

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
 Data File : VU055229.D
 Acq On : 11 Sep 2023 10:50
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 11 11:12:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Sep 11 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	64811	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	25032	1.070	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	25736	1.096	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	202069	8.625	ug/l	99
3) Chloromethane	1.515	50	204449	8.565	ug/l	98
4) Vinyl Chloride	1.602	62	218818	8.676	ug/l	99
5) Bromomethane	1.853	94	157088	7.355	ug/l	97
6) Chloroethane	1.930	64	140107	8.690	ug/l	97
7) Trichlorofluoromethane	2.136	101	310265	8.215	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	157542	8.416	ug/l	98
9) 1,1-Dichloroethene	2.576	96	142910	8.345	ug/l	98
10) Iodomethane	2.718	142	225397	12.980	ug/l	94
11) Allyl Chloride	2.920	41	184542	9.548	ug/l	# 82
12) Acrylonitrile	3.313	53	56751	17.063	ug/l	97
13) Acetone	2.621	43	265272	40.663	ug/l	97
14) Carbon Disulfide	2.789	76	470509	8.963	ug/l	99
15) Methylene Chloride	3.039	84	169292	4.189	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	178948	10.115	ug/l	95
17) 1,1-Dichloroethane	3.866	63	334596	10.363	ug/l	99
18) 2-Butanone	4.695	43	332603	50.095	ug/l	98
19) Cyclohexane	5.386	56	255520	9.611	ug/l	86
20) Methylcyclohexane	6.763	83	327908	9.873	ug/l	94
21) 2,2-Dichloropropane	4.660	77	278770	10.085	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	197411	10.268	ug/l	97
23) Diethyl Ether	2.374	59	121963	8.974	ug/l	96
24) tert-Butyl Alcohol	3.181	59	93162m	75.412	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	363278	9.572	ug/l	100
26) Bromochloromethane	4.969	128	83317	10.756	ug/l	95
27) Chloroform	5.084	83	348443	10.396	ug/l	96
28) 1,1,1-Trichloroethane	5.313	97	305932	10.587	ug/l	99
29) 1,1-Dichloropropene	5.525	75	265549	10.620	ug/l	98
30) Carbon Tetrachloride	5.522	117	267163	11.617	ug/l	98
31) Isopropyl Ether	3.988	45	457962	10.310	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	446047	9.775	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	400203	9.864	ug/l	97
34) Propionitrile	4.769	54	57045	50.967	ug/l	# 17
35) Benzene	5.772	78	765932	10.471	ug/l	100
36) 1,2-Dichloroethane	5.788	62	211556	10.068	ug/l	99
37) Trichloroethene	6.541	130	207939	11.303	ug/l	99
38) 1,2-Dichloropropane	6.788	63	198296	10.580	ug/l	100
39) Methacrylonitrile	4.969	41	44335	9.705	ug/l	97
40) Methyl acrylate	4.843	55	76734	9.264	ug/l	99
41) Tetrahydrofuran	5.052	42	43963	18.432	ug/l	94
42) 1-Chlorobutane	5.454	56	347225	10.440	ug/l	98
43) Dibromomethane	6.917	93	93817	10.507	ug/l	98
44) Bromodichloromethane	7.103	83	248532	11.131	ug/l	99

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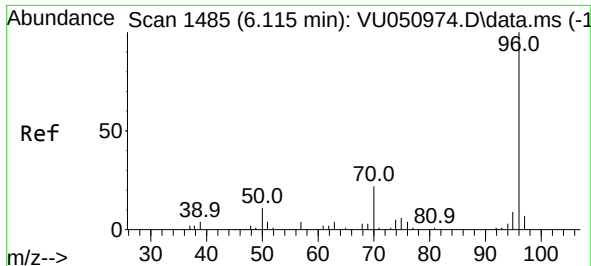
Manual Integrations
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Quant Time: Sep 11 11:12:43 2023
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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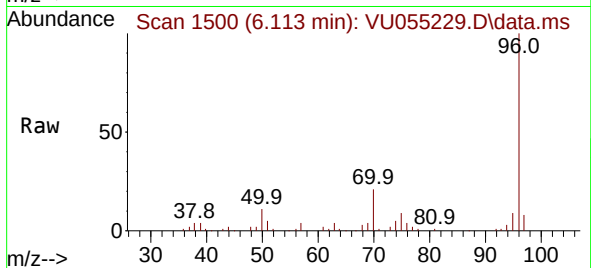
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	475696	51.358	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	78259m	15.412	ug/l	
47) Methyl methacrylate	6.959	69	157919	19.236	ug/l	97
48) Ethyl methacrylate	8.332	69	156704	9.842	ug/l	95
49) Toluene	7.965	92	481427	10.738	ug/l	96
50) t-1,3-Dichloropropene	8.206	75	219535	10.615	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	270816	10.573	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	133675	10.324	ug/l	97
53) 1,3-Dichloropropane	8.573	76	229544	10.277	ug/l	99
54) 2-Hexanone	8.679	43	508245	52.301	ug/l	98
55) Dibromochloromethane	8.808	129	153278	11.629	ug/l	98
56) 1,2-Dibromoethane	8.920	107	124262	10.417	ug/l	98
58) Tetrachloroethene	8.550	164	235291	13.677	ug/l	97
59) Chlorobenzene	9.444	112	526248	10.662	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	175834	11.720	ug/l	98
61) Pentachloroethane	11.422	117	77513	7.353	ug/l	92
62) Hexachloroethane	12.473	117	142875	11.784	ug/l	96
63) Ethyl Benzene	9.566	91	925153	10.687	ug/l	98
64) m/p-Xylenes	9.692	106	733053	22.149	ug/l	98
65) o-Xylene	10.097	106	348789	10.769	ug/l	99
66) Styrene	10.113	104	576541	11.578	ug/l	99
67) Bromoform	10.290	173	79263	12.778	ug/l	98
69) Isopropylbenzene	10.483	105	911731	10.750	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.779	83	134214	8.611	ug/l	100
71) 1,2,3-Trichloropropane	10.824	75	127113m	10.801	ug/l	
72) Bromobenzene	10.779	156	207687	11.690	ug/l	95
73) n-propylbenzene	10.904	120	258731	11.548	ug/l	95
74) 2-Chlorotoluene	10.984	126	221346	11.427	ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	820534	11.522	ug/l	100
76) 4-Chlorotoluene	11.094	126	230763	11.473	ug/l	99
77) tert-Butylbenzene	11.418	119	717077	10.863	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	850529	11.727	ug/l	100
79) sec-Butylbenzene	11.640	105	1057851	11.126	ug/l	99
80) Nitrobenzene	13.206	77	16575	42.327	ug/l #	93
81) p-Isopropyltoluene	11.791	119	882895	11.822	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	445356	11.761	ug/l	100
83) 1,4-Dichlorobenzene	11.833	146	441734	11.528	ug/l	99
84) n-Butylbenzene	12.206	91	815088	11.046	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	410957	11.453	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	24052	10.161	ug/l	96
87) 1,2,4-Trichlorobenzene	13.836	180	254157	12.144	ug/l	99
88) Hexachlorobutadiene	14.020	225	148341	14.820	ug/l	99
89) Naphthalene	14.084	128	388531	9.227	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	221725	12.297	ug/l	99

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 11
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

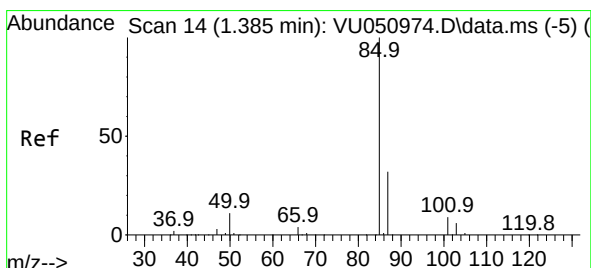
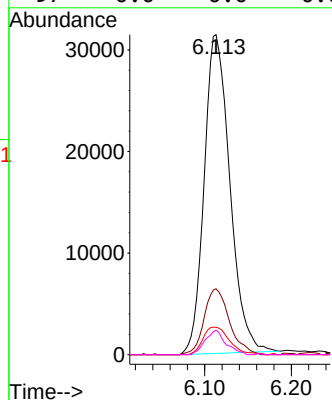
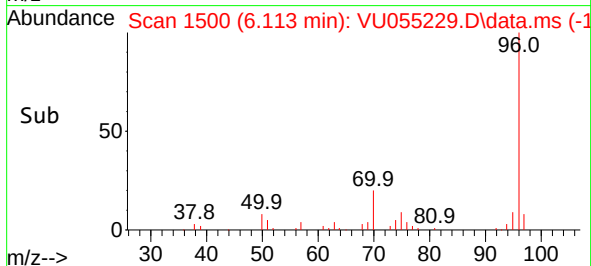
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion: 96 Resp: 6481
Ion Ratio Lower Upper
96 100
70 20.3 16.5 24.7
95 8.9 7.4 11.0
97 0.0 0.0 0.0

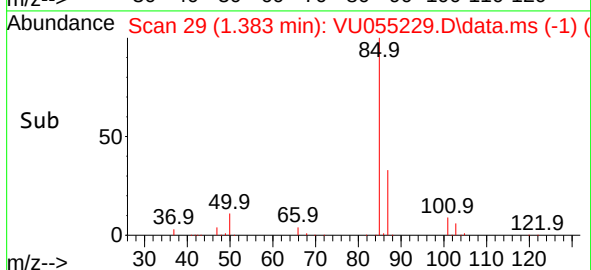
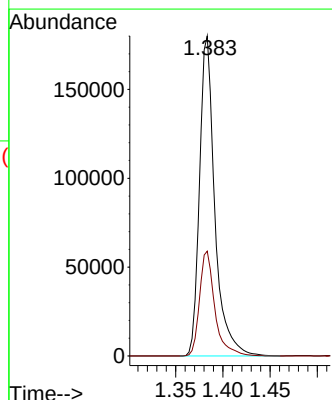
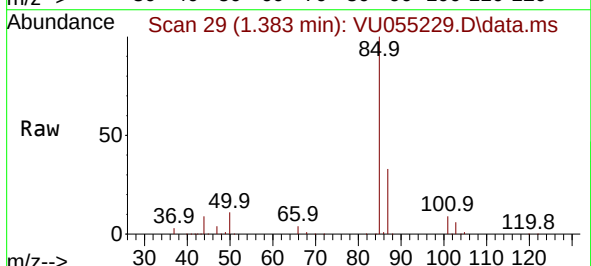
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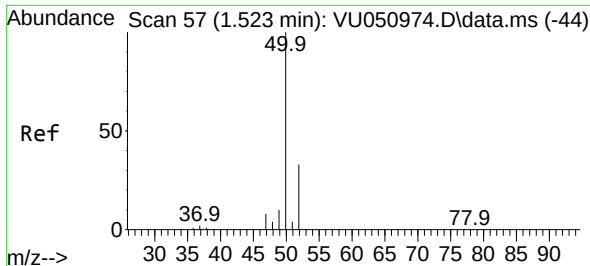
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#2
Dichlorodifluoromethane
Concen: 8.625 ug/l
RT: 1.383 min Scan# 29
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion: 85 Resp: 202069
Ion Ratio Lower Upper
85 100
87 32.8 16.2 48.6





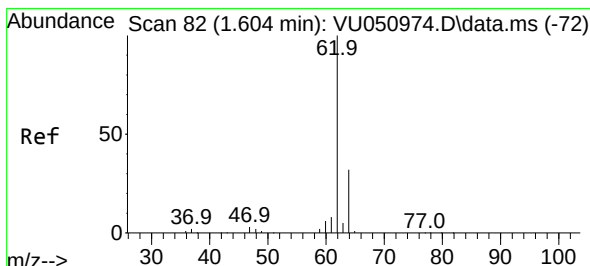
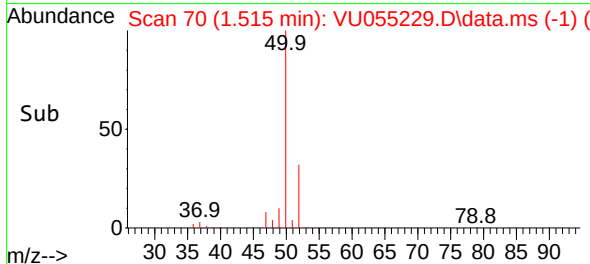
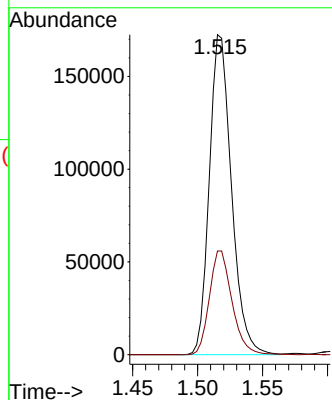
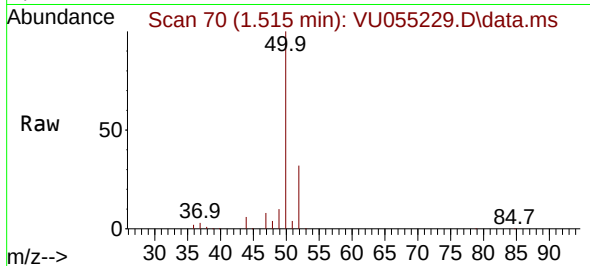
#3
Chloromethane
Concen: 8.565 ug/l
RT: 1.515 min Scan# 70
Delta R.T. -0.008 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Instrument :
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ClientSampleId :
VSTDICCC010

Tgt Ion: 50 Resp: 204449
Ion Ratio Lower Upper
50 100
52 32.4 26.6 40.0

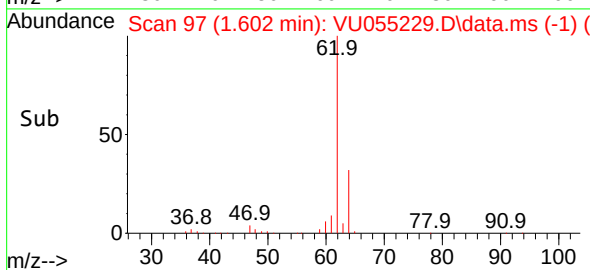
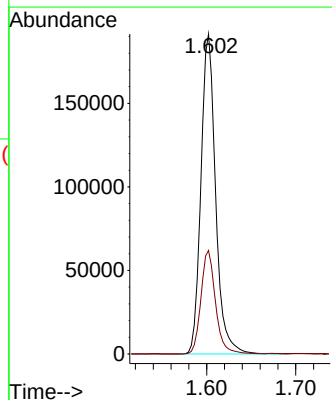
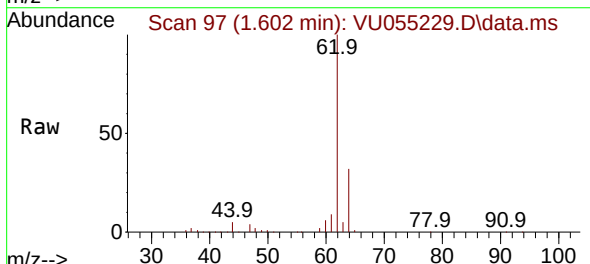
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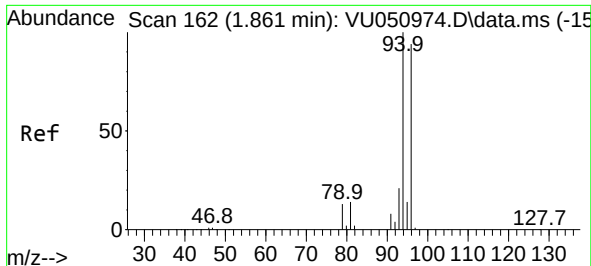
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#4
Vinyl Chloride
Concen: 8.676 ug/l
RT: 1.602 min Scan# 97
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion: 62 Resp: 218818
Ion Ratio Lower Upper
62 100
64 32.4 25.4 38.2





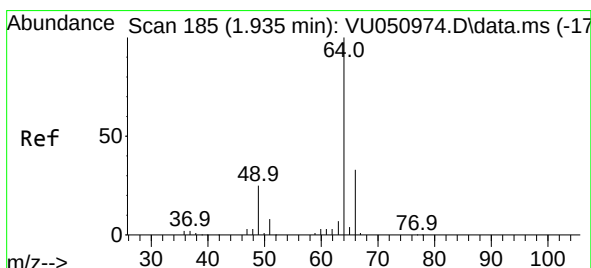
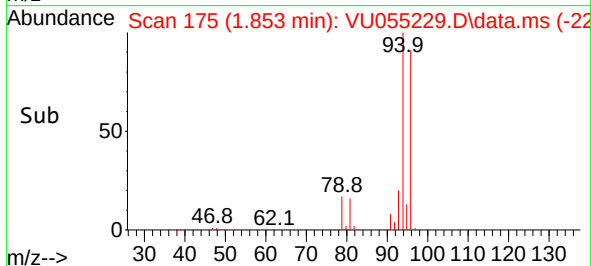
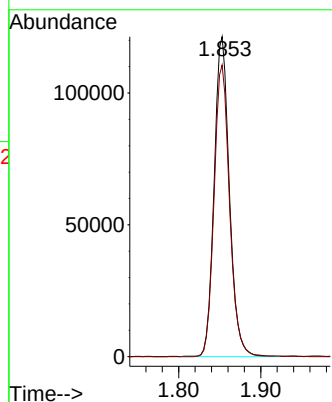
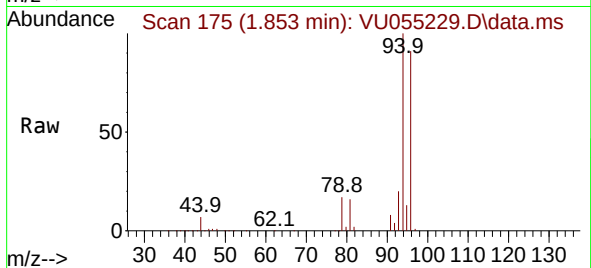
#5
Bromomethane
Concen: 7.355 ug/l
RT: 1.853 min Scan# 11
Delta R.T. -0.008 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Instrument :
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ClientSampleId :
VSTDICCC010

Tgt Ion: 94 Resp: 15708
Ion Ratio Lower Upper
94 100
96 91.2 75.4 113.2

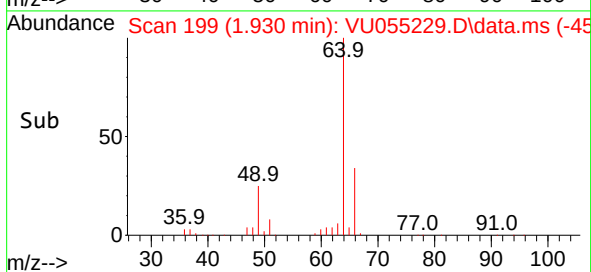
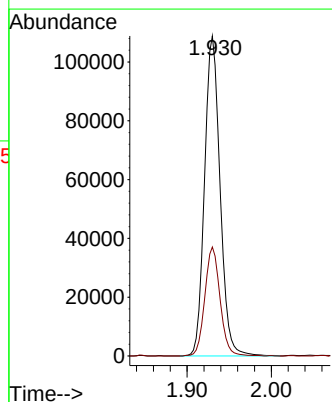
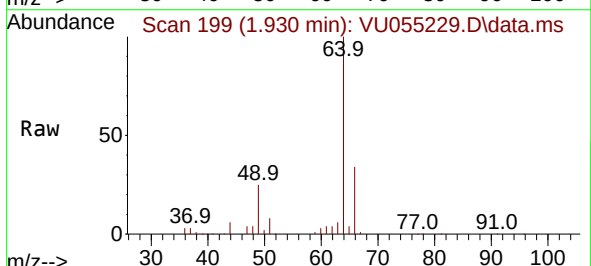
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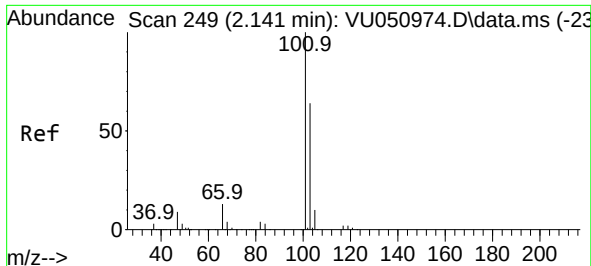
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#6
Chloroethane
Concen: 8.690 ug/l
RT: 1.930 min Scan# 199
Delta R.T. -0.005 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

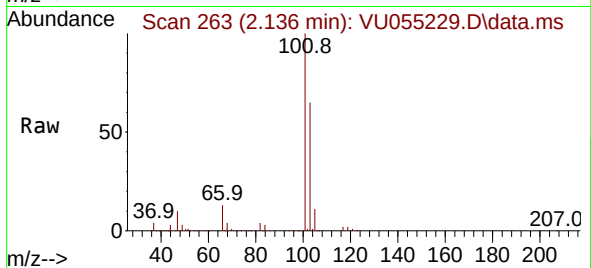
Tgt Ion: 64 Resp: 140107
Ion Ratio Lower Upper
64 100
66 34.0 26.0 39.0





#7
 Trichlorofluoromethane
 Concen: 8.215 ug/l
 RT: 2.136 min Scan# 20
 Delta R.T. -0.005 min
 Lab File: VU055229.D
 Acq: 11 Sep 2023 10:50

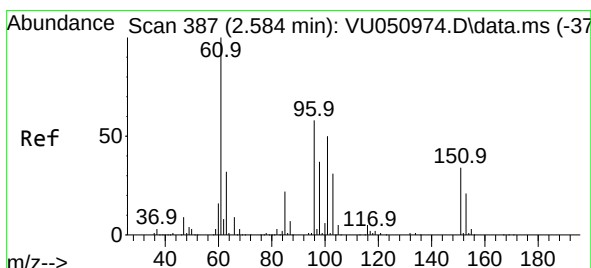
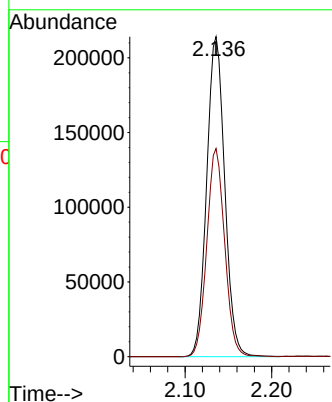
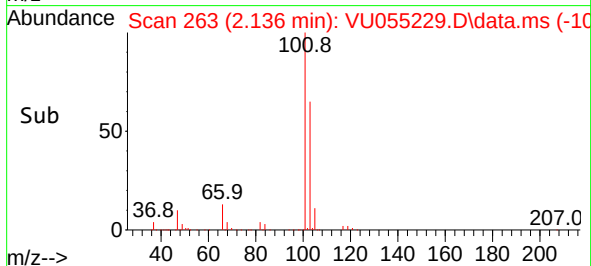
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010



Tgt Ion:101 Resp: 31026
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.4 77.0

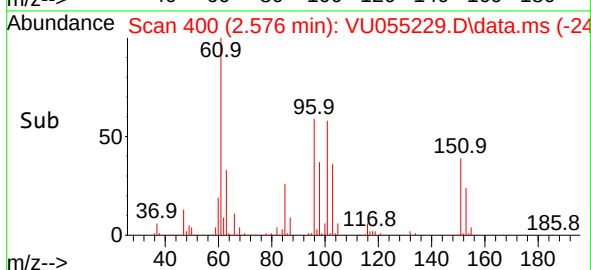
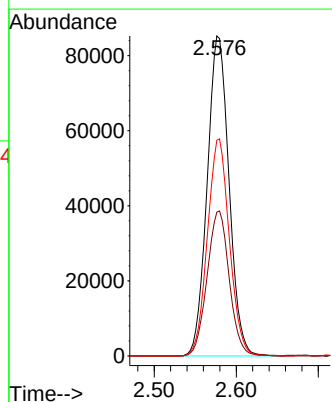
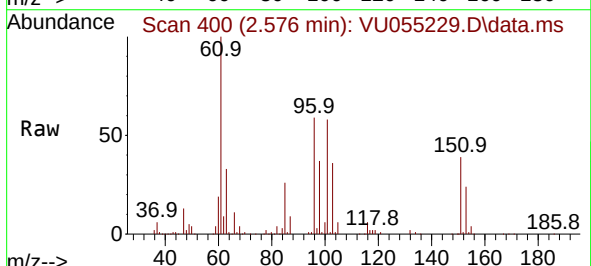
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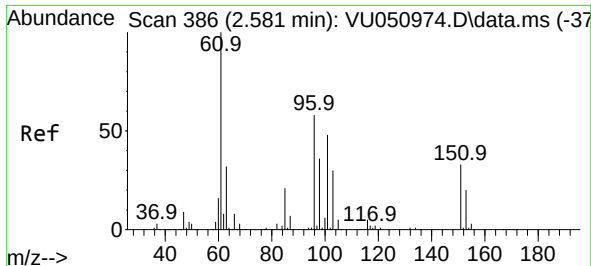
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 8.416 ug/l
 RT: 2.576 min Scan# 400
 Delta R.T. -0.008 min
 Lab File: VU055229.D
 Acq: 11 Sep 2023 10:50

Tgt Ion:101 Resp: 157542
 Ion Ratio Lower Upper
 101 100
 85 45.9 35.4 53.0
 151 68.4 54.0 81.0





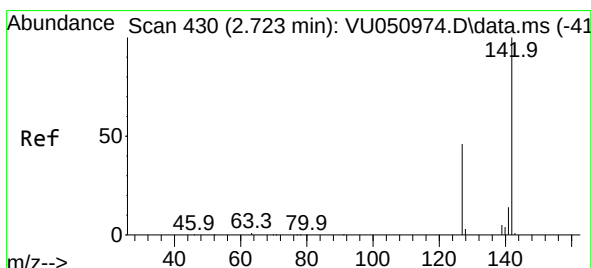
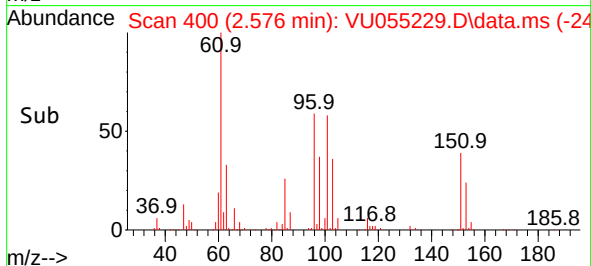
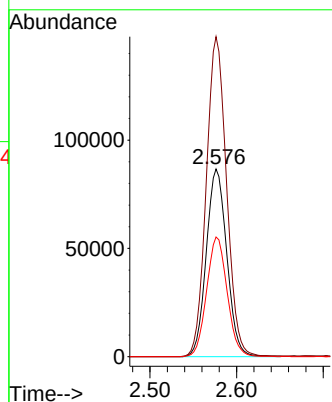
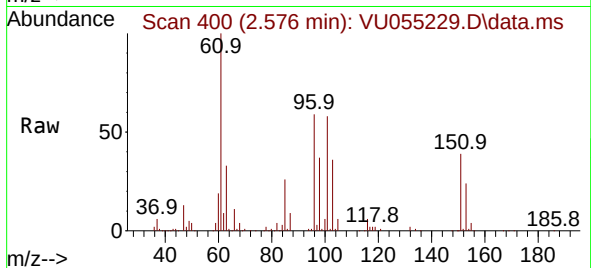
#9
1,1-Dichloroethene
Concen: 8.345 ug/l
RT: 2.576 min Scan# 400
Delta R.T. -0.005 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 96 Resp: 142910
Ion Ratio Lower Upper
96 100
61 170.5 0.0 521.4
98 63.8 0.0 125.8

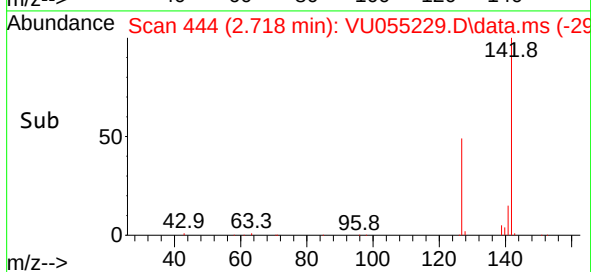
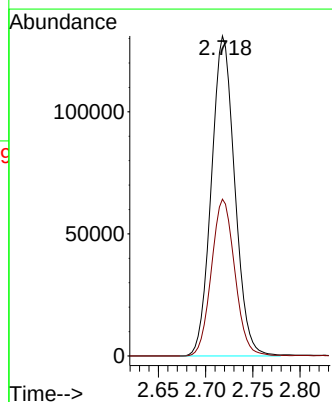
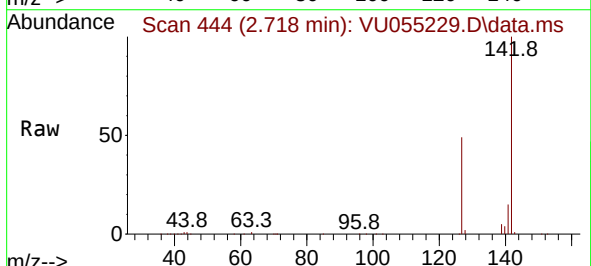
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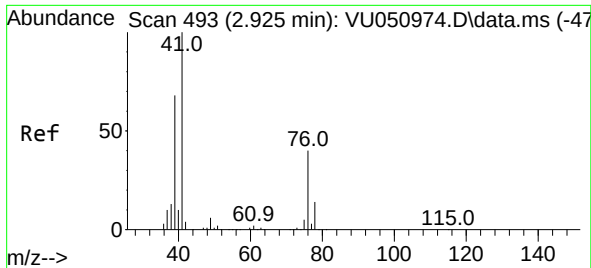
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#10
Iodomethane
Concen: 12.980 ug/l
RT: 2.718 min Scan# 444
Delta R.T. -0.005 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion:142 Resp: 225397
Ion Ratio Lower Upper
142 100
127 49.0 35.9 53.9





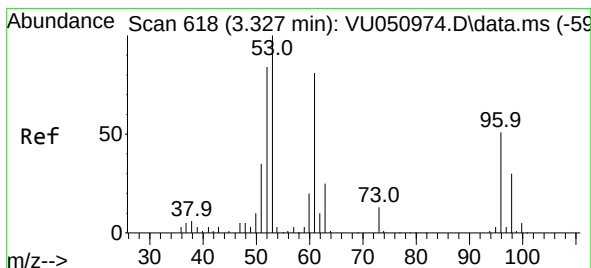
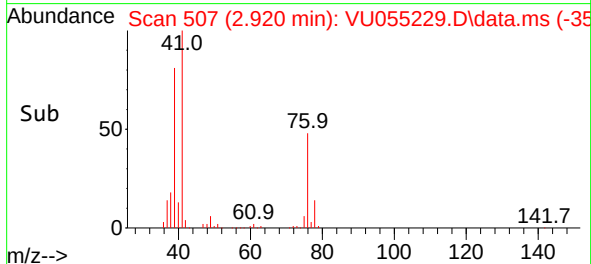
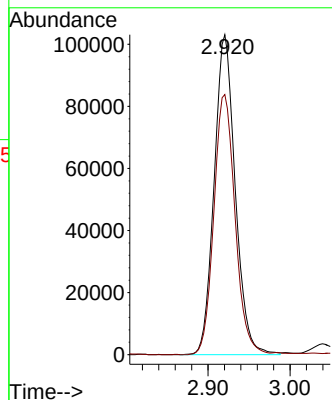
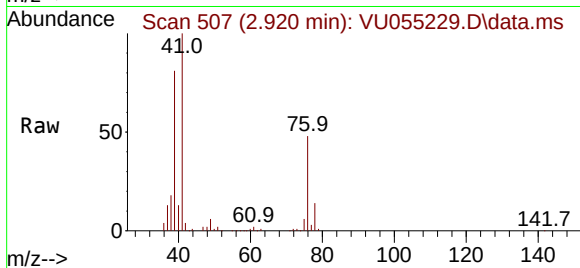
#11
 Allyl Chloride
 Concen: 9.548 ug/l
 RT: 2.920 min Scan# 507
 Delta R.T. -0.005 min
 Lab File: VU055229.D
 Acq: 11 Sep 2023 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 41 Resp: 184542
 Ion Ratio Lower Upper
 41 100
 39 82.0 54.2 81.2

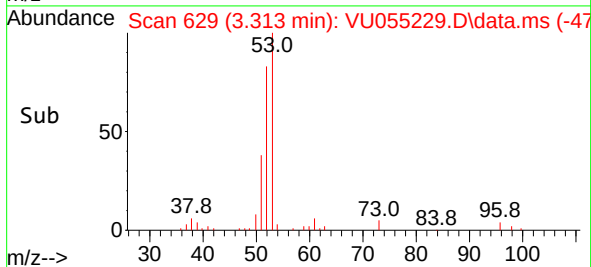
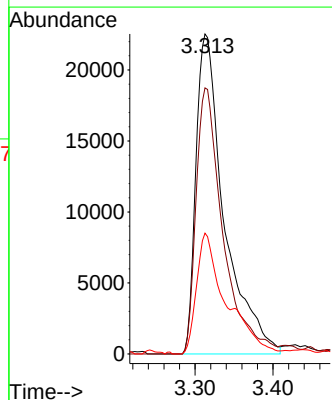
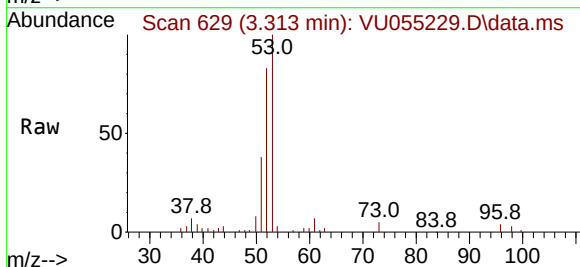
Manual Integrations
 APPROVED

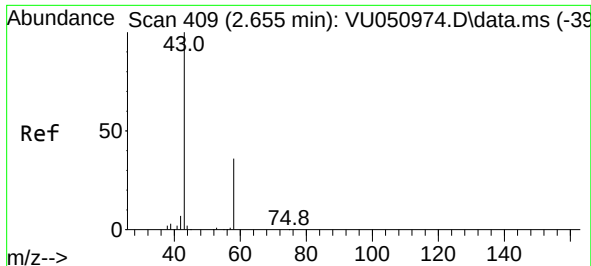
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#12
 Acrylonitrile
 Concen: 17.063 ug/l
 RT: 3.313 min Scan# 629
 Delta R.T. -0.014 min
 Lab File: VU055229.D
 Acq: 11 Sep 2023 10:50

Tgt Ion: 53 Resp: 56751
 Ion Ratio Lower Upper
 53 100
 52 79.2 62.9 94.3
 51 39.6 27.8 41.6





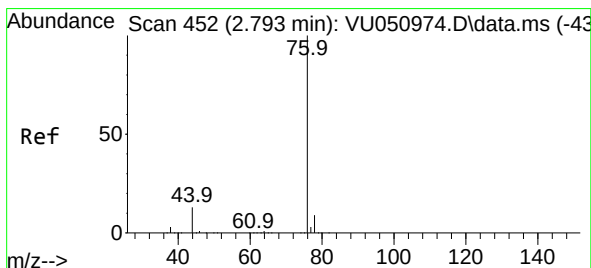
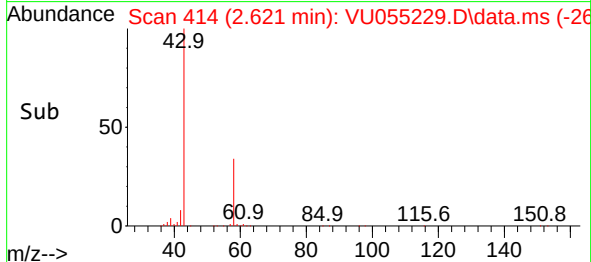
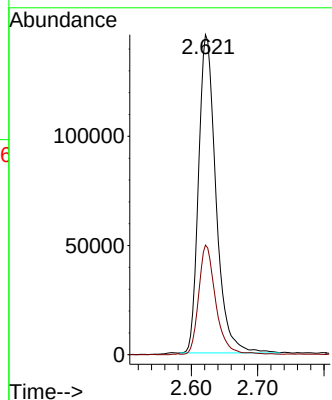
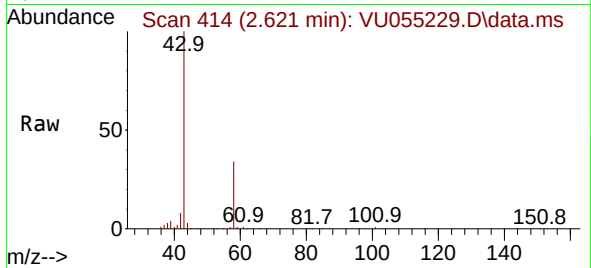
#13
Acetone
Concen: 40.663 ug/l
RT: 2.621 min Scan# 411
Delta R.T. -0.034 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 265272
Ion Ratio Lower Upper
43 100
58 34.3 29.0 43.4

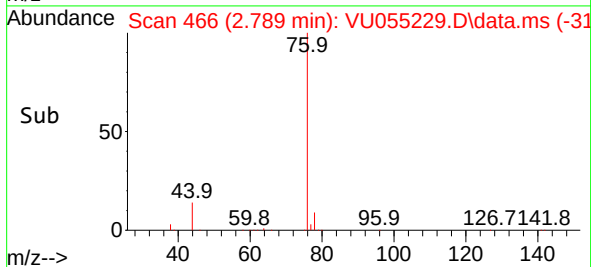
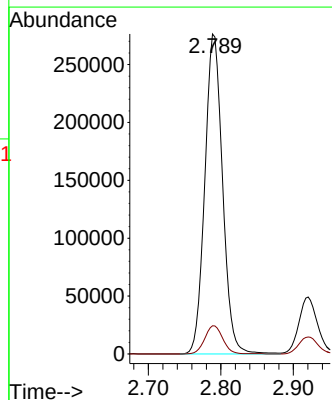
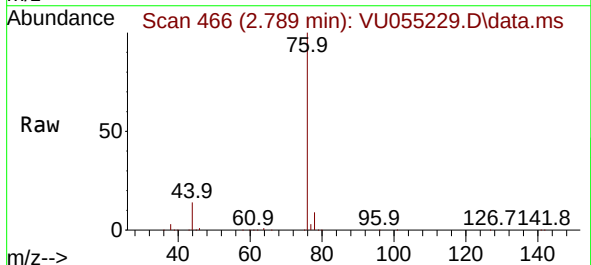
Manual Integrations
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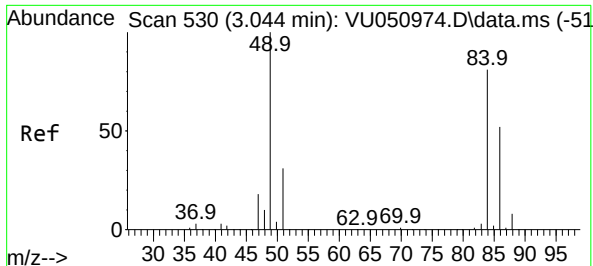
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#14
Carbon Disulfide
Concen: 8.963 ug/l
RT: 2.789 min Scan# 466
Delta R.T. -0.004 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

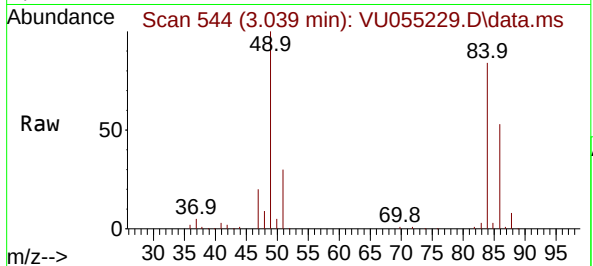
Tgt Ion: 76 Resp: 470509
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0





#15
Methylene Chloride
Concen: 4.189 ug/l
RT: 3.039 min Scan# 54
Delta R.T. -0.005 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

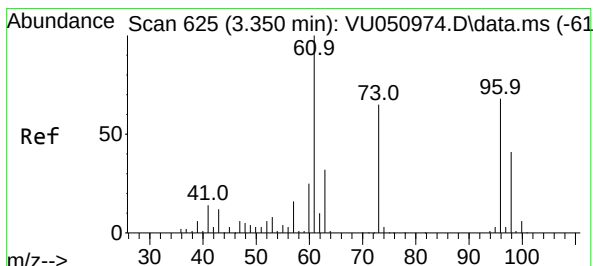
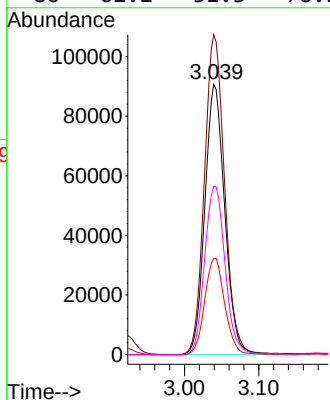
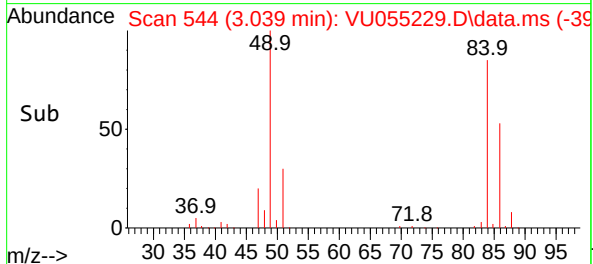
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion: 84 Resp: 169292
Ion Ratio Lower Upper
84 100
49 118.4 98.9 148.3
51 35.7 0.0 75.4
86 62.2 51.3 76.9

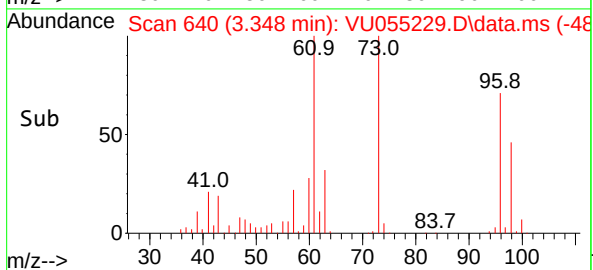
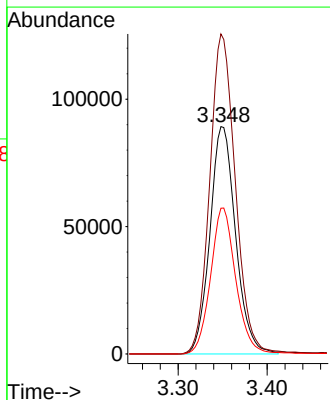
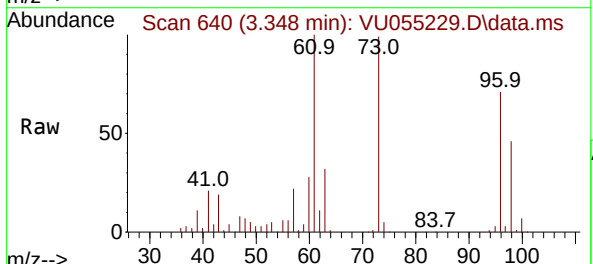
Manual Integrations
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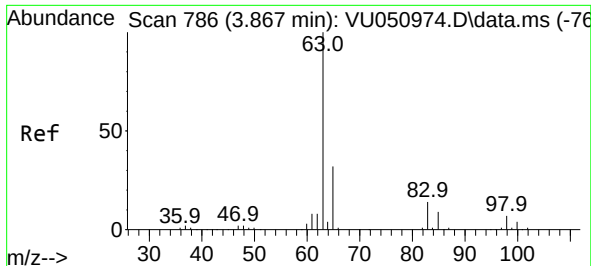
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#16
trans-1,2-Dichloroethene
Concen: 10.115 ug/l
RT: 3.348 min Scan# 640
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion: 96 Resp: 178948
Ion Ratio Lower Upper
96 100
61 140.8 117.5 176.3
98 64.1 48.3 72.5





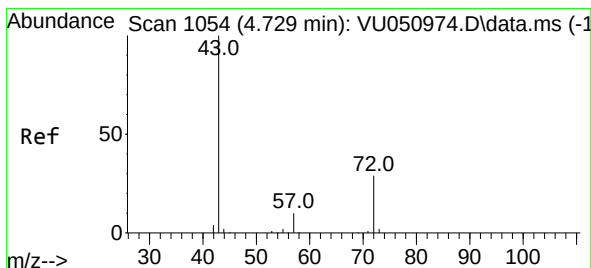
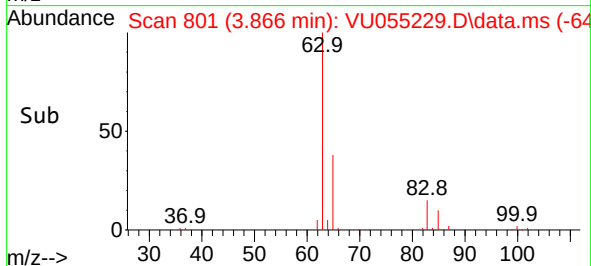
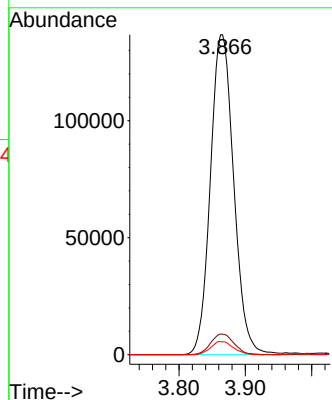
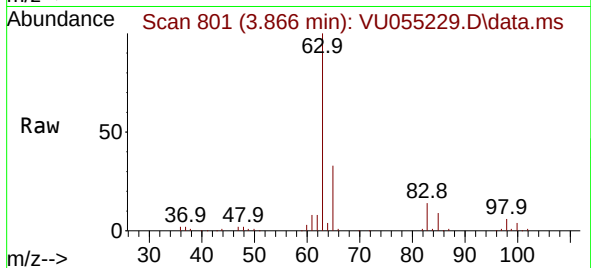
#17
1,1-Dichloroethane
Concen: 10.363 ug/l
RT: 3.866 min Scan# 801
Delta R.T. -0.001 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 334590
Ion Ratio Lower Upper
63 100
98 6.4 3.4 10.1
100 4.0 2.2 6.6

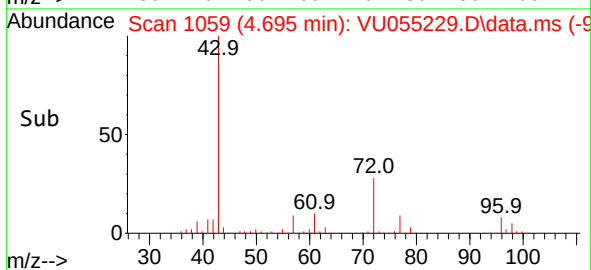
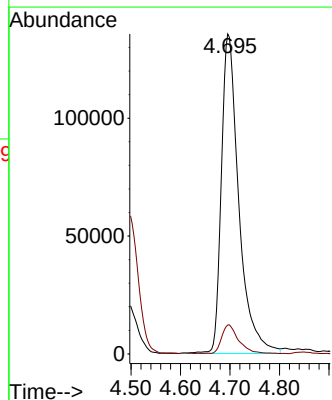
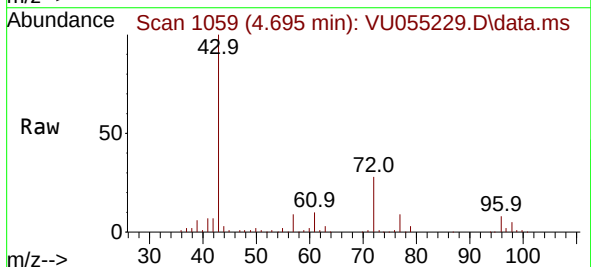
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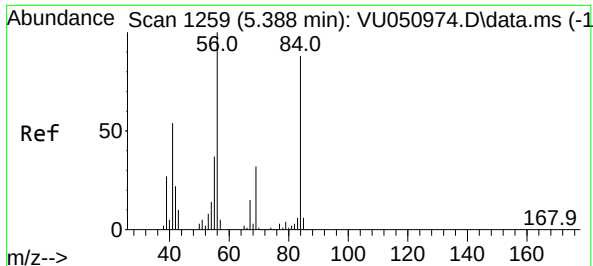
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#18
2-Butanone
Concen: 50.095 ug/l
RT: 4.695 min Scan# 1059
Delta R.T. -0.034 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion: 43 Resp: 332603
Ion Ratio Lower Upper
43 100
57 9.0 0.0 19.6





#19

Cyclohexane

Concen: 9.611 ug/l

RT: 5.386 min Scan# 11

Delta R.T. -0.002 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 56 Resp: 255520

Ion Ratio Lower Upper

56 100

69 36.0 24.6 37.0

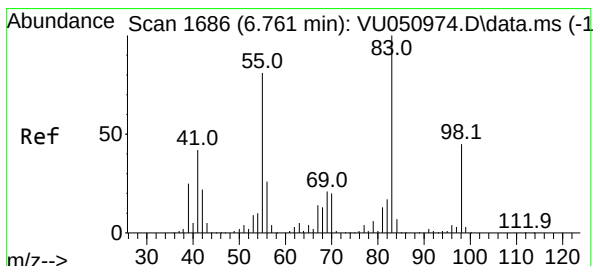
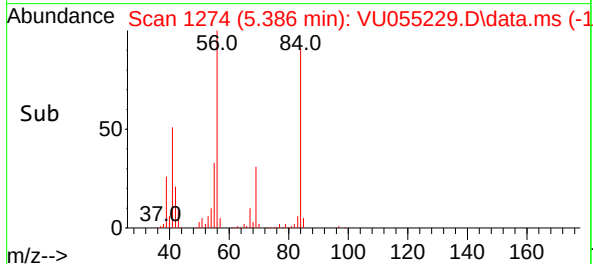
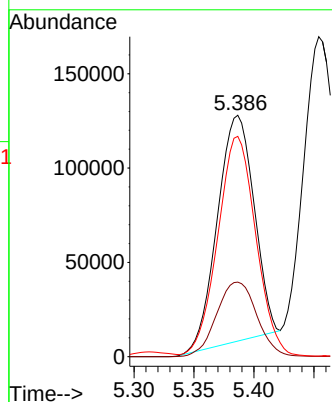
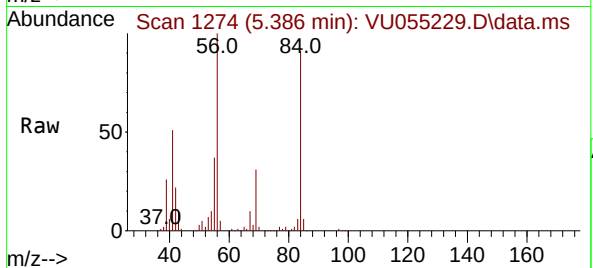
84 99.8 68.4 102.6

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Methylcyclohexane

Concen: 9.873 ug/l

RT: 6.763 min Scan# 1702

Delta R.T. 0.002 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

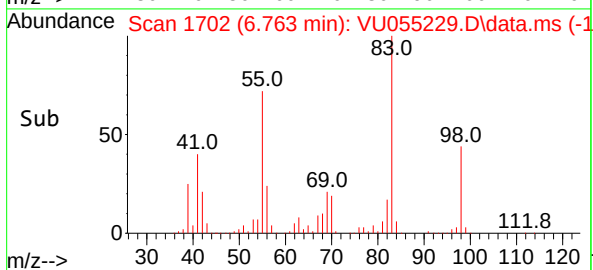
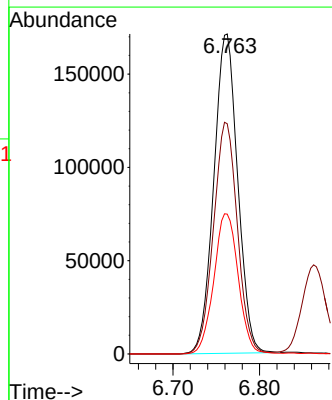
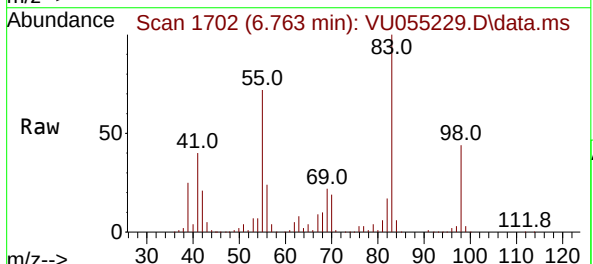
Tgt Ion: 83 Resp: 327908

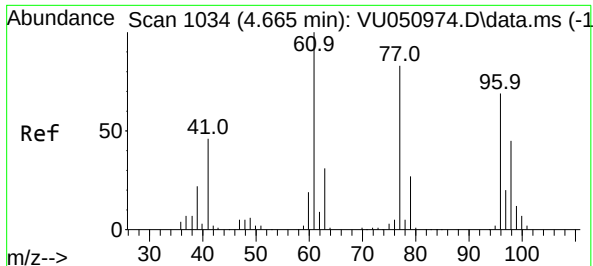
Ion Ratio Lower Upper

83 100

55 72.0 63.5 95.3

98 44.6 36.0 54.0





#21

2,2-Dichloropropane

Concen: 10.085 ug/l

RT: 4.660 min Scan# 1048

Delta R.T. -0.005 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 77 Resp: 278770

Ion Ratio Lower Upper

77 100

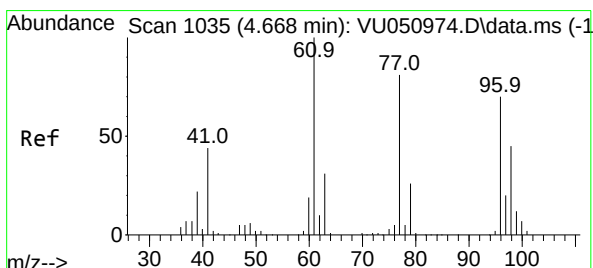
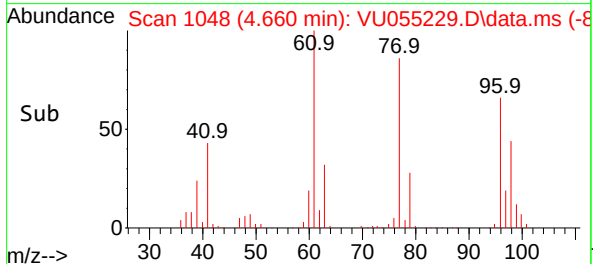
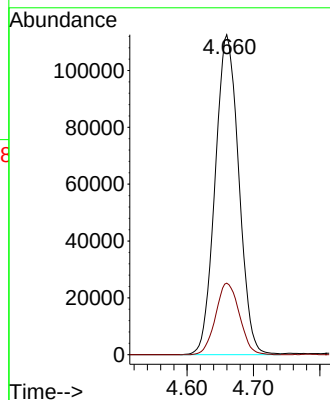
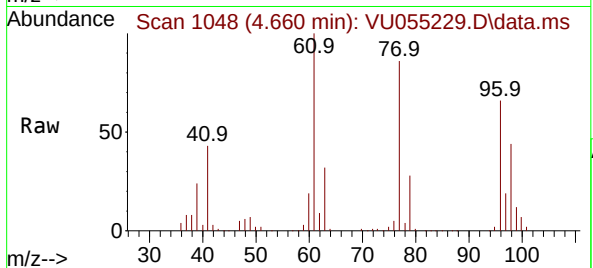
97 22.5 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#22

cis-1,2-Dichloroethene

Concen: 10.268 ug/l

RT: 4.663 min Scan# 1049

Delta R.T. -0.005 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

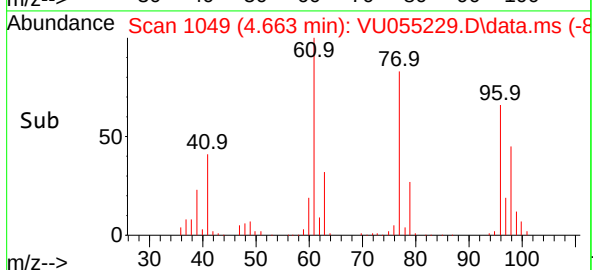
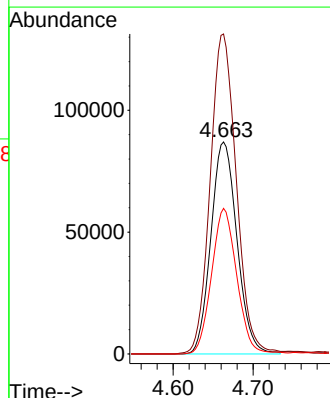
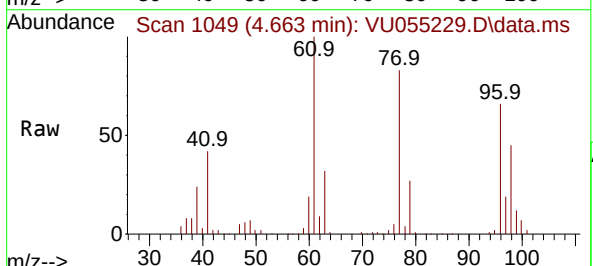
Tgt Ion: 96 Resp: 197411

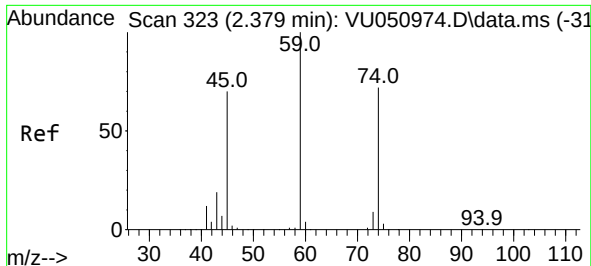
Ion Ratio Lower Upper

96 100

61 150.8 0.0 365.8

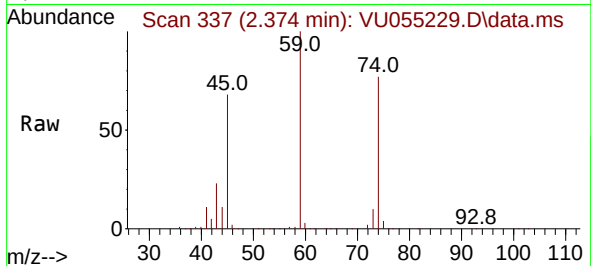
98 66.3 32.0 96.0





#23
Diethyl Ether
Concen: 8.974 ug/l
RT: 2.374 min Scan# 31
Delta R.T. -0.005 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

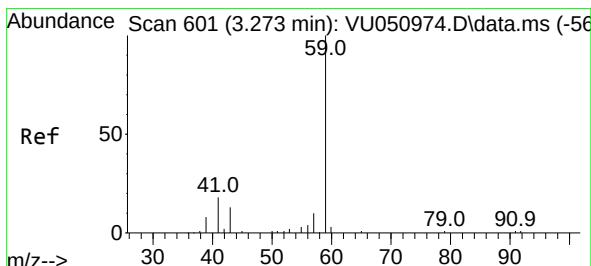
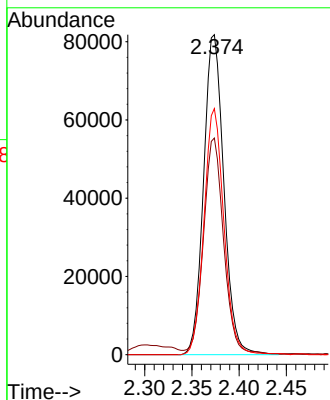
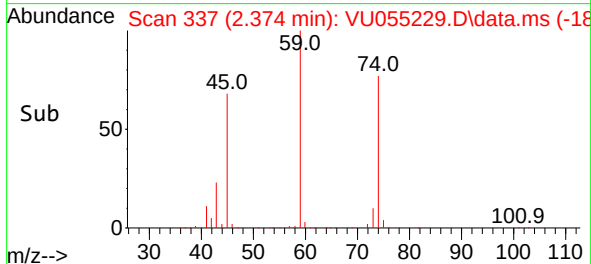
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion: 59 Resp: 12196
Ion Ratio Lower Upper
59 100
45 67.1 56.1 84.1
74 75.7 57.4 86.2

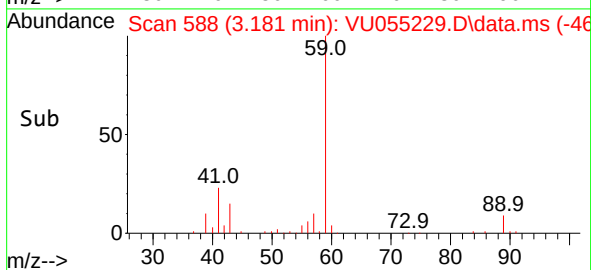
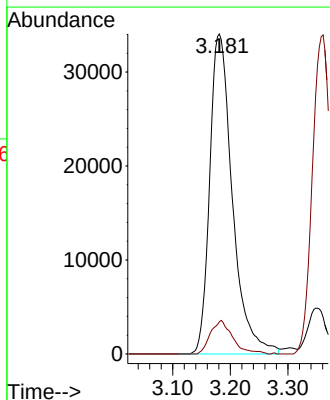
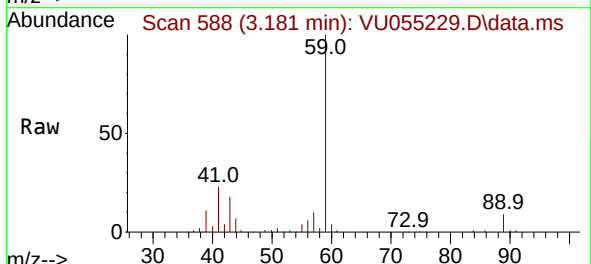
Manual Integrations
APPROVED

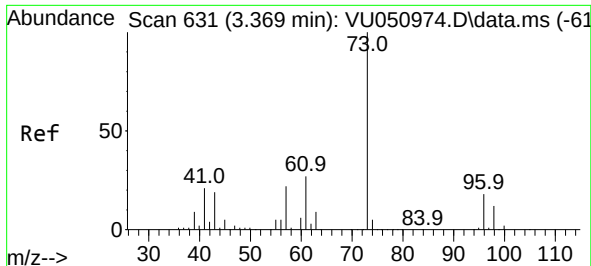
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#24
tert-Butyl Alcohol
Concen: 75.412 ug/l m
RT: 3.181 min Scan# 588
Delta R.T. -0.092 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

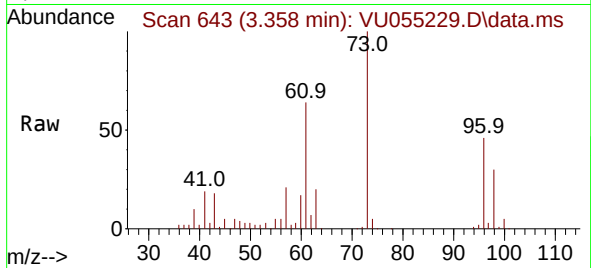
Tgt Ion: 59 Resp: 93162
Ion Ratio Lower Upper
59 100
57 84.1 105.6 158.4#





#25
Methyl tert-Butyl Ether
Concen: 9.572 ug/l
RT: 3.358 min Scan# 643
Delta R.T. -0.011 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

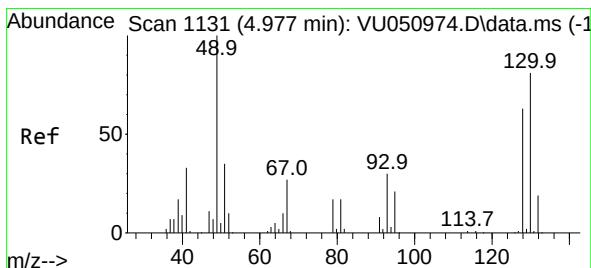
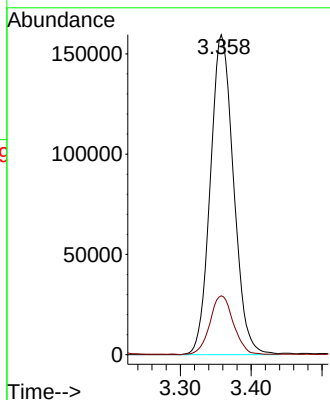
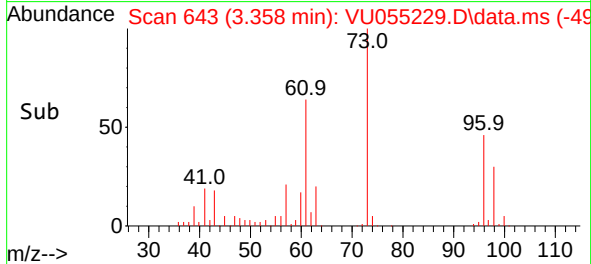
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



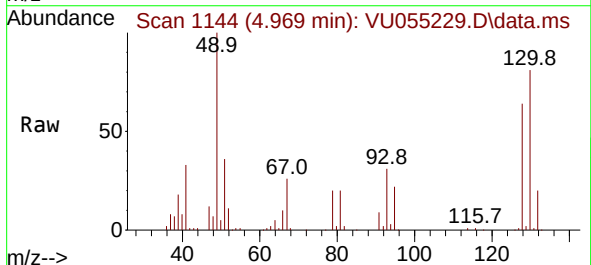
Tgt Ion: 73 Resp: 363278
Ion Ratio Lower Upper
73 100
43 18.8 15.0 22.6

Manual Integrations
APPROVED

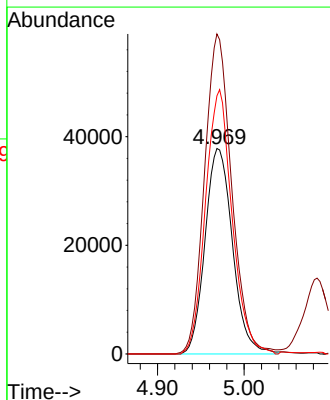
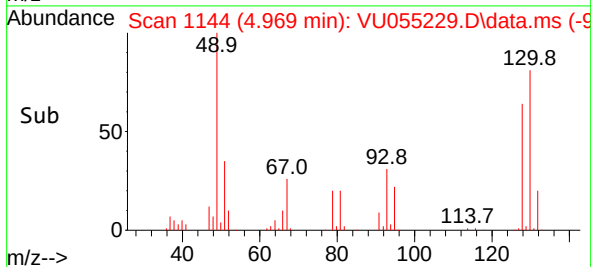
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

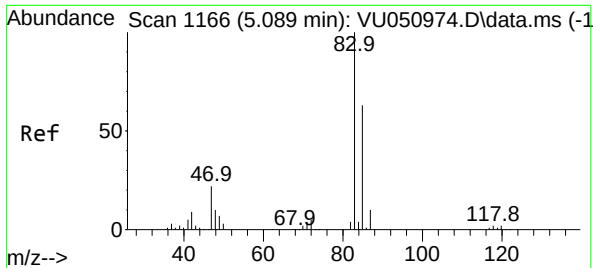


#26
Bromochloromethane
Concen: 10.756 ug/l
RT: 4.969 min Scan# 1144
Delta R.T. -0.008 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50



Tgt Ion:128 Resp: 83317
Ion Ratio Lower Upper
128 100
49 154.4 0.0 324.6
130 125.4 103.0 154.4





#27

Chloroform

Concen: 10.396 ug/l

RT: 5.084 min Scan# 1166

Delta R.T. -0.005 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 34844

Ion Ratio Lower Upper

83 100

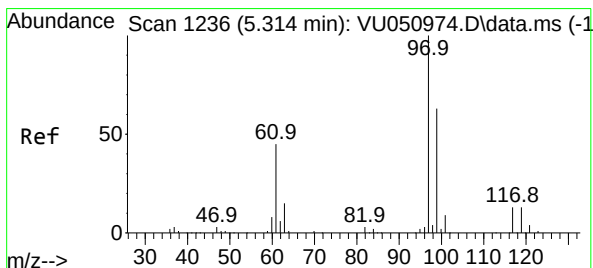
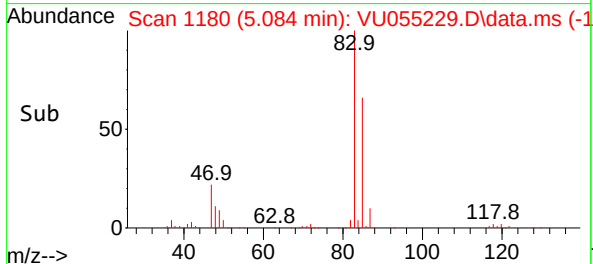
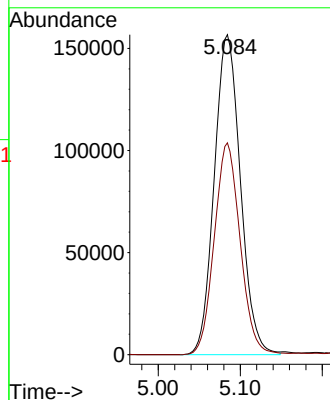
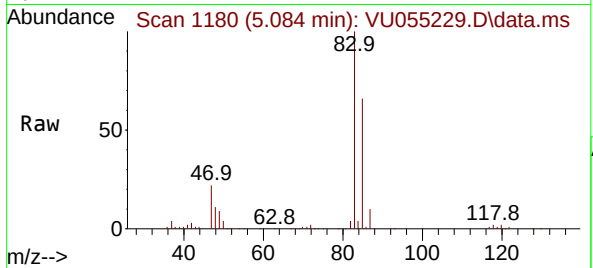
85 66.2 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#28

1,1,1-Trichloroethane

Concen: 10.587 ug/l

RT: 5.313 min Scan# 1251

Delta R.T. -0.001 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

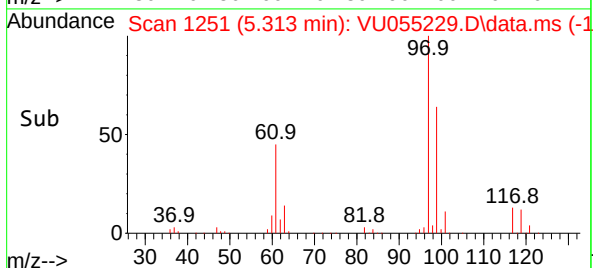
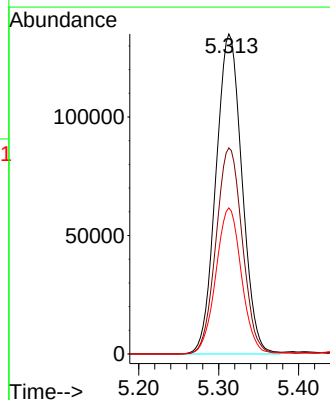
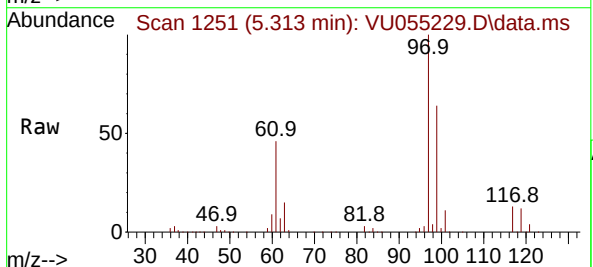
Tgt Ion: 97 Resp: 305932

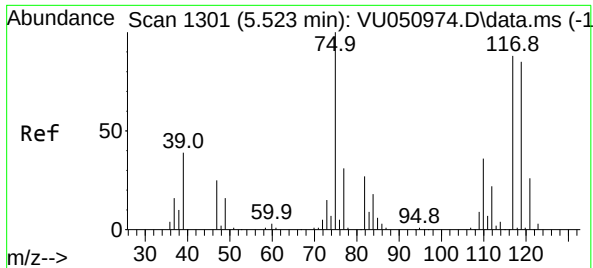
Ion Ratio Lower Upper

97 100

99 65.1 32.0 96.2

61 44.9 22.9 68.5





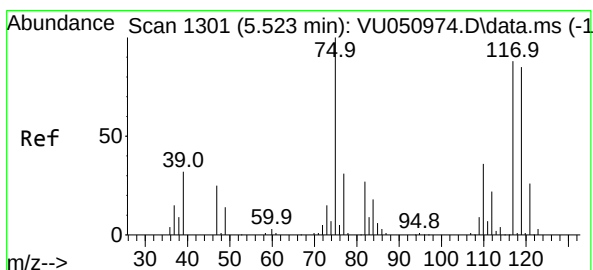
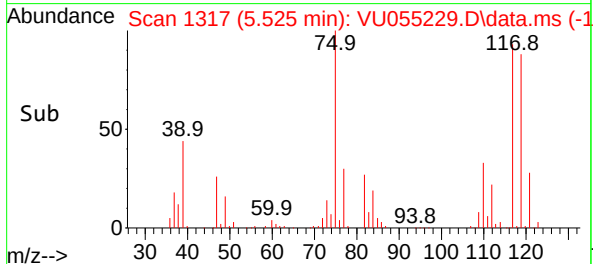
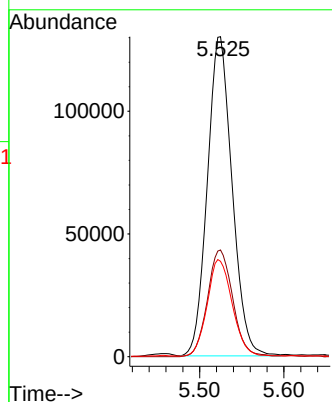
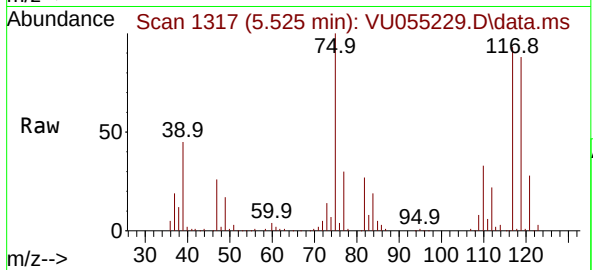
#29
1,1-Dichloropropene
Concen: 10.620 ug/l
RT: 5.525 min Scan# 1317
Delta R.T. 0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 265549
Ion Ratio Lower Upper
75 100
110 34.2 18.0 54.0
77 30.4 24.7 37.1

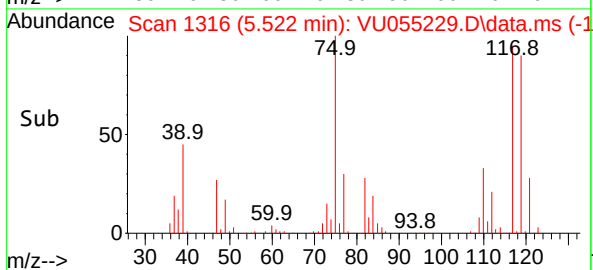
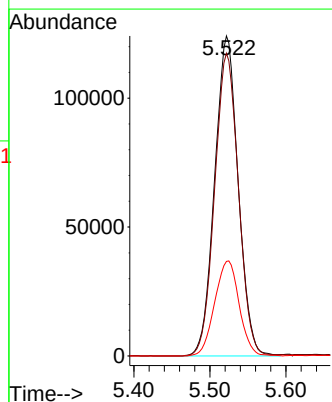
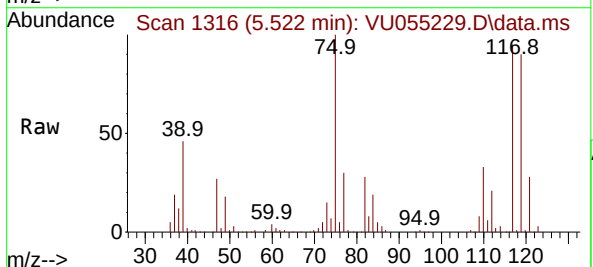
Manual Integrations
APPROVED

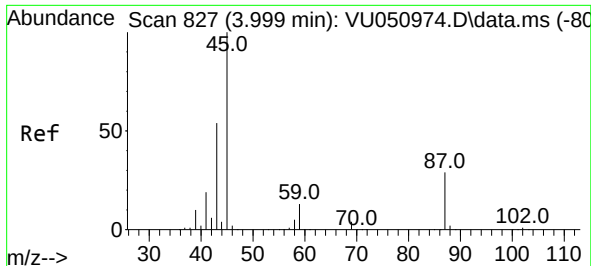
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#30
Carbon Tetrachloride
Concen: 11.617 ug/l
RT: 5.522 min Scan# 1316
Delta R.T. -0.001 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

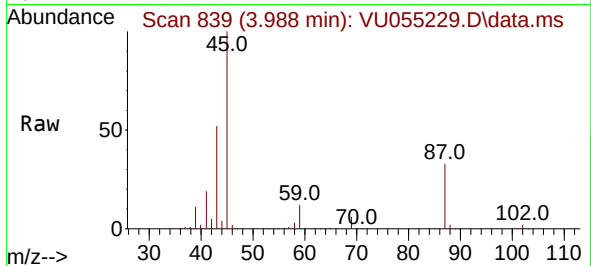
Tgt Ion:117 Resp: 267163
Ion Ratio Lower Upper
117 100
119 94.6 77.4 116.0
121 29.6 24.0 36.0





#31
Isopropyl Ether
Concen: 10.310 ug/l
RT: 3.988 min Scan# 811
Delta R.T. -0.011 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

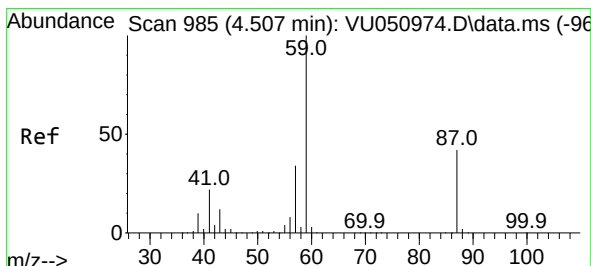
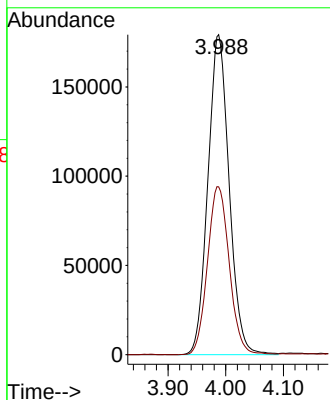
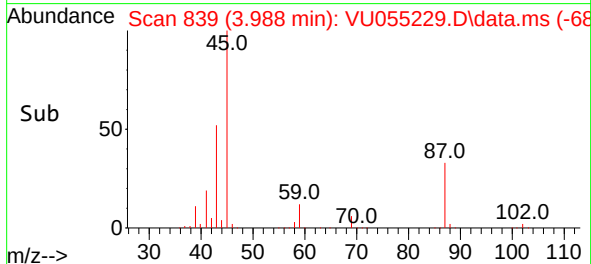
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



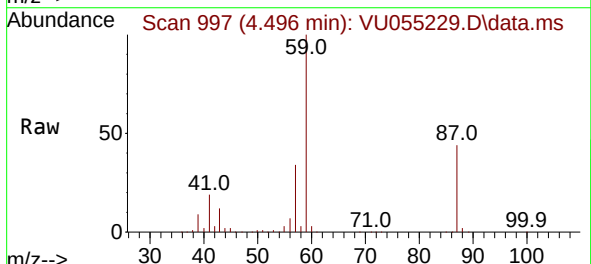
Tgt Ion: 45 Resp: 457962
Ion Ratio Lower Upper
45 100
43 54.0 27.5 82.5

Manual Integrations
APPROVED

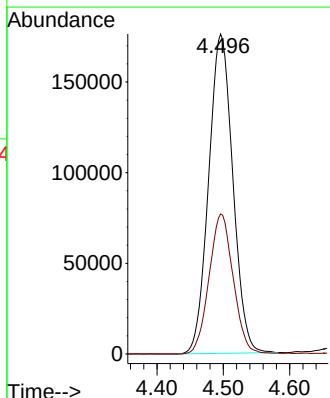
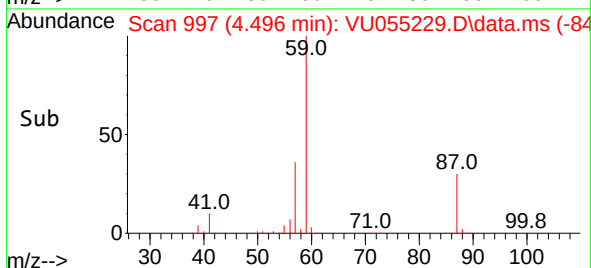
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

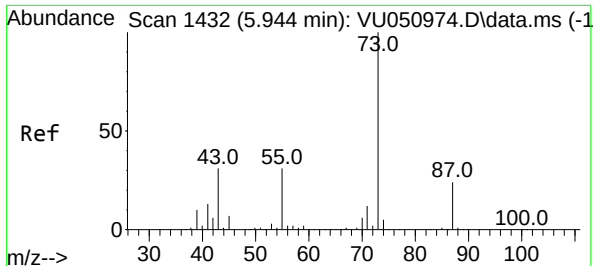


#32
Ethyl-t-butyl ether
Concen: 9.775 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.011 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50



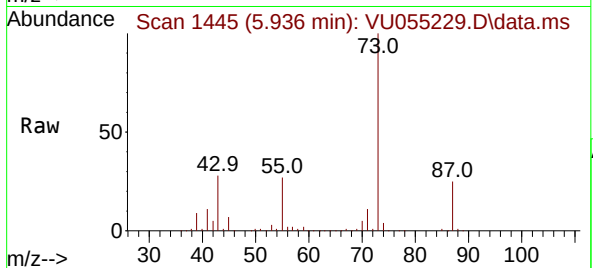
Tgt Ion: 59 Resp: 446047
Ion Ratio Lower Upper
59 100
87 43.5 33.5 50.3





#33
Tert-Amyl methyl ether
Concen: 9.864 ug/l
RT: 5.936 min Scan# 1432
Delta R.T. -0.008 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

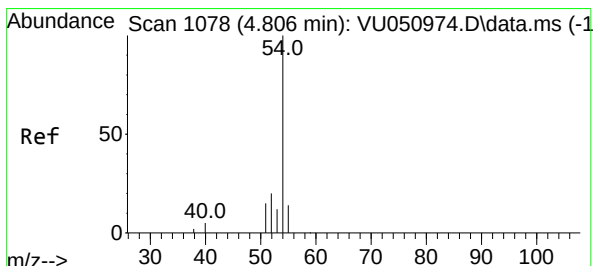
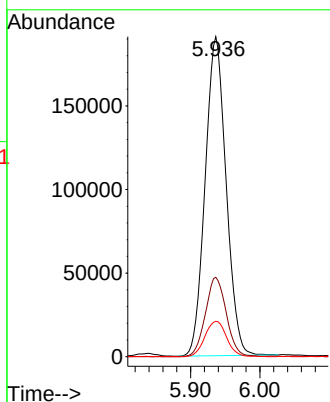
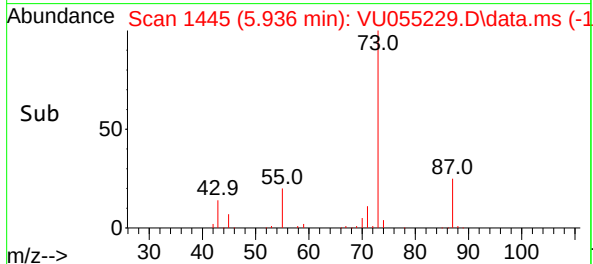
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion: 73 Resp: 40020
Ion Ratio Lower Upper
73 100
87 24.7 18.6 28.0
71 11.5 9.9 14.9

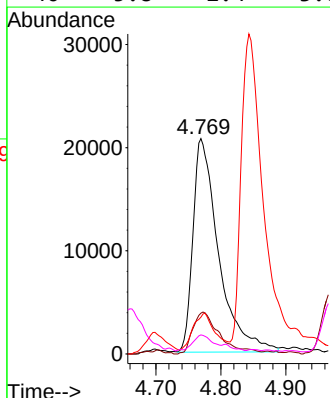
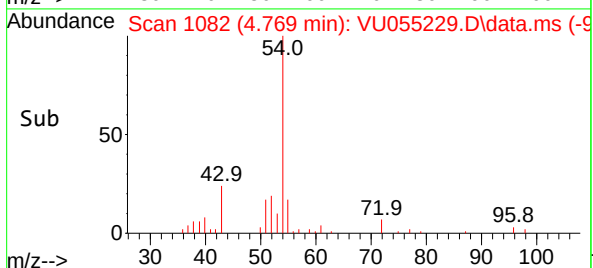
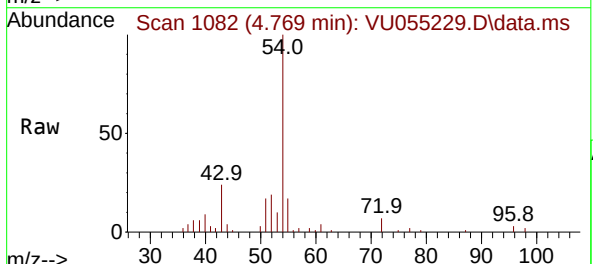
Manual Integrations
APPROVED

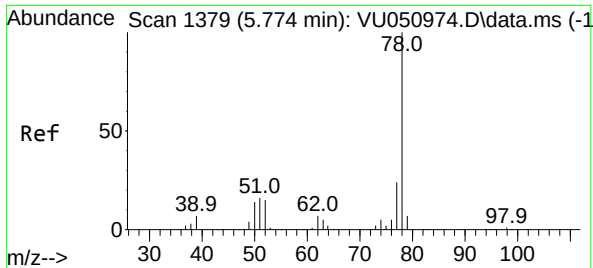
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#34
Propionitrile
Concen: 50.967 ug/l
RT: 4.769 min Scan# 1082
Delta R.T. -0.037 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion: 54 Resp: 57045
Ion Ratio Lower Upper
54 100
52 19.4 17.4 26.0
55 16.4 104.1 156.1#
40 5.8 2.4 3.6#





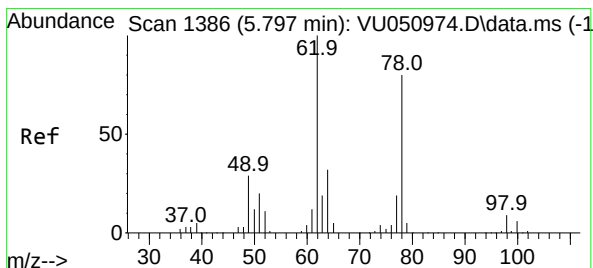
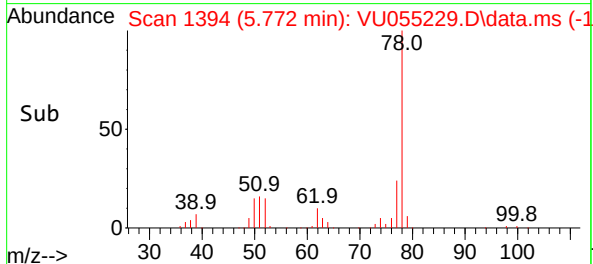
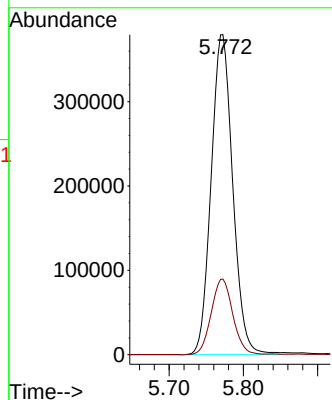
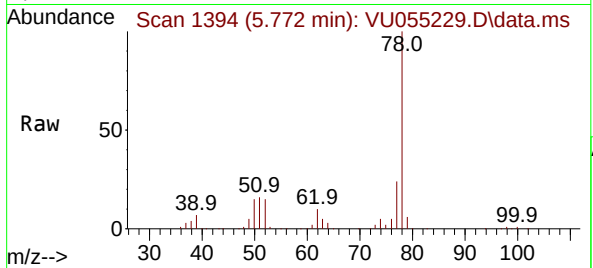
#35
Benzene
Concen: 10.471 ug/l
RT: 5.772 min Scan# 1394
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 78 Resp: 765932
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

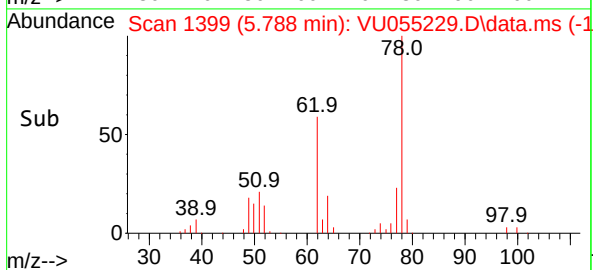
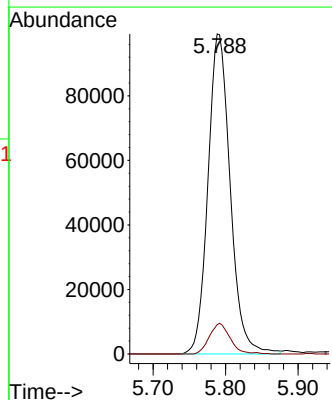
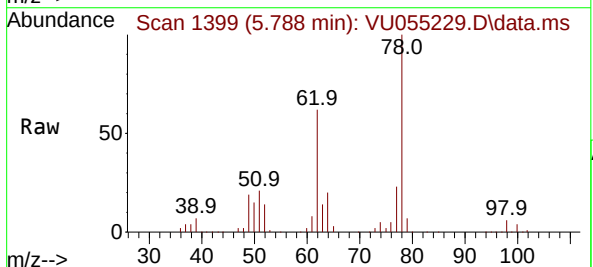
Manual Integrations
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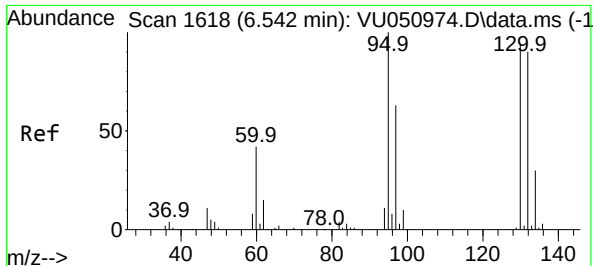
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#36
1,2-Dichloroethane
Concen: 10.068 ug/l
RT: 5.788 min Scan# 1399
Delta R.T. -0.009 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion: 62 Resp: 211556
Ion Ratio Lower Upper
62 100
98 8.8 7.3 10.9





#37

Trichloroethene

Concen: 11.303 ug/l

RT: 6.541 min Scan# 1710

Delta R.T. -0.001 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:130 Resp: 207939

Ion Ratio Lower Upper

130 100

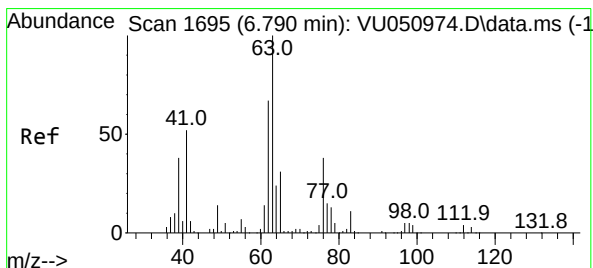
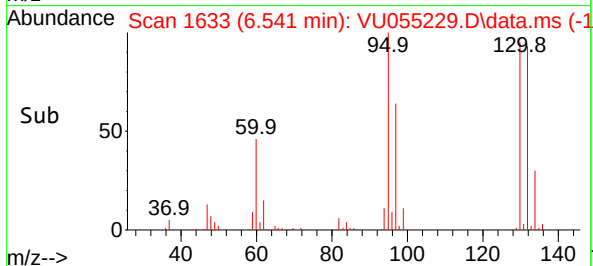
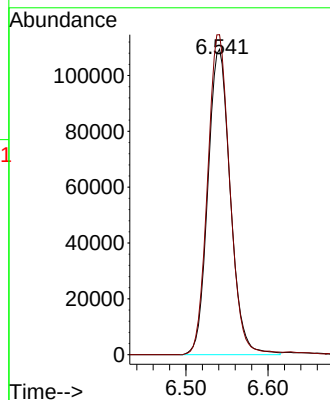
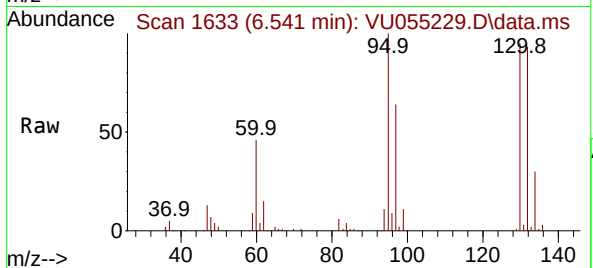
95 104.8 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#38

1,2-Dichloropropane

Concen: 10.580 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. -0.002 min

Lab File: VU055229.D

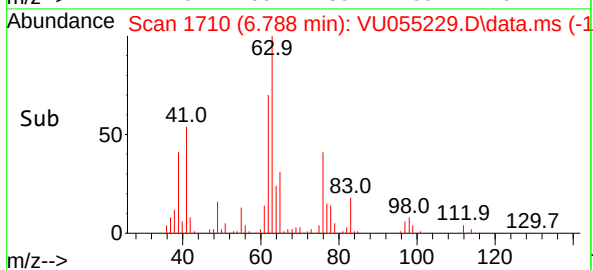
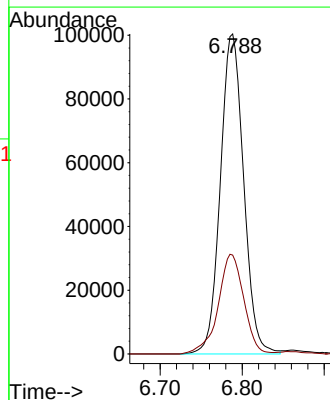
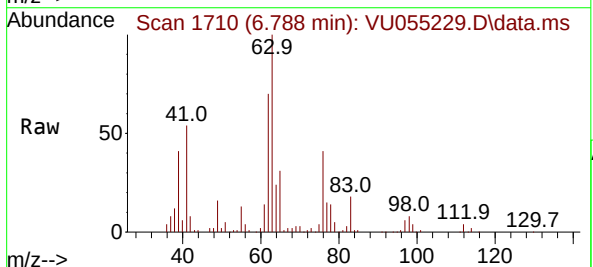
Acq: 11 Sep 2023 10:50

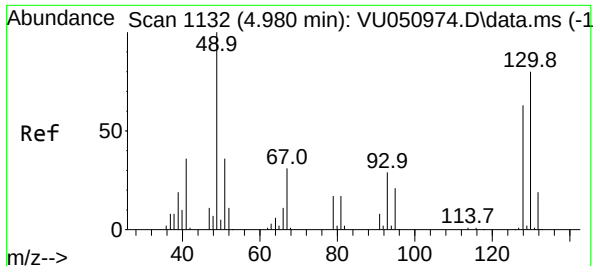
Tgt Ion: 63 Resp: 198296

Ion Ratio Lower Upper

63 100

65 30.9 24.9 37.3





#39

Methacrylonitrile

Concen: 9.705 ug/l

RT: 4.969 min Scan# 1132

Delta R.T. -0.011 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 4433

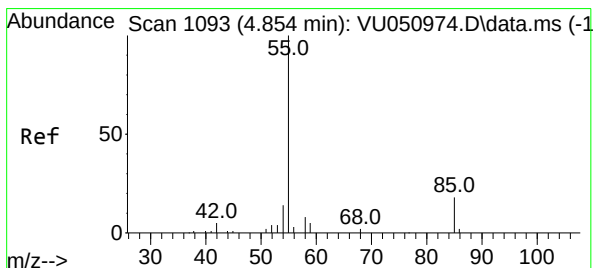
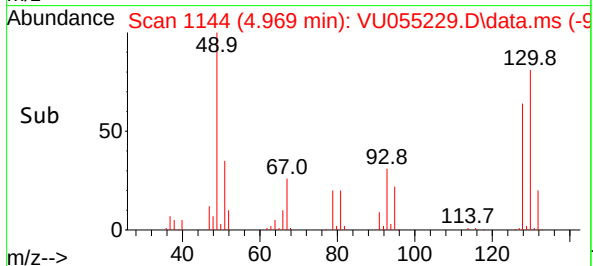
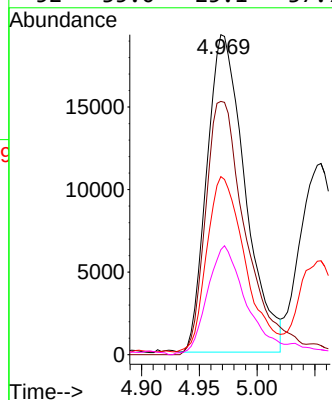
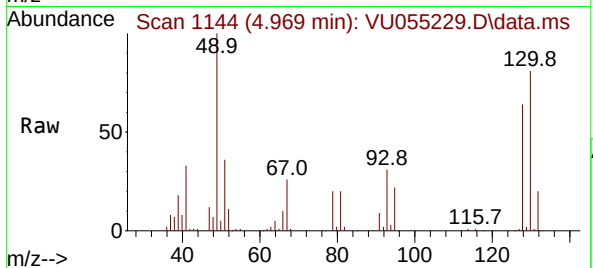
Ion	Ratio	Lower	Upper
41	100		
67	84.5	66.8	100.2
39	55.1	41.2	61.8
52	35.0	25.1	37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#40

Methyl acrylate

Concen: 9.264 ug/l

RT: 4.843 min Scan# 1105

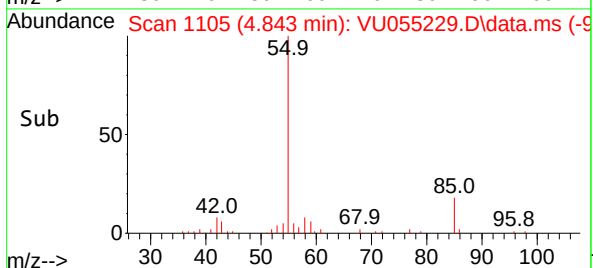
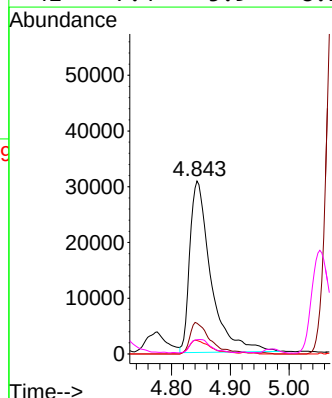
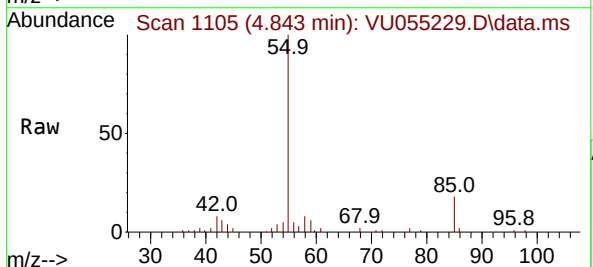
Delta R.T. -0.011 min

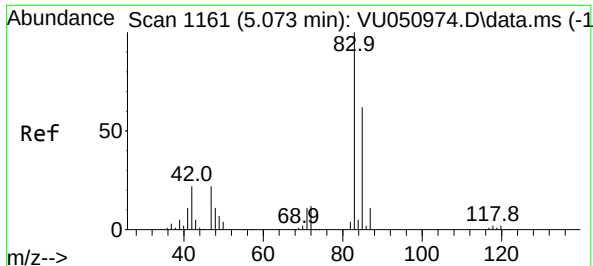
Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Tgt Ion: 55 Resp: 76734

Ion	Ratio	Lower	Upper
55	100		
85	17.7	13.3	19.9
58	8.2	6.5	9.7
42	7.4	5.9	8.9





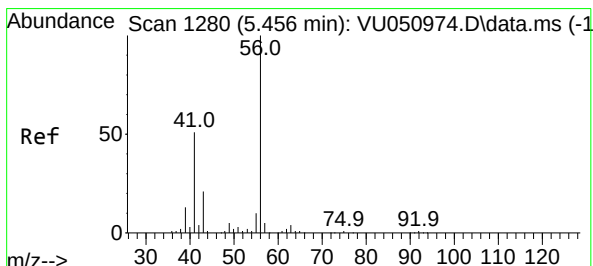
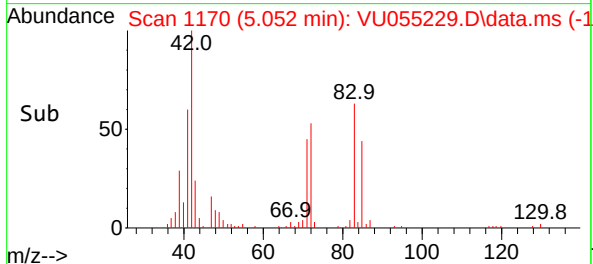
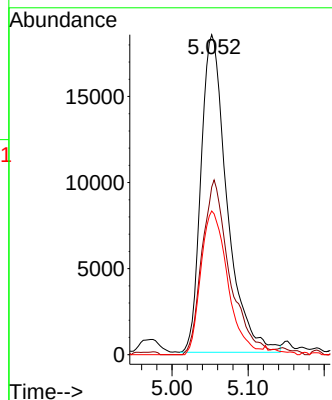
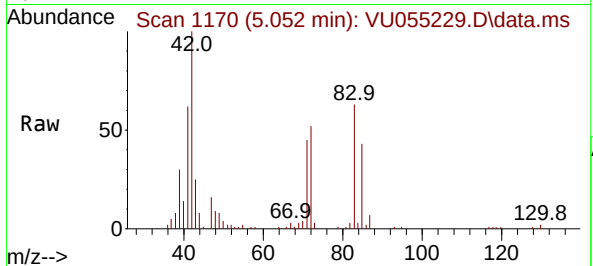
#41
Tetrahydrofuran
Concen: 18.432 ug/l
RT: 5.052 min Scan# 1161
Delta R.T. -0.021 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 4396
Ion Ratio Lower Upper
42 100
72 58.2 40.9 61.3
71 46.5 36.9 55.3

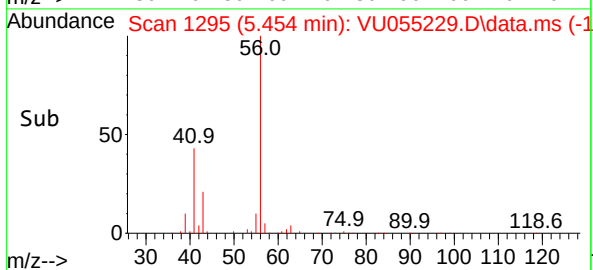
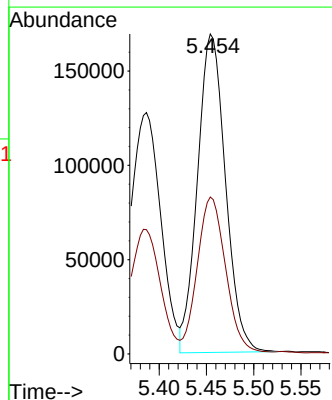
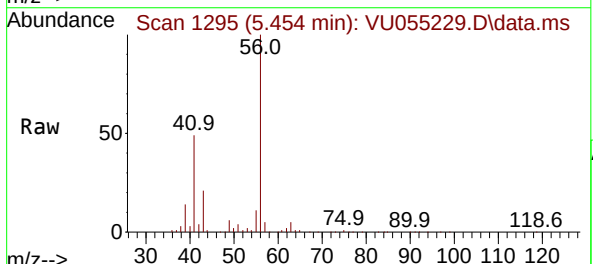
Manual Integrations
APPROVED

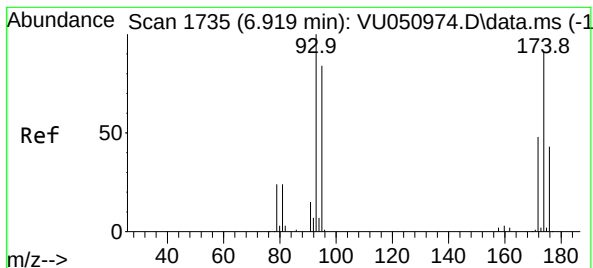
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#42
1-Chlorobutane
Concen: 10.440 ug/l
RT: 5.454 min Scan# 1295
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion: 56 Resp: 347225
Ion Ratio Lower Upper
56 100
41 49.2 25.2 75.6





#43

Dibromomethane

Concen: 10.507 ug/l

RT: 6.917 min Scan# 11

Delta R.T. -0.002 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 93 Resp: 9381

Ion Ratio Lower Upper

93 100

95 81.9 67.0 100.6

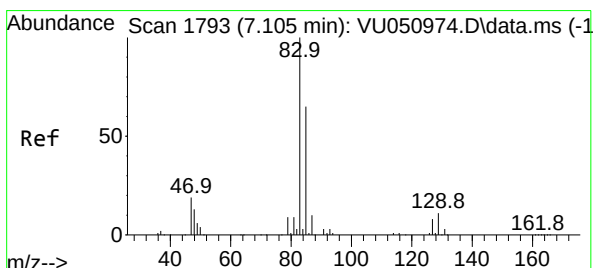
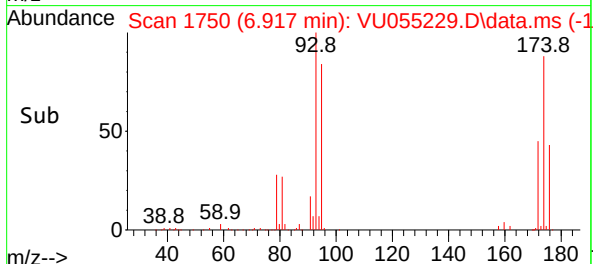
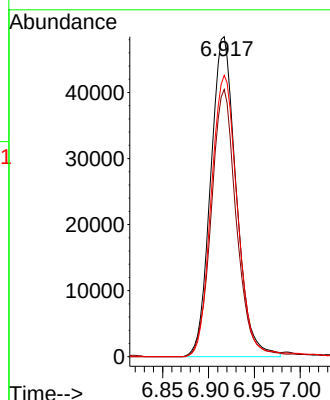
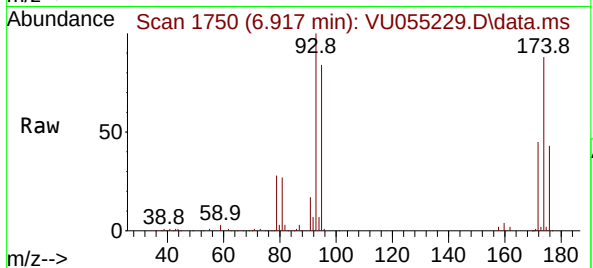
174 90.9 73.8 110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#44

Bromodichloromethane

Concen: 11.131 ug/l

RT: 7.103 min Scan# 1808

Delta R.T. -0.002 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

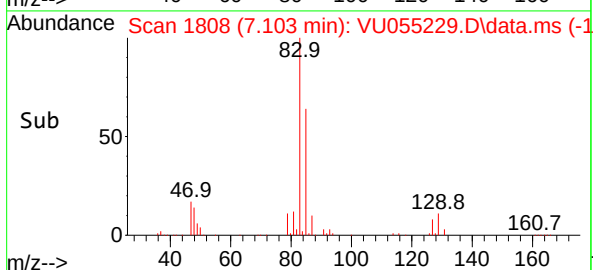
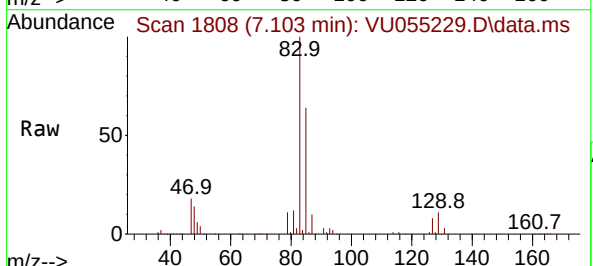
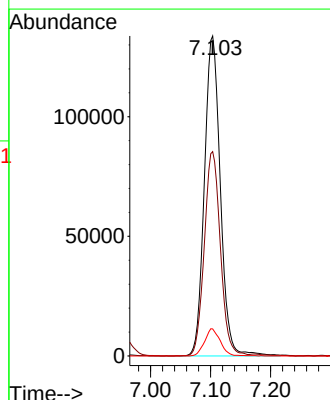
Tgt Ion: 83 Resp: 248532

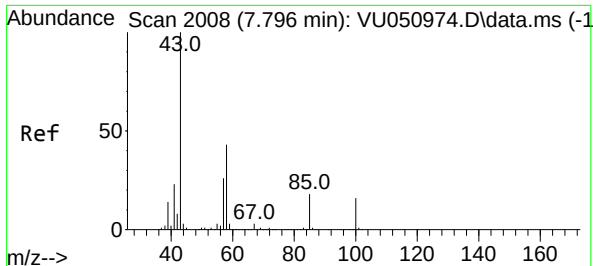
Ion Ratio Lower Upper

83 100

85 63.8 51.9 77.9

127 8.4 6.7 10.1





#45

4-Methyl-2-Pentanone

Concen: 51.358 ug/l

RT: 7.785 min Scan# 2008

Delta R.T. -0.011 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 475690

Ion Ratio Lower Upper

43 100

58 42.0 20.9 62.8

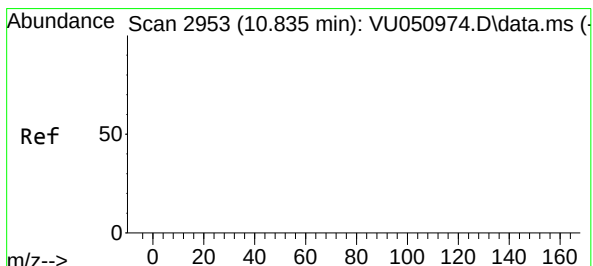
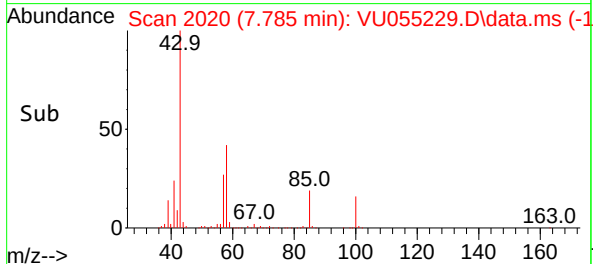
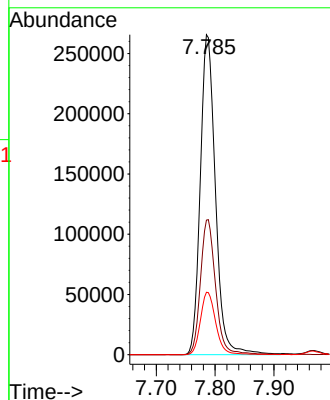
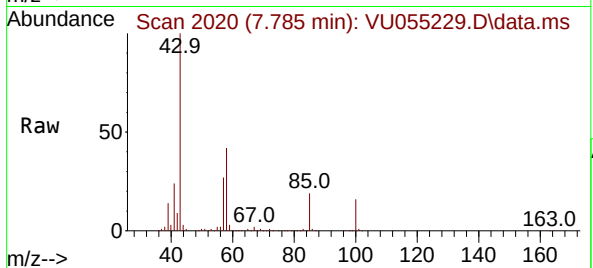
85 19.7 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#46

t-1,4-Dichloro-2-butene

Concen: 15.412 ug/l m

RT: 10.830 min Scan# 2967

Delta R.T. -0.005 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Tgt Ion: 75 Resp: 78259

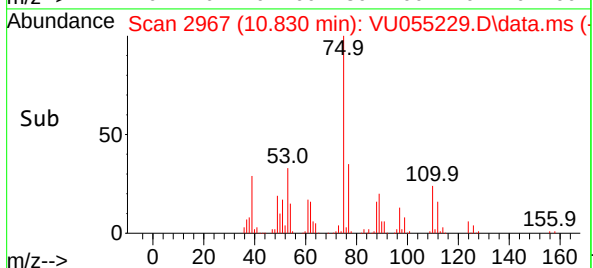
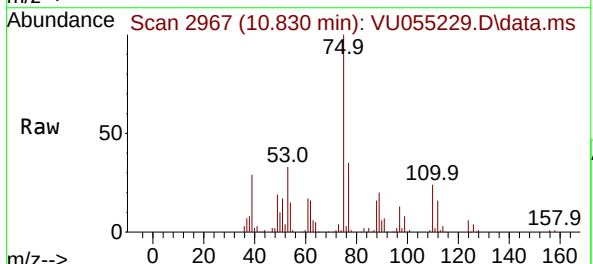
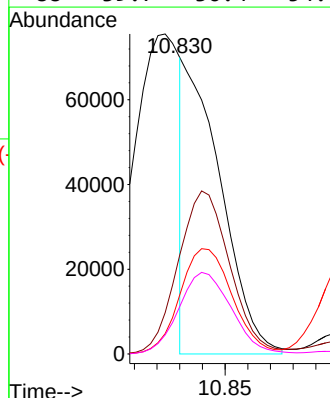
Ion Ratio Lower Upper

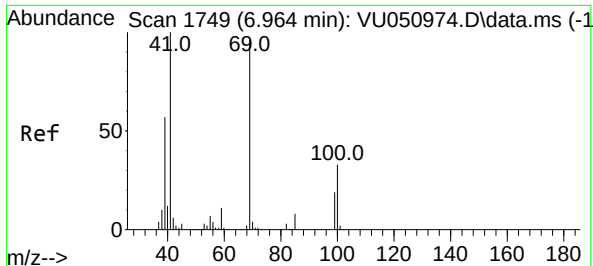
75 100

53 78.2 73.3 109.9

89 51.3 48.2 72.4

88 39.7 36.4 54.6





#47

Methyl methacrylate

Concen: 19.236 ug/l

RT: 6.959 min Scan# 1

Delta R.T. -0.005 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 69 Resp: 157919

Ion Ratio Lower Upper

69 100

41 100.1 0.0 209.2

39 59.4 46.7 70.1

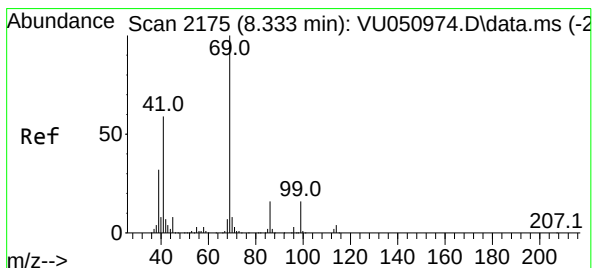
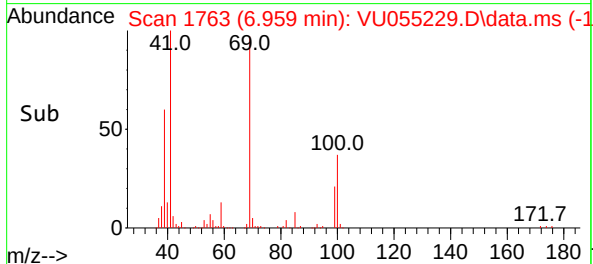
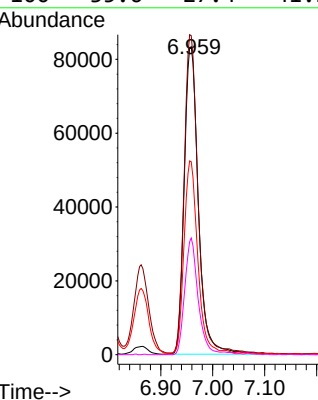
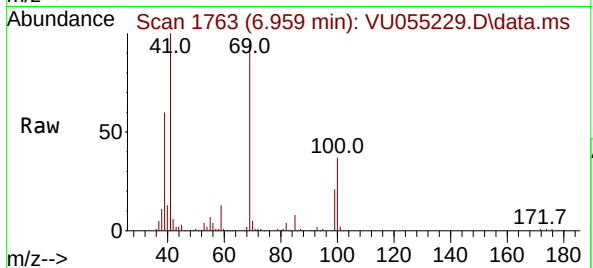
100 35.6 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#48

Ethyl methacrylate

Concen: 9.842 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. -0.001 min

Lab File: VU055229.D

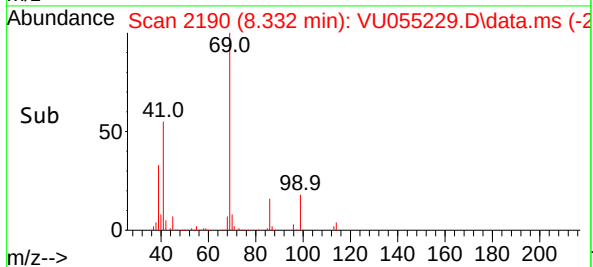
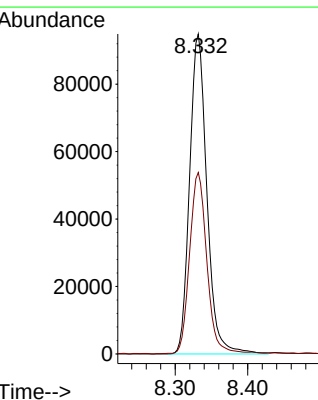
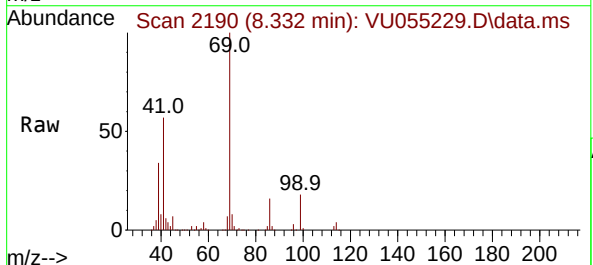
Acq: 11 Sep 2023 10:50

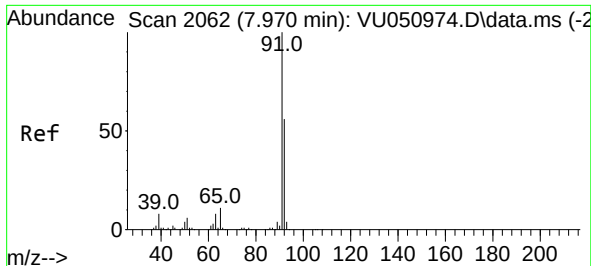
Tgt Ion: 69 Resp: 156704

Ion Ratio Lower Upper

69 100

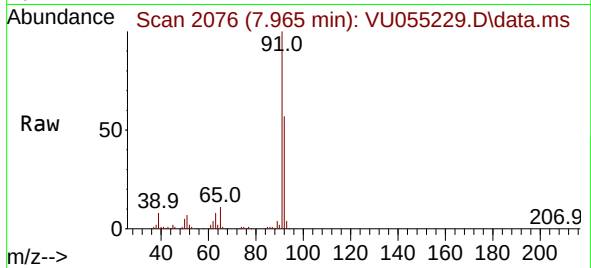
41 56.7 30.3 90.8





#49
Toluene
Concen: 10.738 ug/l
RT: 7.965 min Scan# 2062
Delta R.T. -0.005 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

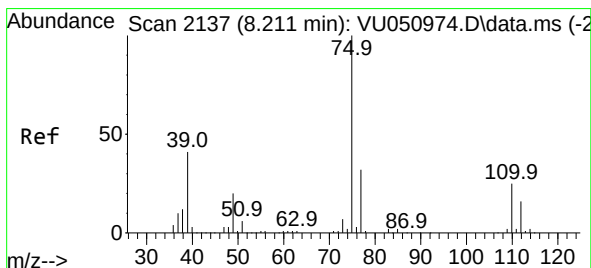
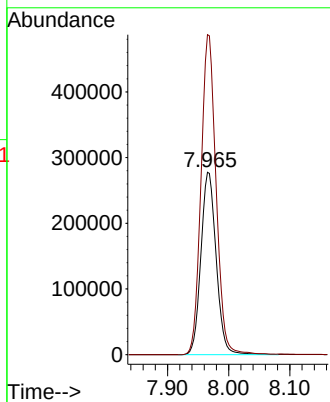
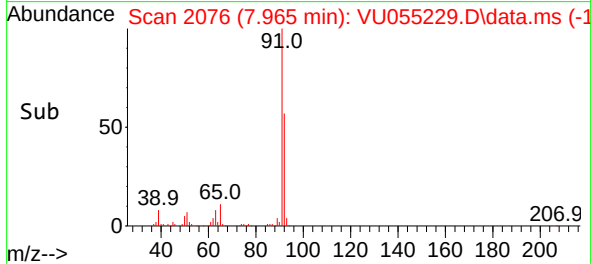
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion: 92 Resp: 48142
Ion Ratio Lower Upper
92 100
91 173.8 143.0 214.6

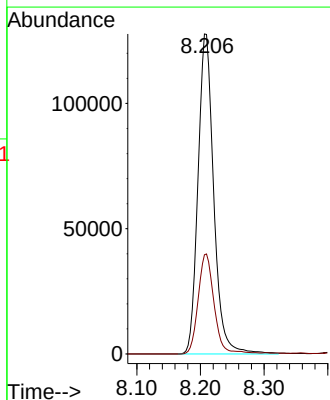
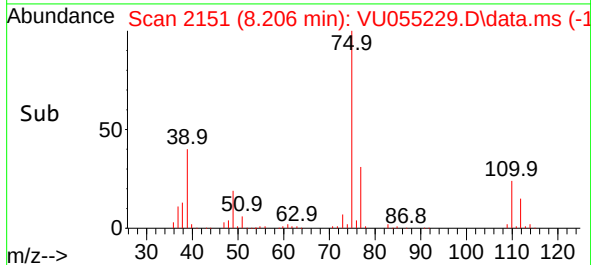
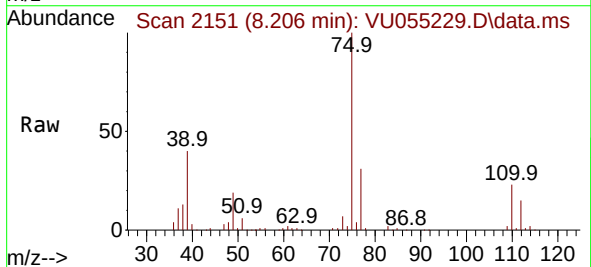
Manual Integrations
APPROVED

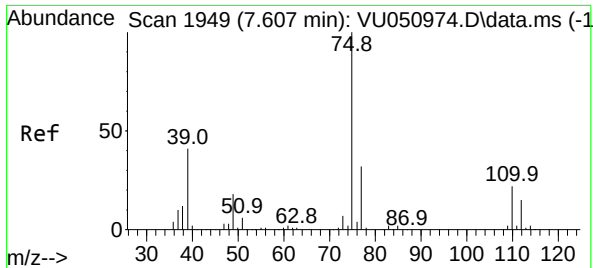
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#50
t-1,3-Dichloropropene
Concen: 10.615 ug/l
RT: 8.206 min Scan# 2151
Delta R.T. -0.005 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

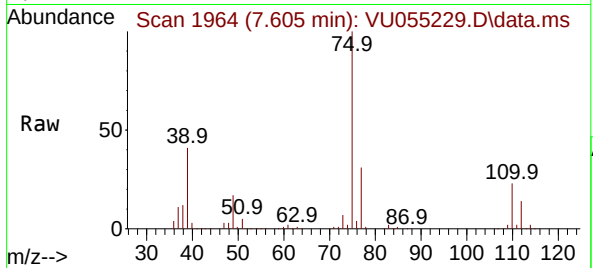
Tgt Ion: 75 Resp: 219535
Ion Ratio Lower Upper
75 100
77 31.0 25.3 37.9





#51
 cis-1,3-Dichloropropene
 Concen: 10.573 ug/l
 RT: 7.605 min Scan# 1949
 Delta R.T. -0.002 min
 Lab File: VU055229.D
 Acq: 11 Sep 2023 10:50

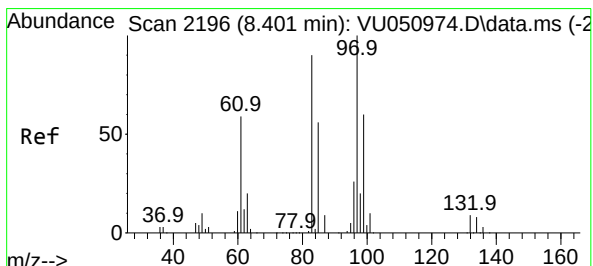
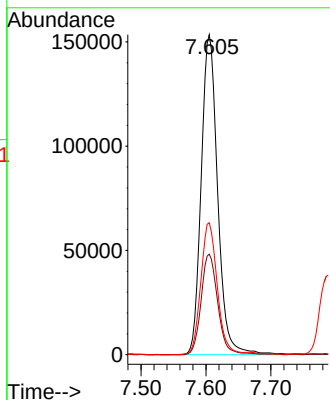
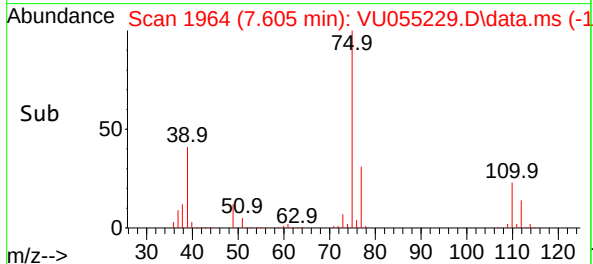
Instrument : MSVOA_U
 ClientSampleId : VSTDICCC010



Tgt Ion: 75 Resp: 270810
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.7 38.5
 39 41.2 32.8 49.2

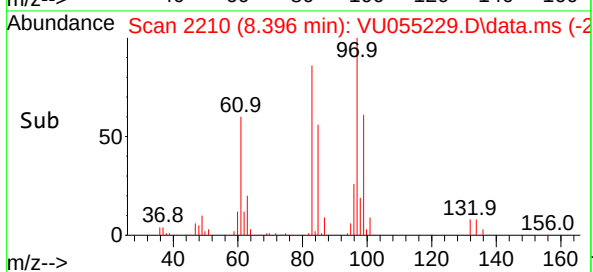
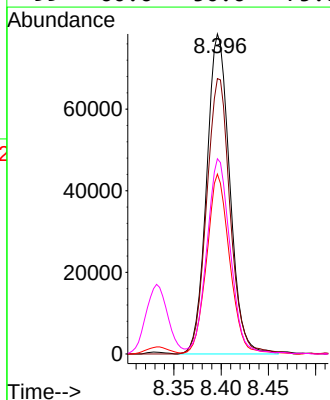
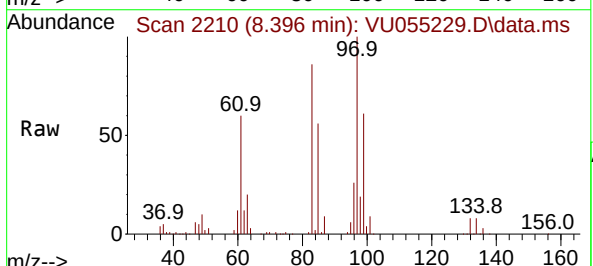
Manual Integrations
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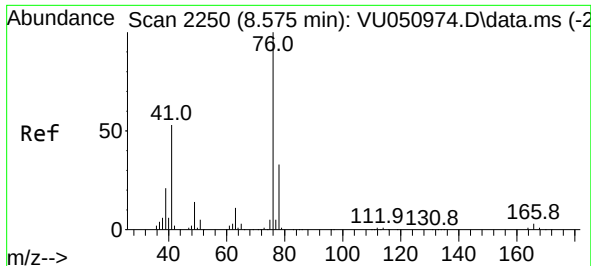
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#52
 1,1,2-Trichloroethane
 Concen: 10.324 ug/l
 RT: 8.396 min Scan# 2210
 Delta R.T. -0.005 min
 Lab File: VU055229.D
 Acq: 11 Sep 2023 10:50

Tgt Ion: 97 Resp: 133675
 Ion Ratio Lower Upper
 97 100
 83 86.0 71.8 107.8
 85 55.8 45.2 67.8
 99 60.6 50.6 75.8





#53

1,3-Dichloropropane

Concen: 10.277 ug/l

RT: 8.573 min Scan# 21

Delta R.T. -0.002 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 76 Resp: 229544

Ion Ratio Lower Upper

76 100

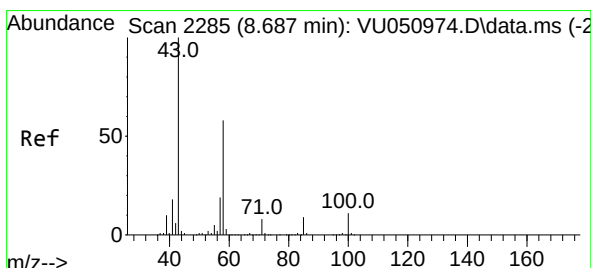
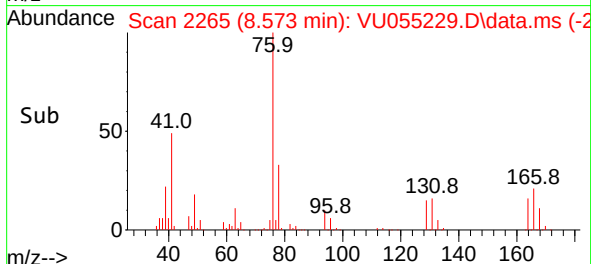
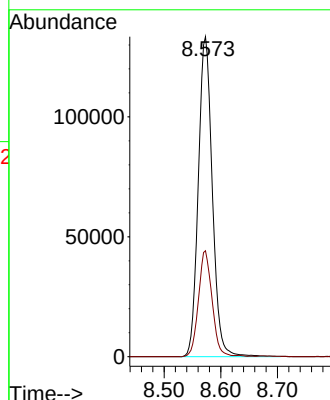
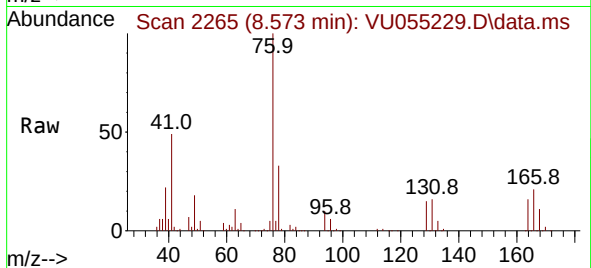
78 32.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#54

2-Hexanone

Concen: 52.301 ug/l

RT: 8.679 min Scan# 2298

Delta R.T. -0.008 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

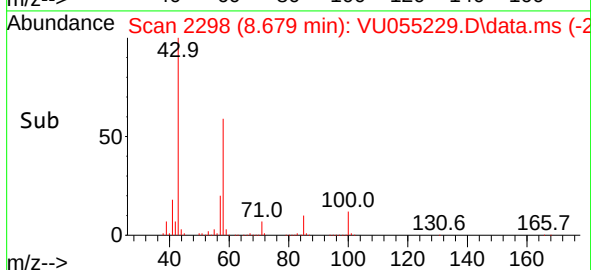
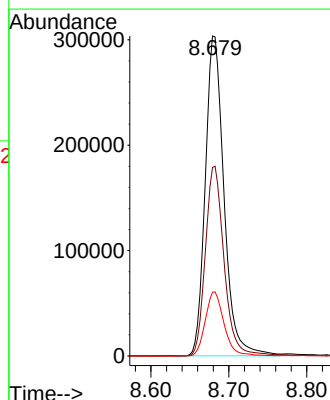
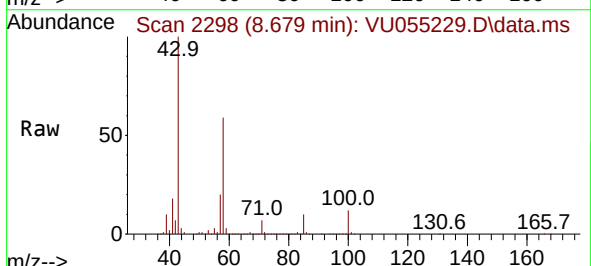
Tgt Ion: 43 Resp: 508245

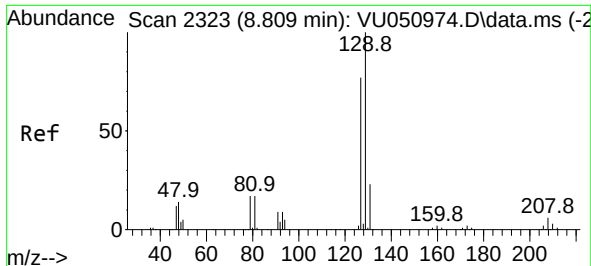
Ion Ratio Lower Upper

43 100

58 59.5 38.2 78.2

57 20.0 0.0 39.1





#55

Dibromochloromethane

Concen: 11.629 ug/l

RT: 8.808 min Scan# 21

Delta R.T. -0.001 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:129 Resp: 153278

Ion Ratio Lower Upper

129 100

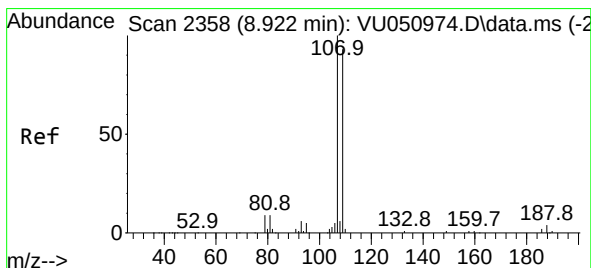
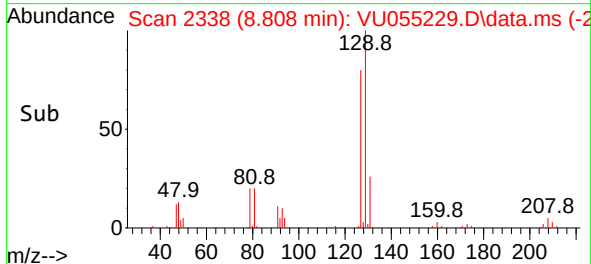
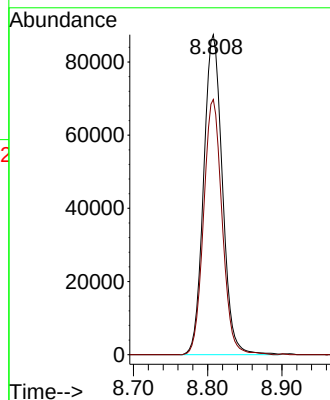
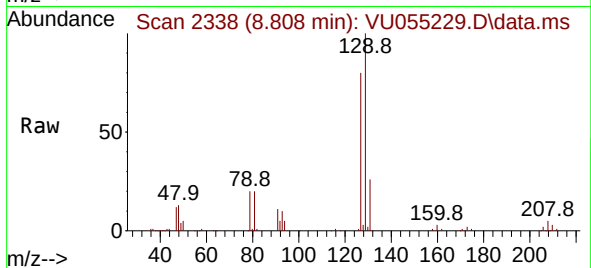
127 78.8 61.4 92.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#56

1,2-Dibromoethane

Concen: 10.417 ug/l

RT: 8.920 min Scan# 2373

Delta R.T. -0.002 min

Lab File: VU055229.D

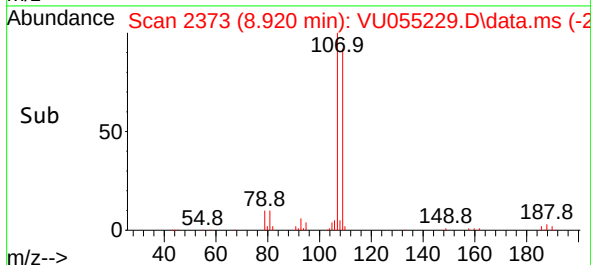
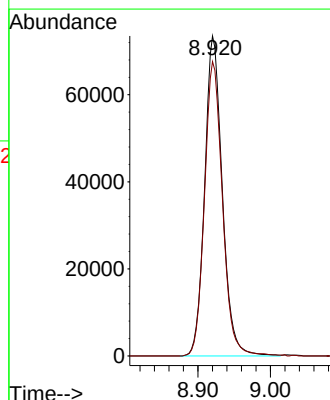
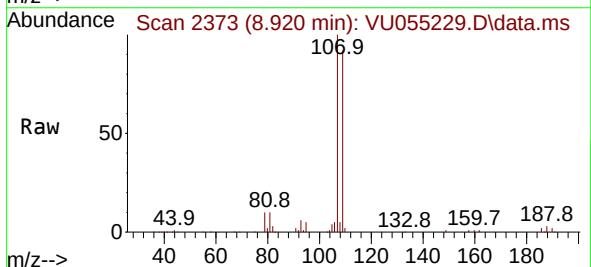
Acq: 11 Sep 2023 10:50

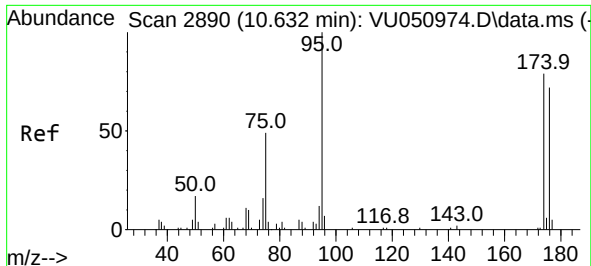
Tgt Ion:107 Resp: 124262

Ion Ratio Lower Upper

107 100

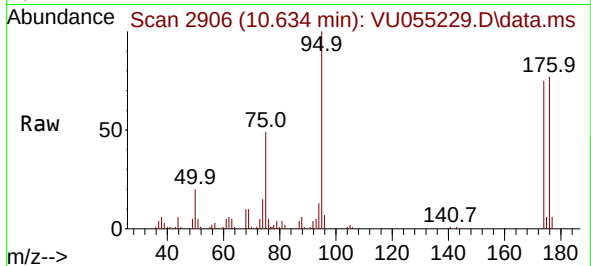
109 94.0 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 1.070 ug/l
RT: 10.634 min Scan# 2906
Delta R.T. 0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

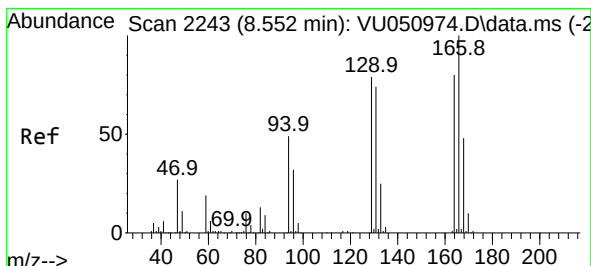
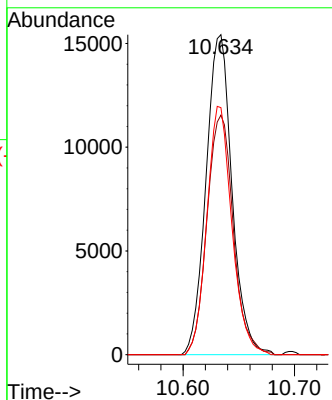
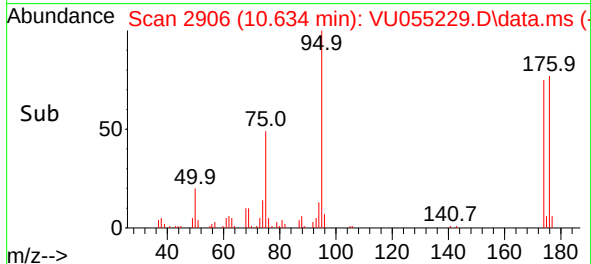
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion: 95 Resp: 2503
Ion Ratio Lower Upper
95 100
174 75.8 63.3 94.9
176 74.8 59.3 88.9

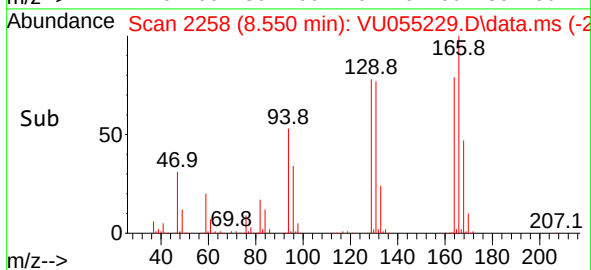
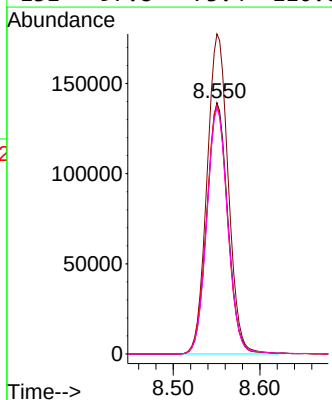
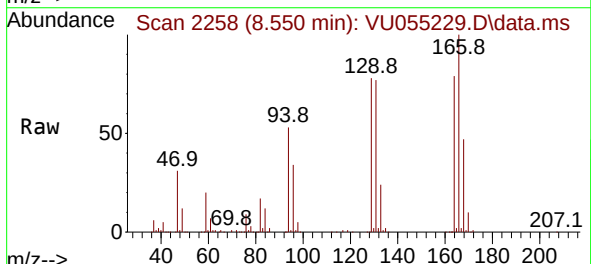
Manual Integrations
APPROVED

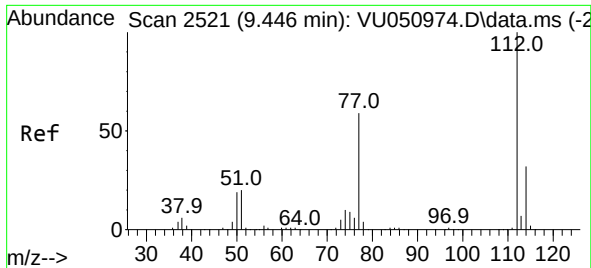
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#58
Tetrachloroethene
Concen: 13.677 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

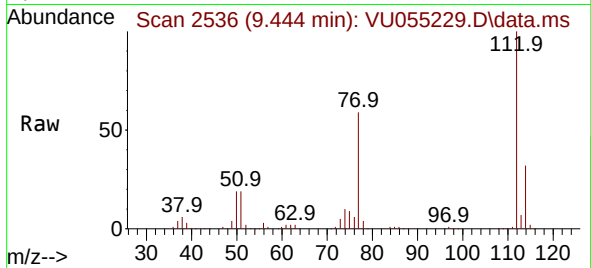
Tgt Ion:164 Resp: 235291
Ion Ratio Lower Upper
164 100
166 127.4 99.6 149.4
129 99.2 78.6 117.8
131 97.8 73.4 110.0





#59
Chlorobenzene
Concen: 10.662 ug/l
RT: 9.444 min Scan# 2536
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

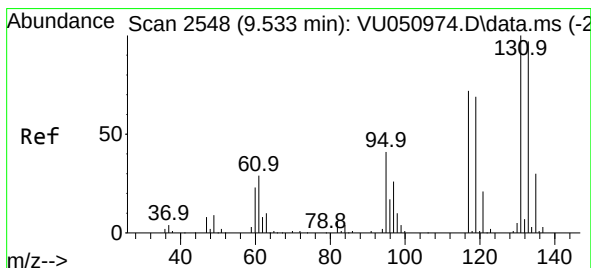
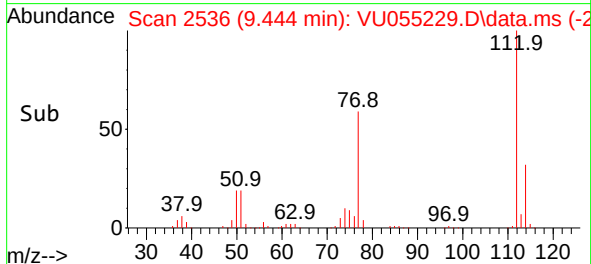
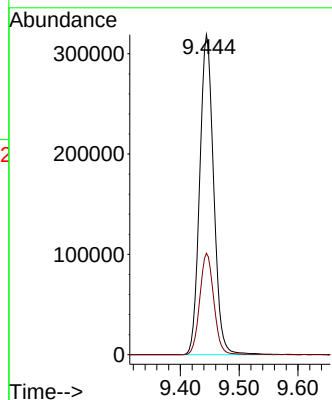
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion:112 Resp: 52624
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

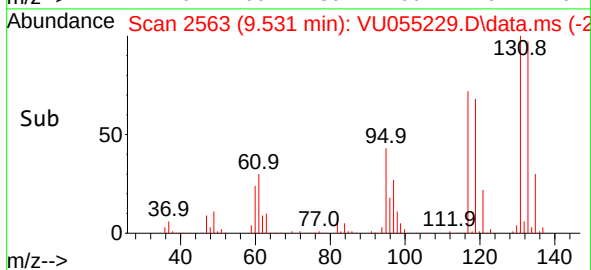
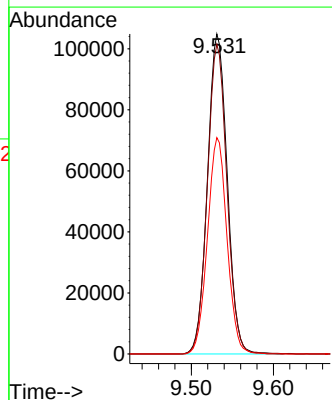
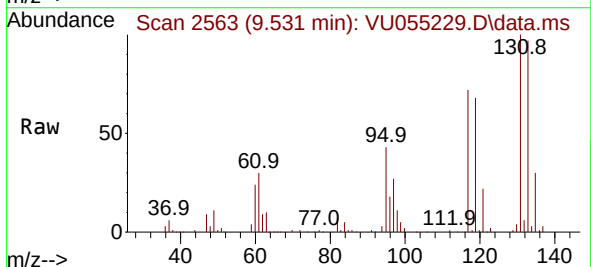
Manual Integrations
APPROVED

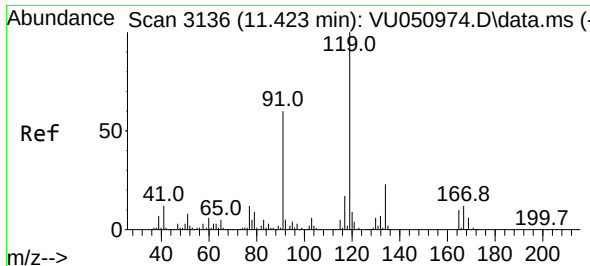
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 11.720 ug/l
RT: 9.531 min Scan# 2563
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion:131 Resp: 175834
Ion Ratio Lower Upper
131 100
133 95.9 77.8 116.6
119 66.9 55.2 82.8





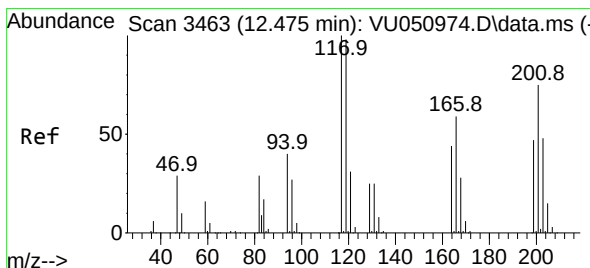
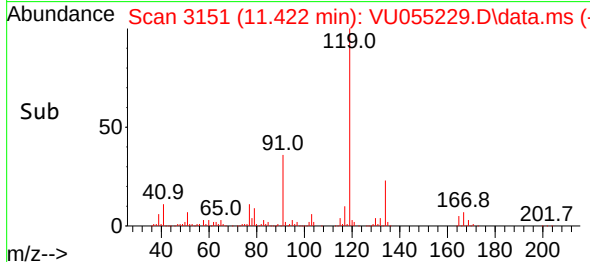
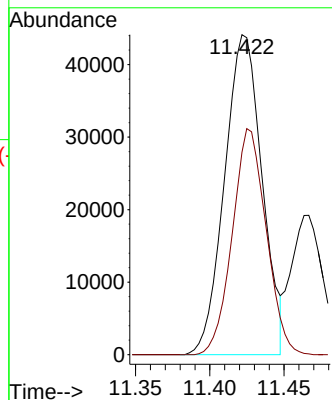
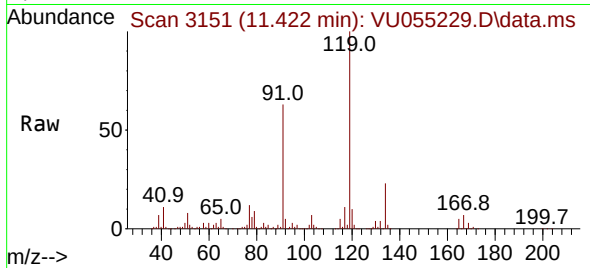
#61
Pentachloroethane
Concen: 7.353 ug/l
RT: 11.422 min Scan# 3136
Delta R.T. -0.001 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 7751
Ion Ratio Lower Upper
117 100
167 63.9 56.7 85.1

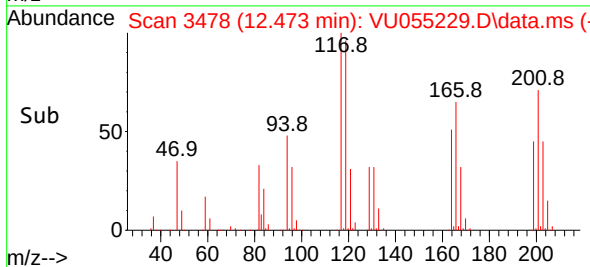
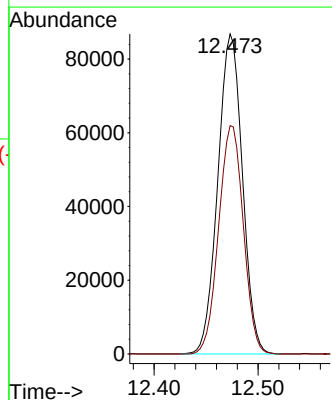
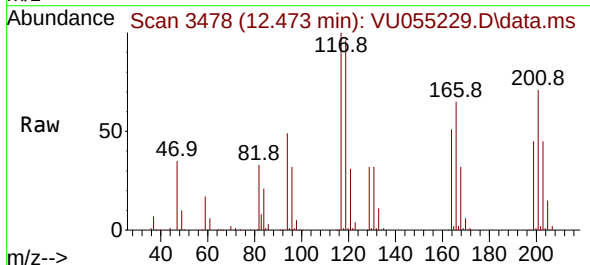
Manual Integrations
APPROVED

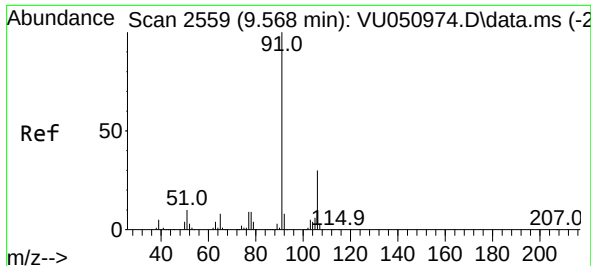
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#62
Hexachloroethane
Concen: 11.784 ug/l
RT: 12.473 min Scan# 3478
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion:117 Resp: 142875
Ion Ratio Lower Upper
117 100
201 71.5 59.6 89.4





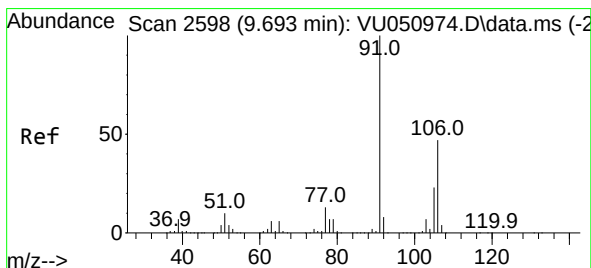
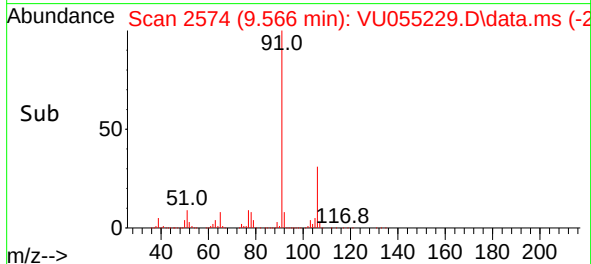
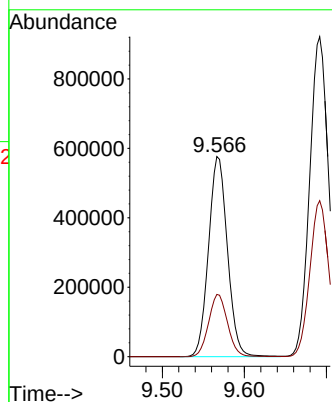
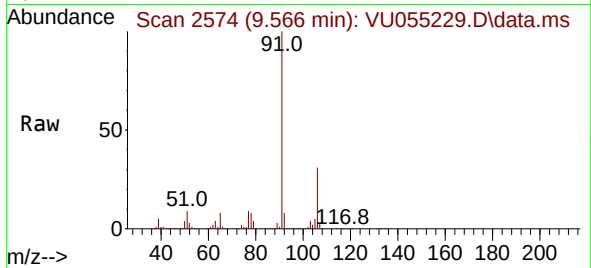
#63
Ethyl Benzene
Concen: 10.687 ug/l
RT: 9.566 min Scan# 2155
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 92515
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.2

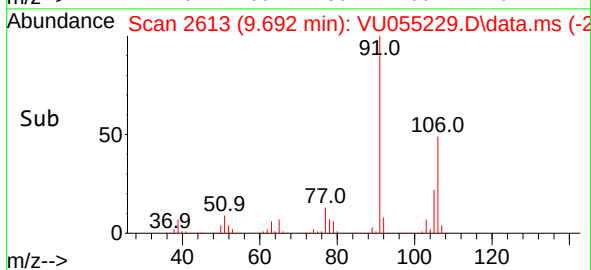
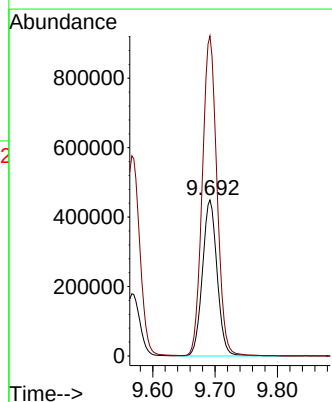
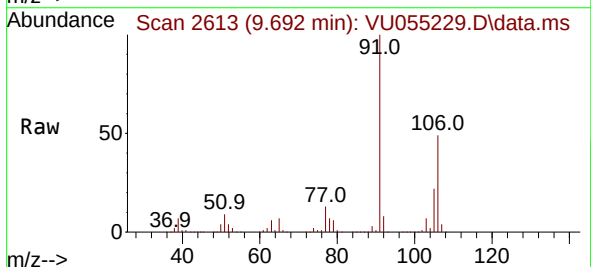
Manual Integrations
APPROVED

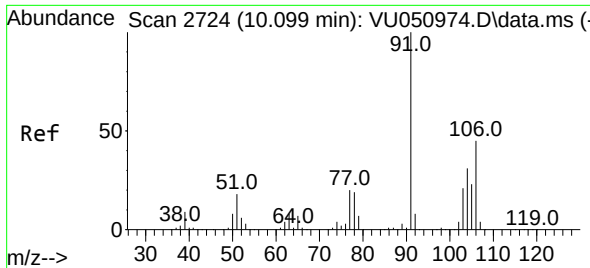
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#64
m/p-Xylenes
Concen: 22.149 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.001 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion:106 Resp: 733053
Ion Ratio Lower Upper
106 100
91 205.4 167.3 250.9





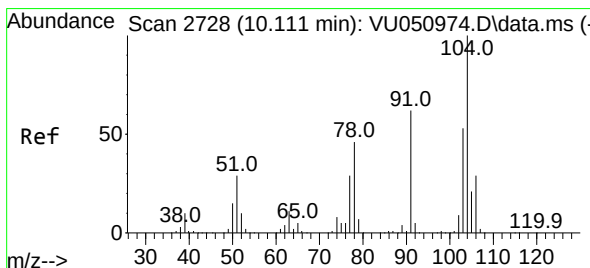
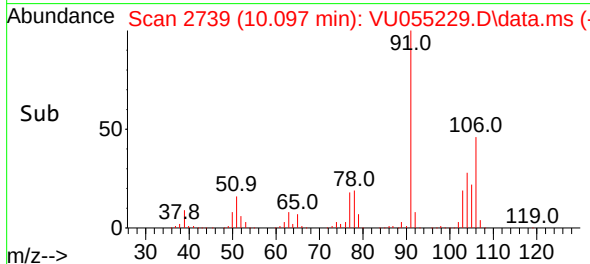
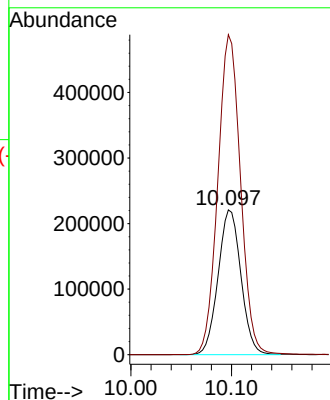
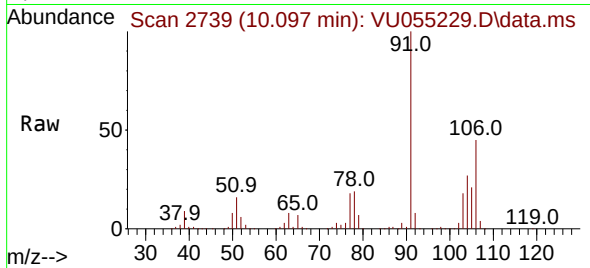
#65
o-Xylene
Concen: 10.769 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:106 Resp: 348789
Ion Ratio Lower Upper
106 100
91 219.7 109.3 327.9

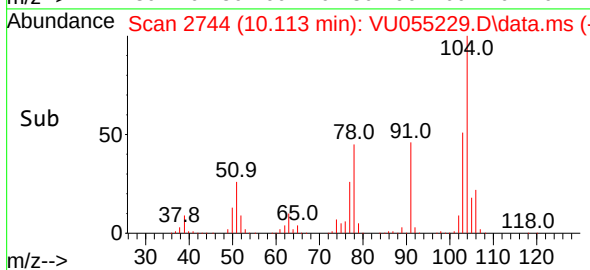
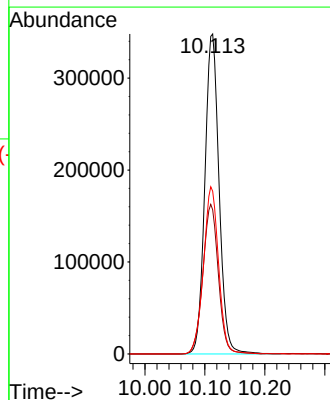
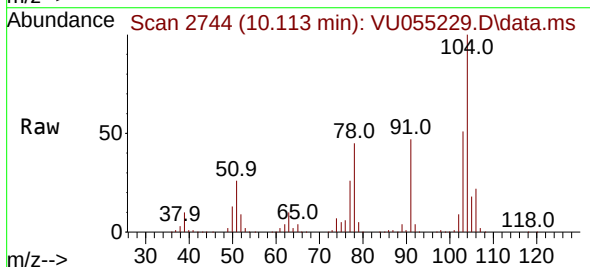
Manual Integrations
APPROVED

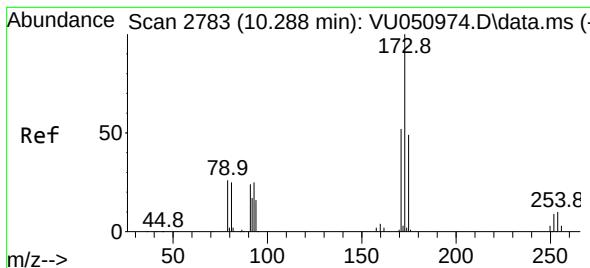
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#66
Styrene
Concen: 11.578 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion:104 Resp: 576541
Ion Ratio Lower Upper
104 100
78 50.8 39.7 59.5
103 55.5 44.8 67.2





#67

Bromoform

Concen: 12.778 ug/l

RT: 10.290 min Scan# 21

Delta R.T. 0.002 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

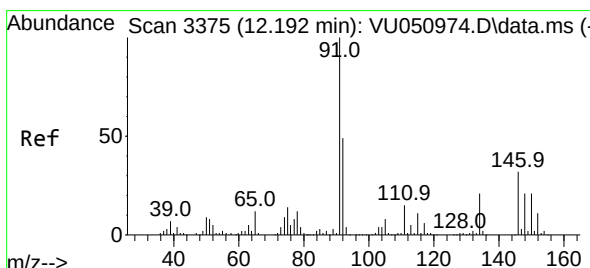
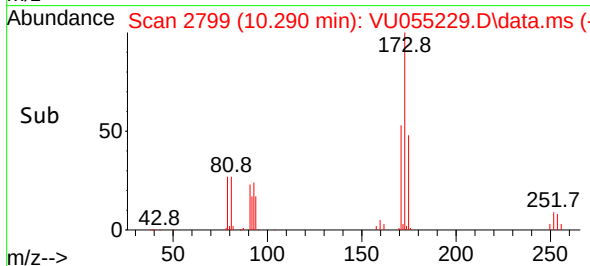
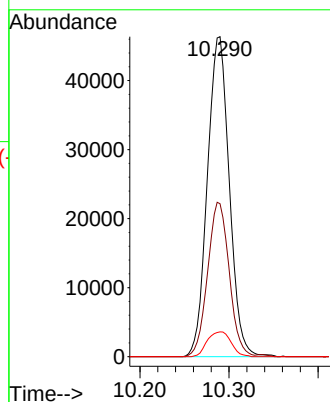
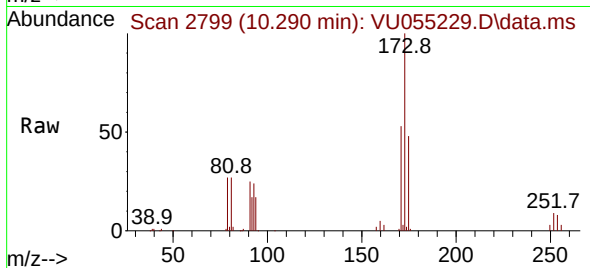
Tgt Ion:173	Resp:	7926
Ion Ratio	Lower	Upper
173	100	
175	47.4	39.0 58.6
254	8.4	7.4 11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#68

1,2-Dichlorobenzene-d4

Concen: 1.096 ug/l

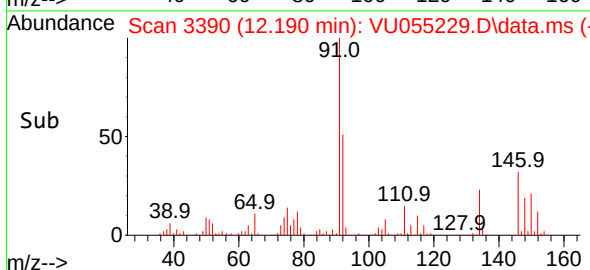
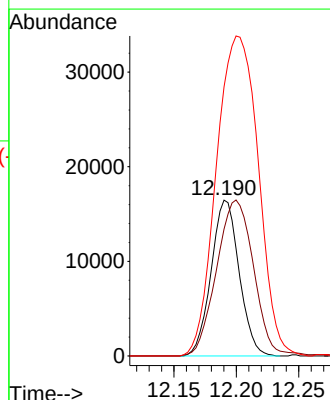
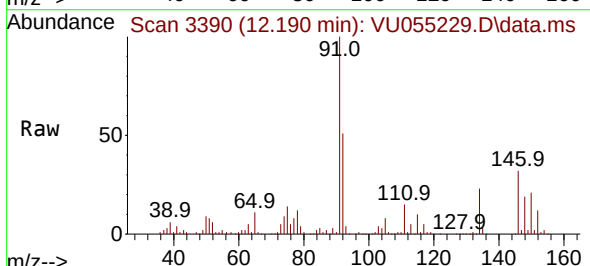
RT: 12.190 min Scan# 3390

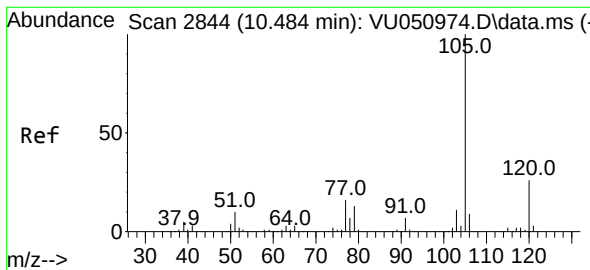
Delta R.T. -0.002 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Tgt Ion:152	Resp:	25736
Ion Ratio	Lower	Upper
152	100	
115	132.8	0.0 308.8
150	307.7	0.0 635.0





#69

Isopropylbenzene

Concen: 10.750 ug/l

RT: 10.483 min Scan# 2844

Delta R.T. -0.001 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 91173

Ion Ratio Lower Upper

105 100

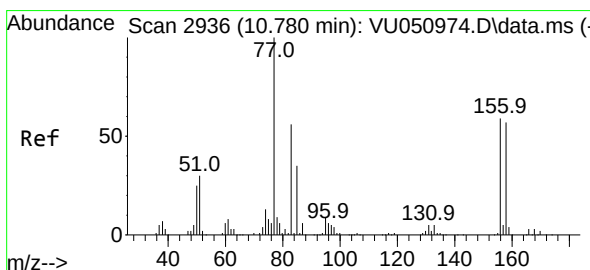
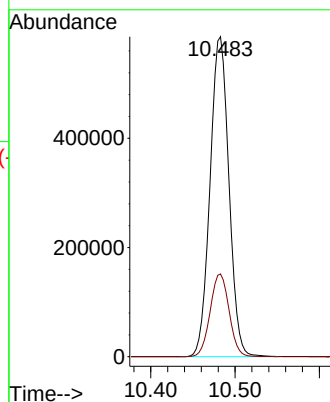
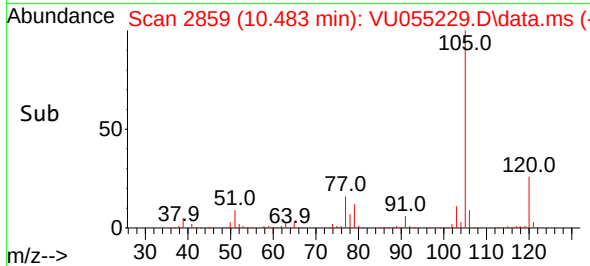
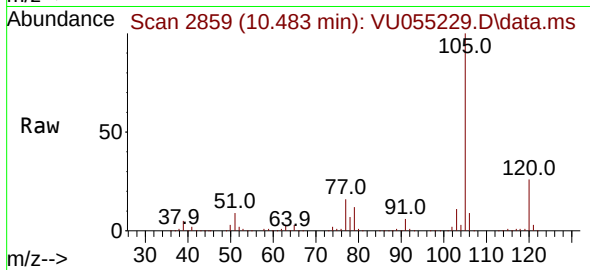
120 26.0 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#70

1,1,2,2-Tetrachloroethane

Concen: 8.611 ug/l

RT: 10.779 min Scan# 2951

Delta R.T. -0.001 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

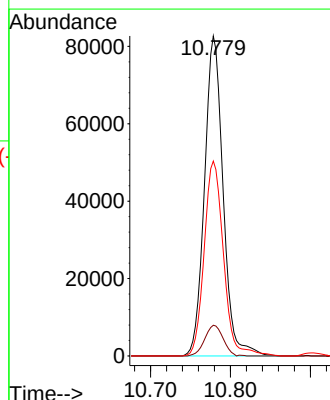
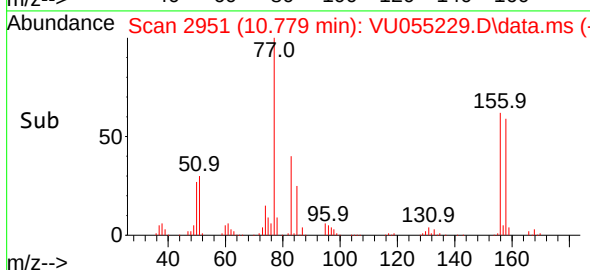
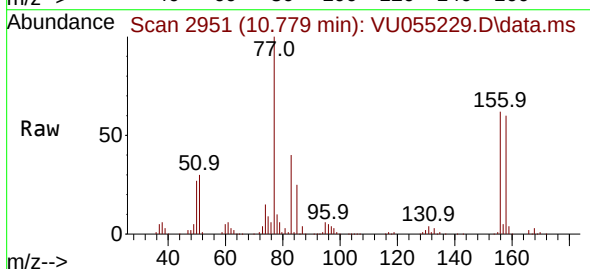
Tgt Ion: 83 Resp: 134214

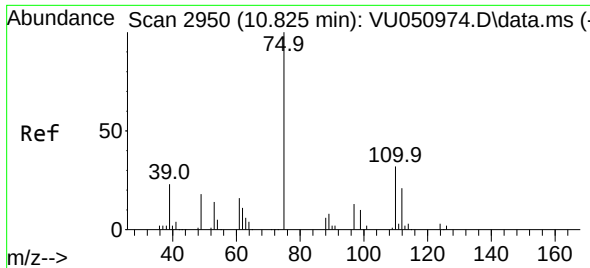
Ion Ratio Lower Upper

83 100

131 9.5 7.2 10.8

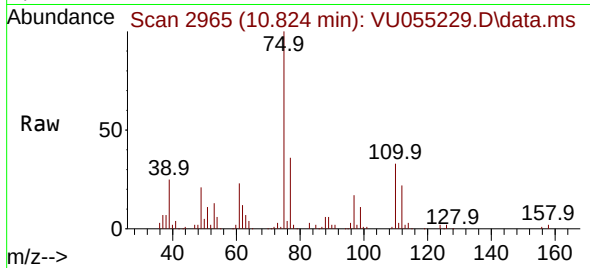
85 63.2 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 10.801 ug/l m
RT: 10.824 min Scan# 2950
Delta R.T. -0.001 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

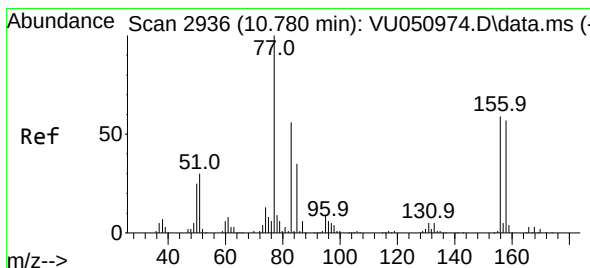
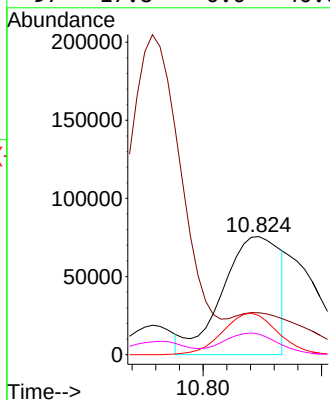
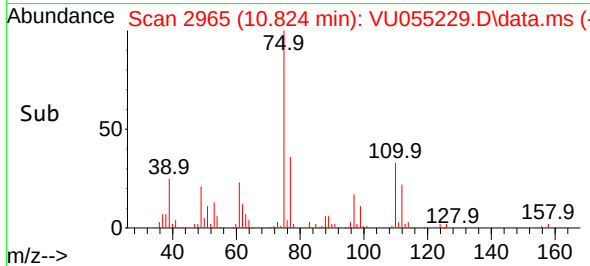
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



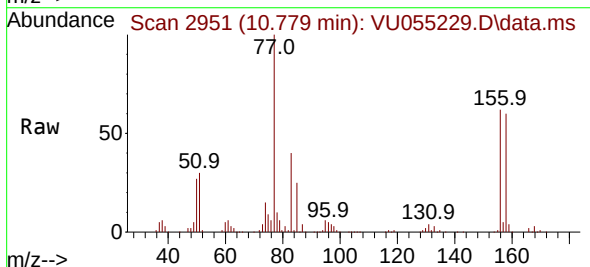
Tgt Ion: 75 Resp: 12711
Ion Ratio Lower Upper
75 100
77 0.0 0.0 116.4
110 34.0 0.0 74.6
97 17.8 0.0 40.0

Manual Integrations
APPROVED

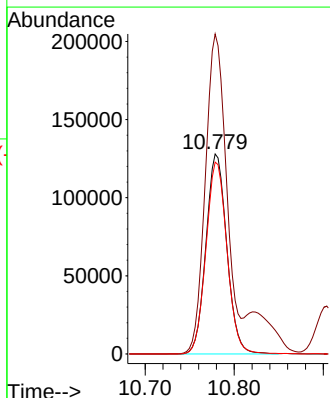
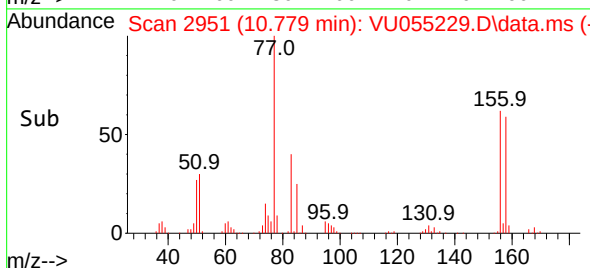
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

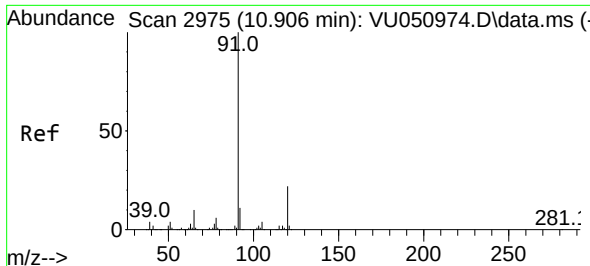


#72
Bromobenzene
Concen: 11.690 ug/l
RT: 10.779 min Scan# 2951
Delta R.T. -0.001 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50



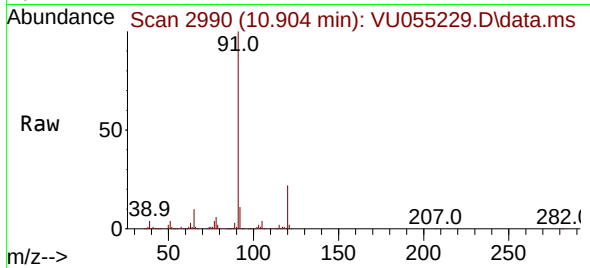
Tgt Ion:156 Resp: 207687
Ion Ratio Lower Upper
156 100
77 162.0 0.0 343.0
158 97.2 0.0 194.8





#73
n-propylbenzene
Concen: 11.548 ug/l
RT: 10.904 min Scan# 2975
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

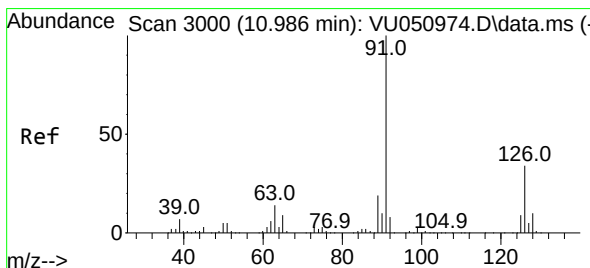
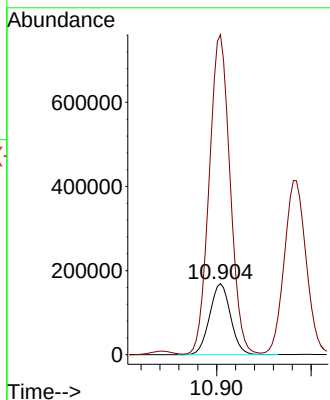
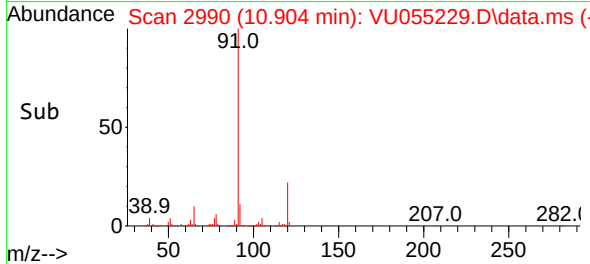
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



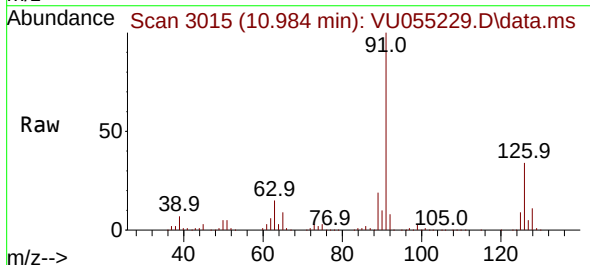
Tgt Ion:120 Resp: 258733
Ion Ratio Lower Upper
120 100
91 449.9 369.8 554.6

Manual Integrations
APPROVED

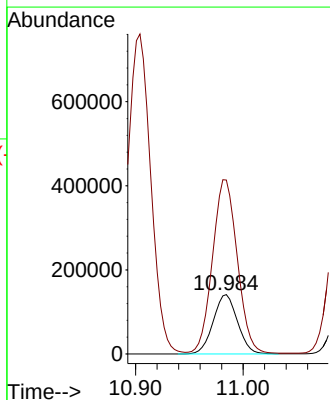
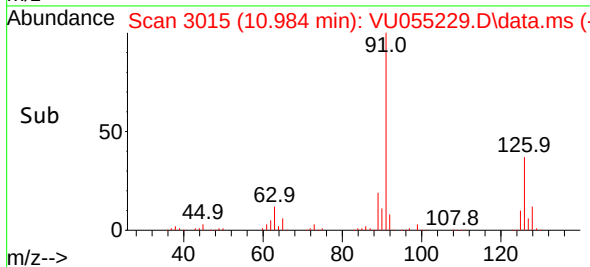
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

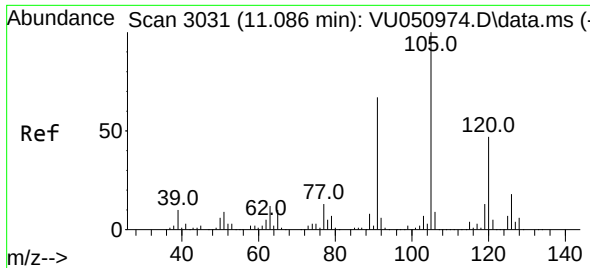


#74
2-Chlorotoluene
Concen: 11.427 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50



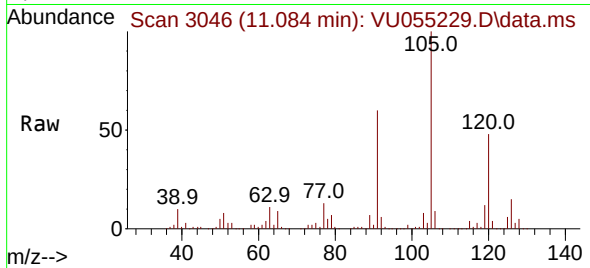
Tgt Ion:126 Resp: 221346
Ion Ratio Lower Upper
126 100
91 300.0 0.0 610.0





#75
1,3,5-Trimethylbenzene
Concen: 11.522 ug/l
RT: 11.084 min Scan# 3031
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

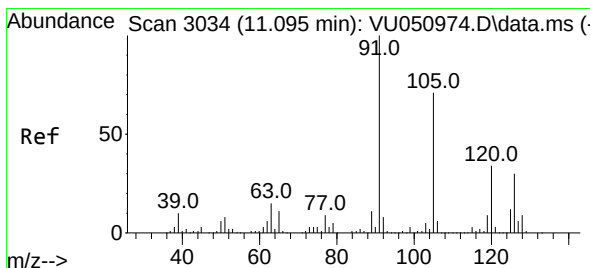
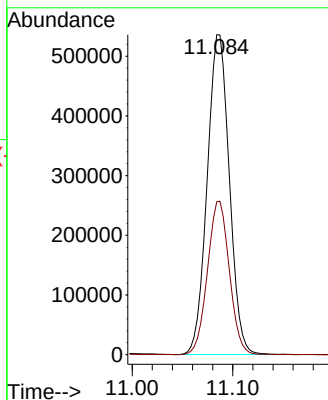
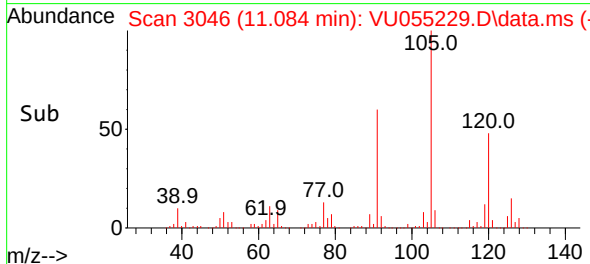
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



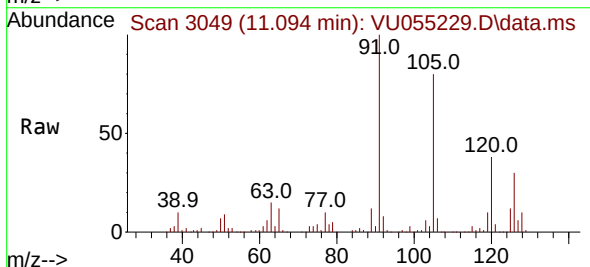
Tgt Ion:105 Resp: 820534
Ion Ratio Lower Upper
105 100
120 47.4 37.8 56.8

Manual Integrations
APPROVED

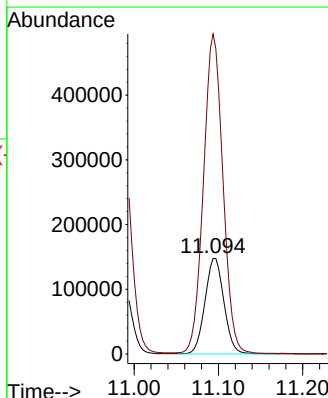
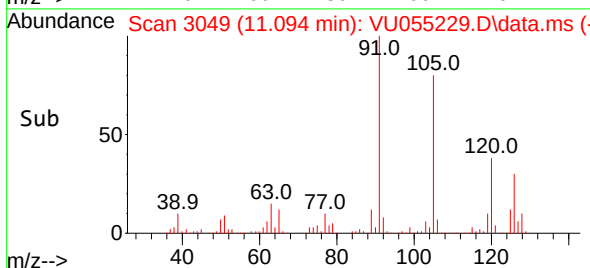
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

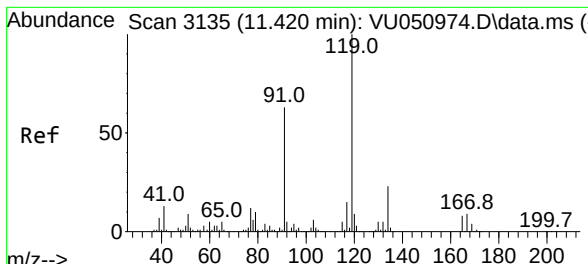


#76
4-Chlorotoluene
Concen: 11.473 ug/l
RT: 11.094 min Scan# 3049
Delta R.T. -0.001 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50



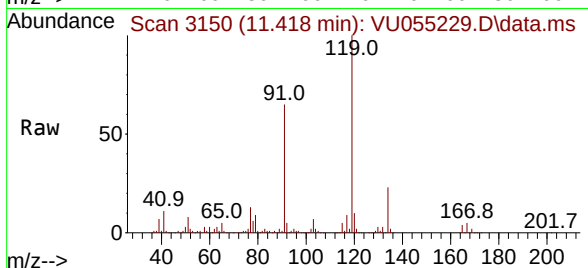
Tgt Ion:126 Resp: 230763
Ion Ratio Lower Upper
126 100
91 345.3 0.0 686.2





#77
tert-Butylbenzene
Concen: 10.863 ug/l
RT: 11.418 min Scan# 3115
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

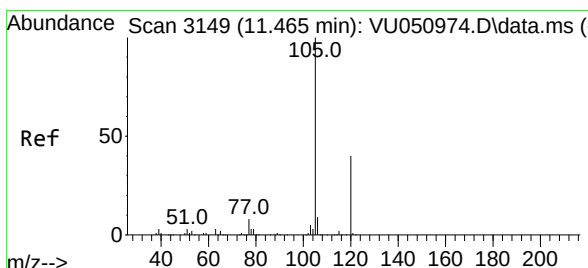
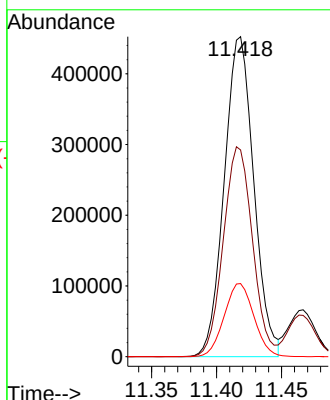
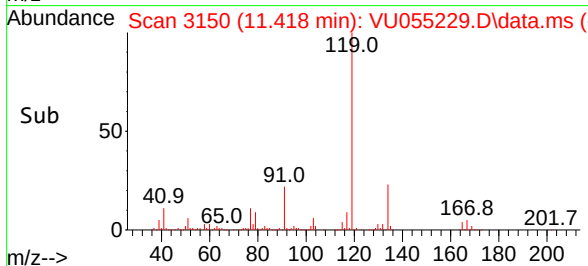
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



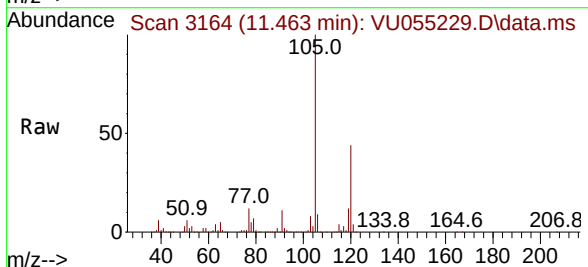
Tgt Ion:119 Resp: 71707
Ion Ratio Lower Upper
119 100
91 64.7 30.8 92.4
134 23.0 18.0 27.0

Manual Integrations
APPROVED

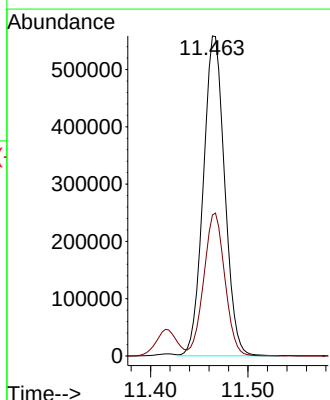
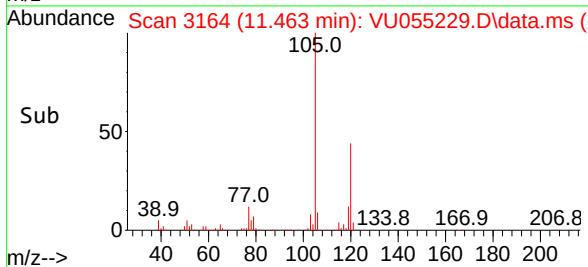
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

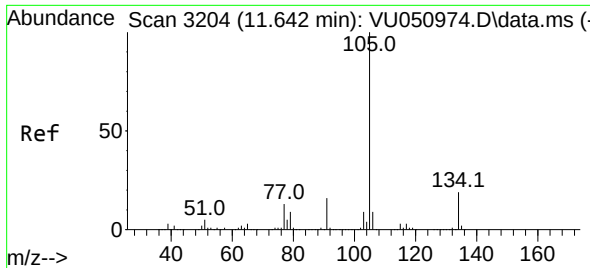


#78
1,2,4-Trimethylbenzene
Concen: 11.727 ug/l
RT: 11.463 min Scan# 3164
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50



Tgt Ion:105 Resp: 850529
Ion Ratio Lower Upper
105 100
120 44.0 21.9 65.8





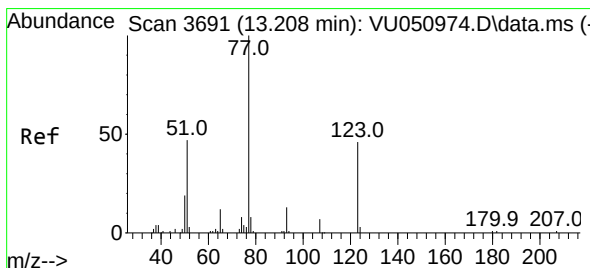
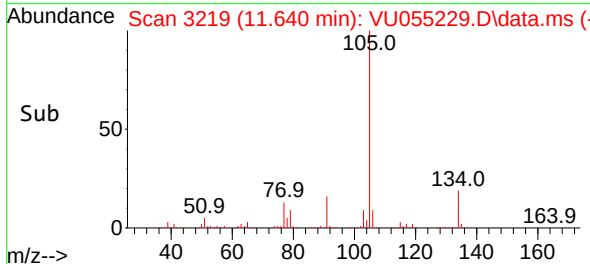
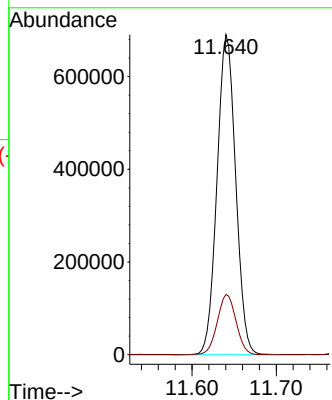
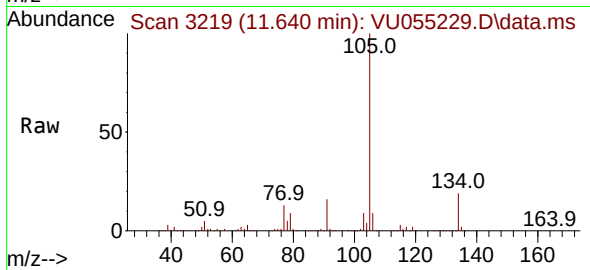
#79
 sec-Butylbenzene
 Concen: 11.126 ug/l
 RT: 11.640 min Scan# 31
 Delta R.T. -0.002 min
 Lab File: VU055229.D
 Acq: 11 Sep 2023 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion:105 Resp: 105785
 Ion Ratio Lower Upper
 105 100
 134 19.0 14.9 22.3

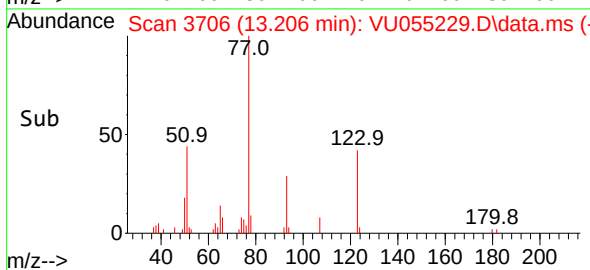
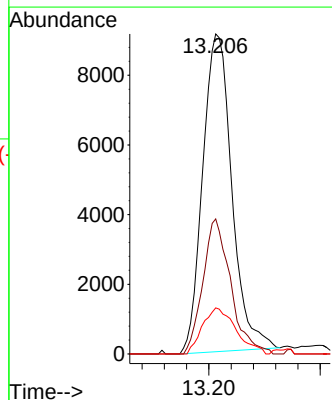
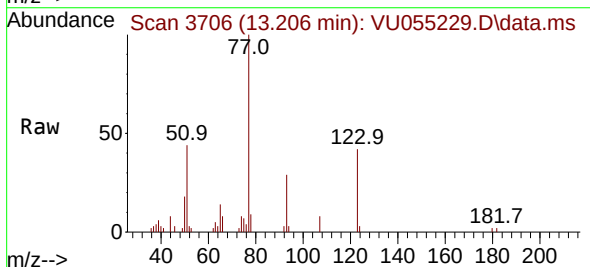
Manual Integrations
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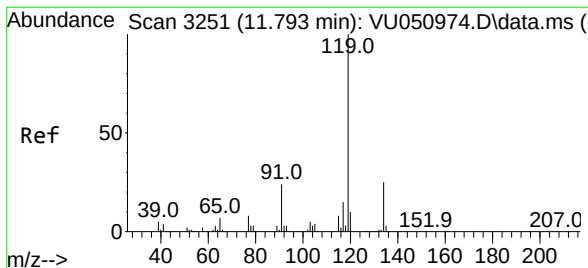
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#80
 Nitrobenzene
 Concen: 42.327 ug/l
 RT: 13.206 min Scan# 3706
 Delta R.T. -0.002 min
 Lab File: VU055229.D
 Acq: 11 Sep 2023 10:50

Tgt Ion: 77 Resp: 16575
 Ion Ratio Lower Upper
 77 100
 123 40.5 19.7 69.7
 65 16.6 11.5 14.7#





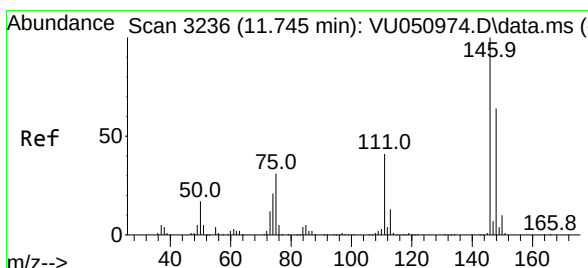
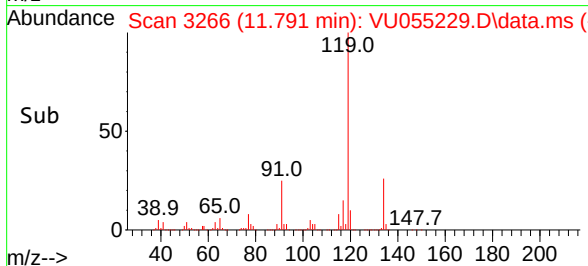
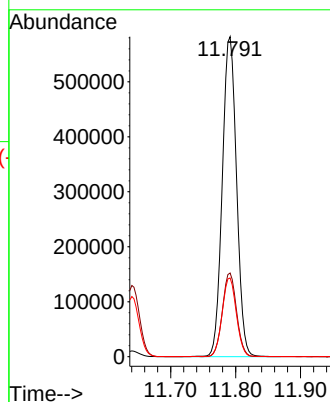
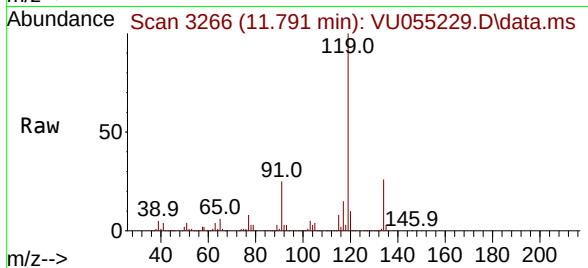
#81
p-Isopropyltoluene
Concen: 11.822 ug/l
RT: 11.791 min Scan# 3251
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 88289
Ion Ratio Lower Upper
119 100
134 26.0 20.2 30.4
91 24.3 19.3 28.9

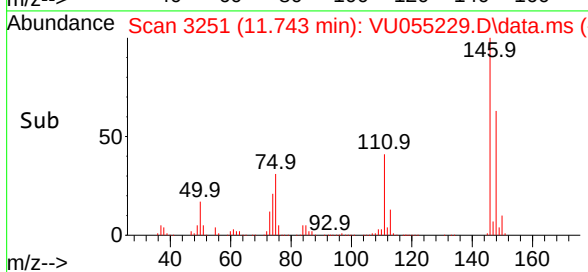
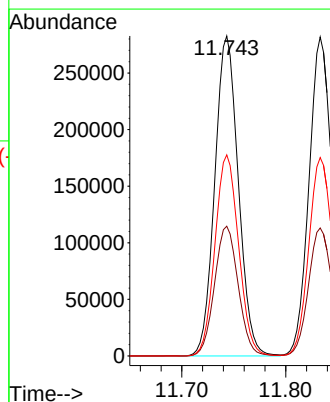
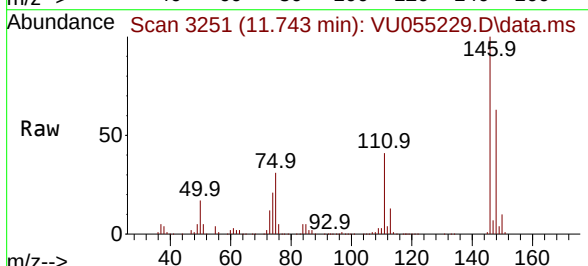
Manual Integrations
APPROVED

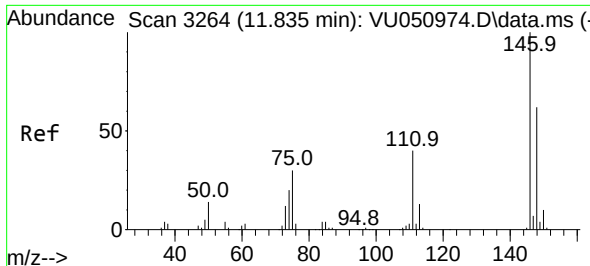
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#82
1,3-Dichlorobenzene
Concen: 11.761 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

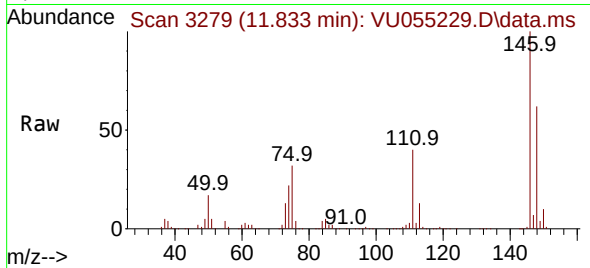
Tgt Ion:146 Resp: 445356
Ion Ratio Lower Upper
146 100
111 40.8 32.6 49.0
148 63.1 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 11.528 ug/l
RT: 11.833 min Scan# 31
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

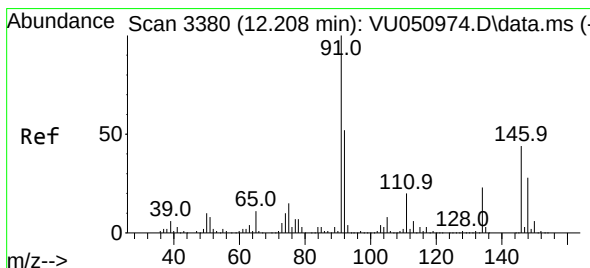
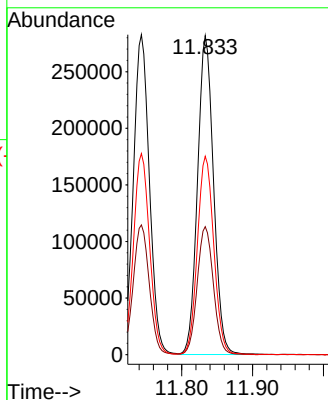
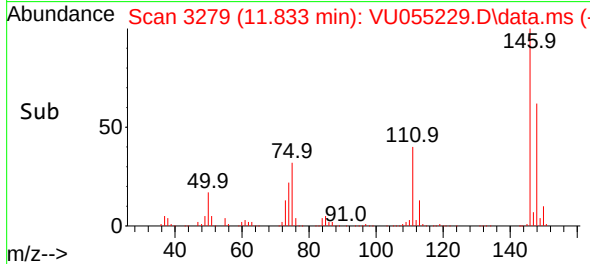
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



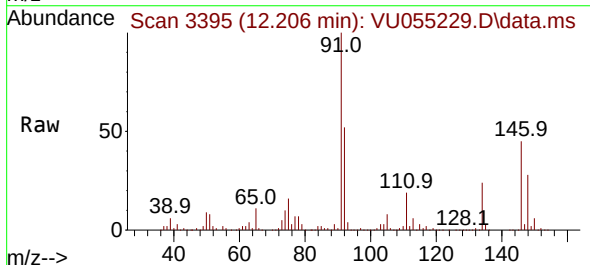
Tgt Ion:146 Resp: 441734
Ion Ratio Lower Upper
146 100
111 40.5 31.6 47.4
148 63.8 50.3 75.5

Manual Integrations
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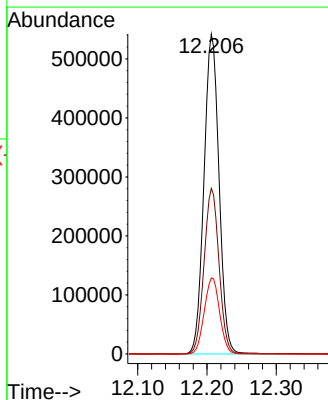
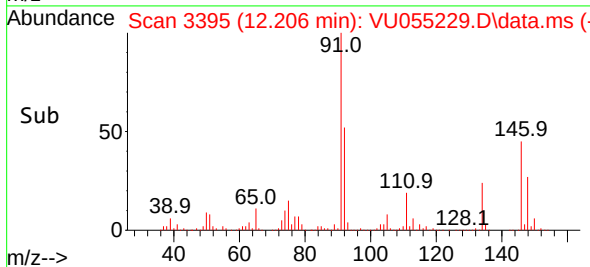
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

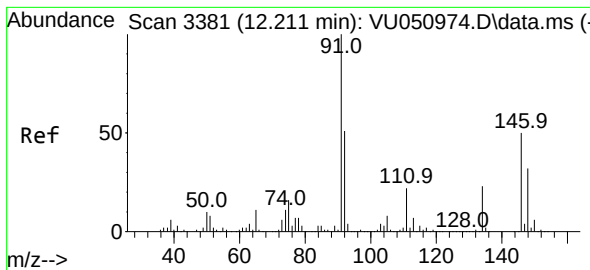


#84
n-Butylbenzene
Concen: 11.046 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50



Tgt Ion: 91 Resp: 815088
Ion Ratio Lower Upper
91 100
92 51.4 40.8 61.2
134 24.2 18.4 27.6





#85

1,2-Dichlorobenzene

Concen: 11.453 ug/l

RT: 12.209 min Scan# 31

Delta R.T. -0.002 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

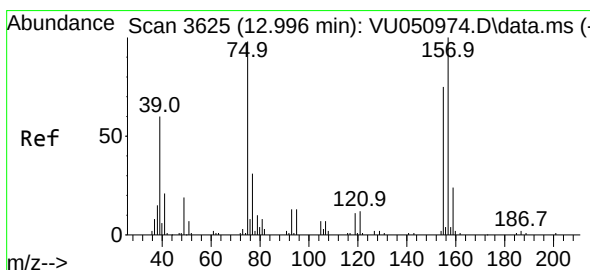
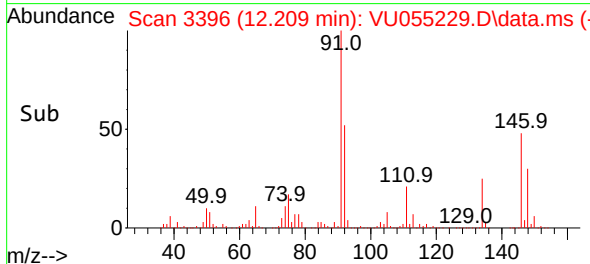
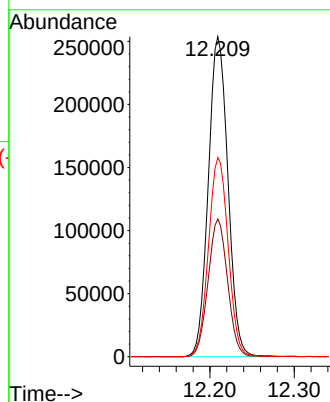
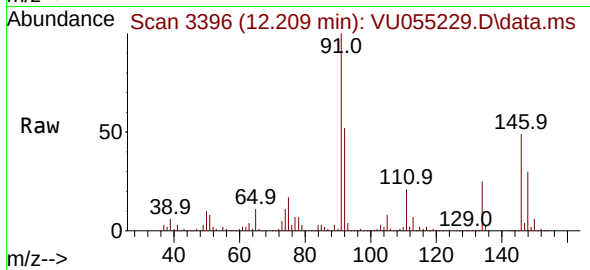
Tgt Ion:	146	Resp:	41095
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.6	64.6
148	62.5	32.1	96.5

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.161 ug/l

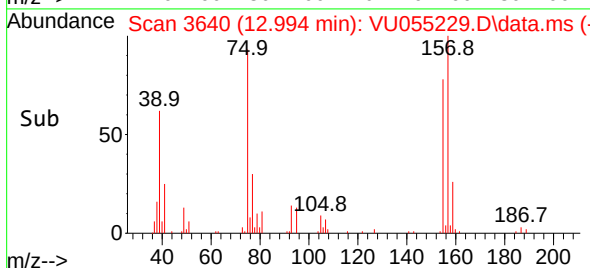
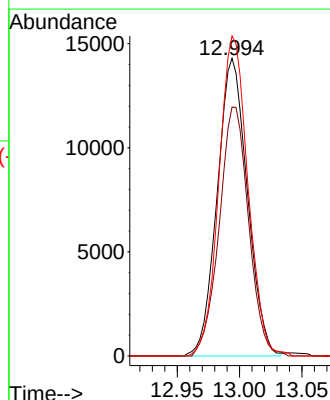
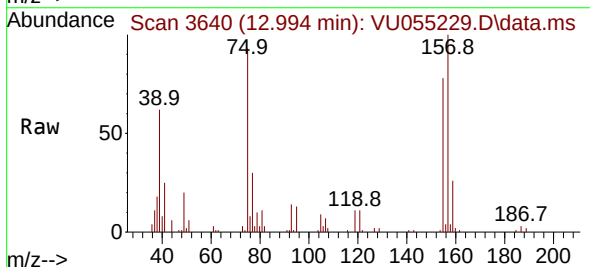
RT: 12.994 min Scan# 3640

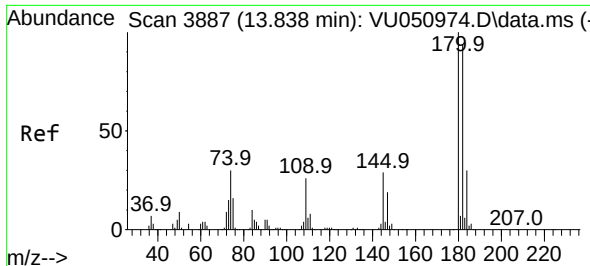
Delta R.T. -0.002 min

Lab File: VU055229.D

Acq: 11 Sep 2023 10:50

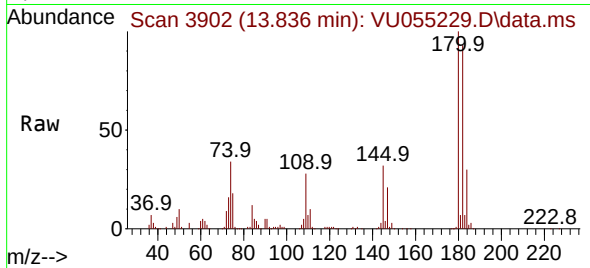
Tgt Ion:	75	Resp:	24052
Ion Ratio	Lower	Upper	
75	100		
155	81.4	61.8	92.8
157	103.4	80.2	120.4





#87
1,2,4-Trichlorobenzene
Concen: 12.144 ug/l
RT: 13.836 min Scan# 3902
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

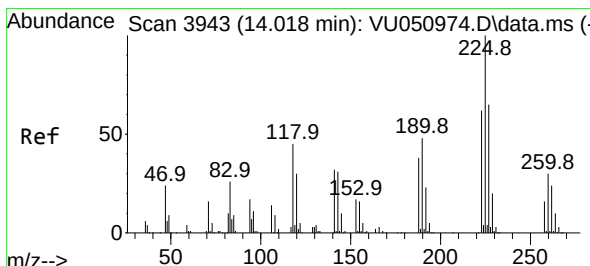
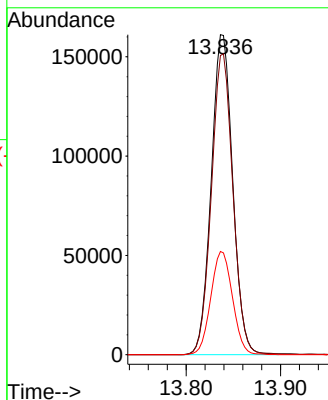
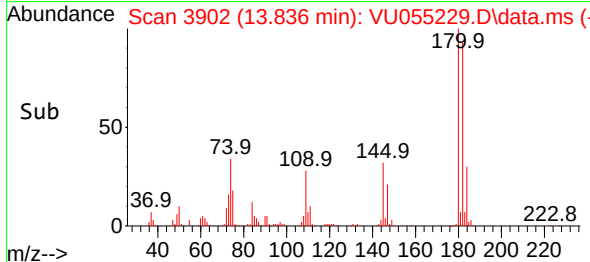
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



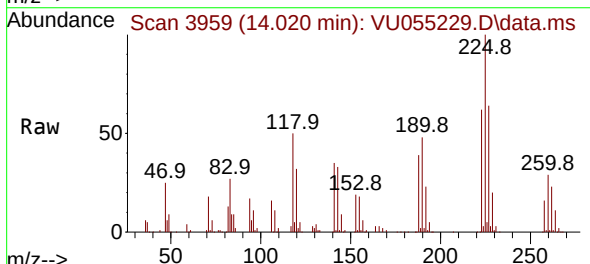
Tgt Ion:180 Resp: 25415
Ion Ratio Lower Upper
180 100
182 94.4 75.8 113.6
145 32.6 23.9 35.9

Manual Integrations
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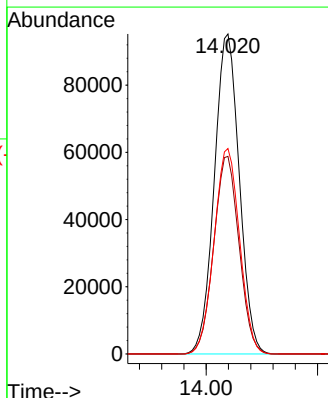
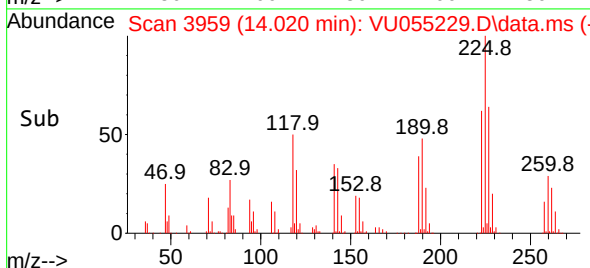
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

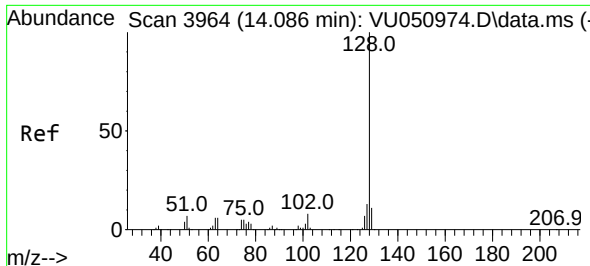


#88
Hexachlorobutadiene
Concen: 14.820 ug/l
RT: 14.020 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50



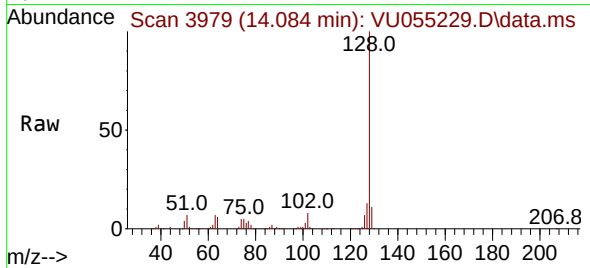
Tgt Ion:225 Resp: 148341
Ion Ratio Lower Upper
225 100
223 62.5 50.2 75.4
227 65.6 51.5 77.3





#89
Naphthalene
Concen: 9.227 ug/l
RT: 14.084 min Scan# 3964
Delta R.T. -0.002 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

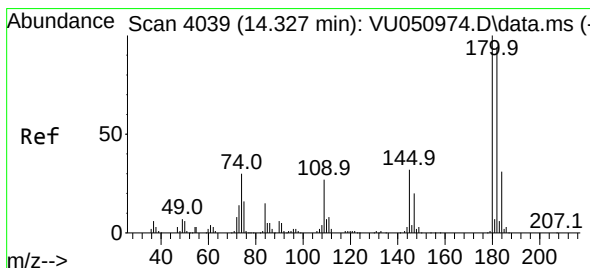
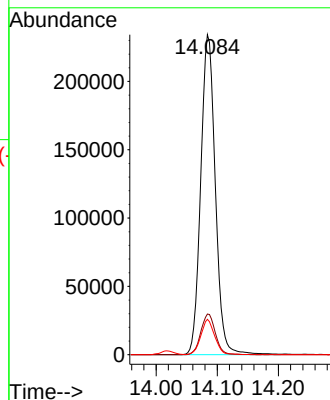
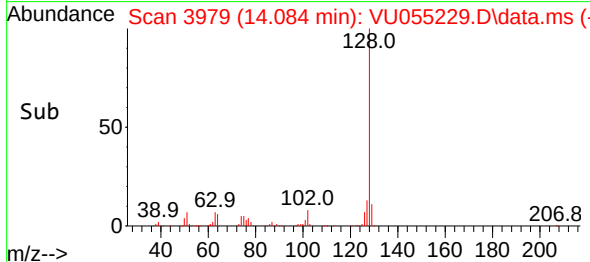
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010



Tgt Ion:128 Resp: 38853
Ion Ratio Lower Upper
128 100
127 12.6 10.9 16.3
129 10.5 8.6 12.8

Manual Integrations
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Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#90
1,2,3-Trichlorobenzene
Concen: 12.297 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.001 min
Lab File: VU055229.D
Acq: 11 Sep 2023 10:50

Tgt Ion:180 Resp: 221725
Ion Ratio Lower Upper
180 100
182 94.4 75.7 113.5
145 33.8 26.1 39.1

