

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055797.D
 Acq On : 18 Oct 2023 12:30
 Operator : MD/SY
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Quant Time: Oct 19 02:14:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 02:09:44 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/24/2023

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

Internal Standards						
1) Fluorobenzene	6.110	96	105963	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	40268	0.963	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	37572	0.970	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	632871	15.380	ug/l	99
3) Chloromethane	1.515	50	517361	14.711	ug/l	100
4) Vinyl Chloride	1.602	62	547841	15.200	ug/l	99
5) Bromomethane	1.853	94	251970	12.702	ug/l	97
6) Chloroethane	1.924	64	186251	10.669	ug/l	100
7) Trichlorofluoromethane	2.116	101	696144	14.646	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	482957	15.242	ug/l	94
9) 1,1-Dichloroethene	2.567	96	457801	15.491	ug/l	92
10) Iodomethane	2.708	142	703761	15.883	ug/l	99
11) Allyl Chloride	2.911	41	613969	15.981	ug/l	95
12) Acrylonitrile	3.316	53	184558	33.232	ug/l	96
13) Acetone	2.637	43	796738	67.247	ug/l	98
14) Carbon Disulfide	2.779	76	1478715	15.327	ug/l	99
15) Methylene Chloride	3.033	84	505465	14.500	ug/l	94
16) trans-1,2-Dichloroethene	3.341	96	495252	15.811	ug/l	95
17) 1,1-Dichloroethane	3.859	63	899811	15.446	ug/l	100
18) 2-Butanone	4.708	43	965349	75.625	ug/l	99
19) Cyclohexane	5.380	56	841616m	19.098	ug/l	
20) Methylcyclohexane	6.759	83	900382	17.438	ug/l	97
21) 2,2-Dichloropropane	4.657	77	756898	15.429	ug/l	100
22) cis-1,2-Dichloroethene	4.657	96	529307	15.854	ug/l	100
23) Diethyl Ether	2.370	59	268328	15.187	ug/l	94
24) tert-Butyl Alcohol	3.348	59	294069m	167.536	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	1050241	16.513	ug/l	99
26) Bromochloromethane	4.968	128	215725	15.245	ug/l	97
27) Chloroform	5.081	83	911855	15.254	ug/l	97
28) 1,1,1-Trichloroethane	5.309	97	832063	15.530	ug/l	97
29) 1,1-Dichloropropene	5.518	75	681716	16.064	ug/l	99
30) Carbon Tetrachloride	5.518	117	719608	15.385	ug/l	99
31) Isopropyl Ether	3.988	45	1320017	16.867	ug/l	91
32) Ethyl-t-butyl ether	4.496	59	1294886	17.140	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	1134661	17.525	ug/l	97
34) Propionitrile	4.788	54	173605	88.391	ug/l	# 9
35) Benzene	5.769	78	2011529	15.648	ug/l	100
36) 1,2-Dichloroethane	5.788	62	529799	15.176	ug/l	99
37) Trichloroethene	6.537	130	515572	15.416	ug/l	99
38) 1,2-Dichloropropane	6.785	63	529188	15.763	ug/l	100
39) Methacrylonitrile	4.972	41	127020	17.302	ug/l	93
40) Methyl acrylate	4.840	55	242417	19.989	ug/l	99
41) Tetrahydrofuran	5.052	42	129436	30.704	ug/l	96
42) 1-Chlorobutane	5.451	56	915584	16.183	ug/l	98
43) Dibromomethane	6.914	93	241230	15.119	ug/l	99
44) Bromodichloromethane	7.103	83	653184	15.490	ug/l	100

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Manual Integrations
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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	7.804	43	1340820	81.256	ug/l	95
46) t-1,4-Dichloro-2-butene	10.836	75	241175m	42.453	ug/l	
47) Methyl methacrylate	6.959	69	462102	35.108	ug/l	94
48) Ethyl methacrylate	8.335	69	473523	18.951	ug/l	94
49) Toluene	7.965	92	1269753	16.690	ug/l	95
50) t-1,3-Dichloropropene	8.209	75	627895	16.827	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	760284	16.649	ug/l	96
52) 1,1,2-Trichloroethane	8.399	97	357846	15.702	ug/l	99
53) 1,3-Dichloropropane	8.573	76	619198	15.897	ug/l	100
54) 2-Hexanone	8.701	43	1403910	75.942	ug/l	95
55) Dibromochloromethane	8.811	129	441718	16.058	ug/l	100
56) 1,2-Dibromoethane	8.923	107	331554	15.923	ug/l	97
58) Tetrachloroethene	8.550	164	489206	14.067	ug/l	98
59) Chlorobenzene	9.447	112	1397545	16.632	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.534	131	485732	16.220	ug/l	98
61) Pentachloroethane	11.428	117	347461	17.143	ug/l	89
62) Hexachloroethane	12.476	117	403542	18.807	ug/l	98
63) Ethyl Benzene	9.570	91	2521261	17.682	ug/l	100
64) m/p-Xylenes	9.692	106	1923038	35.083	ug/l	99
65) o-Xylene	10.100	106	943249	17.537	ug/l	98
66) Styrene	10.113	104	1528914	18.177	ug/l	97
67) Bromoform	10.293	173	242295	16.399	ug/l	100
69) Isopropylbenzene	10.483	105	2497170	18.034	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.785	83	427316	16.034	ug/l	99
71) 1,2,3-Trichloropropane	10.836	75	434839m	20.305	ug/l	
72) Bromobenzene	10.782	156	540021	16.343	ug/l	99
73) n-propylbenzene	10.907	120	668300	18.734	ug/l	96
74) 2-Chlorotoluene	10.987	126	563118	16.964	ug/l	95
75) 1,3,5-Trimethylbenzene	11.087	105	2163861	18.281	ug/l	98
76) 4-Chlorotoluene	11.097	126	575517	17.013	ug/l	92
77) tert-Butylbenzene	11.418	119	2009439	18.519	ug/l	99
78) 1,2,4-Trimethylbenzene	11.467	105	2165571	18.475	ug/l	99
79) sec-Butylbenzene	11.643	105	2635160	19.240	ug/l	99
80) Nitrobenzene	13.206	77	71177	96.570	ug/l	99
81) p-Isopropyltoluene	11.791	119	2143263	19.431	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	1093232	16.209	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	1073246	16.443	ug/l	98
84) n-Butylbenzene	12.206	91	1816179	19.312	ug/l	97
85) 1,2-Dichlorobenzene	12.213	146	986286	16.002	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	65696	17.269	ug/l	96
87) 1,2,4-Trichlorobenzene	13.839	180	615397	18.398	ug/l	98
88) Hexachlorobutadiene	14.020	225	383769	16.501	ug/l	100
89) Naphthalene	14.084	128	990362	19.437	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	536605	18.696	ug/l	98

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



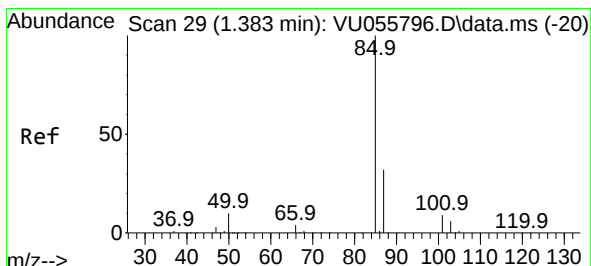
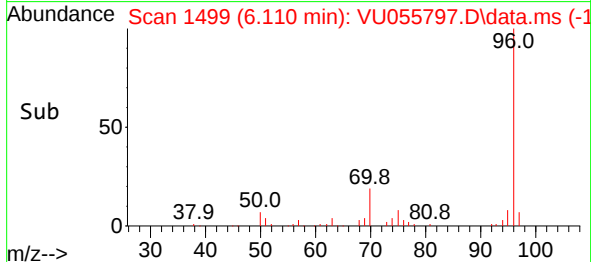
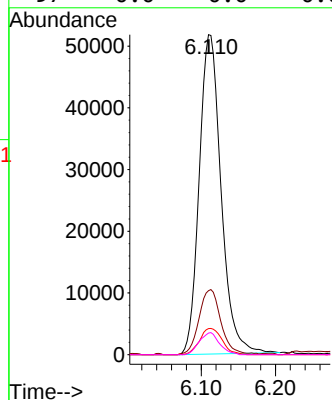
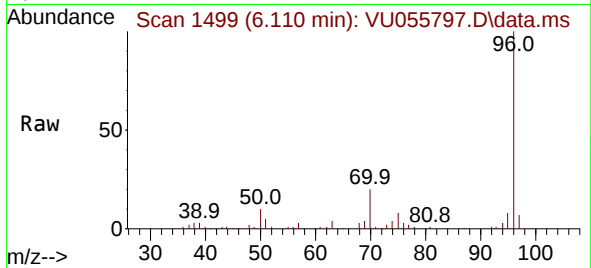
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Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 1499
Delta R.T. -0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 96 Resp: 10596
Ion Ratio Lower Upper
96 100
70 19.6 16.5 24.7
95 0.0 7.4 11.0
97 0.0 0.0 0.0

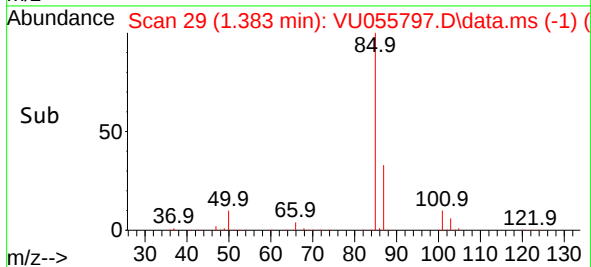
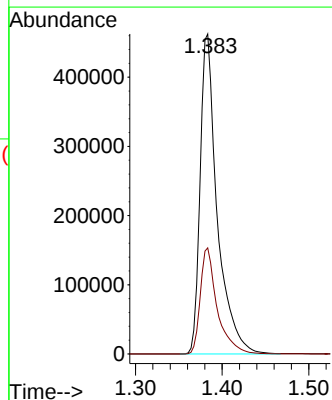
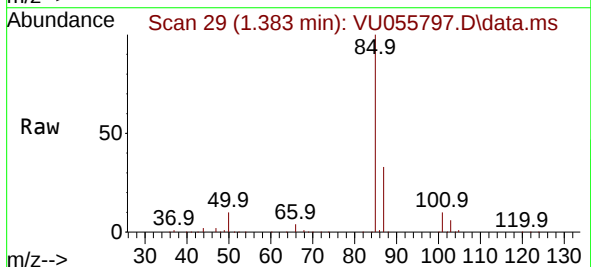
Manual Integrations
APPROVED

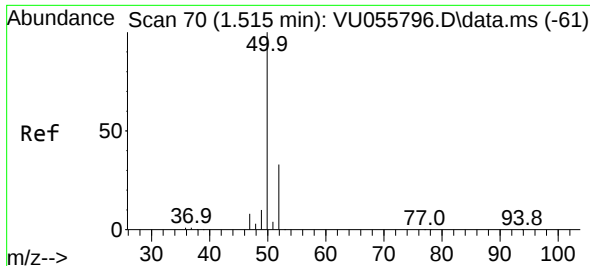
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#2
Dichlorodifluoromethane
Concen: 15.380 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

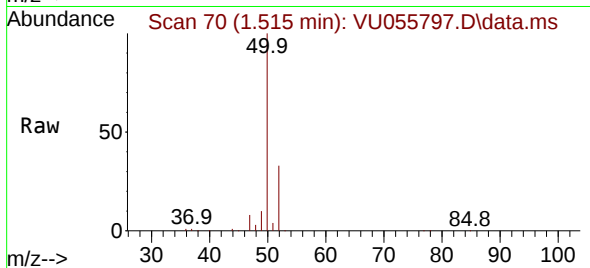
Tgt Ion: 85 Resp: 632871
Ion Ratio Lower Upper
85 100
87 33.2 16.2 48.6





#3
Chloromethane
Concen: 14.711 ug/l
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

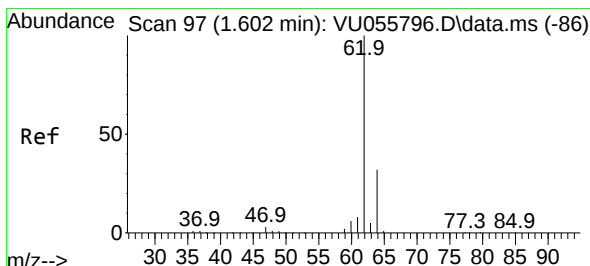
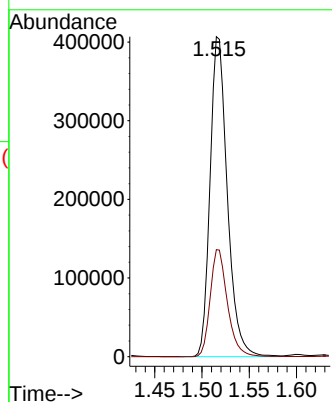
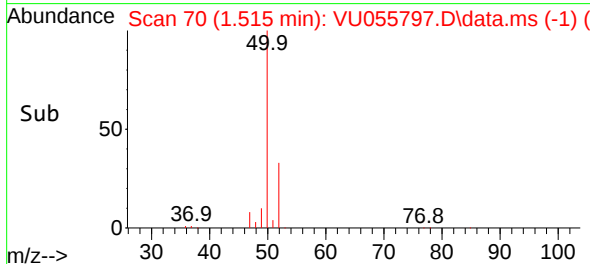
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015



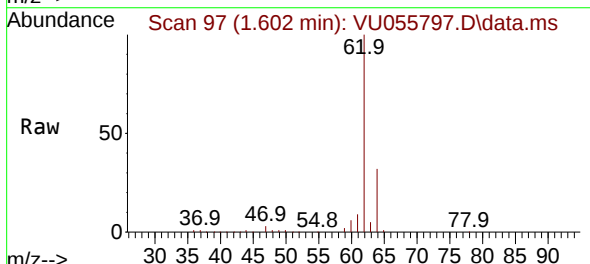
Tgt Ion: 50 Resp: 51736
Ion Ratio Lower Upper
50 100
52 33.5 26.6 40.0

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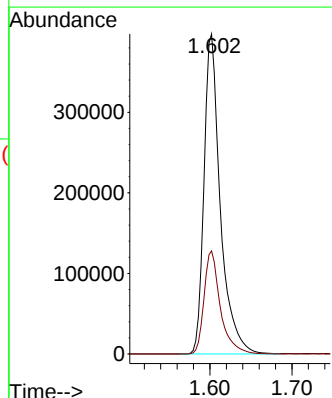
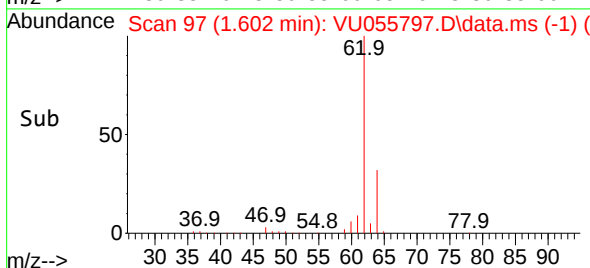
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

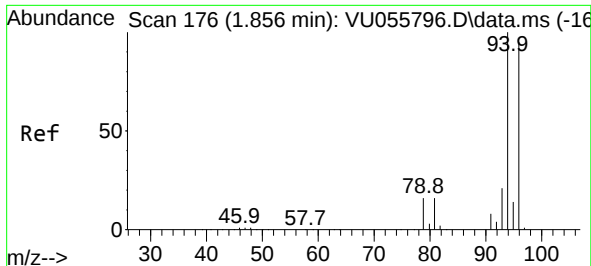


#4
Vinyl Chloride
Concen: 15.200 ug/l
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30



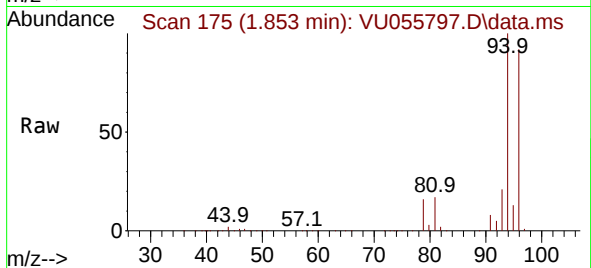
Tgt Ion: 62 Resp: 547841
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.2





#5
Bromomethane
Concen: 12.702 ug/l
RT: 1.853 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

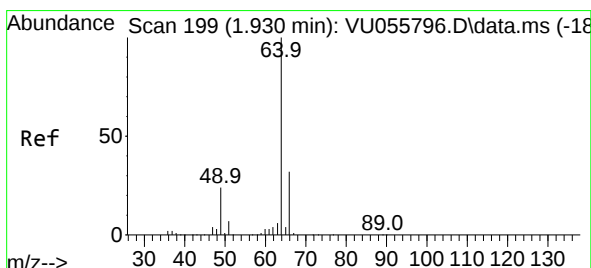
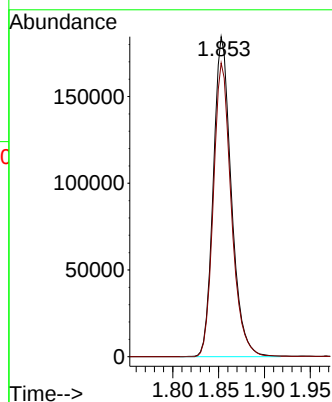
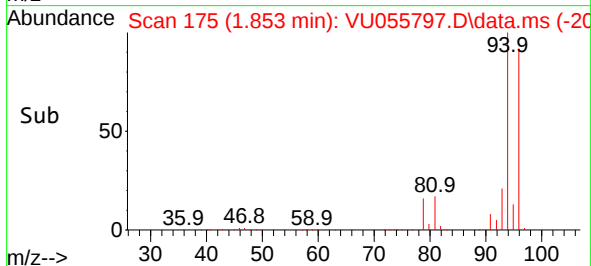
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



Tgt Ion: 94 Resp: 251970
Ion Ratio Lower Upper
94 100
96 91.8 75.4 113.2

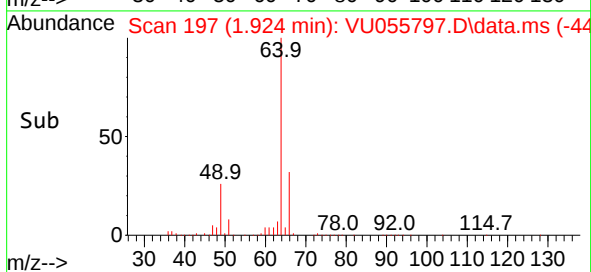
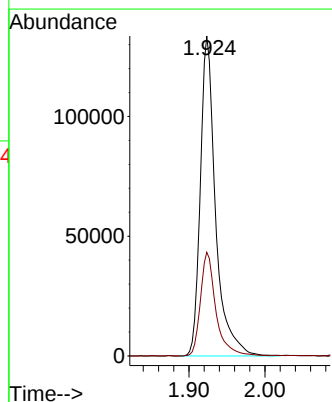
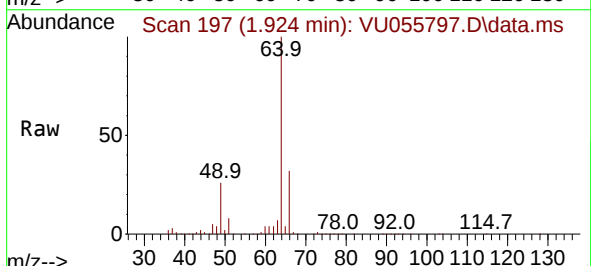
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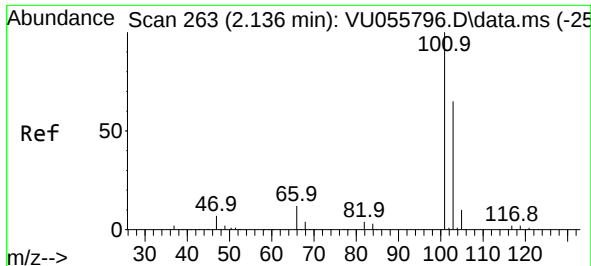
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#6
Chloroethane
Concen: 10.669 ug/l
RT: 1.924 min Scan# 197
Delta R.T. -0.006 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Tgt Ion: 64 Resp: 186251
Ion Ratio Lower Upper
64 100
66 32.4 26.0 39.0





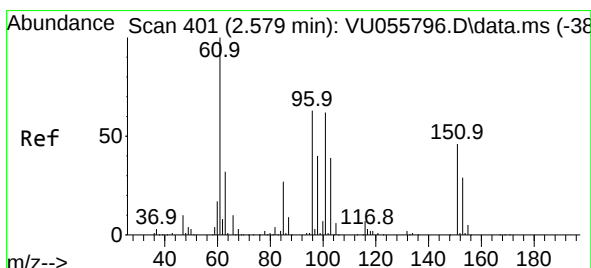
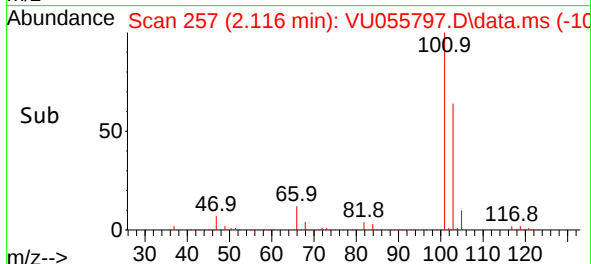
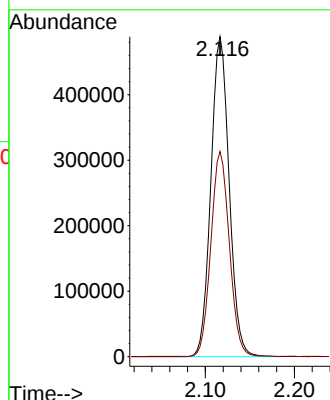
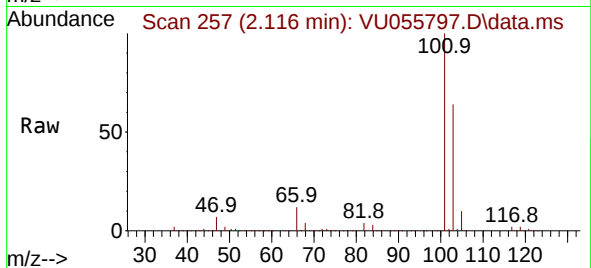
#7
Trichlorofluoromethane
Concen: 14.646 ug/l
RT: 2.116 min Scan# 21
Delta R.T. -0.020 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 696144
Ion Ratio Lower Upper
101 100
103 64.0 51.4 77.0

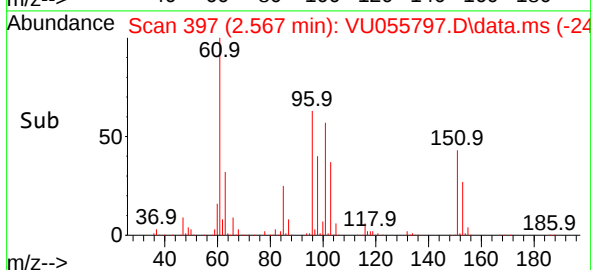
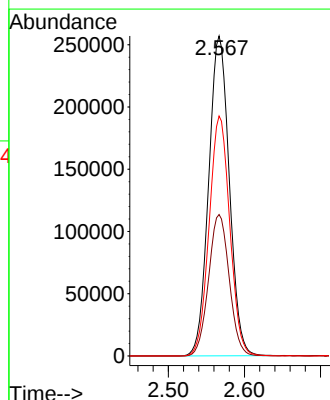
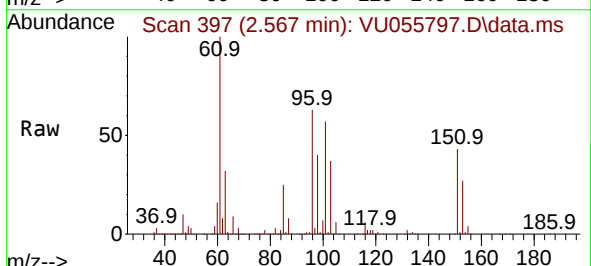
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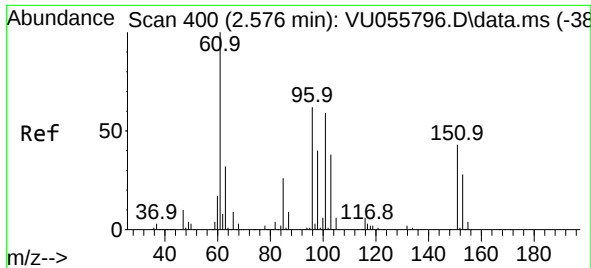
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 15.242 ug/l
RT: 2.567 min Scan# 397
Delta R.T. -0.012 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Tgt Ion:101 Resp: 482957
Ion Ratio Lower Upper
101 100
85 44.4 35.4 53.0
151 75.1 54.0 81.0





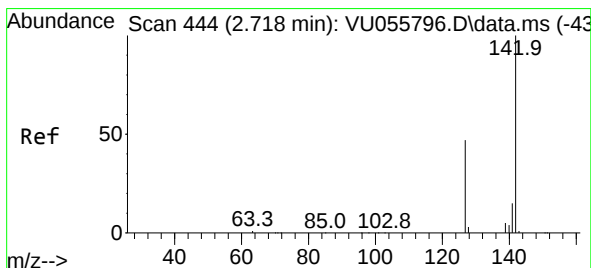
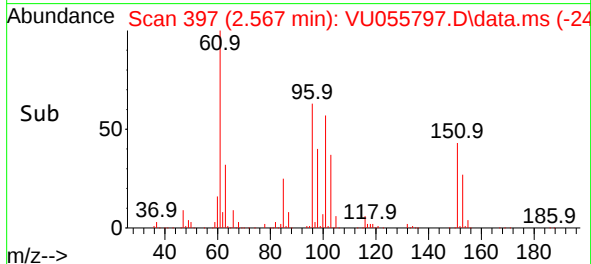
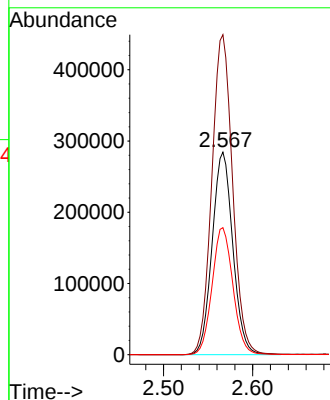
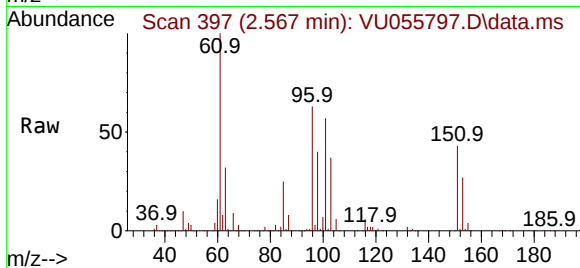
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1,1-Dichloroethene
Concen: 15.491 ug/l
RT: 2.567 min Scan# 397
Delta R.T. -0.009 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 96 Resp: 45780
Ion Ratio Lower Upper
96 100
61 158.0 0.0 521.4
98 62.7 0.0 125.8

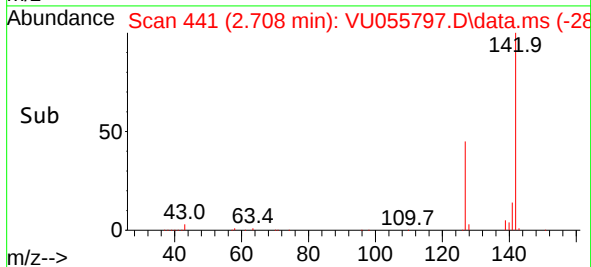
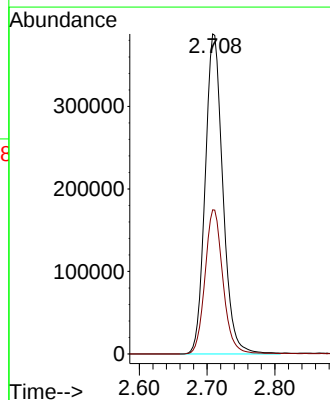
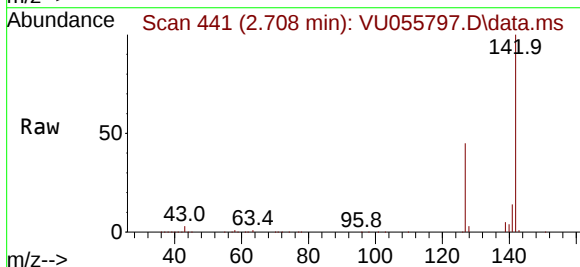
Manual Integrations
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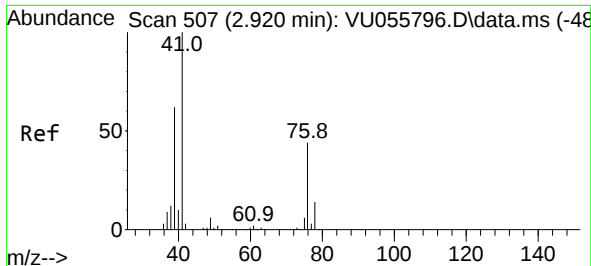
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#10
Iodomethane
Concen: 15.883 ug/l
RT: 2.708 min Scan# 441
Delta R.T. -0.010 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

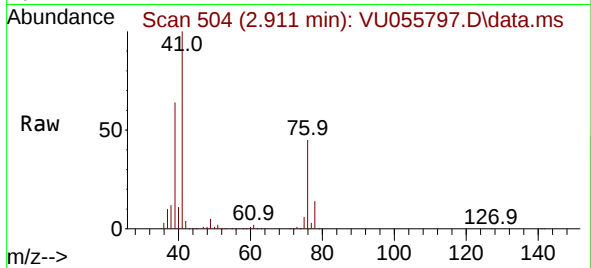
Tgt Ion:142 Resp: 703761
Ion Ratio Lower Upper
142 100
127 45.6 35.9 53.9





#11
 Allyl Chloride
 Concen: 15.981 ug/l
 RT: 2.911 min Scan# 507
 Delta R.T. -0.009 min
 Lab File: VU055797.D
 Acq: 18 Oct 2023 12:30

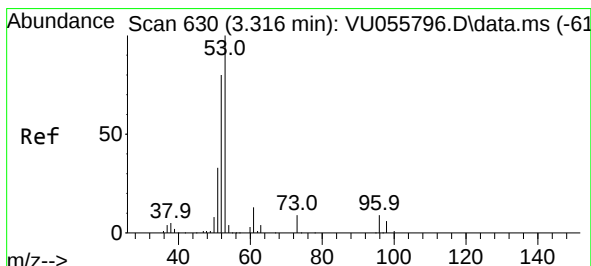
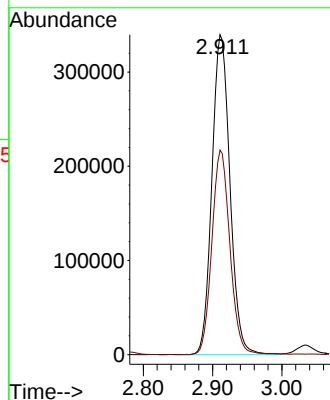
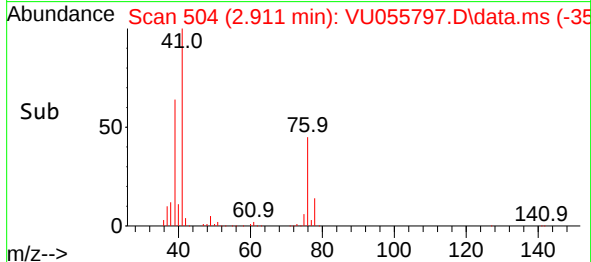
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015



Tgt Ion: 41 Resp: 61396
 Ion Ratio Lower Upper
 41 100
 39 63.9 54.2 81.2

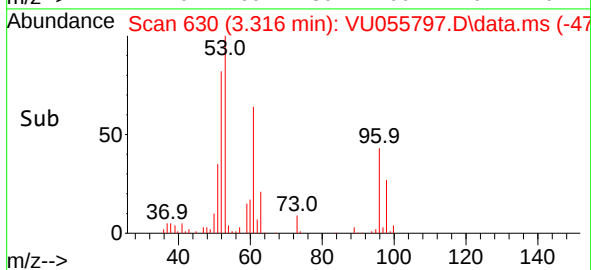
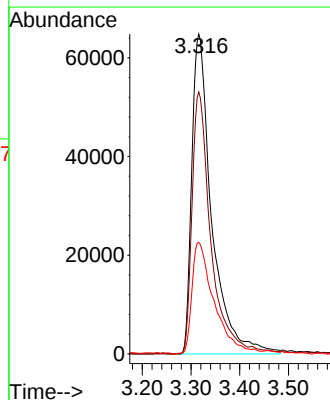
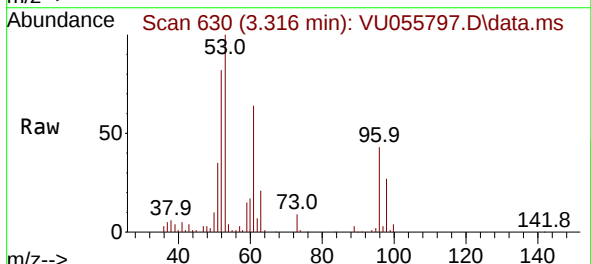
Manual Integrations
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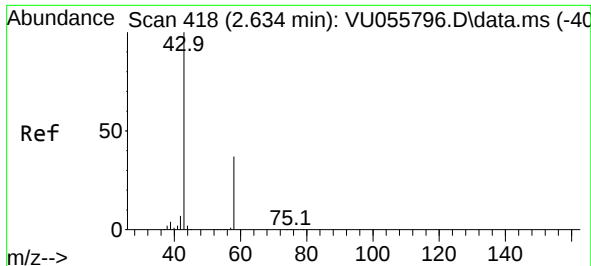
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#12
 Acrylonitrile
 Concen: 33.232 ug/l
 RT: 3.316 min Scan# 630
 Delta R.T. -0.000 min
 Lab File: VU055797.D
 Acq: 18 Oct 2023 12:30

Tgt Ion: 53 Resp: 184558
 Ion Ratio Lower Upper
 53 100
 52 75.8 62.9 94.3
 51 38.2 27.8 41.6





#13

Acetone

Concen: 67.247 ug/l

RT: 2.637 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

Tgt Ion: 43 Resp: 796738

Ion Ratio Lower Upper

43 100

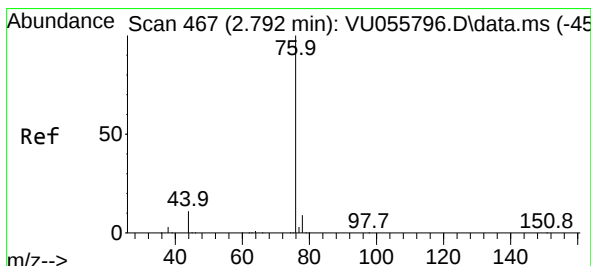
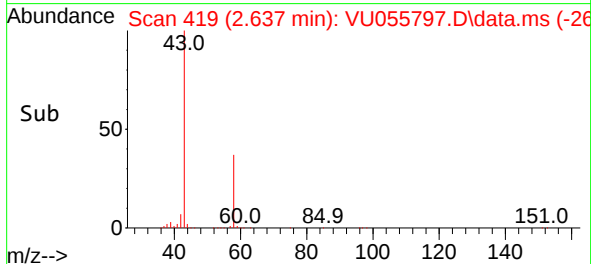
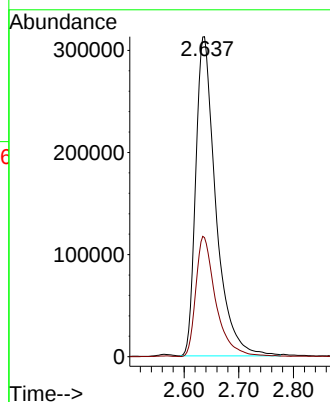
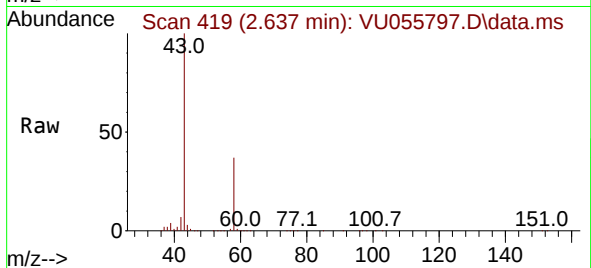
58 37.2 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#14

Carbon Disulfide

Concen: 15.327 ug/l

RT: 2.779 min Scan# 463

Delta R.T. -0.013 min

Lab File: VU055797.D

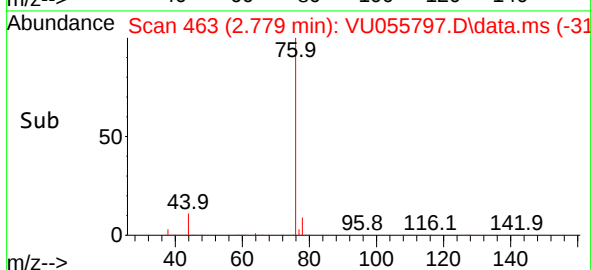
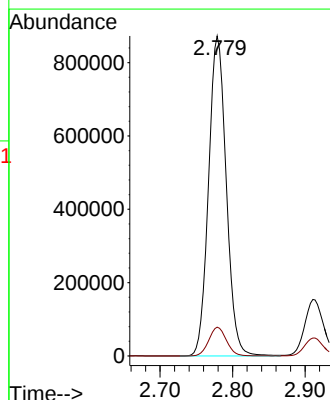
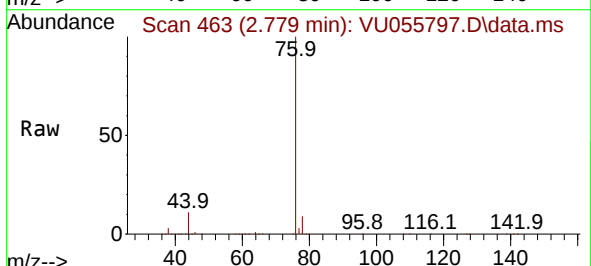
Acq: 18 Oct 2023 12:30

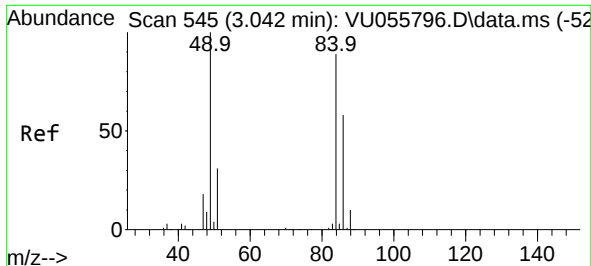
Tgt Ion: 76 Resp: 1478715

Ion Ratio Lower Upper

76 100

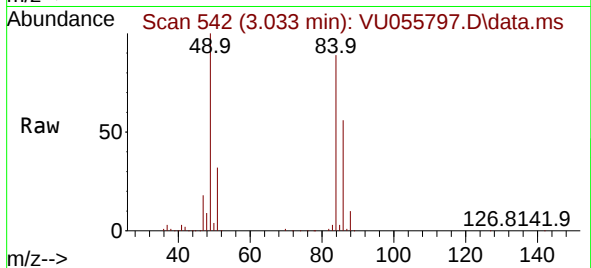
78 9.0 7.4 11.0





#15
Methylene Chloride
Concen: 14.500 ug/l
RT: 3.033 min Scan# 545
Delta R.T. -0.009 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

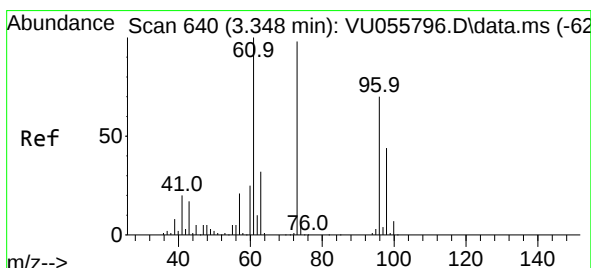
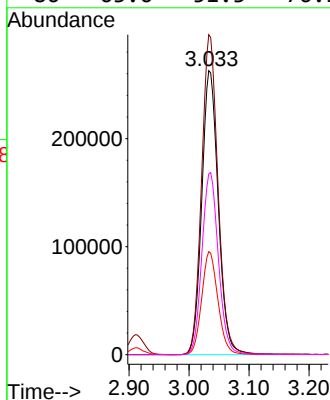
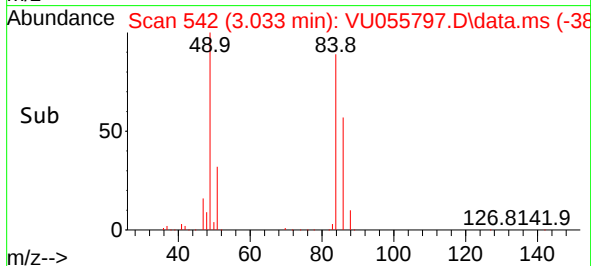
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



Tgt Ion: 84 Resp: 505468
Ion Ratio Lower Upper
84 100
49 112.6 98.9 148.3
51 36.2 0.0 75.4
86 63.6 51.3 76.9

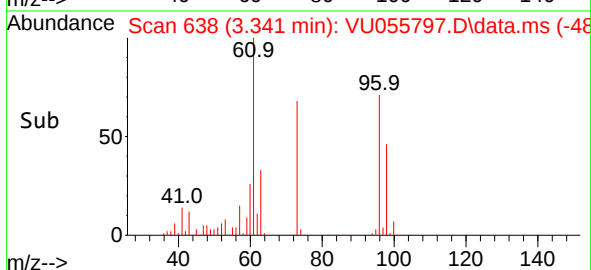
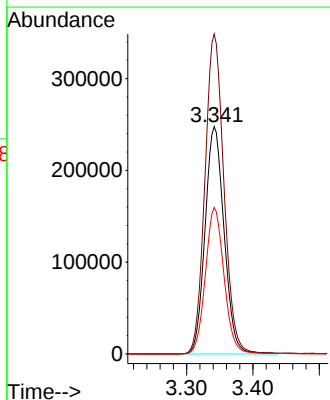
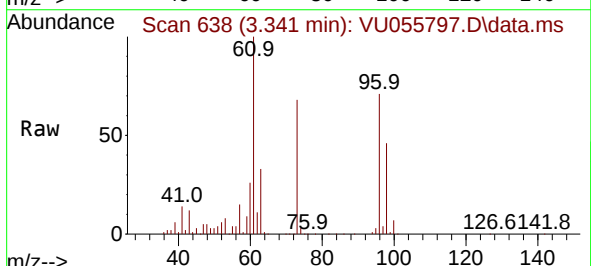
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APPROVED

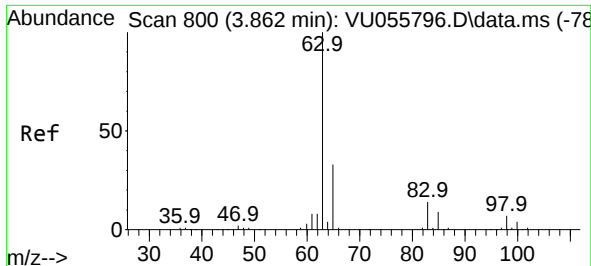
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#16
trans-1,2-Dichloroethene
Concen: 15.811 ug/l
RT: 3.341 min Scan# 638
Delta R.T. -0.007 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Tgt Ion: 96 Resp: 495252
Ion Ratio Lower Upper
96 100
61 140.7 117.5 176.3
98 64.4 48.3 72.5





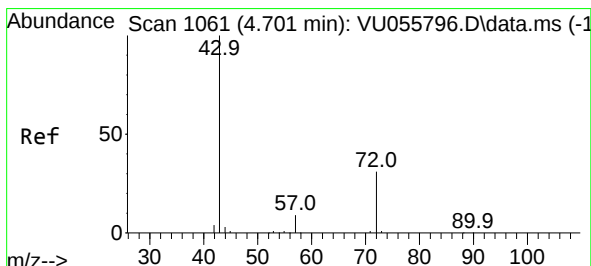
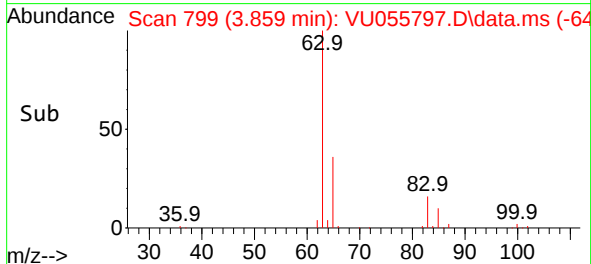
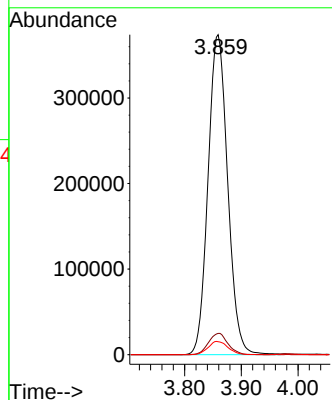
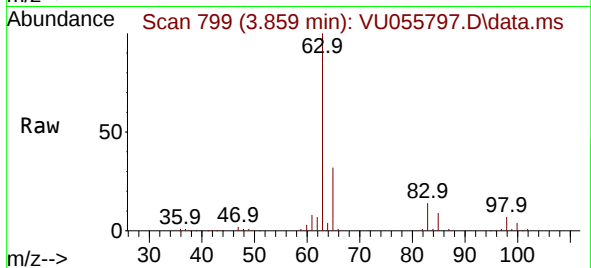
#17
1,1-Dichloroethane
Concen: 15.446 ug/l
RT: 3.859 min Scan# 79
Delta R.T. -0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 63 Resp: 89981
Ion Ratio Lower Upper
63 100
98 6.6 3.4 10.1
100 4.1 2.2 6.6

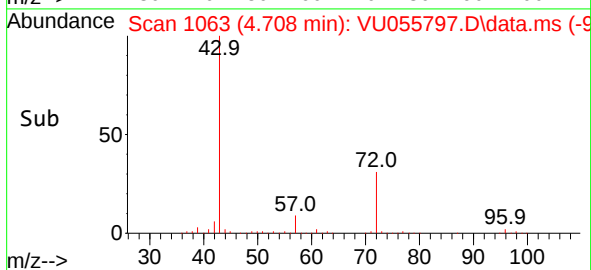
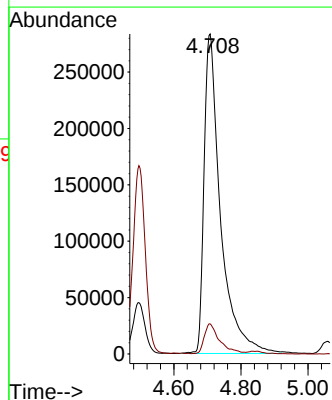
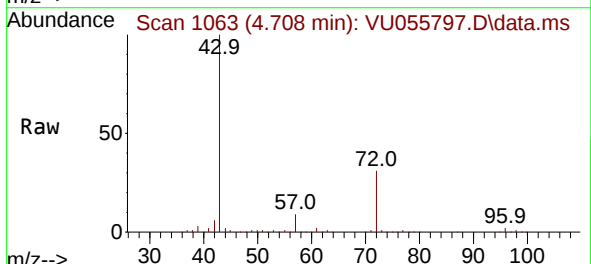
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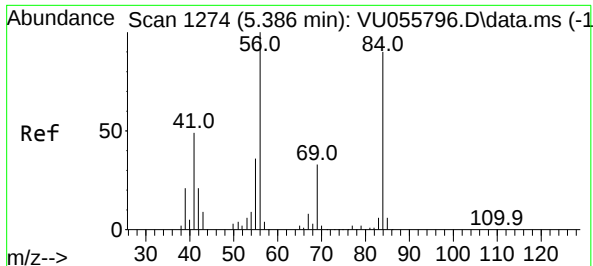
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#18
2-Butanone
Concen: 75.625 ug/l
RT: 4.708 min Scan# 1063
Delta R.T. 0.007 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Tgt Ion: 43 Resp: 965349
Ion Ratio Lower Upper
43 100
57 9.4 0.0 19.6





#19

Cyclohexane

Concen: 19.098 ug/l m

RT: 5.380 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

Tgt Ion: 56 Resp: 841610

Ion Ratio Lower Upper

56 100

69 32.1 24.6 37.0

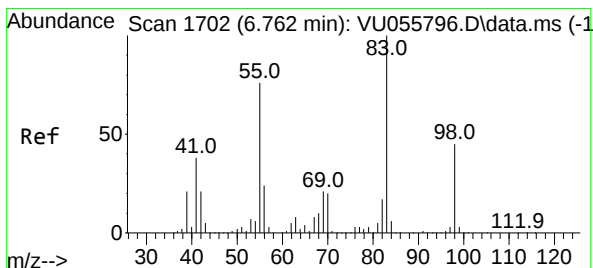
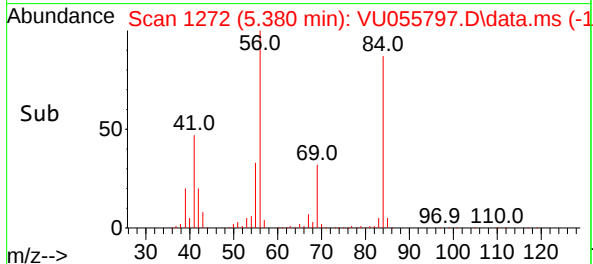
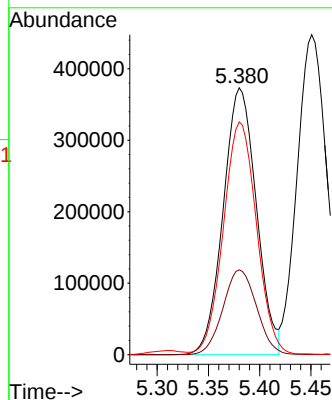
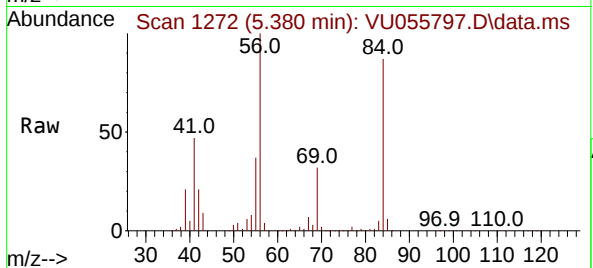
84 85.5 68.4 102.6

Manual Integrations

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Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#20

Methylcyclohexane

Concen: 17.438 ug/l

RT: 6.759 min Scan# 1701

Delta R.T. -0.003 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

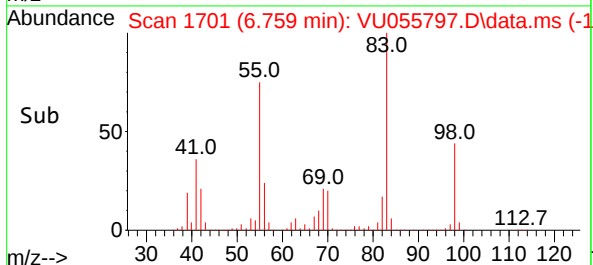
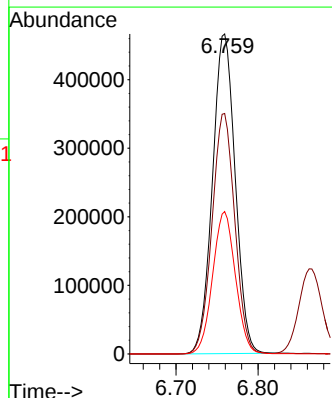
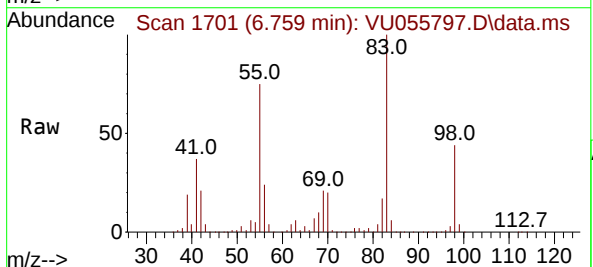
Tgt Ion: 83 Resp: 900382

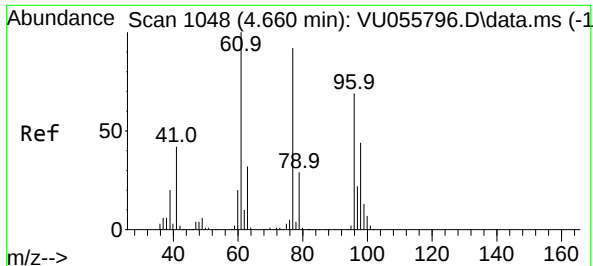
Ion Ratio Lower Upper

83 100

55 75.1 63.5 95.3

98 44.5 36.0 54.0





#21

2,2-Dichloropropane

Concen: 15.429 ug/l

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 77 Resp: 756898

Ion Ratio Lower Upper

77 100

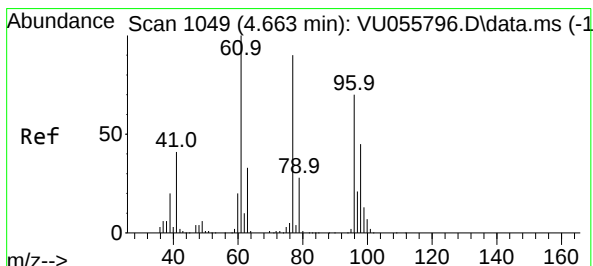
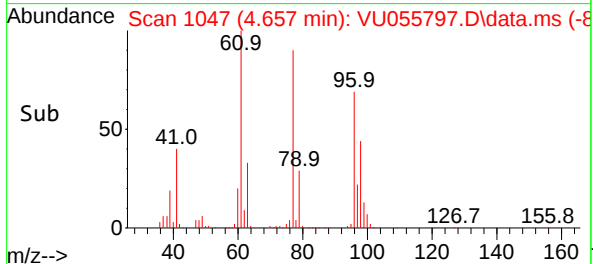
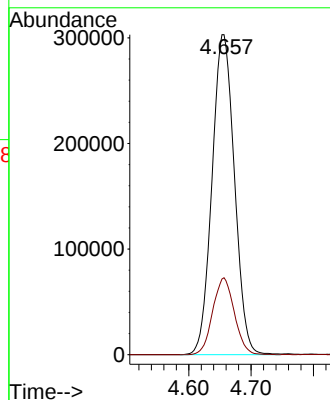
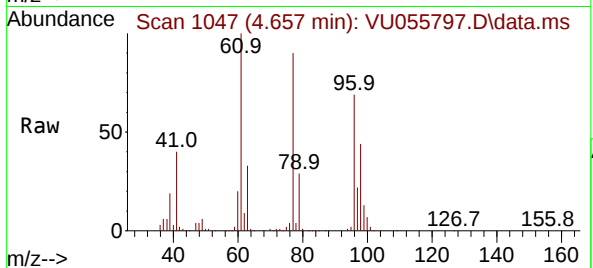
97 23.2 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#22

cis-1,2-Dichloroethene

Concen: 15.854 ug/l

RT: 4.657 min Scan# 1047

Delta R.T. -0.006 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

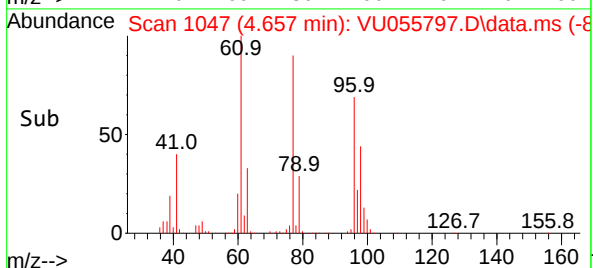
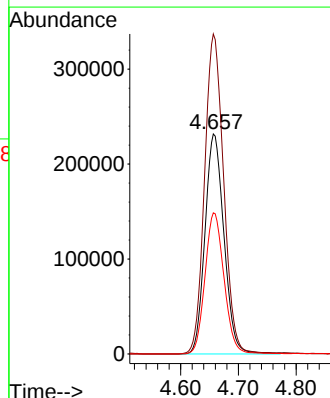
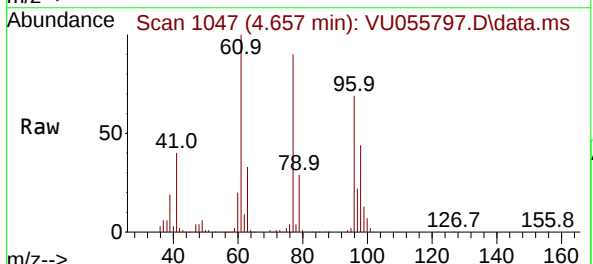
Tgt Ion: 96 Resp: 529307

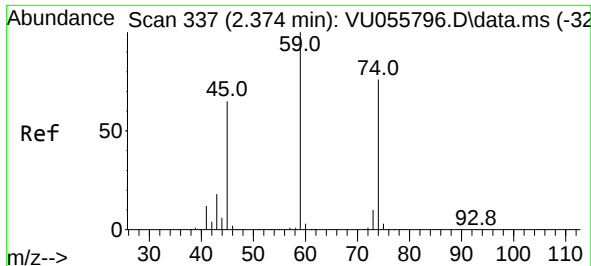
Ion Ratio Lower Upper

96 100

61 146.1 0.0 365.8

98 64.2 32.0 96.0





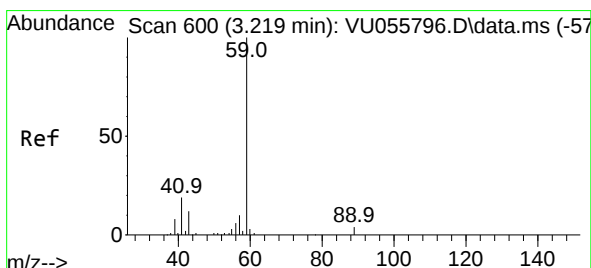
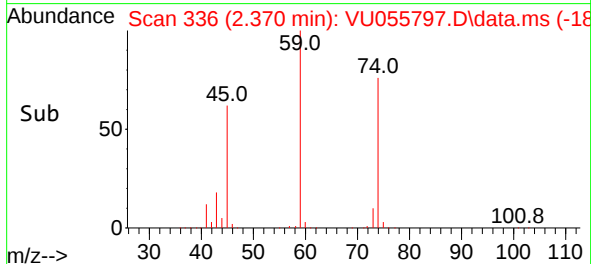
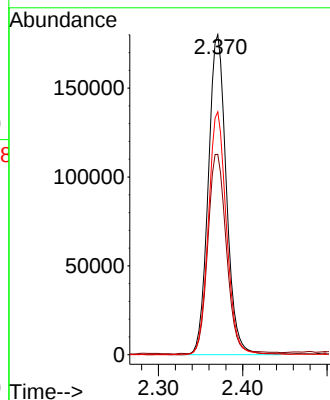
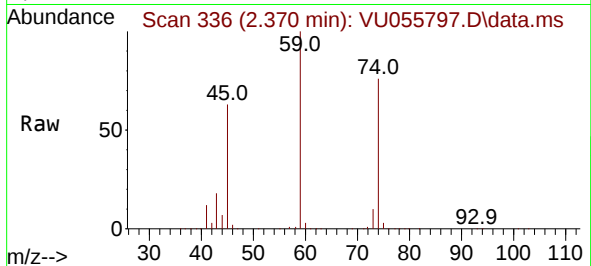
#23
Diethyl Ether
Concen: 15.187 ug/l
RT: 2.370 min Scan# 337
Delta R.T. -0.004 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 59 Resp: 268328
Ion Ratio Lower Upper
59 100
45 64.5 56.1 84.1
74 76.3 57.4 86.2

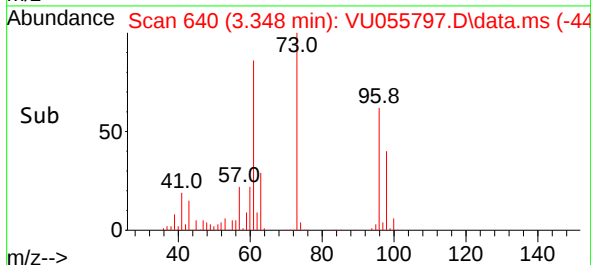
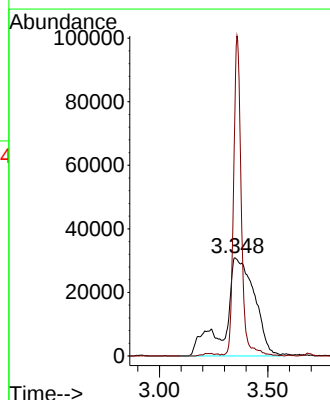
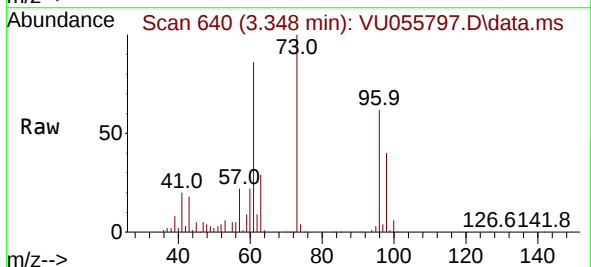
Manual Integrations
APPROVED

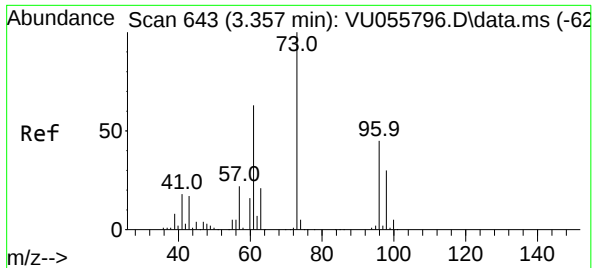
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#24
tert-Butyl Alcohol
Concen: 167.536 ug/l m
RT: 3.348 min Scan# 640
Delta R.T. 0.129 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

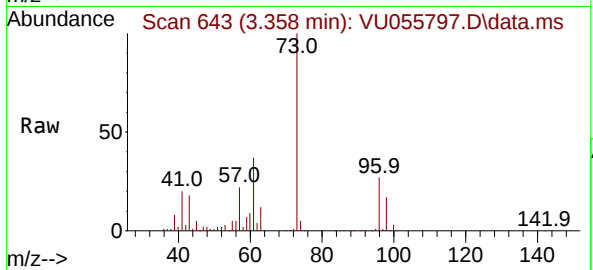
Tgt Ion: 59 Resp: 294069
Ion Ratio Lower Upper
59 100
57 0.0 105.6 158.4#





#25
Methyl tert-Butyl Ether
Concen: 16.513 ug/l
RT: 3.358 min Scan# 643
Delta R.T. 0.001 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

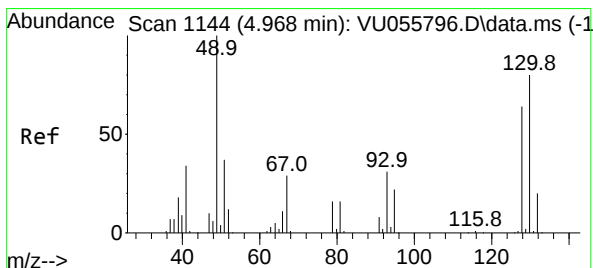
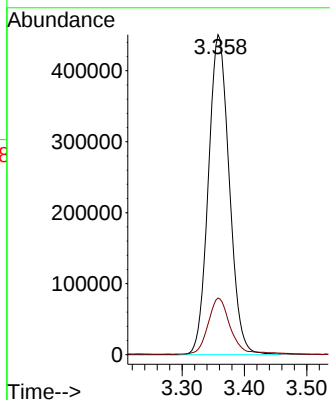
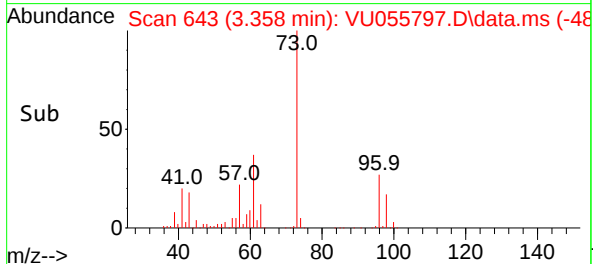
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



Tgt Ion: 73 Resp: 105024
Ion Ratio Lower Upper
73 100
43 19.2 15.0 22.6

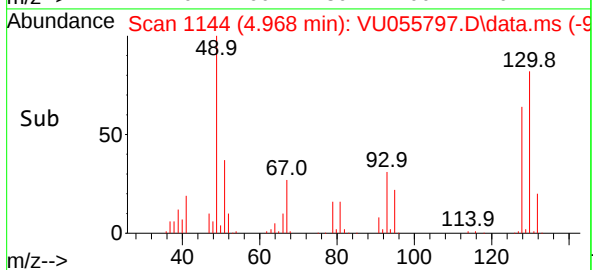
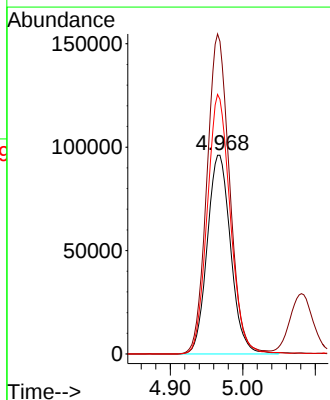
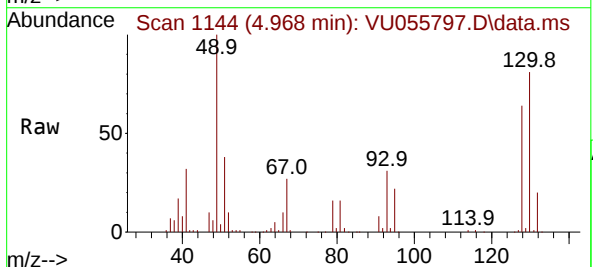
Manual Integrations
APPROVED

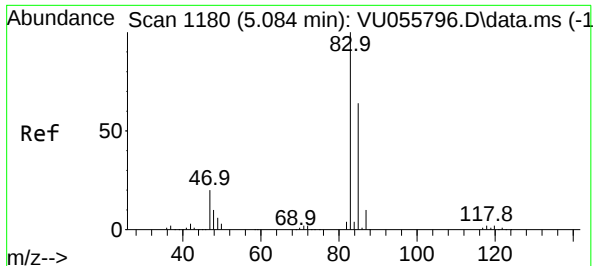
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#26
Bromochloromethane
Concen: 15.245 ug/l
RT: 4.968 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Tgt Ion:128 Resp: 215725
Ion Ratio Lower Upper
128 100
49 155.7 0.0 324.6
130 128.5 103.0 154.4





#27

Chloroform

Concen: 15.254 ug/l

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 91185

Ion Ratio Lower Upper

83 100

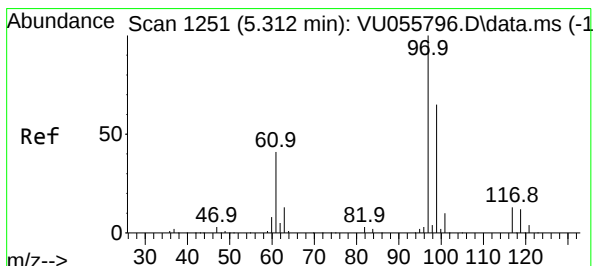
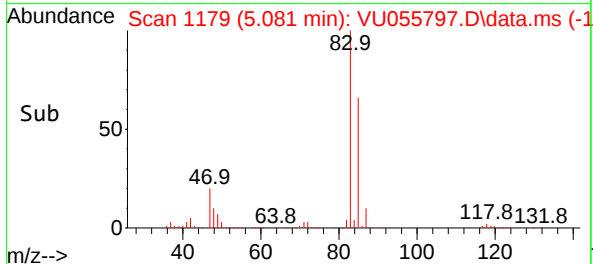
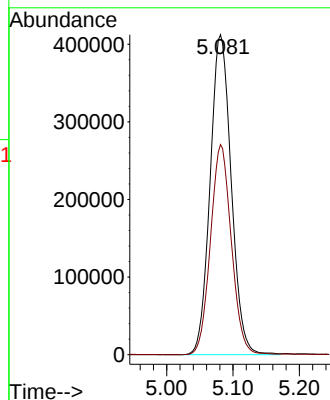
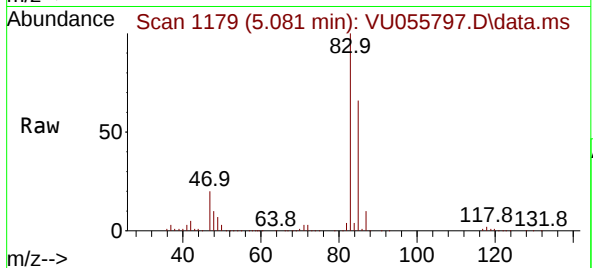
85 65.7 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#28

1,1,1-Trichloroethane

Concen: 15.530 ug/l

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

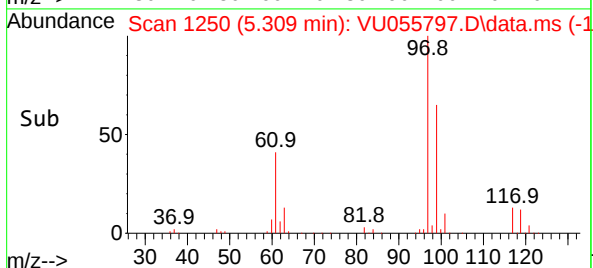
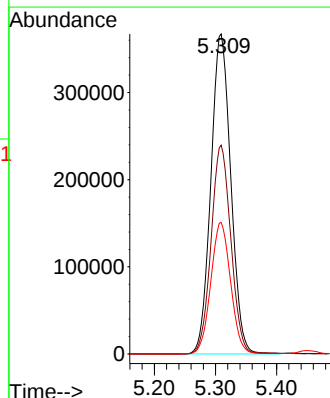
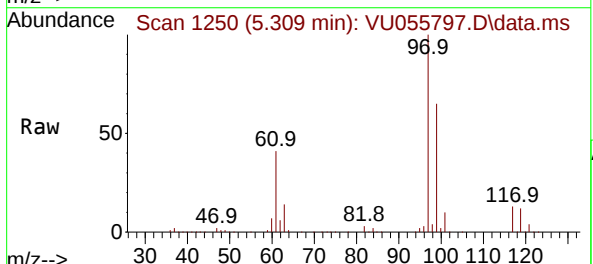
Tgt Ion: 97 Resp: 832063

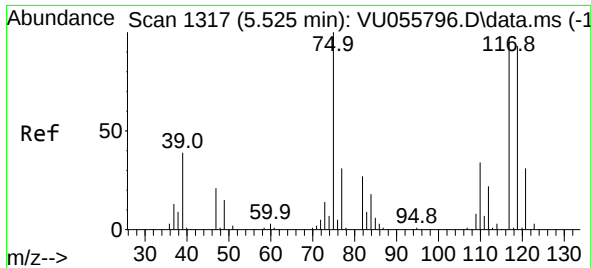
Ion Ratio Lower Upper

97 100

99 64.7 32.0 96.2

61 41.0 22.9 68.5





#29

1,1-Dichloropropene

Concen: 16.064 ug/l

RT: 5.518 min Scan# 1315

Delta R.T. -0.007 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 681710

Ion Ratio Lower Upper

75 100

110 34.9 18.0 54.0

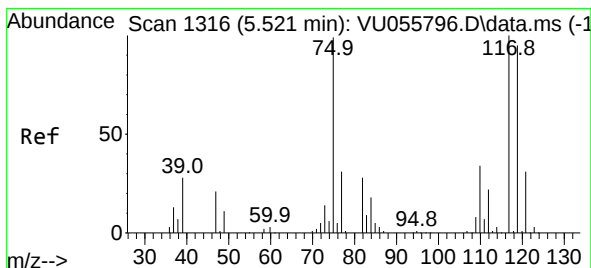
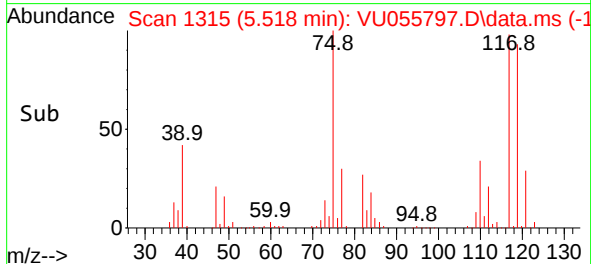
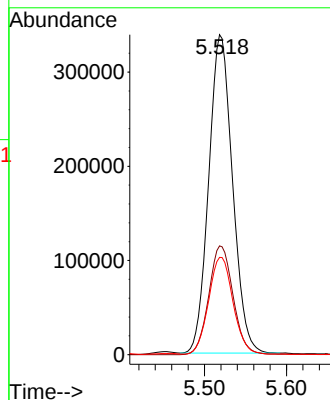
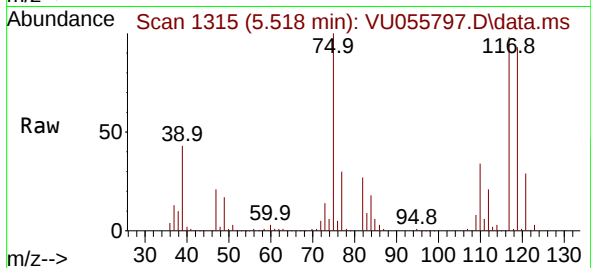
77 31.1 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#30

Carbon Tetrachloride

Concen: 15.385 ug/l

RT: 5.518 min Scan# 1315

Delta R.T. -0.003 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

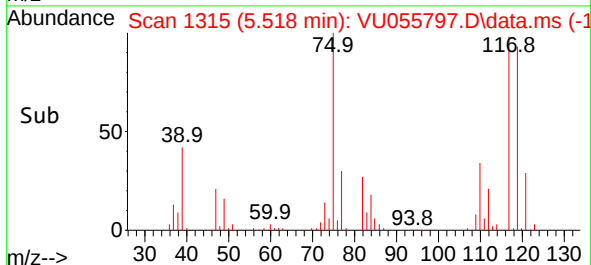
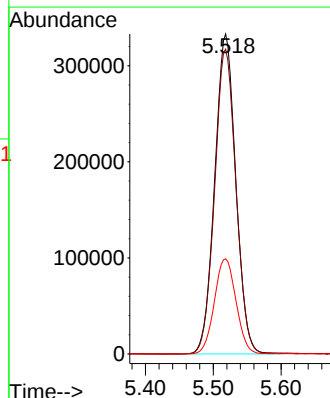
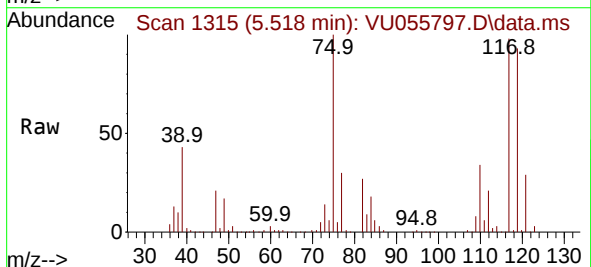
Tgt Ion:117 Resp: 719608

Ion Ratio Lower Upper

117 100

119 95.3 77.4 116.0

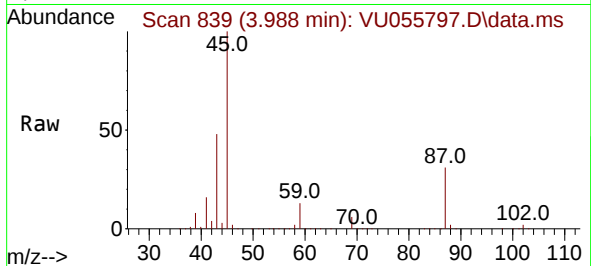
121 29.8 24.0 36.0





#31
Isopropyl Ether
Concen: 16.867 ug/l
RT: 3.988 min Scan# 839
Delta R.T. -0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

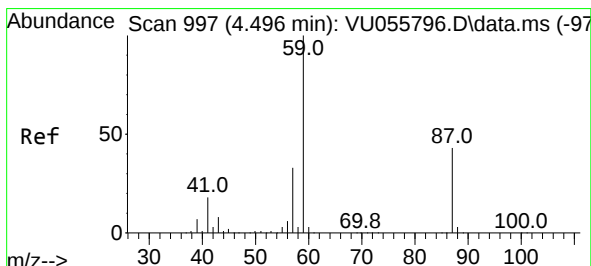
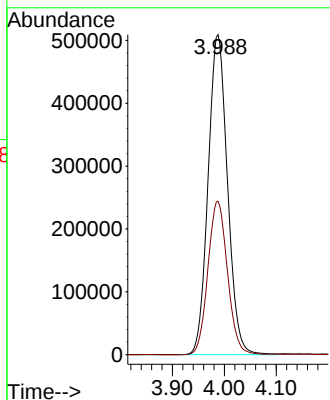
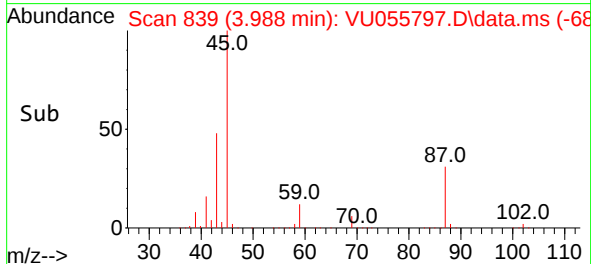
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



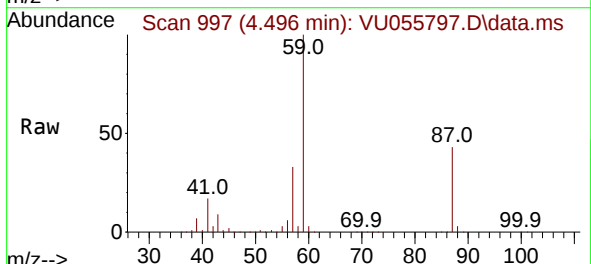
Tgt Ion: 45 Resp: 132001
Ion Ratio Lower Upper
45 100
43 48.5 27.5 82.5

Manual Integrations
APPROVED

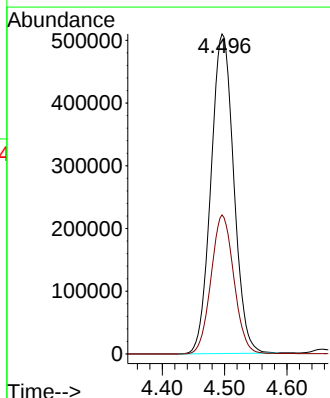
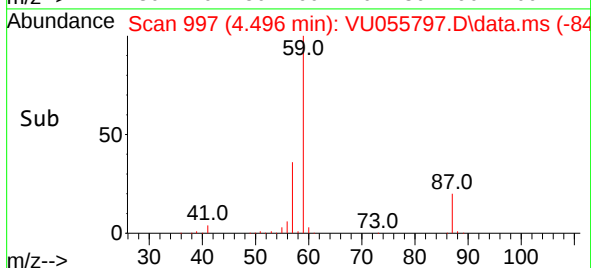
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

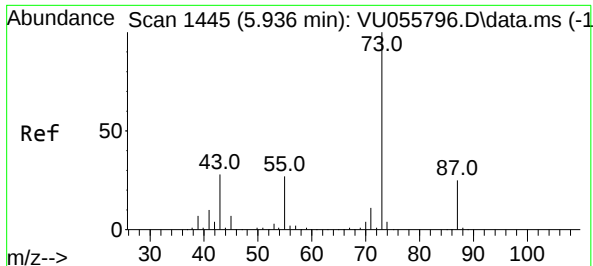


#32
Ethyl-t-butyl ether
Concen: 17.140 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30



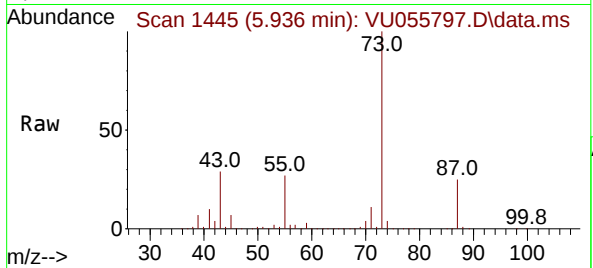
Tgt Ion: 59 Resp: 1294886
Ion Ratio Lower Upper
59 100
87 43.2 33.5 50.3





#33
Tert-Amyl methyl ether
Concen: 17.525 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

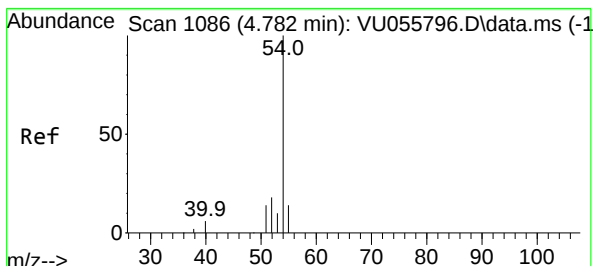
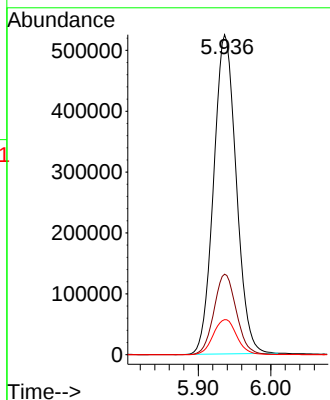
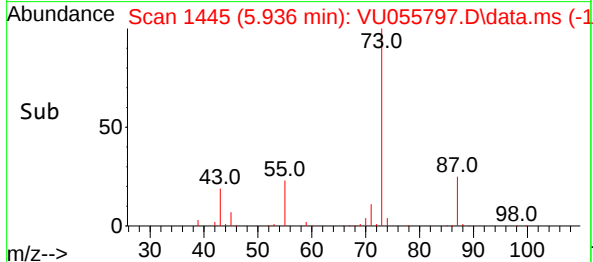
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



Tgt Ion: 73 Resp: 113466
Ion Ratio Lower Upper
73 100
87 25.0 18.6 28.0
71 11.4 9.9 14.9

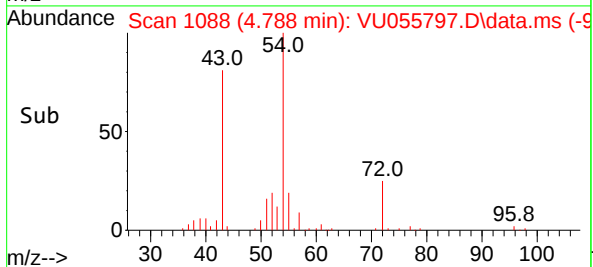
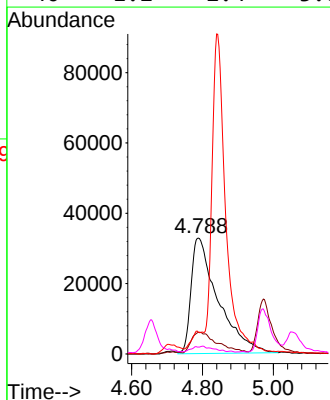
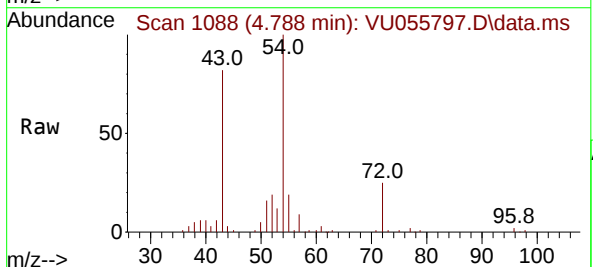
Manual Integrations
APPROVED

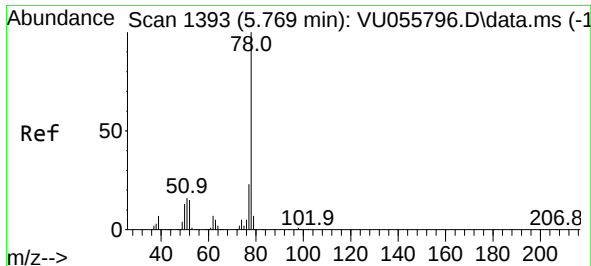
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#34
Propionitrile
Concen: 88.391 ug/l
RT: 4.788 min Scan# 1088
Delta R.T. 0.006 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

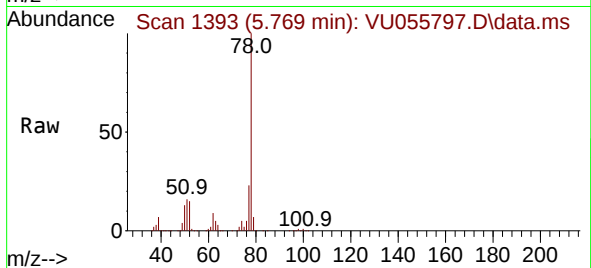
Tgt Ion: 54 Resp: 173605
Ion Ratio Lower Upper
54 100
52 17.4 17.4 26.0
55 6.0 104.1 156.1#
40 1.2 2.4 3.6#





#35
Benzene
Concen: 15.648 ug/l
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

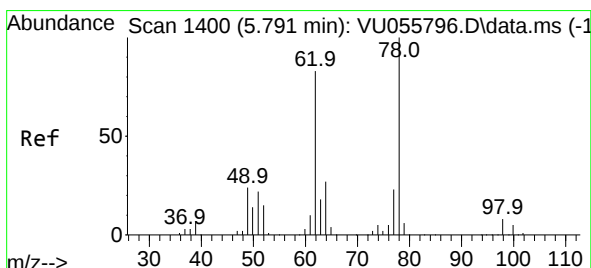
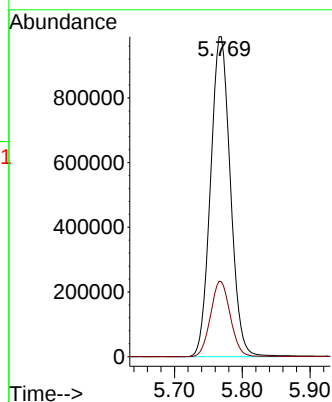
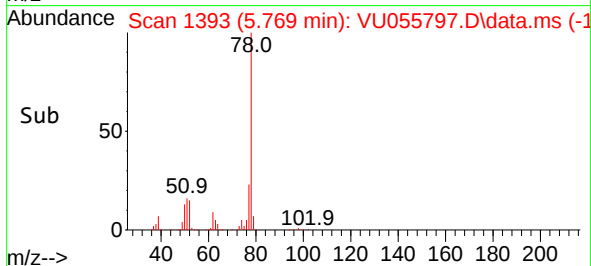
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



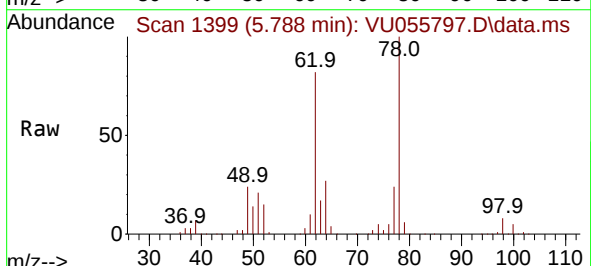
Tgt Ion: 78 Resp: 2011529
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3

Manual Integrations
APPROVED

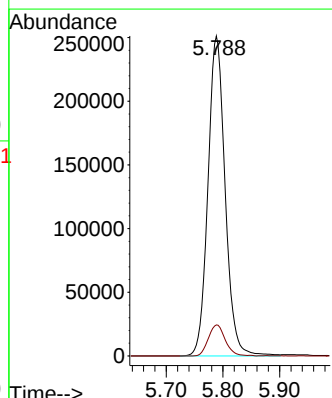
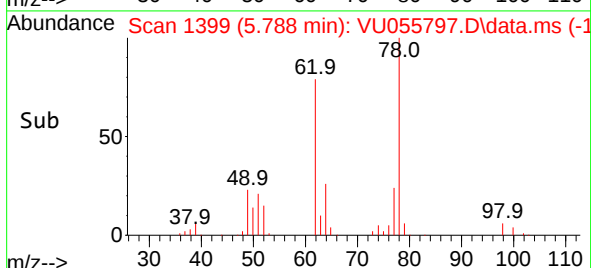
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

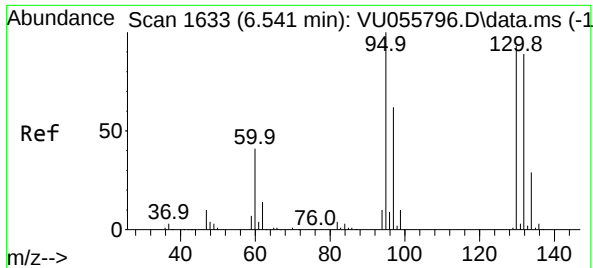


#36
1,2-Dichloroethane
Concen: 15.176 ug/l
RT: 5.788 min Scan# 1399
Delta R.T. -0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30



Tgt Ion: 62 Resp: 529799
Ion Ratio Lower Upper
62 100
98 9.6 7.3 10.9





#37

Trichloroethene

Concen: 15.416 ug/l

RT: 6.537 min Scan# 1

Delta R.T. -0.004 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:130 Resp: 51557

Ion Ratio Lower Upper

130 100

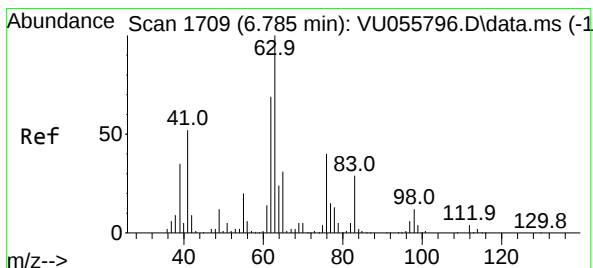
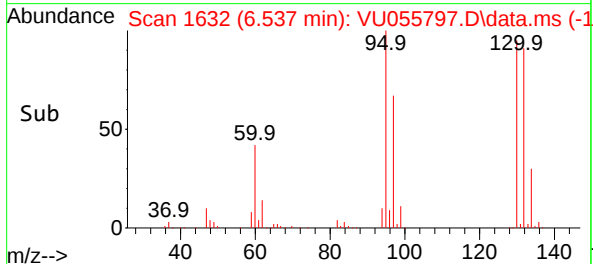
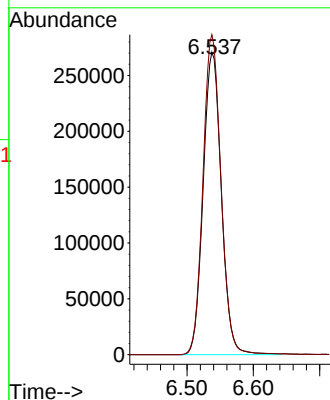
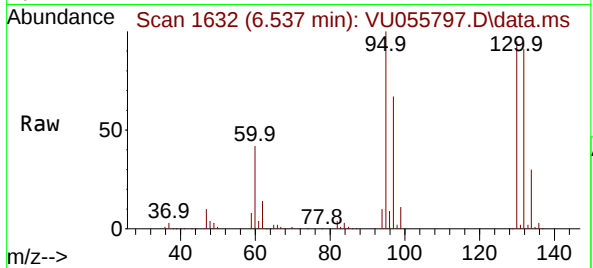
95 105.8 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#38

1,2-Dichloropropane

Concen: 15.763 ug/l

RT: 6.785 min Scan# 1709

Delta R.T. 0.000 min

Lab File: VU055797.D

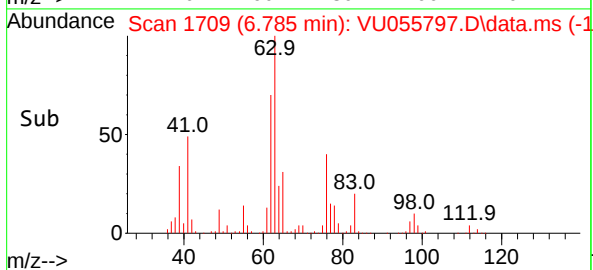
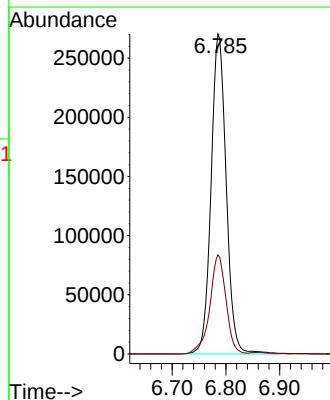
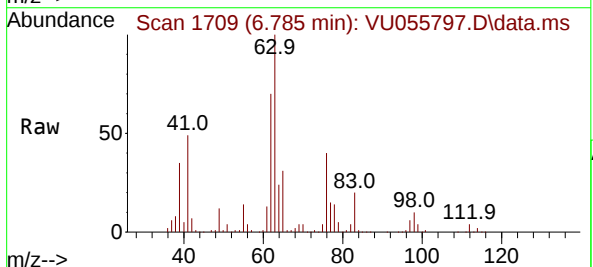
Acq: 18 Oct 2023 12:30

Tgt Ion: 63 Resp: 529188

Ion Ratio Lower Upper

63 100

65 31.0 24.9 37.3





#39

Methacrylonitrile

Concen: 17.302 ug/l

RT: 4.972 min Scan# 1145

Delta R.T. 0.004 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

Tgt Ion: 41 Resp: 127020

Ion Ratio Lower Upper

41 100

67 92.4 66.8 100.2

39 53.5 41.2 61.8

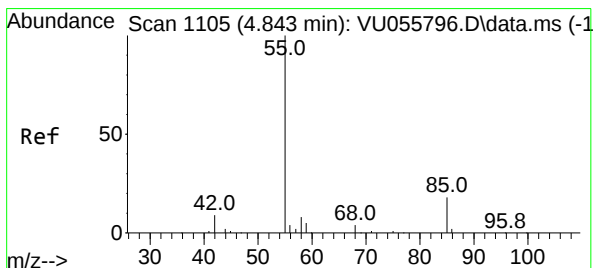
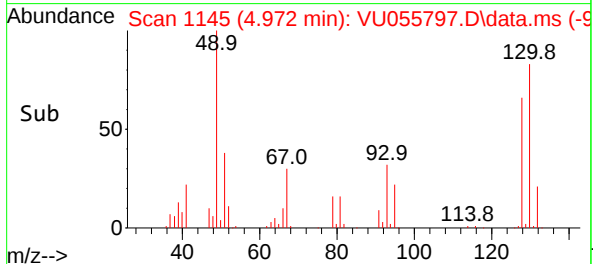
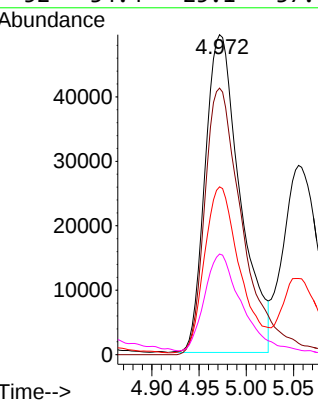
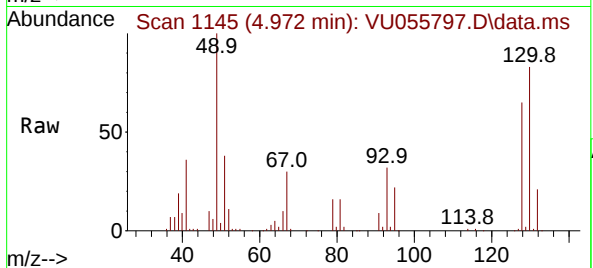
52 34.4 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#40

Methyl acrylate

Concen: 19.989 ug/l

RT: 4.840 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Tgt Ion: 55 Resp: 242417

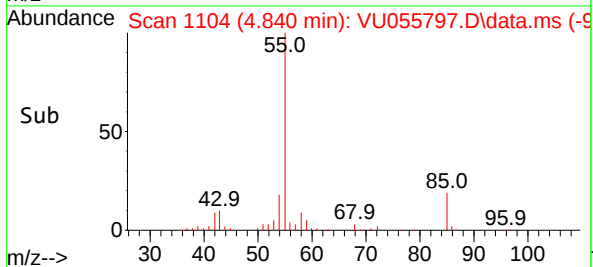
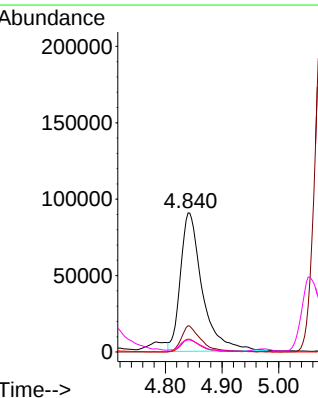
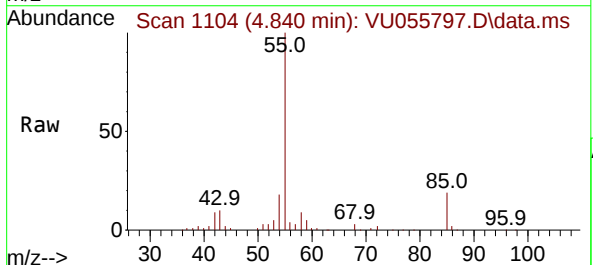
Ion Ratio Lower Upper

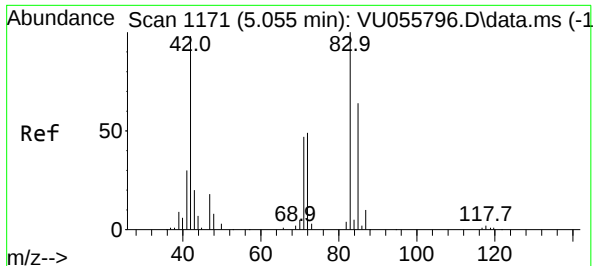
55 100

85 17.2 13.3 19.9

58 8.1 6.5 9.7

42 8.1 5.9 8.9





#41

Tetrahydrofuran

Concen: 30.704 ug/l

RT: 5.052 min Scan# 1171

Delta R.T. -0.003 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 129436

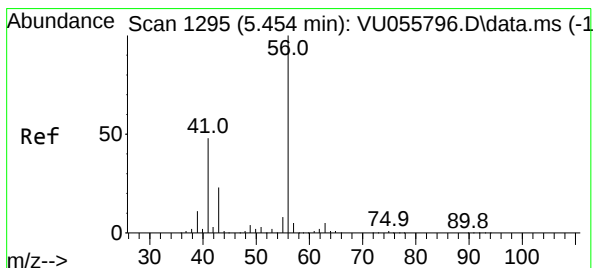
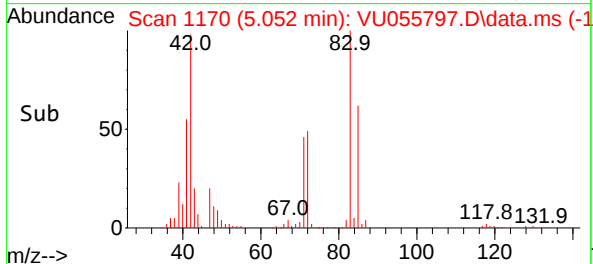
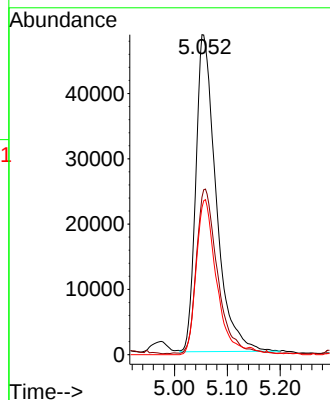
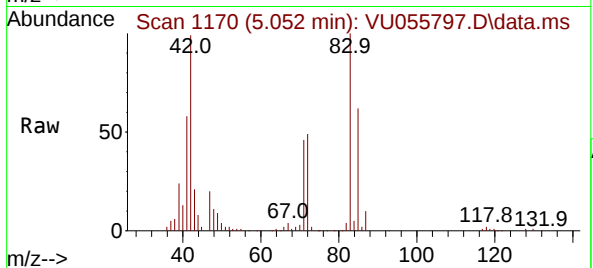
Ion	Ratio	Lower	Upper
42	100		
72	53.6	40.9	61.3
71	48.4	36.9	55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#42

1-Chlorobutane

Concen: 16.183 ug/l

RT: 5.451 min Scan# 1294

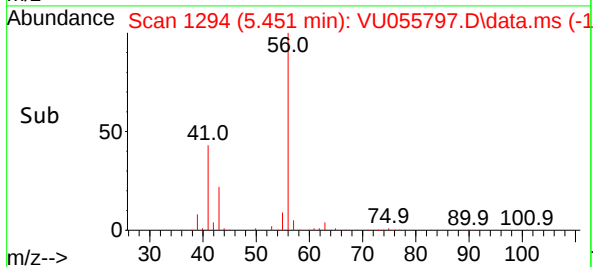
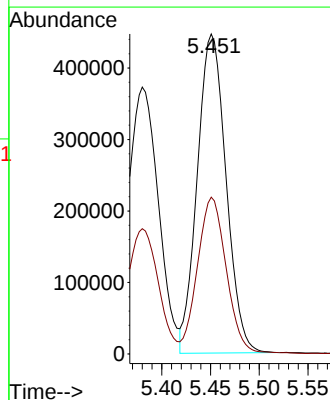
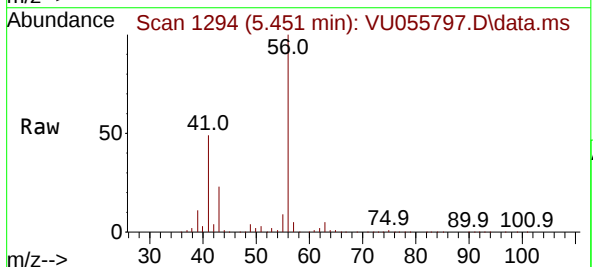
Delta R.T. -0.003 min

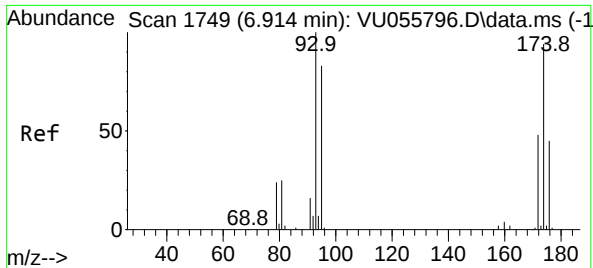
Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Tgt Ion: 56 Resp: 915584

Ion	Ratio	Lower	Upper
56	100		
41	49.1	25.2	75.6





#43

Dibromomethane

Concen: 15.119 ug/l

RT: 6.914 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 93 Resp: 241230

Ion Ratio Lower Upper

93 100

95 82.9 67.0 100.6

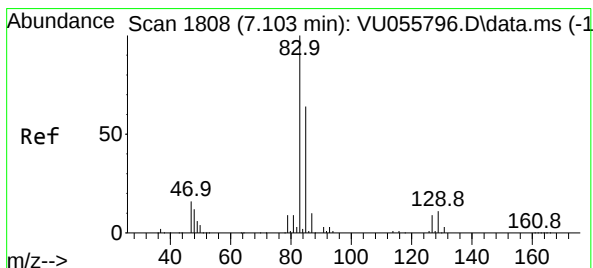
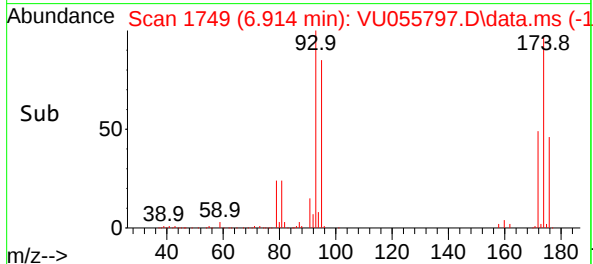
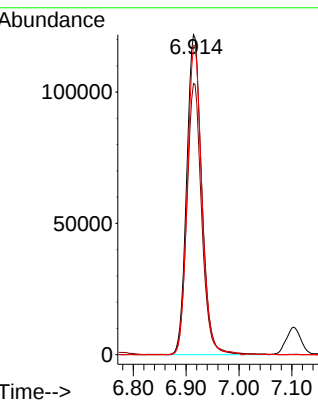
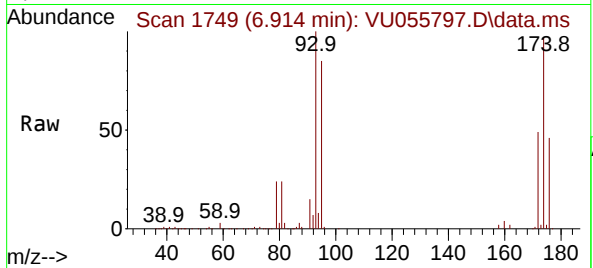
174 93.9 73.8 110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#44

Bromodichloromethane

Concen: 15.490 ug/l

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

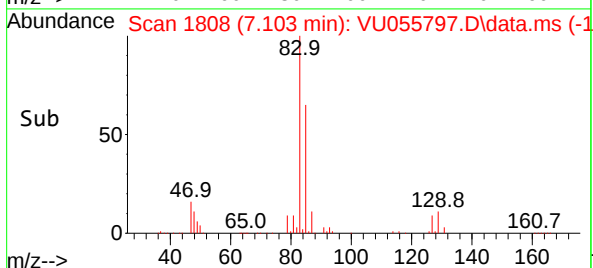
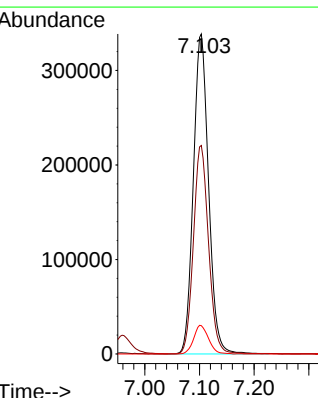
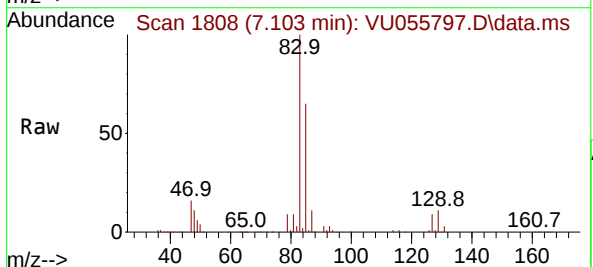
Tgt Ion: 83 Resp: 653184

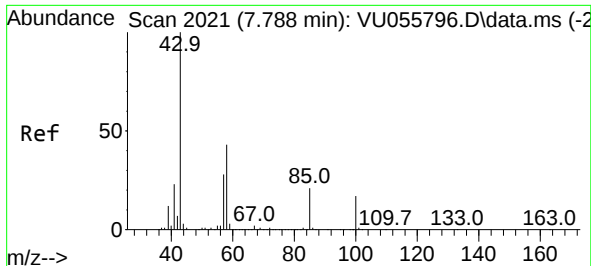
Ion Ratio Lower Upper

83 100

85 65.1 51.9 77.9

127 8.9 6.7 10.1





#45

4-Methyl-2-Pentanone

Concen: 81.256 ug/l

RT: 7.804 min Scan# 2026

Delta R.T. 0.016 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

Tgt Ion: 43 Resp: 1340820

Ion Ratio Lower Upper

43 100

58 44.6 20.9 62.8

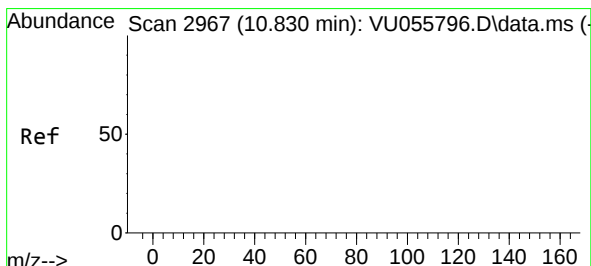
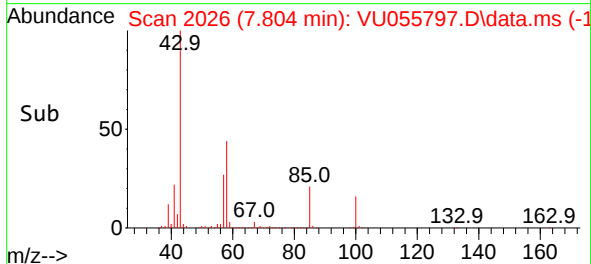
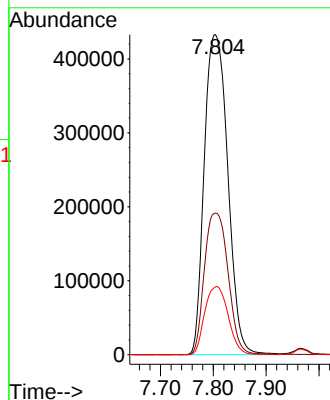
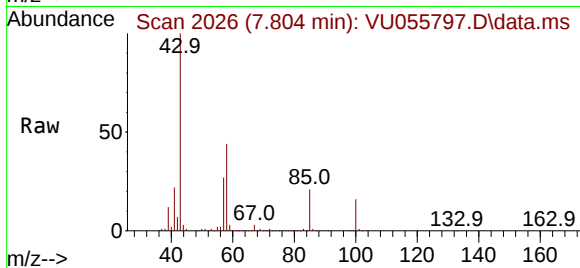
85 21.2 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#46

t-1,4-Dichloro-2-butene

Concen: 42.453 ug/l m

RT: 10.836 min Scan# 2969

Delta R.T. 0.006 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Tgt Ion: 75 Resp: 241175

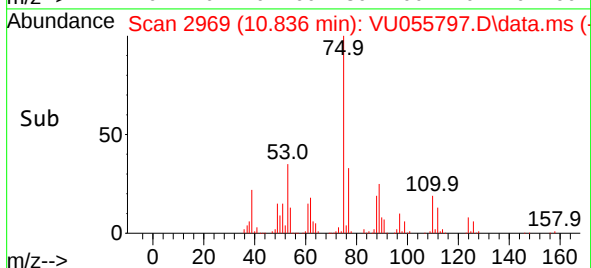
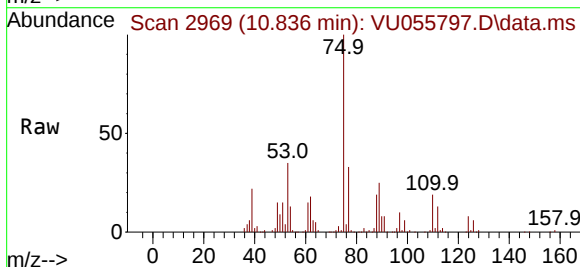
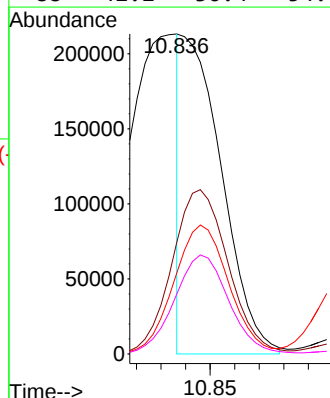
Ion Ratio Lower Upper

75 100

53 72.4 73.3 109.9#

89 55.8 48.2 72.4

88 42.2 36.4 54.6





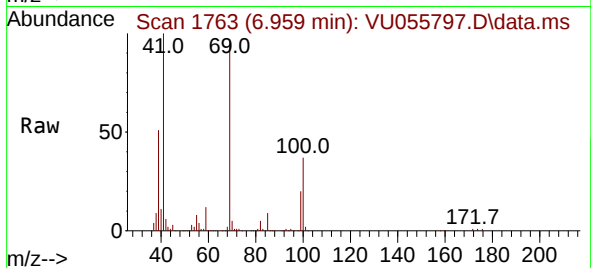
#47
Methyl methacrylate
Concen: 35.108 ug/l
RT: 6.959 min Scan# 1763
Delta R.T. -0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015



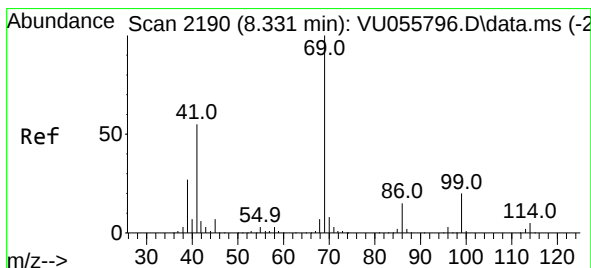
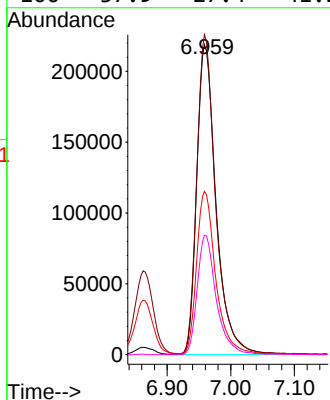
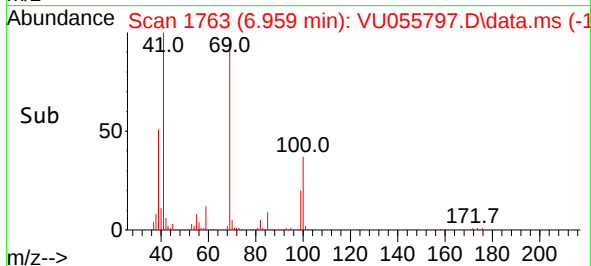
Tgt Ion: 69 Resp: 46210
Ion Ratio Lower Upper
69 100
41 99.9 0.0 209.2
39 51.7 46.7 70.1
100 37.9 27.4 41.2

Manual Integrations

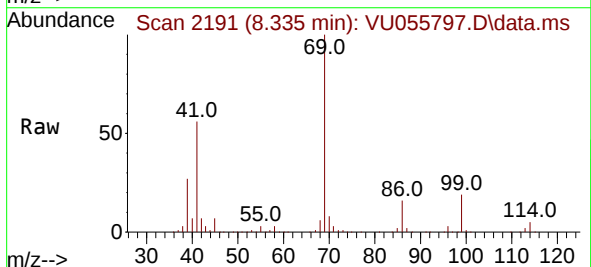
APPROVED

Reviewed By :John Carlone 10/19/2023

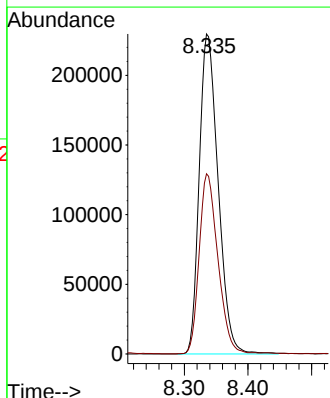
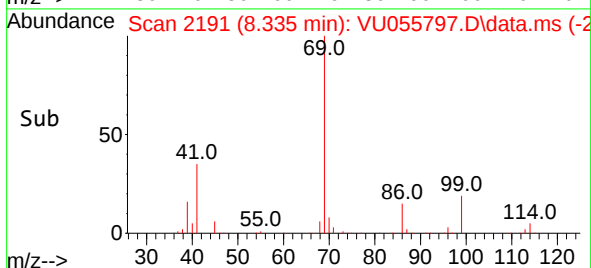
Supervised By :Mahesh Dadoda 10/24/2023



#48
Ethyl methacrylate
Concen: 18.951 ug/l
RT: 8.335 min Scan# 2191
Delta R.T. 0.004 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30



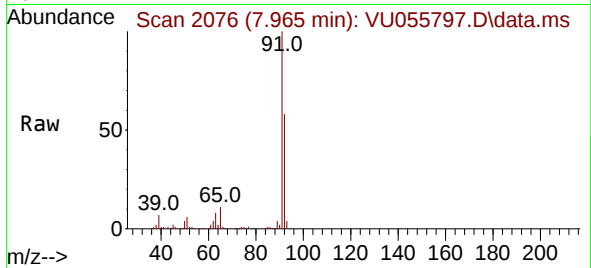
Tgt Ion: 69 Resp: 473523
Ion Ratio Lower Upper
69 100
41 55.7 30.3 90.8





#49
Toluene
Concen: 16.690 ug/l
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

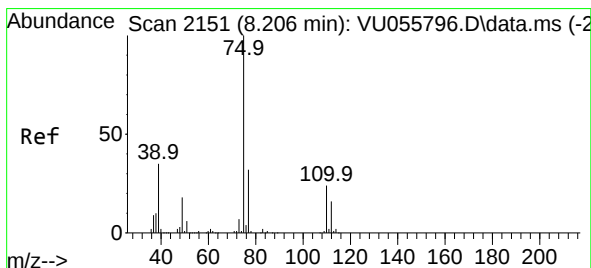
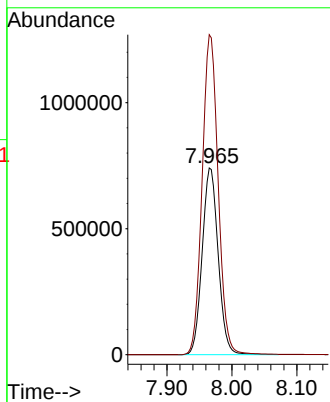
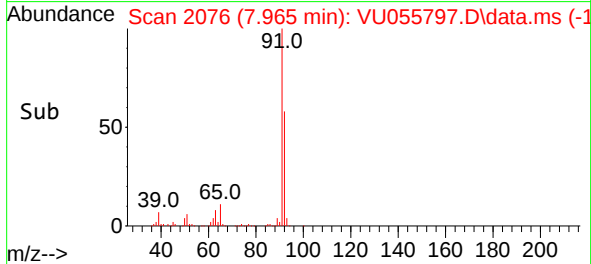
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



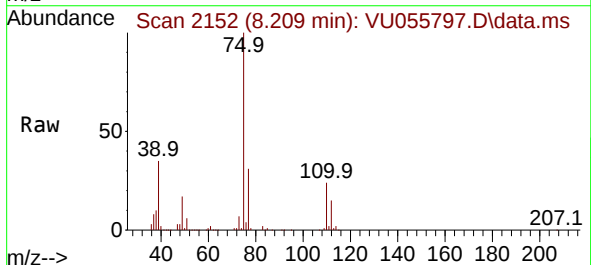
Tgt Ion: 92 Resp: 126975
Ion Ratio Lower Upper
92 100
91 172.0 143.0 214.6

Manual Integrations
APPROVED

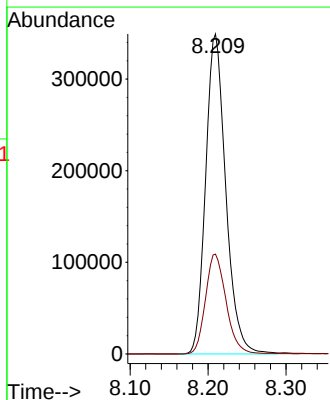
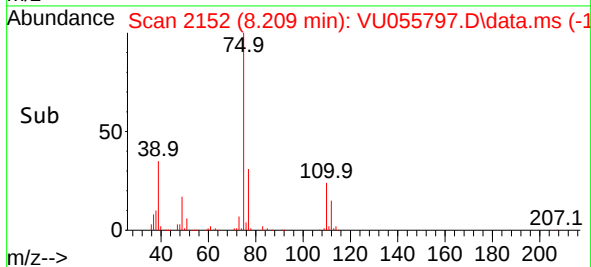
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

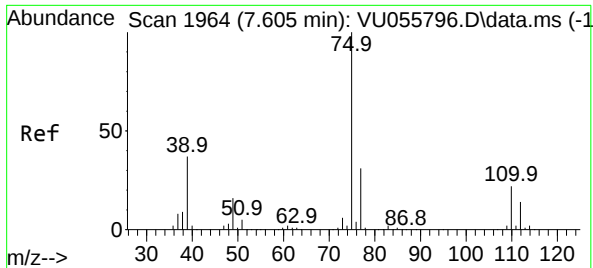


#50
t-1,3-Dichloropropene
Concen: 16.827 ug/l
RT: 8.209 min Scan# 2152
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30



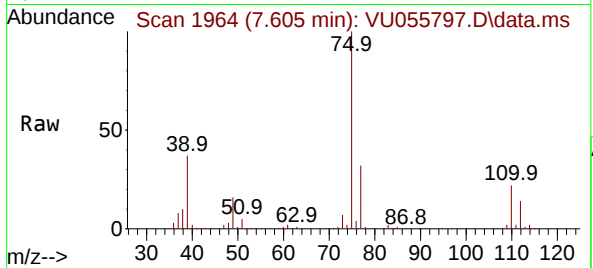
Tgt Ion: 75 Resp: 627895
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9





#51
 cis-1,3-Dichloropropene
 Concen: 16.649 ug/l
 RT: 7.605 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VU055797.D
 Acq: 18 Oct 2023 12:30

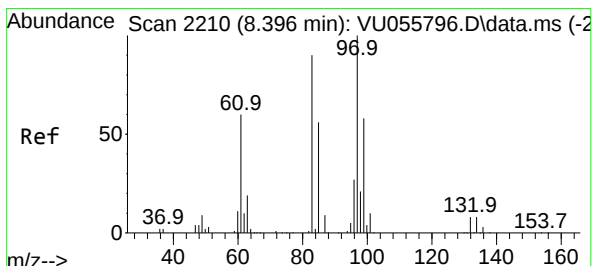
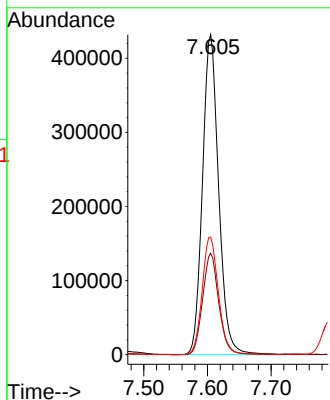
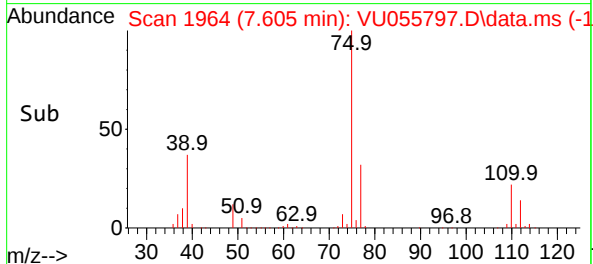
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015



Tgt Ion: 75 Resp: 760284
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.7 38.5
 39 36.7 32.8 49.2

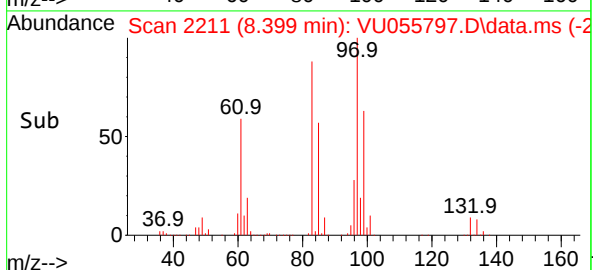
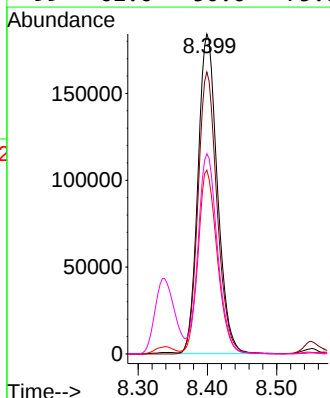
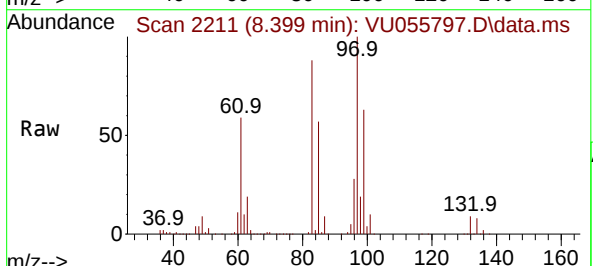
Manual Integrations
 APPROVED

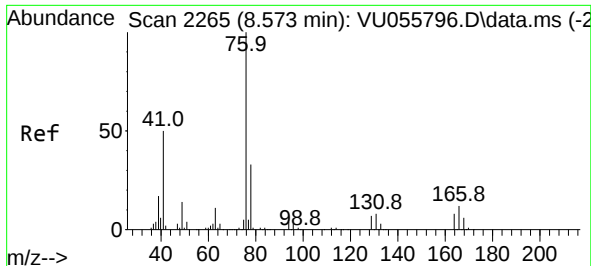
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#52
 1,1,2-Trichloroethane
 Concen: 15.702 ug/l
 RT: 8.399 min Scan# 2211
 Delta R.T. 0.003 min
 Lab File: VU055797.D
 Acq: 18 Oct 2023 12:30

Tgt Ion: 97 Resp: 357846
 Ion Ratio Lower Upper
 97 100
 83 88.1 71.8 107.8
 85 57.4 45.2 67.8
 99 62.6 50.6 75.8





#53

1,3-Dichloropropane

Concen: 15.897 ug/l

RT: 8.573 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

Tgt Ion: 76 Resp: 619198

Ion Ratio Lower Upper

76 100

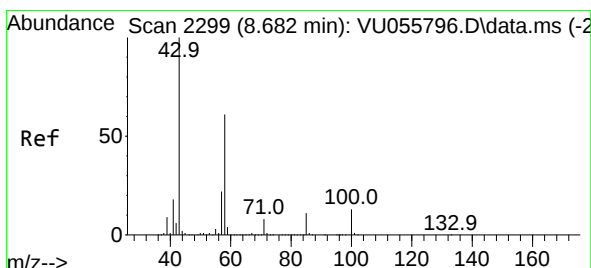
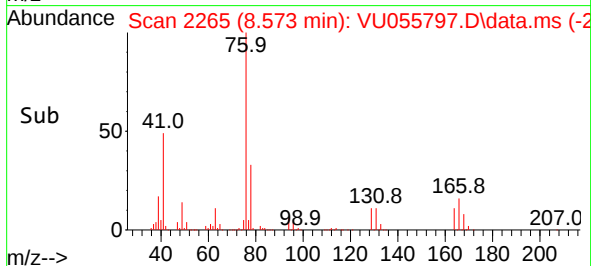
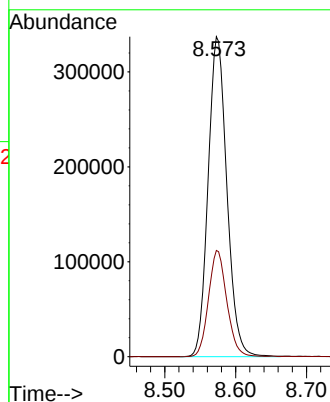
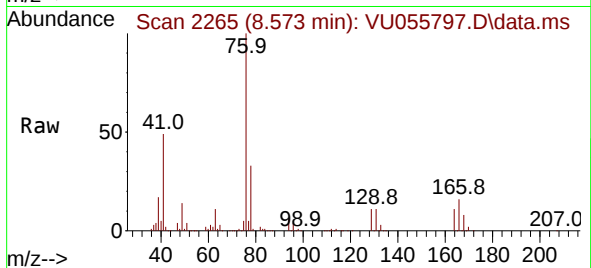
78 32.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#54

2-Hexanone

Concen: 75.942 ug/l

RT: 8.701 min Scan# 2305

Delta R.T. 0.019 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

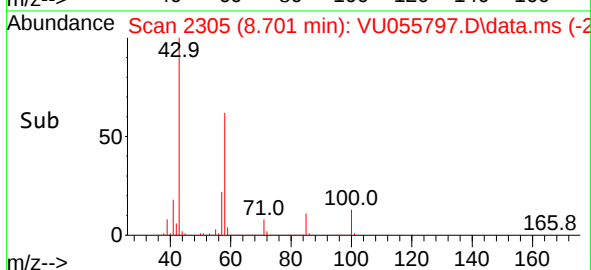
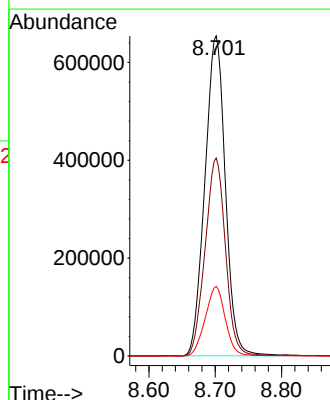
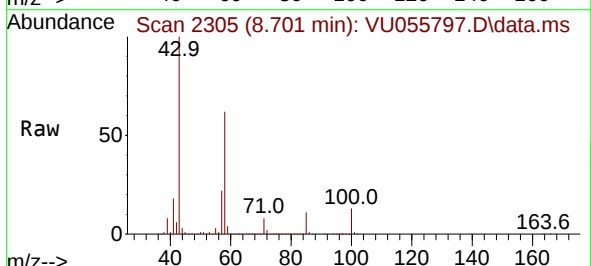
Tgt Ion: 43 Resp: 1403910

Ion Ratio Lower Upper

43 100

58 61.7 38.2 78.2

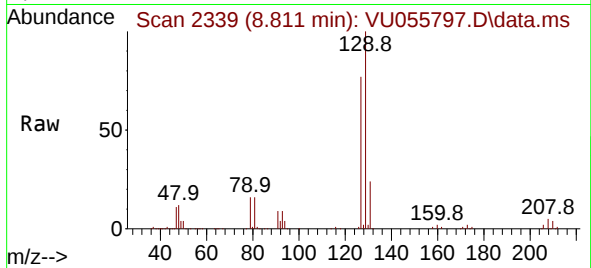
57 21.3 0.0 39.1





#55
Dibromochloromethane
Concen: 16.058 ug/l
RT: 8.811 min Scan# 2339
Delta R.T. 0.004 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

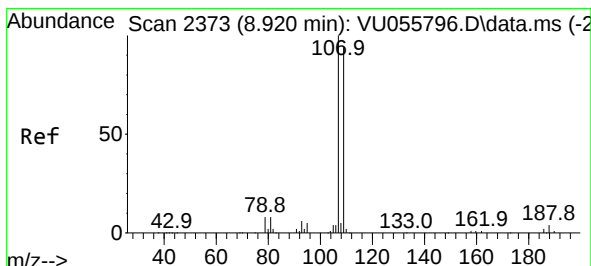
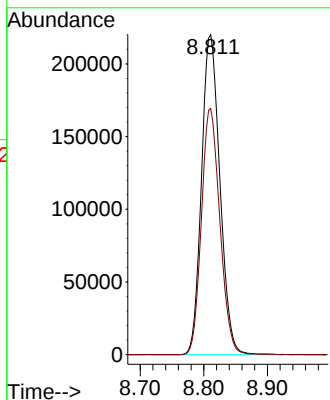
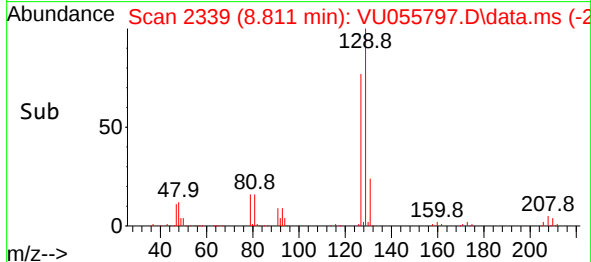
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



Tgt Ion:129 Resp: 441718
Ion Ratio Lower Upper
129 100
127 77.0 61.4 92.0

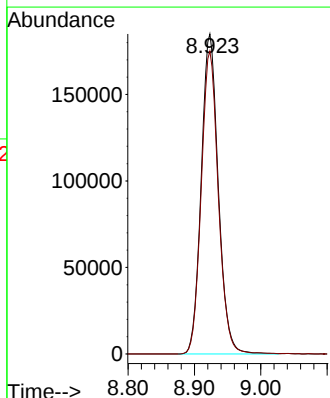
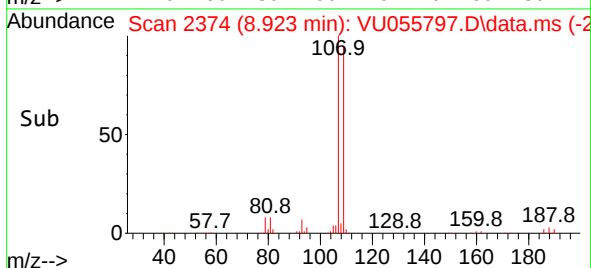
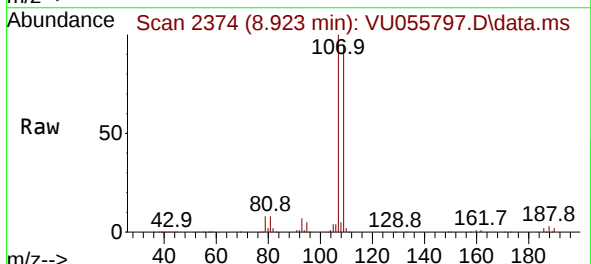
Manual Integrations
APPROVED

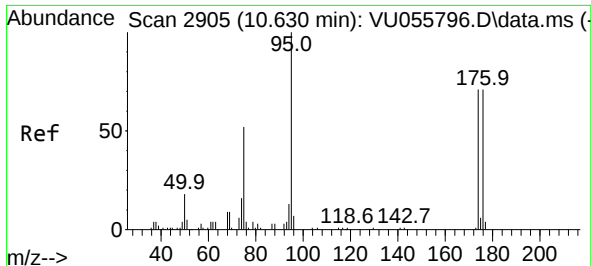
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#56
1,2-Dibromoethane
Concen: 15.923 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

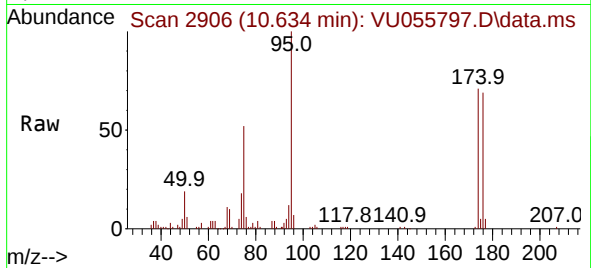
Tgt Ion:107 Resp: 331554
Ion Ratio Lower Upper
107 100
109 94.8 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 0.963 ug/l
RT: 10.634 min Scan# 2905
Delta R.T. 0.004 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

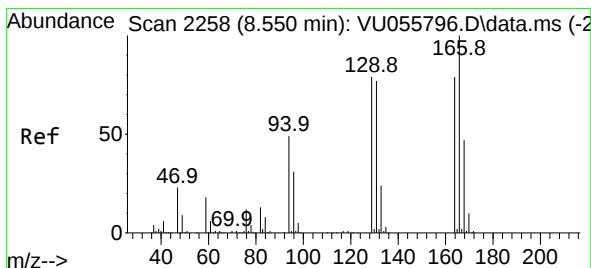
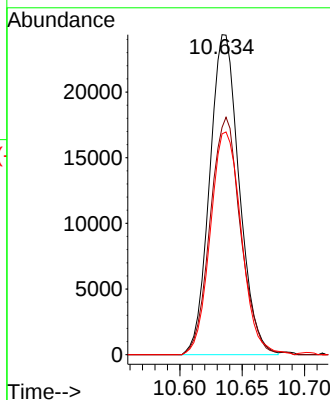
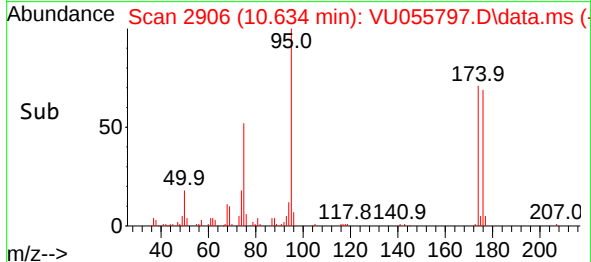
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



Tgt Ion: 95 Resp: 40268
Ion Ratio Lower Upper
95 100
174 76.4 63.3 94.9
176 72.8 59.3 88.9

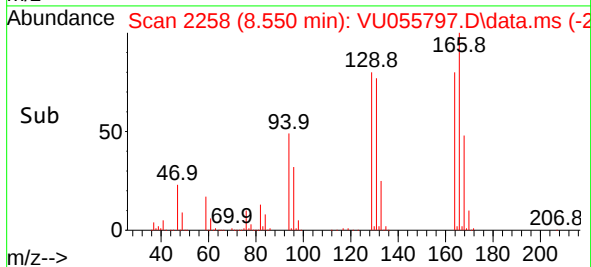
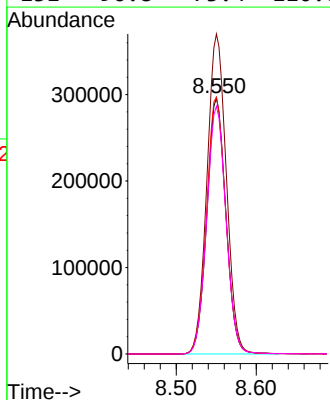
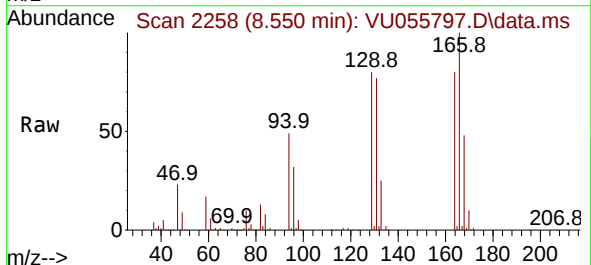
Manual Integrations
APPROVED

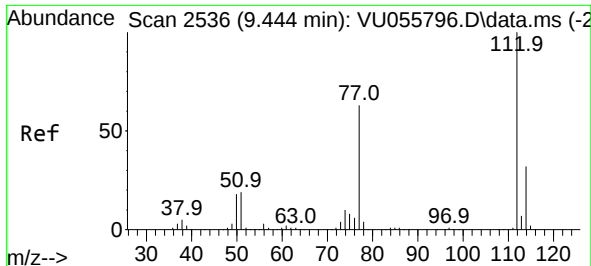
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#58
Tetrachloroethene
Concen: 14.067 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

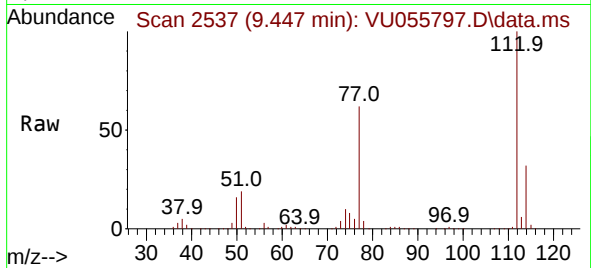
Tgt Ion:164 Resp: 489206
Ion Ratio Lower Upper
164 100
166 125.0 99.6 149.4
129 100.3 78.6 117.8
131 96.8 73.4 110.0





#59
Chlorobenzene
Concen: 16.632 ug/l
RT: 9.447 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

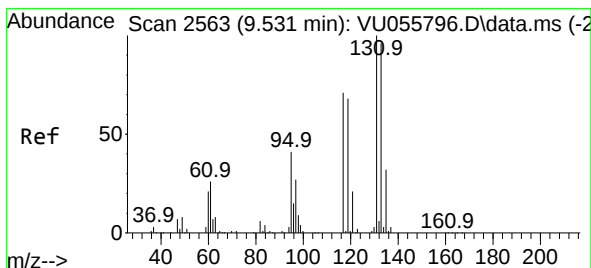
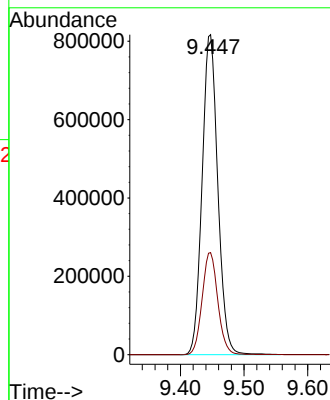
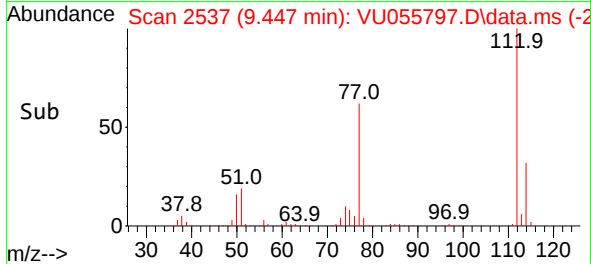
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



Tgt Ion:112 Resp: 139754
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4

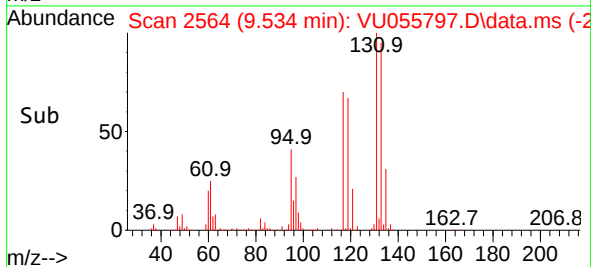
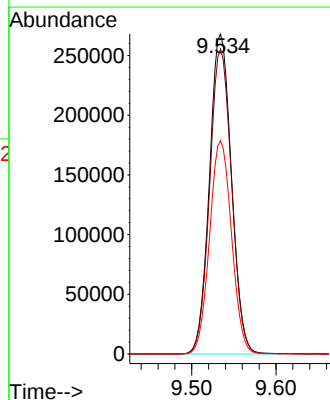
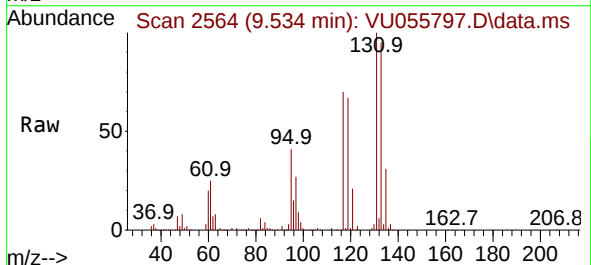
Manual Integrations
APPROVED

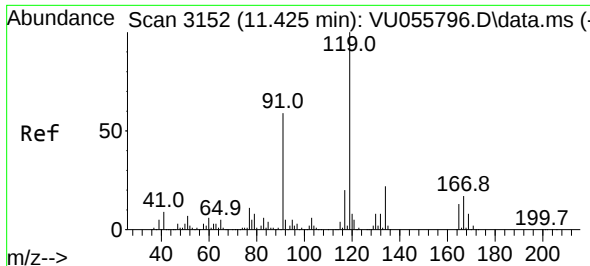
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 16.220 ug/l
RT: 9.534 min Scan# 2564
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Tgt Ion:131 Resp: 485732
Ion Ratio Lower Upper
131 100
133 95.4 77.8 116.6
119 66.7 55.2 82.8





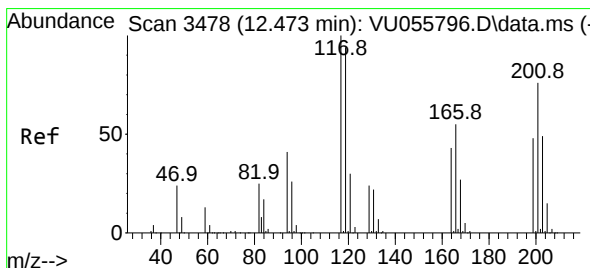
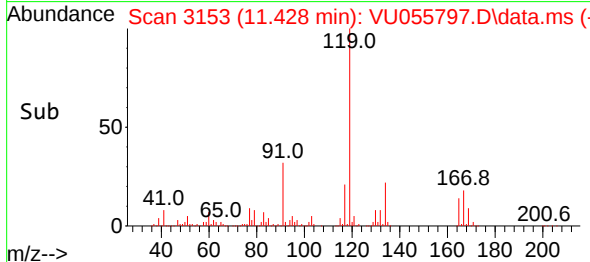
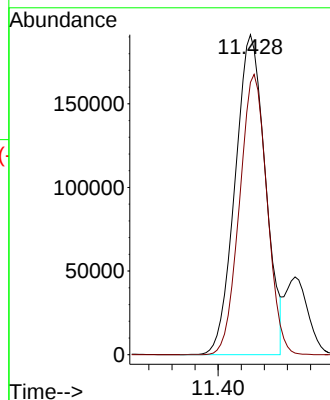
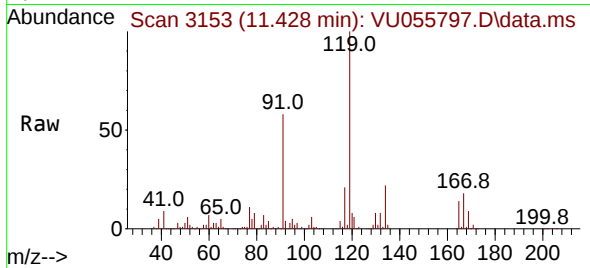
#61
Pentachloroethane
Concen: 17.143 ug/l
RT: 11.428 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 34746
Ion Ratio Lower Upper
117 100
167 79.7 56.7 85.1

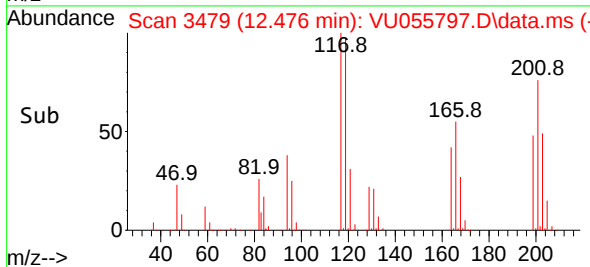
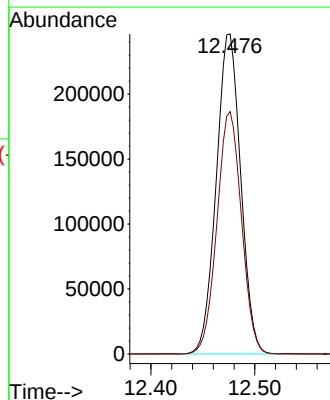
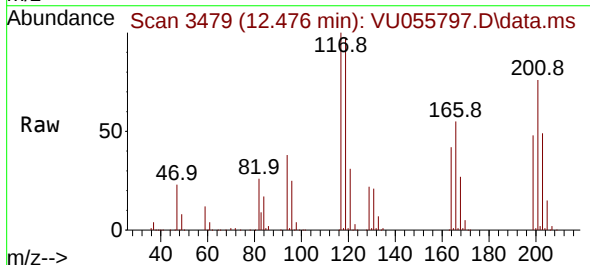
Manual Integrations
APPROVED

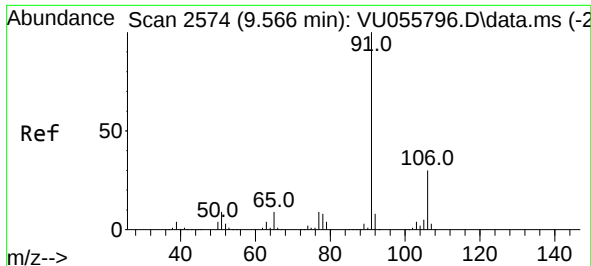
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#62
Hexachloroethane
Concen: 18.807 ug/l
RT: 12.476 min Scan# 3479
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Tgt Ion:117 Resp: 403542
Ion Ratio Lower Upper
117 100
201 75.9 59.6 89.4





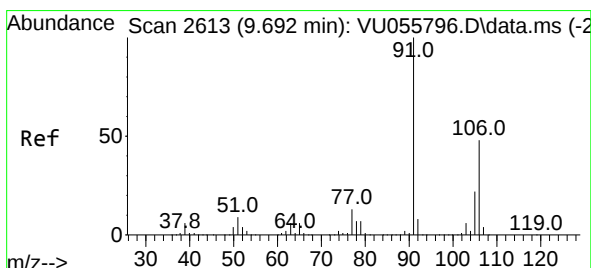
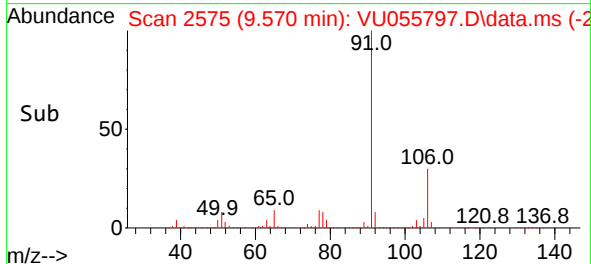
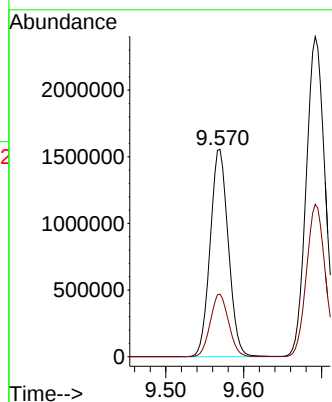
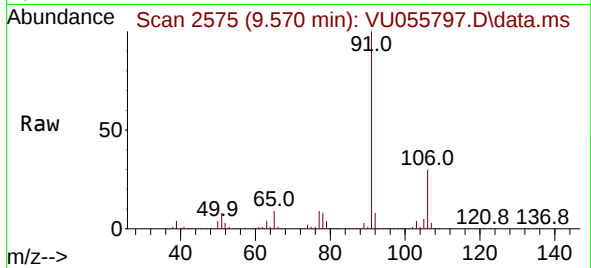
#63
Ethyl Benzene
Concen: 17.682 ug/l
RT: 9.570 min Scan# 2574
Delta R.T. 0.004 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 252126
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2

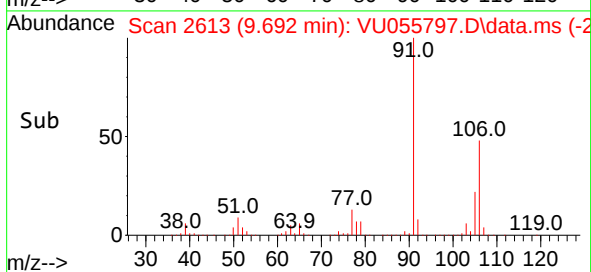
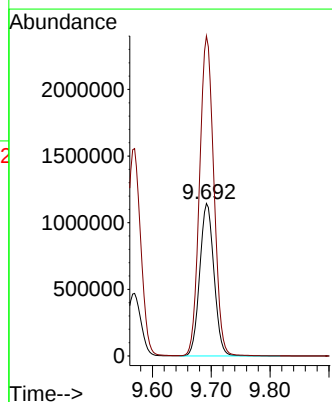
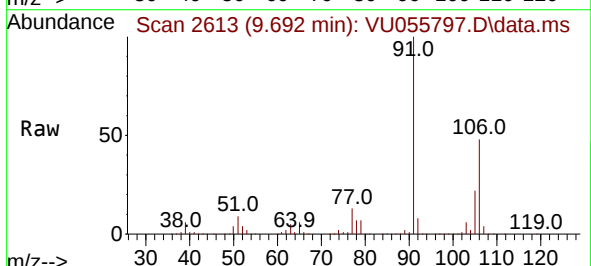
Manual Integrations
APPROVED

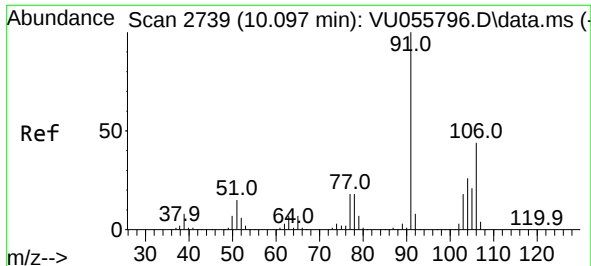
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#64
m/p-Xylenes
Concen: 35.083 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Tgt Ion:106 Resp: 1923038
Ion Ratio Lower Upper
106 100
91 210.4 167.3 250.9





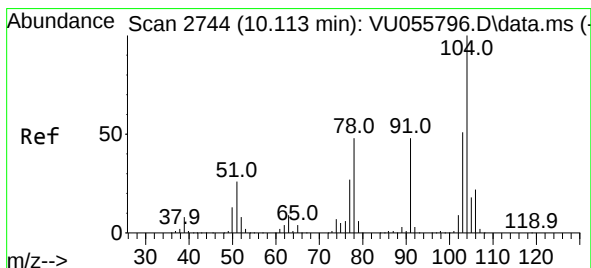
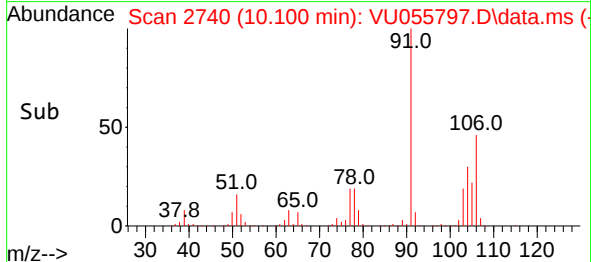
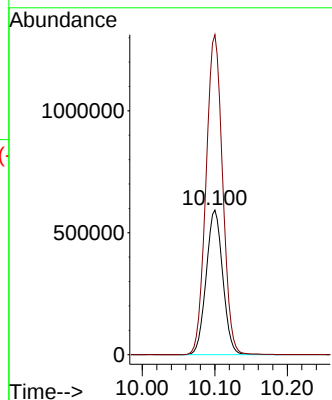
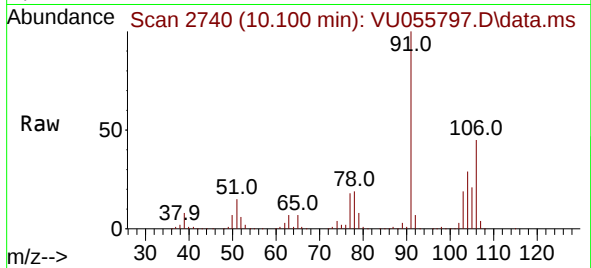
#65
o-Xylene
Concen: 17.537 ug/l
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:106 Resp: 943249
Ion Ratio Lower Upper
106 100
91 221.8 109.3 327.9

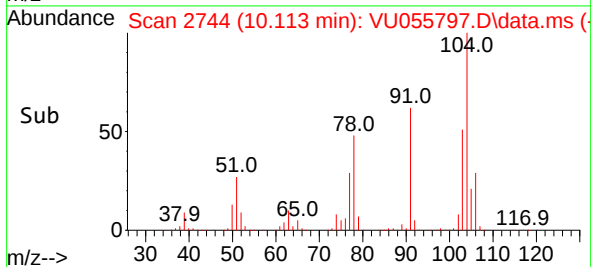
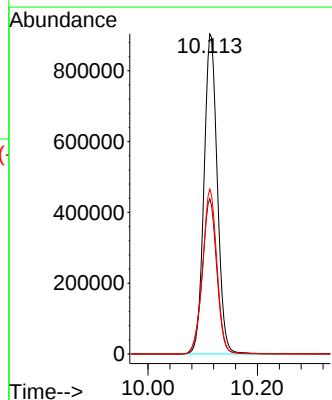
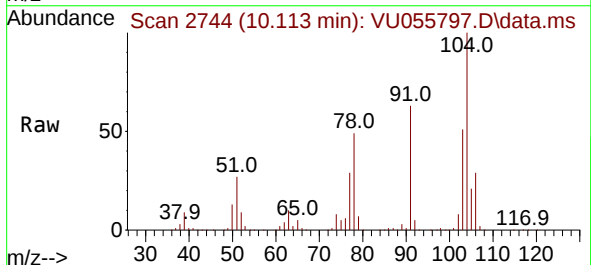
Manual Integrations
APPROVED

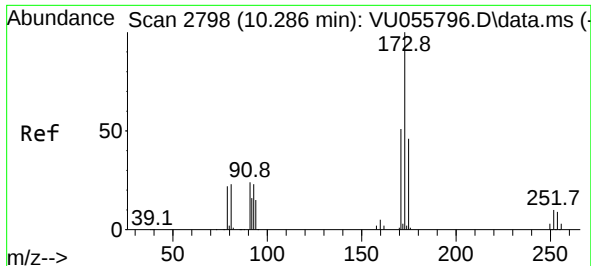
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#66
Styrene
Concen: 18.177 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

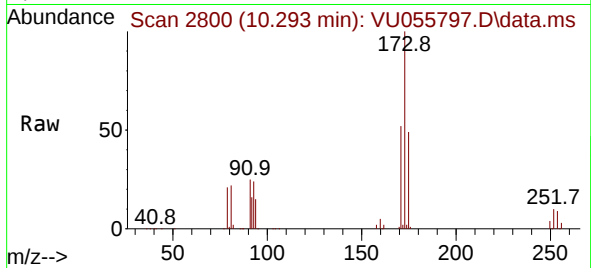
Tgt Ion:104 Resp: 1528914
Ion Ratio Lower Upper
104 100
78 52.7 39.7 59.5
103 55.2 44.8 67.2





#67
Bromoform
Concen: 16.399 ug/l
RT: 10.293 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

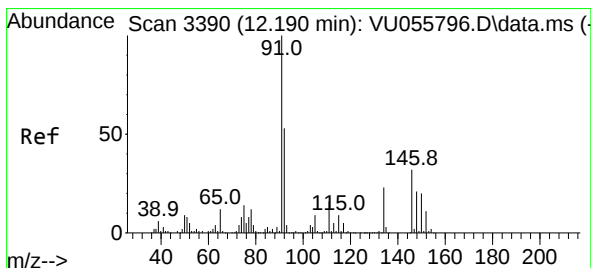
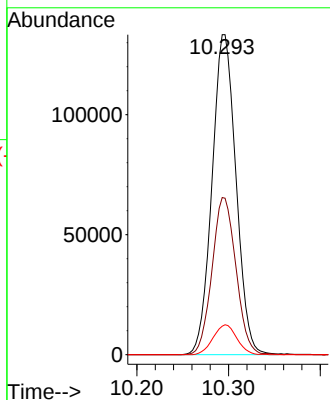
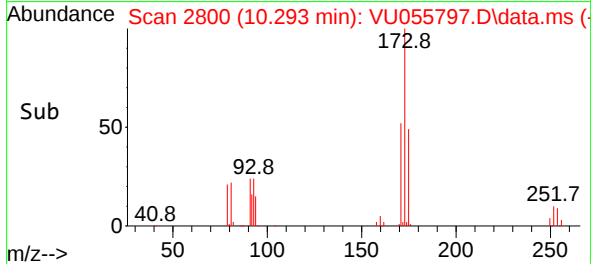
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015



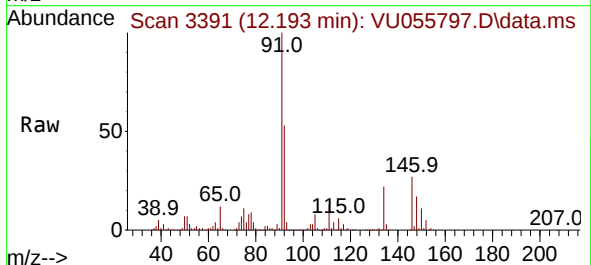
Tgt Ion:173 Resp: 242295
Ion Ratio Lower Upper
173 100
175 49.0 39.0 58.6
254 9.3 7.4 11.0

Manual Integrations
APPROVED

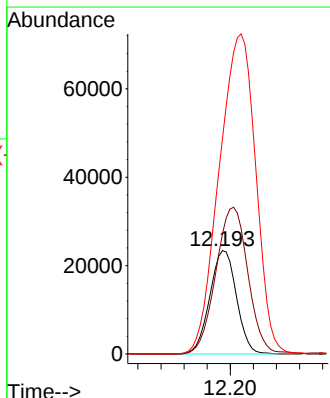
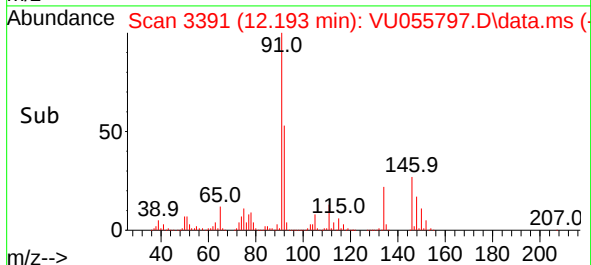
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

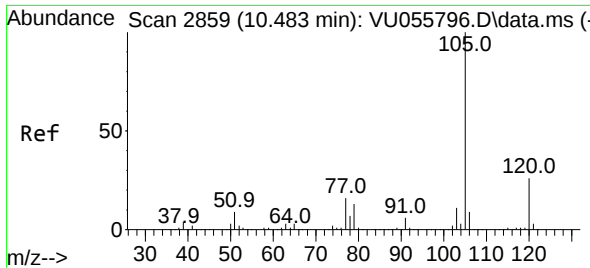


#68
1,2-Dichlorobenzene-d4
Concen: 0.970 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30



Tgt Ion:152 Resp: 37572
Ion Ratio Lower Upper
152 100
115 170.9 0.0 308.8
150 423.6 0.0 635.0





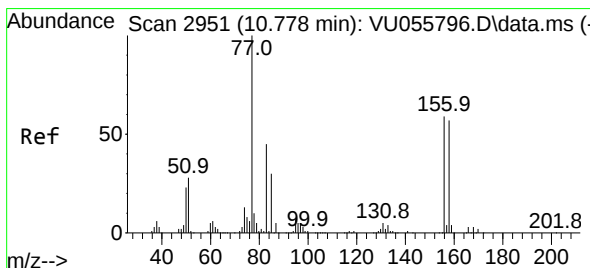
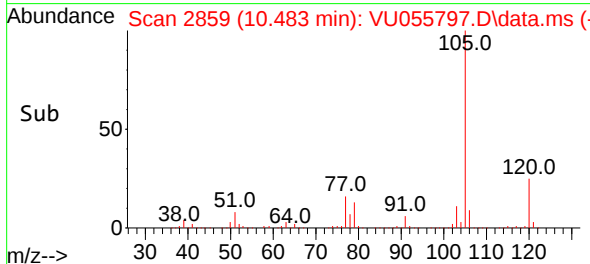
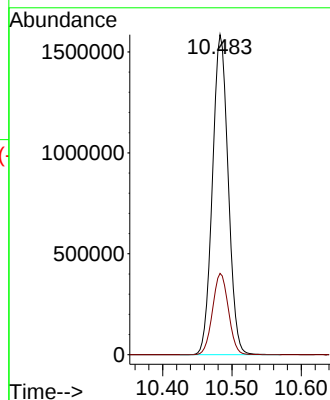
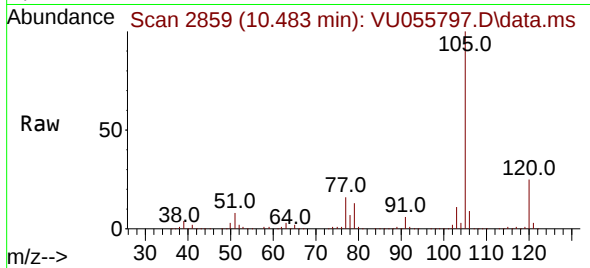
#69
Isopropylbenzene
Concen: 18.034 ug/l
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:105 Resp: 2497170
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.4

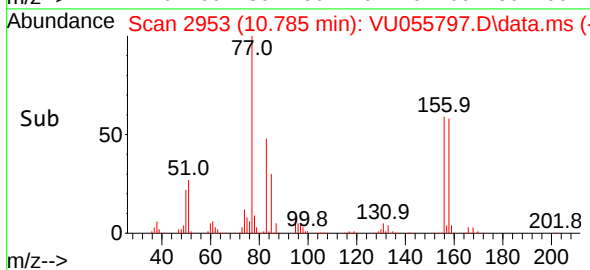
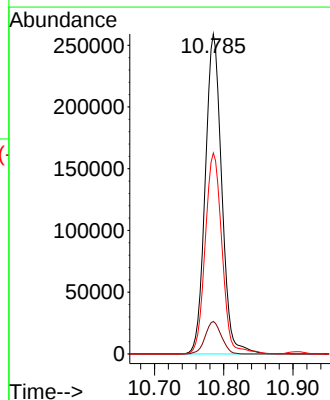
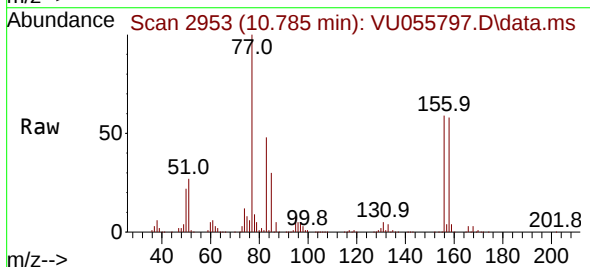
Manual Integrations
APPROVED

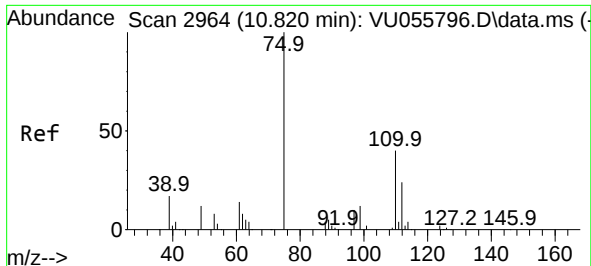
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 16.034 ug/l
RT: 10.785 min Scan# 2953
Delta R.T. 0.007 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

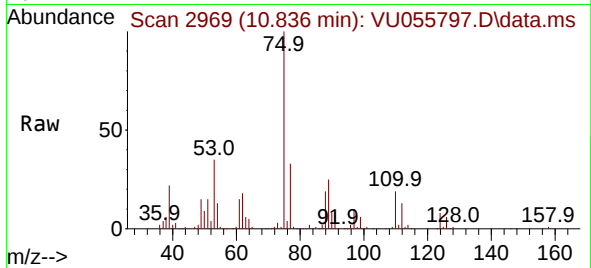
Tgt Ion: 83 Resp: 427316
Ion Ratio Lower Upper
83 100
131 10.0 7.2 10.8
85 64.1 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 20.305 ug/l m
RT: 10.836 min Scan# 2969
Delta R.T. 0.016 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

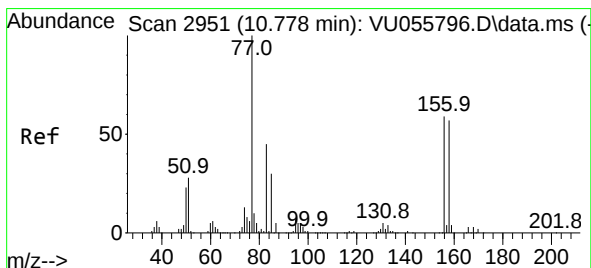
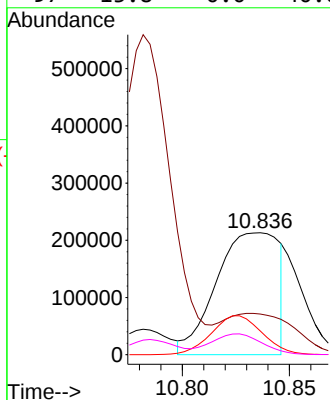
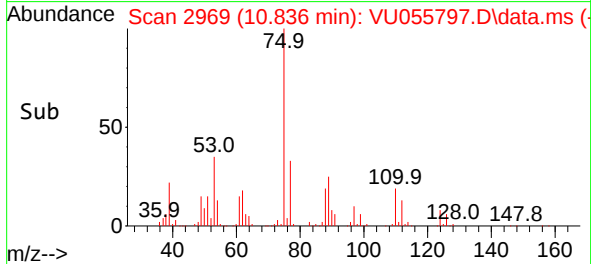
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



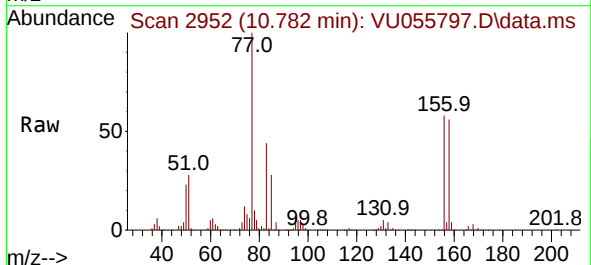
Tgt Ion: 75 Resp: 434839
Ion Ratio Lower Upper
75 100
77 36.1 0.0 116.4
110 26.0 0.0 74.6
97 13.8 0.0 40.0

Manual Integrations
APPROVED

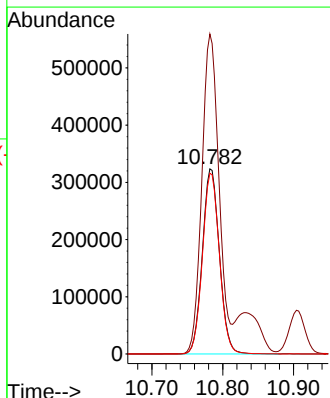
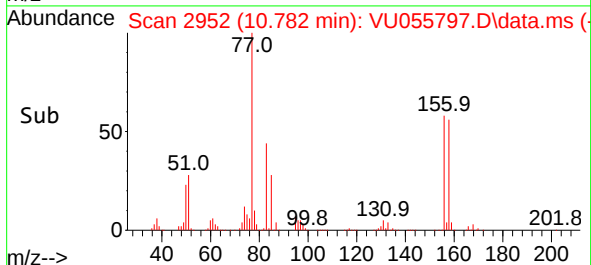
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

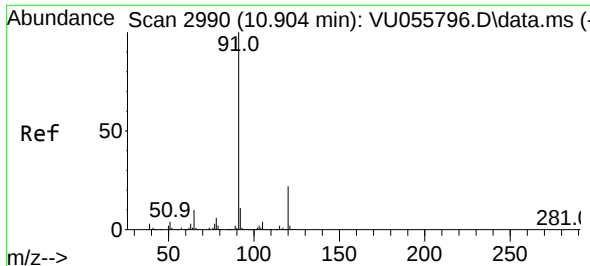


#72
Bromobenzene
Concen: 16.343 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.004 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30



Tgt Ion:156 Resp: 540021
Ion Ratio Lower Upper
156 100
77 173.9 0.0 343.0
158 97.2 0.0 194.8





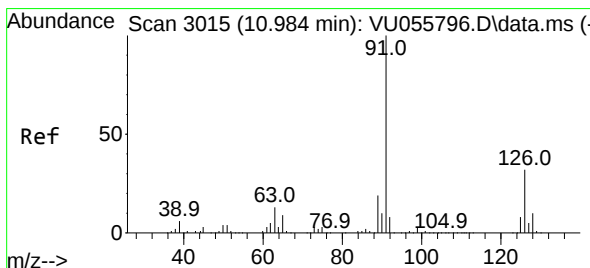
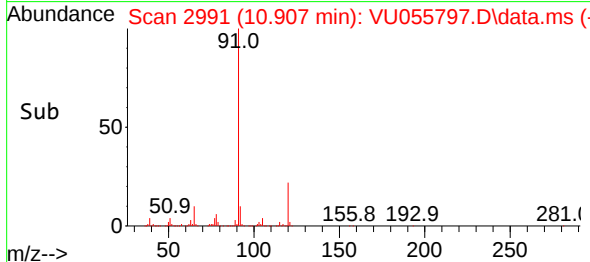
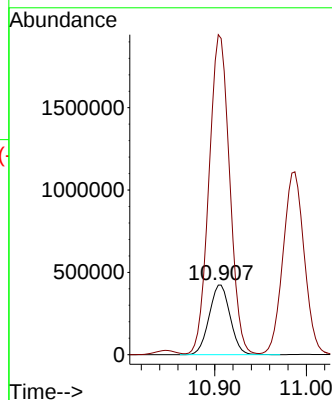
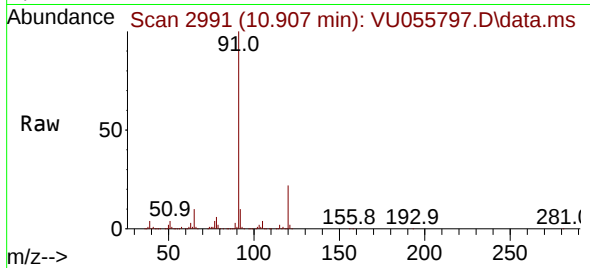
#73
n-propylbenzene
Concen: 18.734 ug/l
RT: 10.907 min Scan# 2990
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:120 Resp: 668300
Ion Ratio Lower Upper
120 100
91 451.9 369.8 554.6

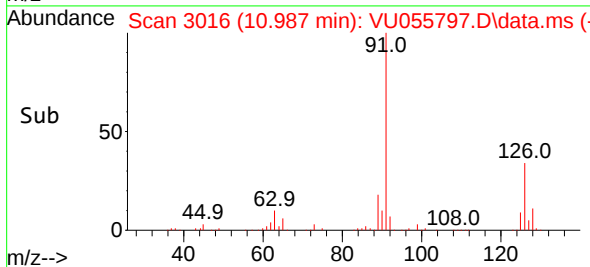
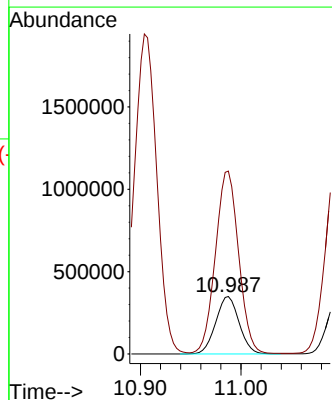
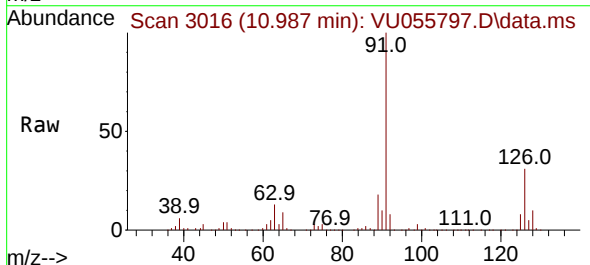
Manual Integrations
APPROVED

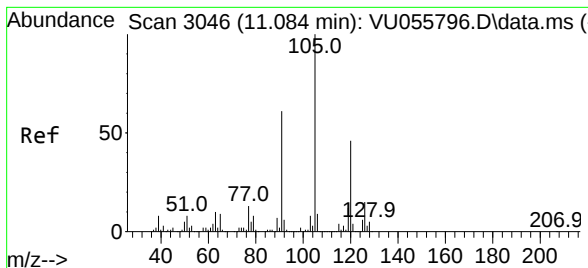
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#74
2-Chlorotoluene
Concen: 16.964 ug/l
RT: 10.987 min Scan# 3016
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

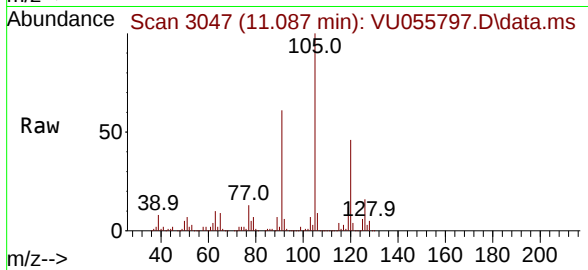
Tgt Ion:126 Resp: 563118
Ion Ratio Lower Upper
126 100
91 314.8 0.0 610.0





#75
1,3,5-Trimethylbenzene
Concen: 18.281 ug/l
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

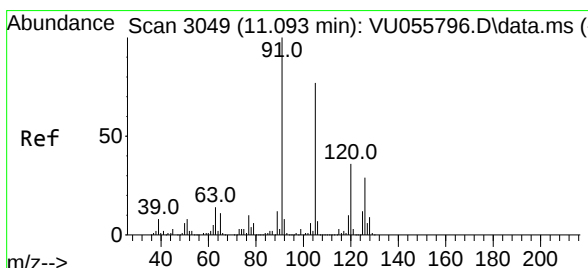
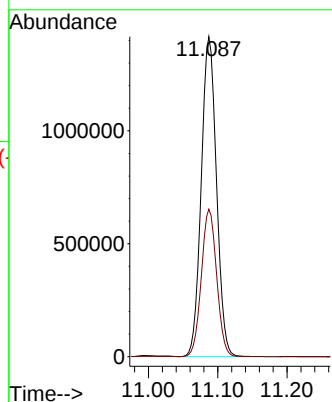
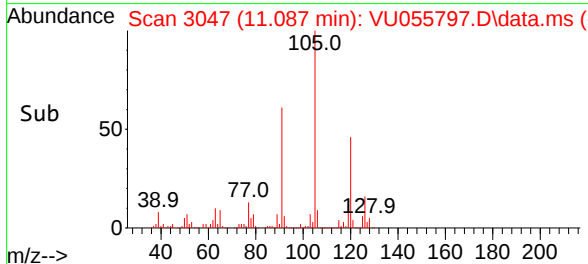
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015



Tgt Ion:105 Resp: 216386
Ion Ratio Lower Upper
105 100
120 46.2 37.8 56.8

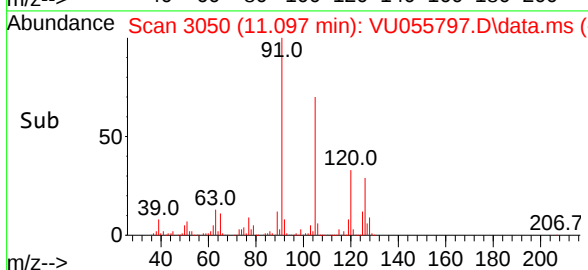
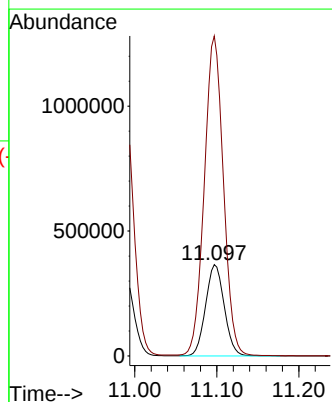
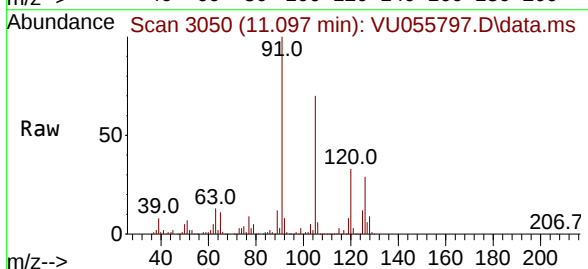
Manual Integrations
APPROVED

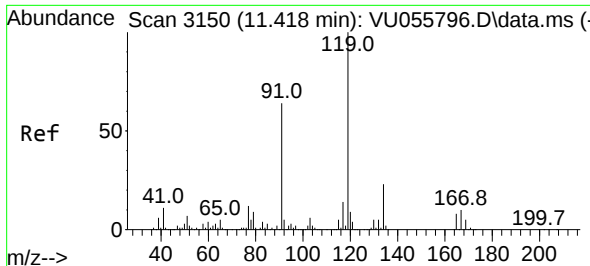
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#76
4-Chlorotoluene
Concen: 17.013 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.004 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

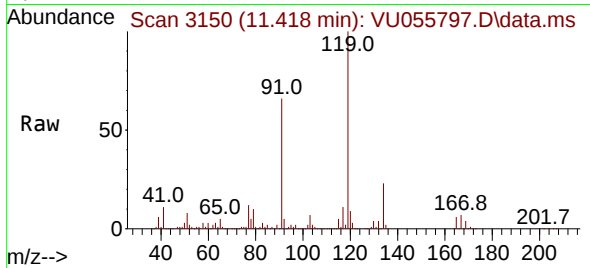
Tgt Ion:126 Resp: 575517
Ion Ratio Lower Upper
126 100
91 359.5 0.0 686.2





#77
tert-Butylbenzene
Concen: 18.519 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

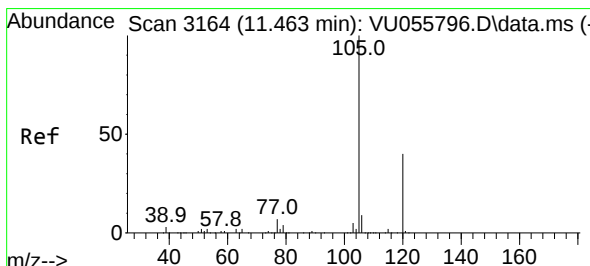
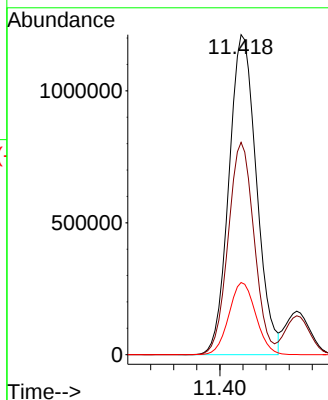
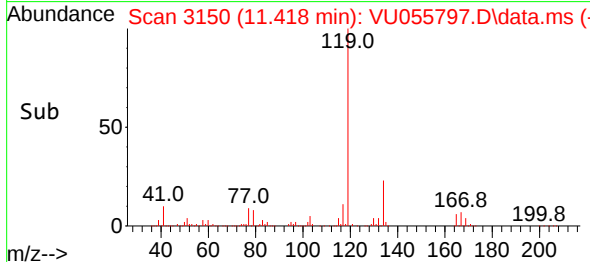
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015



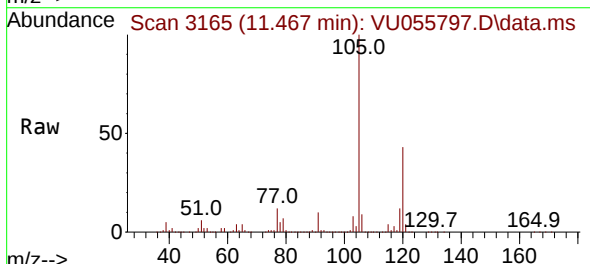
Tgt Ion:119 Resp: 2009439
Ion Ratio Lower Upper
119 100
91 62.4 30.8 92.4
134 22.1 18.0 27.0

Manual Integrations
APPROVED

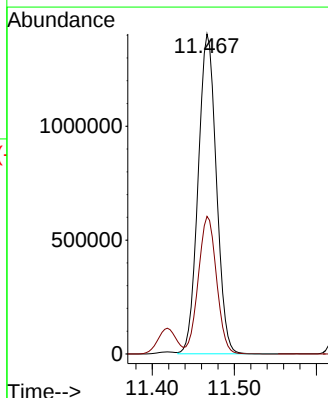
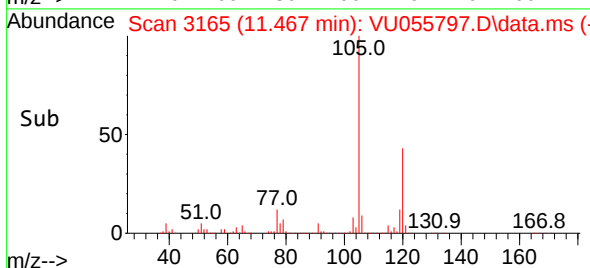
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

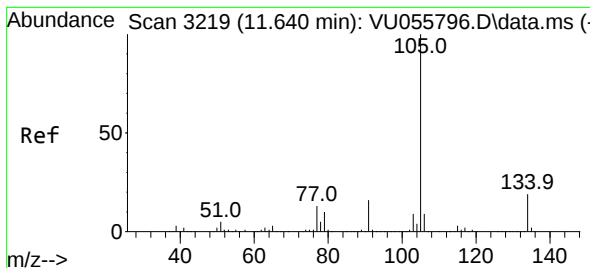


#78
1,2,4-Trimethylbenzene
Concen: 18.475 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.004 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30



Tgt Ion:105 Resp: 2165571
Ion Ratio Lower Upper
105 100
120 43.2 21.9 65.8





#79

sec-Butylbenzene

Concen: 19.240 ug/l

RT: 11.643 min Scan# 3219

Delta R.T. 0.003 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 263516

Ion Ratio Lower Upper

105 100

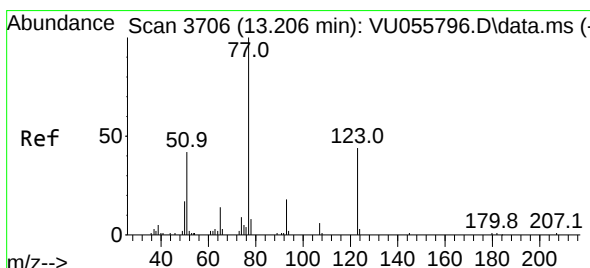
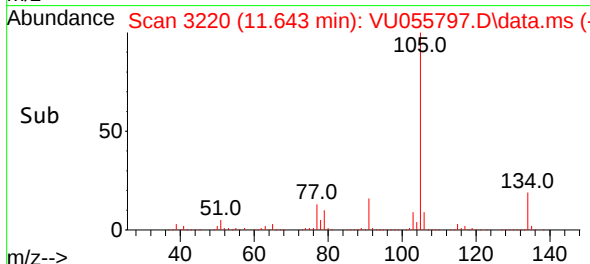
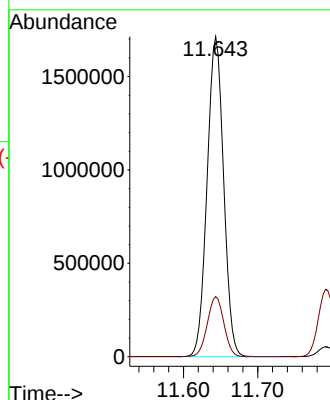
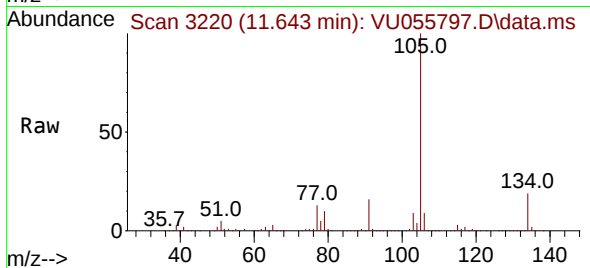
134 18.9 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#80

Nitrobenzene

Concen: 96.570 ug/l

RT: 13.206 min Scan# 3706

Delta R.T. 0.000 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

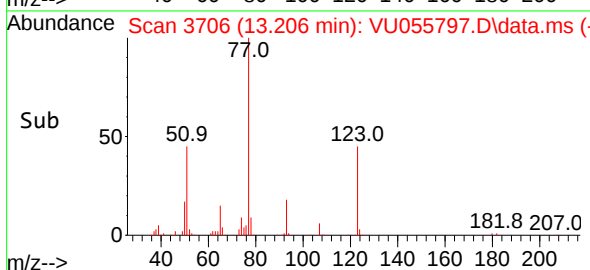
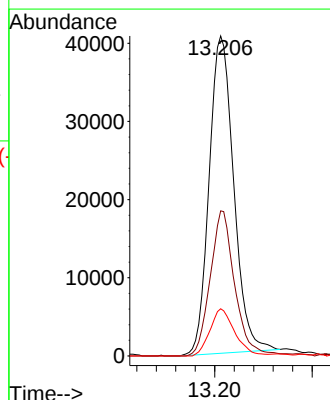
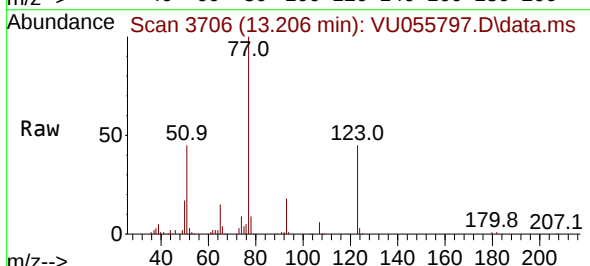
Tgt Ion: 77 Resp: 71177

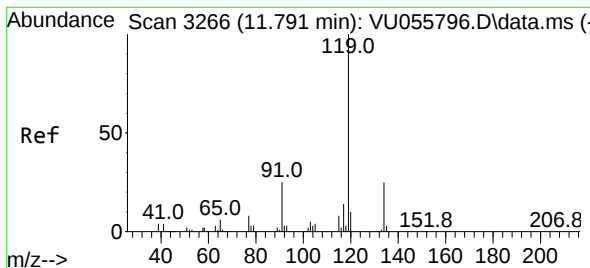
Ion Ratio Lower Upper

77 100

123 44.6 19.7 69.7

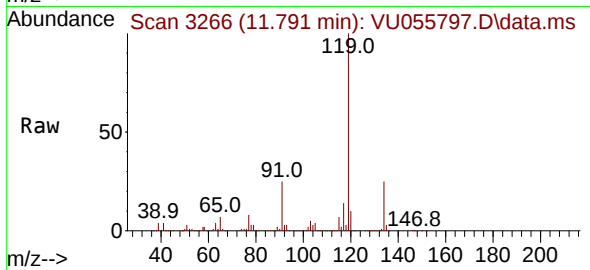
65 14.3 11.5 14.7





#81
p-Isopropyltoluene
Concen: 19.431 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

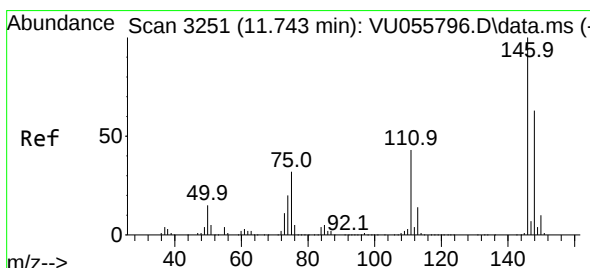
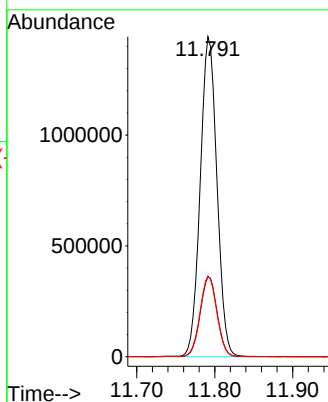
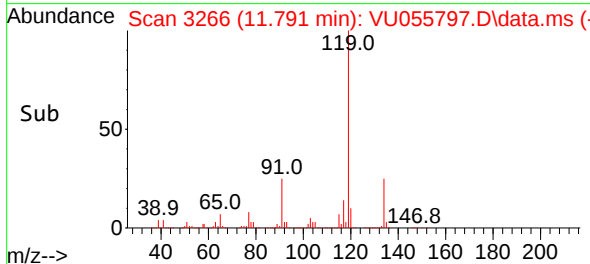
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015



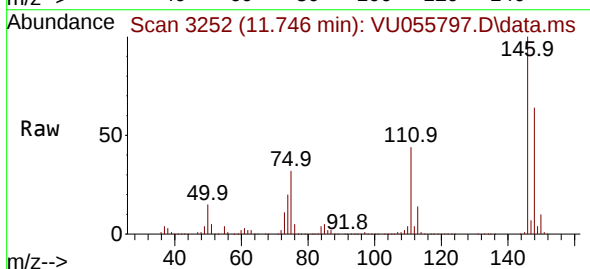
Tgt Ion:119 Resp: 214326
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.4
91 25.4 19.3 28.9

Manual Integrations
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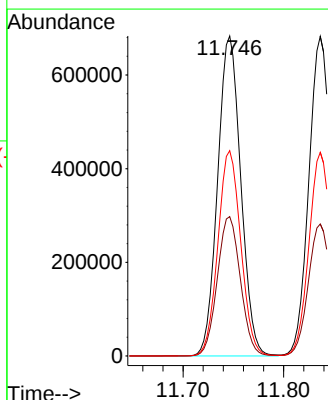
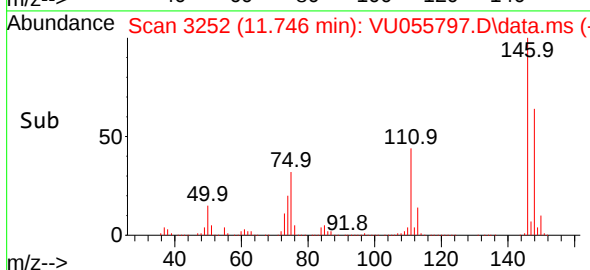
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

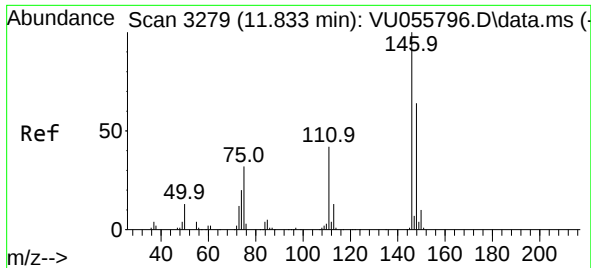


#82
1,3-Dichlorobenzene
Concen: 16.209 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30



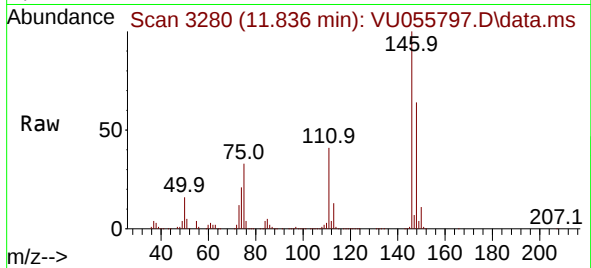
Tgt Ion:146 Resp: 1093232
Ion Ratio Lower Upper
146 100
111 43.4 32.6 49.0
148 63.5 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 16.443 ug/l
RT: 11.836 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

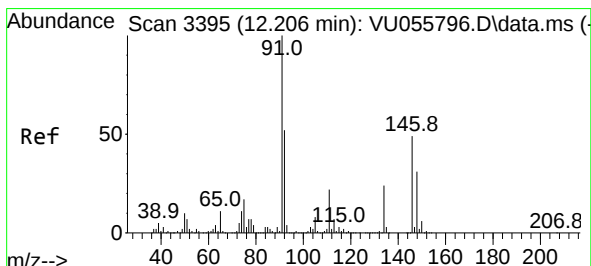
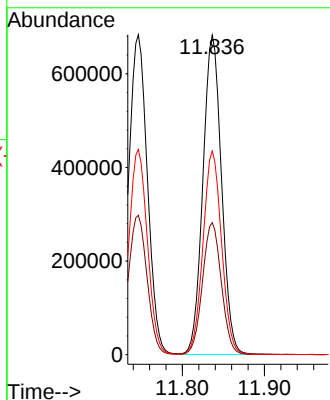
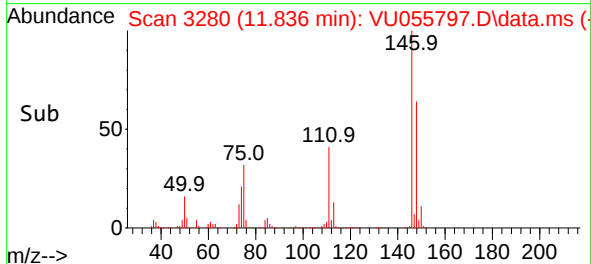
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC015



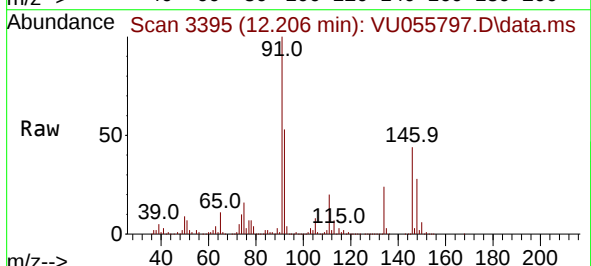
Tgt Ion:146 Resp: 1073240
Ion Ratio Lower Upper
146 100
111 41.8 31.6 47.4
148 63.8 50.3 75.5

Manual Integrations
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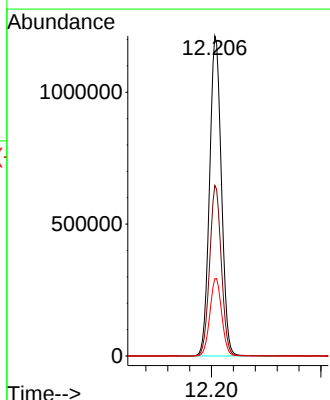
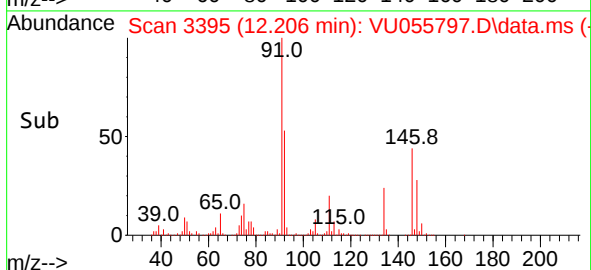
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

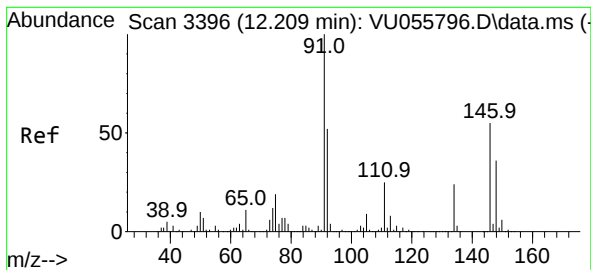


#84
n-Butylbenzene
Concen: 19.312 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30



Tgt Ion: 91 Resp: 1816179
Ion Ratio Lower Upper
91 100
92 52.8 40.8 61.2
134 24.3 18.4 27.6





#85

1,2-Dichlorobenzene

Concen: 16.002 ug/l

RT: 12.213 min Scan# 3396

Delta R.T. 0.004 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

Tgt Ion:146 Resp: 986280

Ion Ratio Lower Upper

146 100

111 44.9 21.6 64.6

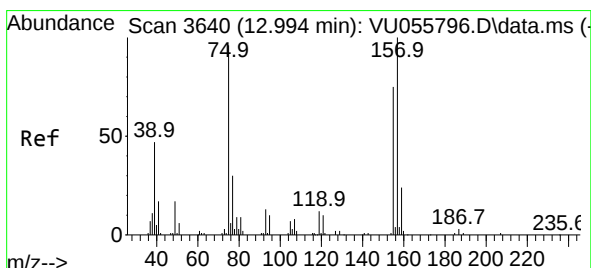
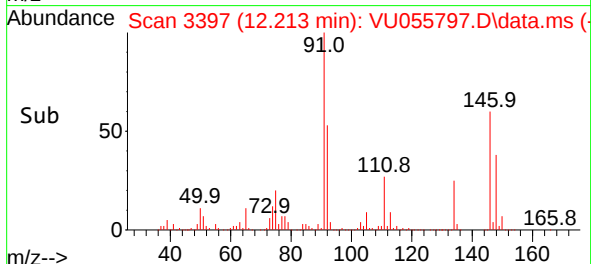
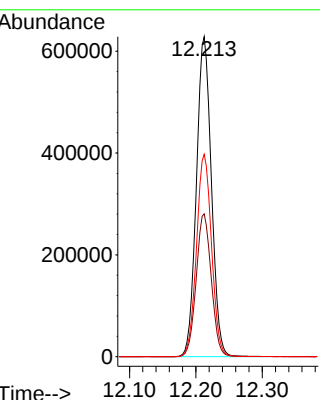
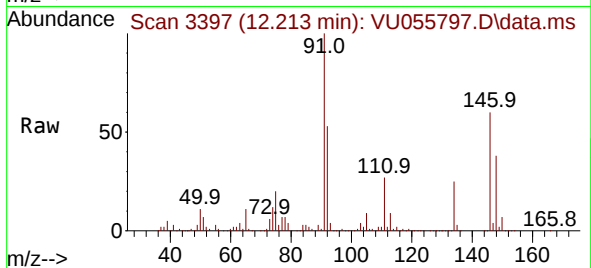
148 63.5 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#86

1,2-Dibromo-3-Chloropropane

Concen: 17.269 ug/l

RT: 12.997 min Scan# 3641

Delta R.T. 0.003 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

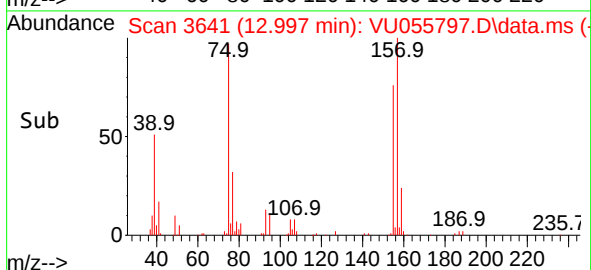
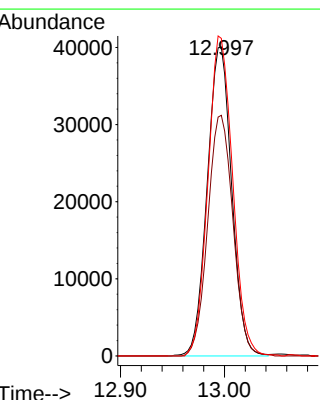
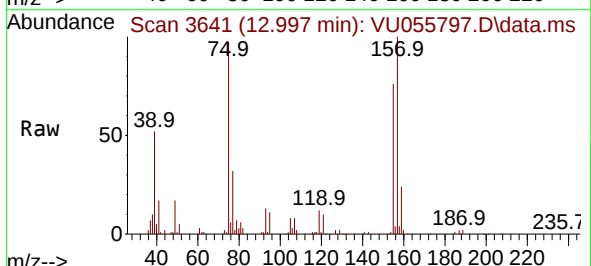
Tgt Ion: 75 Resp: 65696

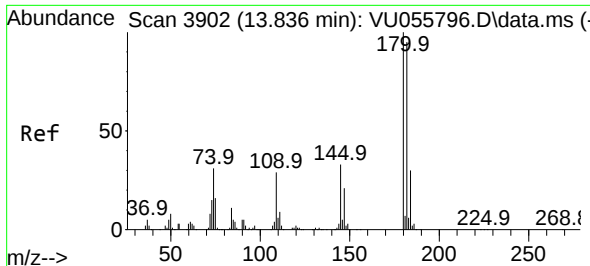
Ion Ratio Lower Upper

75 100

155 80.1 61.8 92.8

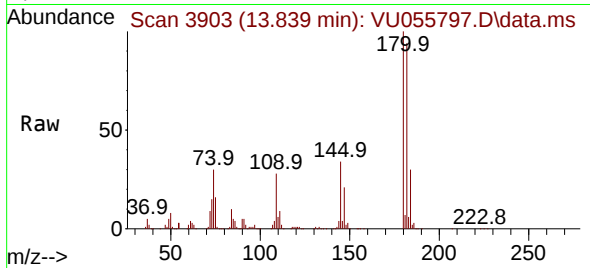
157 104.1 80.2 120.4





#87
1,2,4-Trichlorobenzene
Concen: 18.398 ug/l
RT: 13.839 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

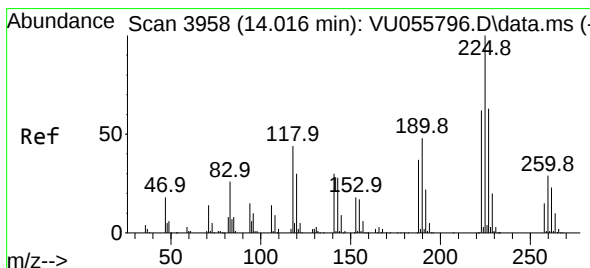
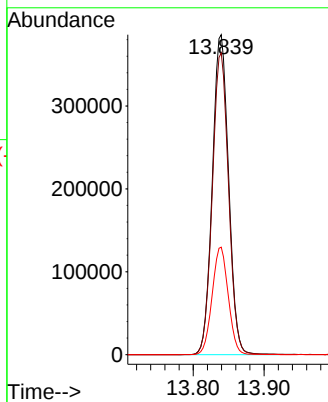
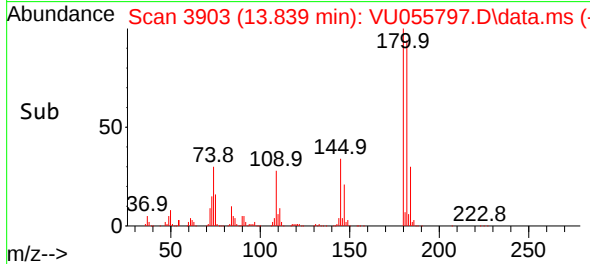
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015



Tgt Ion:180 Resp: 615397
Ion Ratio Lower Upper
180 100
182 94.1 75.8 113.6
145 33.4 23.9 35.9

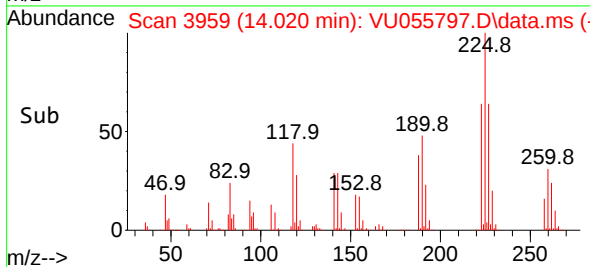
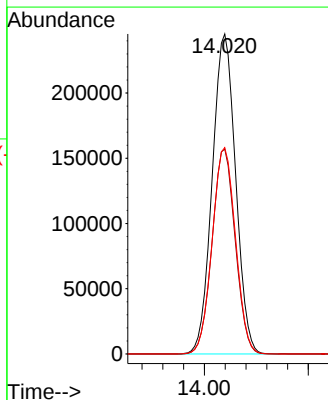
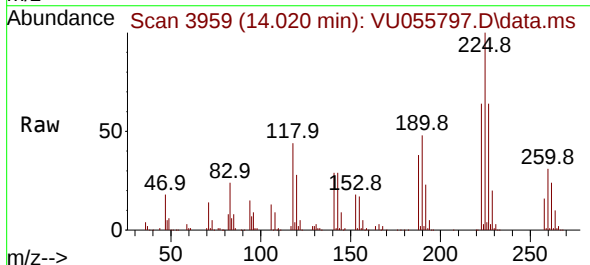
Manual Integrations
APPROVED

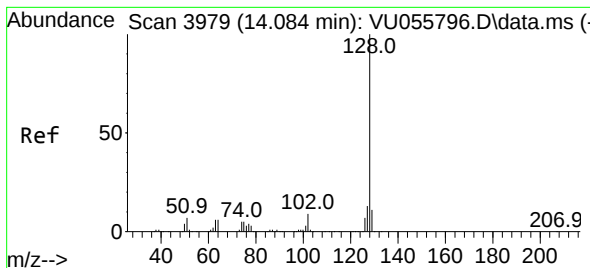
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#88
Hexachlorobutadiene
Concen: 16.501 ug/l
RT: 14.020 min Scan# 3959
Delta R.T. 0.004 min
Lab File: VU055797.D
Acq: 18 Oct 2023 12:30

Tgt Ion:225 Resp: 383769
Ion Ratio Lower Upper
225 100
223 63.1 50.2 75.4
227 64.4 51.5 77.3





#89

Naphthalene

Concen: 19.437 ug/l

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC015

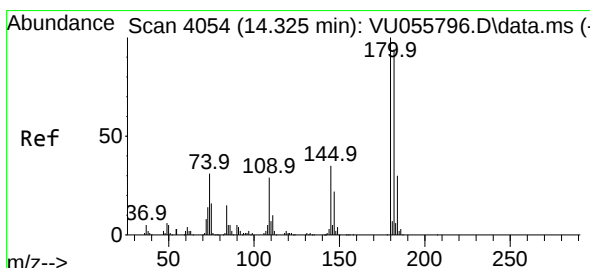
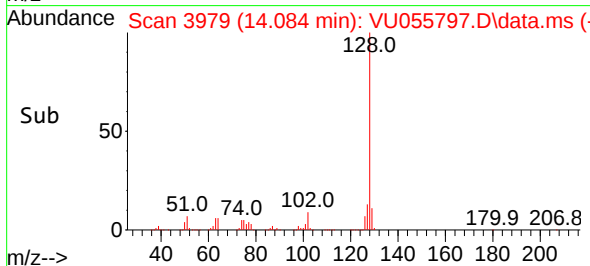
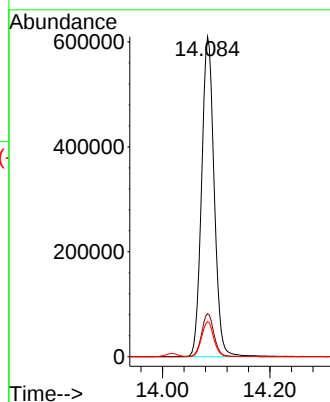
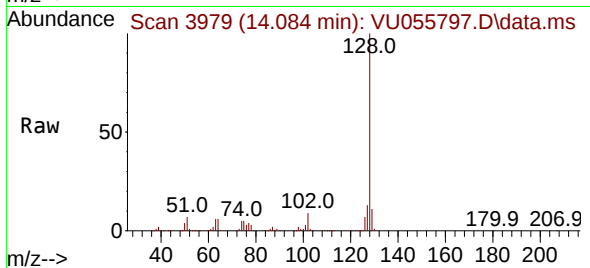
Tgt Ion:	128	Resp:	990362
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.9	16.3
129	10.5	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#90

1,2,3-Trichlorobenzene

Concen: 18.696 ug/l

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU055797.D

Acq: 18 Oct 2023 12:30

Tgt Ion:	180	Resp:	536605
Ion Ratio	Lower	Upper	
180	100		
182	95.3	75.7	113.5
145	35.1	26.1	39.1

