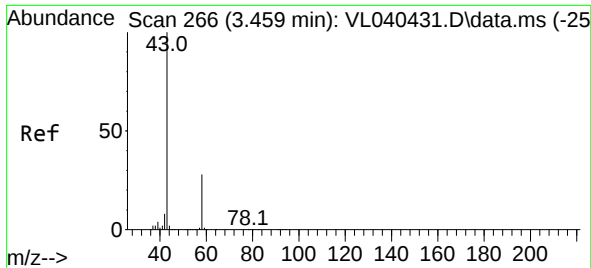
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#14
Bromoethene
Concen: 14.807 ppbv
RT: 3.365 min Scan# 237
Delta R.T. 0.009 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

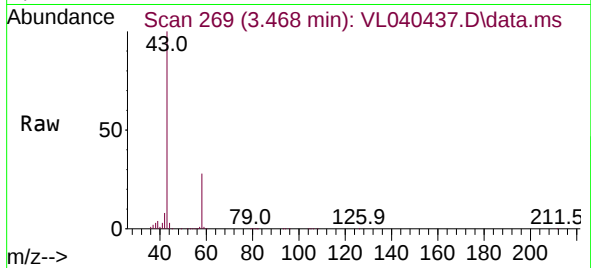
Tgt Ion:108 Resp: 827631
Ion Ratio Lower Upper
108 100
106 106.4 88.3 132.5
79 19.8 16.1 24.1





#15
Acetone
Concen: 11.911 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

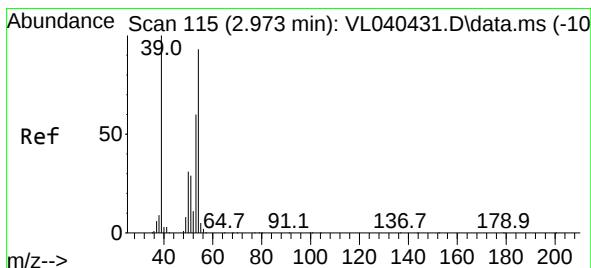
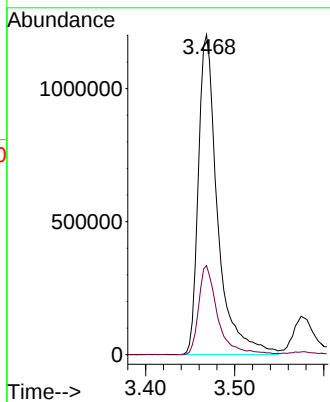
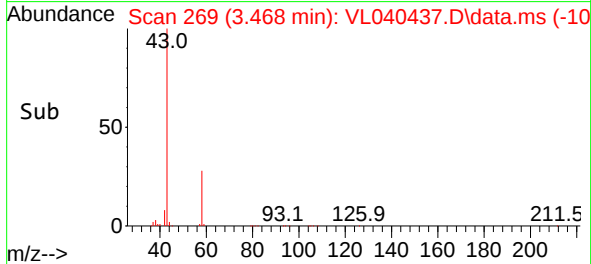
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 43 Resp: 180636
Ion Ratio Lower Upper
43 100
58 27.6 22.2 33.2

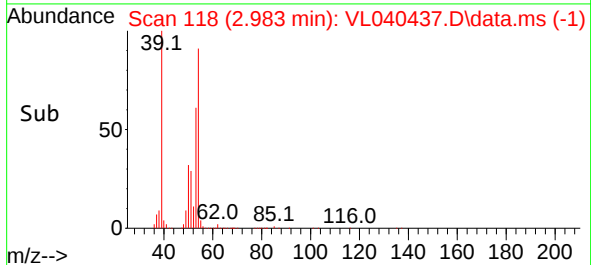
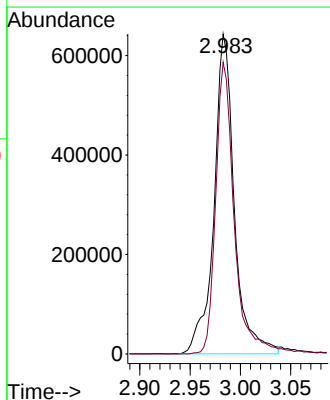
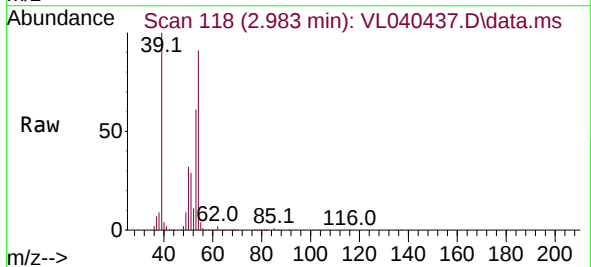
Manual Integrations
APPROVED

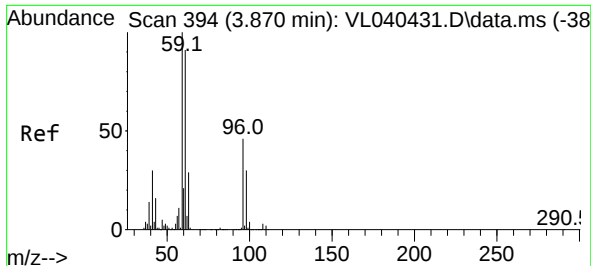
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#16
1,3-Butadiene
Concen: 14.460 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.010 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

Tgt Ion: 39 Resp: 907562
Ion Ratio Lower Upper
39 100
54 84.0 68.8 103.2





#17

tert-Butyl alcohol

Concen: 12.529 ppbv

RT: 3.880 min Scan# 394

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 59 Resp: 1744850

Ion Ratio Lower Upper

59 100

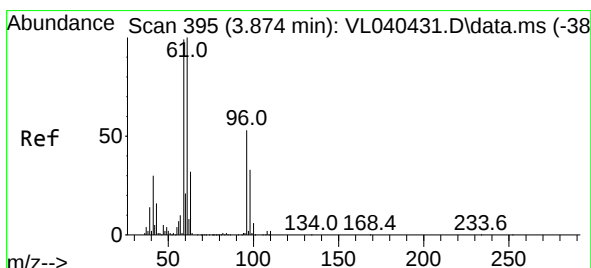
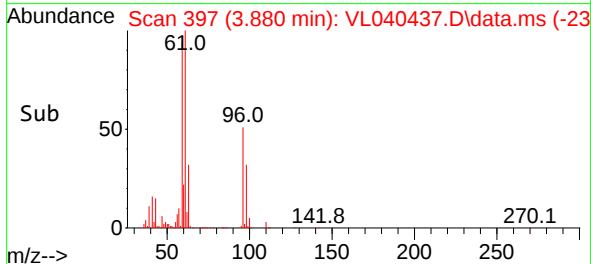
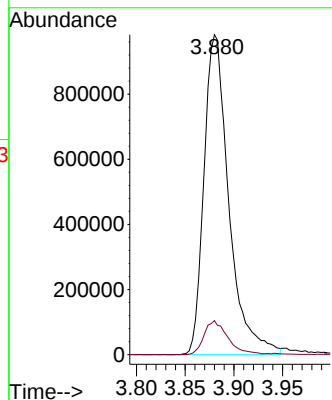
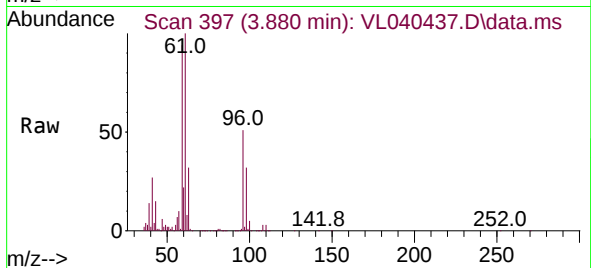
57 10.6 8.5 12.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#18

1,1-Dichloroethene

Concen: 14.068 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

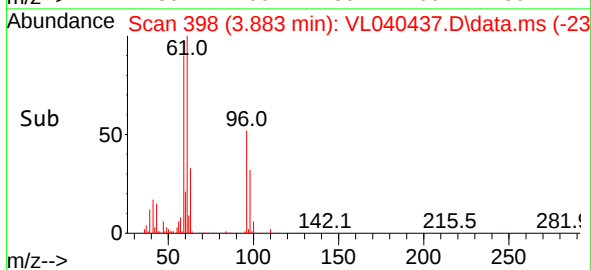
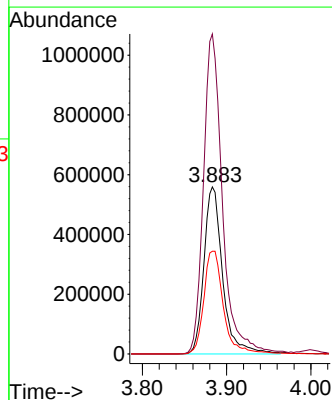
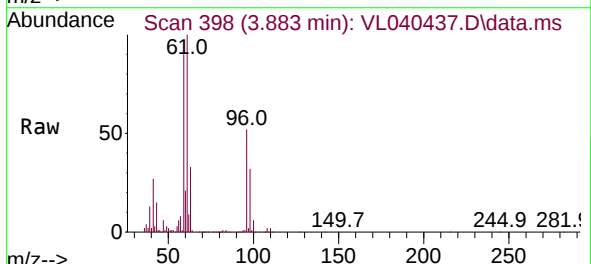
Tgt Ion: 96 Resp: 867269

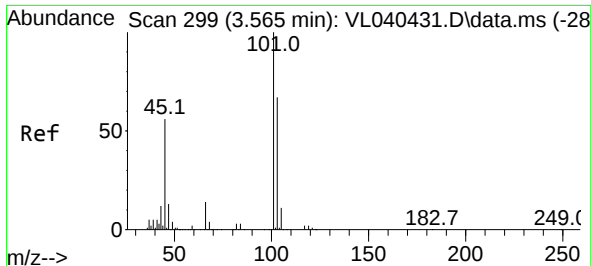
Ion Ratio Lower Upper

96 100

61 191.4 148.3 222.5

98 61.5 49.8 74.8





#19

Isopropyl Alcohol

Concen: 12.569 ppbv

RT: 3.574 min Scan# 302

Delta R.T. 0.009 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 45 Resp: 869775

Ion Ratio Lower Upper

45 100

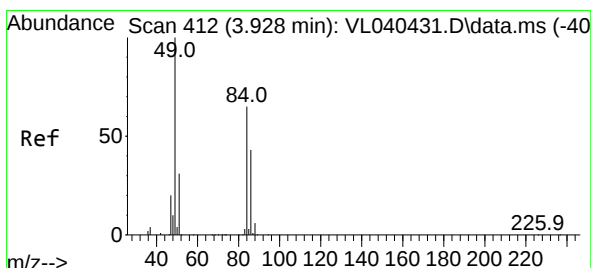
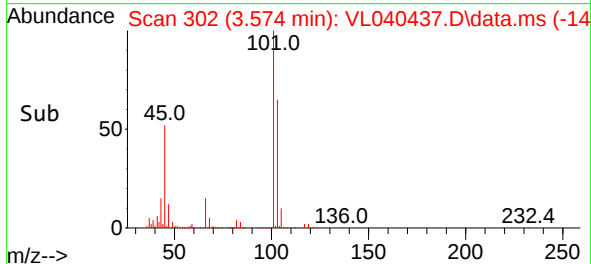
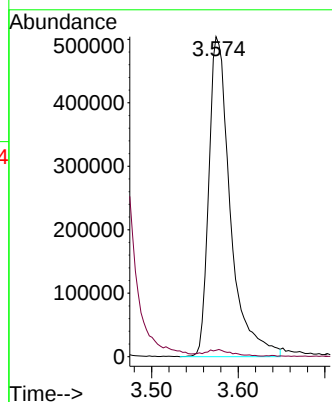
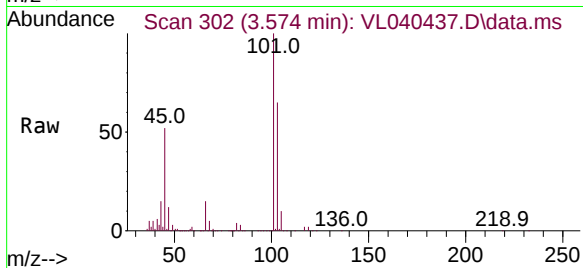
58 3.1 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#20

Methylene Chloride

Concen: 11.947 ppbv

RT: 3.935 min Scan# 414

Delta R.T. 0.010 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Tgt Ion: 84 Resp: 723356

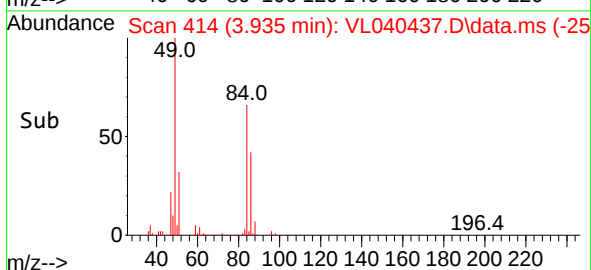
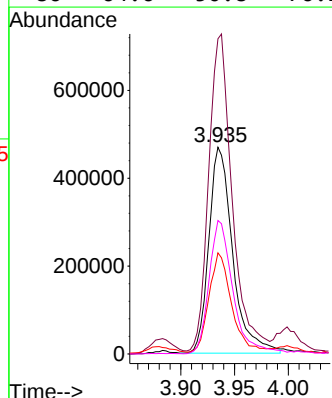
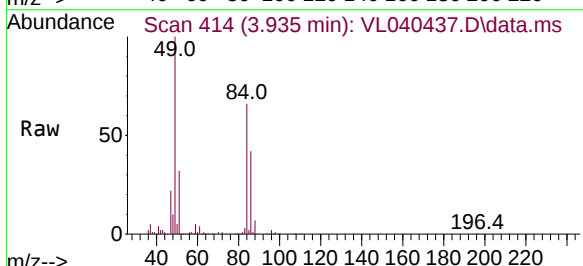
Ion Ratio Lower Upper

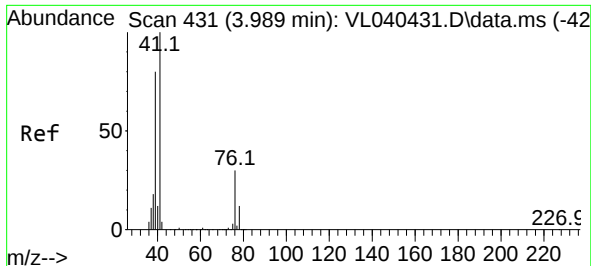
84 100

49 150.9 120.1 180.1

51 47.8 36.3 54.5

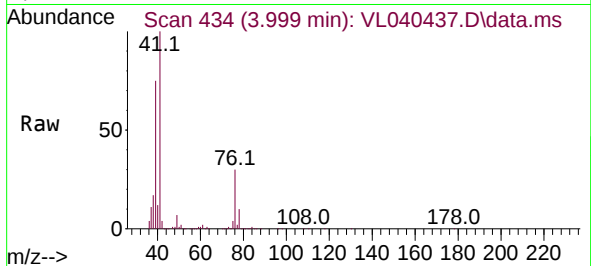
86 64.6 50.8 76.2





#21
 Allyl Chloride
 Concen: 14.812 ppbv
 RT: 3.999 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL040437.D
 Acq: 16 May 2023 13:33

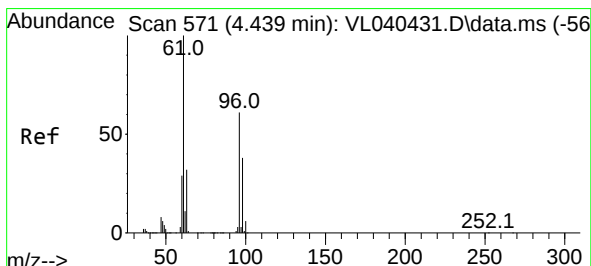
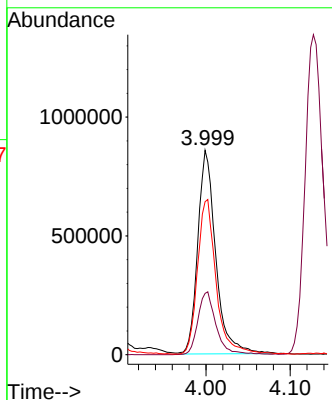
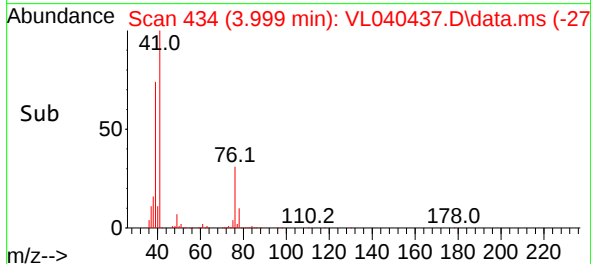
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 41 Resp: 1276419
 Ion Ratio Lower Upper
 41 100
 76 31.2 25.5 38.3
 39 78.6 64.0 96.0

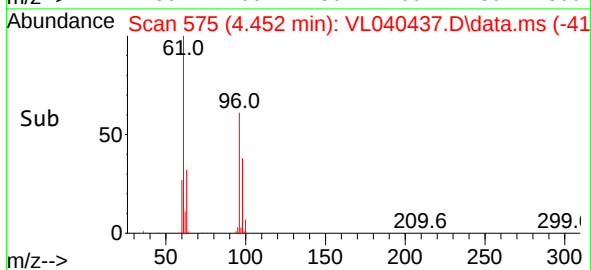
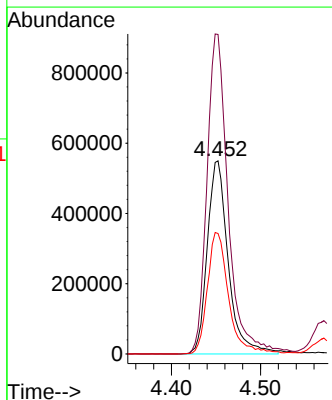
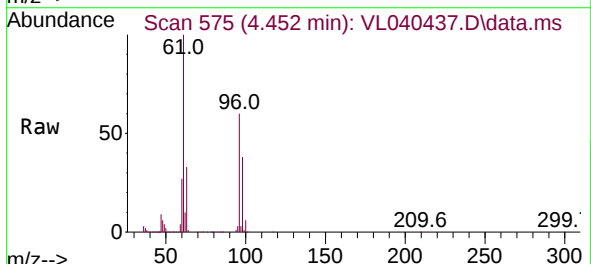
Manual Integrations
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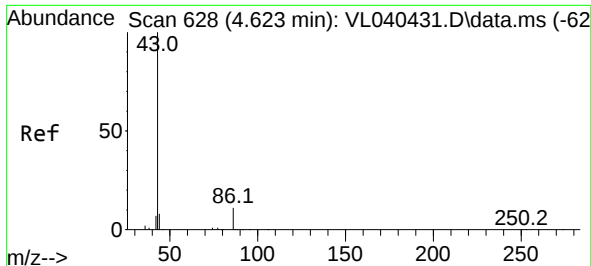
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#22
 trans-1,2-Dichloroethene
 Concen: 14.565 ppbv
 RT: 4.452 min Scan# 575
 Delta R.T. 0.013 min
 Lab File: VL040437.D
 Acq: 16 May 2023 13:33

Tgt Ion: 96 Resp: 897724
 Ion Ratio Lower Upper
 96 100
 61 165.4 129.4 194.2
 98 62.4 51.0 76.4





#23
 Vinyl Acetate
 Concen: 13.052 ppbv
 RT: 4.632 min Scan# 610
 Delta R.T. 0.013 min
 Lab File: VL040437.D
 Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

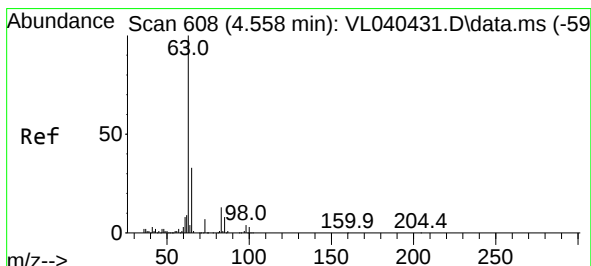
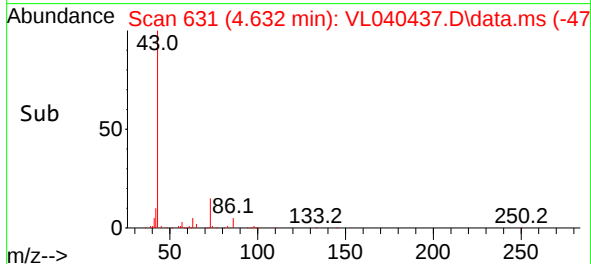
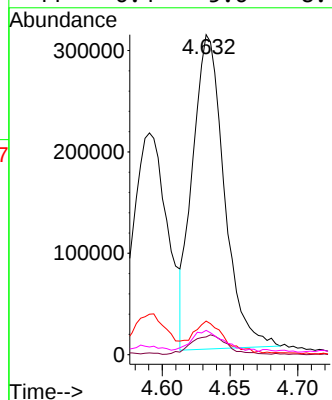
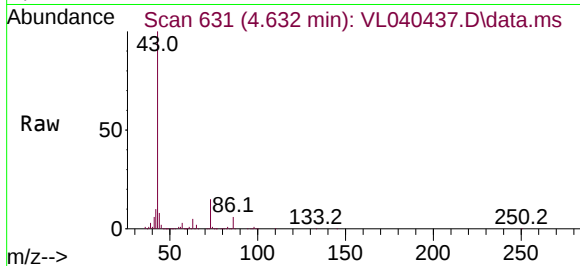
VSTDIC015

Tgt Ion: 43 Resp: 503982
 Ion Ratio Lower Upper
 43 100
 86 5.5 6.0 9.0
 42 10.2 6.4 9.6
 44 6.4 5.6 8.4

Manual Integrations

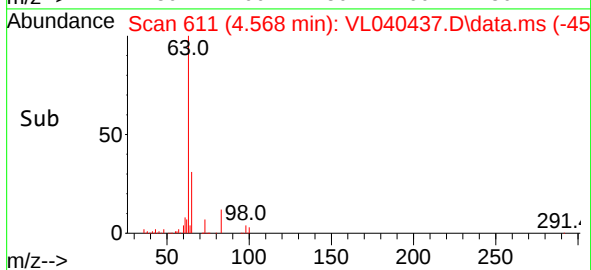
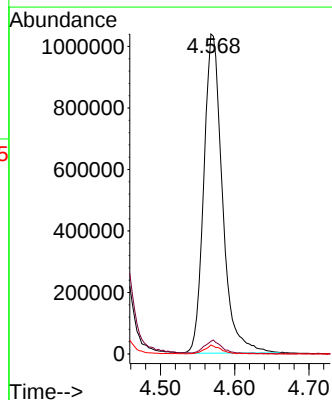
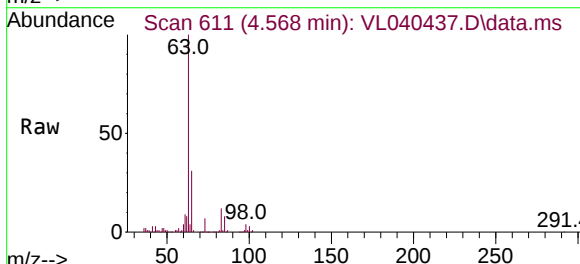
APPROVED

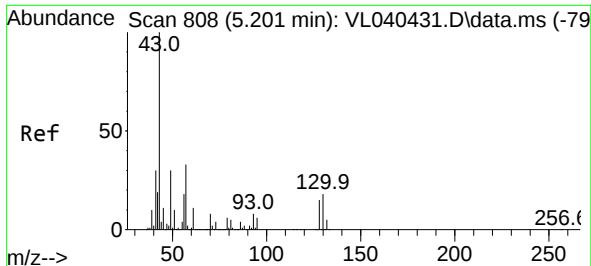
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#24
 1,1-Dichloroethane
 Concen: 14.039 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. 0.010 min
 Lab File: VL040437.D
 Acq: 16 May 2023 13:33

Tgt Ion: 63 Resp: 1804169
 Ion Ratio Lower Upper
 63 100
 98 3.7 2.1 6.2
 100 2.8 1.2 3.6





#25

Ethyl Acetate

Concen: 14.203 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 3624704

Ion Ratio Lower Upper

43 100

45 10.6 8.5 12.7

61 10.7 8.5 12.7

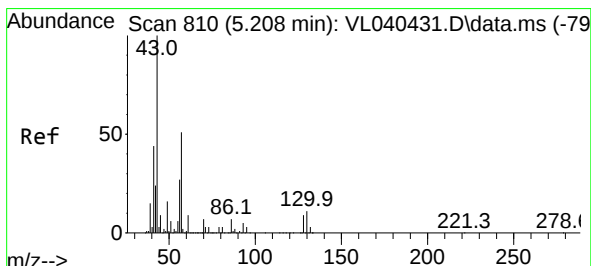
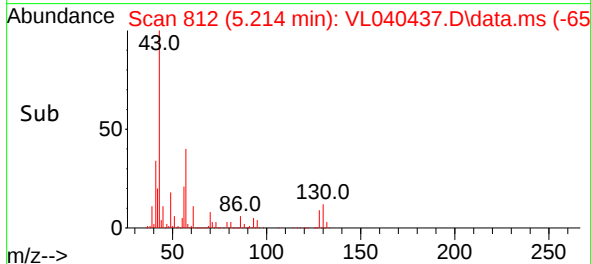
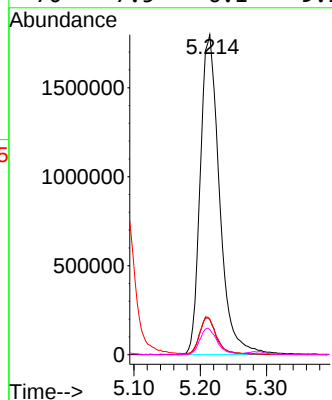
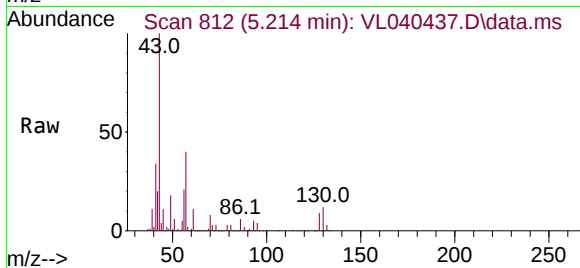
70 7.5 6.1 9.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#26

Hexane

Concen: 14.046 ppbv

RT: 5.221 min Scan# 814

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Tgt Ion: 57 Resp: 1511093

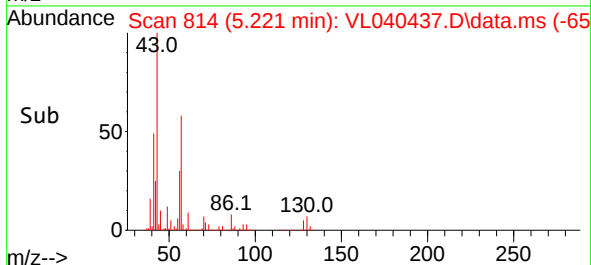
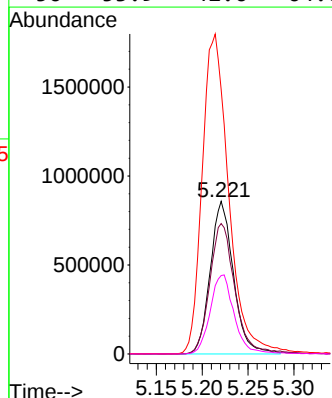
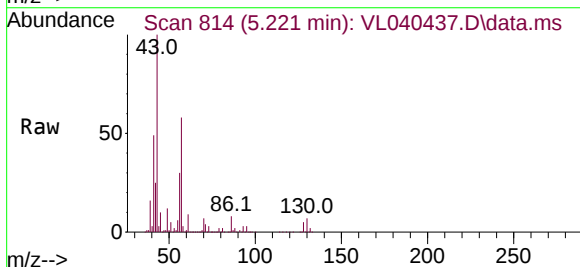
Ion Ratio Lower Upper

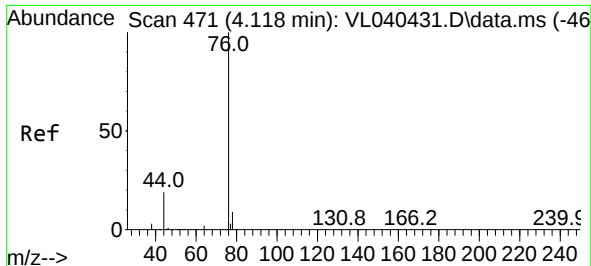
57 100

41 92.9 74.8 112.2

43 240.6 192.7 289.1

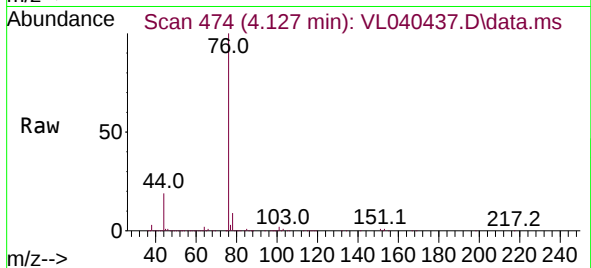
56 53.9 42.6 64.0





#27
Carbon Disulfide
Concen: 15.785 ppbv
RT: 4.127 min Scan# 41
Delta R.T. 0.009 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

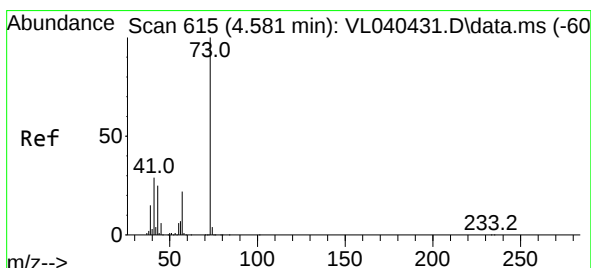
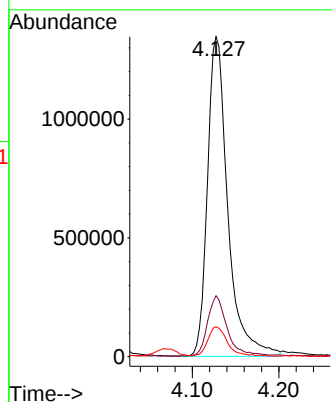
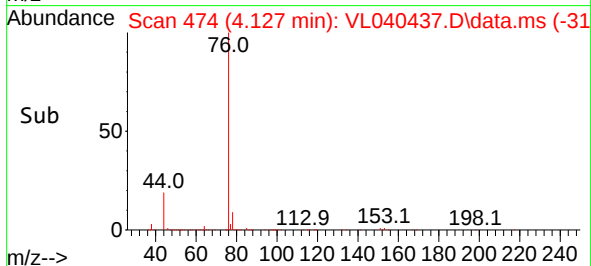
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 76 Resp: 2197672
Ion Ratio Lower Upper
76 100
44 18.7 14.7 22.1
78 9.2 7.7 11.5

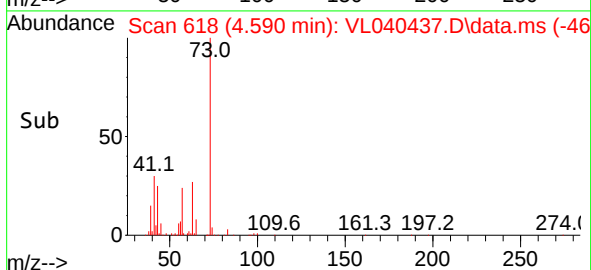
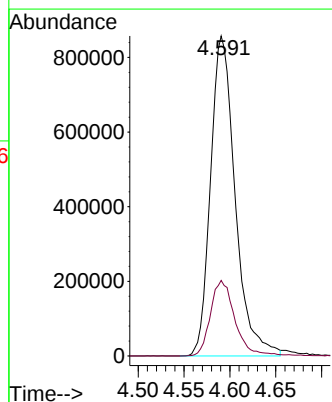
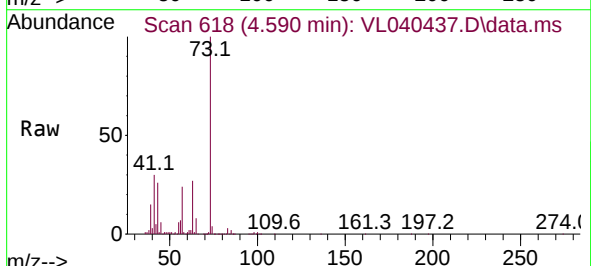
Manual Integrations
APPROVED

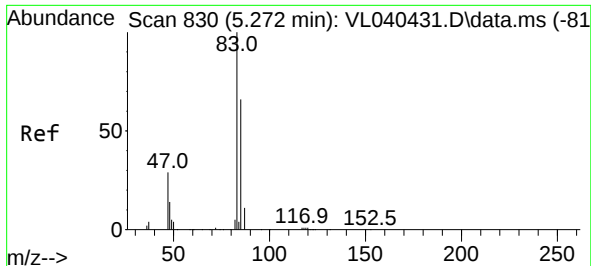
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#28
Methyl tert-Butyl Ether
Concen: 14.386 ppbv
RT: 4.590 min Scan# 618
Delta R.T. 0.009 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

Tgt Ion: 73 Resp: 1597690
Ion Ratio Lower Upper
73 100
57 23.8 18.6 27.8





#29

Chloroform

Concen: 13.853 ppbv

RT: 5.285 min Scan# 81

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 83 Resp: 265488

Ion Ratio Lower Upper

83 100

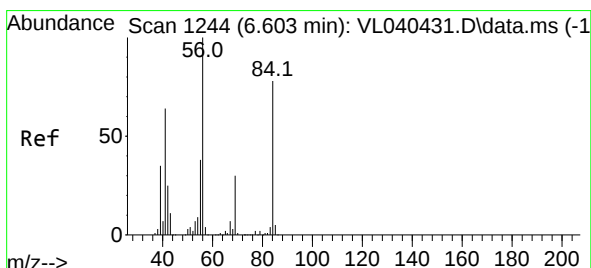
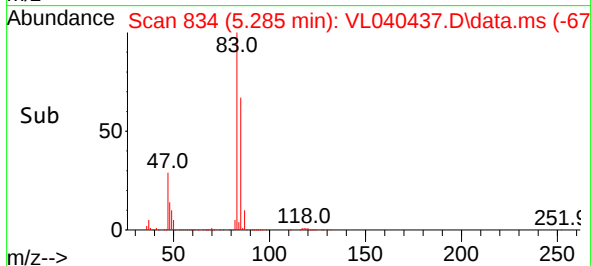
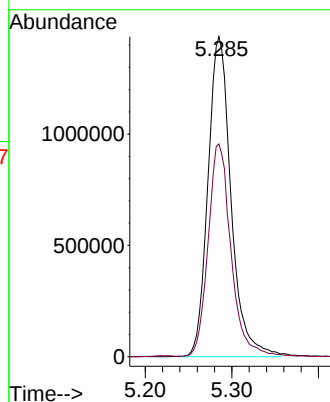
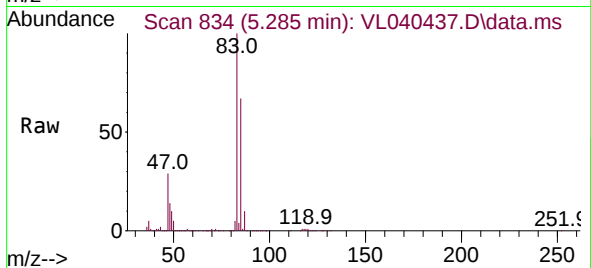
85 66.3 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#30

Cyclohexane

Concen: 15.450 ppbv

RT: 6.613 min Scan# 1247

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

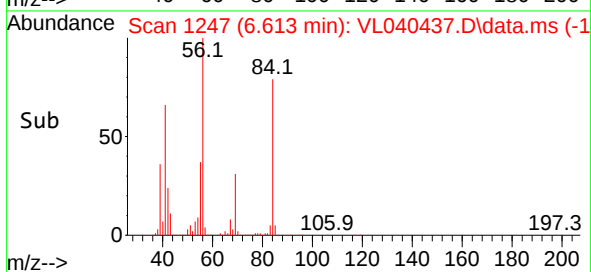
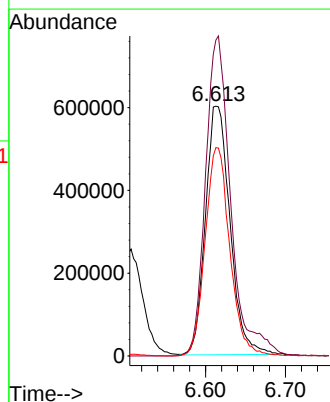
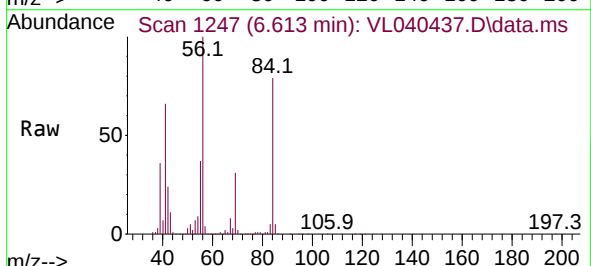
Tgt Ion: 84 Resp: 1287334

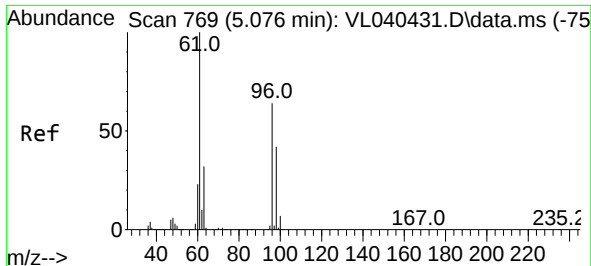
Ion Ratio Lower Upper

84 100

56 132.1 107.0 160.6

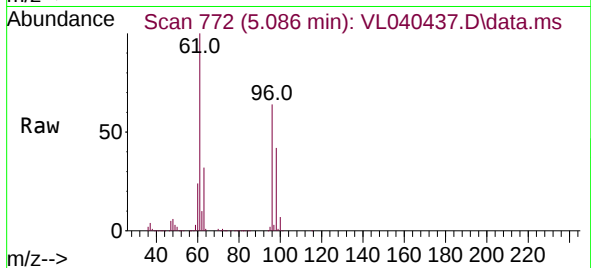
41 83.9 66.7 100.1





#31
cis-1,2-Dichloroethene
Concen: 14.955 ppbv
RT: 5.086 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

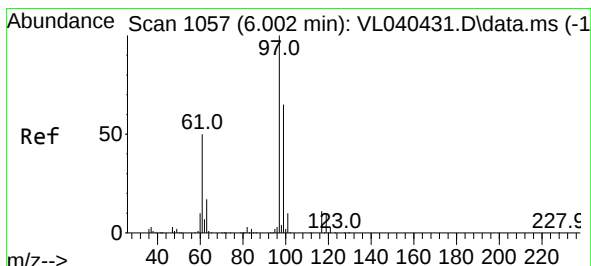
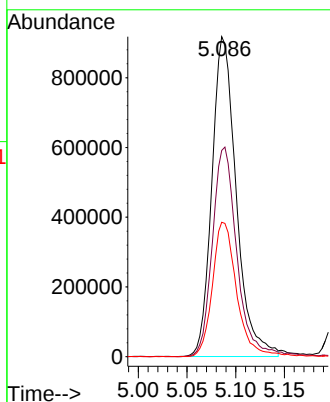
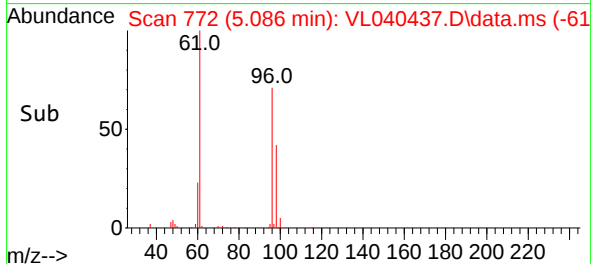
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



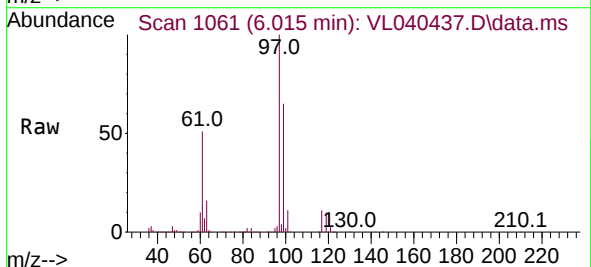
Tgt Ion: 61 Resp: 1594739
Ion Ratio Lower Upper
61 100
96 64.5 53.0 79.4
98 42.0 33.8 50.8

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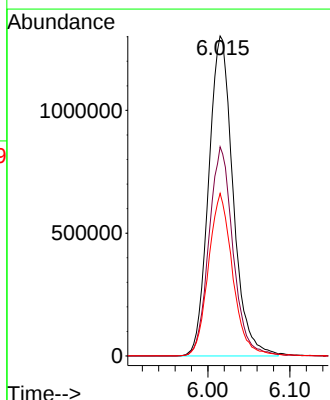
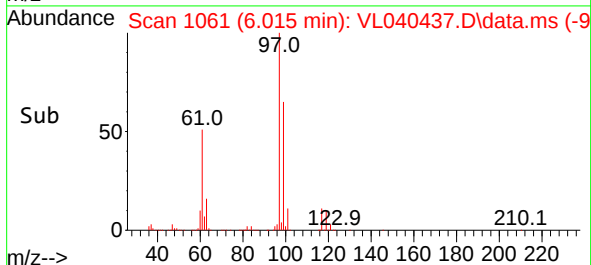
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

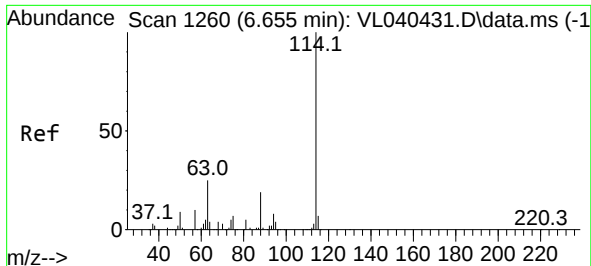


#32
1,1,1-Trichloroethane
Concen: 14.489 ppbv
RT: 6.015 min Scan# 1061
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33



Tgt Ion: 97 Resp: 2698026
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 50.4 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 1114

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 114 Resp: 263449

Ion Ratio Lower Upper

114 100

63 26.7 21.4 32.0

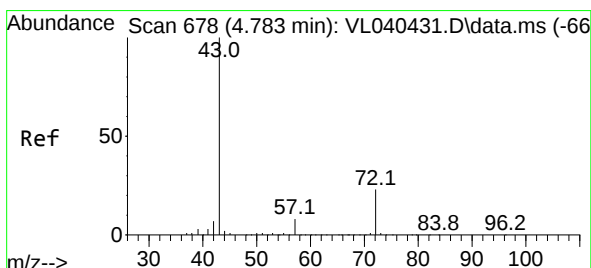
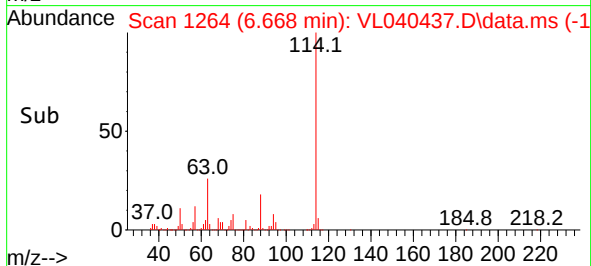
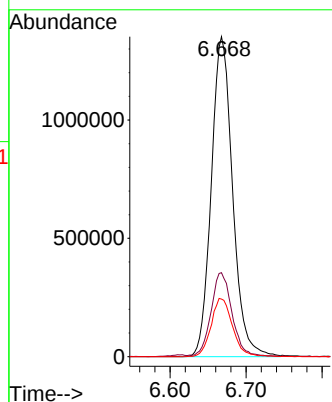
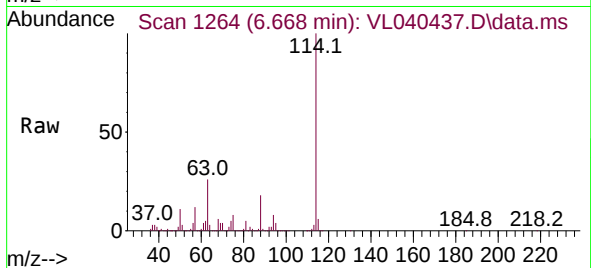
88 18.4 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#34

2-Butanone

Concen: 15.128 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.013 min

Lab File: VL040437.D

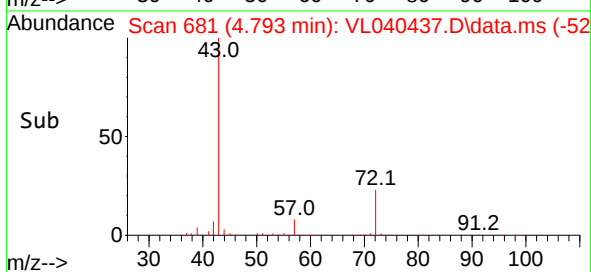
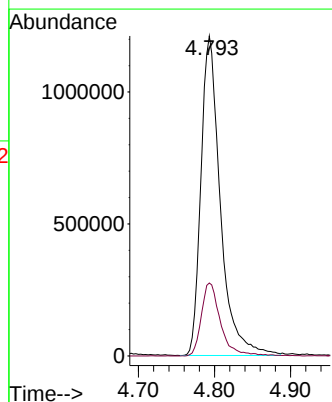
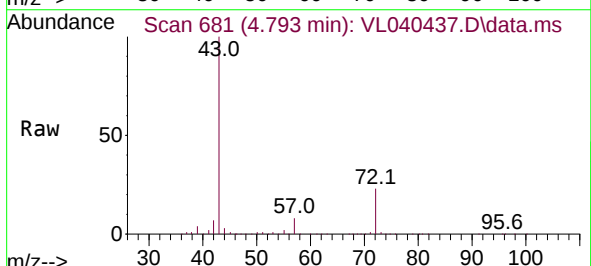
Acq: 16 May 2023 13:33

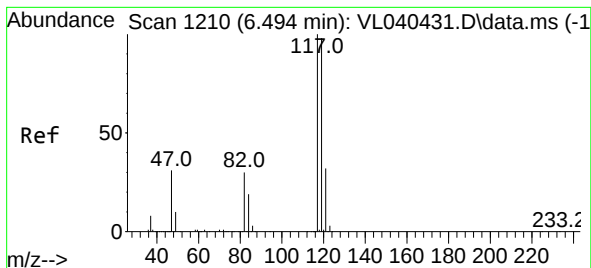
Tgt Ion: 43 Resp: 2149004

Ion Ratio Lower Upper

43 100

72 22.7 18.4 27.6





#35

Carbon Tetrachloride

Concen: 15.077 ppbv

RT: 6.507 min Scan# 1176

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:117 Resp: 2796150

Ion Ratio Lower Upper

117 100

119 93.2 76.6 114.8

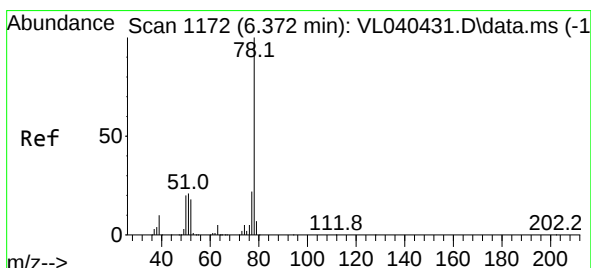
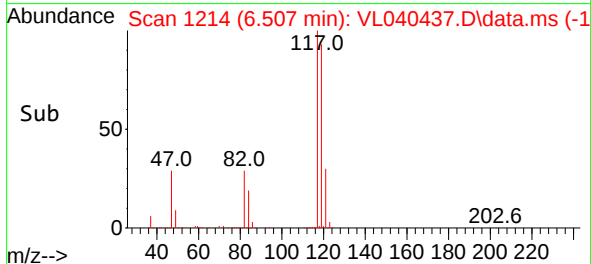
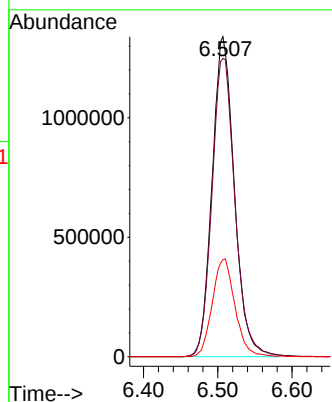
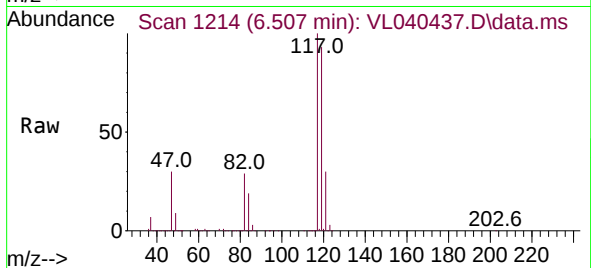
121 30.3 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#36

Benzene

Concen: 14.974 ppbv

RT: 6.385 min Scan# 1176

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

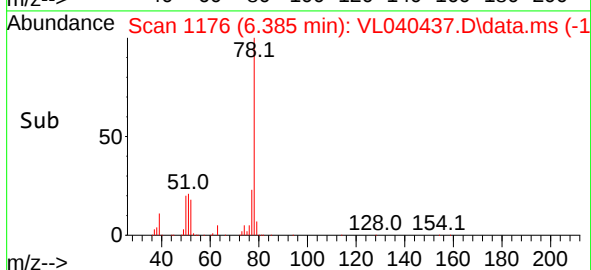
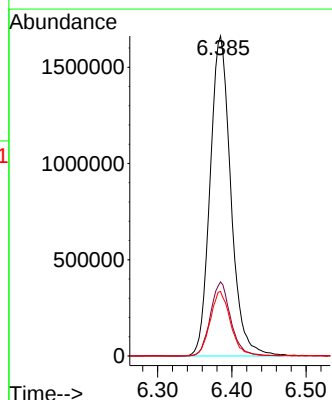
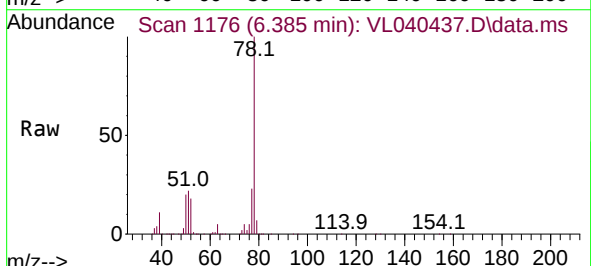
Tgt Ion: 78 Resp: 3218600

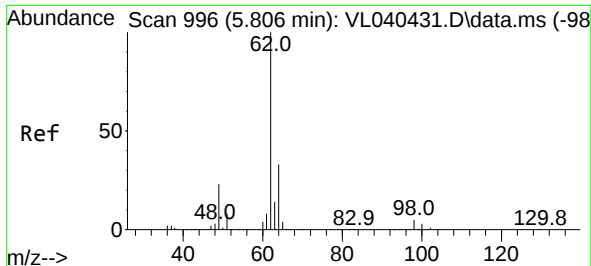
Ion Ratio Lower Upper

78 100

77 23.1 17.8 26.8

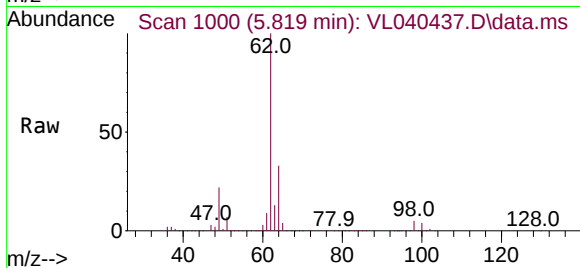
50 20.1 15.6 23.4





#37
1,2-Dichloroethane
Concen: 15.017 ppbv
RT: 5.819 min Scan# 1000
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

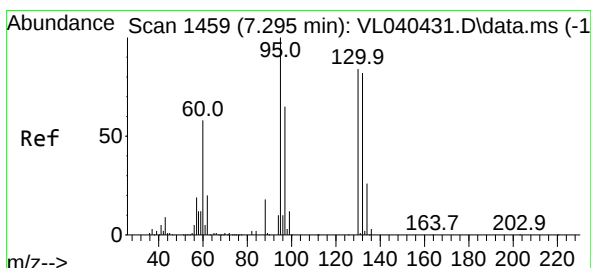
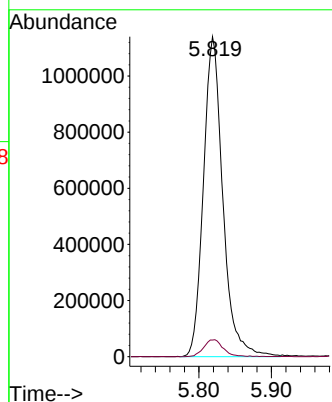
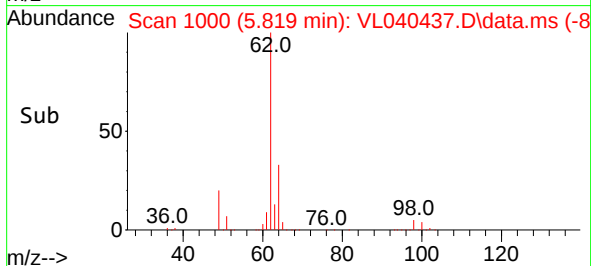
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



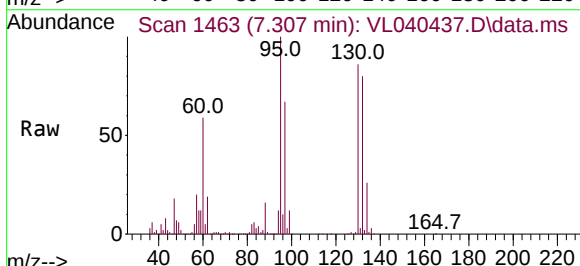
Tgt Ion: 62 Resp: 212027
Ion Ratio Lower Upper
62 100
98 5.5 4.4 6.6

Manual Integrations
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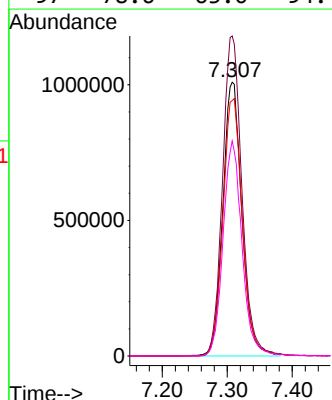
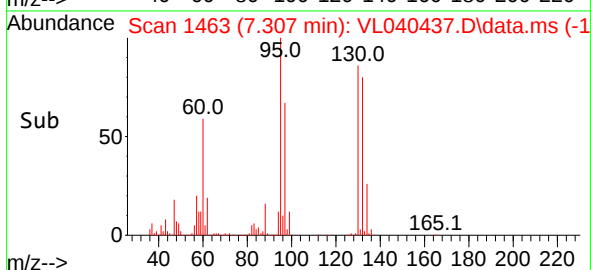
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

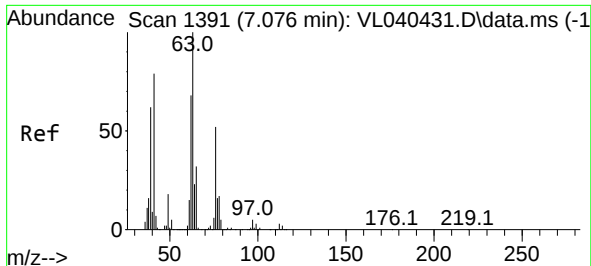


#38
Trichloroethene
Concen: 16.810 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. 0.012 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33



Tgt Ion:130 Resp: 2056370
Ion Ratio Lower Upper
130 100
95 116.9 97.4 146.0
132 93.3 77.5 116.3
97 78.6 63.0 94.4





#39

1,2-Dichloropropane

Concen: 14.791 ppbv

RT: 7.089 min Scan# 1

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 63 Resp: 125096

Ion Ratio Lower Upper

63 100

41 73.8 59.6 89.4

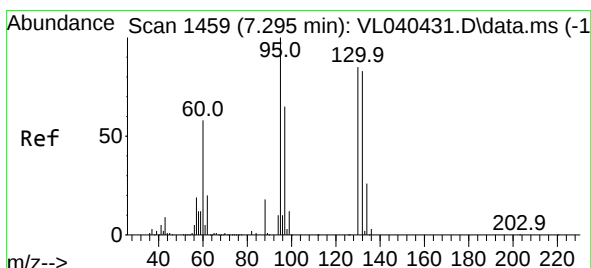
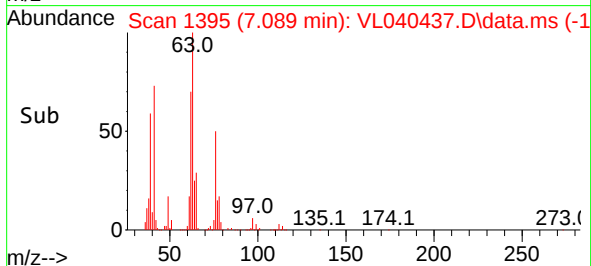
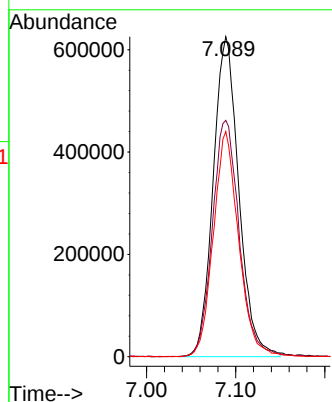
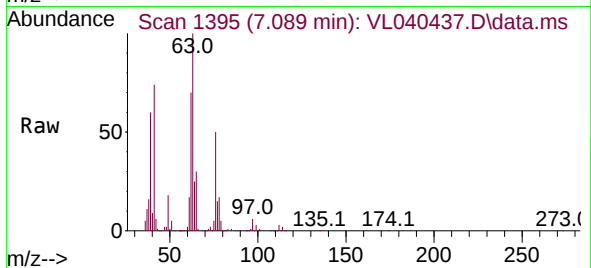
62 70.2 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#40

1,4-Dioxane

Concen: 15.061 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.007 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Tgt Ion: 88 Resp: 487849

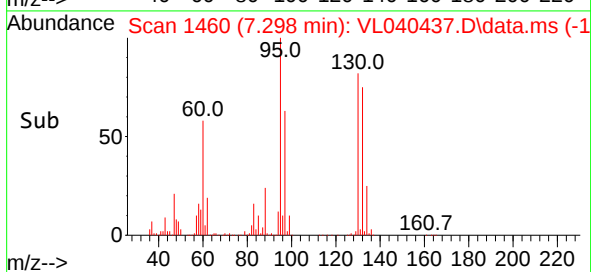
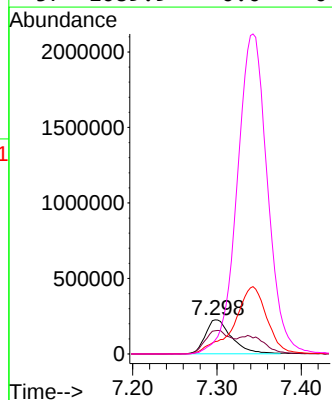
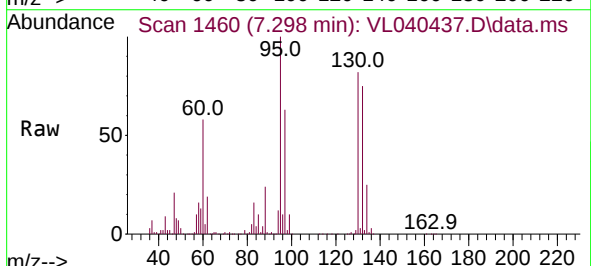
Ion Ratio Lower Upper

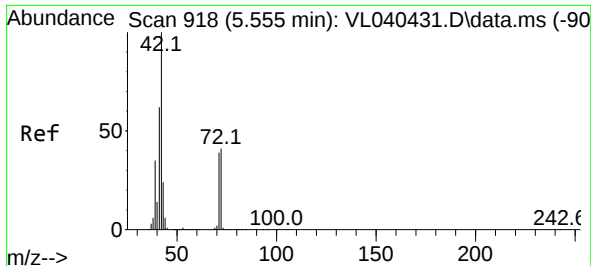
88 100

58 121.9 100.8 151.2

43 248.3 0.0 0.0#

57 1089.9 0.0 0.0#





#41

Tetrahydrofuran

Concen: 15.666 ppbv

RT: 5.565 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 121879

Ion Ratio Lower Upper

42 100

72 41.7 33.7 50.5

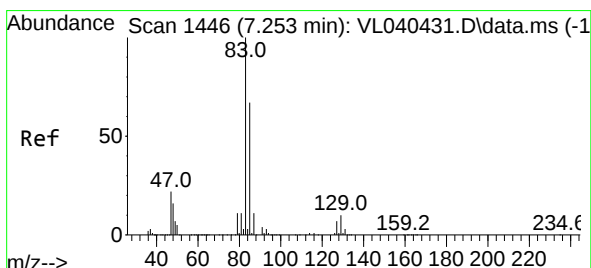
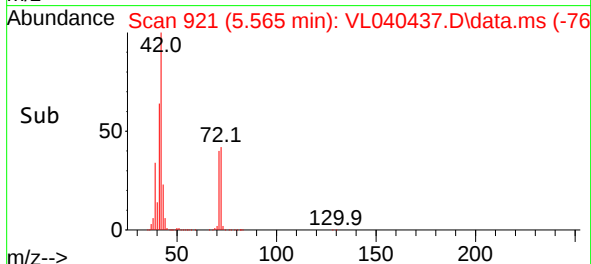
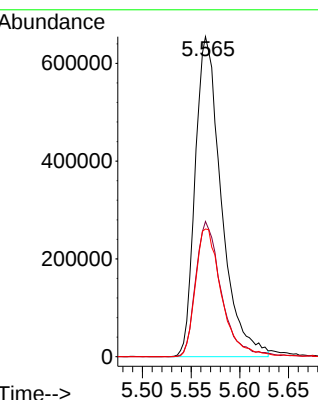
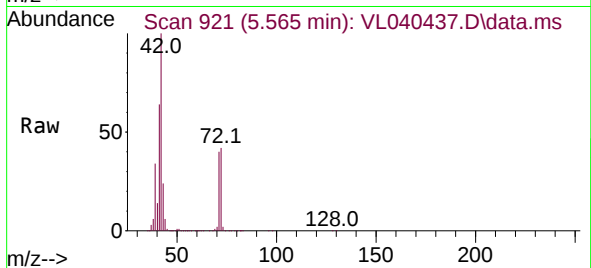
71 40.5 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#42

Bromodichloromethane

Concen: 15.432 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

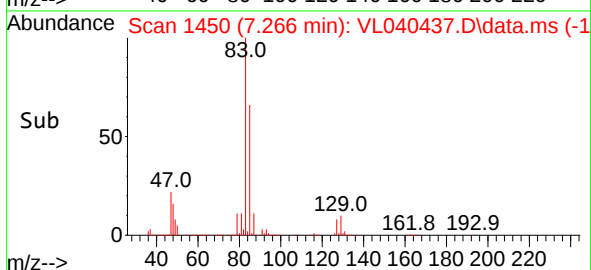
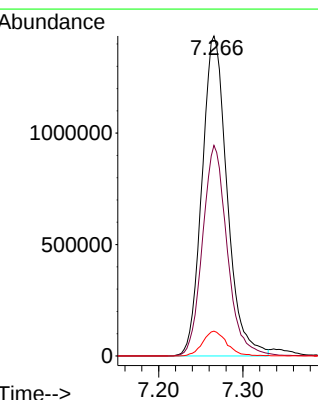
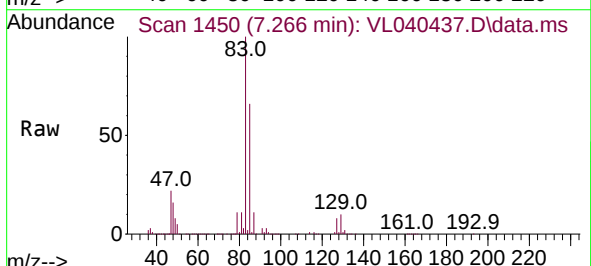
Tgt Ion: 83 Resp: 2975454

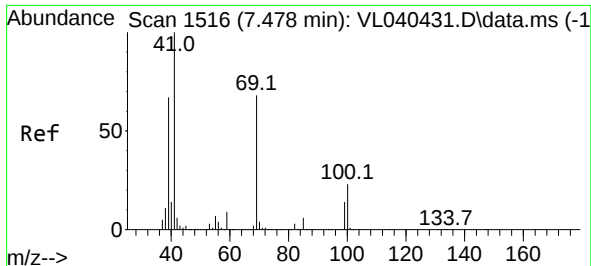
Ion Ratio Lower Upper

83 100

85 65.8 50.9 76.3

127 7.8 6.4 9.6





#43

Methyl Methacrylate

Concen: 16.605 ppbv

RT: 7.491 min Scan# 1520

Delta R.T. 0.016 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 69 Resp: 1325610

Ion Ratio Lower Upper

69 100

41 144.5 114.3 171.5

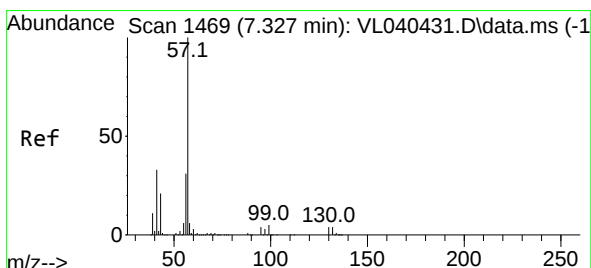
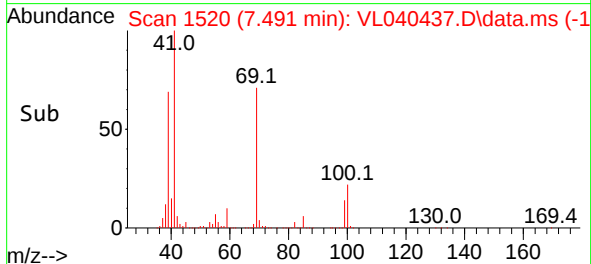
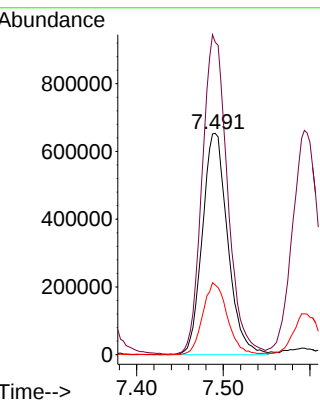
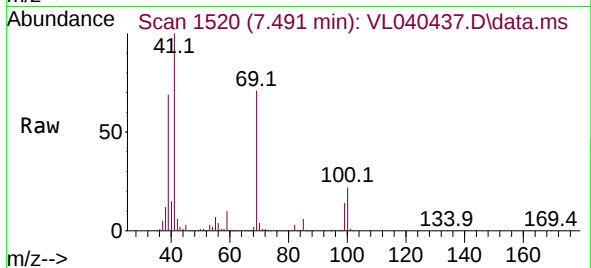
100 31.4 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#44

2,2,4-Trimethylpentane

Concen: 14.807 ppbv

RT: 7.343 min Scan# 1474

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

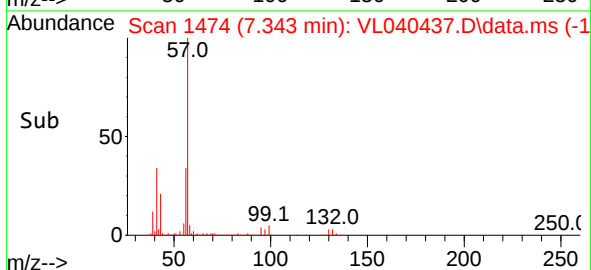
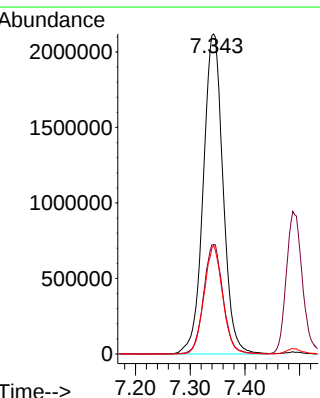
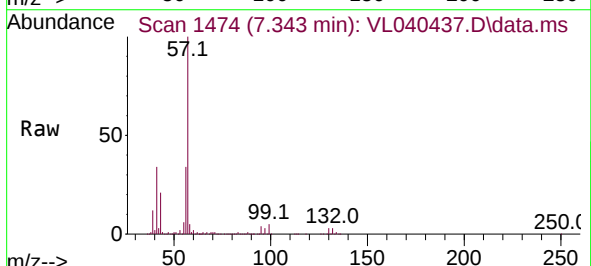
Tgt Ion: 57 Resp: 5315904

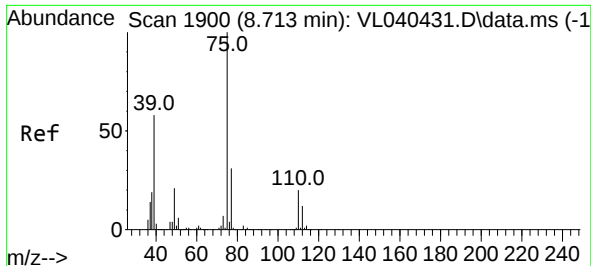
Ion Ratio Lower Upper

57 100

41 33.5 26.9 40.3

56 31.9 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 19.021 ppbv

RT: 8.725 min Scan# 1900

Delta R.T. 0.009 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 1356398

Ion Ratio Lower Upper

75 100

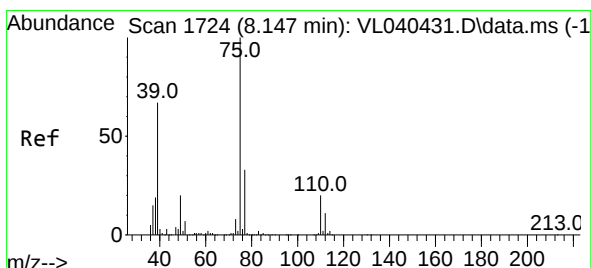
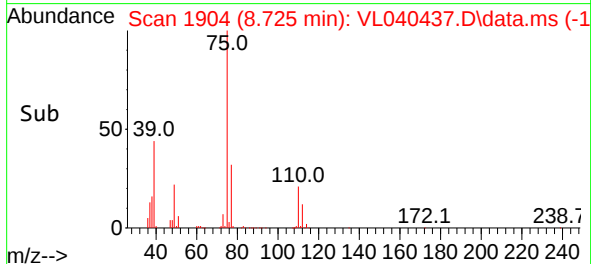
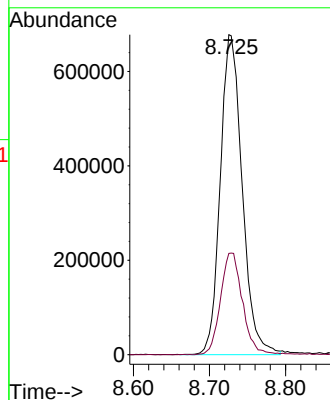
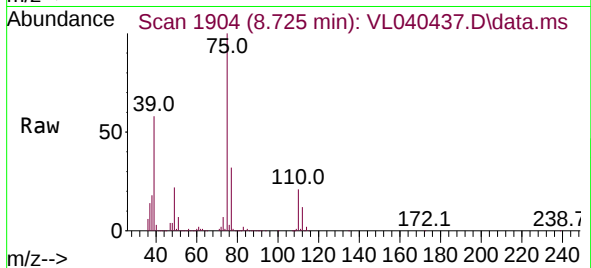
77 31.7 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#46

cis-1,3-Dichloropropene

Concen: 17.775 ppbv

RT: 8.159 min Scan# 1728

Delta R.T. 0.012 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

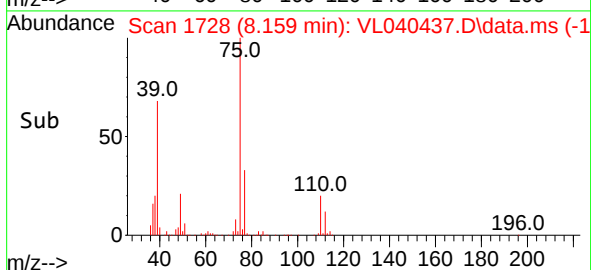
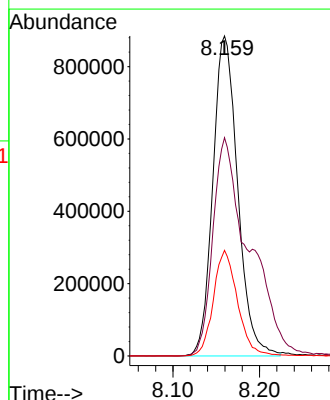
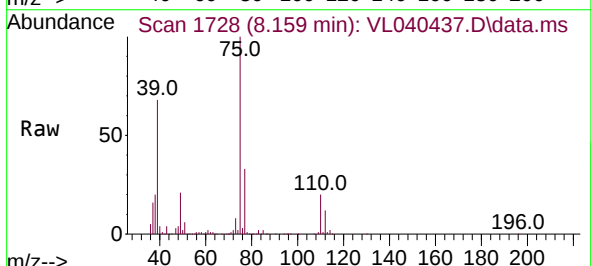
Tgt Ion: 75 Resp: 1764329

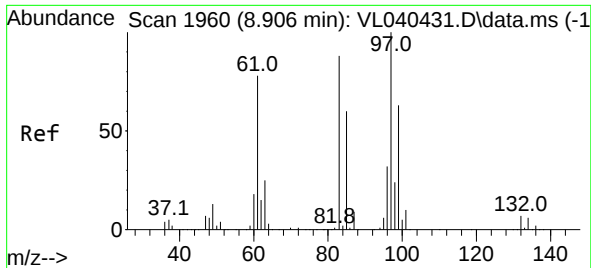
Ion Ratio Lower Upper

75 100

39 68.2 53.4 80.2

77 33.0 24.7 37.1





#47
1,1,2-Trichloroethane
Concen: 15.042 ppbv
RT: 8.918 min Scan# 1964
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

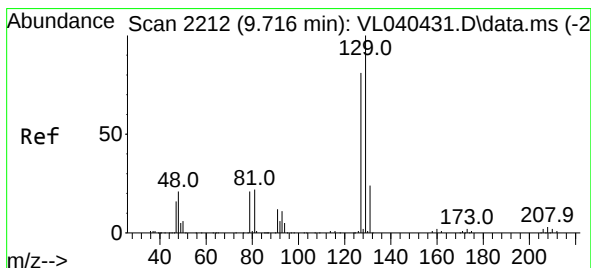
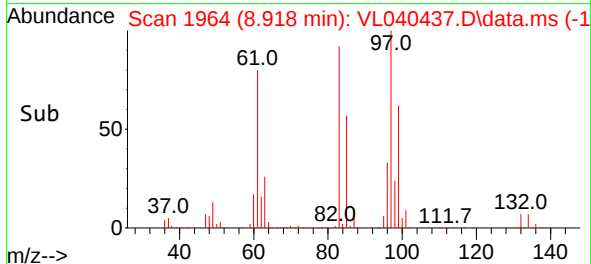
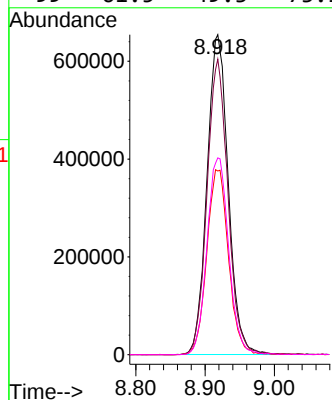
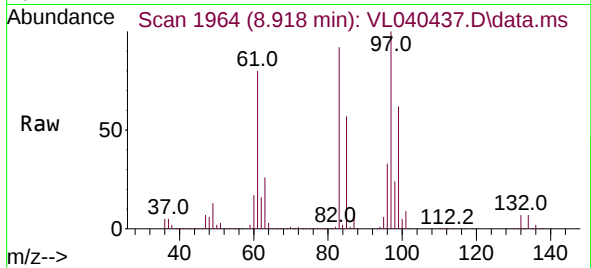
VSTDIC015

Tgt Ion: 97 Resp: 139486
Ion Ratio Lower Upper
97 100
83 92.3 73.3 109.9
85 57.3 46.9 70.3
99 61.5 49.3 73.9

Manual Integrations

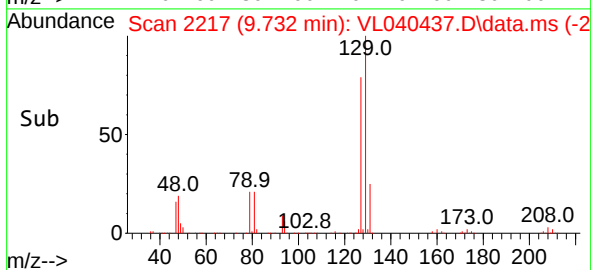
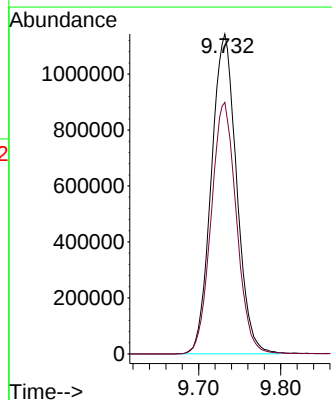
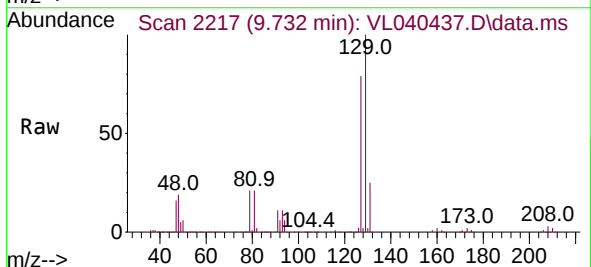
APPROVED

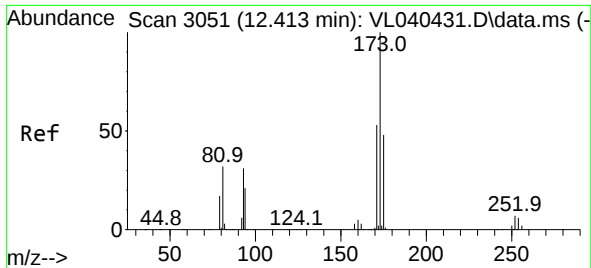
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#48
Dibromochloromethane
Concen: 16.356 ppbv
RT: 9.732 min Scan# 2217
Delta R.T. 0.016 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

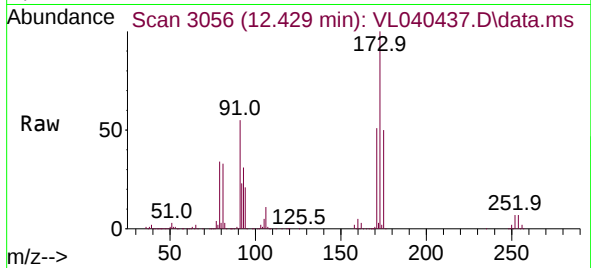
Tgt Ion:129 Resp: 2442545
Ion Ratio Lower Upper
129 100
127 78.8 39.2 117.6





#49
Bromoform
Concen: 17.311 ppbv
RT: 12.429 min Scan# 3051
Delta R.T. 0.012 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

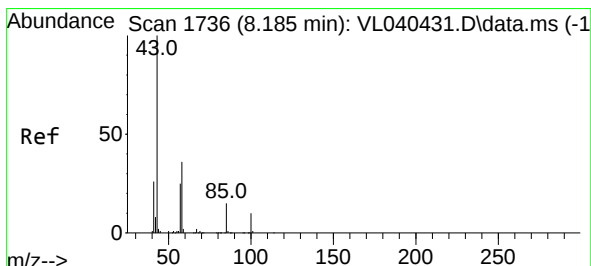
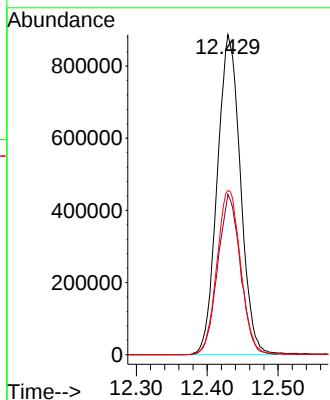
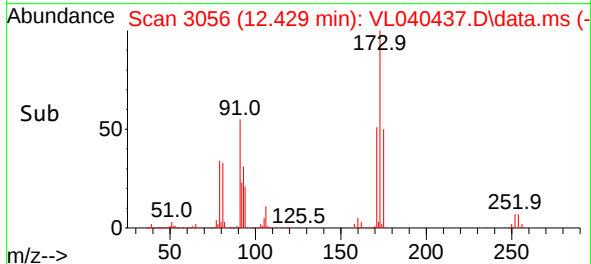
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



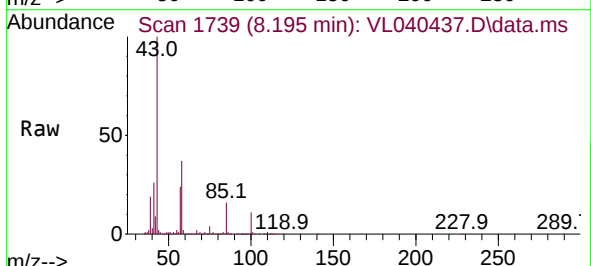
Tgt Ion:173 Resp: 2016370
Ion Ratio Lower Upper
173 100
175 49.3 39.8 59.8
171 52.8 42.2 63.2

Manual Integrations
APPROVED

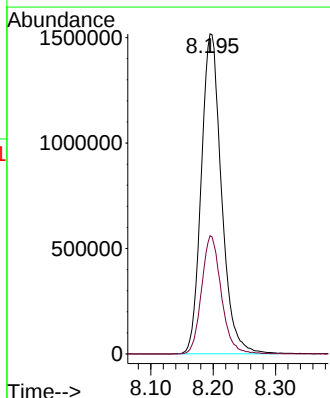
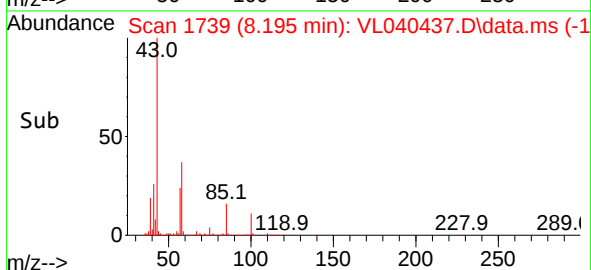
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

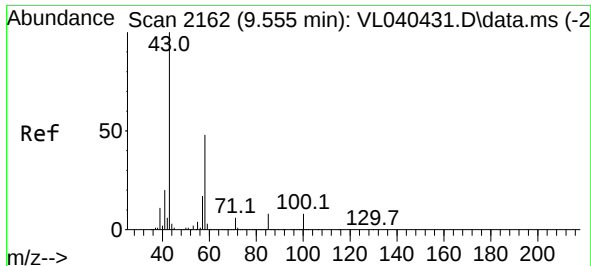


#50
4-Methyl-2-Pentanone
Concen: 15.887 ppbv
RT: 8.195 min Scan# 1739
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33



Tgt Ion: 43 Resp: 3421966
Ion Ratio Lower Upper
43 100
58 36.0 28.6 43.0





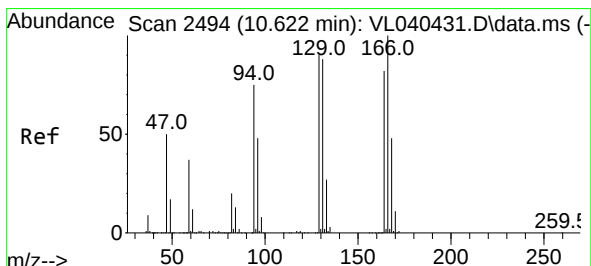
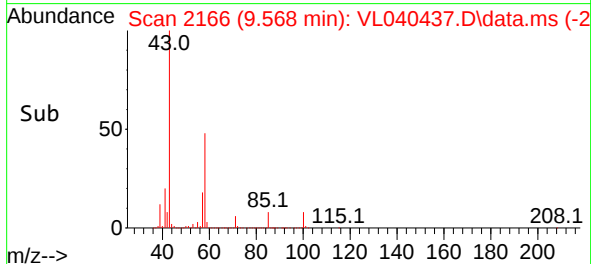
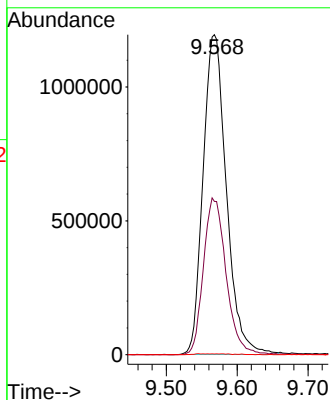
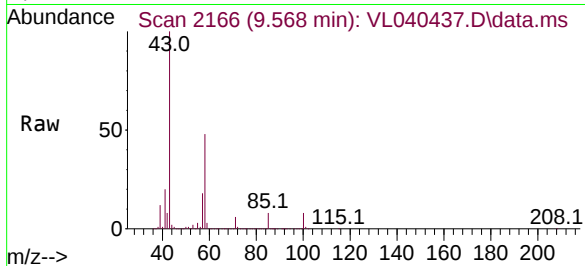
#51
2-Hexanone
Concen: 17.130 ppbv
RT: 9.568 min Scan# 2166
Delta R.T. 0.010 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 272639
Ion Ratio Lower Upper
43 100
58 47.9 38.3 57.5
98 0.4 0.4 0.6

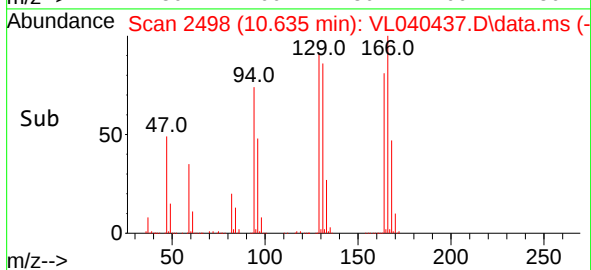
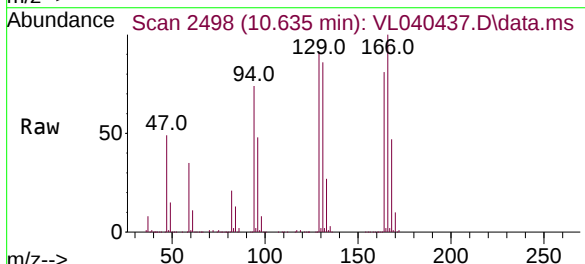
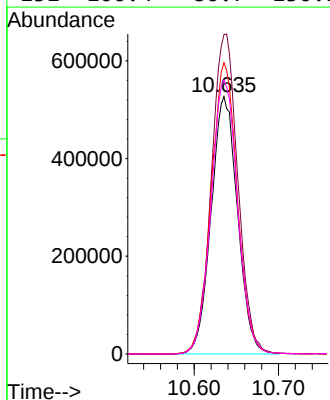
Manual Integrations
APPROVED

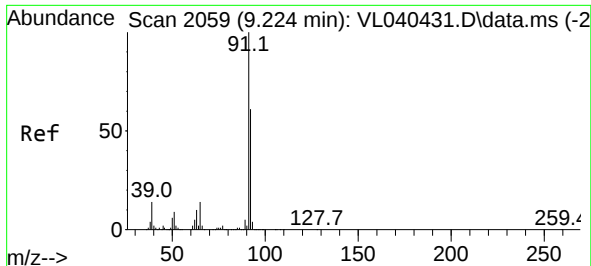
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#52
Tetrachloroethene
Concen: 17.009 ppbv
RT: 10.635 min Scan# 2498
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

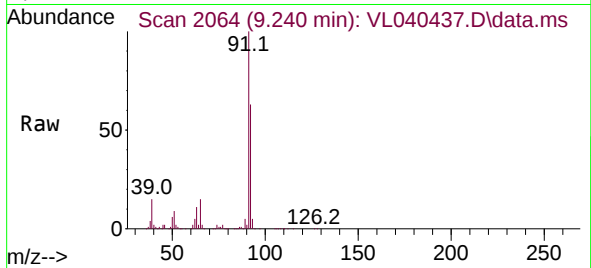
Tgt Ion:164 Resp: 1143593
Ion Ratio Lower Upper
164 100
166 123.9 105.2 157.8
129 112.9 90.3 135.5
131 106.4 86.7 130.1





#53
Toluene
Concen: 16.528 ppbv
RT: 9.240 min Scan# 2059
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

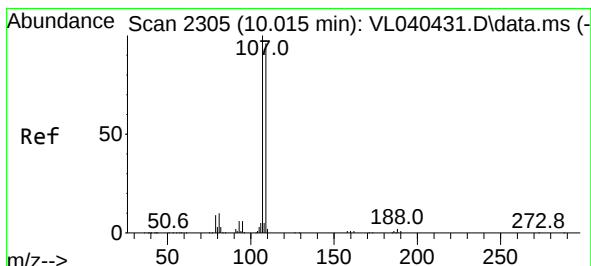
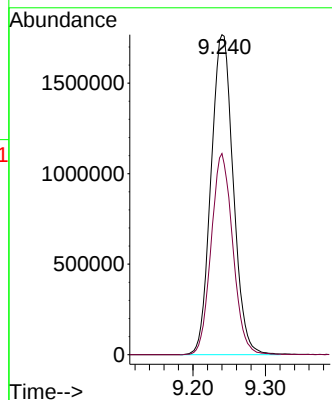
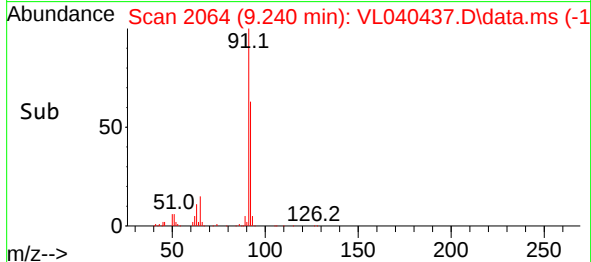
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



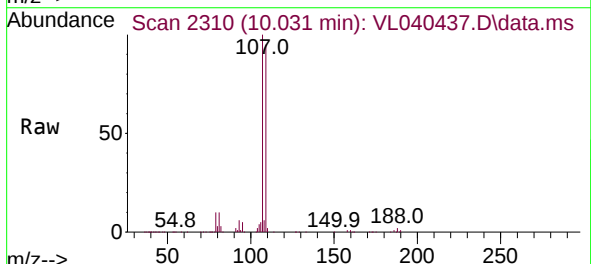
Tgt Ion: 91 Resp: 376628
Ion Ratio Lower Upper
91 100
92 61.2 48.9 73.3

Manual Integrations
APPROVED

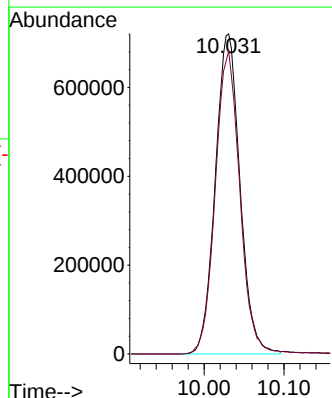
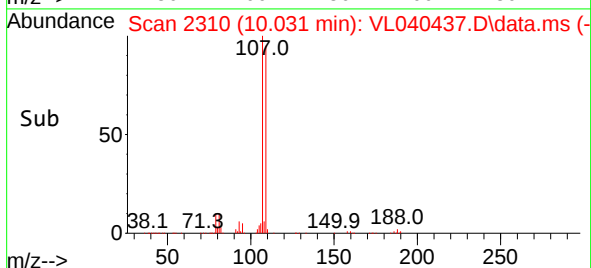
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

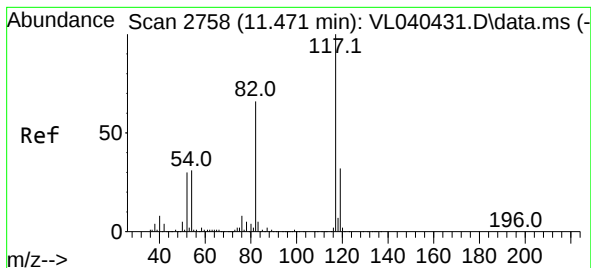


#54
1,2-Dibromoethane
Concen: 16.424 ppbv
RT: 10.031 min Scan# 2310
Delta R.T. 0.016 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33



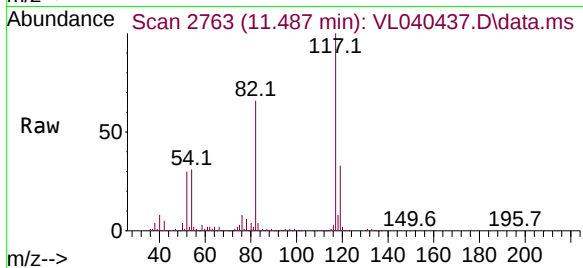
Tgt Ion:107 Resp: 1544105
Ion Ratio Lower Upper
107 100
109 94.6 73.6 110.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 2758
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

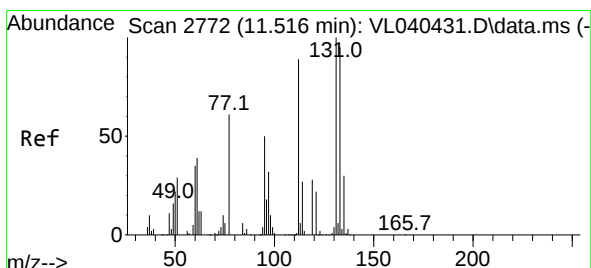
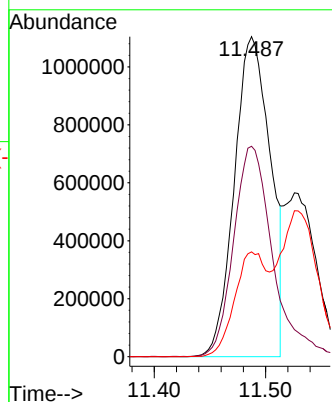
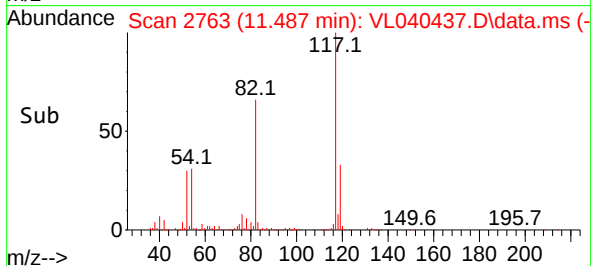
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



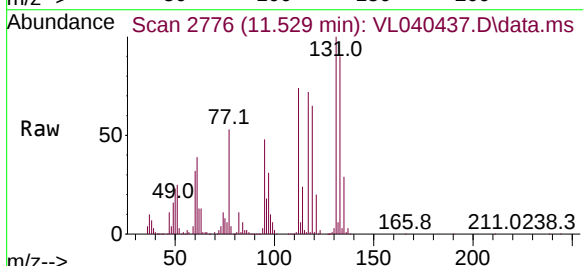
Tgt Ion:117 Resp: 2485730
Ion Ratio Lower Upper
117 100
82 71.7 52.5 78.7
119 31.5 24.3 36.5

Manual Integrations
APPROVED

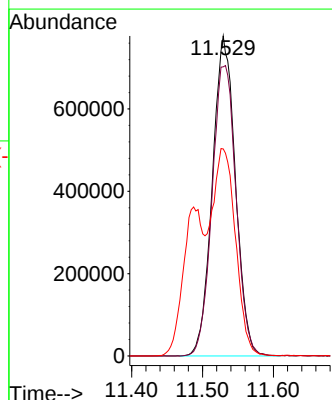
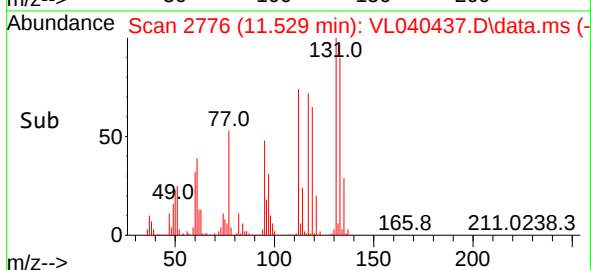
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

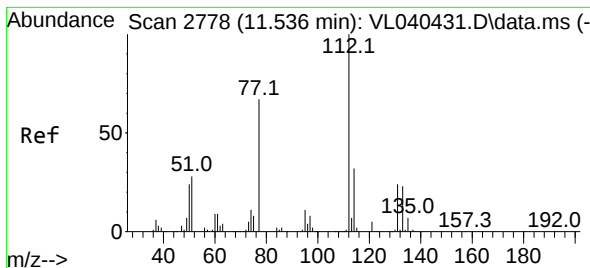


#56
1,1,1,2-Tetrachloroethane
Concen: 15.466 ppbv
RT: 11.529 min Scan# 2776
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33



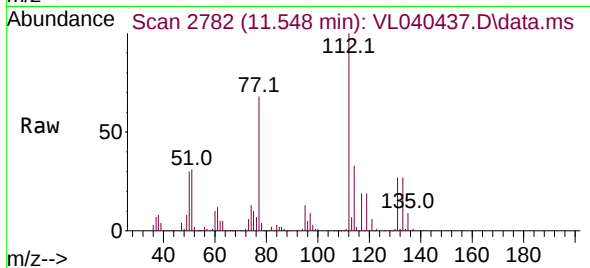
Tgt Ion:131 Resp: 1754765
Ion Ratio Lower Upper
131 100
133 94.6 75.3 112.9
119 71.4 53.9 80.9





#57
Chlorobenzene
Concen: 15.308 ppbv
RT: 11.548 min Scan# 21
Delta R.T. 0.012 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

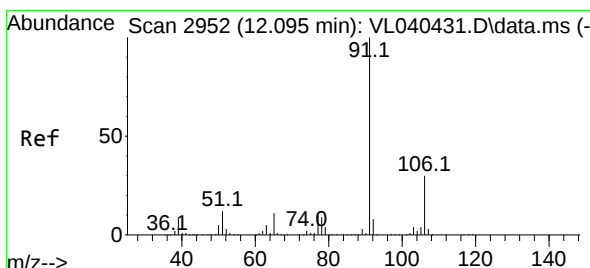
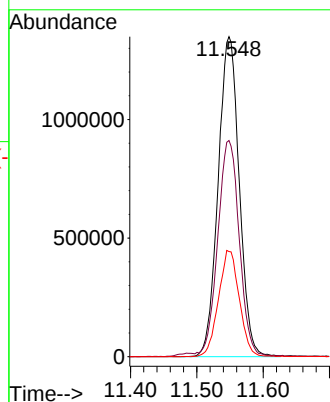
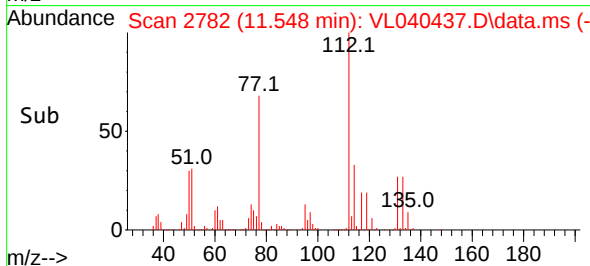
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:112 Resp: 297928
Ion Ratio Lower Upper
112 100
77 67.3 55.8 83.8
114 32.8 29.1 35.5

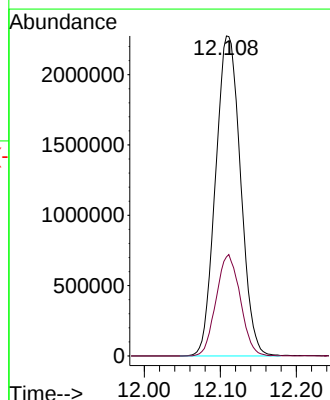
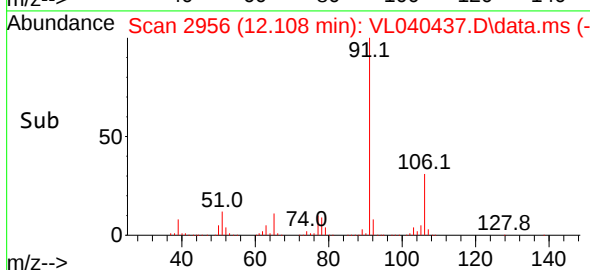
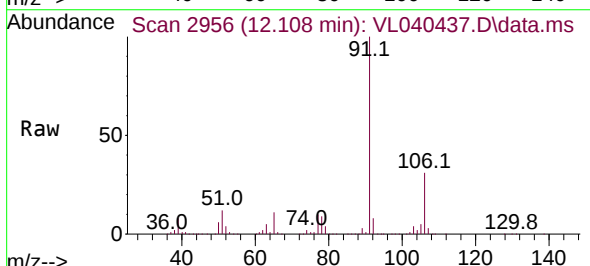
Manual Integrations
APPROVED

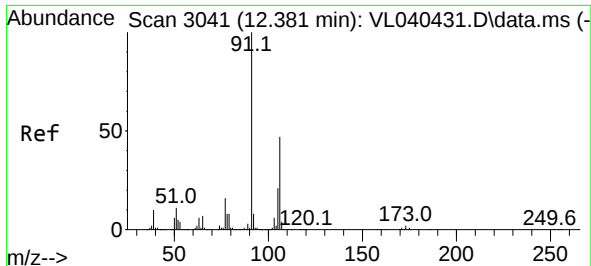
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#58
Ethyl Benzene
Concen: 16.965 ppbv
RT: 12.108 min Scan# 2956
Delta R.T. 0.010 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

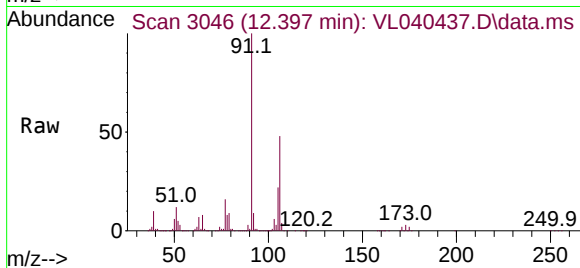
Tgt Ion: 91 Resp: 5187427
Ion Ratio Lower Upper
91 100
106 30.9 23.5 35.3





#59
m/p-Xylene
Concen: 32.274 ppbv m
RT: 12.397 min Scan# 3046
Delta R.T. 0.016 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

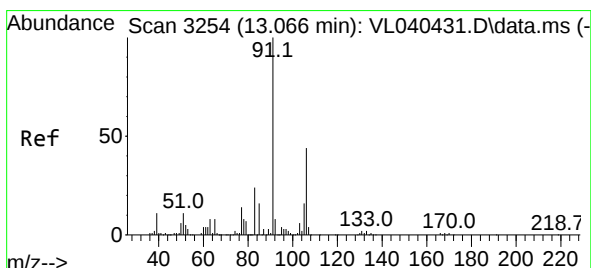
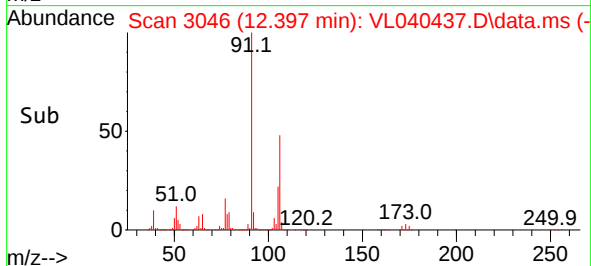
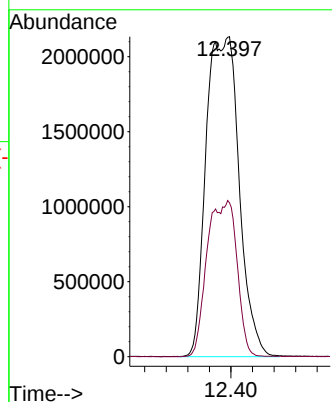
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 91 Resp: 907536
Ion Ratio Lower Upper
91 100
106 44.1 34.7 52.1

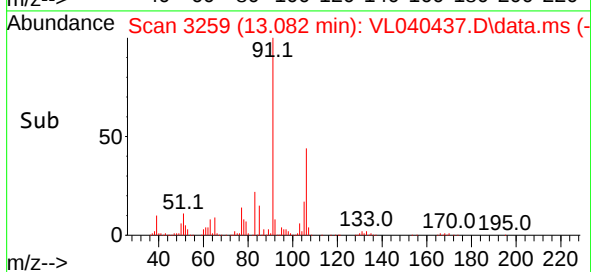
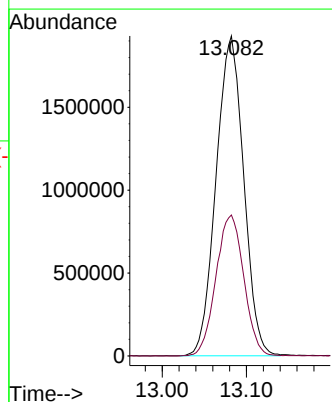
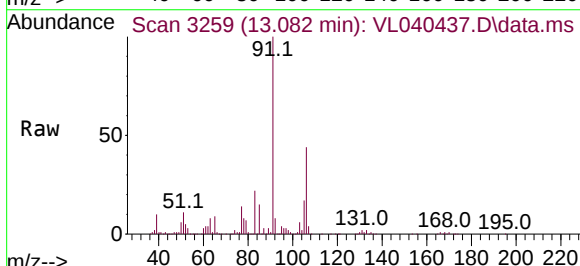
Manual Integrations
APPROVED

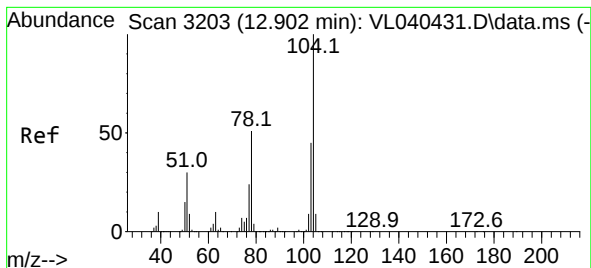
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#60
o-Xylene
Concen: 16.231 ppbv
RT: 13.082 min Scan# 3259
Delta R.T. 0.016 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

Tgt Ion: 91 Resp: 4380359
Ion Ratio Lower Upper
91 100
106 44.5 21.9 65.8





#61

Styrene

Concen: 19.122 ppbv

RT: 12.921 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:104 Resp: 2584990

Ion Ratio Lower Upper

104 100

78 53.4 43.4 65.0

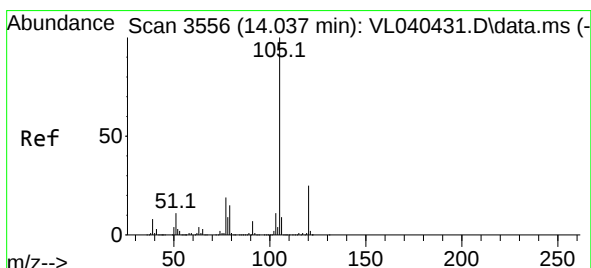
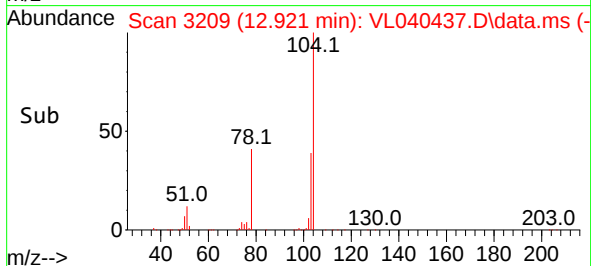
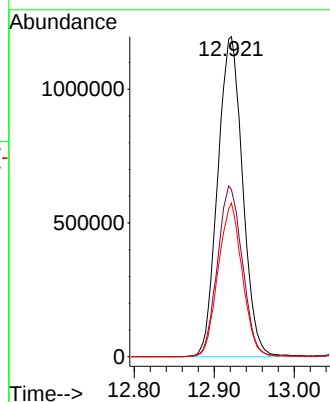
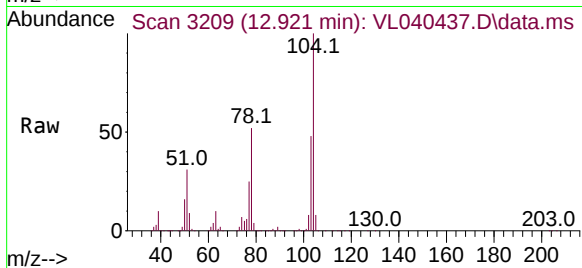
103 46.6 37.0 55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#62

Isopropylbenzene

Concen: 15.778 ppbv

RT: 14.053 min Scan# 3561

Delta R.T. 0.013 min

Lab File: VL040437.D

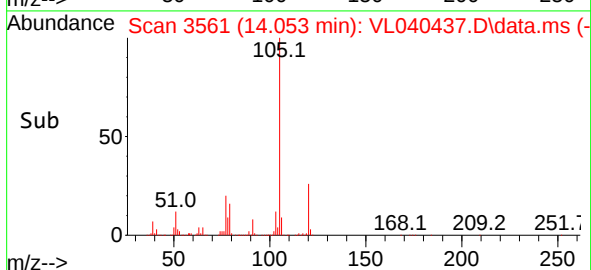
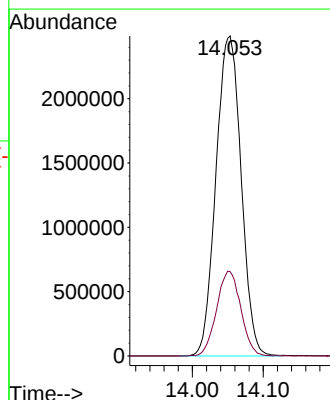
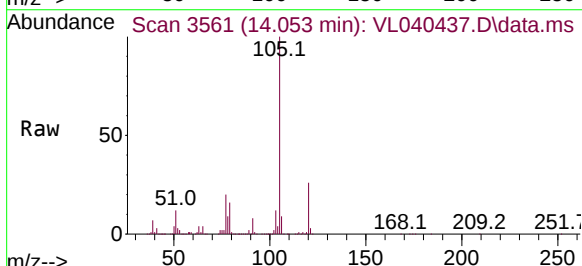
Acq: 16 May 2023 13:33

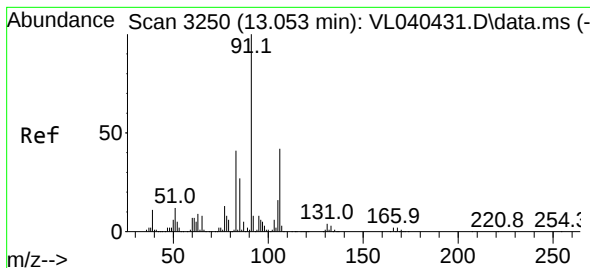
Tgt Ion:105 Resp: 6132180

Ion Ratio Lower Upper

105 100

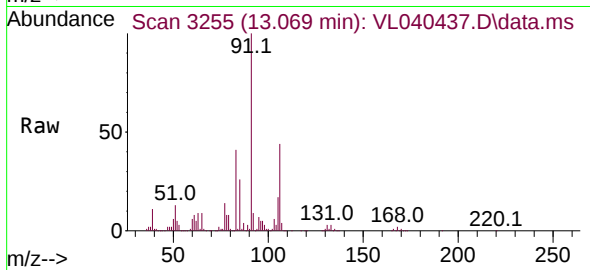
120 25.6 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 13.512 ppbv
RT: 13.069 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

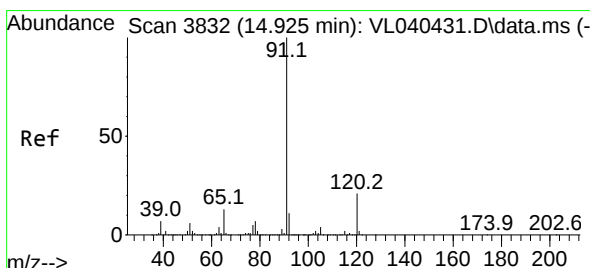
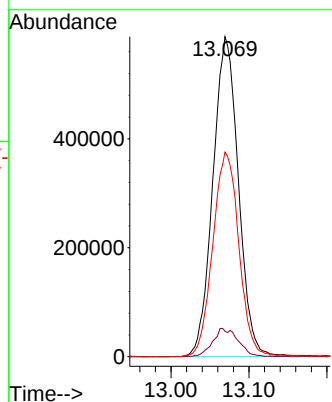
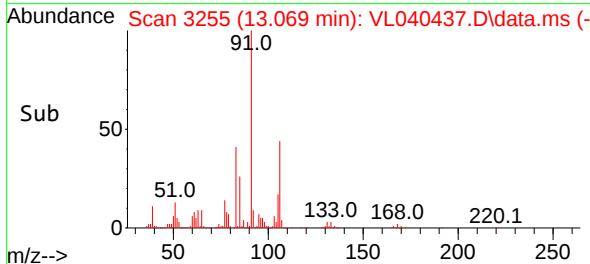
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



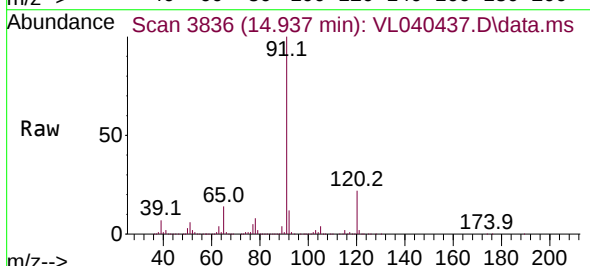
Tgt Ion: 83 Resp: 133451
Ion Ratio Lower Upper
83 100
131 8.9 4.3 13.1
85 66.0 32.9 98.6

Manual Integrations
APPROVED

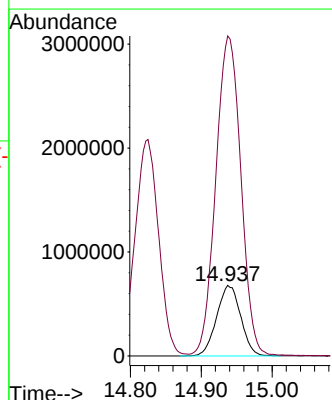
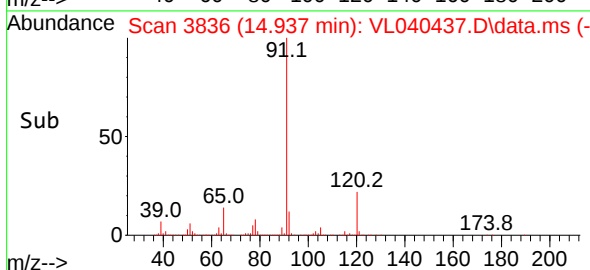
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

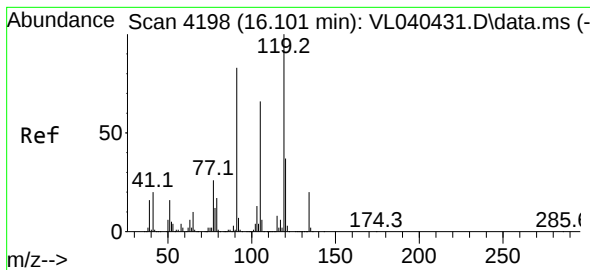


#64
n-propylbenzene
Concen: 16.727 ppbv
RT: 14.937 min Scan# 3836
Delta R.T. 0.009 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33



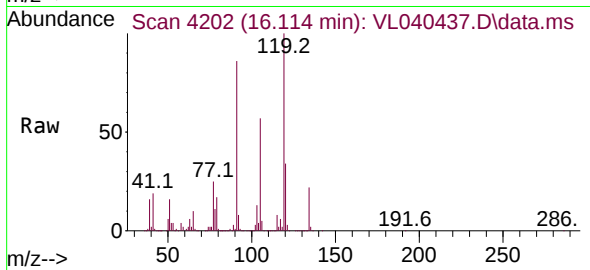
Tgt Ion:120 Resp: 1599695
Ion Ratio Lower Upper
120 100
91 475.2 397.4 596.0





#65
tert-Butylbenzene
Concen: 15.723 ppbv
RT: 16.114 min Scan# 4198
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

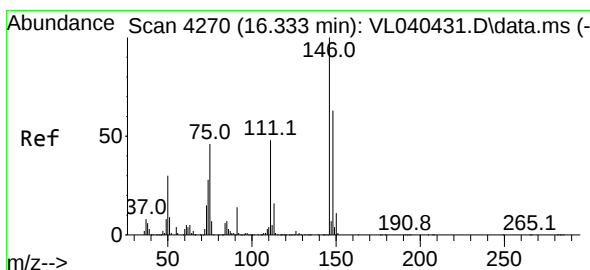
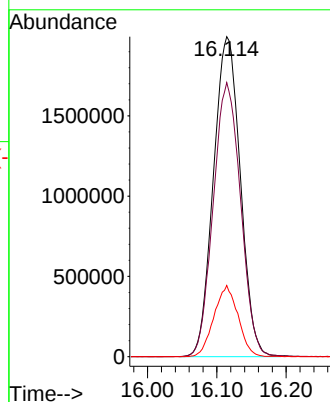
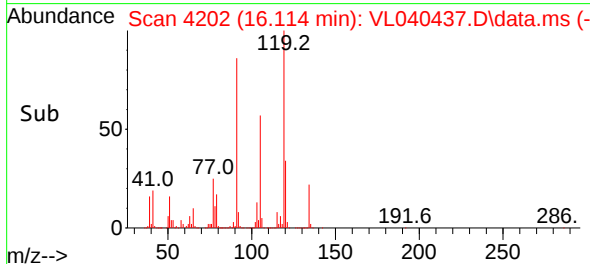
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



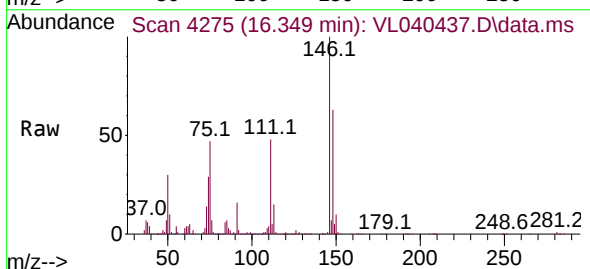
Tgt Ion: 119 Resp: 5376528
Ion Ratio Lower Upper
119 100
91 87.2 70.1 105.1
134 20.0 15.6 23.4

Manual Integrations
APPROVED

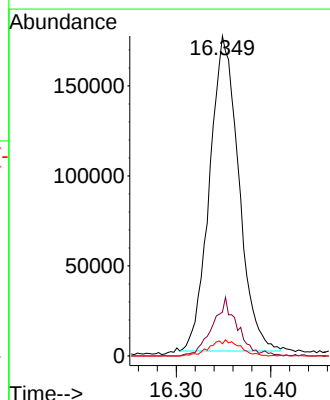
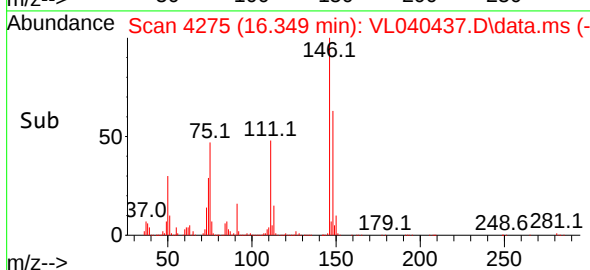
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

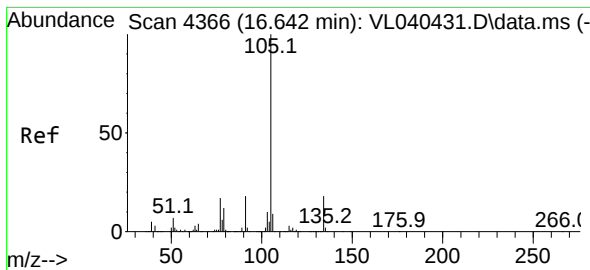


#66
Benzyl Chloride
Concen: 17.699 ppbv
RT: 16.349 min Scan# 4275
Delta R.T. 0.010 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33



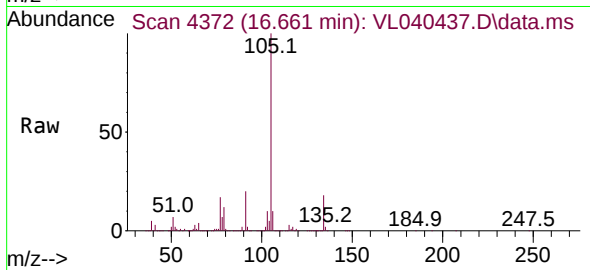
Tgt Ion: 91 Resp: 374708
Ion Ratio Lower Upper
91 100
126 16.1 12.3 18.5
128 5.3 4.1 6.1





#67
 sec-Butylbenzene
 Concen: 15.447 ppbv
 RT: 16.661 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL040437.D
 Acq: 16 May 2023 13:33

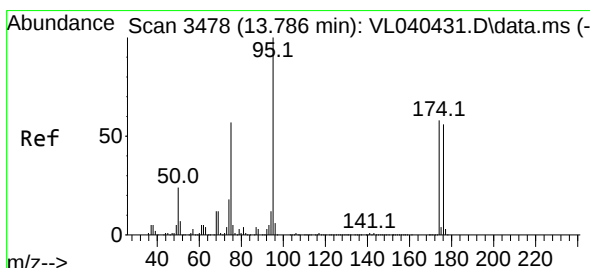
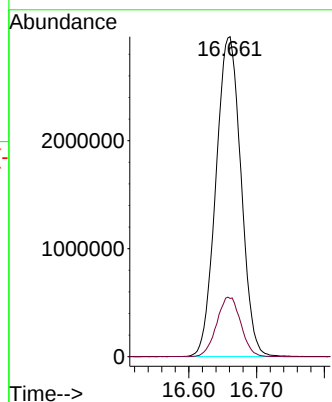
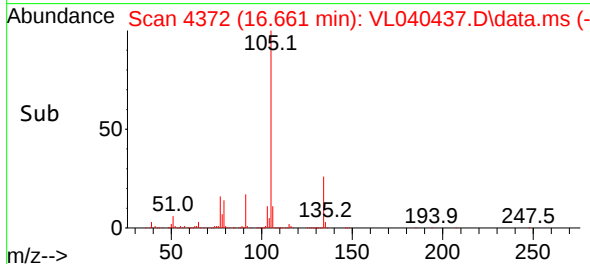
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:105 Resp: 7586730
 Ion Ratio Lower Upper
 105 100
 134 18.1 13.8 20.6

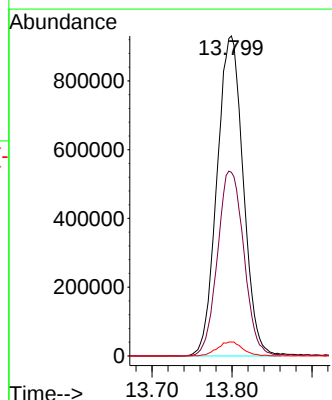
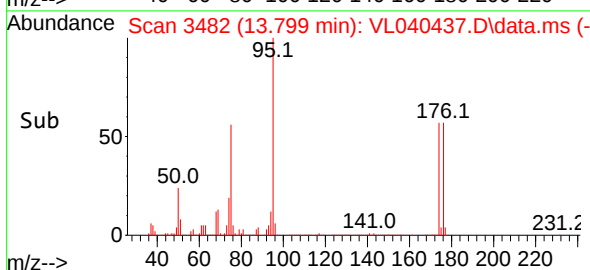
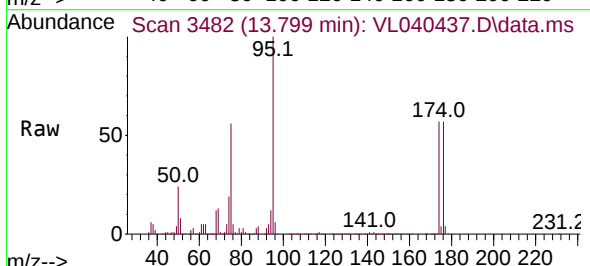
Manual Integrations
 APPROVED

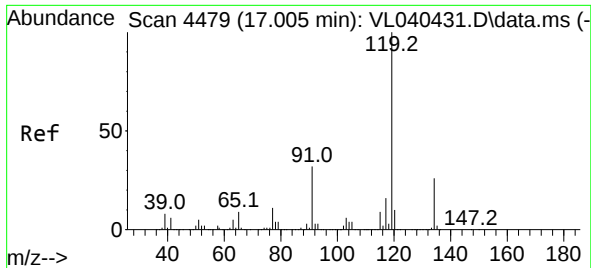
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.302 ppbv
 RT: 13.799 min Scan# 3482
 Delta R.T. 0.013 min
 Lab File: VL040437.D
 Acq: 16 May 2023 13:33

Tgt Ion: 95 Resp: 2117523
 Ion Ratio Lower Upper
 95 100
 174 58.8 47.2 70.8
 175 4.3 3.5 5.3





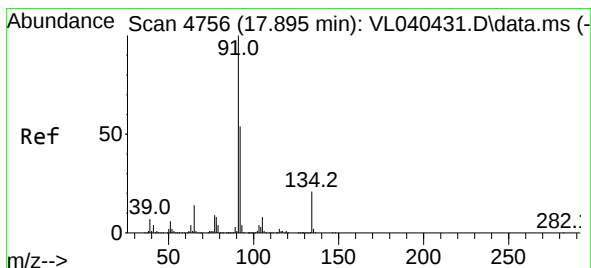
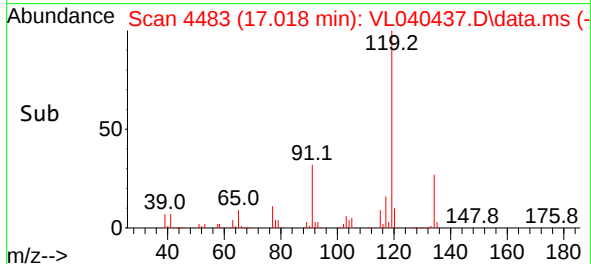
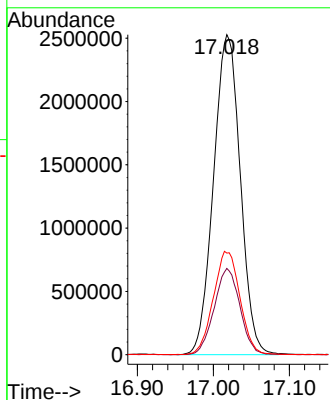
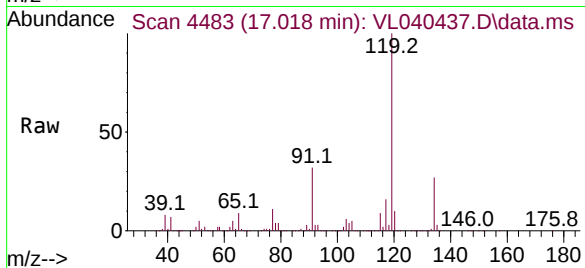
#69
p-Isopropyltoluene
Concen: 16.085 ppbv
RT: 17.018 min Scan# 4479
Delta R.T. 0.010 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:119 Resp: 616885
Ion Ratio Lower Upper
119 100
134 26.0 20.2 30.4
91 32.2 25.7 38.5

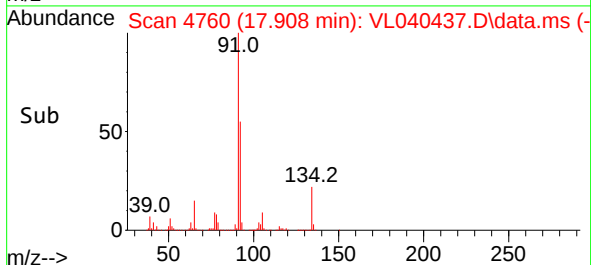
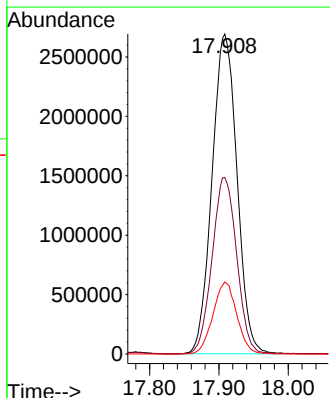
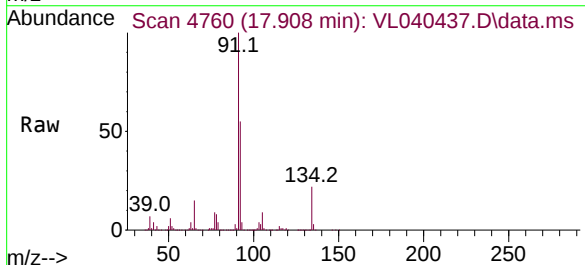
Manual Integrations
APPROVED

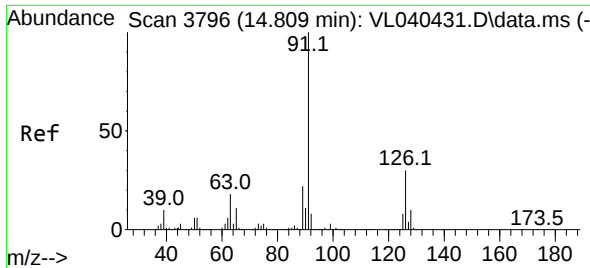
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#70
n-Butylbenzene
Concen: 15.871 ppbv
RT: 17.908 min Scan# 4760
Delta R.T. 0.009 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

Tgt Ion: 91 Resp: 6747437
Ion Ratio Lower Upper
91 100
92 54.5 43.0 64.4
134 21.5 16.6 25.0





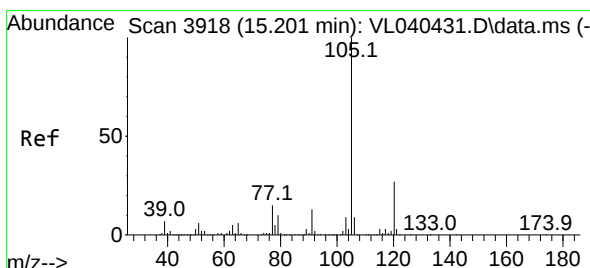
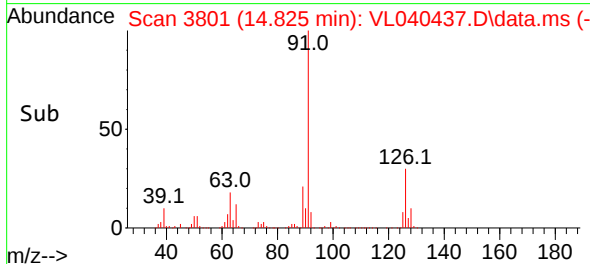
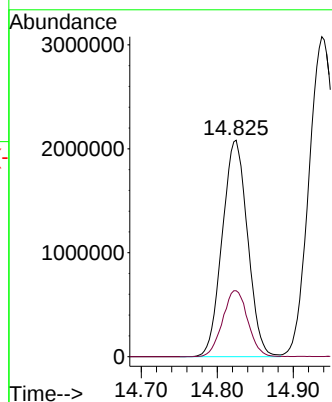
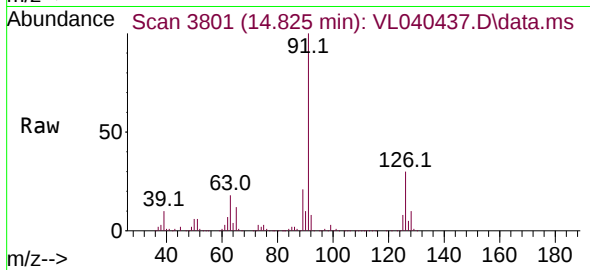
#71
2-Chlorotoluene
Concen: 16.162 ppbv
RT: 14.825 min Scan# 3801
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 482254
Ion Ratio Lower Upper
91 100
126 30.4 11.8 47.4

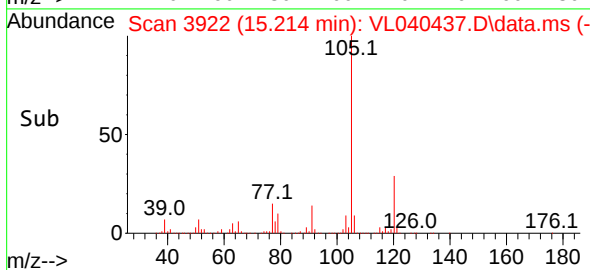
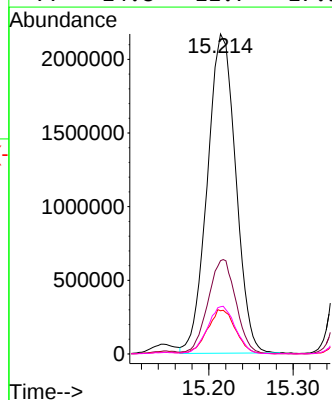
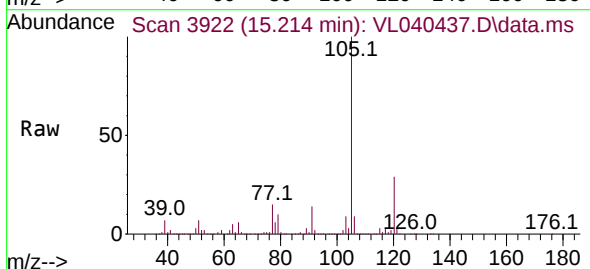
Manual Integrations
APPROVED

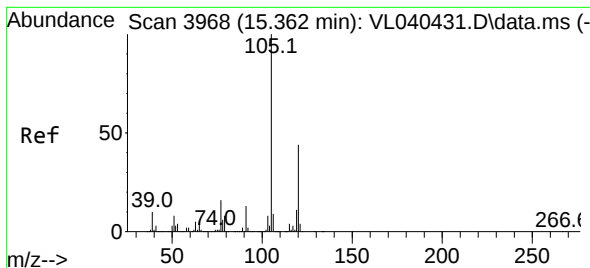
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#72
4-Ethyltoluene
Concen: 17.031 ppbv
RT: 15.214 min Scan# 3922
Delta R.T. 0.010 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

Tgt Ion:105 Resp: 5074092
Ion Ratio Lower Upper
105 100
120 29.3 23.0 34.6
91 13.6 11.3 16.9
77 14.8 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 16.407 ppbv

RT: 15.375 min Scan# 3968

Delta R.T. 0.013 min

Lab File: VL040437.D

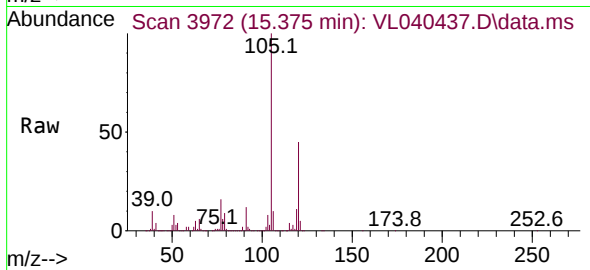
Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:105 Resp: 4515330

Ion Ratio Lower Upper

105 100

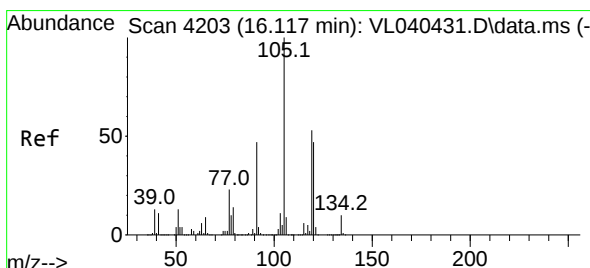
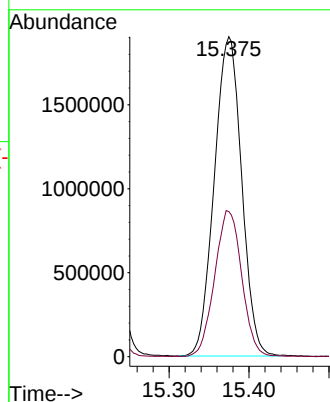
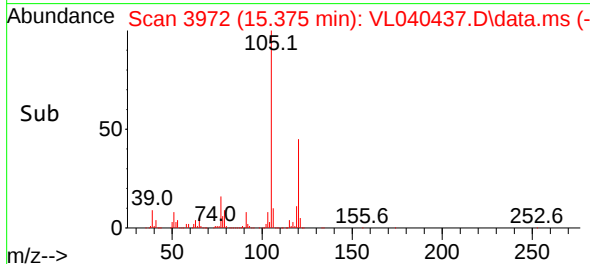
120 45.4 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#74

1,2,4-Trimethylbenzene

Concen: 15.699 ppbv

RT: 16.133 min Scan# 4208

Delta R.T. 0.016 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Tgt Ion:105 Resp: 4938140

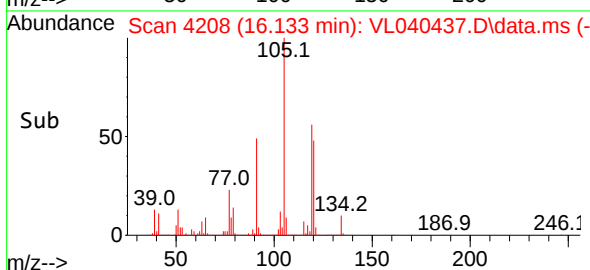
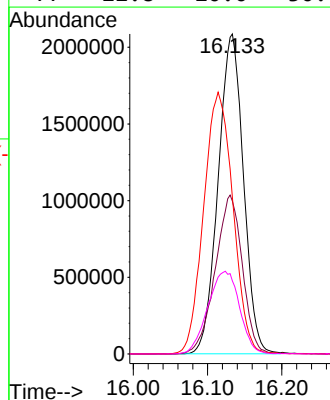
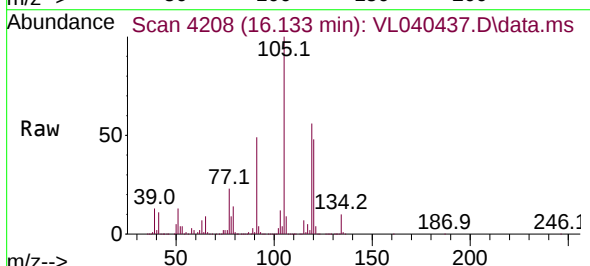
Ion Ratio Lower Upper

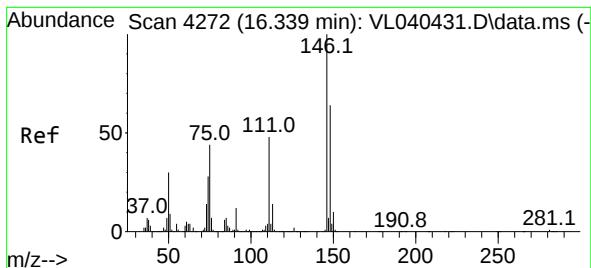
105 100

120 47.7 38.9 58.3

91 48.9 46.0 69.0

77 22.8 20.0 30.0





#75

1,3-Dichlorobenzene

Concen: 16.167 ppbv

RT: 16.355 min Scan# 4321

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 2785449

Ion Ratio Lower Upper

146 100

111 48.5 24.6 74.0

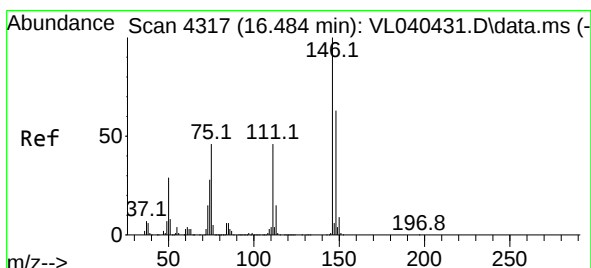
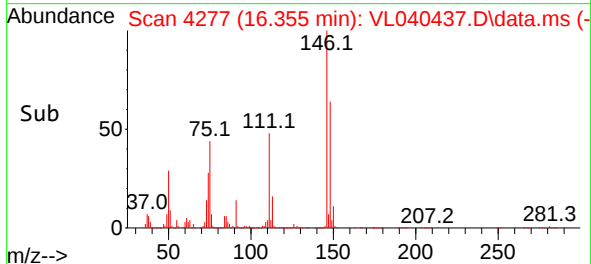
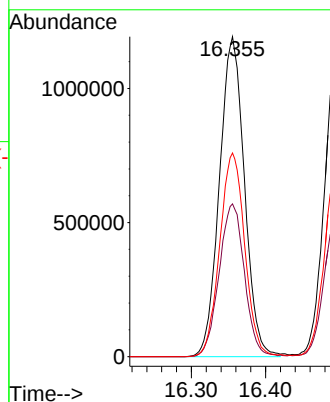
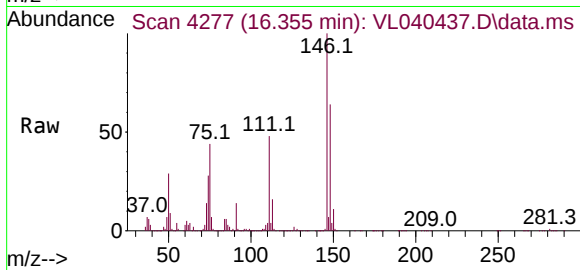
148 63.9 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#76

1,4-Dichlorobenzene

Concen: 15.982 ppbv

RT: 16.497 min Scan# 4321

Delta R.T. 0.013 min

Lab File: VL040437.D

Acq: 16 May 2023 13:33

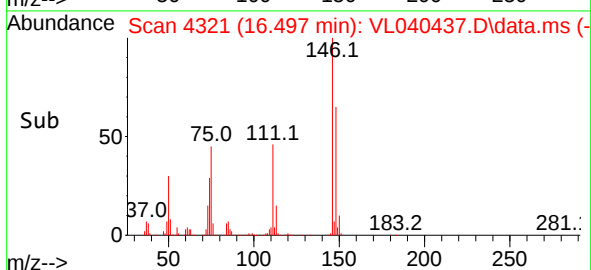
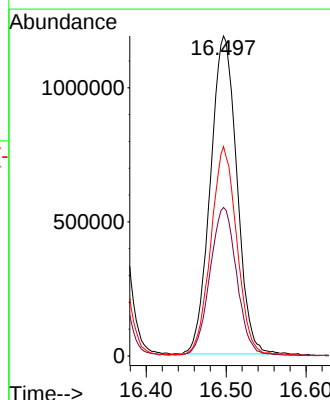
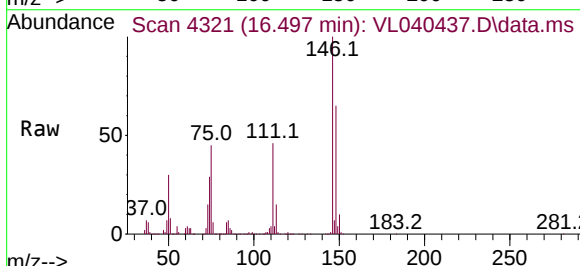
Tgt Ion:146 Resp: 2720564

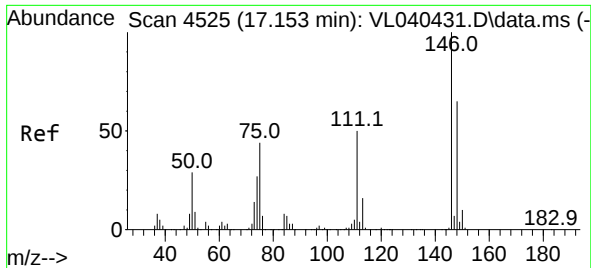
Ion Ratio Lower Upper

146 100

111 47.7 23.8 71.4

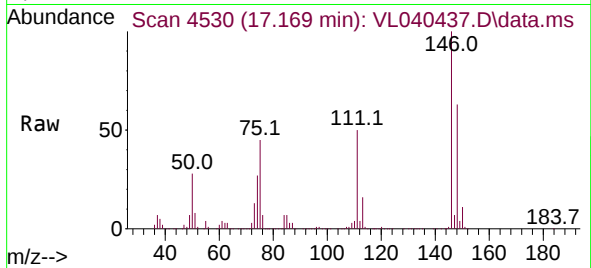
148 65.5 32.4 97.2





#77
1,2-Dichlorobenzene
Concen: 15.608 ppbv
RT: 17.169 min Scan# 4530
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

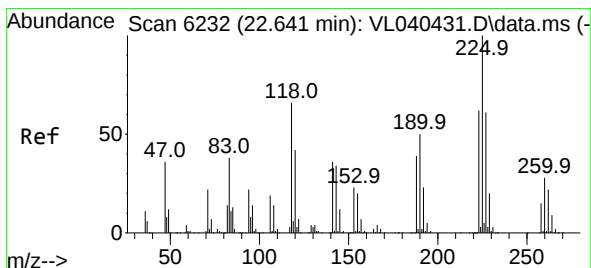
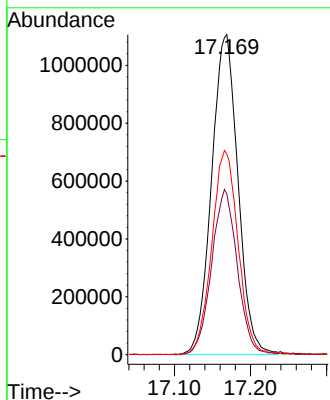
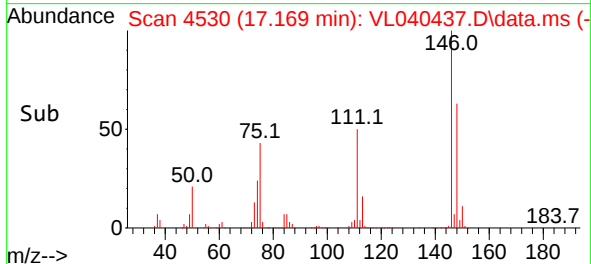
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



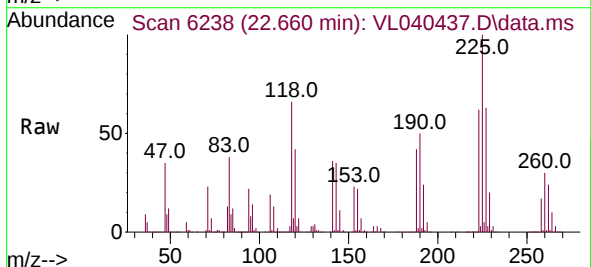
Tgt Ion:146 Resp: 265898
Ion Ratio Lower Upper
146 100
111 50.5 25.4 76.0
148 63.9 32.0 96.2

Manual Integrations
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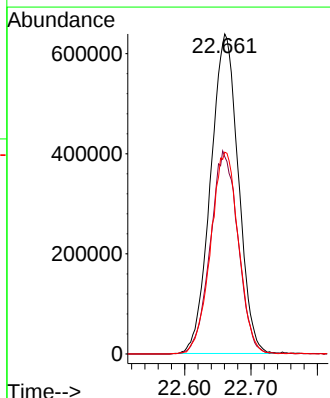
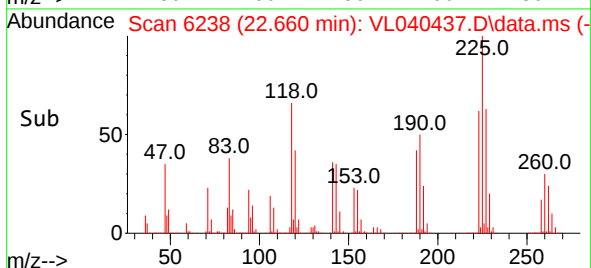
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

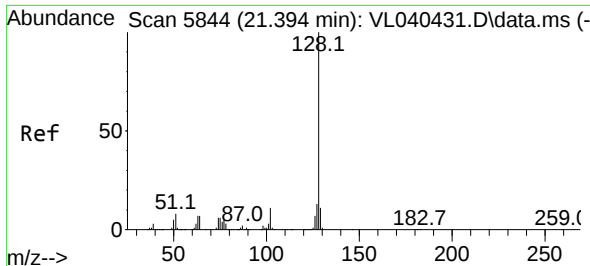


#78
Hexachloro-1,3-Butadiene
Concen: 13.560 ppbv
RT: 22.660 min Scan# 6238
Delta R.T. 0.012 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33



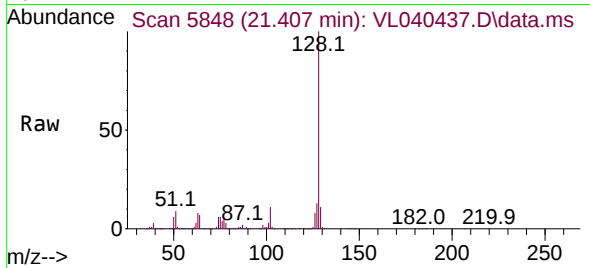
Tgt Ion:225 Resp: 1851994
Ion Ratio Lower Upper
225 100
223 63.9 50.7 76.1
227 63.7 51.0 76.4





#79
Naphthalene
Concen: 18.414 ppbv
RT: 21.407 min Scan# 5848
Delta R.T. 0.013 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33

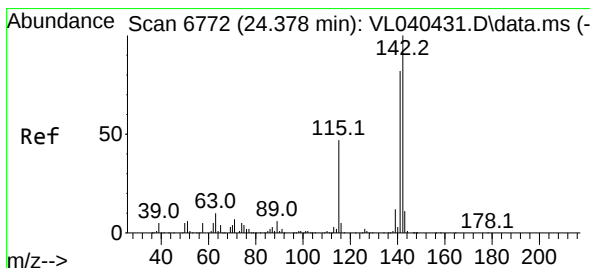
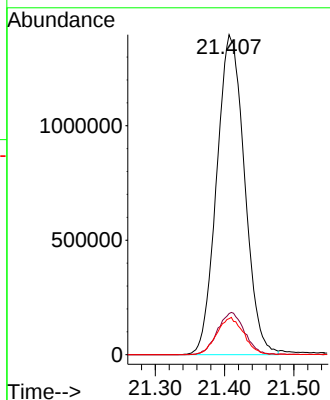
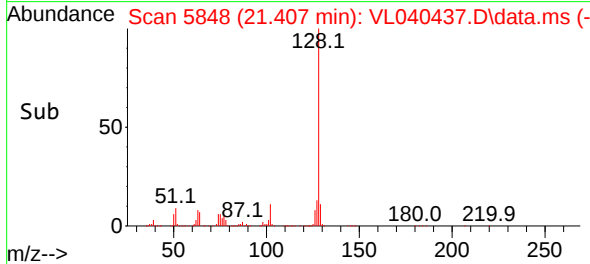
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



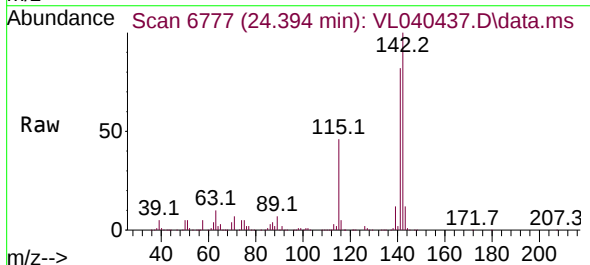
Tgt Ion:128 Resp: 3909872
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 11.2 9.4 14.0

Manual Integrations
APPROVED

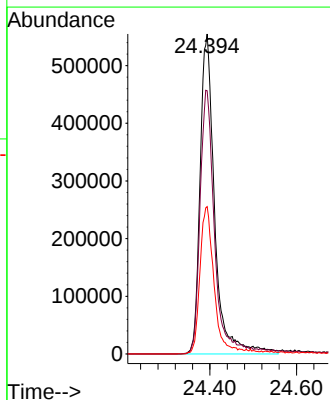
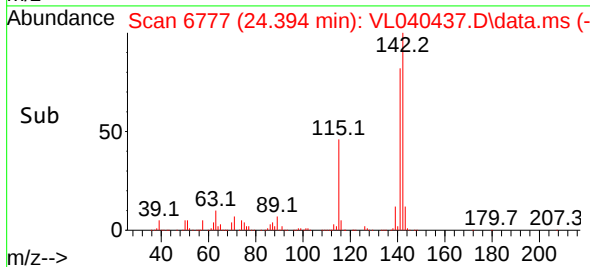
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

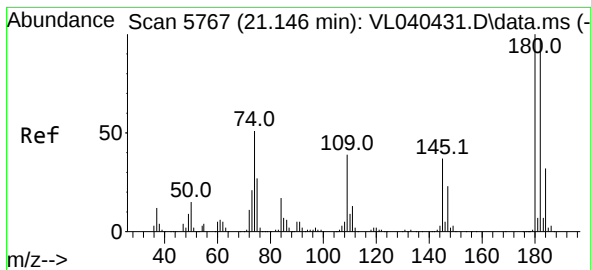


#80
Naphthalene,2-methyl-
Concen: 20.555 ppbv
RT: 24.394 min Scan# 6777
Delta R.T. 0.010 min
Lab File: VL040437.D
Acq: 16 May 2023 13:33



Tgt Ion:142 Resp: 1299151
Ion Ratio Lower Upper
142 100
141 84.7 65.1 97.7
115 45.9 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 15.733 ppbv

RT: 21.162 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL040437.D

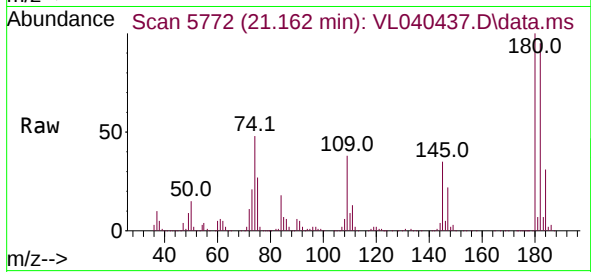
Acq: 16 May 2023 13:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 205284

Ion Ratio Lower Upper

180 100

182 97.9 77.7 116.5

184 30.8 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023

