

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047622.D
 Acq On : 18 Mar 2022 18:40
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2022
 Supervised By : Mahesh Dadoda 03/31/2022

Quant Time: Mar 19 05:47:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 18 13:19:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	31112	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	11480	0.990	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	14588	1.038	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	107701	9.582	ug/l	100
3) Chloromethane	1.527	50	105400	9.598	ug/l	100
4) Vinyl Chloride	1.607	62	103237	9.687	ug/l	99
5) Bromomethane	1.861	94	58496	9.359	ug/l	97
6) Chloroethane	1.938	64	61468	9.647	ug/l	100
7) Trichlorofluoromethane	2.144	101	144159	9.784	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	82482	9.797	ug/l	89
9) 1,1-Dichloroethene	2.584	96	80669	9.695	ug/l	91
10) Iodomethane	2.729	142	49968	11.199	ug/l	98
11) Allyl Chloride	2.928	41	100403	9.596	ug/l	100
12) Acrylonitrile	3.324	53	37915	20.649	ug/l	92
13) Acetone	2.645	43	57490	46.036	ug/l	98
14) Carbon Disulfide	2.800	76	254345	9.674	ug/l	100
15) Methylene Chloride	3.051	84	97926	10.273	ug/l	92
16) trans-1,2-Dichloroethene	3.356	96	88396	10.104	ug/l	92
17) 1,1-Dichloroethane	3.874	63	146848	9.890	ug/l	99
18) 2-Butanone	4.723	43	100423	51.632	ug/l	98
19) Cyclohexane	5.391	56	116015m	10.415	ug/l	
20) Methylcyclohexane	6.764	83	134660	10.537	ug/l	94
21) 2,2-Dichloropropane	4.671	77	126674	9.705	ug/l	95
22) cis-1,2-Dichloroethene	4.671	96	95161	10.015	ug/l	88
23) Diethyl Ether	2.382	59	58716	9.659	ug/l	96
24) tert-Butyl Alcohol	3.240	59	38967	92.938	ug/l #	88
25) Methyl tert-Butyl Ether	3.372	73	206769	10.208	ug/l	95
26) Bromochloromethane	4.980	128	46703	9.717	ug/l	81
27) Chloroform	5.092	83	161356	10.055	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	139699	10.023	ug/l	96
29) 1,1-Dichloropropene	5.530	75	116056	10.274	ug/l	95
30) Carbon Tetrachloride	5.530	117	126101	10.154	ug/l	100
31) Isopropyl Ether	4.002	45	203613	10.329	ug/l	96
32) Ethyl-t-butyl ether	4.510	59	208659	10.486	ug/l	94
33) Tert-Amyl methyl ether	5.948	73	196770	10.520	ug/l	96
34) Propionitrile	4.800	54	27916	49.322	ug/l #	89
35) Benzene	5.777	78	343883	10.175	ug/l	100
36) 1,2-Dichloroethane	5.800	62	102416	10.017	ug/l	99
37) Trichloroethene	6.546	130	97447	9.980	ug/l	92
38) 1,2-Dichloropropane	6.793	63	87566	10.061	ug/l	99
39) Methacrylonitrile	4.983	41	24993	10.257	ug/l #	91
40) Methyl acrylate	4.854	55	46360	11.258	ug/l #	95
41) Tetrahydrofuran	5.070	42	24394	19.730	ug/l	94
42) 1-Chlorobutane	5.462	56	149790	10.289	ug/l	97
43) Dibromomethane	6.922	93	51243	9.825	ug/l #	85
44) Bromodichloromethane	7.108	83	120703	9.976	ug/l #	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	266347	51.080	ug/l	97
46) t-1,4-Dichloro-2-butene	10.838	75	51969m	22.945	ug/l	
47) Methyl methacrylate	6.964	69	90511	21.453	ug/l	88
48) Ethyl methacrylate	8.337	69	88362	11.114	ug/l	88
49) Toluene	7.970	92	220631	10.623	ug/l	97
50) t-1,3-Dichloropropene	8.214	75	115830	10.332	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	124601	10.096	ug/l	94
52) 1,1,2-Trichloroethane	8.404	97	74587	10.276	ug/l	98
53) 1,3-Dichloropropane	8.578	76	121127	10.251	ug/l	99
54) 2-Hexanone	8.690	43	205025	53.854	ug/l	98
55) Dibromochloromethane	8.812	129	92549	10.096	ug/l	100
56) 1,2-Dibromoethane	8.925	107	72913	10.091	ug/l	97
58) Tetrachloroethene	8.555	164	88557	9.837	ug/l	95
59) Chlorobenzene	9.449	112	248941	10.283	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	94041	10.007	ug/l	98
61) Pentachloroethane	11.430	117	79585	10.007	ug/l #	82
62) Hexachloroethane	12.478	117	80384	10.181	ug/l #	68
63) Ethyl Benzene	9.571	91	410835	10.833	ug/l	98
64) m/p-Xylenes	9.693	106	330643	21.977	ug/l	95
65) o-Xylene	10.102	106	156633	11.002	ug/l	95
66) Styrene	10.115	104	278721	11.351	ug/l	95
67) Bromoform	10.291	173	63616	10.427	ug/l #	98
69) Isopropylbenzene	10.488	105	414816	11.004	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.783	83	97998	10.138	ug/l	98
71) 1,2,3-Trichloropropane	10.832	75	76730m	10.055	ug/l	
72) Bromobenzene	10.783	156	117715	10.416	ug/l	77
73) n-propylbenzene	10.909	120	122632	11.210	ug/l	82
74) 2-Chlorotoluene	10.986	126	109970	10.946	ug/l	77
75) 1,3,5-Trimethylbenzene	11.089	105	363016	9.698	ug/l	96
76) 4-Chlorotoluene	11.098	126	117892	11.028	ug/l	73
77) tert-Butylbenzene	11.423	119	360014	10.965	ug/l	92
78) 1,2,4-Trimethylbenzene	11.468	105	370922	9.689	ug/l	95
79) sec-Butylbenzene	11.645	105	475111	11.102	ug/l	96
80) Nitrobenzene	13.211	77	20201	51.175	ug/l	91
81) p-Isopropyltoluene	11.796	119	407346	9.496	ug/l	96
82) 1,3-Dichlorobenzene	11.748	146	229752	10.291	ug/l	96
83) 1,4-Dichlorobenzene	11.838	146	236200	10.521	ug/l	96
84) n-Butylbenzene	12.211	91	374982	9.319	ug/l	96
85) 1,2-Dichlorobenzene	12.214	146	225729	10.524	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	16899	10.366	ug/l #	68
87) 1,2,4-Trichlorobenzene	13.841	180	166358	10.861	ug/l	98
88) Hexachlorobutadiene	14.021	225	93945	10.217	ug/l	98
89) Naphthalene	14.089	128	285099	10.958	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	158997	11.012	ug/l	97

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

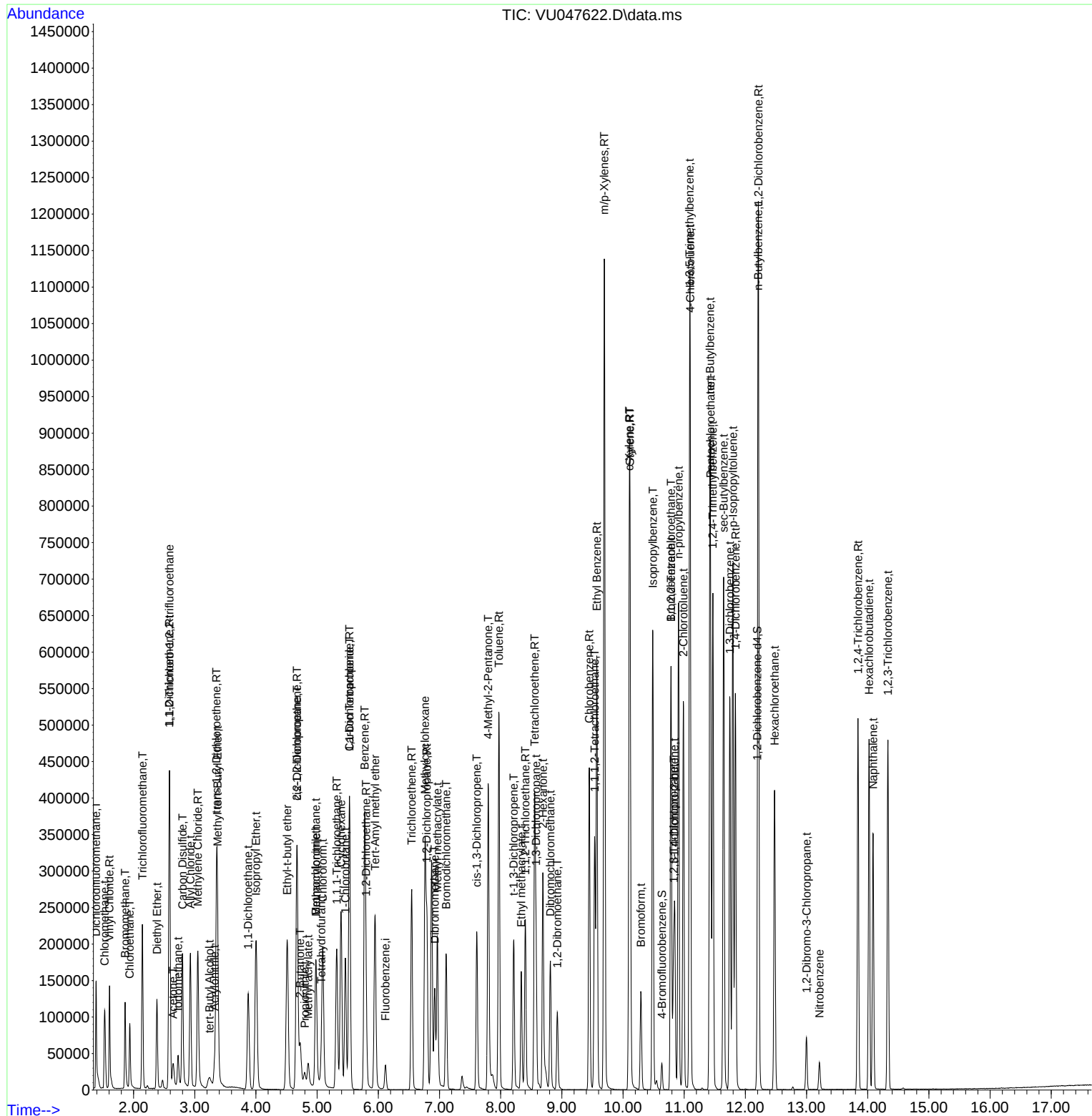
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
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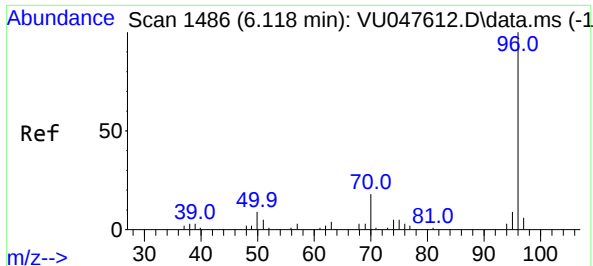
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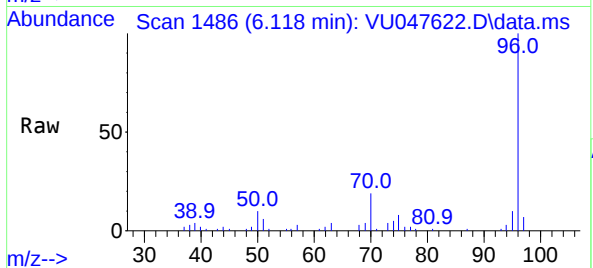
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#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.118 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

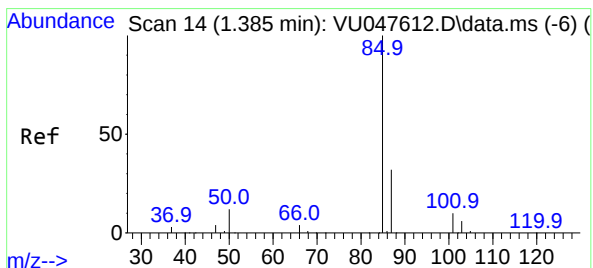
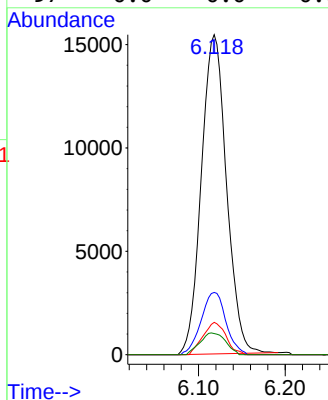
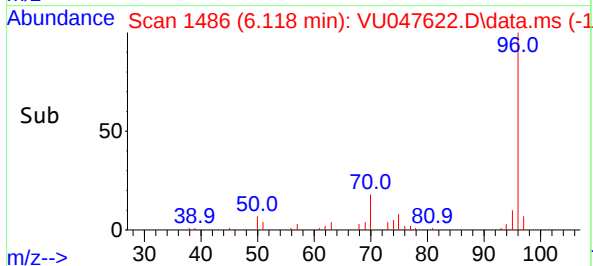
Instrument :
MSVOA_U
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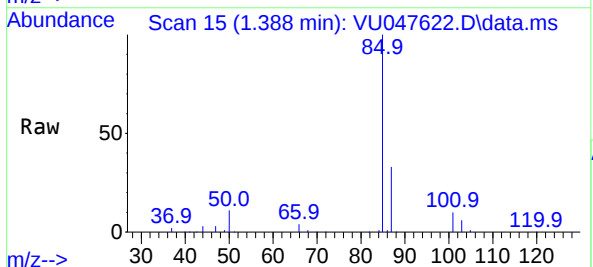
Tgt Ion: 96 Resp: 3111
Ion Ratio Lower Upper
96 100
70 19.3 16.8 25.2
95 9.3 7.3 10.9
97 0.0 0.0 0.0

Manual Integrations
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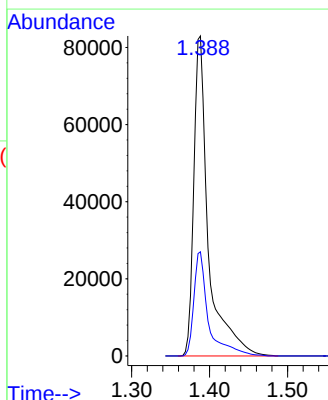
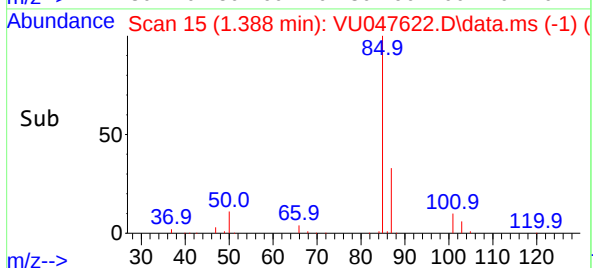
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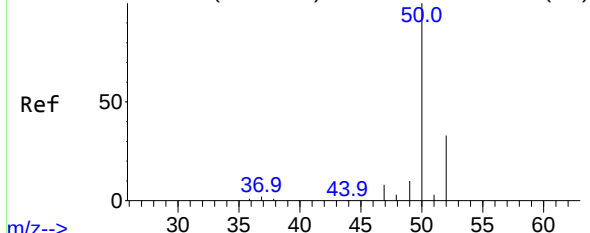
#2
Dichlorodifluoromethane
Concen: 9.582 ug/l
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40



Tgt Ion: 85 Resp: 107701
Ion Ratio Lower Upper
85 100
87 32.6 16.2 48.6



Abundance Scan 58 (1.527 min): VU047612.D\data.ms (-48)



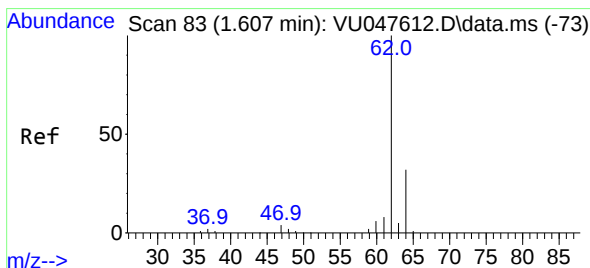
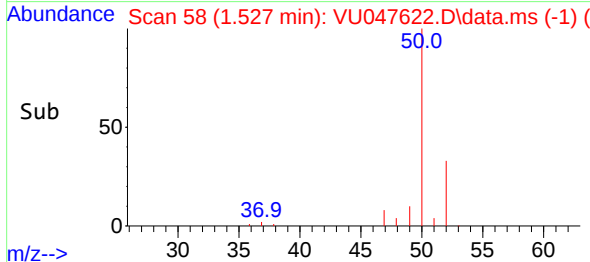
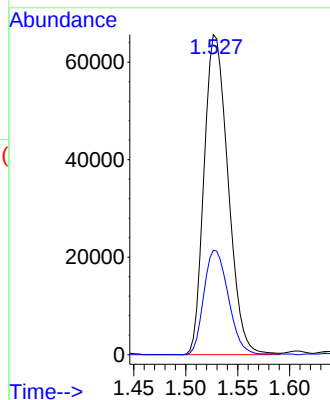
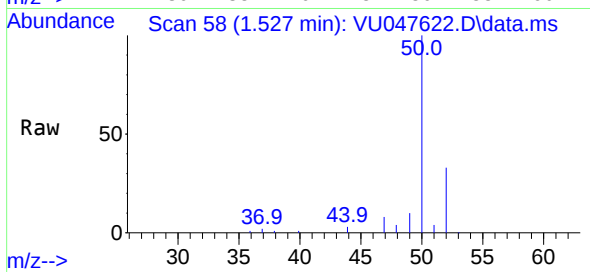
#3
Chloromethane
Concen: 9.598 ug/l
RT: 1.527 min Scan# 58
Delta R.T. -0.000 min
Lab File: VU047622.D
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Tgt Ion: 50 Resp: 105400
Ion Ratio Lower Upper
50 100
52 32.7 26.2 39.4

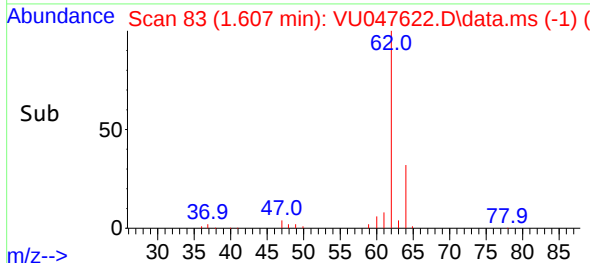
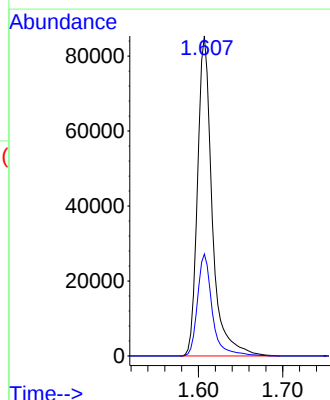
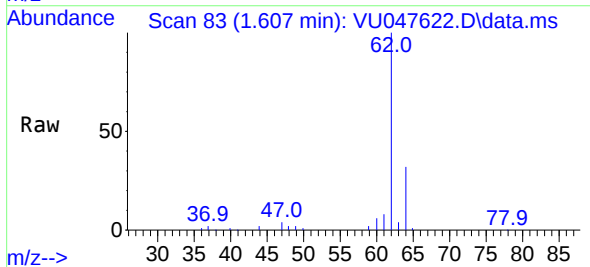
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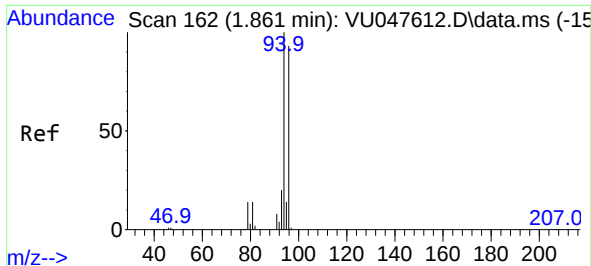
Reviewed By :John Carlone 03/31/2022
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#4
Vinyl Chloride
Concen: 9.687 ug/l
RT: 1.607 min Scan# 83
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

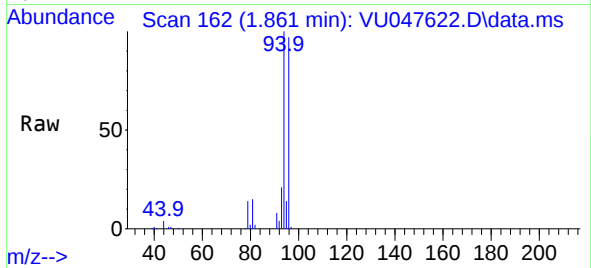
Tgt Ion: 62 Resp: 103237
Ion Ratio Lower Upper
62 100
64 31.8 26.0 39.0





#5
Bromomethane
Concen: 9.359 ug/l
RT: 1.861 min Scan# 162
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

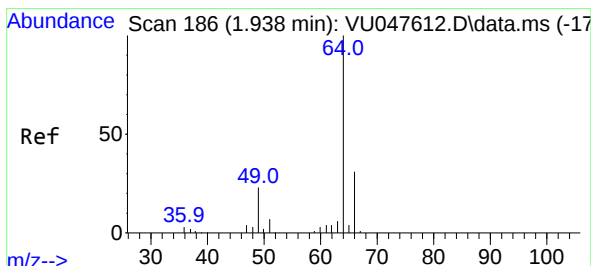
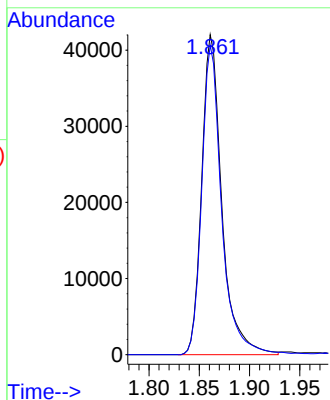
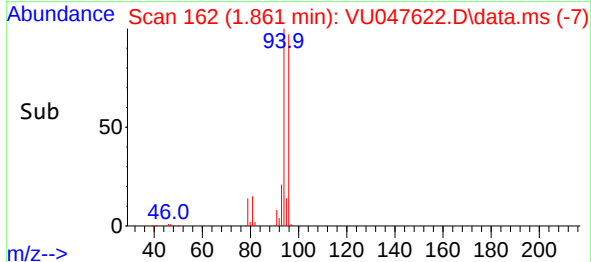
Instrument :
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Tgt Ion: 94 Resp: 58490
Ion Ratio Lower Upper
94 100
96 96.7 75.0 112.4

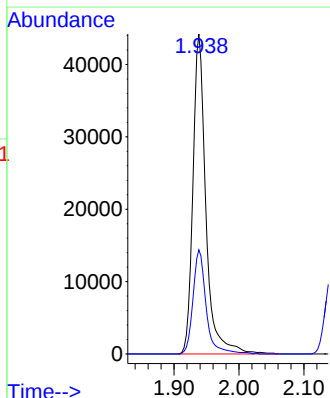
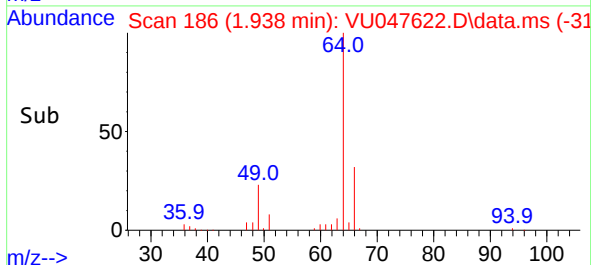
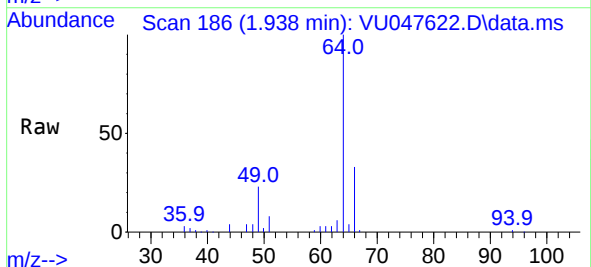
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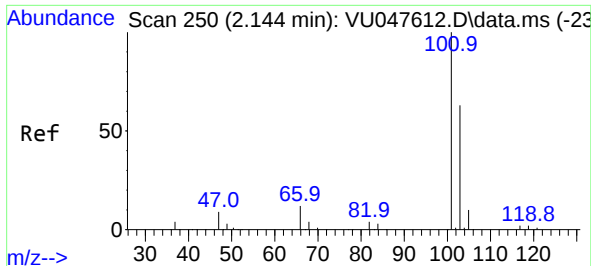
Reviewed By :John Carlone 03/31/2022
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#6
Chloroethane
Concen: 9.647 ug/l
RT: 1.938 min Scan# 186
Delta R.T. -0.000 min
Lab File: VU047622.D
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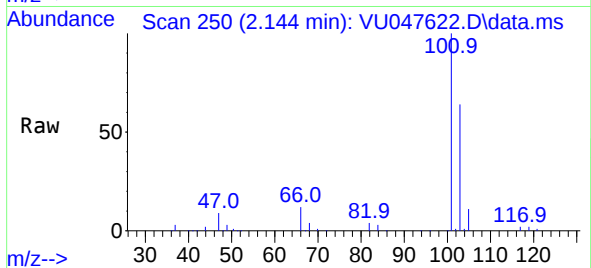
Tgt Ion: 64 Resp: 61468
Ion Ratio Lower Upper
64 100
66 32.6 25.8 38.8





#7
Trichlorofluoromethane
Concen: 9.784 ug/l
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

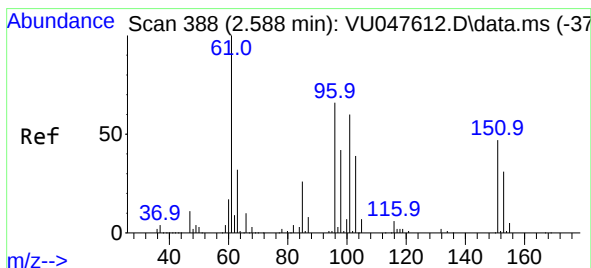
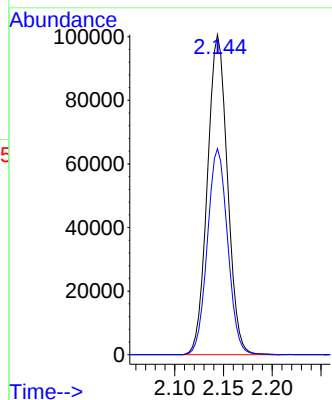
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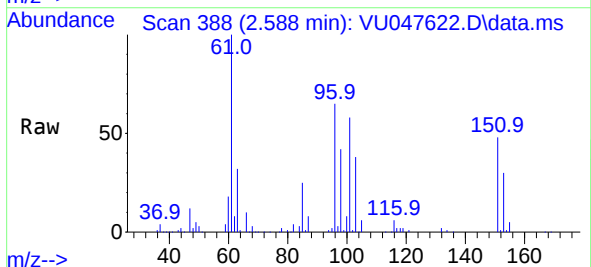
Tgt Ion:101 Resp: 144159
Ion Ratio Lower Upper
101 100
103 64.4 52.2 78.2

Manual Integrations
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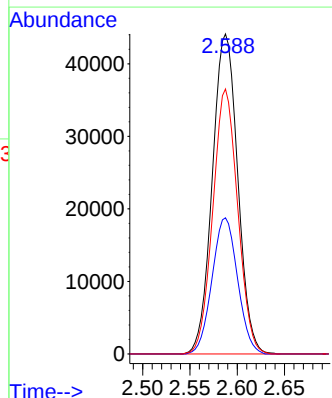
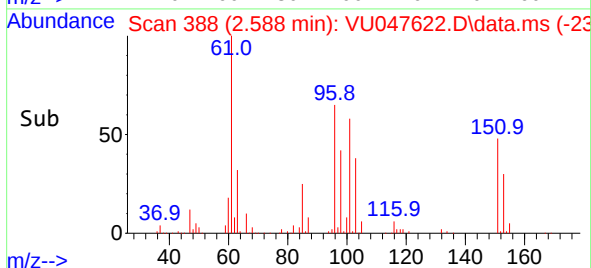
Reviewed By :John Carlone 03/31/2022
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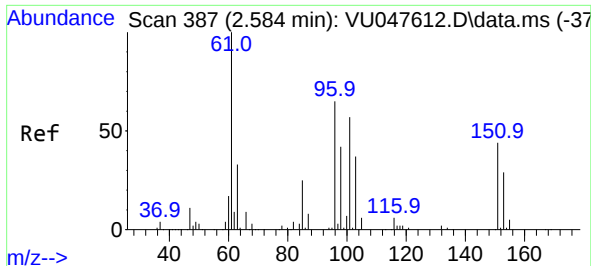


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.797 ug/l
RT: 2.588 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU047622.D
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Tgt Ion:101 Resp: 82482
Ion Ratio Lower Upper
101 100
85 42.7 35.8 53.6
151 81.0 54.6 81.8





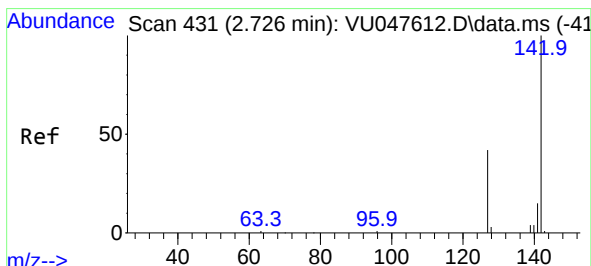
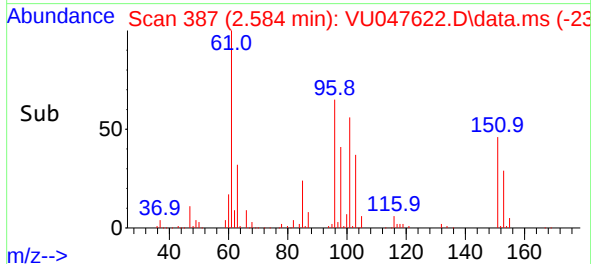
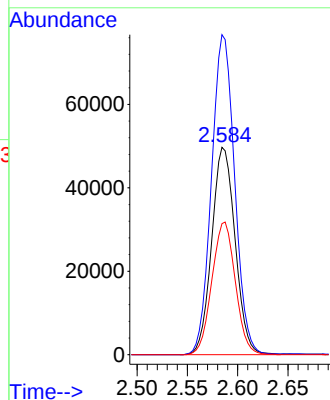
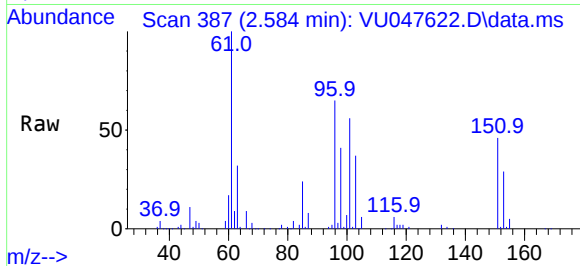
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1,1-Dichloroethene
Concen: 9.695 ug/l
RT: 2.584 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU047622.D
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ClientSampleId :
VSTDCCC010EC

Tgt Ion: 96 Resp: 8066
Ion Ratio Lower Upper
96 100
61 154.3 0.0 514.2
98 63.1 0.0 126.4

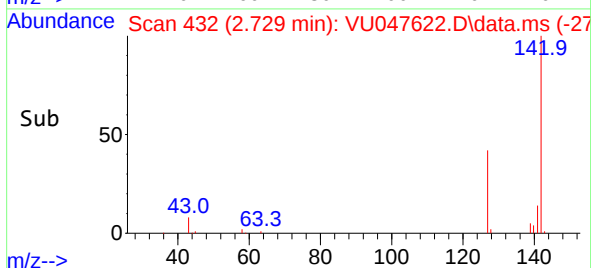
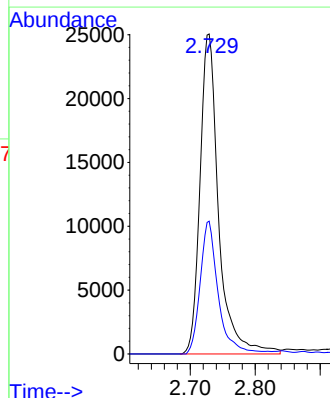
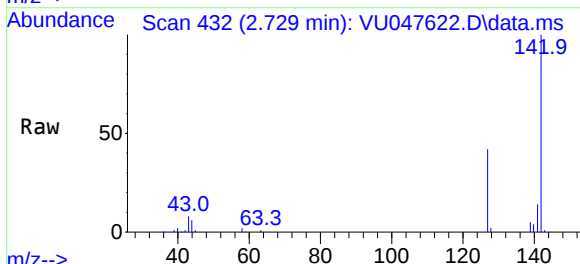
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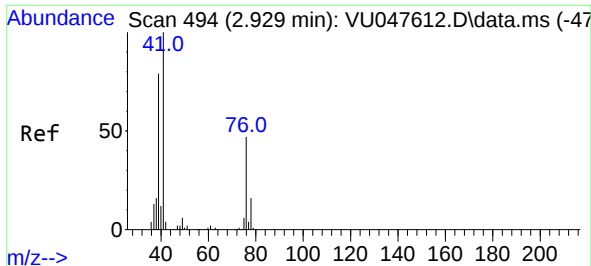
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#10
Iodomethane
Concen: 11.199 ug/l
RT: 2.729 min Scan# 432
Delta R.T. 0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Tgt Ion:142 Resp: 49968
Ion Ratio Lower Upper
142 100
127 40.1 33.2 49.8





#11

Allyl Chloride

Concen: 9.596 ug/l

RT: 2.928 min Scan# 494

Delta R.T. -0.000 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 10040

Ion Ratio Lower Upper

41 100

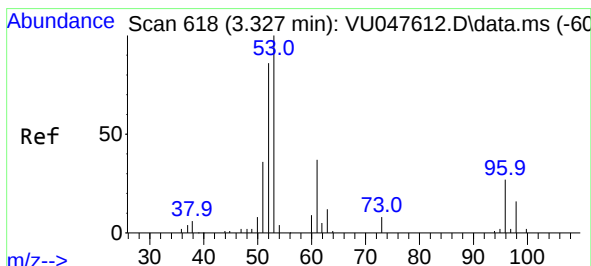
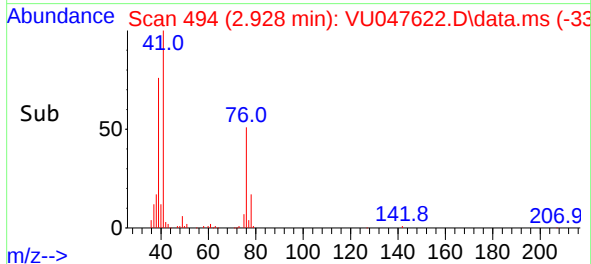
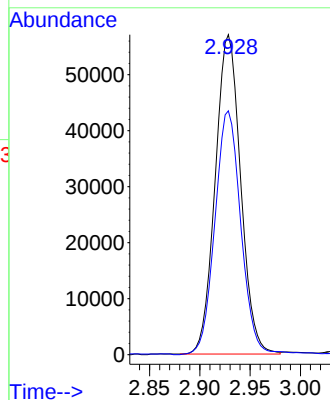
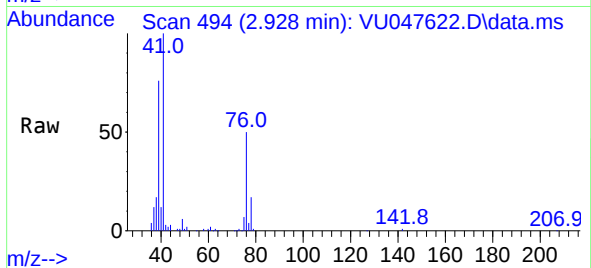
39 78.4 62.4 93.6

Manual Integrations

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Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#12

Acrylonitrile

Concen: 20.649 ug/l

RT: 3.324 min Scan# 617

Delta R.T. -0.003 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

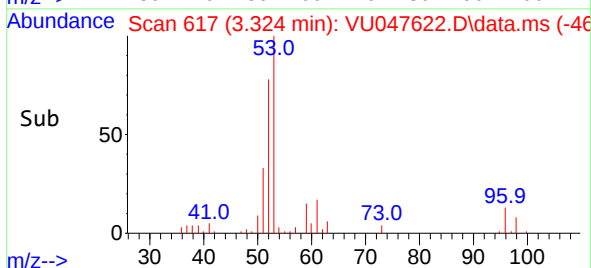
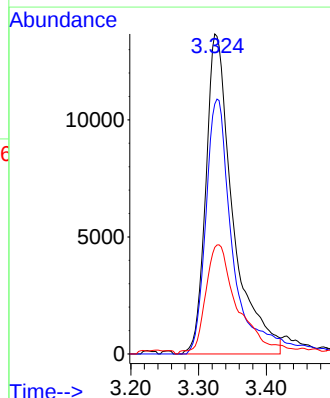
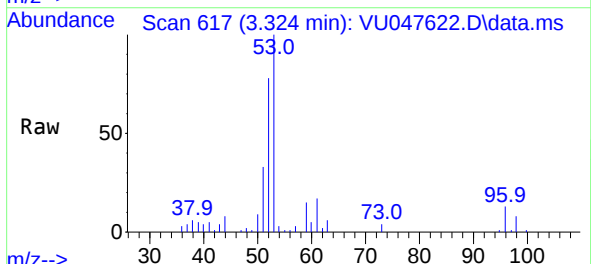
Tgt Ion: 53 Resp: 37915

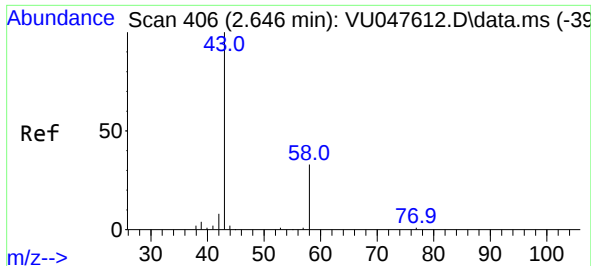
Ion Ratio Lower Upper

53 100

52 79.1 56.7 85.1

51 40.9 30.3 45.5





#13

Acetone

Concen: 46.036 ug/l

RT: 2.645 min Scan# 406

Delta R.T. -0.000 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 57490

Ion Ratio Lower Upper

43 100

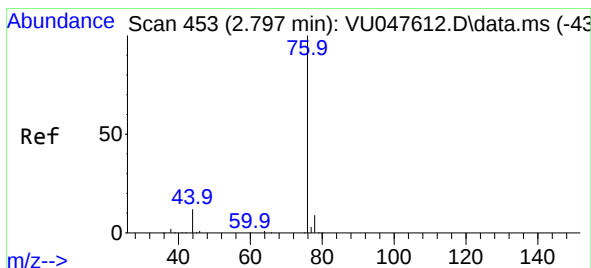
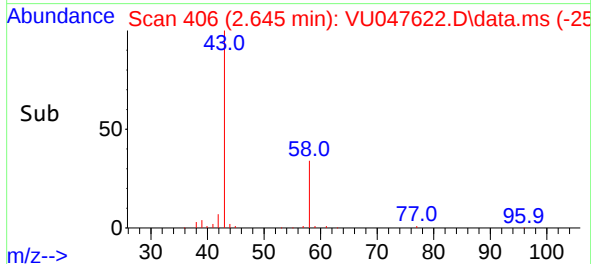
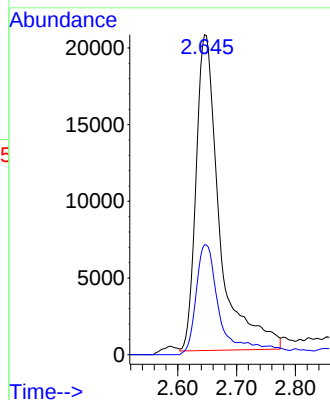
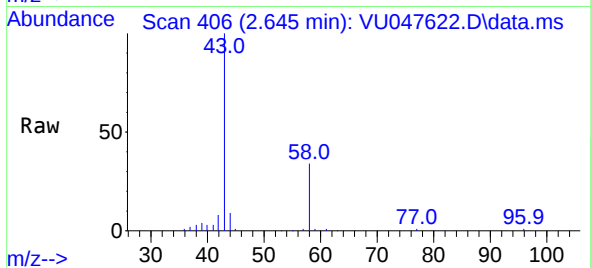
58 35.0 27.1 40.7

Manual Integrations

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Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#14

Carbon Disulfide

Concen: 9.674 ug/l

RT: 2.800 min Scan# 454

Delta R.T. 0.003 min

Lab File: VU047622.D

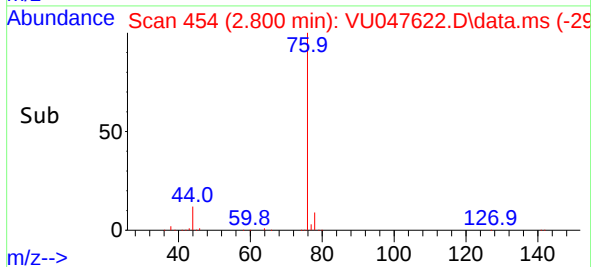
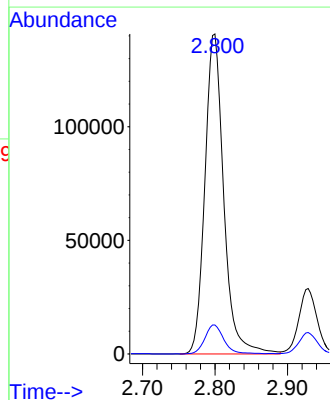
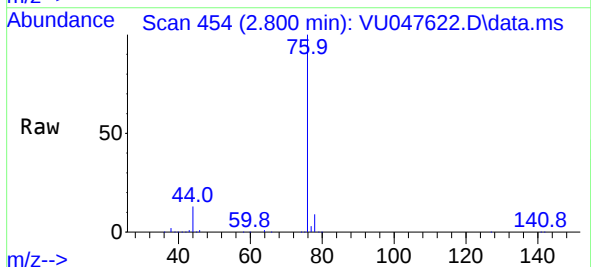
Acq: 18 Mar 2022 18:40

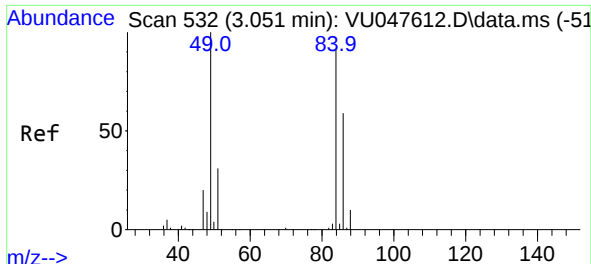
Tgt Ion: 76 Resp: 254345

Ion Ratio Lower Upper

76 100

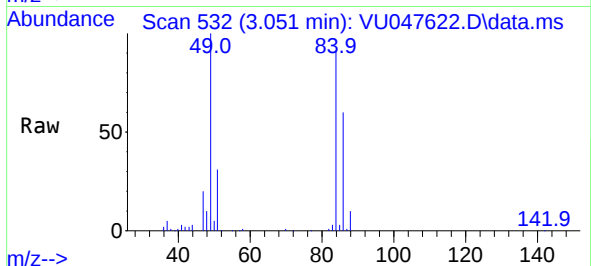
78 9.0 7.1 10.7





#15
Methylene Chloride
Concen: 10.273 ug/l
RT: 3.051 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

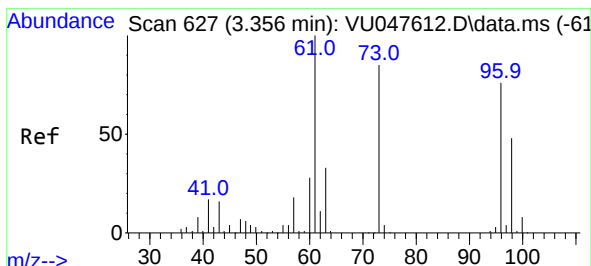
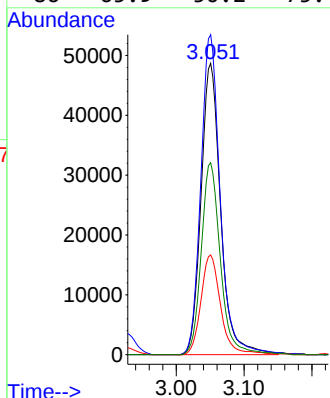
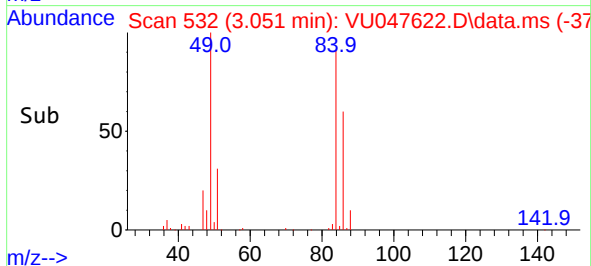
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



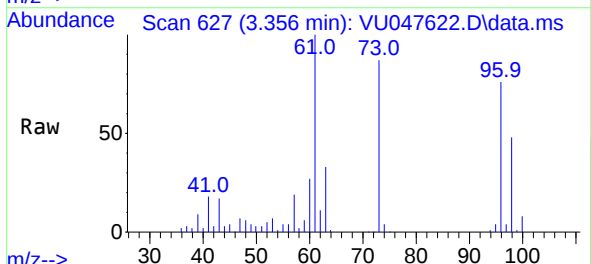
Tgt Ion: 84 Resp: 97920
Ion Ratio Lower Upper
84 100
49 109.8 97.2 145.8
51 34.2 0.0 73.4
86 65.9 50.2 75.4

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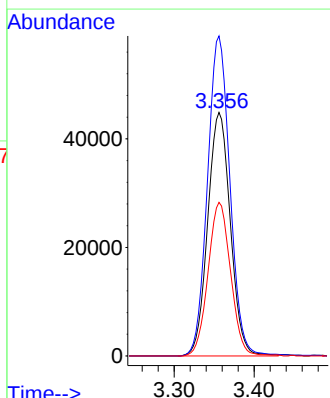
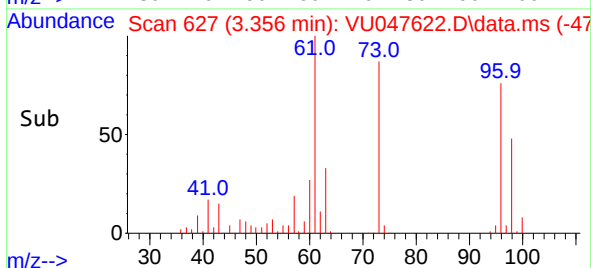
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

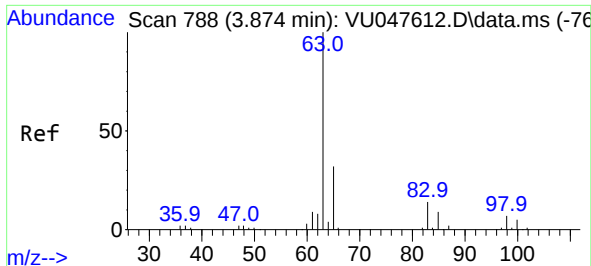


#16
trans-1,2-Dichloroethene
Concen: 10.104 ug/l
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40



Tgt Ion: 96 Resp: 88396
Ion Ratio Lower Upper
96 100
61 131.4 115.8 173.6
98 63.1 51.1 76.7





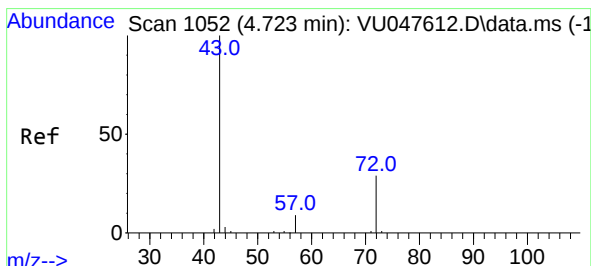
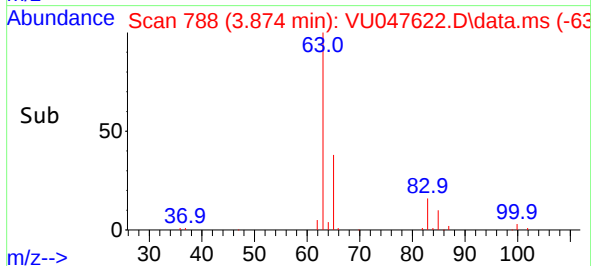
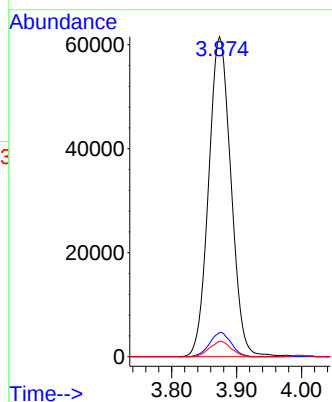
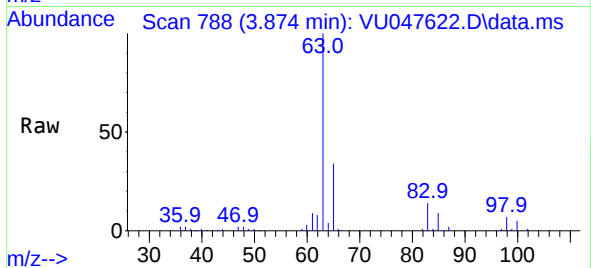
#17
1,1-Dichloroethane
Concen: 9.890 ug/l
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 63 Resp: 146848
Ion Ratio Lower Upper
63 100
98 7.5 3.6 10.8
100 4.8 2.1 6.5

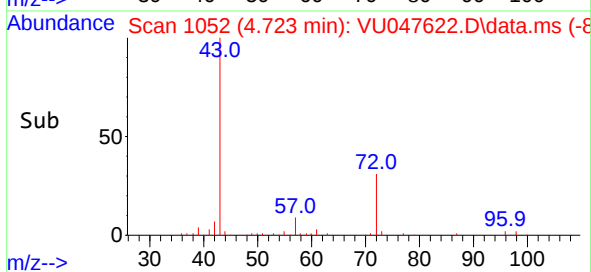
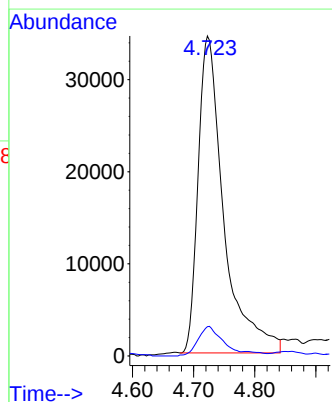
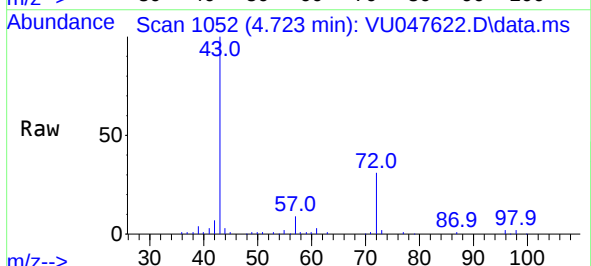
Manual Integrations
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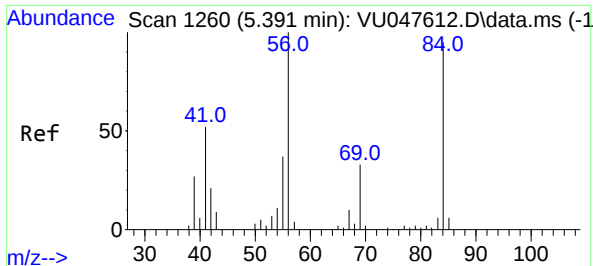
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#18
2-Butanone
Concen: 51.632 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

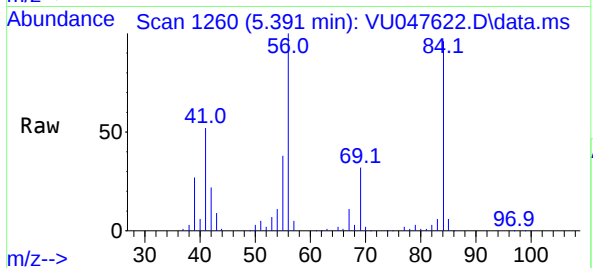
Tgt Ion: 43 Resp: 100423
Ion Ratio Lower Upper
43 100
57 8.9 0.0 16.6





Cyclohexane
 Concen: 10.415 ug/l m
 RT: 5.391 min Scan# 11601
 Delta R.T. -0.000 min
 Lab File: VU047622.D
 Acq: 18 Mar 2022 18:40

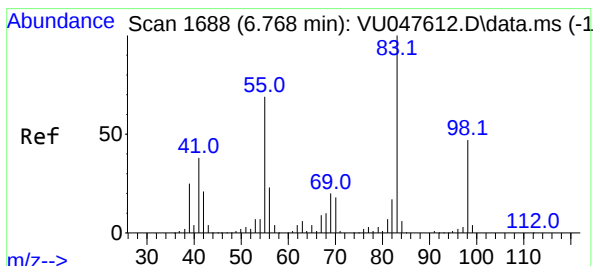
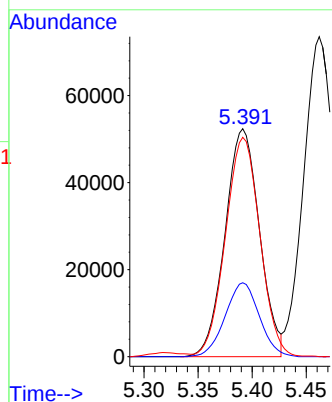
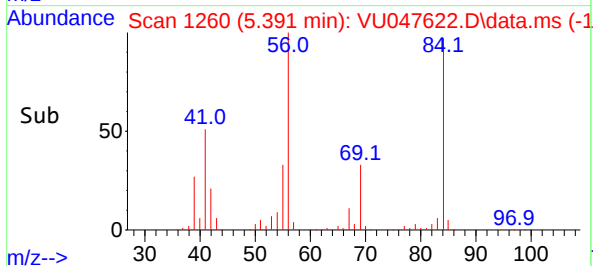
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 56 Resp: 11601
 Ion Ratio Lower Upper
 56 100
 69 32.2 24.7 37.1
 84 94.7 68.8 103.2

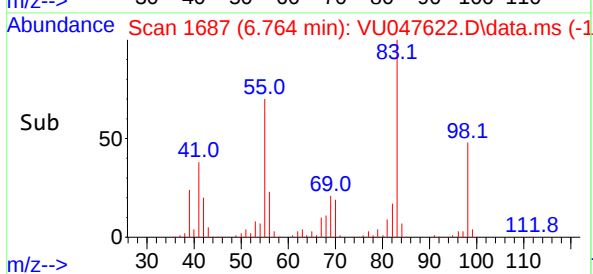
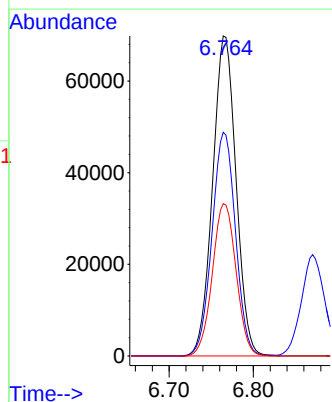
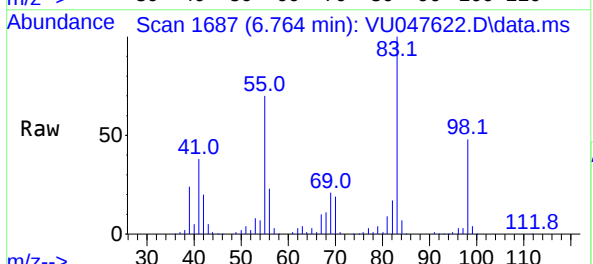
Manual Integrations
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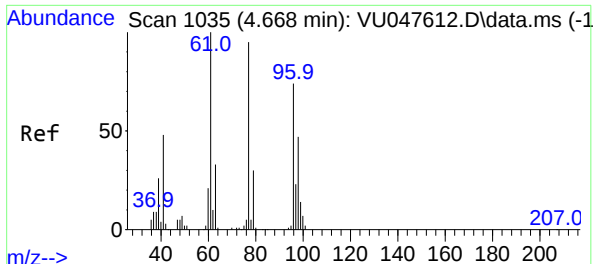
Reviewed By :John Carlone 03/31/2022
 Supervised By :Mahesh Dadoda 03/31/2022



Methylcyclohexane
 Concen: 10.537 ug/l
 RT: 6.764 min Scan# 1687
 Delta R.T. -0.003 min
 Lab File: VU047622.D
 Acq: 18 Mar 2022 18:40

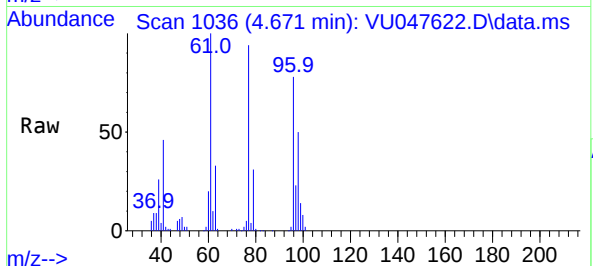
Tgt Ion: 83 Resp: 134660
 Ion Ratio Lower Upper
 83 100
 55 69.8 61.9 92.9
 98 48.3 37.4 56.2





#21
2,2-Dichloropropane
Concen: 9.705 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

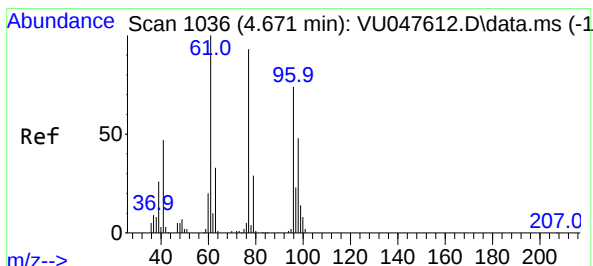
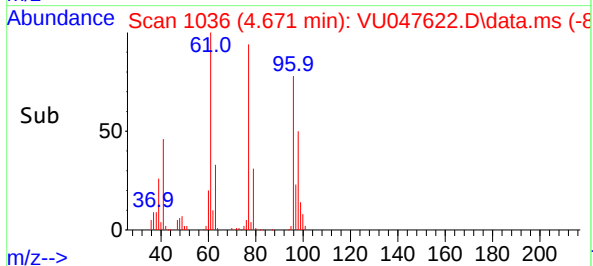
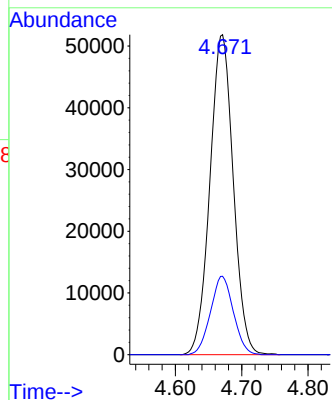
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 77 Resp: 126674
Ion Ratio Lower Upper
77 100
97 24.0 17.2 25.8

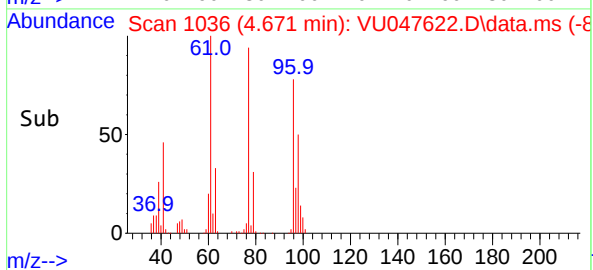
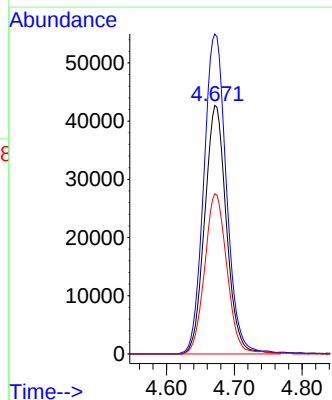
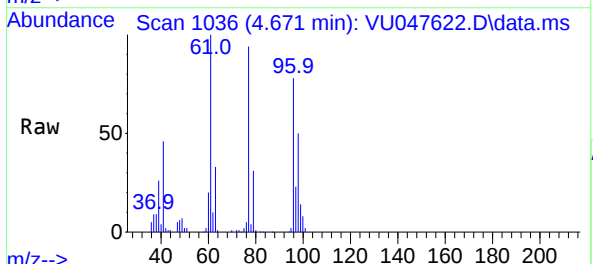
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

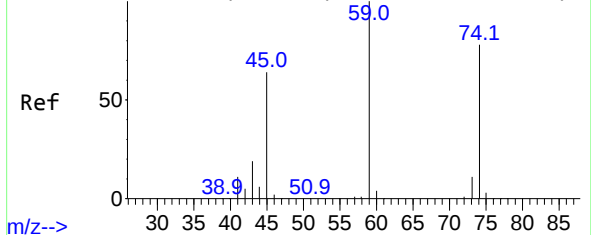


#22
cis-1,2-Dichloroethene
Concen: 10.015 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Tgt Ion: 96 Resp: 95161
Ion Ratio Lower Upper
96 100
61 133.4 0.0 385.3
98 65.9 32.1 96.3



Abundance Scan 324 (2.382 min): VU047612.D\data.ms (-31



#23

Diethyl Ether

Concen: 9.659 ug/l

RT: 2.382 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 59 Resp: 58710

Ion Ratio Lower Upper

59 100

45 68.2 55.6 83.4

74 78.7 58.1 87.1

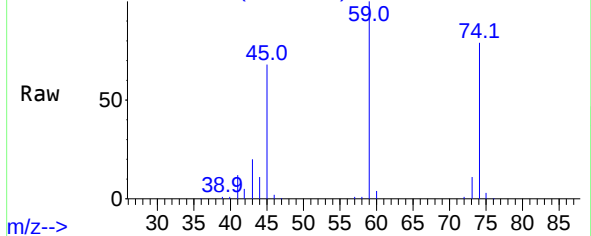
Manual Integrations

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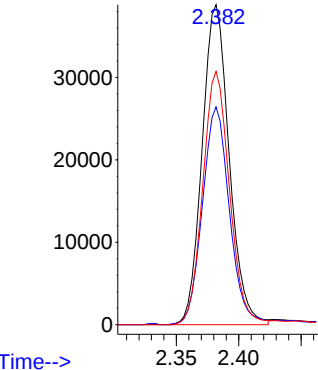
Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022

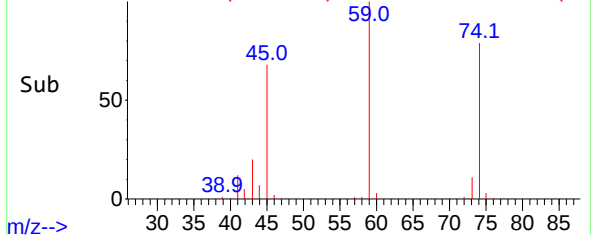
Abundance Scan 324 (2.382 min): VU047622.D\data.ms



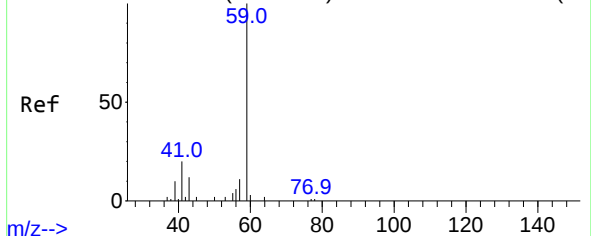
Abundance



Abundance Scan 324 (2.382 min): VU047622.D\data.ms (-16



Abundance Scan 595 (3.253 min): VU047612.D\data.ms (-55



#24

tert-Butyl Alcohol

Concen: 92.938 ug/l

RT: 3.240 min Scan# 591

Delta R.T. -0.013 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

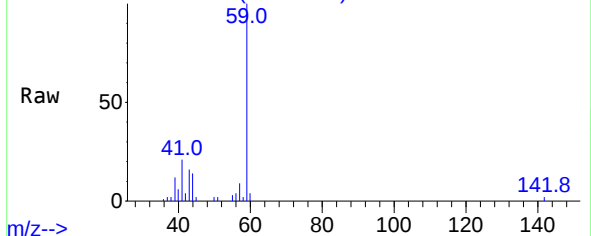
Tgt Ion: 59 Resp: 38967

Ion Ratio Lower Upper

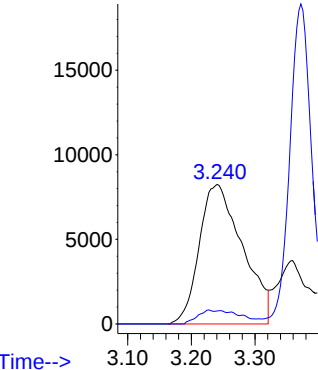
59 100

57 3.9 6.5 9.7#

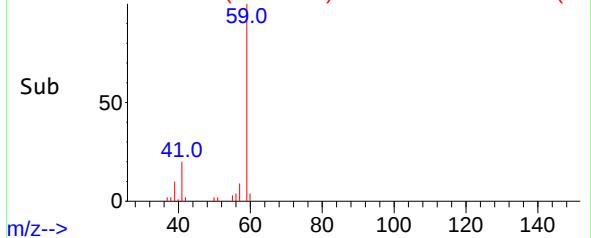
Abundance Scan 591 (3.240 min): VU047622.D\data.ms

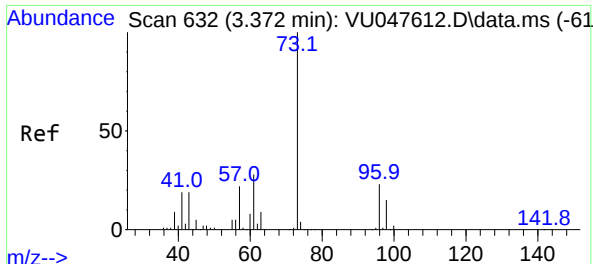


Abundance



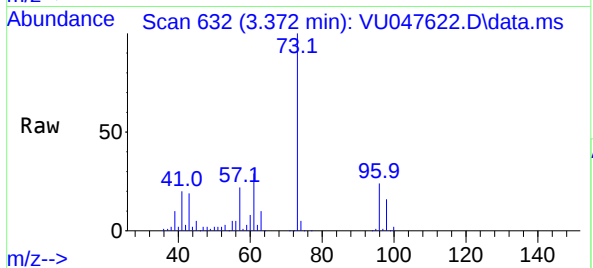
Abundance Scan 591 (3.240 min): VU047622.D\data.ms (-43





#25
Methyl tert-Butyl Ether
Concen: 10.208 ug/l
RT: 3.372 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

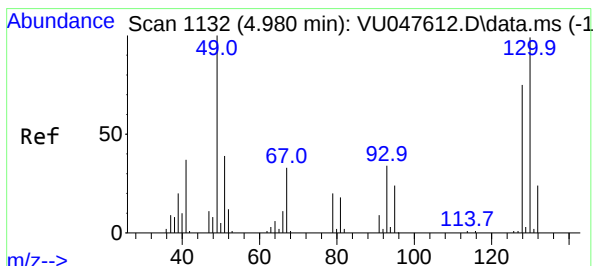
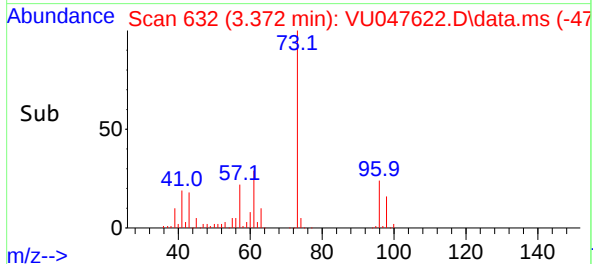
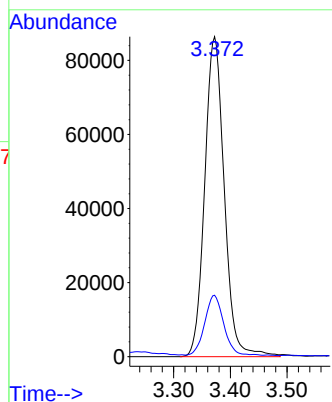
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 73 Resp: 206769
Ion Ratio Lower Upper
73 100
43 17.9 16.3 24.5

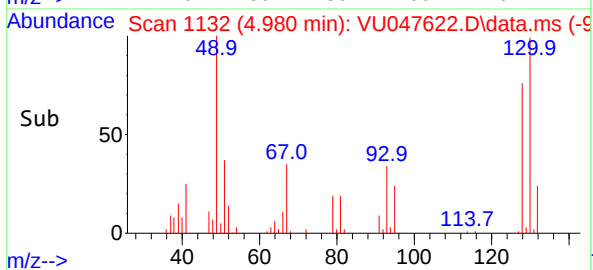
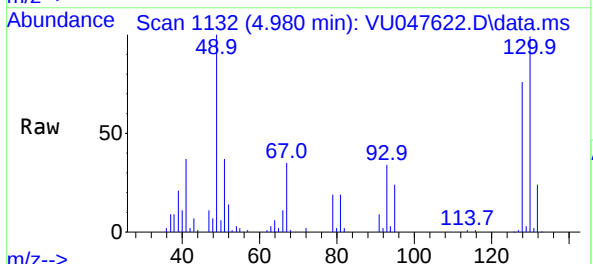
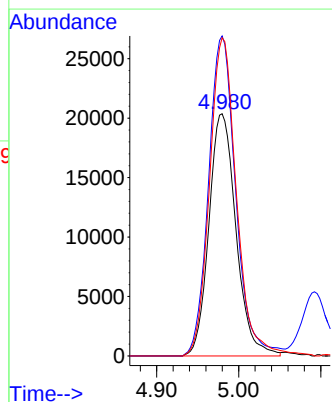
Manual Integrations
APPROVED

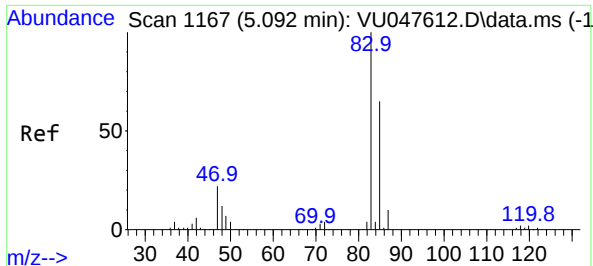
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#26
Bromochloromethane
Concen: 9.717 ug/l
RT: 4.980 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

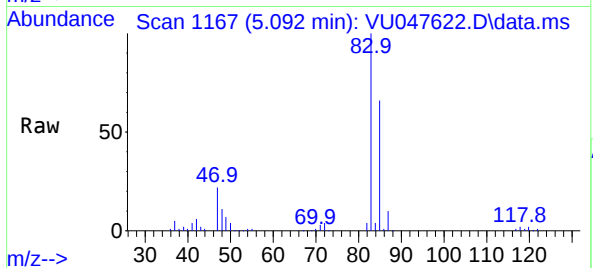
Tgt Ion:128 Resp: 46703
Ion Ratio Lower Upper
128 100
49 132.5 0.0 347.4
130 130.9 101.5 152.3





#27
Chloroform
Concen: 10.055 ug/l
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

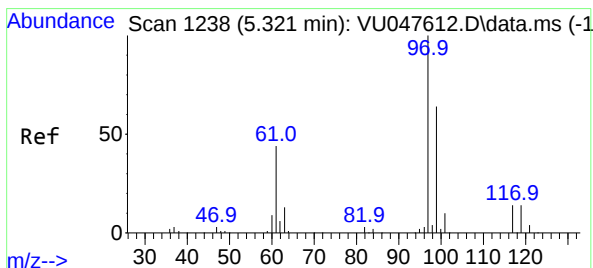
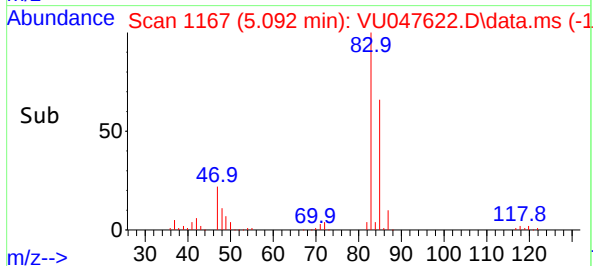
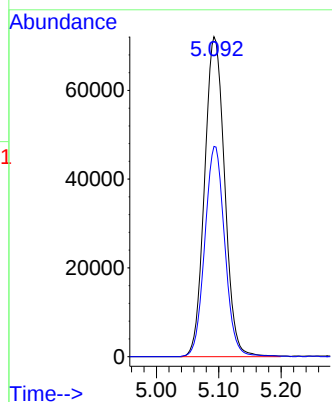
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 83 Resp: 161350
Ion Ratio Lower Upper
83 100
85 65.7 0.0 129.2

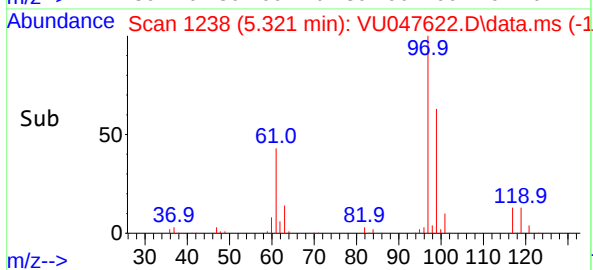
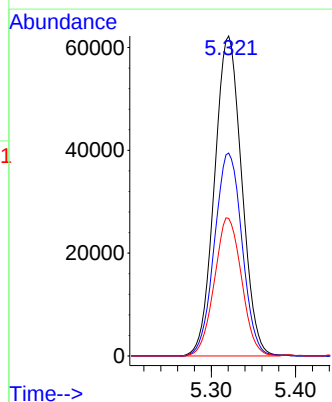
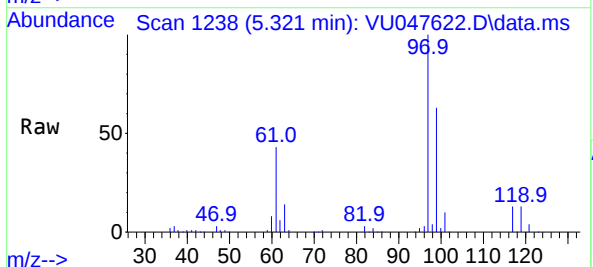
Manual Integrations
APPROVED

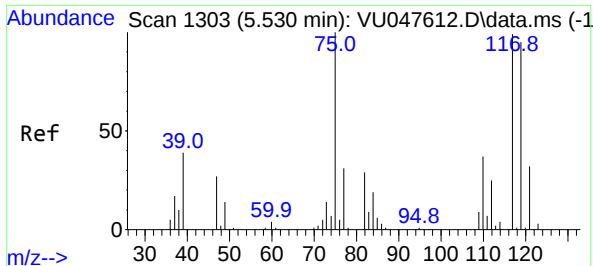
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#28
1,1,1-Trichloroethane
Concen: 10.023 ug/l
RT: 5.321 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Tgt Ion: 97 Resp: 139699
Ion Ratio Lower Upper
97 100
99 64.5 32.2 96.6
61 43.1 24.5 73.5





#29

1,1-Dichloropropene

Concen: 10.274 ug/l

RT: 5.530 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 11605

Ion Ratio Lower Upper

75 100

110 37.9 16.8 50.3

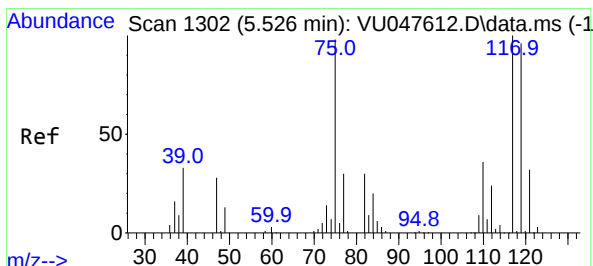
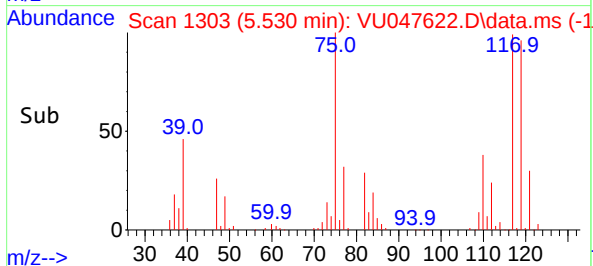
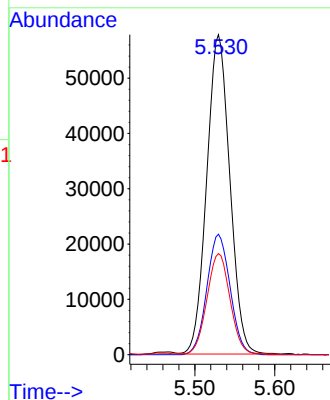
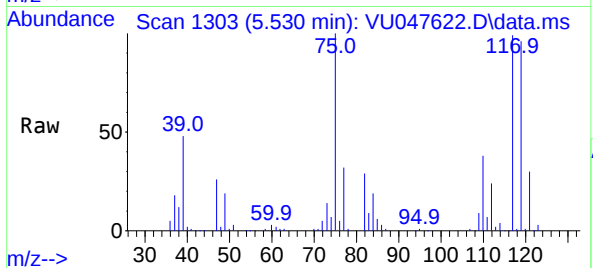
77 31.9 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#30

Carbon Tetrachloride

Concen: 10.154 ug/l

RT: 5.530 min Scan# 1303

Delta R.T. 0.003 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

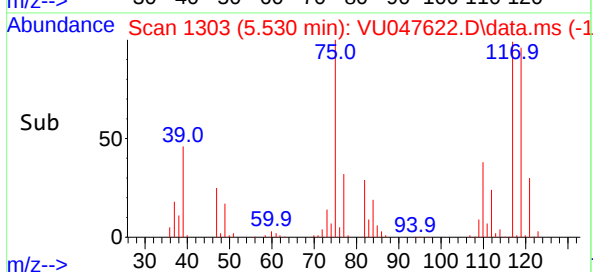
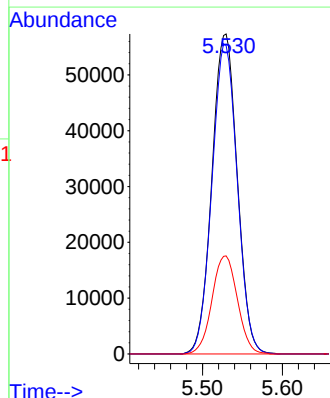
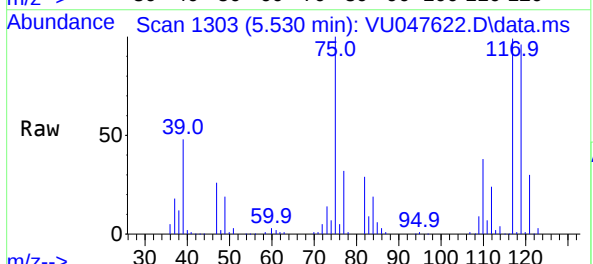
Tgt Ion:117 Resp: 126101

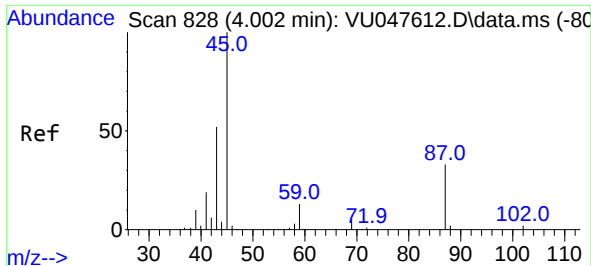
Ion Ratio Lower Upper

117 100

119 96.4 76.8 115.2

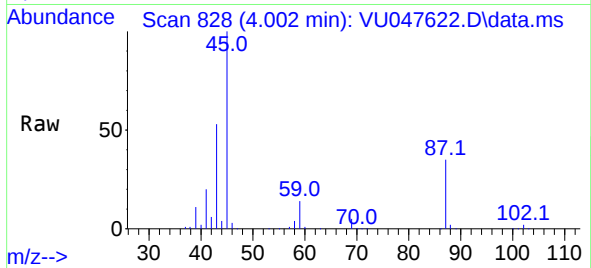
121 30.6 24.6 37.0





#31
Isopropyl Ether
Concen: 10.329 ug/l
RT: 4.002 min Scan# 81
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

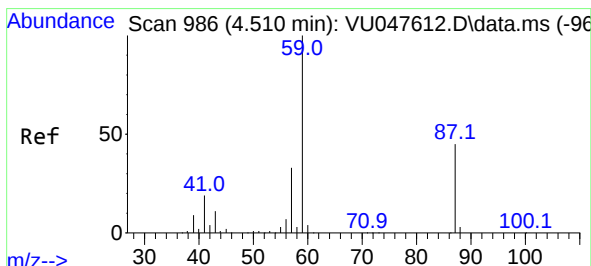
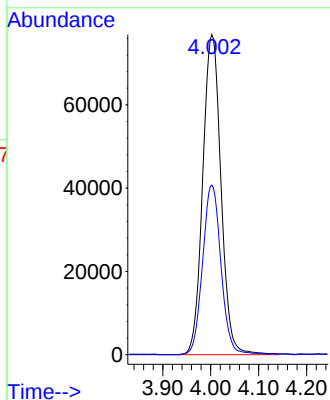
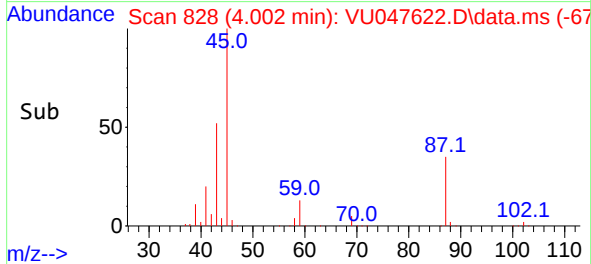
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



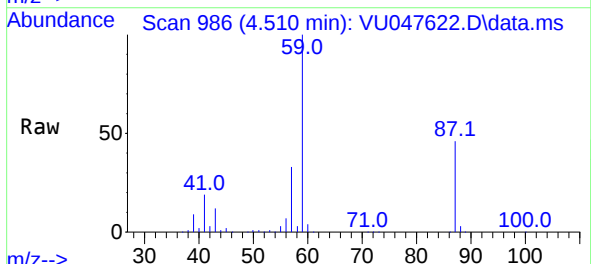
Tgt Ion: 45 Resp: 20361
Ion Ratio Lower Upper
45 100
43 53.3 25.3 75.8

Manual Integrations
APPROVED

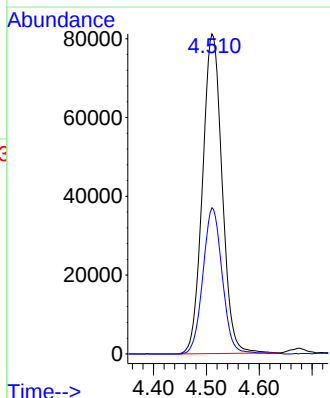
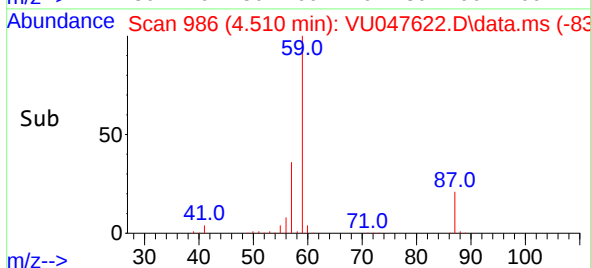
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

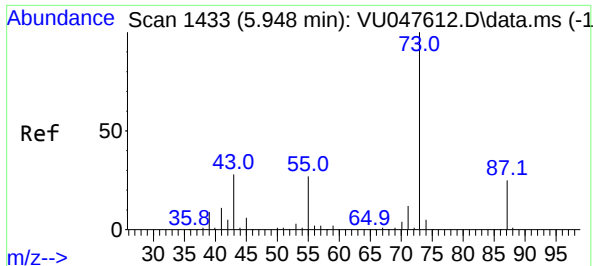


#32
Ethyl-t-butyl ether
Concen: 10.486 ug/l
RT: 4.510 min Scan# 986
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40



Tgt Ion: 59 Resp: 208659
Ion Ratio Lower Upper
59 100
87 44.6 32.7 49.1





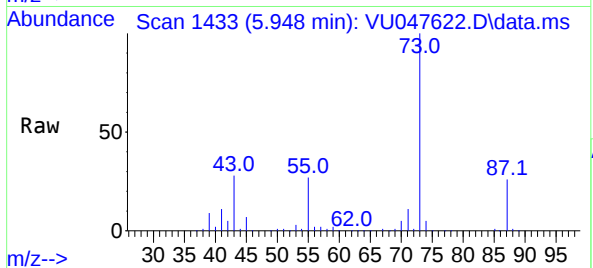
#33
Tert-Amyl methyl ether
Concen: 10.520 ug/l
RT: 5.948 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC



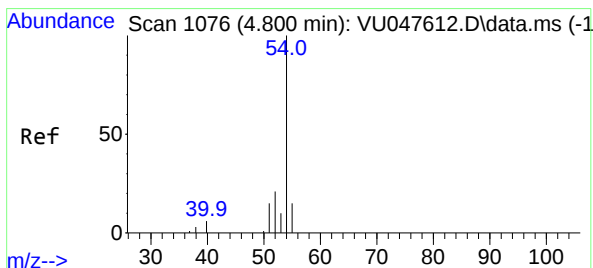
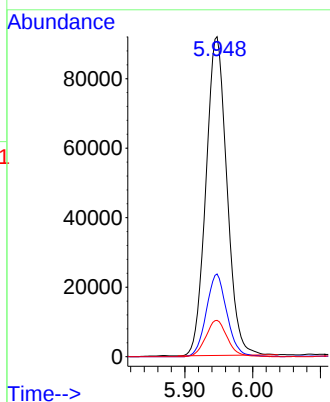
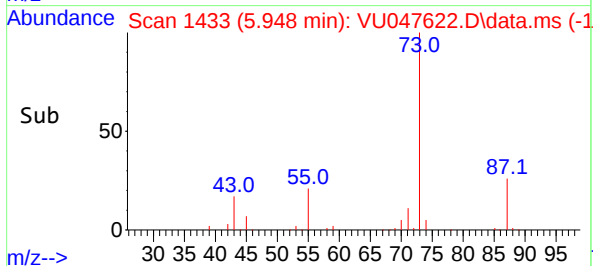
Tgt Ion: 73 Resp: 196770
Ion Ratio Lower Upper
73 100
87 25.6 18.6 28.0
71 11.8 9.0 13.6

Manual Integrations

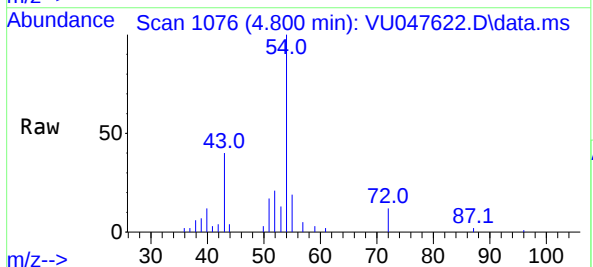
APPROVED

Reviewed By :John Carlone 03/31/2022

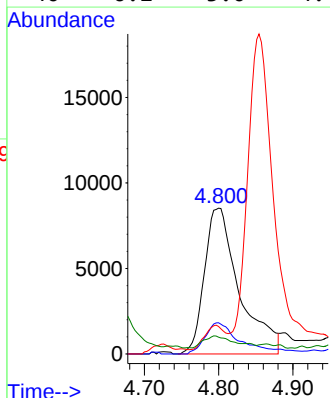
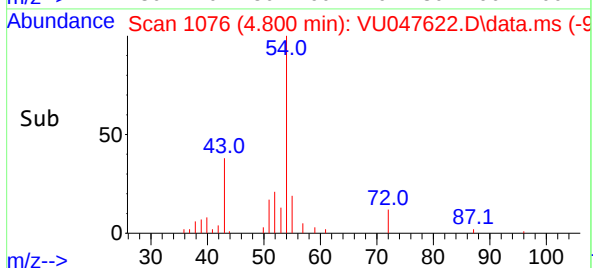
Supervised By :Mahesh Dadoda 03/31/2022

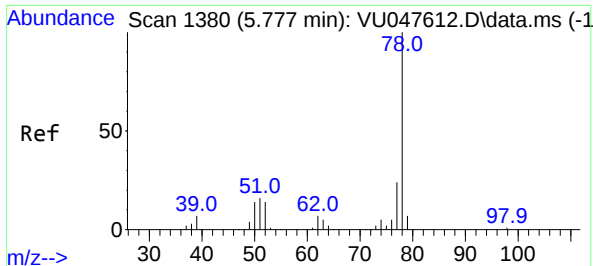


#34
Propionitrile
Concen: 49.322 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40



Tgt Ion: 54 Resp: 27916
Ion Ratio Lower Upper
54 100
52 22.5 11.9 17.9#
55 10.5 8.0 12.0
40 6.2 3.0 4.4#





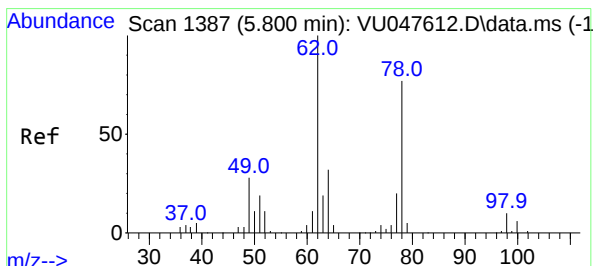
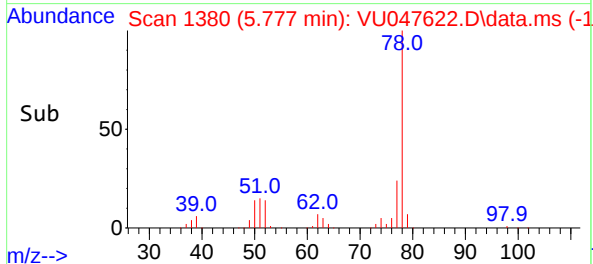
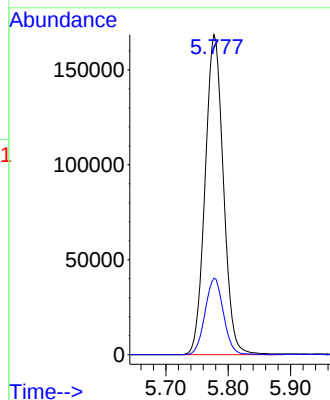
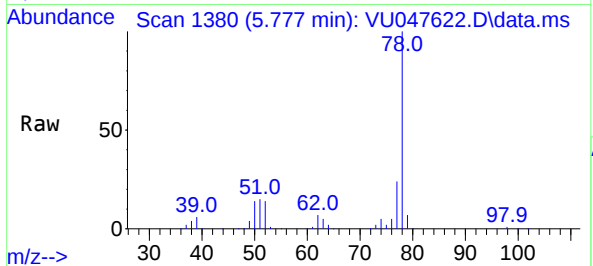
#35
Benzene
Concen: 10.175 ug/l
RT: 5.777 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 78 Resp: 34388
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

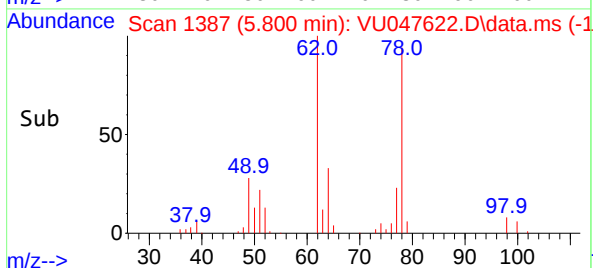
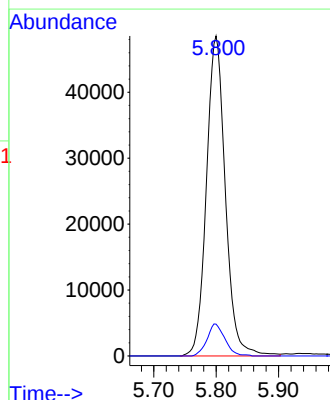
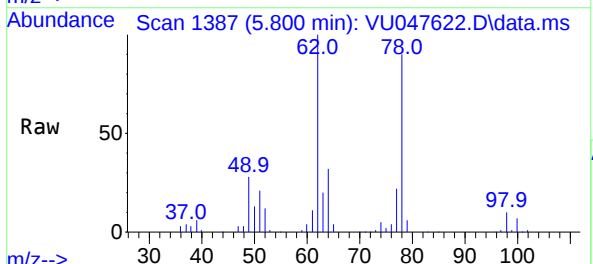
Manual Integrations
APPROVED

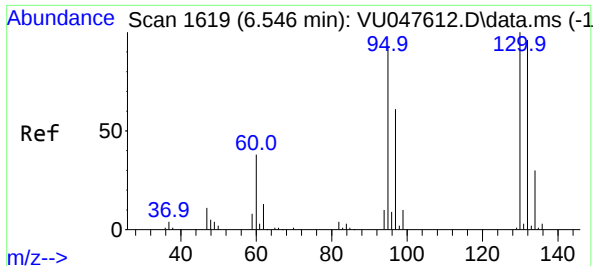
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#36
1,2-Dichloroethane
Concen: 10.017 ug/l
RT: 5.800 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

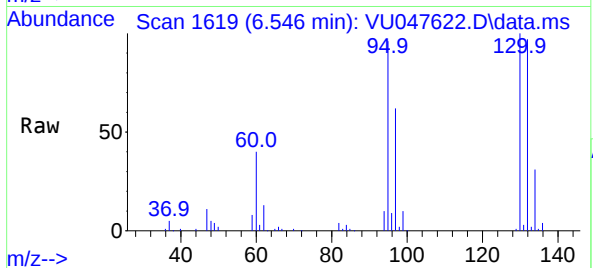
Tgt Ion: 62 Resp: 102416
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9





#37
Trichloroethene
Concen: 9.980 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

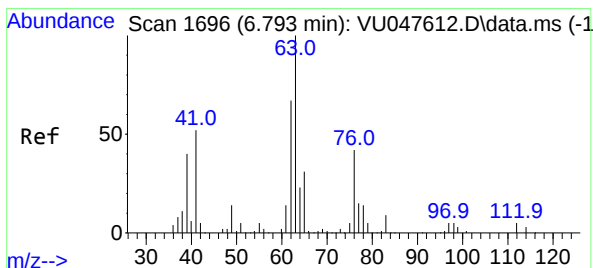
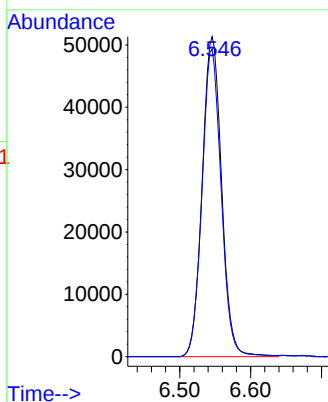
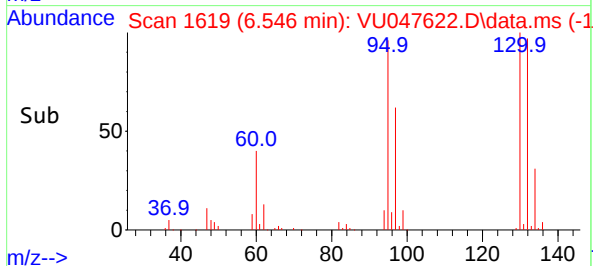
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



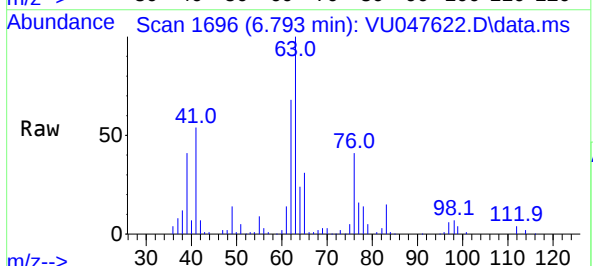
Tgt Ion:130 Resp: 9744
Ion Ratio Lower Upper
130 100
95 96.1 83.8 125.8

Manual Integrations
APPROVED

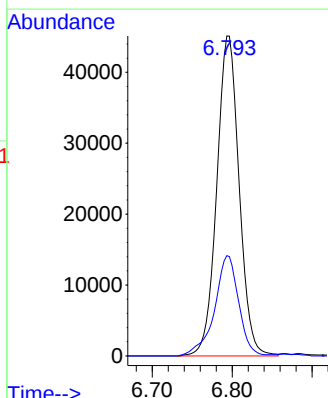
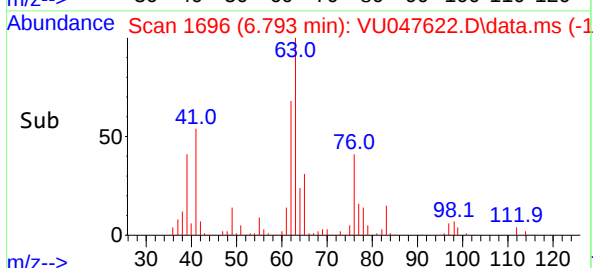
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

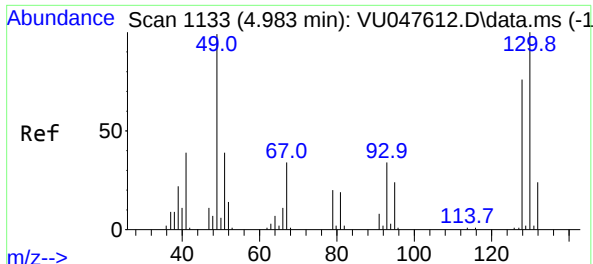


#38
1,2-Dichloropropane
Concen: 10.061 ug/l
RT: 6.793 min Scan# 1696
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40



Tgt Ion: 63 Resp: 87566
Ion Ratio Lower Upper
63 100
65 31.4 24.7 37.1





#39

Methacrylonitrile

Concen: 10.257 ug/l

RT: 4.983 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 2499

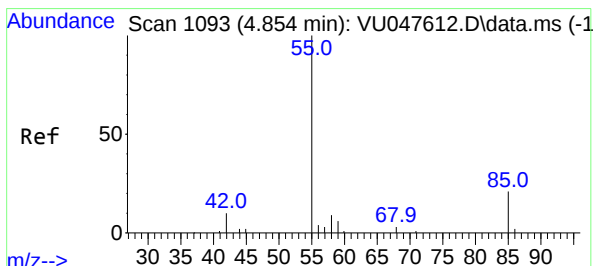
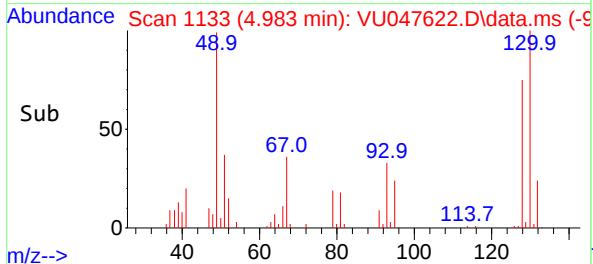
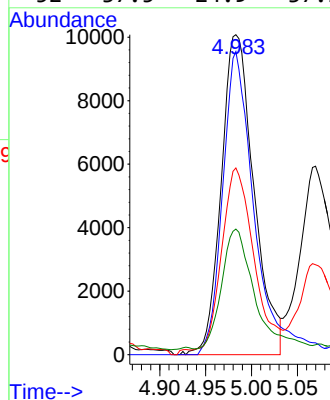
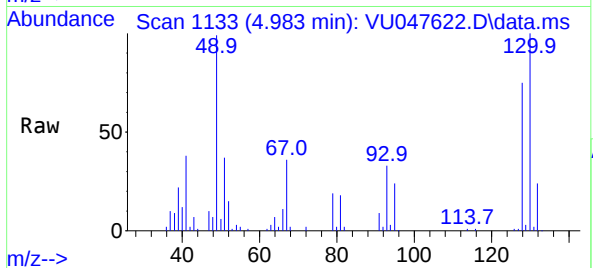
Ion	Ratio	Lower	Upper
41	100		
67	92.5	65.2	97.8
39	55.2	43.0	64.6
52	37.5	24.9	37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#40

Methyl acrylate

Concen: 11.258 ug/l

RT: 4.854 min Scan# 1093

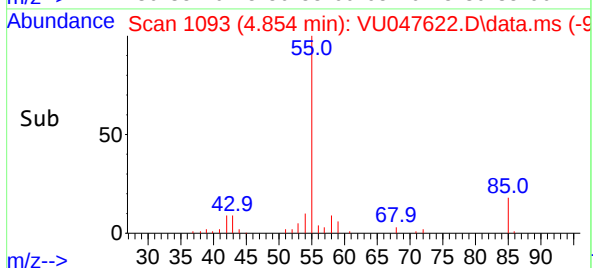
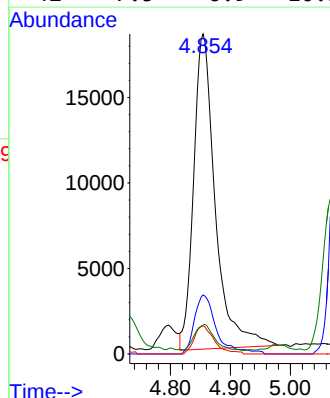
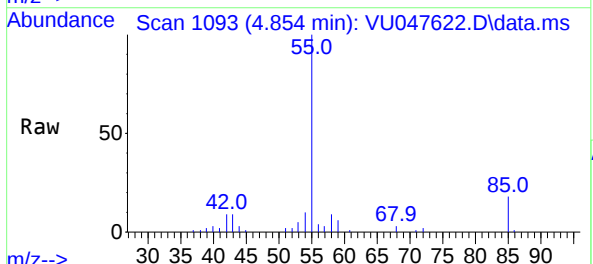
Delta R.T. -0.000 min

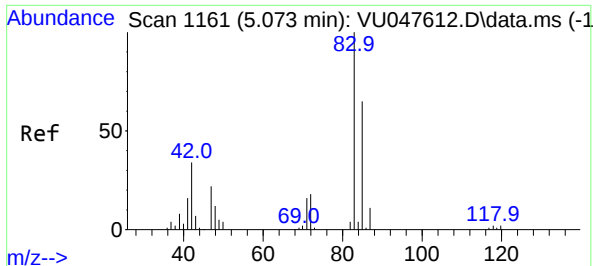
Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Tgt Ion: 55 Resp: 46360

Ion	Ratio	Lower	Upper
55	100		
85	18.7	12.2	18.2
58	8.3	6.7	10.1
42	7.5	6.9	10.3





#41

Tetrahydrofuran

Concen: 19.730 ug/l

RT: 5.070 min Scan# 1161

Delta R.T. -0.003 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 42 Resp: 24394

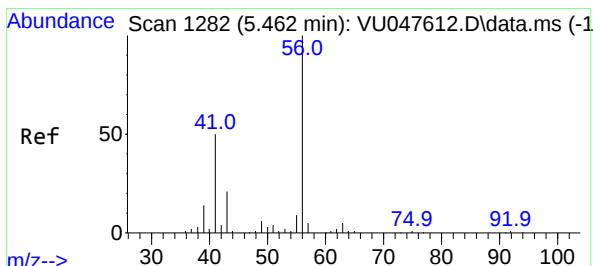
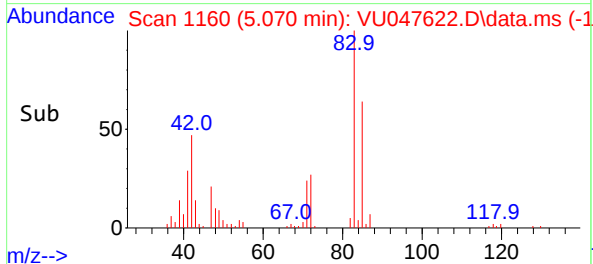
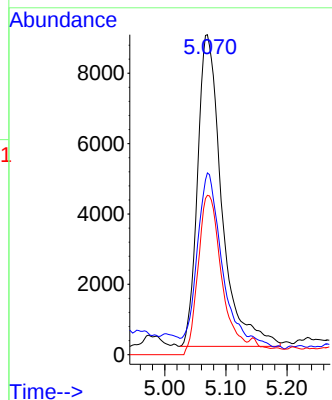
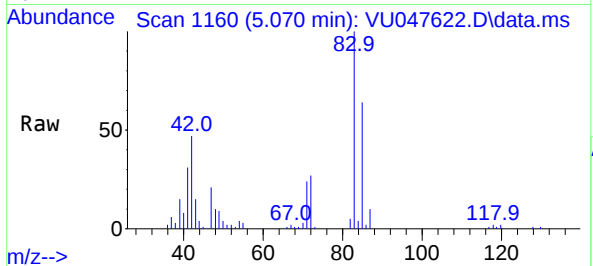
Ion	Ratio	Lower	Upper
42	100		
72	49.0	42.4	63.6
71	49.7	36.4	54.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#42

1-Chlorobutane

Concen: 10.289 ug/l

RT: 5.462 min Scan# 1282

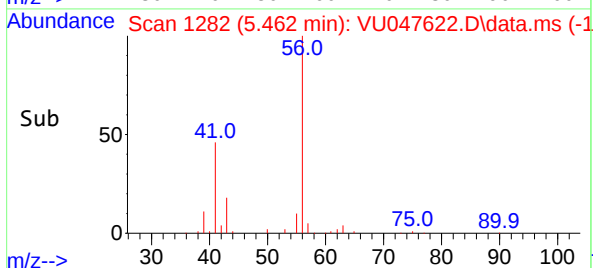
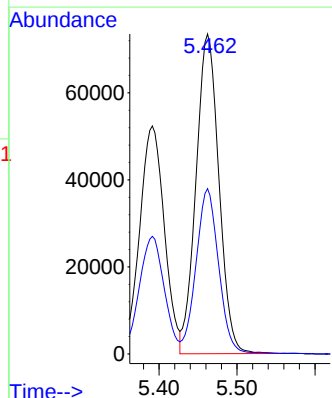
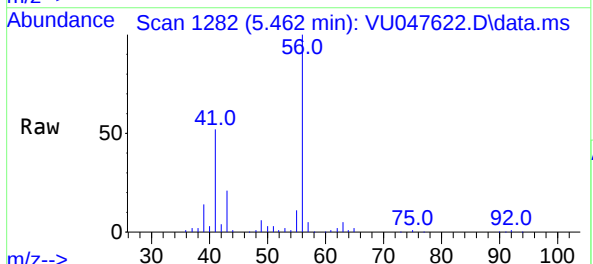
Delta R.T. -0.000 min

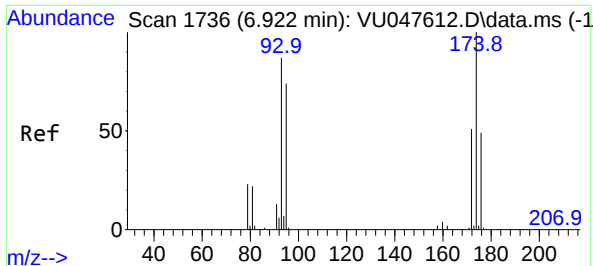
Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Tgt Ion: 56 Resp: 149790

Ion	Ratio	Lower	Upper
56	100		
41	49.7	26.0	78.0





#43

Dibromomethane

Concen: 9.825 ug/l

RT: 6.922 min Scan# 1736

Delta R.T. -0.000 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 93 Resp: 5124

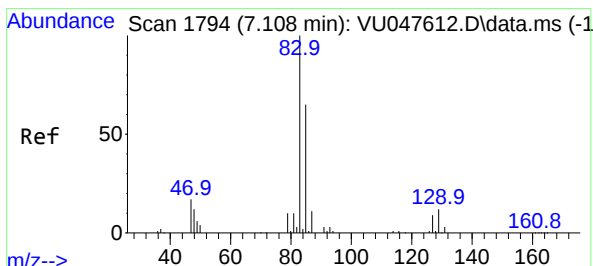
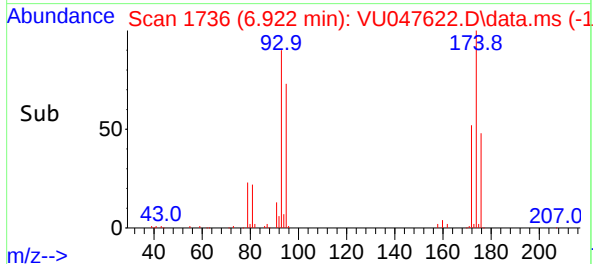
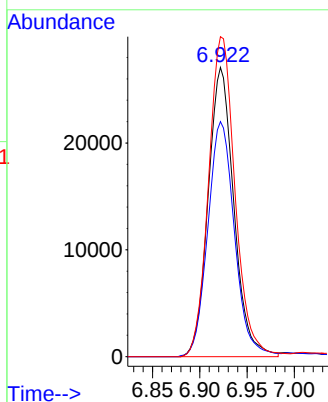
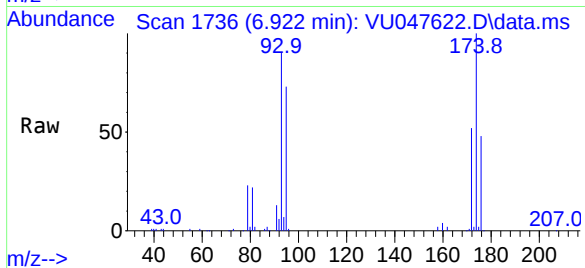
Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.2	99.2
174	114.3	70.7	106.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#44

Bromodichloromethane

Concen: 9.976 ug/l

RT: 7.108 min Scan# 1794

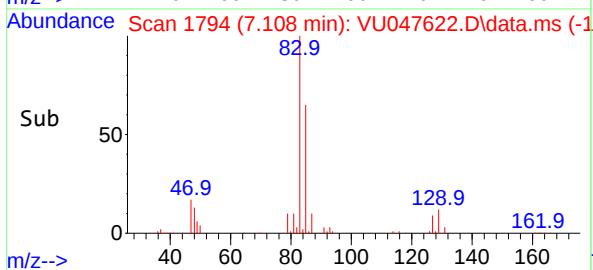
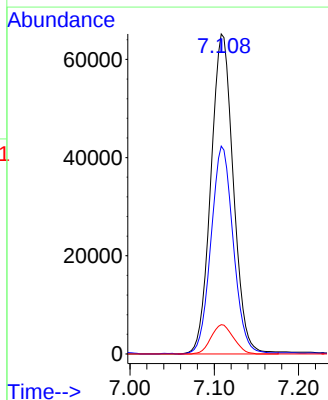
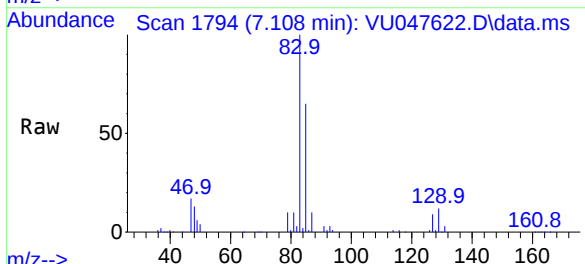
Delta R.T. -0.000 min

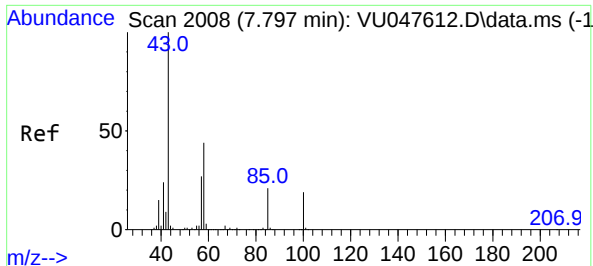
Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Tgt Ion: 83 Resp: 120703

Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3
127	9.2	6.0	9.0





#45

4-Methyl-2-Pentanone

Concen: 51.080 ug/l

RT: 7.796 min Scan# 2008

Delta R.T. -0.000 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 26634

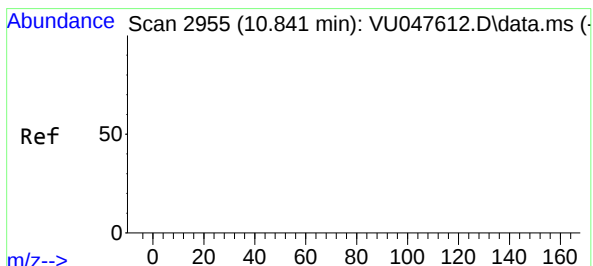
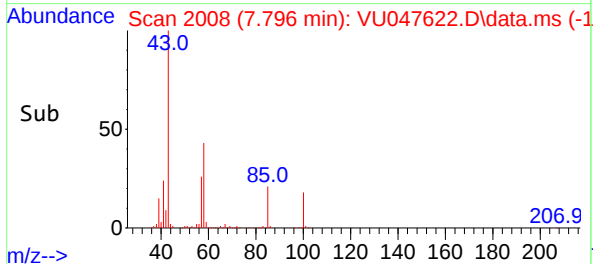
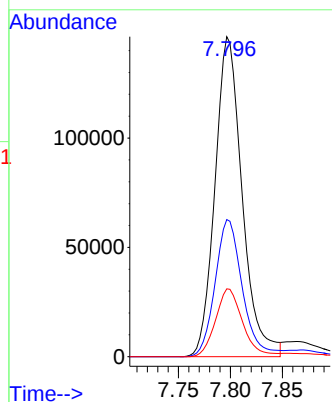
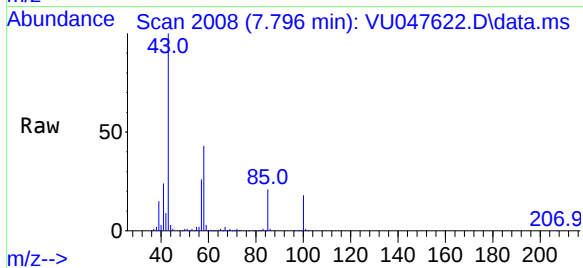
Ion	Ratio	Lower	Upper
43	100		
58	43.2	21.0	63.0
85	21.2	14.8	22.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#46

t-1,4-Dichloro-2-butene

Concen: 22.945 ug/l m

RT: 10.838 min Scan# 2954

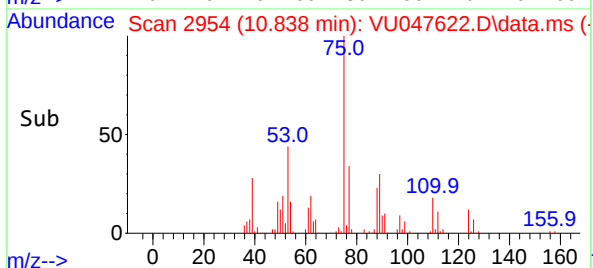
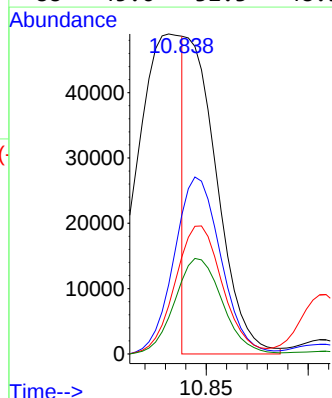
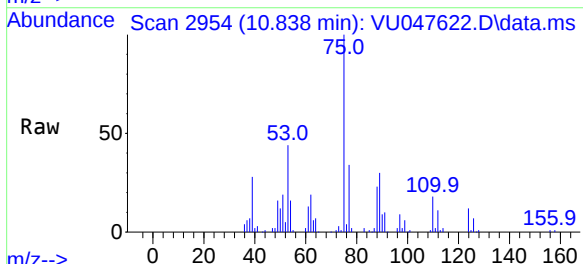
Delta R.T. -0.003 min

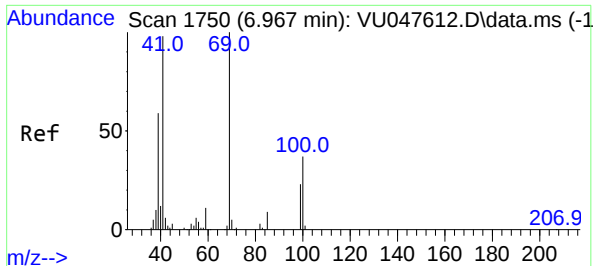
Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Tgt Ion: 75 Resp: 51969

Ion	Ratio	Lower	Upper
75	100		
53	83.1	66.8	100.2
89	61.4	41.7	62.5
88	45.6	32.3	48.5





#47

Methyl methacrylate

Concen: 21.453 ug/l

RT: 6.964 min Scan# 1750

Delta R.T. -0.003 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 69 Resp: 9051

Ion Ratio Lower Upper

69 100

41 97.5 0.0 230.0

39 60.1 55.1 82.7

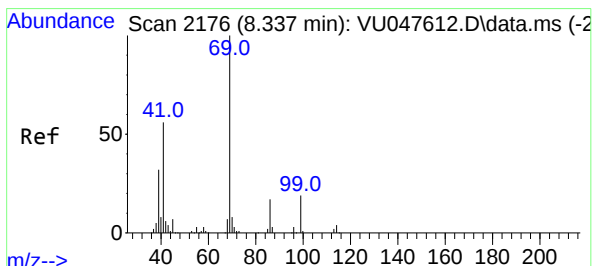
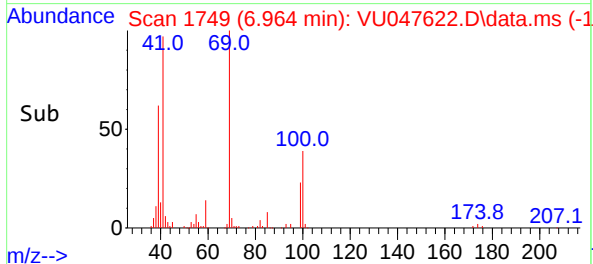
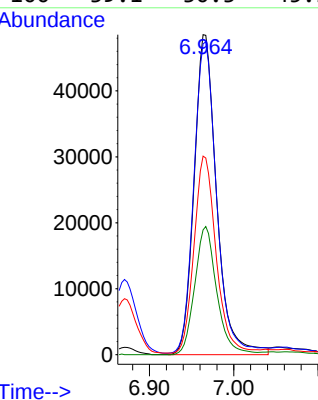
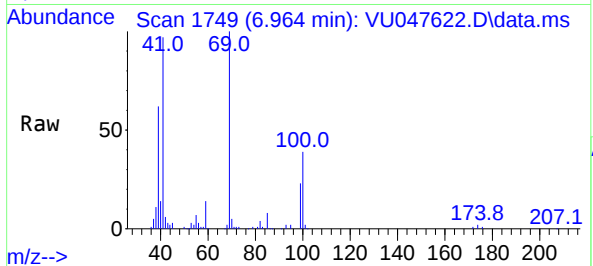
100 39.1 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#48

Ethyl methacrylate

Concen: 11.114 ug/l

RT: 8.337 min Scan# 2176

Delta R.T. -0.000 min

Lab File: VU047622.D

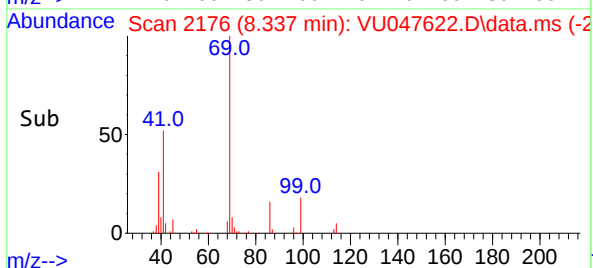
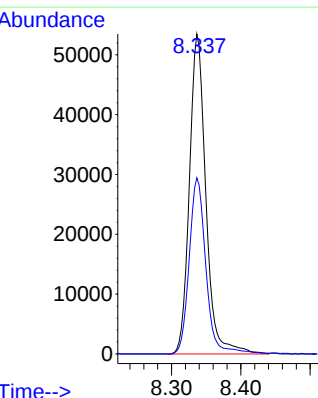
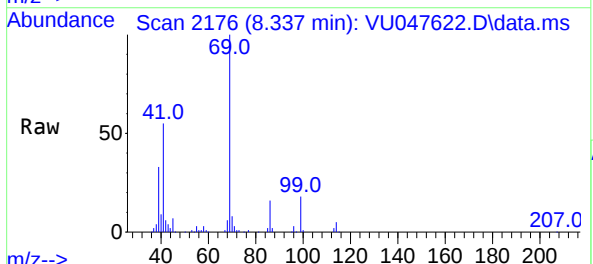
Acq: 18 Mar 2022 18:40

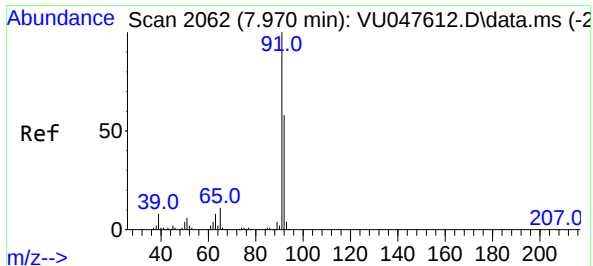
Tgt Ion: 69 Resp: 88362

Ion Ratio Lower Upper

69 100

41 55.8 32.6 98.0





#49

Toluene

Concen: 10.623 ug/l

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 92 Resp: 22063

Ion Ratio Lower Upper

92 100

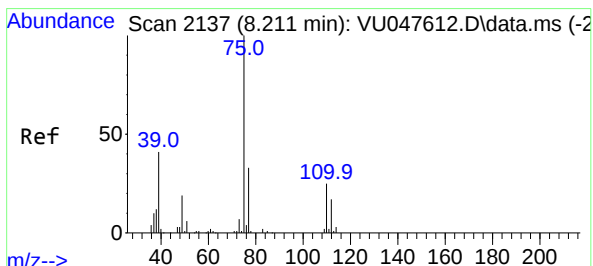
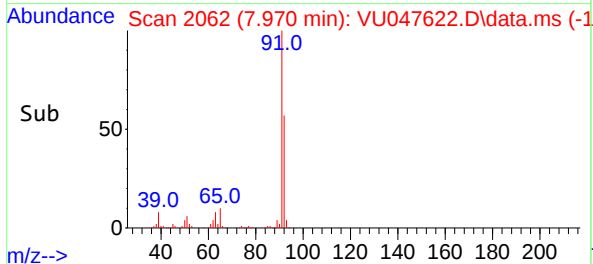
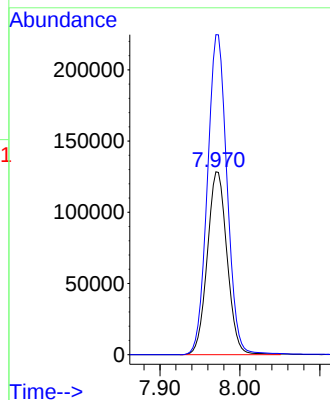
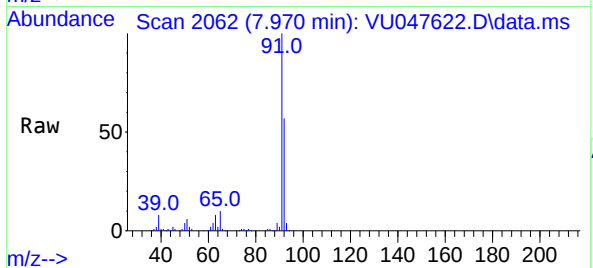
91 174.5 136.8 205.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#50

t-1,3-Dichloropropene

Concen: 10.332 ug/l

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU047622.D

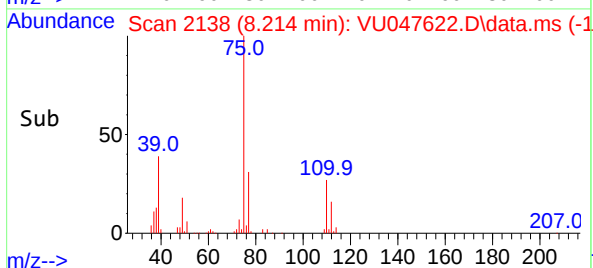
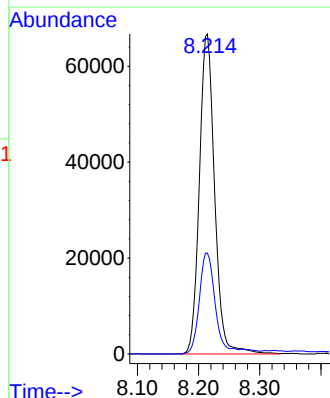
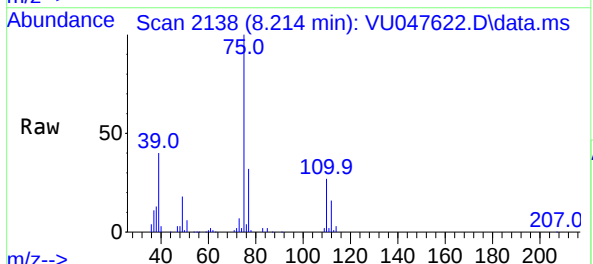
Acq: 18 Mar 2022 18:40

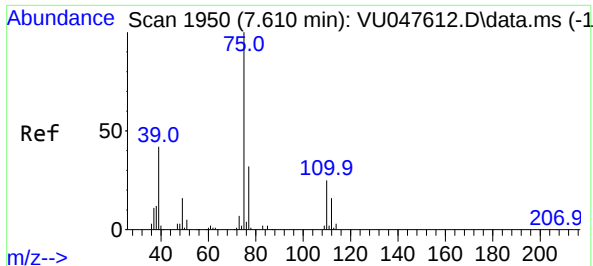
Tgt Ion: 75 Resp: 115830

Ion Ratio Lower Upper

75 100

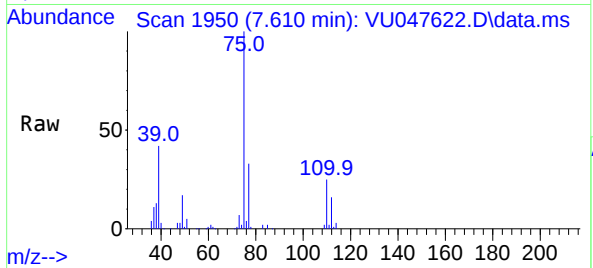
77 31.5 25.6 38.4





#51
cis-1,3-Dichloropropene
Concen: 10.096 ug/l
RT: 7.610 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

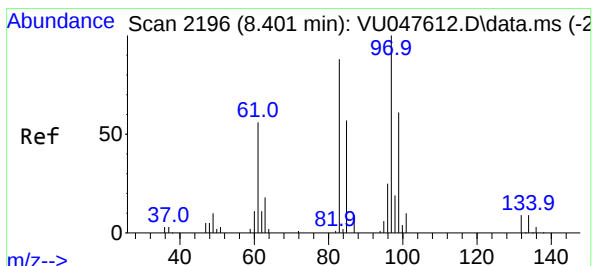
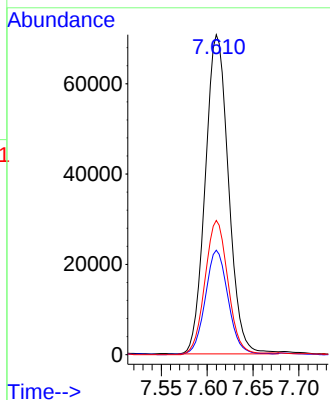
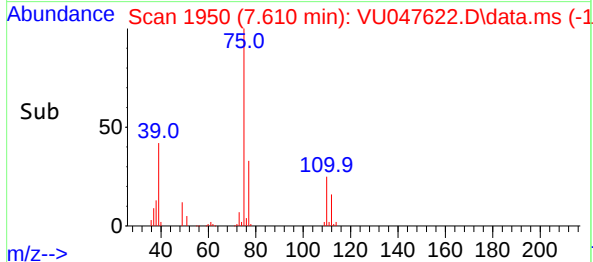
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 75 Resp: 12460
Ion Ratio Lower Upper
75 100
77 32.6 25.2 37.8
39 42.0 38.6 57.8

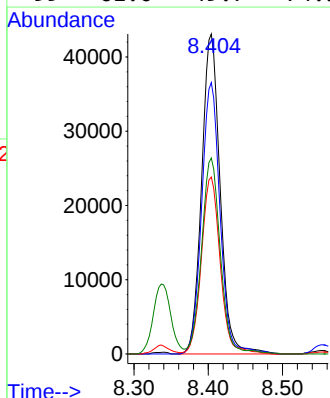
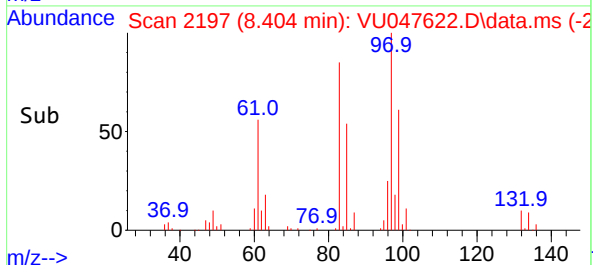
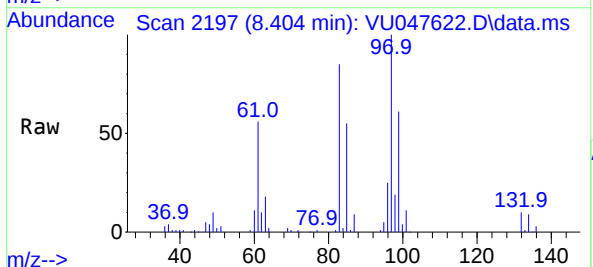
Manual Integrations
APPROVED

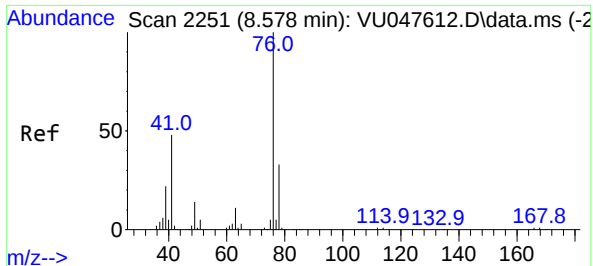
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#52
1,1,2-Trichloroethane
Concen: 10.276 ug/l
RT: 8.404 min Scan# 2197
Delta R.T. 0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Tgt Ion: 97 Resp: 74587
Ion Ratio Lower Upper
97 100
83 84.8 69.8 104.8
85 55.3 44.2 66.4
99 61.0 49.7 74.5





#53

1,3-Dichloropropane

Concen: 10.251 ug/l

RT: 8.578 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 12112

Ion Ratio Lower Upper

76 100

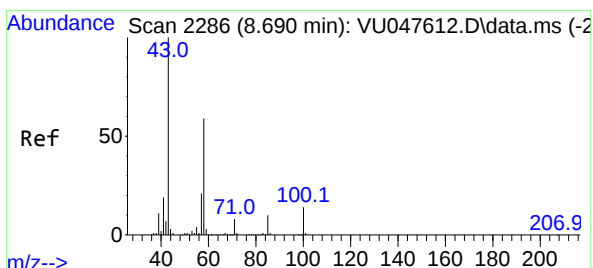
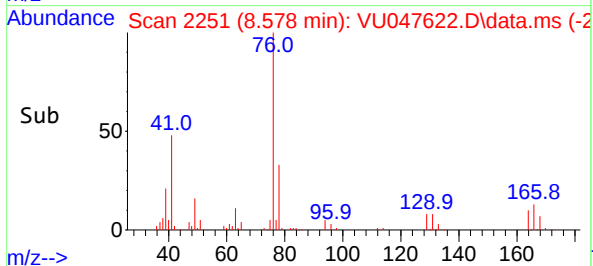
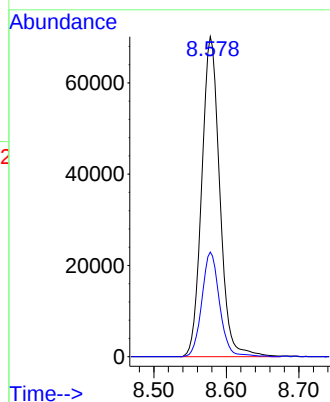
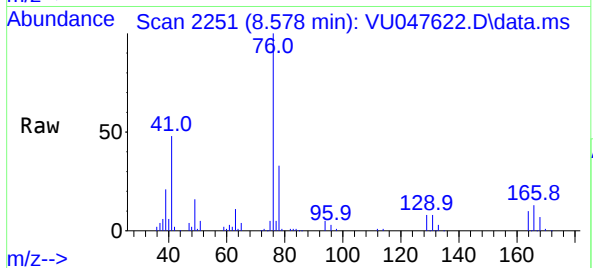
78 32.2 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/31/2022

Supervised By :Mahesh Dadoda 03/31/2022



#54

2-Hexanone

Concen: 53.854 ug/l

RT: 8.690 min Scan# 2286

Delta R.T. -0.000 min

Lab File: VU047622.D

Acq: 18 Mar 2022 18:40

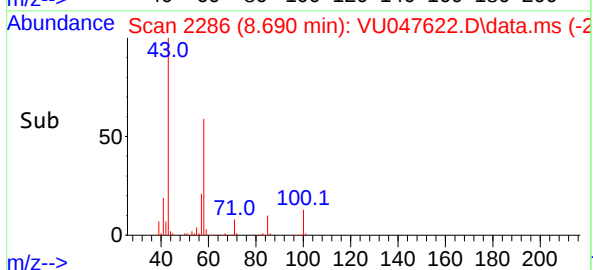
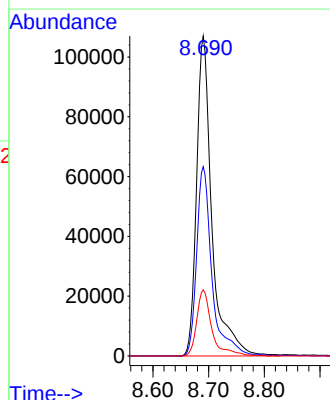
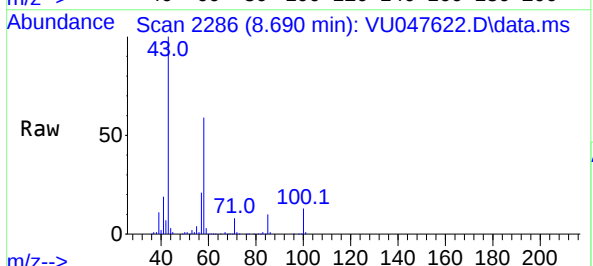
Tgt Ion: 43 Resp: 205025

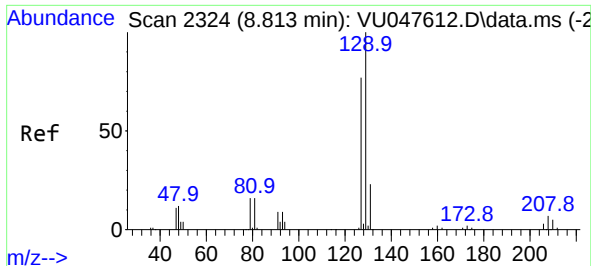
Ion Ratio Lower Upper

43 100

58 59.3 37.7 77.7

57 20.4 0.5 40.5





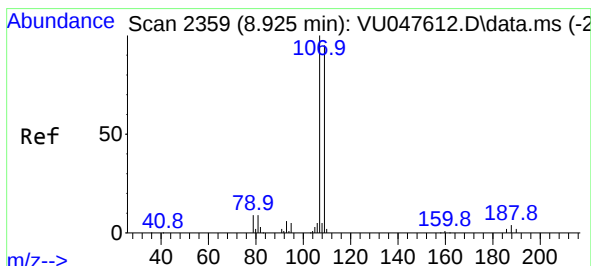
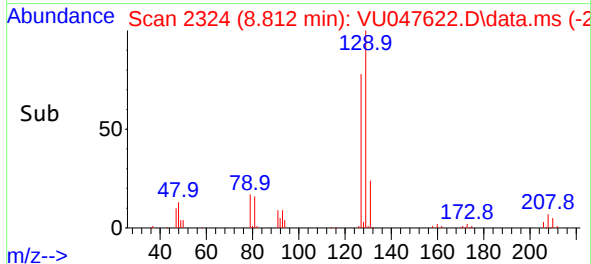
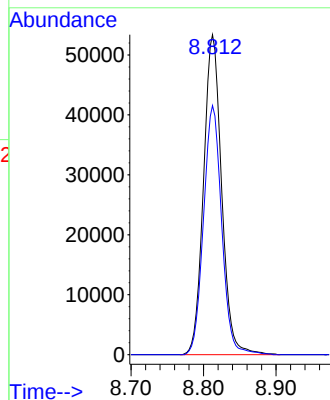
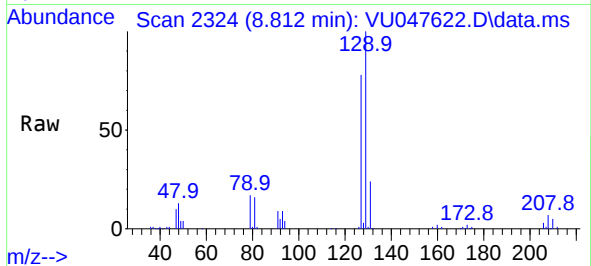
#55
Dibromochloromethane
Concen: 10.096 ug/l
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:129 Resp: 92549
Ion Ratio Lower Upper
129 100
127 78.1 62.2 93.4

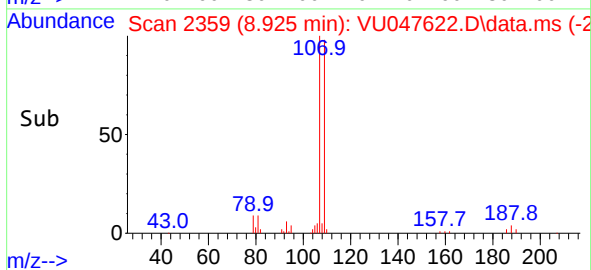
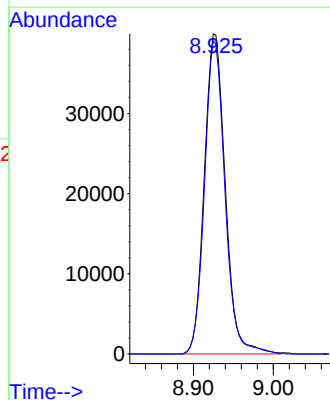
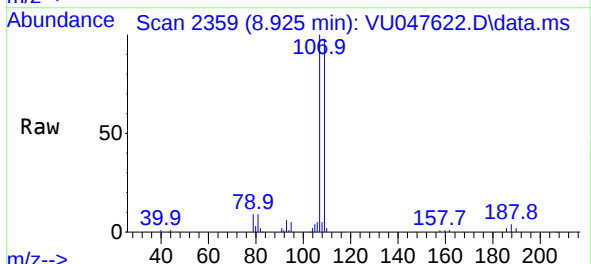
Manual Integrations
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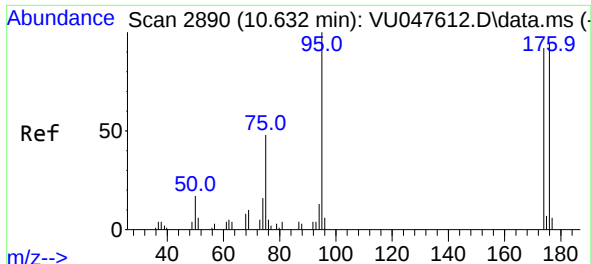
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#56
1,2-Dibromoethane
Concen: 10.091 ug/l
RT: 8.925 min Scan# 2359
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

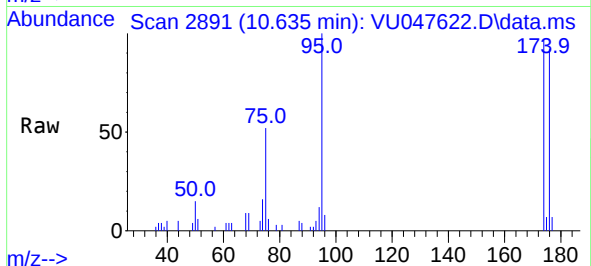
Tgt Ion:107 Resp: 72913
Ion Ratio Lower Upper
107 100
109 95.4 0.0 185.0





#57
4-Bromofluorobenzene
Concen: 0.990 ug/l
RT: 10.635 min Scan# 2890
Delta R.T. 0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

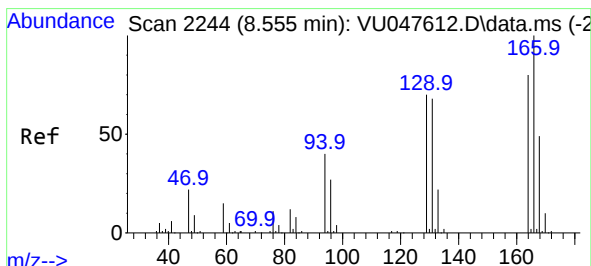
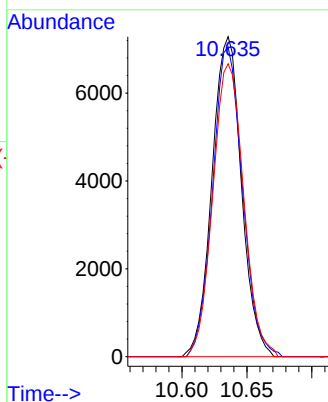
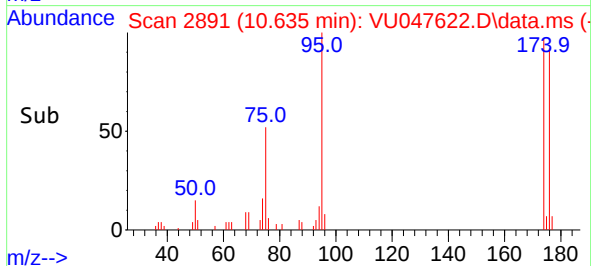
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 95 Resp: 11480
Ion Ratio Lower Upper
95 100
174 97.7 56.6 84.8
176 95.6 54.3 81.5

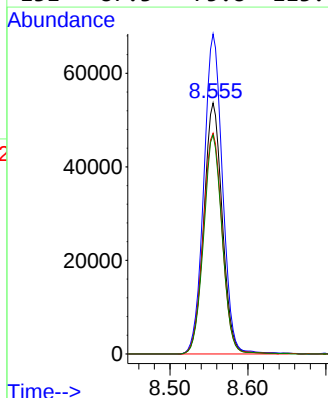
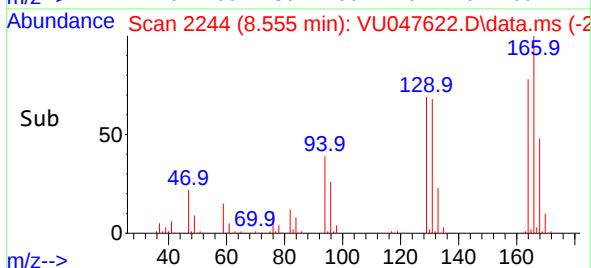
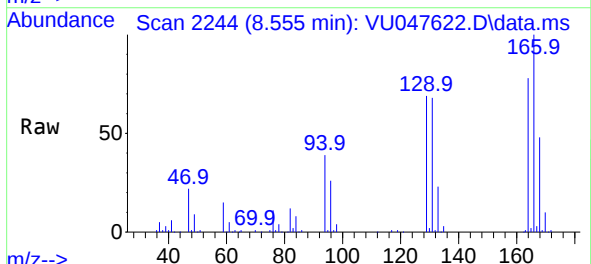
Manual Integrations
APPROVED

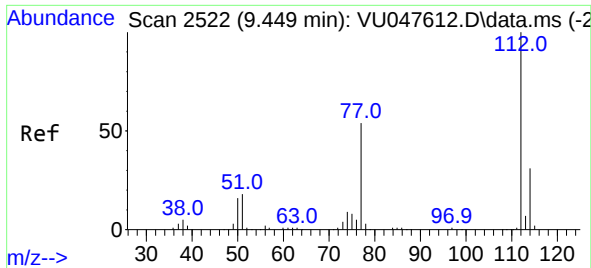
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#58
Tetrachloroethene
Concen: 9.837 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

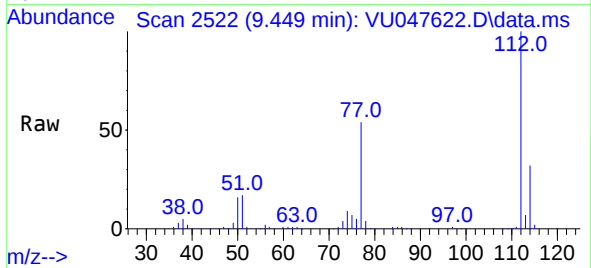
Tgt Ion:164 Resp: 88557
Ion Ratio Lower Upper
164 100
166 127.5 102.0 153.0
129 87.9 77.1 115.7
131 87.3 75.8 113.6





#59
Chlorobenzene
Concen: 10.283 ug/l
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

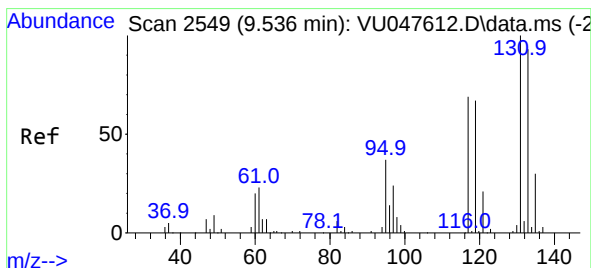
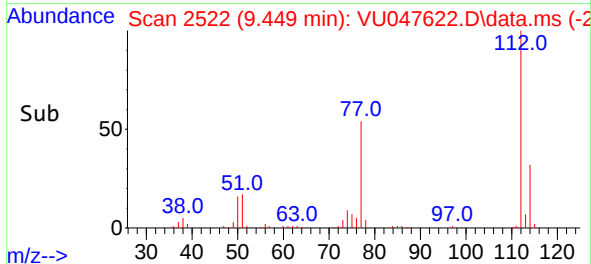
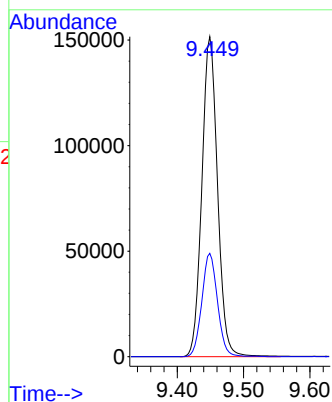
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



Tgt Ion:112 Resp: 24894
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0

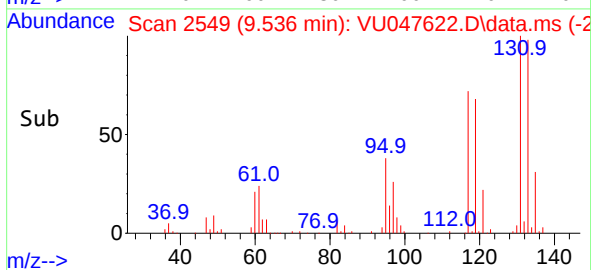
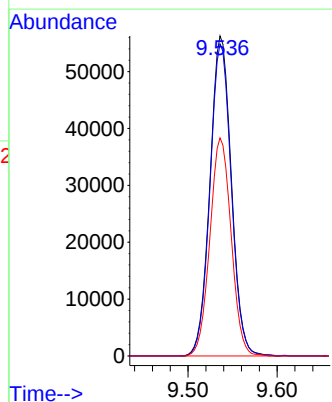
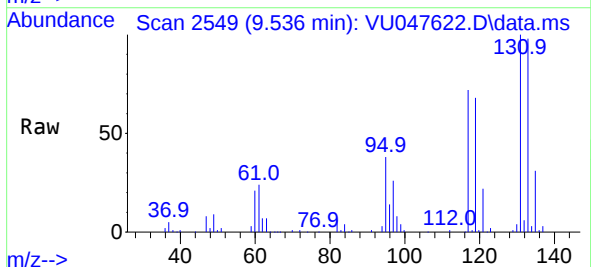
Manual Integrations
APPROVED

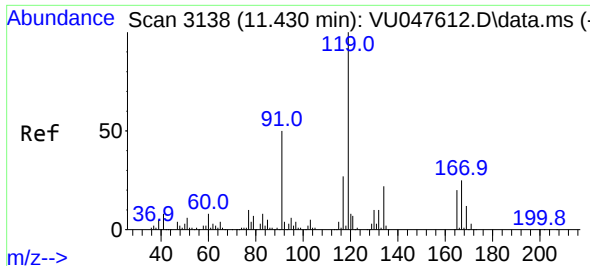
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#60
1,1,1,2-Tetrachloroethane
Concen: 10.007 ug/l
RT: 9.536 min Scan# 2549
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Tgt Ion:131 Resp: 94041
Ion Ratio Lower Upper
131 100
133 96.7 76.0 114.0
119 67.4 54.9 82.3





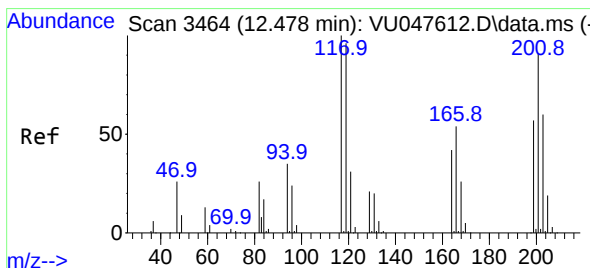
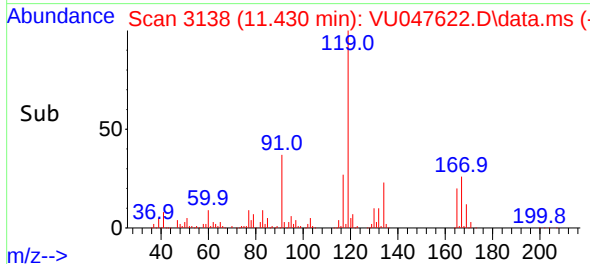
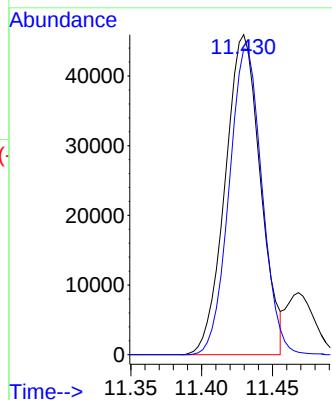
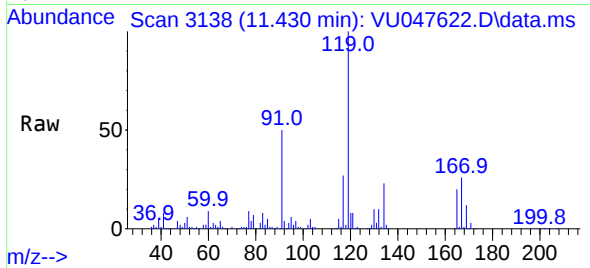
#61
Pentachloroethane
Concen: 10.007 ug/l
RT: 11.430 min Scan# 3138
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 7958
Ion Ratio Lower Upper
117 100
167 89.6 59.7 89.5

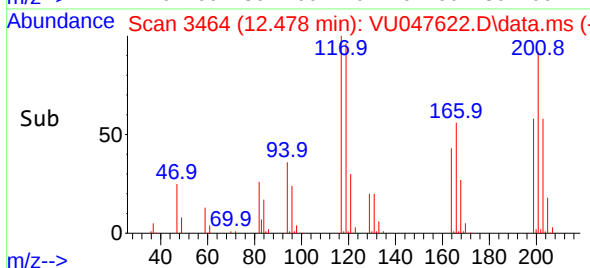
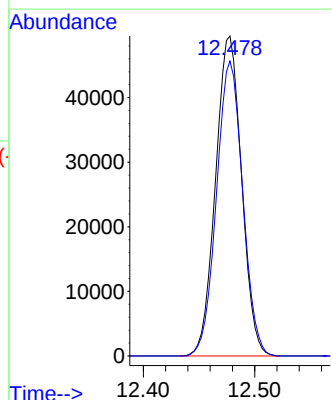
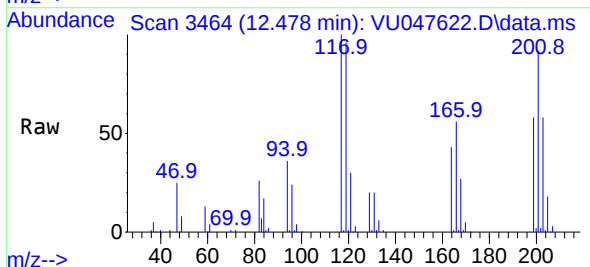
Manual Integrations
APPROVED

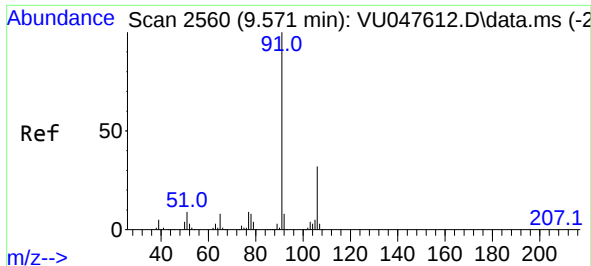
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#62
Hexachloroethane
Concen: 10.181 ug/l
RT: 12.478 min Scan# 3464
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

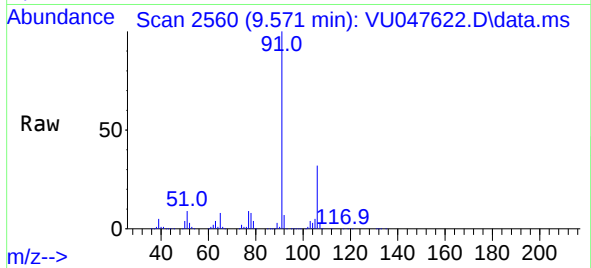
Tgt Ion:117 Resp: 80384
Ion Ratio Lower Upper
117 100
201 92.8 53.6 80.4#





#63
Ethyl Benzene
Concen: 10.833 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

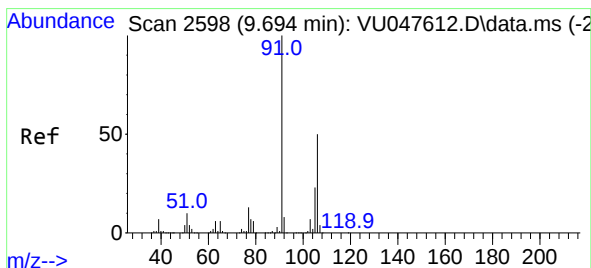
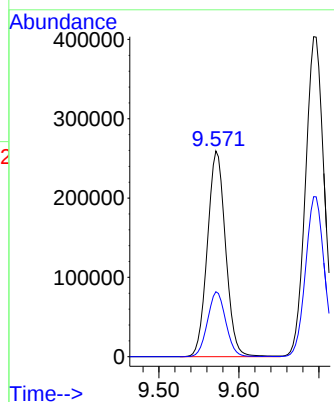
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 91 Resp: 410835
Ion Ratio Lower Upper
91 100
106 31.6 24.4 36.6

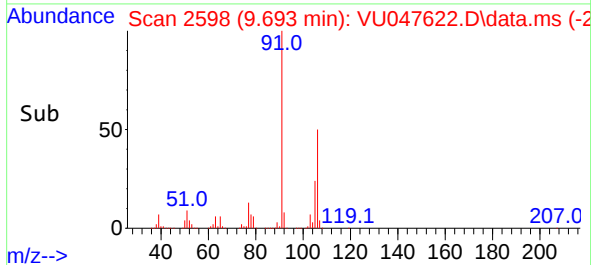
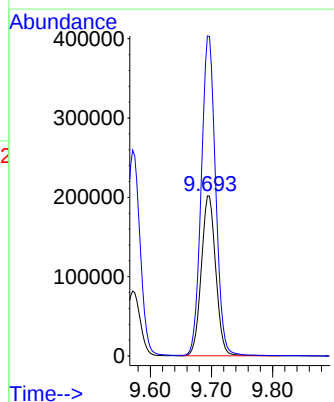
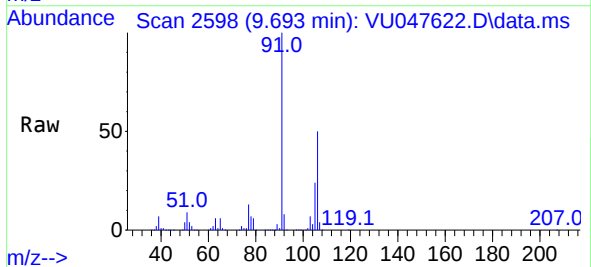
Manual Integrations
APPROVED

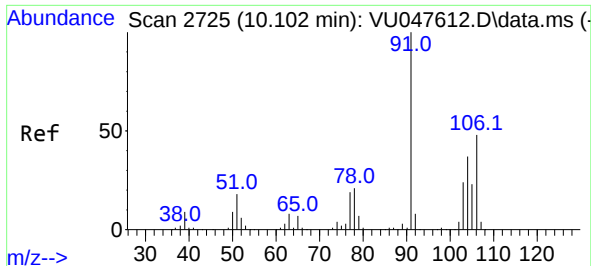
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#64
m/p-Xylenes
Concen: 21.977 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Tgt Ion:106 Resp: 330643
Ion Ratio Lower Upper
106 100
91 199.1 165.5 248.3





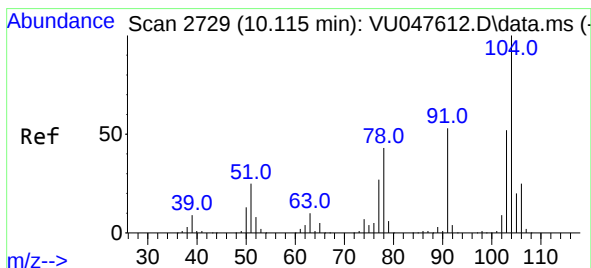
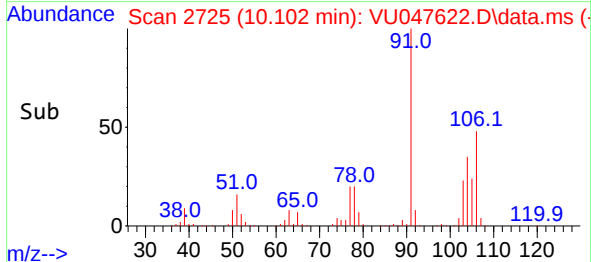
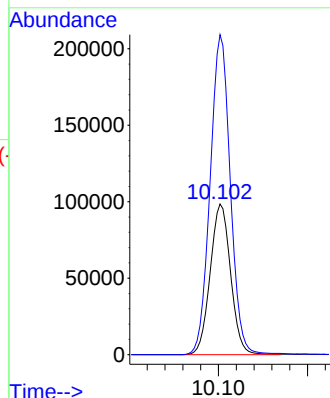
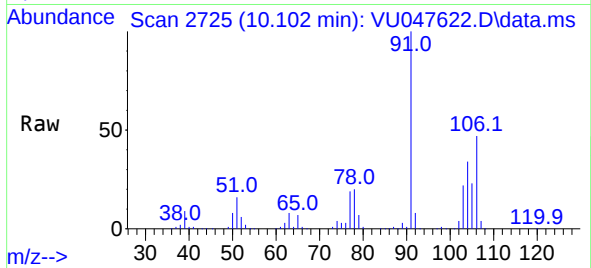
#65
o-Xylene
Concen: 11.002 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:106 Resp: 15663
Ion Ratio Lower Upper
106 100
91 210.7 109.4 328.2

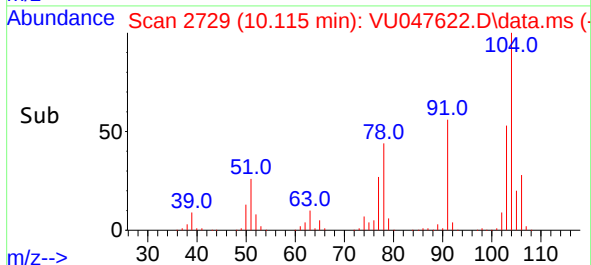
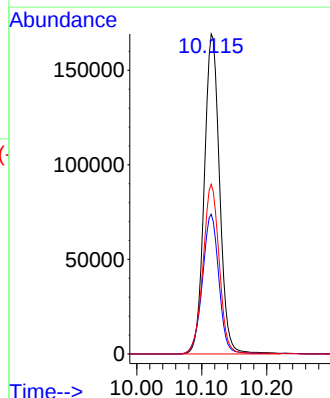
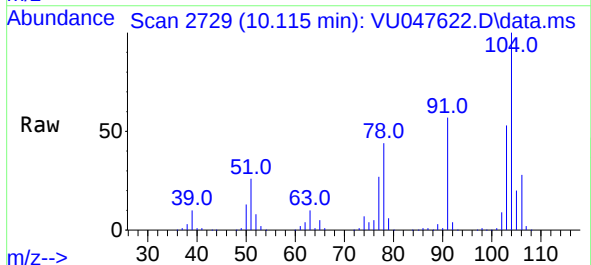
Manual Integrations
APPROVED

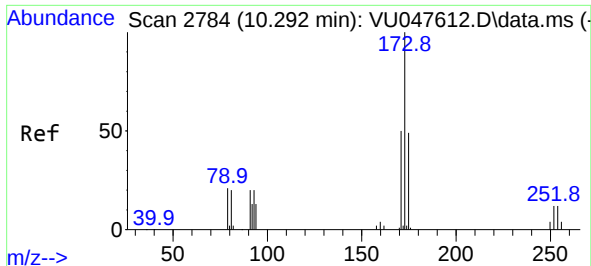
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#66
Styrene
Concen: 11.351 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

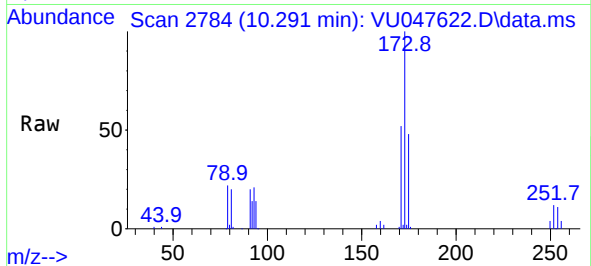
Tgt Ion:104 Resp: 278721
Ion Ratio Lower Upper
104 100
78 46.7 42.4 63.6
103 56.3 44.2 66.4





#67
Bromoform
Concen: 10.427 ug/l
RT: 10.291 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

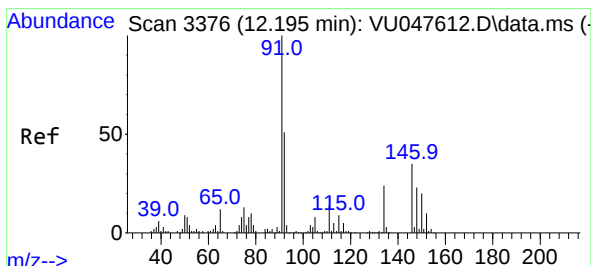
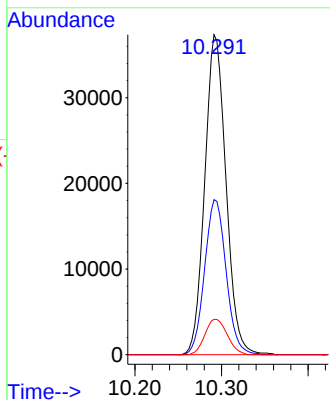
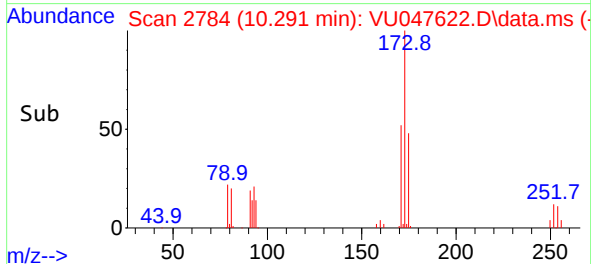
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



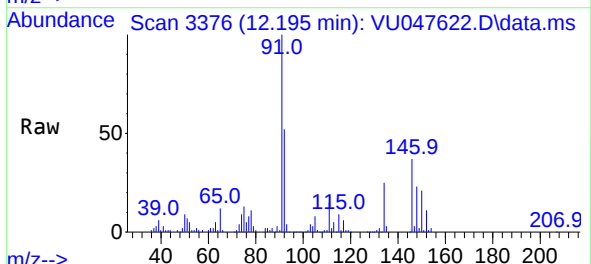
Tgt Ion:173 Resp: 63610
Ion Ratio Lower Upper
173 100
175 49.0 39.0 58.4
254 11.6 5.5 8.3

Manual Integrations
APPROVED

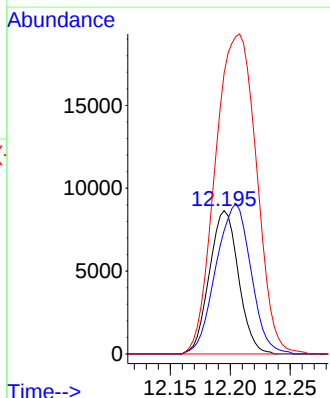
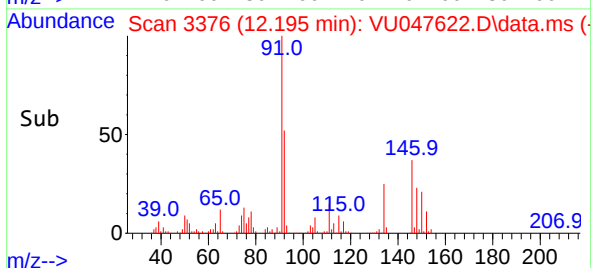
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

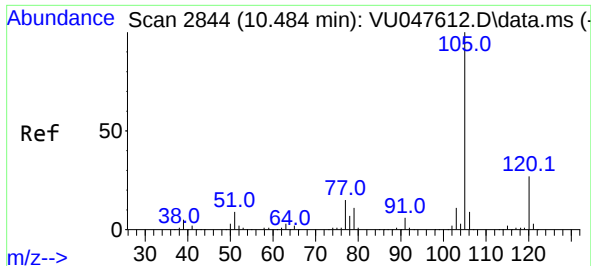


#68
1,2-Dichlorobenzene-d4
Concen: 1.038 ug/l
RT: 12.195 min Scan# 3376
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40



Tgt Ion:152 Resp: 14588
Ion Ratio Lower Upper
152 100
115 126.0 0.0 251.0
150 315.7 0.0 613.8





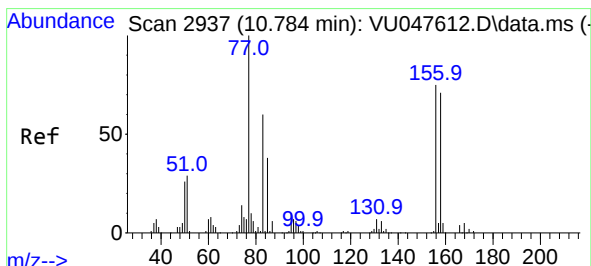
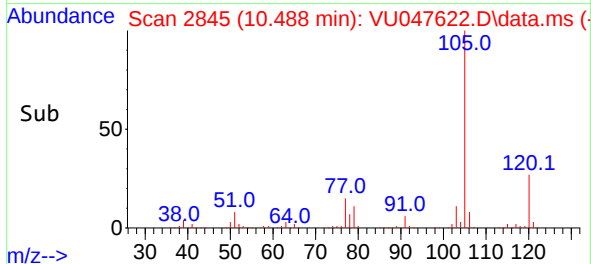
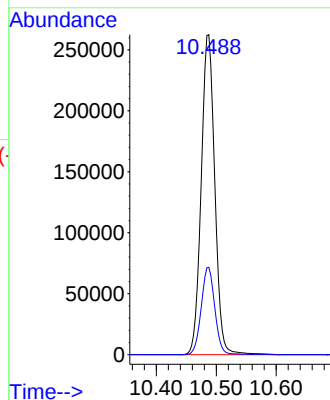
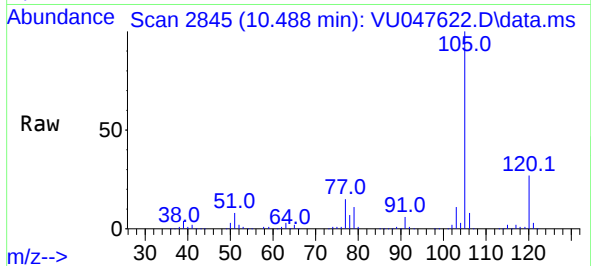
#69
Isopropylbenzene
Concen: 11.004 ug/l
RT: 10.488 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 414810
Ion Ratio Lower Upper
105 100
120 27.3 12.8 38.4

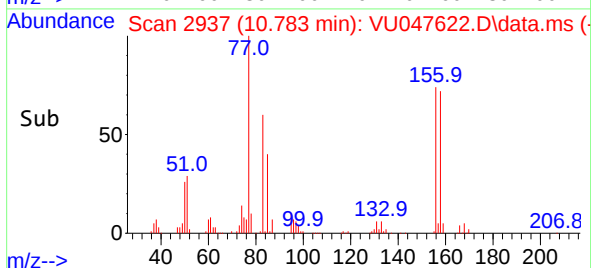
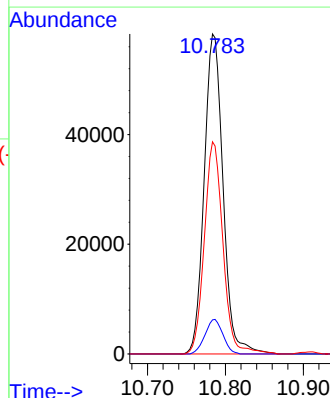
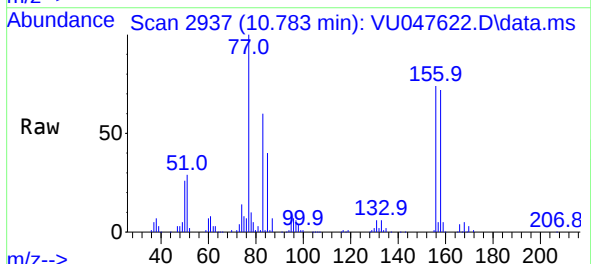
Manual Integrations
APPROVED

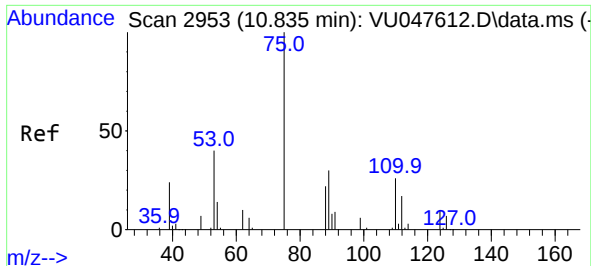
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#70
1,1,2,2-Tetrachloroethane
Concen: 10.138 ug/l
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

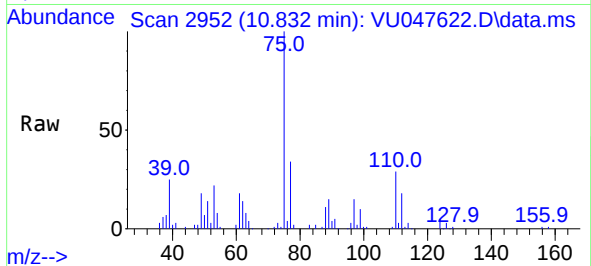
Tgt Ion: 83 Resp: 97998
Ion Ratio Lower Upper
83 100
131 10.3 7.6 11.4
85 65.5 50.9 76.3





#71
1,2,3-Trichloropropane
Concen: 10.055 ug/l m
RT: 10.832 min Scan# 2953
Delta R.T. -0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

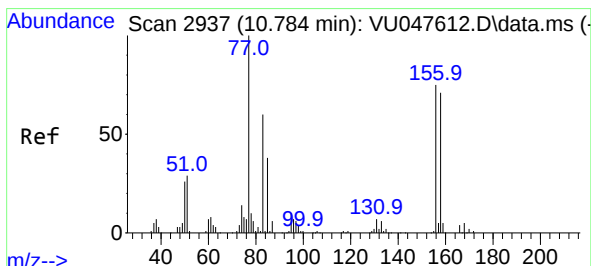
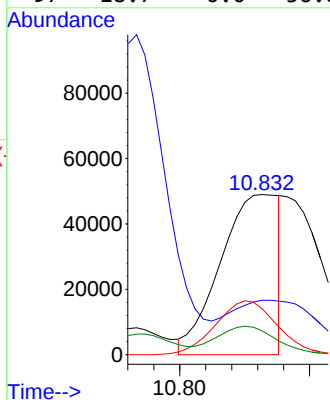
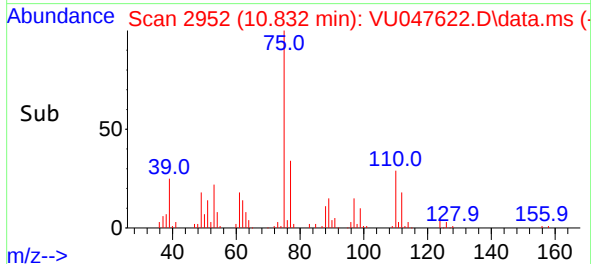
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



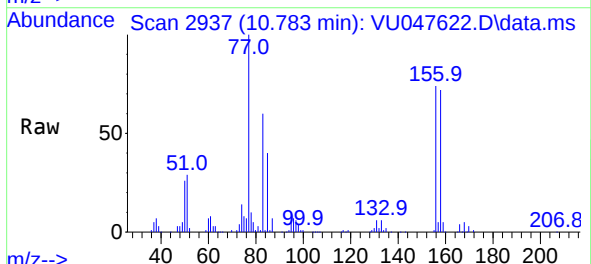
Tgt Ion: 75 Resp: 76730
Ion Ratio Lower Upper
75 100
77 51.8 0.0 105.6
110 35.7 0.0 71.2
97 18.7 0.0 36.8

Manual Integrations
APPROVED

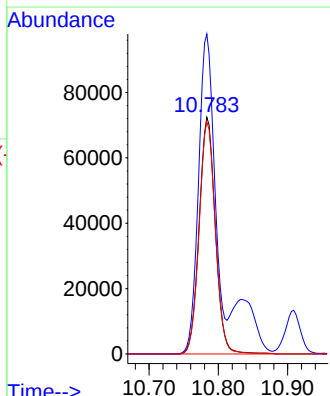
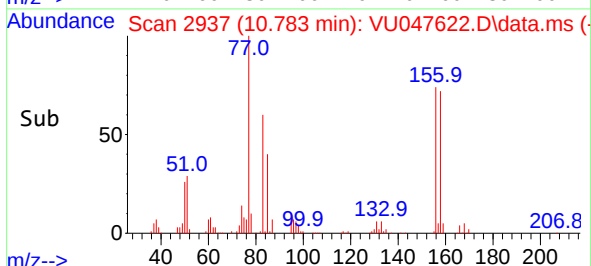
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

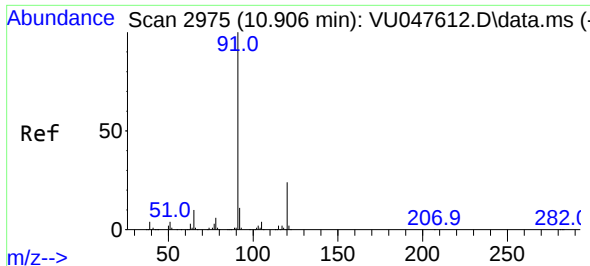


#72
Bromobenzene
Concen: 10.416 ug/l
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40



Tgt Ion:156 Resp: 117715
Ion Ratio Lower Upper
156 100
77 135.3 0.0 370.6
158 98.1 0.0 193.4





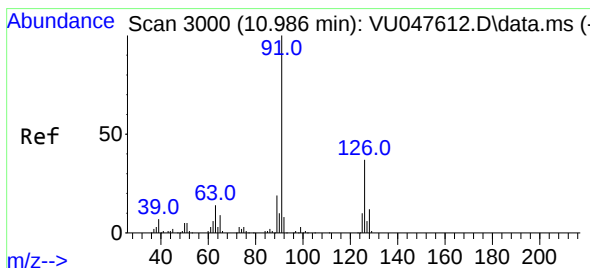
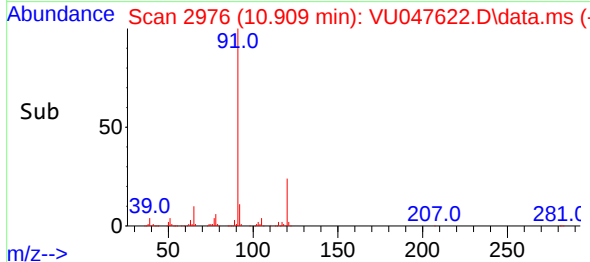
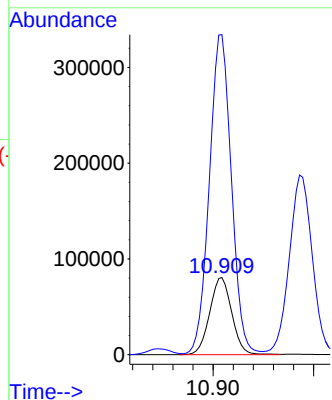
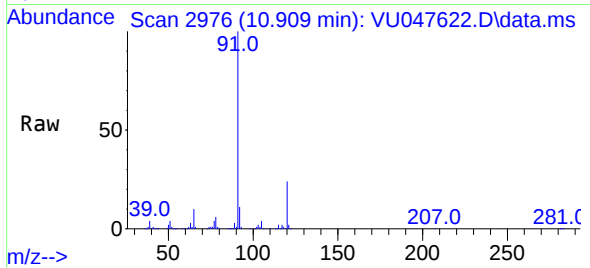
#73
n-propylbenzene
Concen: 11.210 ug/l
RT: 10.909 min Scan# 2975
Delta R.T. 0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:120 Resp: 122632
Ion Ratio Lower Upper
120 100
91 416.6 370.7 556.1

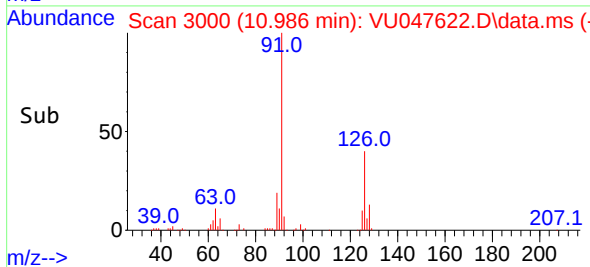
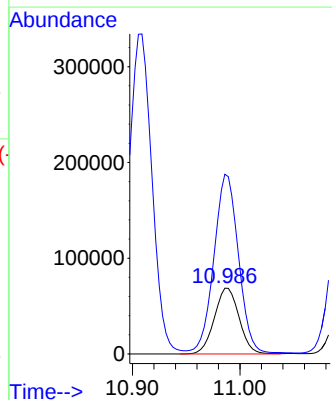
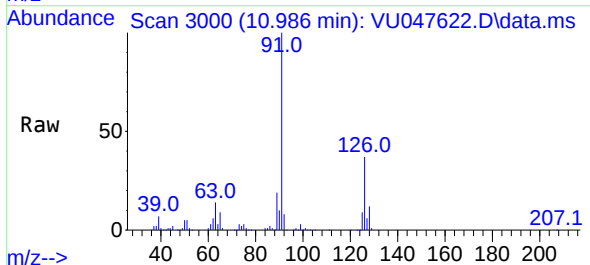
Manual Integrations
APPROVED

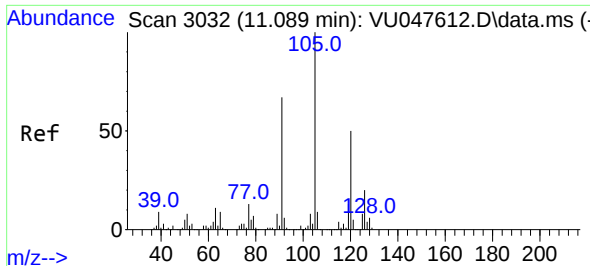
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#74
2-Chlorotoluene
Concen: 10.946 ug/l
RT: 10.986 min Scan# 3000
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Tgt Ion:126 Resp: 109970
Ion Ratio Lower Upper
126 100
91 273.3 0.0 639.6





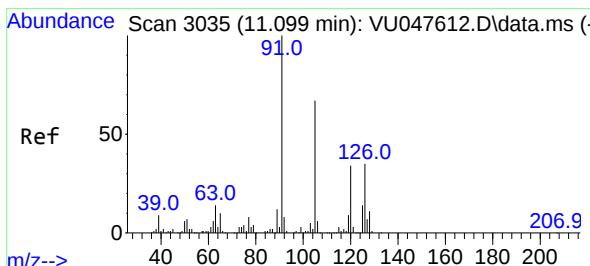
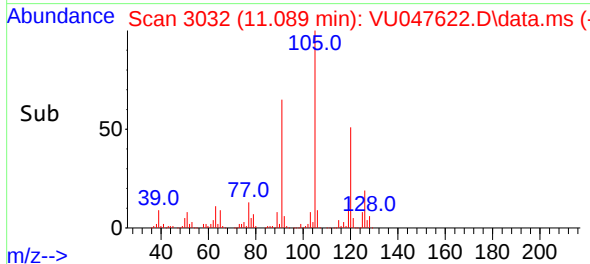
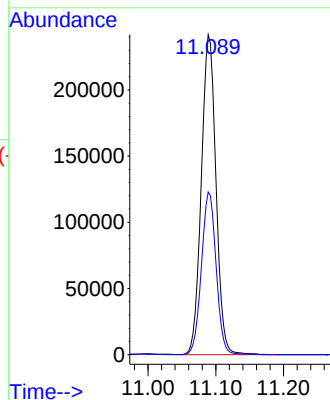
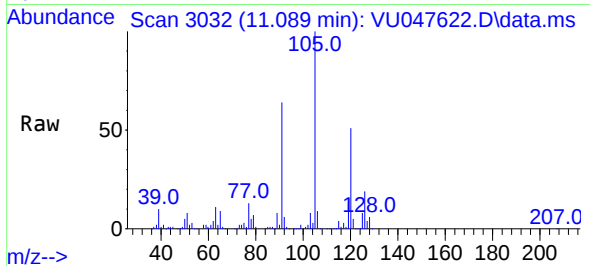
#75
1,3,5-Trimethylbenzene
Concen: 9.698 ug/l
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 363010
Ion Ratio Lower Upper
105 100
120 50.9 38.6 58.0

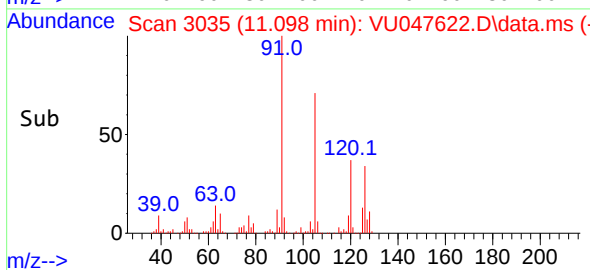
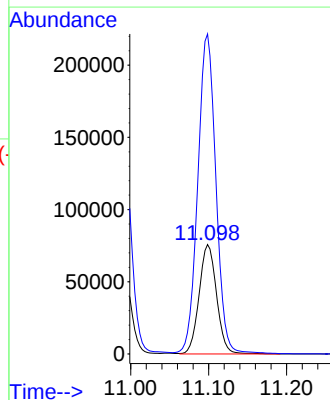
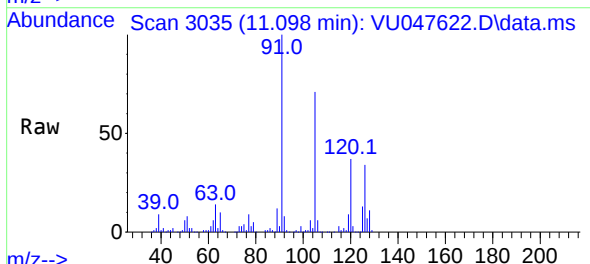
Manual Integrations
APPROVED

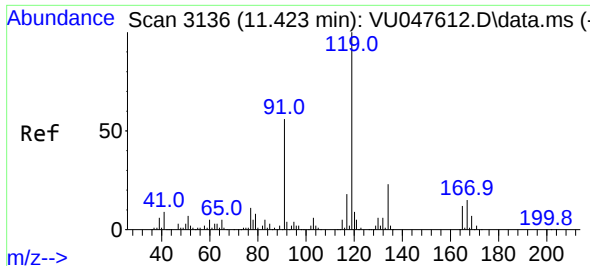
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#76
4-Chlorotoluene
Concen: 11.028 ug/l
RT: 11.098 min Scan# 3035
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Tgt Ion:126 Resp: 117892
Ion Ratio Lower Upper
126 100
91 304.9 0.0 728.0





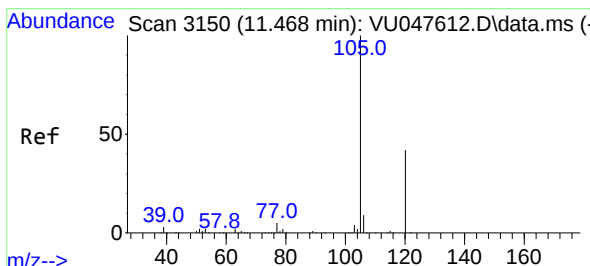
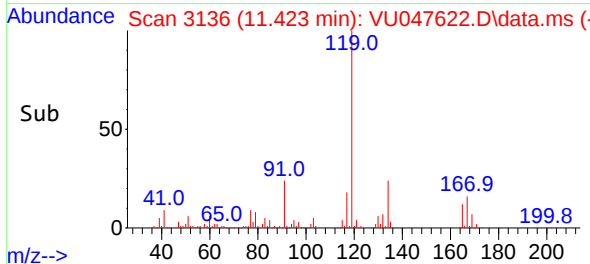
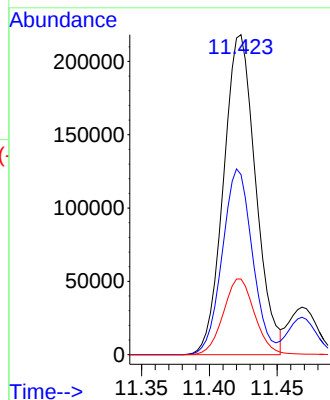
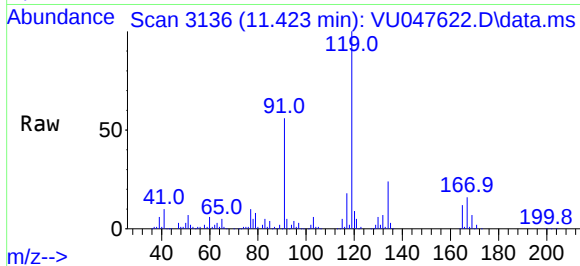
#77
tert-Butylbenzene
Concen: 10.965 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 360014
Ion Ratio Lower Upper
119 100
91 54.5 31.4 94.3
134 23.2 18.5 27.7

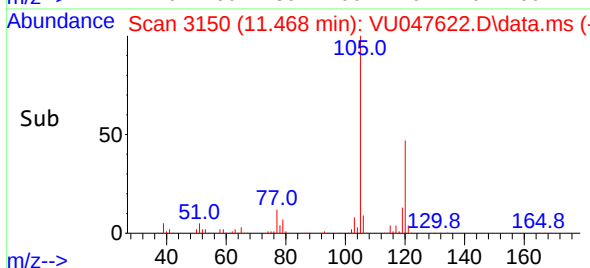
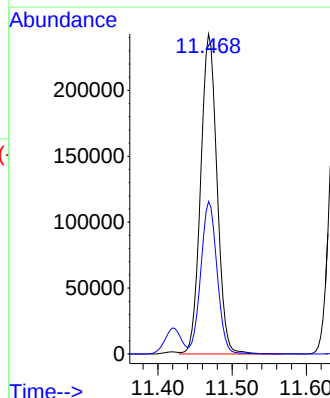
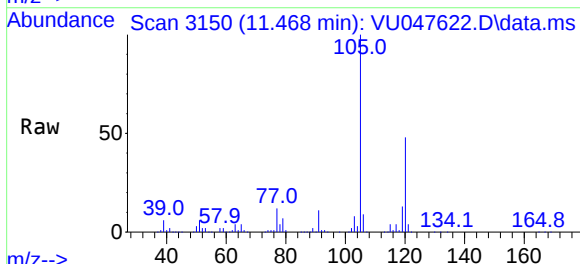
Manual Integrations
APPROVED

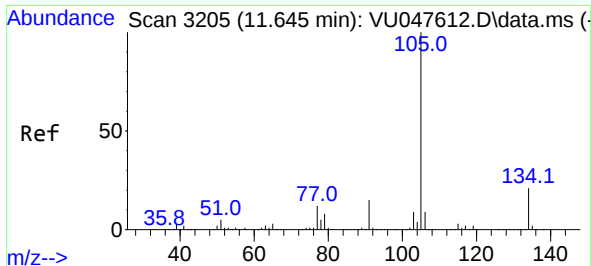
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#78
1,2,4-Trimethylbenzene
Concen: 9.689 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Tgt Ion:105 Resp: 370922
Ion Ratio Lower Upper
105 100
120 47.5 22.3 66.8





#79
 sec-Butylbenzene
 Concen: 11.102 ug/l
 RT: 11.645 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU047622.D
 Acq: 18 Mar 2022 18:40

Instrument :

MSVOA_U

ClientSampleId :

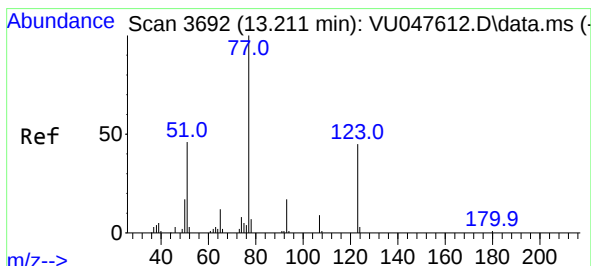
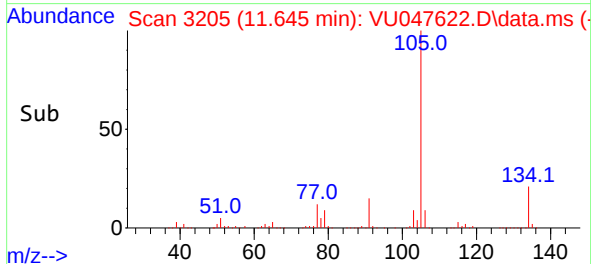
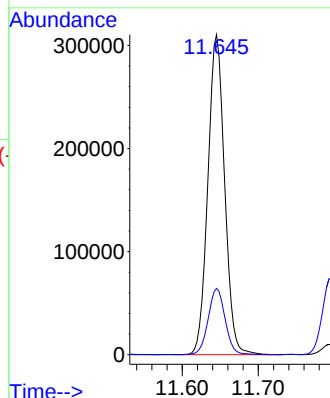
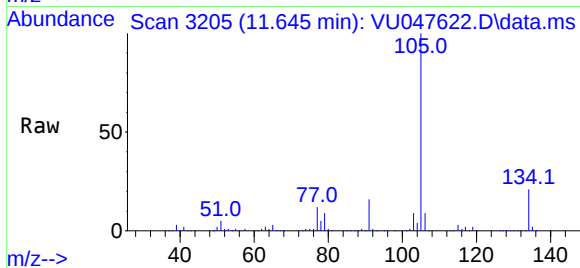
VSTDCCC010EC

Tgt Ion:105 Resp: 47511
 Ion Ratio Lower Upper
 105 100
 134 21.0 15.4 23.0

Manual Integrations

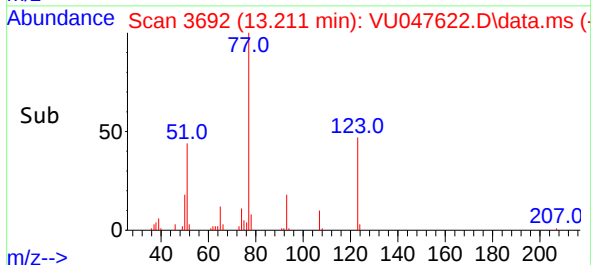
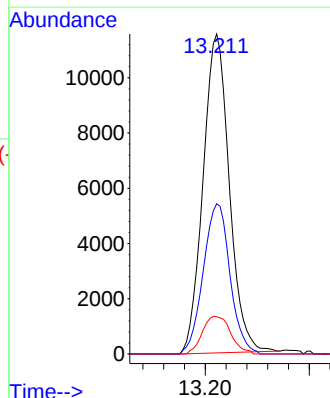
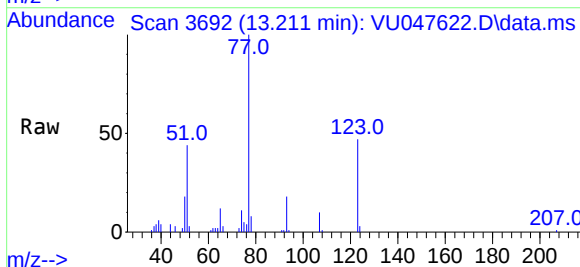
APPROVED

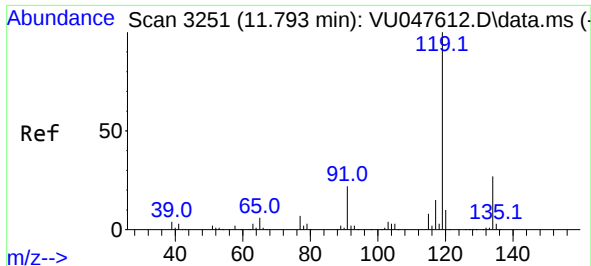
Reviewed By :John Carlone 03/31/2022
 Supervised By :Mahesh Dadoda 03/31/2022



#80
 Nitrobenzene
 Concen: 51.175 ug/l
 RT: 13.211 min Scan# 3692
 Delta R.T. -0.000 min
 Lab File: VU047622.D
 Acq: 18 Mar 2022 18:40

Tgt Ion: 77 Resp: 20201
 Ion Ratio Lower Upper
 77 100
 123 48.0 18.2 64.4
 65 12.7 12.0 15.2





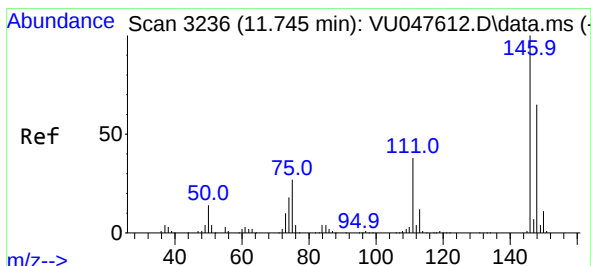
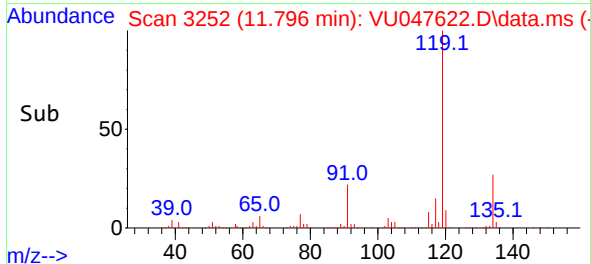
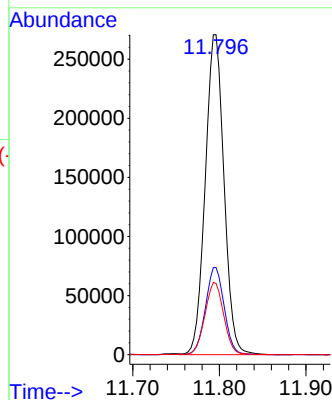
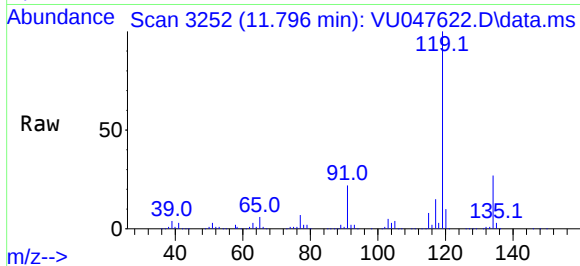
#81
p-Isopropyltoluene
Concen: 9.496 ug/l
RT: 11.796 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 407340
Ion Ratio Lower Upper
119 100
134 27.2 20.2 30.4
91 22.8 19.9 29.9

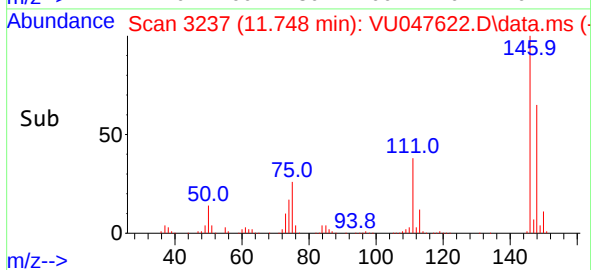
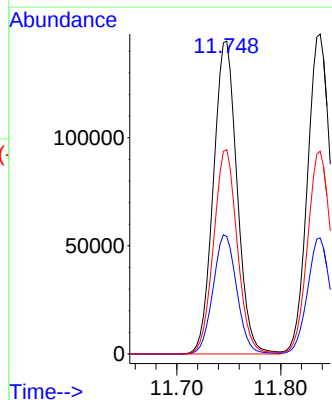
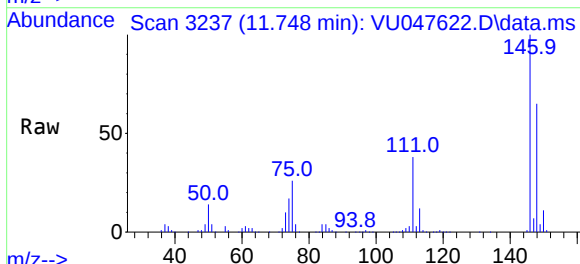
Manual Integrations
APPROVED

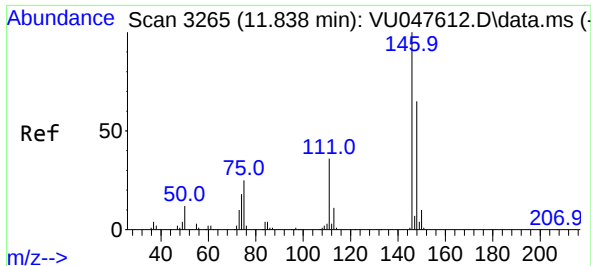
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#82
1,3-Dichlorobenzene
Concen: 10.291 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. 0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

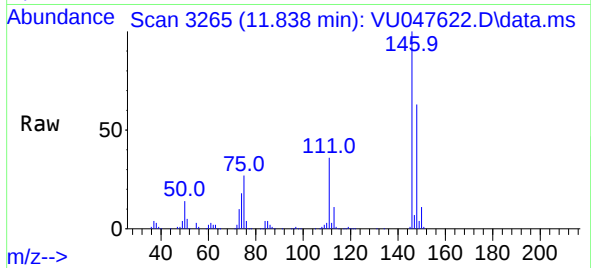
Tgt Ion:146 Resp: 229752
Ion Ratio Lower Upper
146 100
111 38.1 33.9 50.9
148 65.3 50.9 76.3





#83
1,4-Dichlorobenzene
Concen: 10.521 ug/l
RT: 11.838 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

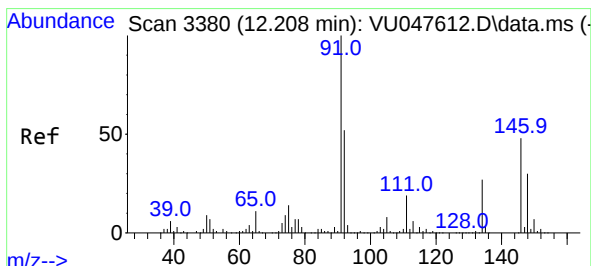
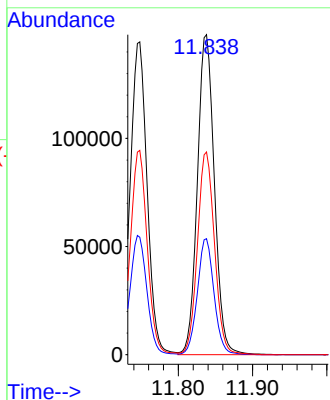
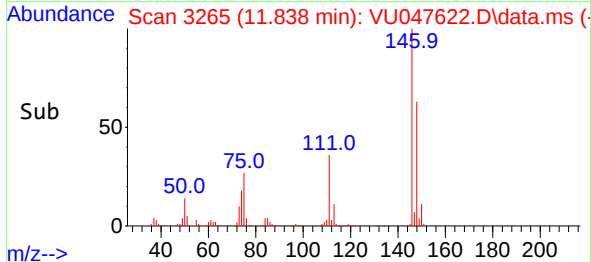
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



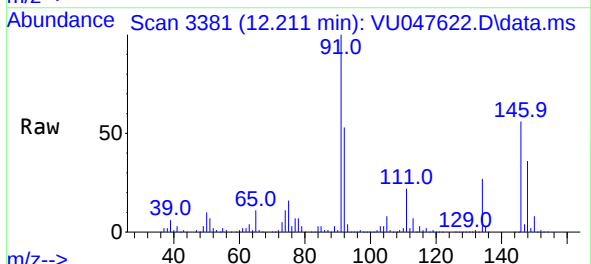
Tgt Ion:146 Resp: 236200
Ion Ratio Lower Upper
146 100
111 35.5 32.7 49.1
148 63.6 51.4 77.0

Manual Integrations
APPROVED

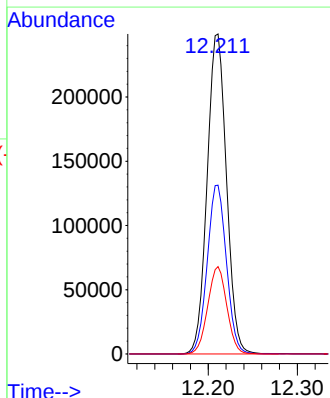
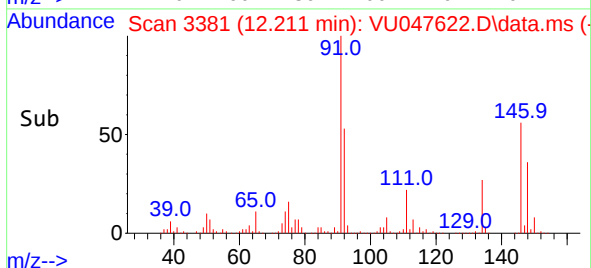
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

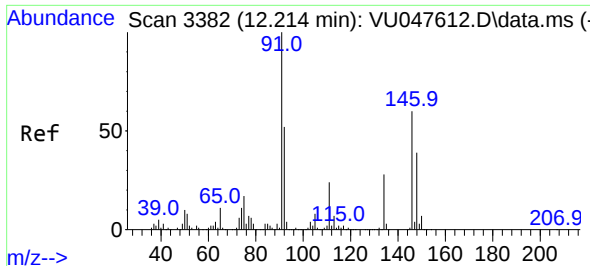


#84
n-Butylbenzene
Concen: 9.319 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40



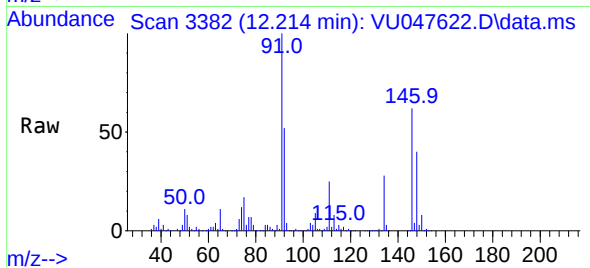
Tgt Ion: 91 Resp: 374982
Ion Ratio Lower Upper
91 100
92 52.3 43.5 65.3
134 26.9 19.0 28.4





#85
1,2-Dichlorobenzene
Concen: 10.524 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

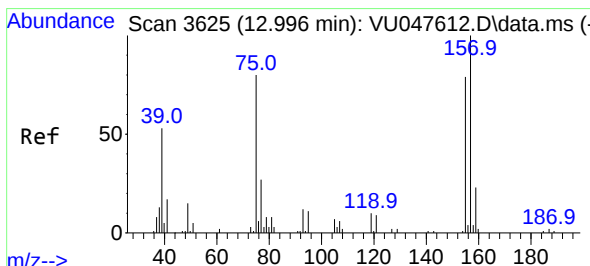
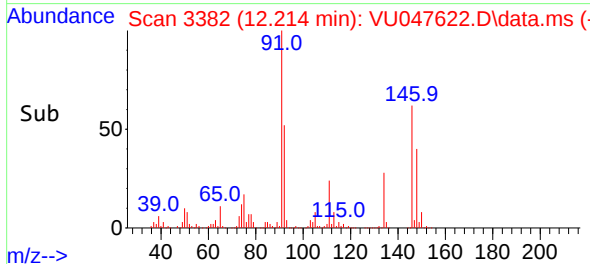
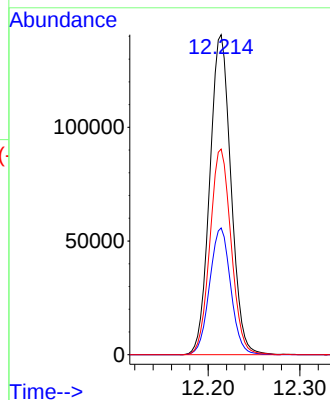
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



Tgt Ion:146 Resp: 225729
Ion Ratio Lower Upper
146 100
111 39.4 22.1 66.1
148 64.5 31.6 94.7

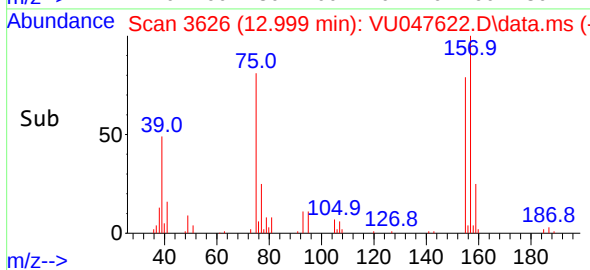
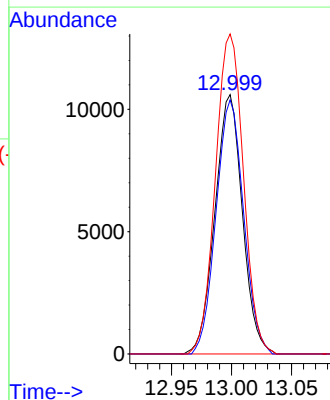
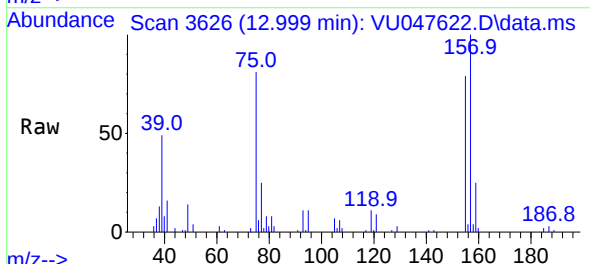
Manual Integrations
APPROVED

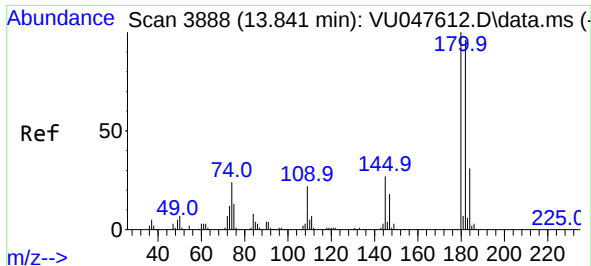
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#86
1,2-Dibromo-3-Chloropropane
Concen: 10.366 ug/l
RT: 12.999 min Scan# 3626
Delta R.T. 0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

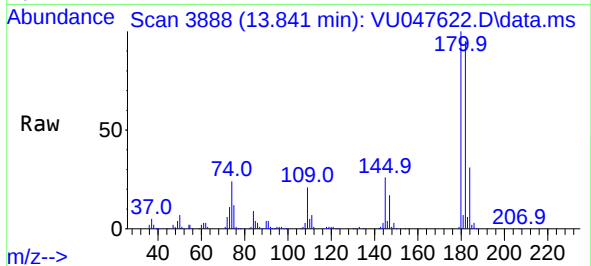
Tgt Ion: 75 Resp: 16899
Ion Ratio Lower Upper
75 100
155 98.1 57.8 86.8#
157 125.6 75.1 112.7#





#87
1,2,4-Trichlorobenzene
Concen: 10.861 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

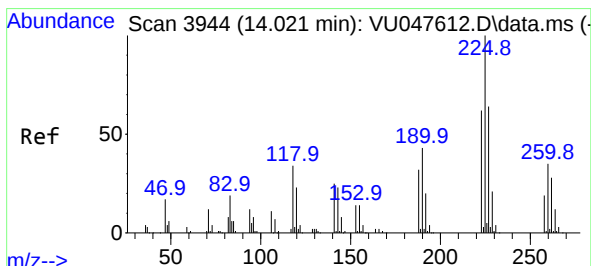
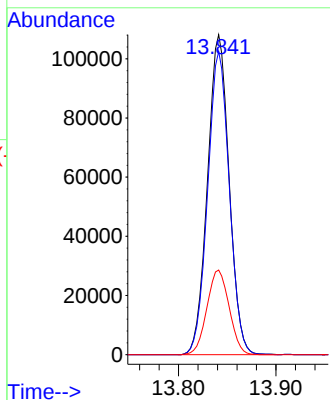
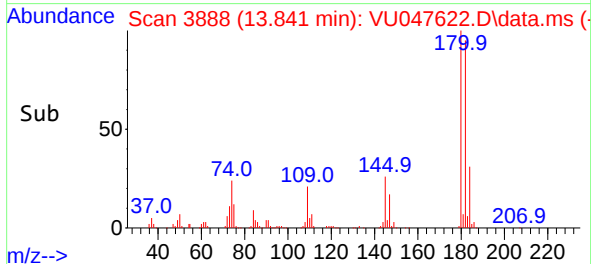
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



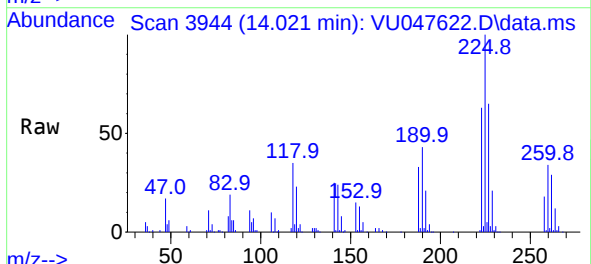
Tgt Ion:180 Resp: 166358
Ion Ratio Lower Upper
180 100
182 94.8 75.8 113.8
145 27.2 25.3 37.9

Manual Integrations
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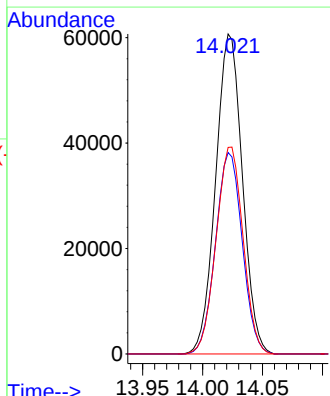
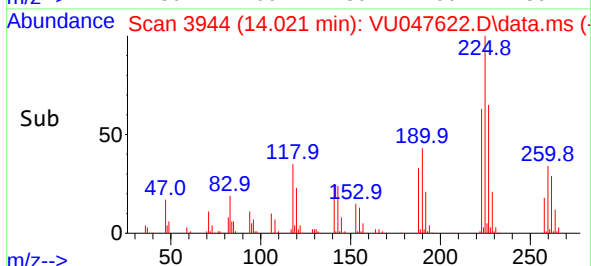
Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022

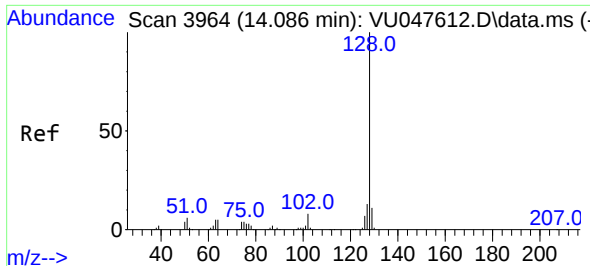


#88
Hexachlorobutadiene
Concen: 10.217 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40



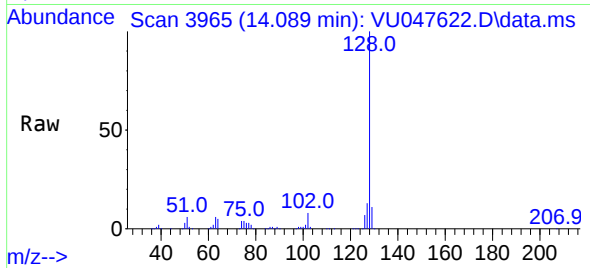
Tgt Ion:225 Resp: 93945
Ion Ratio Lower Upper
225 100
223 62.9 51.1 76.7
227 65.3 49.9 74.9





#89
Naphthalene
Concen: 10.958 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

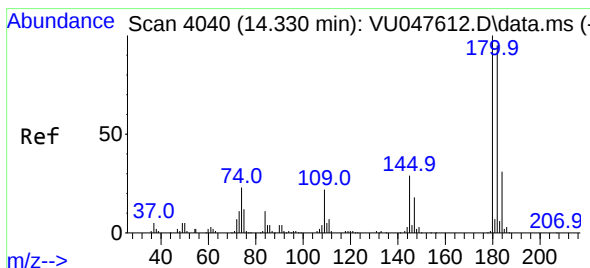
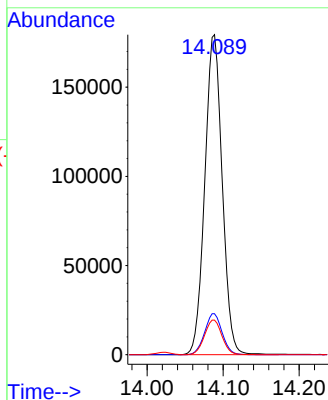
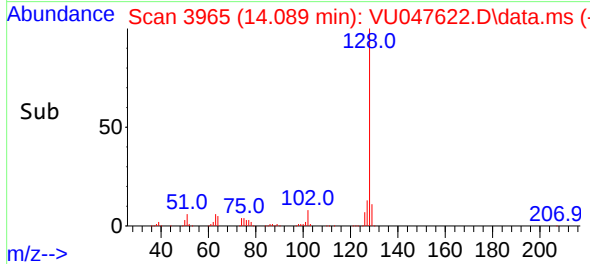
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC



Tgt Ion:128 Resp: 285099
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.9 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/31/2022
Supervised By :Mahesh Dadoda 03/31/2022



#90
1,2,3-Trichlorobenzene
Concen: 11.012 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU047622.D
Acq: 18 Mar 2022 18:40

Tgt Ion:180 Resp: 158997
Ion Ratio Lower Upper
180 100
182 95.3 75.4 113.0
145 28.9 27.0 40.4

