

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021023\
 Data File : VN076603.D
 Acq On : 10 Feb 2023 12:09
 Operator : JC\MD
 Sample : VN0210WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/13/2023
 Supervised By : Mahesh Dadoda 02/13/2023

Quant Time: Feb 11 00:54:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020923W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:40:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.828	128	29599	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	210342	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.868	117	237286	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.586	65	103144	29.566	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.567%		
60) 4-Bromofluorobenzene	12.851	95	144596	26.992	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	89.967%		
63) Toluene-d8	10.569	98	248828	28.559	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.140	85	82853	20.224	ug/l	99
3) Chloromethane	2.375	50	82450	16.738	ug/l	98
4) Vinyl Chloride	2.528	62	70681	16.433	ug/l	99
5) Bromomethane	2.963	94	40357	18.690	ug/l	87
6) Chloroethane	3.128	64	39128	17.339	ug/l	# 86
7) Trichlorofluoromethane	3.510	101	136101	18.635	ug/l	92
8) Diethyl Ether	3.975	74	46070	19.888	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.392	101	72307	20.567	ug/l	75
10) 1,1-Dichloroethene	4.357	96	63164	19.119	ug/l	84
11) Methyl Iodide	4.604	142	93393	19.457	ug/l	79
12) Methyl Acetate	5.034	43	129695	18.707	ug/l	97
13) Acrolein	4.192	56	91154	102.650	ug/l	97
14) Acrylonitrile	5.728	53	196647	96.813	ug/l	99
15) Acetone	4.440	58	56209m	95.842	ug/l	
16) Carbon Disulfide	4.722	76	178818	19.694	ug/l	97
17) Allyl chloride	5.039	41	133181m	20.910	ug/l	
18) Methylene Chloride	5.292	84	74913	19.162	ug/l	95
19) trans-1,2-Dichloroethene	5.798	96	66654	19.639	ug/l	86
20) Diisopropyl ether	6.686	45	264775	18.212	ug/l	90
21) 1,1-Dichloroethane	6.575	63	146218	18.443	ug/l	# 97
22) cis-1,2-Dichloroethene	7.492	96	83167	20.451	ug/l	93
23) tert-Butyl Alcohol	5.539	59	69307	101.684	ug/l	# 100
24) Methyl tert-Butyl Ether	5.810	73	241043	20.258	ug/l	93
25) Chloroform	7.975	83	144916	18.473	ug/l	97
26) Cyclohexane	8.263	56	127946	18.187	ug/l	# 95
29) 1,1-Dichloropropene	8.375	75	106282	19.521	ug/l	96
30) 2-Butanone	7.492	43	282712	96.198	ug/l	96
31) 2,2-Dichloropropane	7.498	77	115565	20.443	ug/l	# 73
32) 1,1,1-Trichloroethane	8.175	97	132758	19.653	ug/l	99
33) Carbon Tetrachloride	8.369	117	113415	19.462	ug/l	96
34) Benzene	8.610	78	309252	18.486	ug/l	# 91
35) Methacrylonitrile	7.786	41	68049	20.138	ug/l	90
36) 1,2-Dichloroethane	8.675	62	125656	19.587	ug/l	98
37) Trichloroethene	9.357	130	69310	20.235	ug/l	89
38) Methylcyclohexane	9.610	83	124222	20.613	ug/l	93
39) 1,2-Dichloropropane	9.627	63	80578	20.184	ug/l	98
40) Dibromomethane	9.710	93	52351	19.933	ug/l	96
41) Bromodichloromethane	9.892	83	116146	21.032	ug/l	# 98
42) Vinyl Acetate	6.616	43	919880m	96.230	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.569	43	118885m	19.839	ug/l	
44) Isopropyl Acetate	8.698	43	185623	18.831	ug/l	98
45) 1,4-Dioxane	9.698	88	33381	415.415	ug/l	90
46) Methyl methacrylate	9.686	41	94651	19.915	ug/l	82
47) n-amyl Acetate	12.498	43	163974	19.570	ug/l	93
48) t-1,3-Dichloropropene	10.839	75	115286	20.739	ug/l	99
49) cis-1,3-Dichloropropene	10.316	75	125291	20.389	ug/l	91
50) 1,1,2-Trichloroethane	11.021	97	71880	20.152	ug/l	95
51) Ethyl methacrylate	10.874	69	115331	20.363	ug/l	87
52) 1,3-Dichloropropane	11.169	76	130826	19.676	ug/l	98
53) Dibromochloromethane	11.363	129	77879	21.012	ug/l	96
54) 1,2-Dibromoethane	11.468	107	72029	19.956	ug/l	98
55) 2-Chloroethyl vinyl ether	10.163	63	268858	103.927	ug/l	98
56) Bromoform	12.580	173	49787	20.857	ug/l	100
58) 4-Methyl-2-Pentanone	10.445	43	586475	88.414	ug/l	96
59) 2-Hexanone	11.198	43	434487	90.088	ug/l	95
61) Tetrachloroethene	11.104	164	56438	18.607	ug/l	95
62) Toluene	10.633	91	316405	17.985	ug/l	97
64) Chlorobenzene	11.892	112	189707	18.615	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.963	131	71407	18.482	ug/l	99
66) Ethyl Benzene	11.968	91	358907	18.609	ug/l	100
67) m/p-Xylenes	12.074	106	265877	36.742	ug/l	90
68) o-Xylene	12.404	106	133498	18.726	ug/l	94
69) Styrene	12.415	104	214058	18.917	ug/l	94
70) Isopropylbenzene	12.698	105	354750	18.569	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.945	83	110404	16.575	ug/l	97
72) 1,2,3-Trichloropropane	12.998	75	109312m	17.969	ug/l	
73) Bromobenzene	12.980	156	76102	16.787	ug/l	97
74) n-propylbenzene	13.039	91	410640	16.759	ug/l	100
75) 2-Chlorotoluene	13.127	91	264175	17.139	ug/l	95
76) 1,3,5-Trimethylbenzene	13.174	105	302974	16.983	ug/l	98
77) t-1,4-Dichloro-2-butene	12.739	75	32353	17.632	ug/l	76
78) 4-Chlorotoluene	13.227	91	257921	16.642	ug/l	93
79) tert-butylbenzene	13.439	119	262024	17.304	ug/l	90
80) 1,2,4-Trimethylbenzene	13.486	105	303645	17.259	ug/l	96
81) sec-Butylbenzene	13.621	105	359007	16.932	ug/l	100
82) p-Isopropyltoluene	13.733	119	301502	17.697	ug/l	95
83) 1,3-Dichlorobenzene	13.733	146	144473	17.230	ug/l	97
84) 1,4-Dichlorobenzene	13.815	146	138057	16.503	ug/l	96
85) n-Butylbenzene	14.062	91	256955	16.241	ug/l	99
86) Hexachloroethane	14.333	117	54271	16.406	ug/l	96
87) 1,2-Dichlorobenzene	14.109	146	144809	15.733	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.721	75	24661	18.164	ug/l	82
89) 1,2,4-Trichlorobenzene	15.398	180	75146	19.576	ug/l	96
90) Hexachlorobutadiene	15.504	225	37665	20.310	ug/l	100
91) Naphthalene	15.645	128	253389	19.346	ug/l	99
92) 1,2,3-Trichlorobenzene	15.845	180	76883	20.067	ug/l	98

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

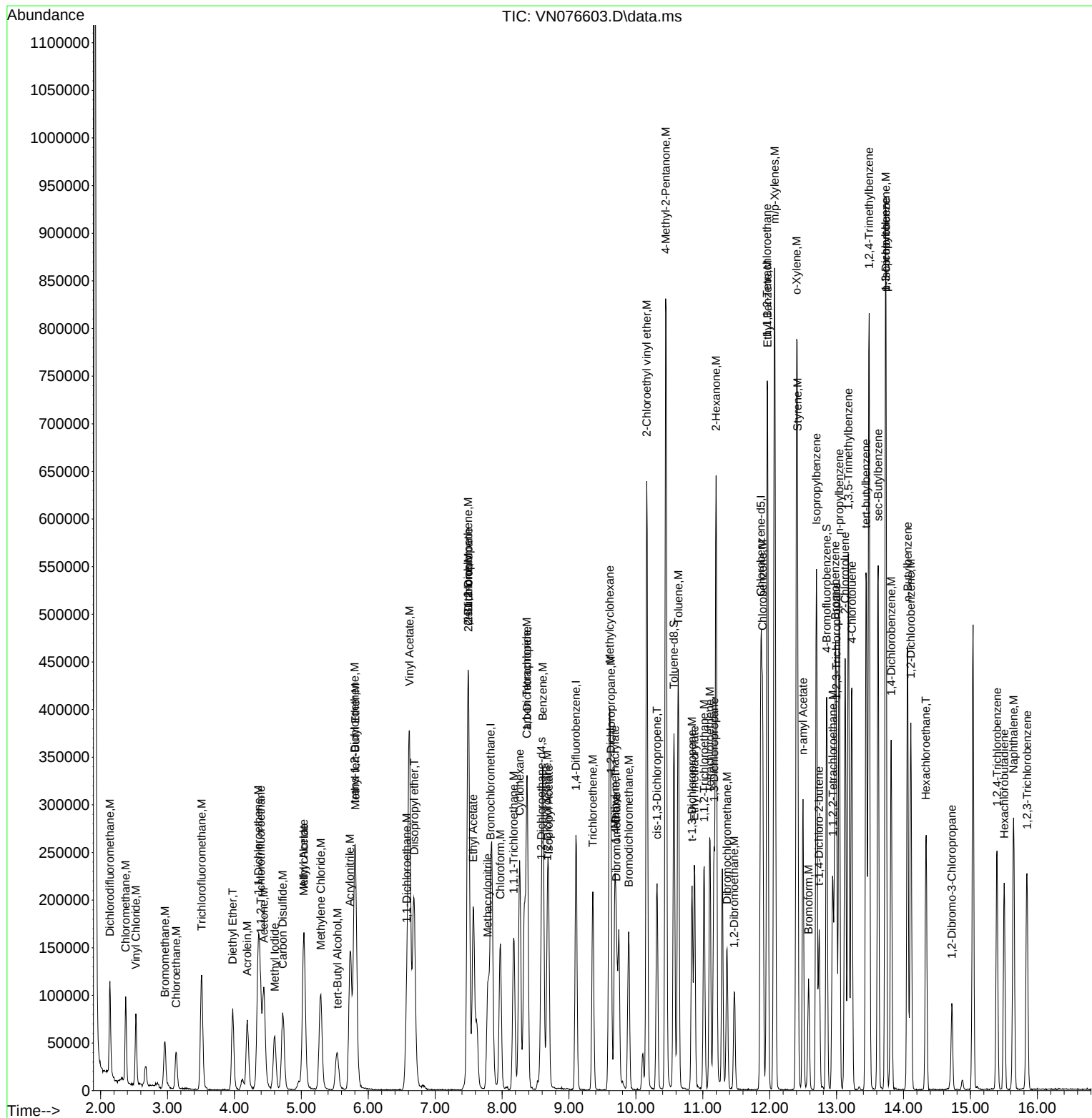
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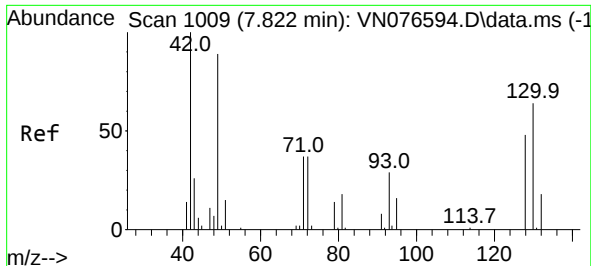
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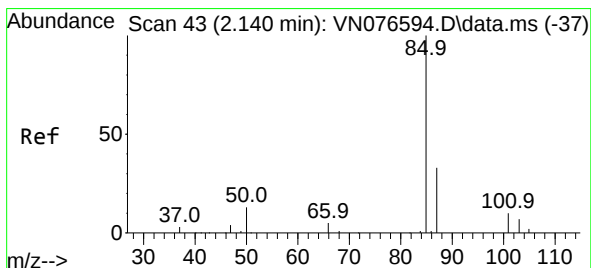
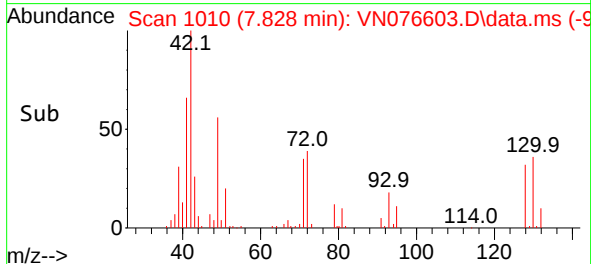
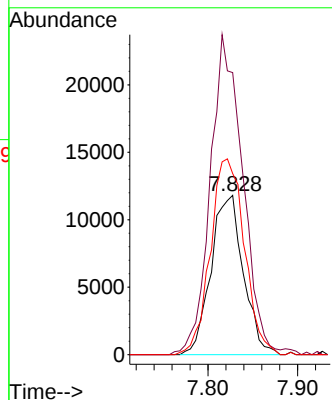
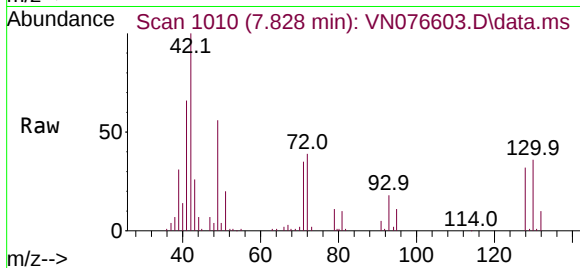
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.828 min Scan# 1009
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion:128 Resp: 2959
Ion Ratio Lower Upper
128 100
49 200.3 0.0 492.0
130 129.3 0.0 313.3

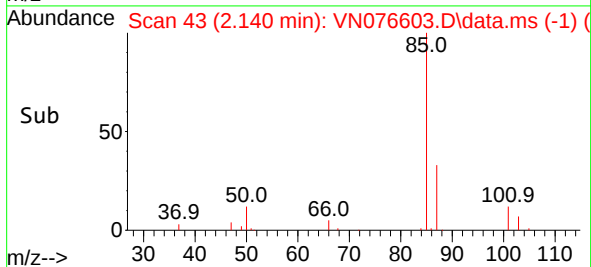
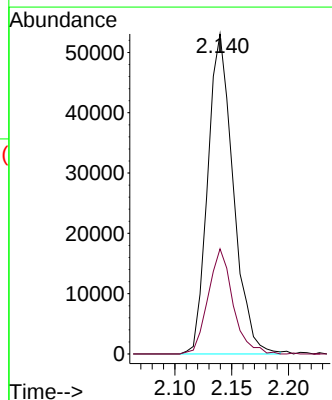
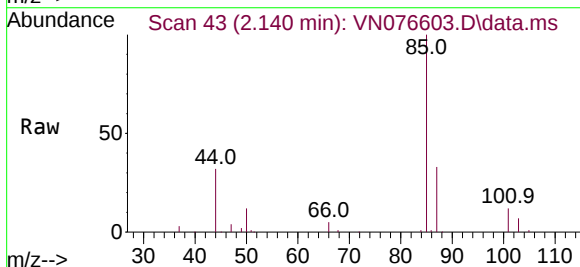
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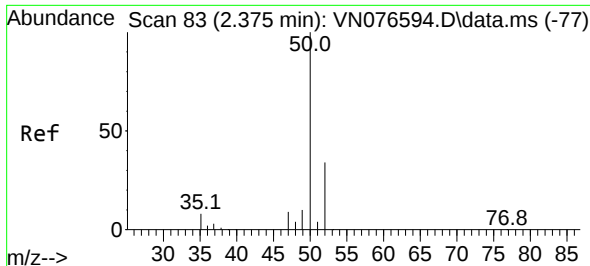
Reviewed By :John Carlone 02/13/2023
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#2
Dichlorodifluoromethane
Concen: 20.224 ug/l
RT: 2.140 min Scan# 43
Delta R.T. -0.008 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

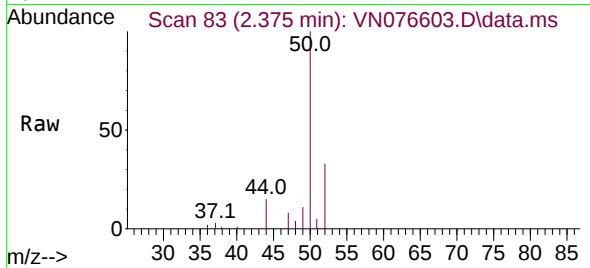
Tgt Ion: 85 Resp: 82853
Ion Ratio Lower Upper
85 100
87 32.9 16.7 50.1





#3
Chloromethane
Concen: 16.738 ug/l
RT: 2.375 min Scan# 83
Delta R.T. -0.008 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

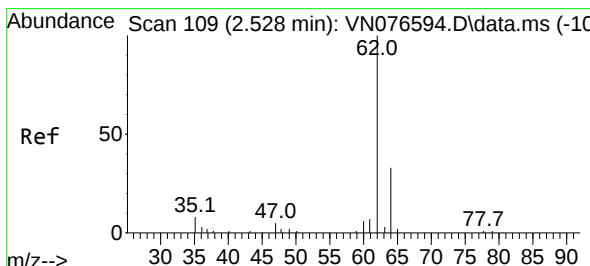
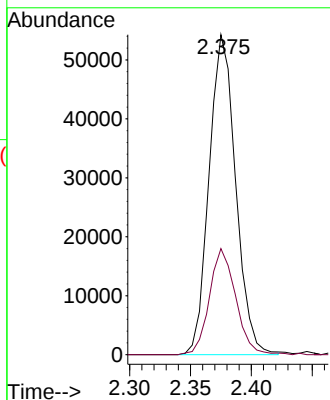
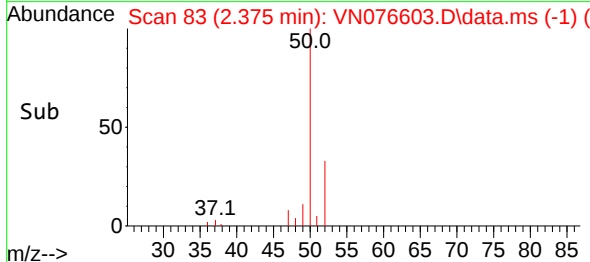
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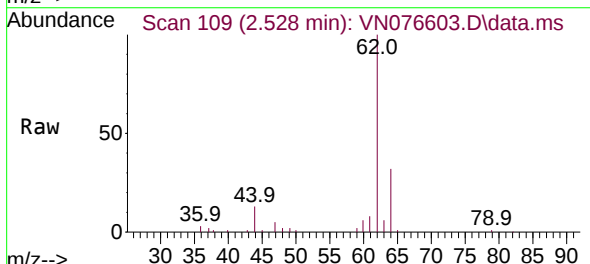
Tgt Ion: 50 Resp: 82450
Ion Ratio Lower Upper
50 100
52 33.1 25.5 38.3

Manual Integrations
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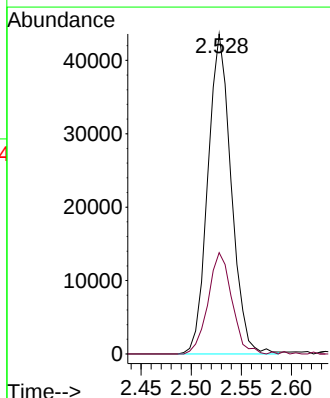
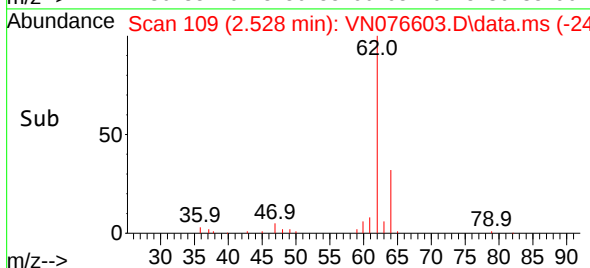
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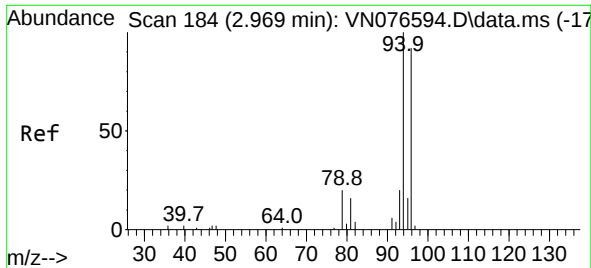


#4
Vinyl Chloride
Concen: 16.433 ug/l
RT: 2.528 min Scan# 109
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



Tgt Ion: 62 Resp: 70681
Ion Ratio Lower Upper
62 100
64 31.7 25.6 38.4





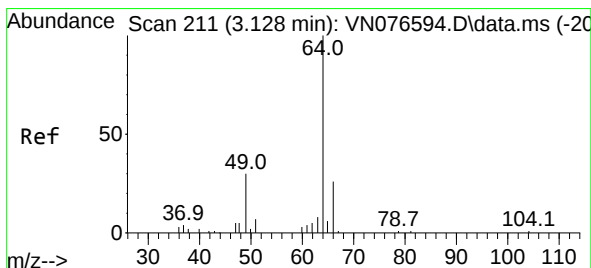
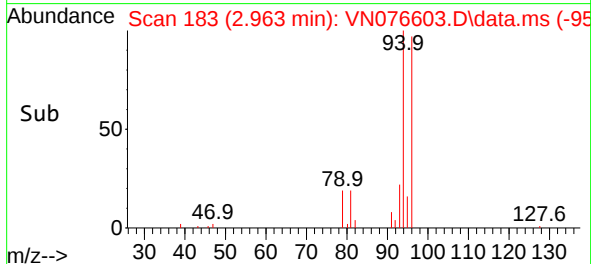
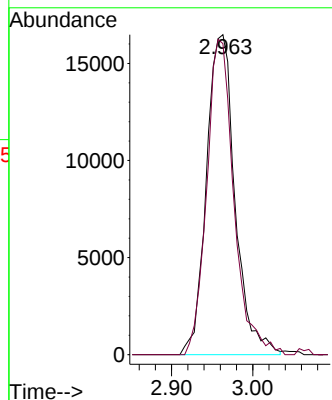
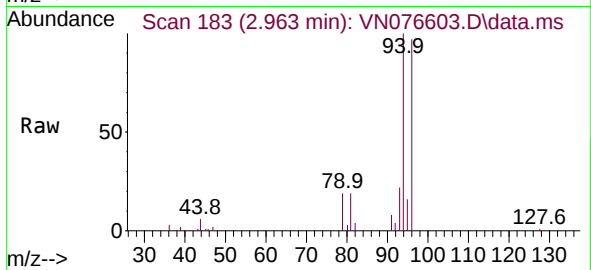
#5
Bromomethane
Concen: 18.690 ug/l
RT: 2.963 min Scan# 184
Delta R.T. 0.015 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Instrument :
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Tgt Ion: 94 Resp: 4035
Ion Ratio Lower Upper
94 100
96 97.2 68.3 102.5

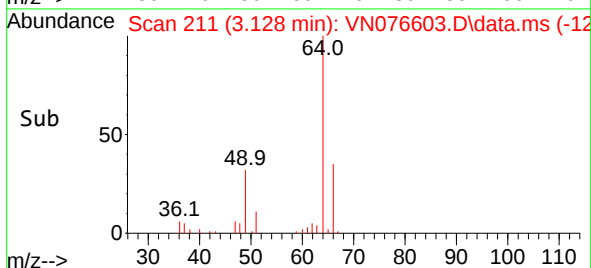
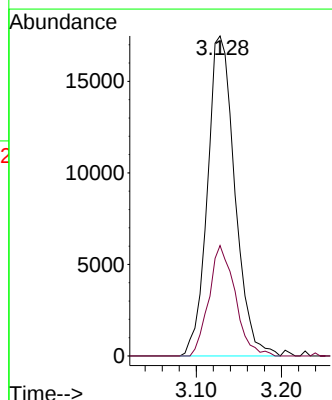
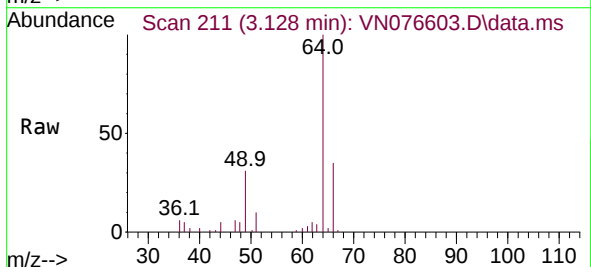
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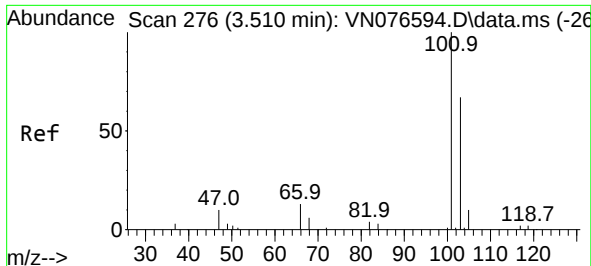
Reviewed By :John Carlone 02/13/2023
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#6
Chloroethane
Concen: 17.339 ug/l
RT: 3.128 min Scan# 211
Delta R.T. 0.004 min
Lab File: VN076603.D
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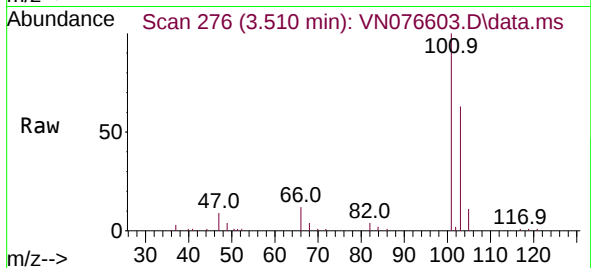
Tgt Ion: 64 Resp: 39128
Ion Ratio Lower Upper
64 100
66 34.5 21.8 32.8#





#7
Trichlorofluoromethane
Concen: 18.635 ug/l
RT: 3.510 min Scan# 276
Delta R.T. 0.004 min
Lab File: VN076603.D
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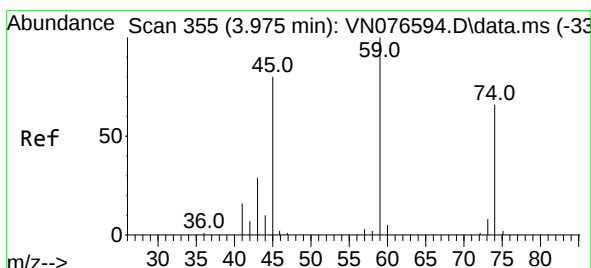
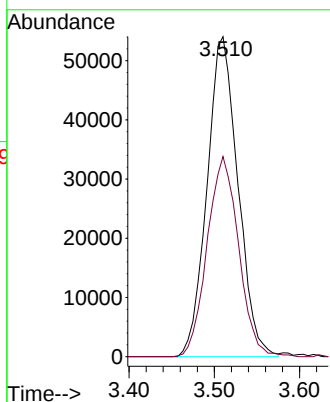
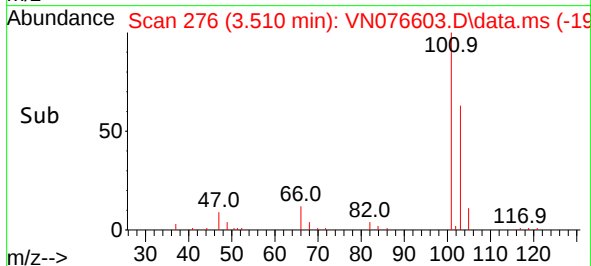
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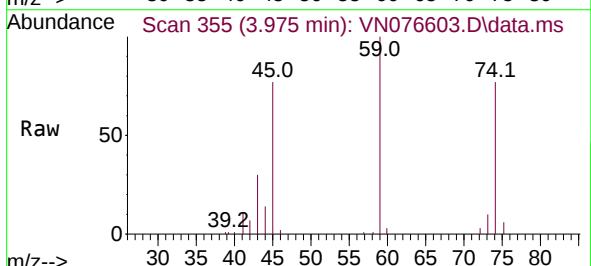
Tgt Ion:101 Resp: 13610
Ion Ratio Lower Upper
101 100
103 62.3 54.8 82.2

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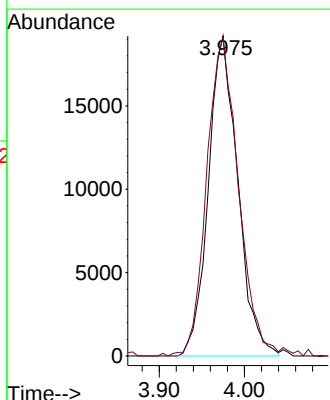
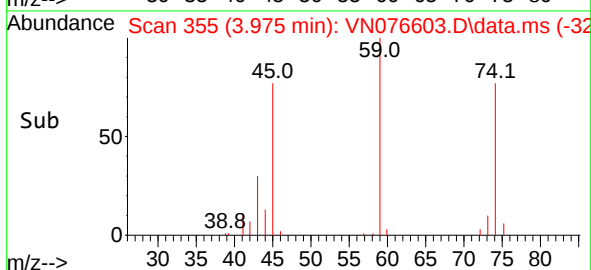
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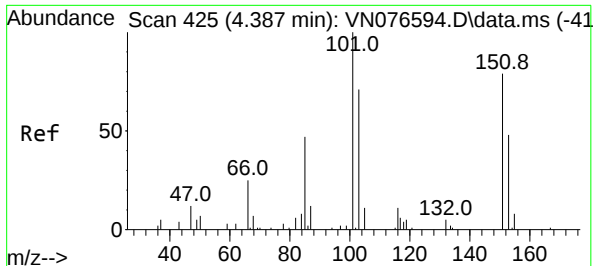


#8
Diethyl Ether
Concen: 19.888 ug/l
RT: 3.975 min Scan# 355
Delta R.T. -0.014 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



Tgt Ion: 74 Resp: 46070
Ion Ratio Lower Upper
74 100
45 106.2 19.0 171.0





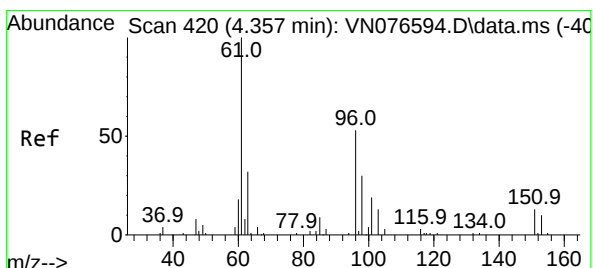
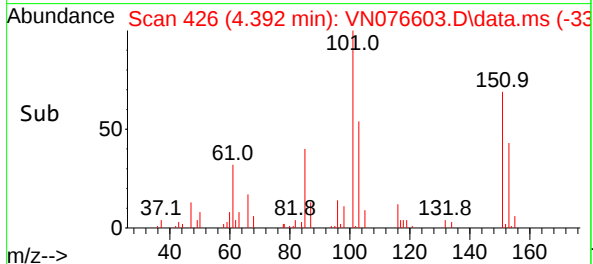
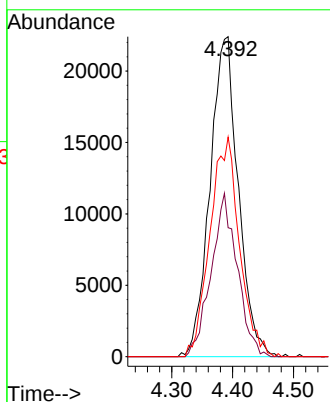
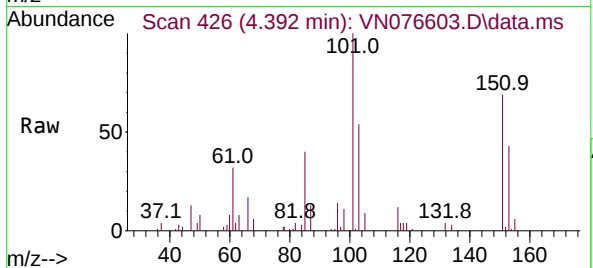
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.567 ug/l
RT: 4.392 min Scan# 41
Delta R.T. 0.009 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion:101 Resp: 7230
Ion Ratio Lower Upper
101 100
85 47.0 0.0 94.6
151 38.4 0.0 144.8

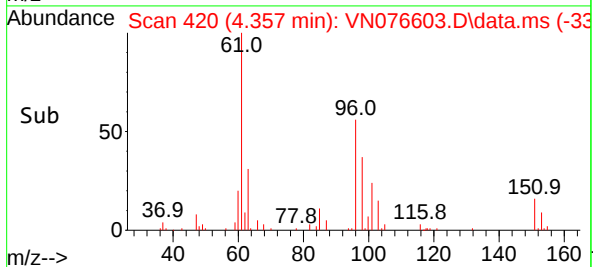
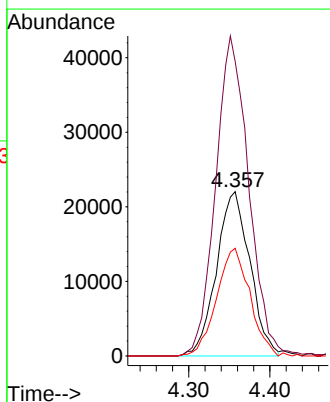
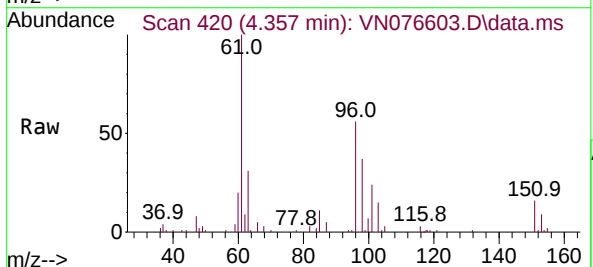
Manual Integrations
APPROVED

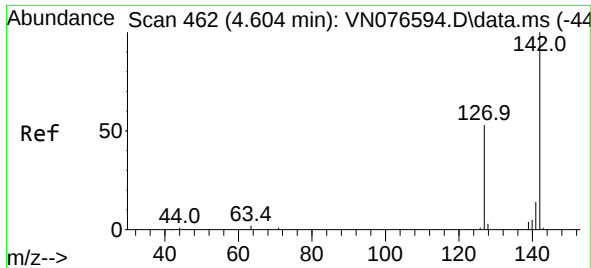
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#10
1,1-Dichloroethene
Concen: 19.119 ug/l
RT: 4.357 min Scan# 420
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

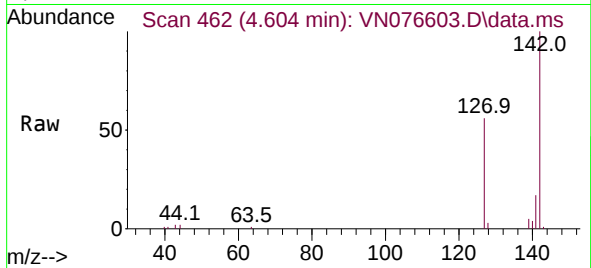
Tgt Ion: 96 Resp: 63164
Ion Ratio Lower Upper
96 100
61 179.2 125.5 188.3
98 65.5 45.0 67.4





#11
Methyl Iodide
Concen: 19.457 ug/l
RT: 4.604 min Scan# 462
Delta R.T. -0.008 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

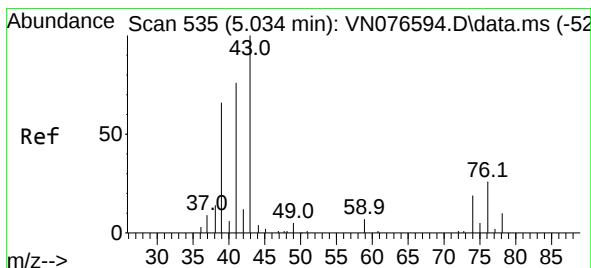
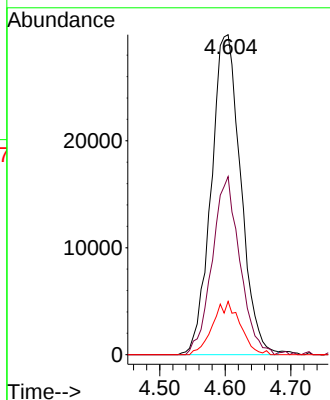
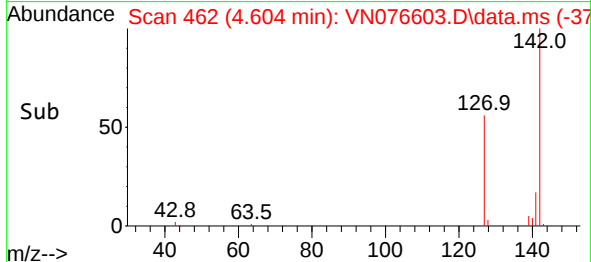
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion:142 Resp: 9339
Ion Ratio Lower Upper
142 100
127 55.6 19.3 57.8
141 16.7 7.7 23.1

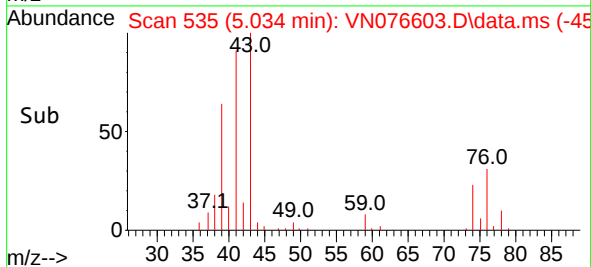
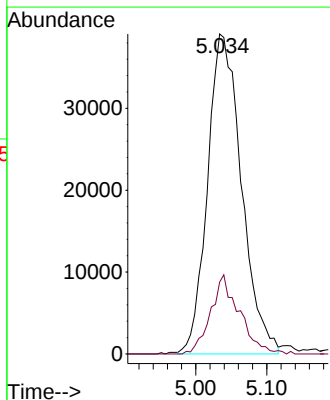
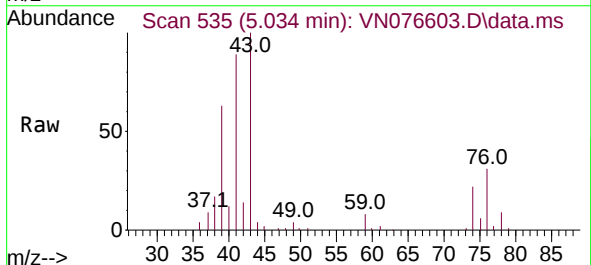
Manual Integrations
APPROVED

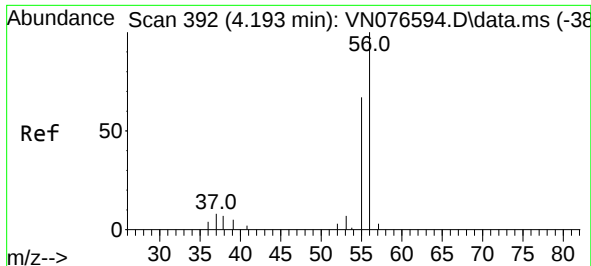
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#12
Methyl Acetate
Concen: 18.707 ug/l
RT: 5.034 min Scan# 535
Delta R.T. -0.014 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Tgt Ion: 43 Resp: 129695
Ion Ratio Lower Upper
43 100
74 22.2 19.0 28.6





#13

Acrolein

Concen: 102.650 ug/l

RT: 4.192 min Scan# 392

Delta R.T. -0.014 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 56 Resp: 91154

Ion Ratio Lower Upper

56 100

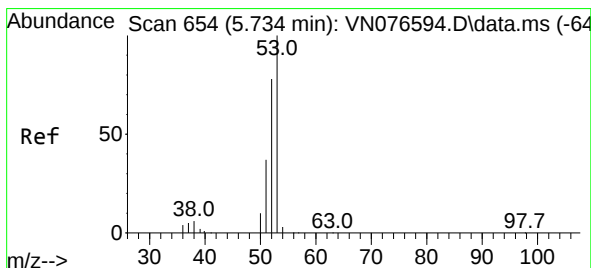
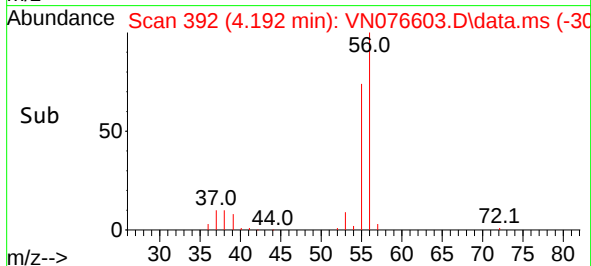
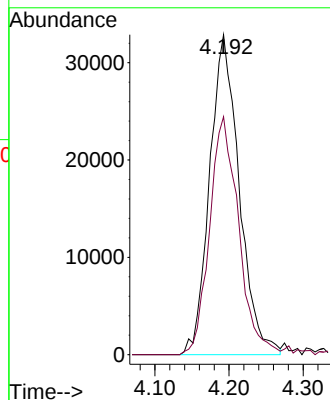
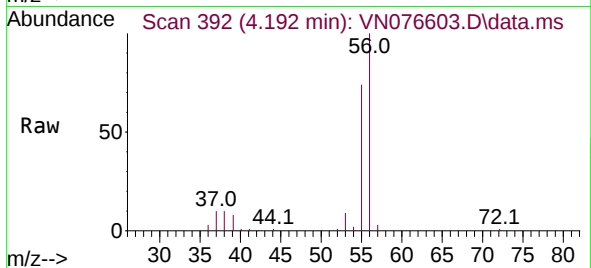
55 72.8 56.2 84.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#14

Acrylonitrile

Concen: 96.813 ug/l

RT: 5.728 min Scan# 653

Delta R.T. -0.014 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

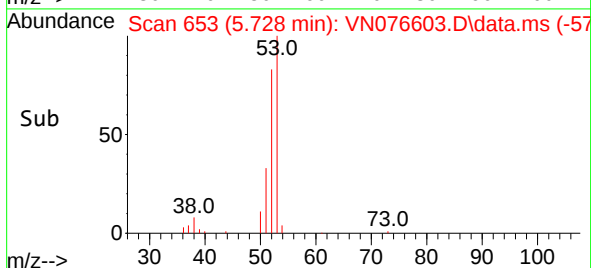
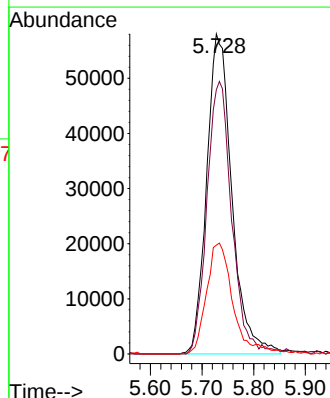
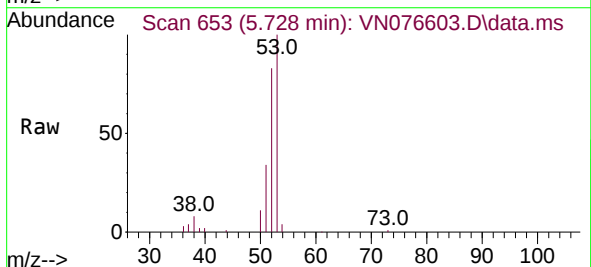
Tgt Ion: 53 Resp: 196647

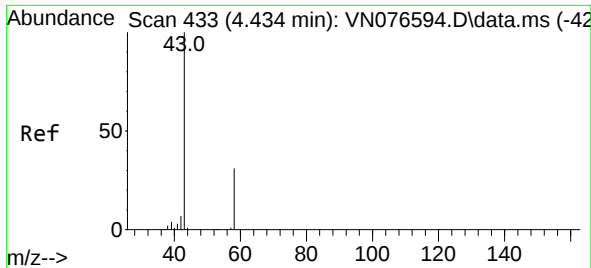
Ion Ratio Lower Upper

53 100

52 82.6 40.8 122.4

51 34.4 17.0 51.0





#15

Acetone

Concen: 95.842 ug/l m

RT: 4.440 min Scan# 41

Delta R.T. -0.013 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 58 Resp: 56209

Ion Ratio Lower Upper

58 100

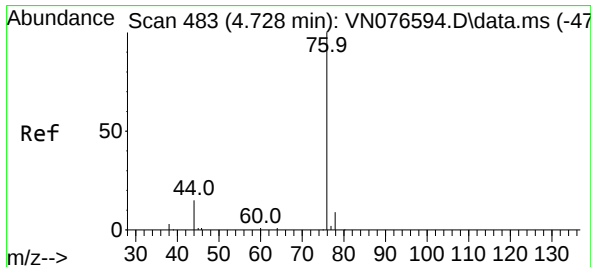
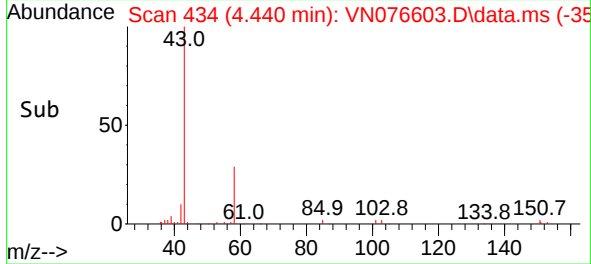
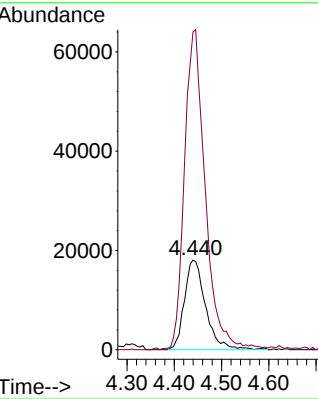
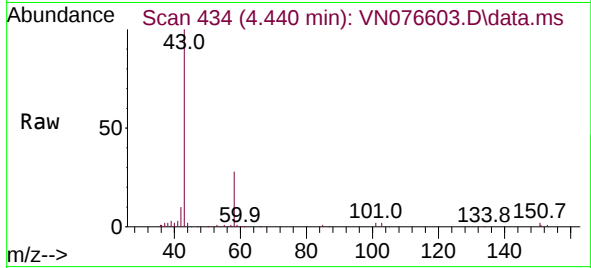
43 354.5 232.2 348.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#16

Carbon Disulfide

Concen: 19.694 ug/l

RT: 4.722 min Scan# 482

Delta R.T. -0.014 min

Lab File: VN076603.D

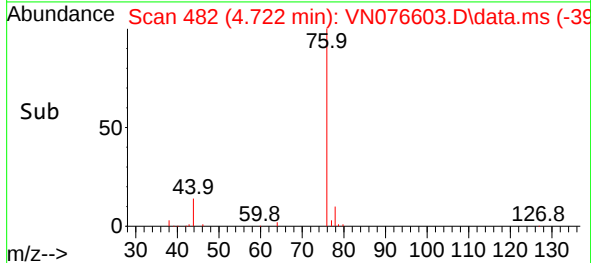
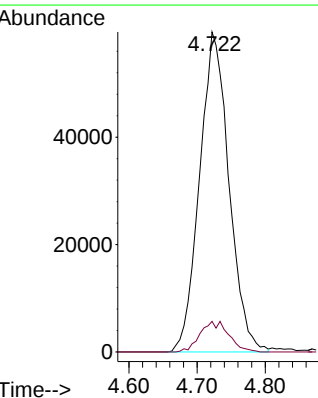
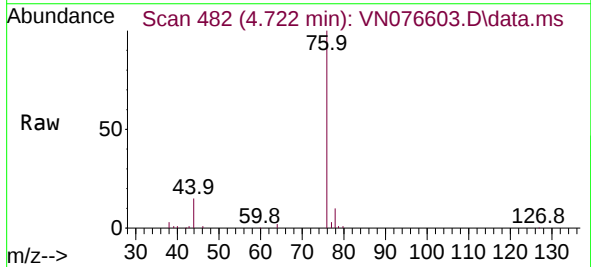
Acq: 10 Feb 2023 12:09

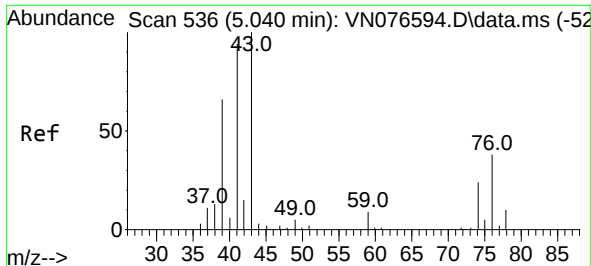
Tgt Ion: 76 Resp: 178818

Ion Ratio Lower Upper

76 100

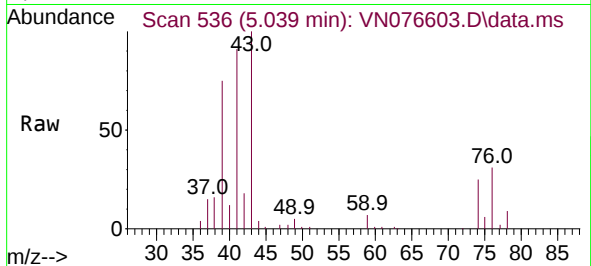
78 10.2 7.2 10.8





#17
 Allyl chloride
 Concen: 20.910 ug/l m
 RT: 5.039 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VN076603.D
 Acq: 10 Feb 2023 12:09

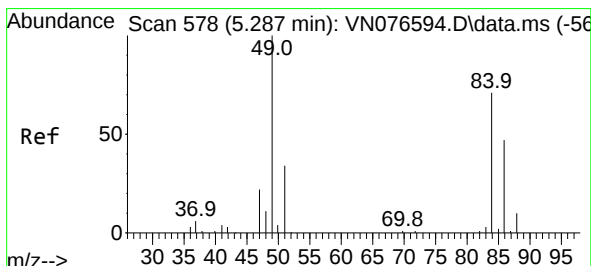
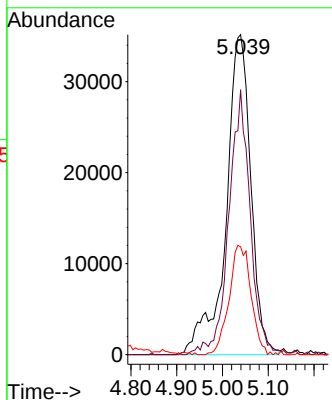
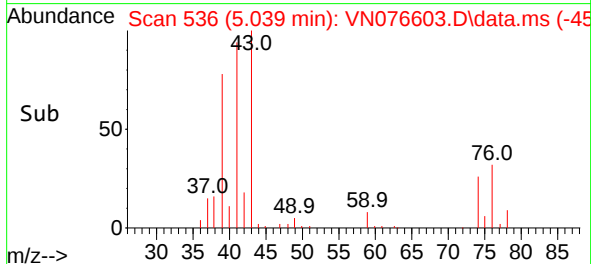
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01



Tgt Ion: 41 Resp: 13318
 Ion Ratio Lower Upper
 41 100
 39 82.8 39.1 117.5
 76 33.7 19.8 59.4

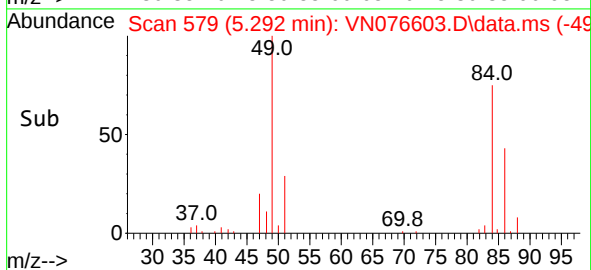
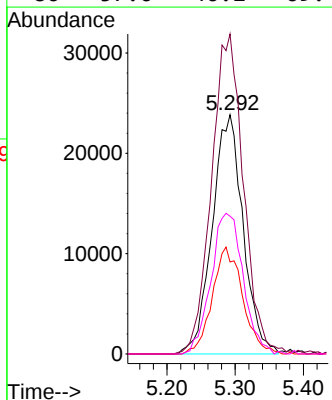
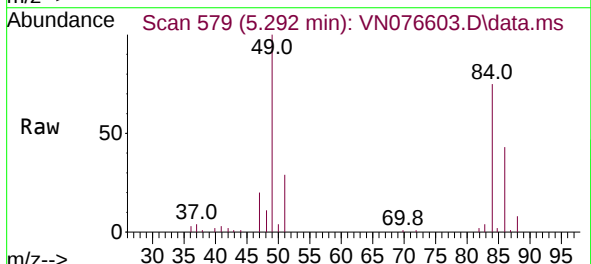
Manual Integrations
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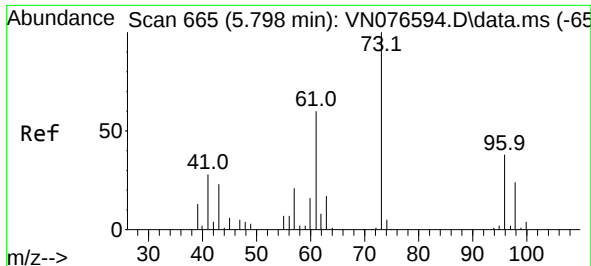
Reviewed By :John Carlone 02/13/2023
 Supervised By :Mahesh Dadoda 02/13/2023



#18
 Methylene Chloride
 Concen: 19.162 ug/l
 RT: 5.292 min Scan# 579
 Delta R.T. -0.008 min
 Lab File: VN076603.D
 Acq: 10 Feb 2023 12:09

Tgt Ion: 84 Resp: 74913
 Ion Ratio Lower Upper
 84 100
 49 133.1 99.6 149.4
 51 38.4 28.2 42.2
 86 57.6 46.2 69.4





#19

trans-1,2-Dichloroethene

Concen: 19.639 ug/l

RT: 5.798 min Scan# 665

Delta R.T. -0.014 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

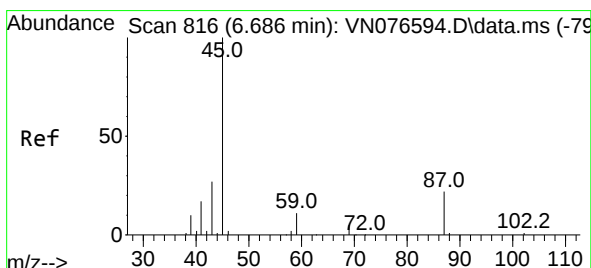
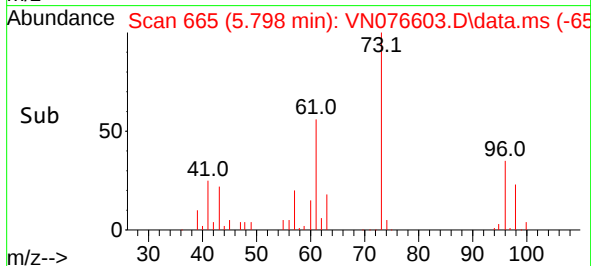
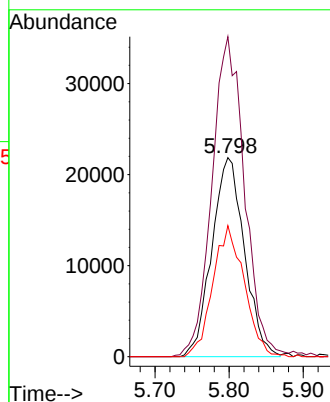
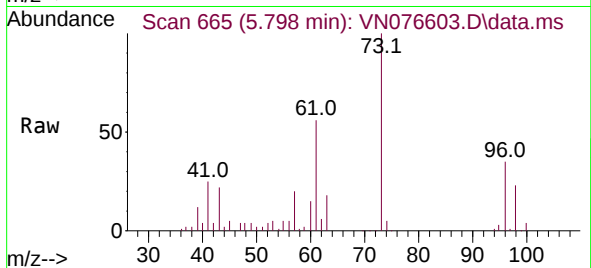
Tgt Ion: 96 Resp: 66654
 Ion Ratio Lower Upper
 96 100
 61 159.8 110.2 165.4
 98 65.8 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#20

Diisopropyl ether

Concen: 18.212 ug/l

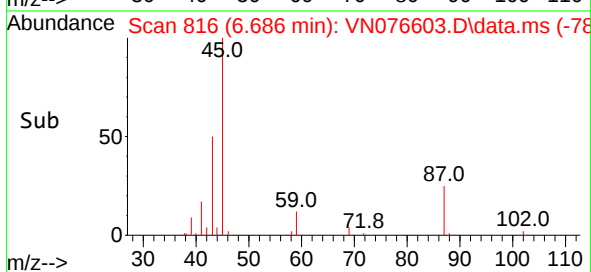
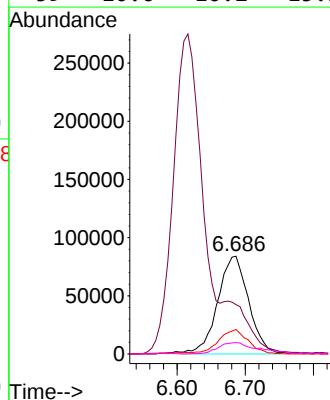
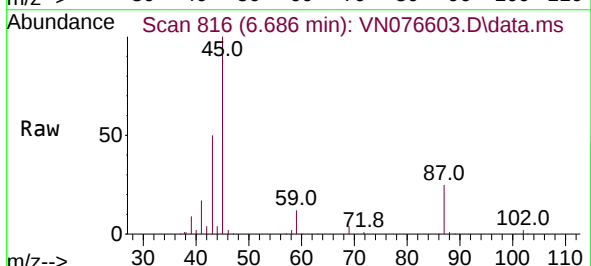
RT: 6.686 min Scan# 816

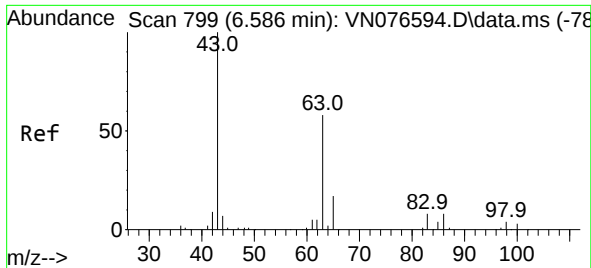
Delta R.T. -0.008 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Tgt Ion: 45 Resp: 264775
 Ion Ratio Lower Upper
 45 100
 43 48.9 47.3 70.9
 87 25.2 21.8 32.8
 59 10.6 10.2 15.2





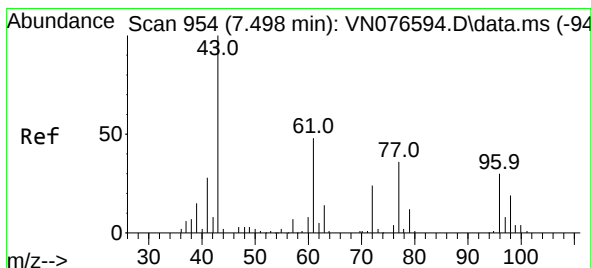
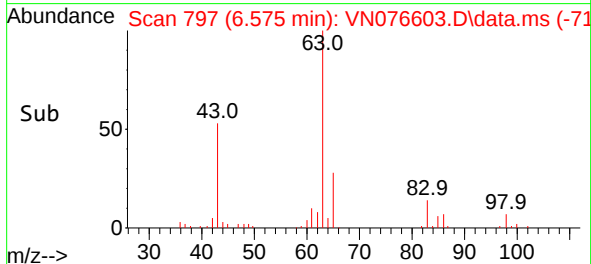
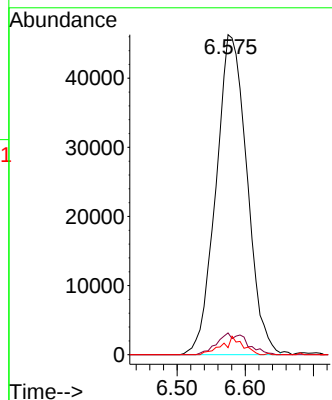
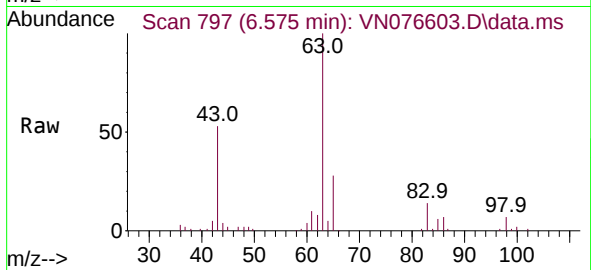
#21
1,1-Dichloroethane
Concen: 18.443 ug/l
RT: 6.575 min Scan# 799
Delta R.T. -0.008 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 63 Resp: 146218
Ion Ratio Lower Upper
63 100
98 6.8 3.3 9.9
100 2.2 2.2 6.6

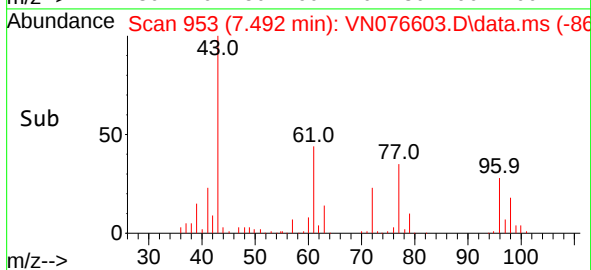
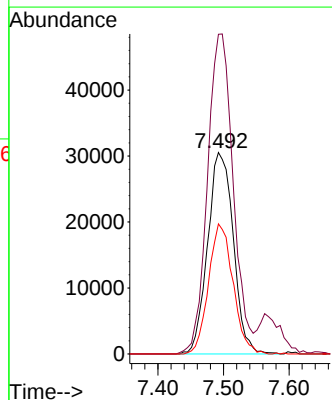
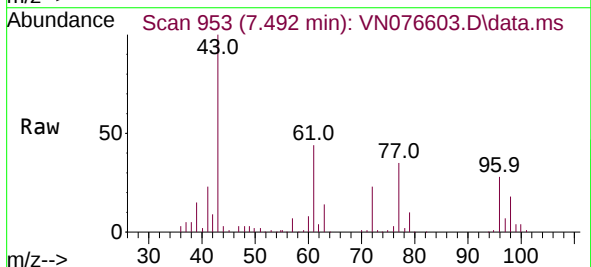
Manual Integrations
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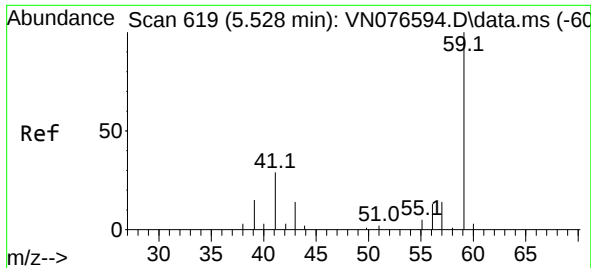
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#22
cis-1,2-Dichloroethene
Concen: 20.451 ug/l
RT: 7.492 min Scan# 953
Delta R.T. -0.008 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Tgt Ion: 96 Resp: 83167
Ion Ratio Lower Upper
96 100
61 158.7 118.8 178.2
98 61.2 52.1 78.1





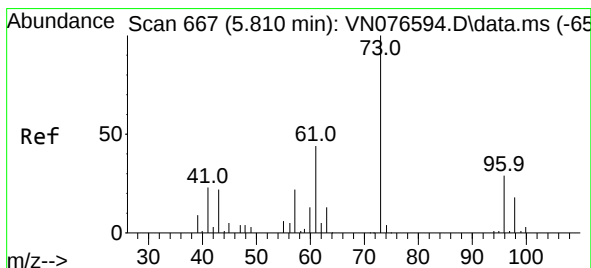
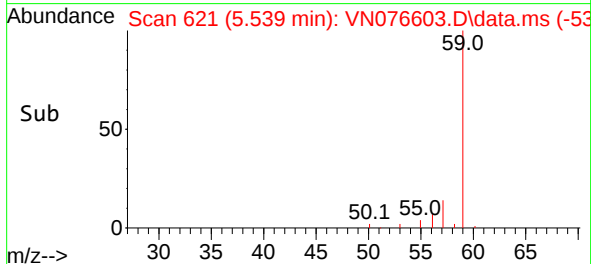
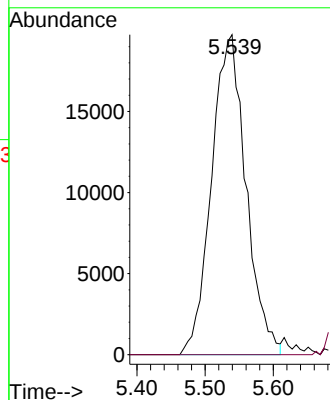
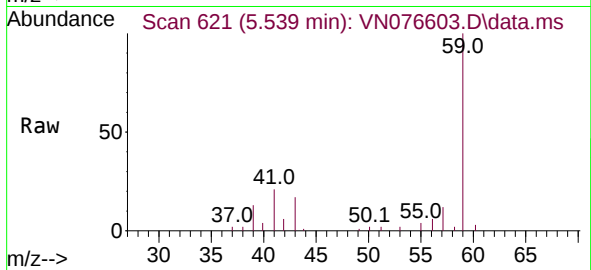
#23
tert-Butyl Alcohol
Concen: 101.684 ug/l
RT: 5.539 min Scan# 619
Delta R.T. -0.020 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 59 Resp: 6930
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4

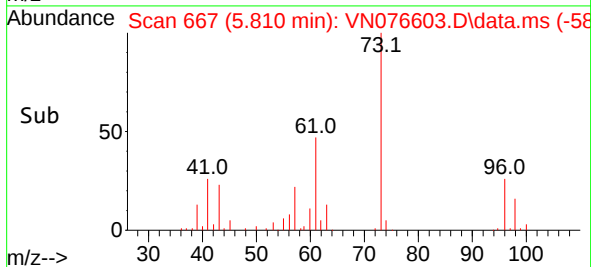
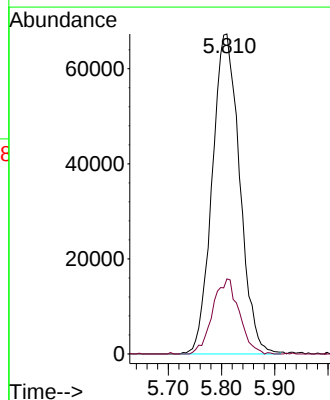
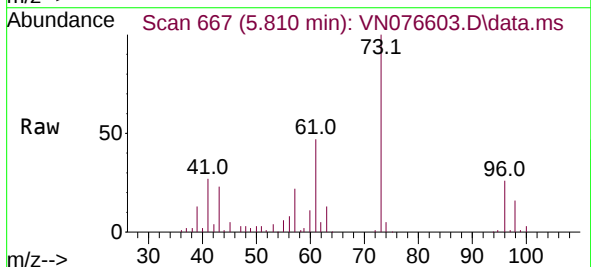
Manual Integrations
APPROVED

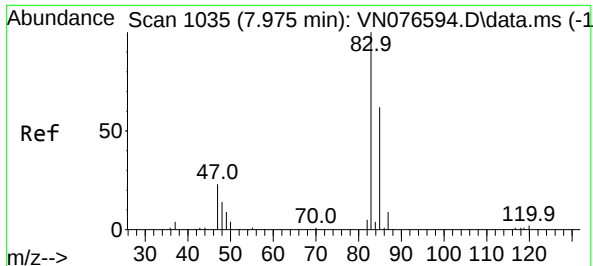
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#24
Methyl tert-Butyl Ether
Concen: 20.258 ug/l
RT: 5.810 min Scan# 667
Delta R.T. -0.008 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Tgt Ion: 73 Resp: 241043
Ion Ratio Lower Upper
73 100
43 22.6 15.6 23.4





#25

Chloroform

Concen: 18.473 ug/l

RT: 7.975 min Scan# 1035

Delta R.T. -0.002 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 83 Resp: 144910

Ion Ratio Lower Upper

83 100

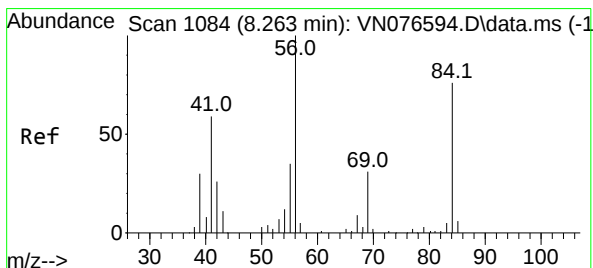
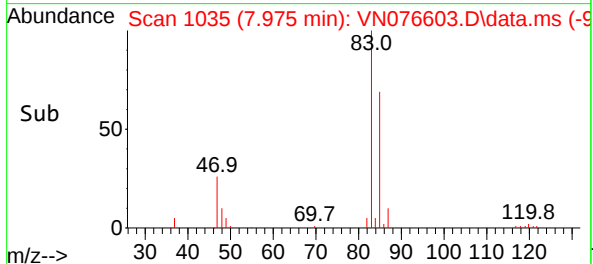
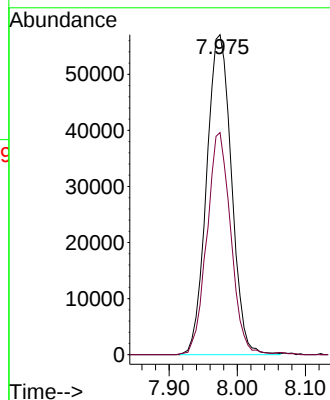
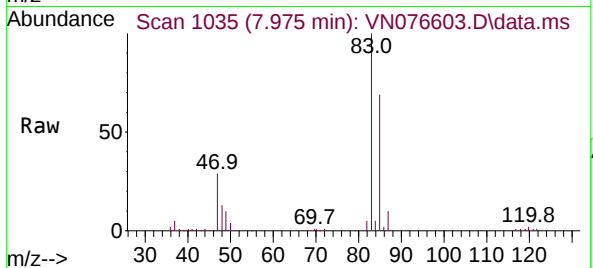
85 69.1 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#26

Cyclohexane

Concen: 18.187 ug/l

RT: 8.263 min Scan# 1084

Delta R.T. -0.002 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

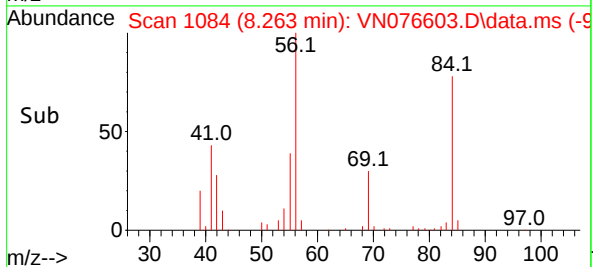
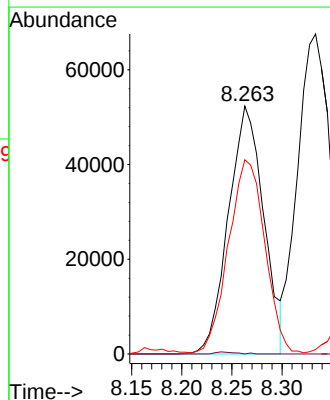
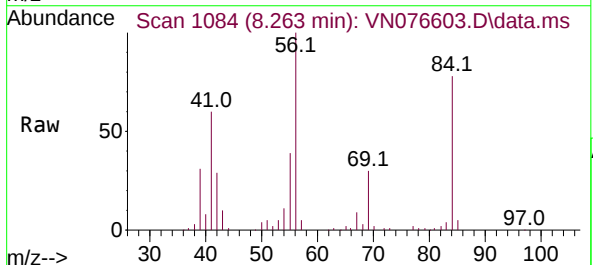
Tgt Ion: 56 Resp: 127946

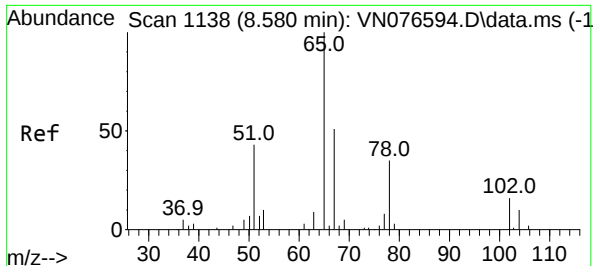
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 81.2 68.4 102.6





#27

1,2-Dichloroethane-d4

Concen: 29.566 ug/l

RT: 8.586 min Scan# 1138

Delta R.T. -0.002 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 65 Resp: 10314

Ion Ratio Lower Upper

65 100

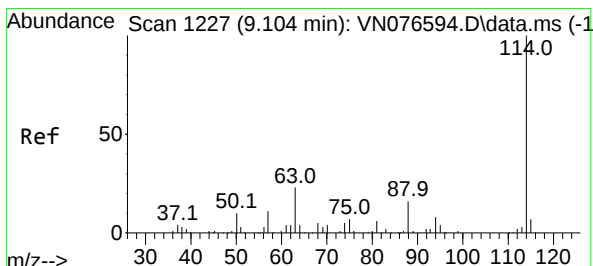
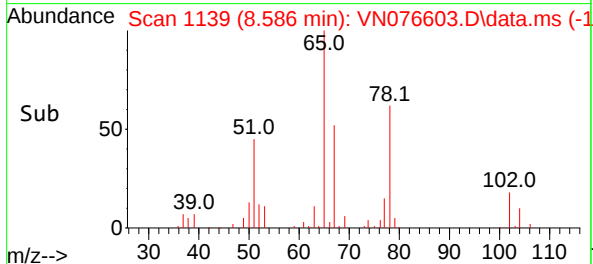
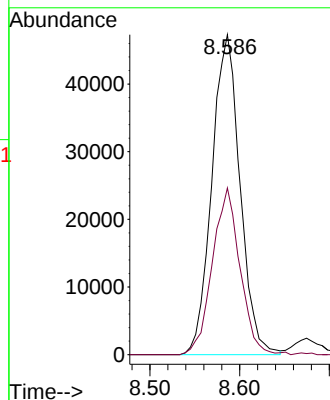
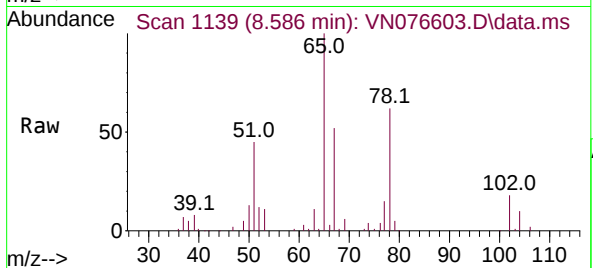
67 50.8 45.2 67.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.104 min Scan# 1227

Delta R.T. -0.002 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

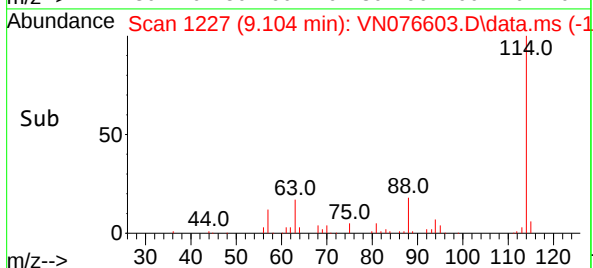
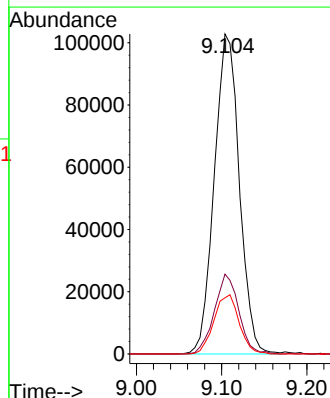
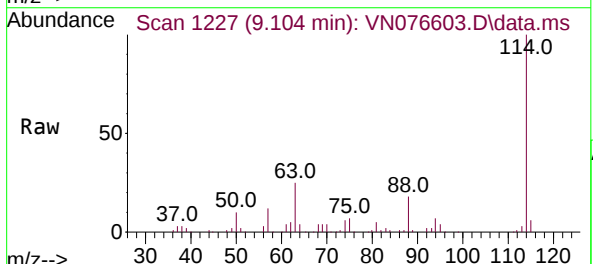
Tgt Ion:114 Resp: 210342

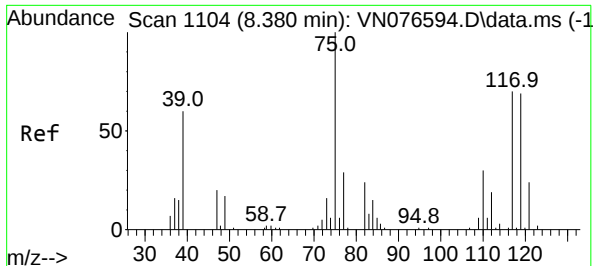
Ion Ratio Lower Upper

114 100

63 24.3 16.6 25.0

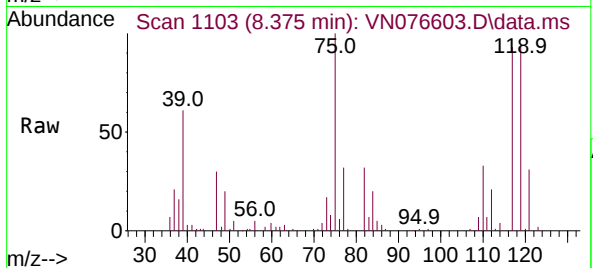
88 18.6 12.2 18.4#





#29
1,1-Dichloropropene
Concen: 19.521 ug/l
RT: 8.375 min Scan# 1104
Delta R.T. -0.008 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

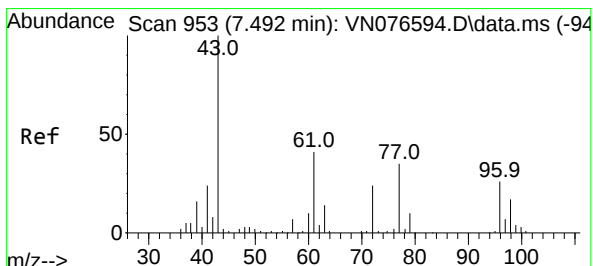
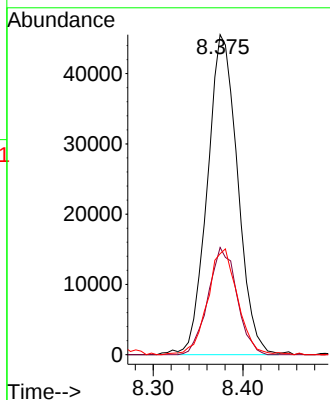
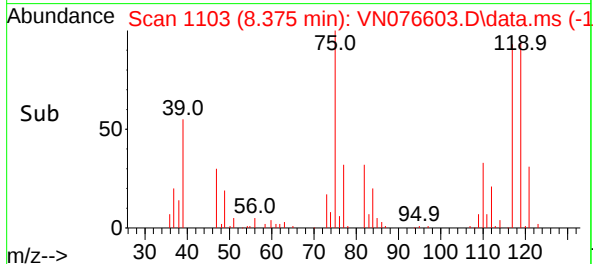
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



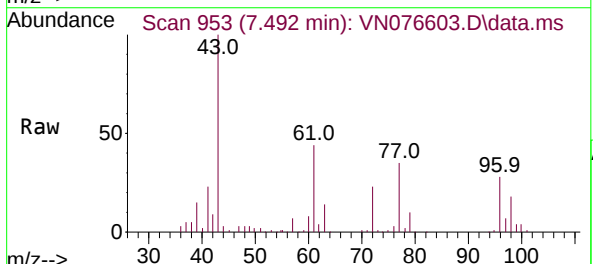
Tgt Ion: 75 Resp: 10628
Ion Ratio Lower Upper
75 100
110 31.9 0.0 72.2
77 32.7 0.0 64.0

Manual Integrations
APPROVED

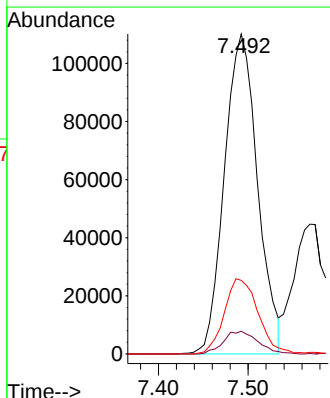
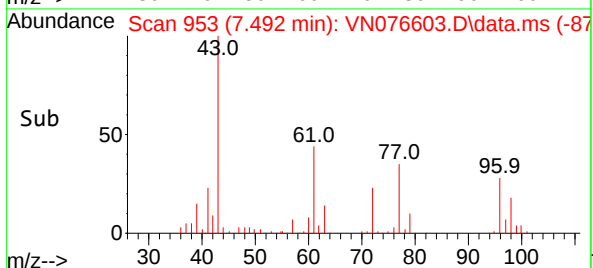
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

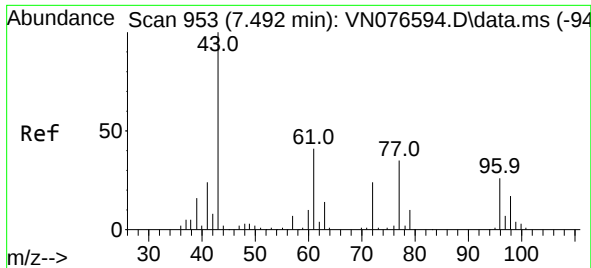


#30
2-Butanone
Concen: 96.198 ug/l
RT: 7.492 min Scan# 953
Delta R.T. -0.014 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



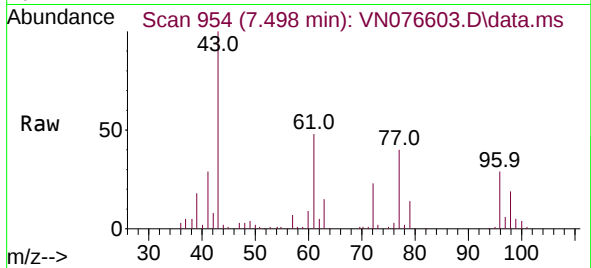
Tgt Ion: 43 Resp: 282712
Ion Ratio Lower Upper
43 100
57 7.4 6.3 9.5
72 23.8 21.0 31.4





#31
2,2-Dichloropropane
Concen: 20.443 ug/l
RT: 7.498 min Scan# 91
Delta R.T. -0.008 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

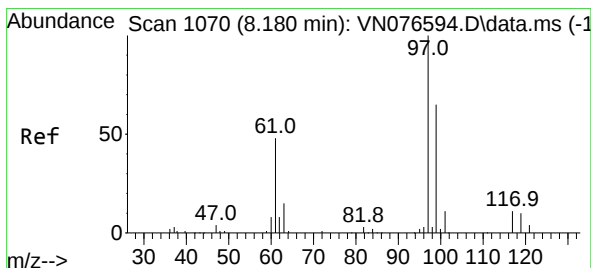
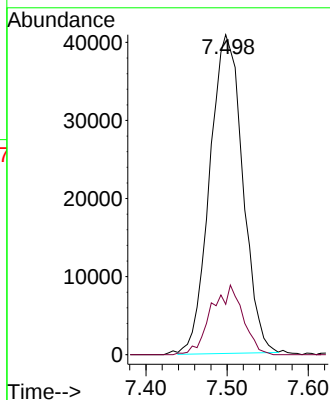
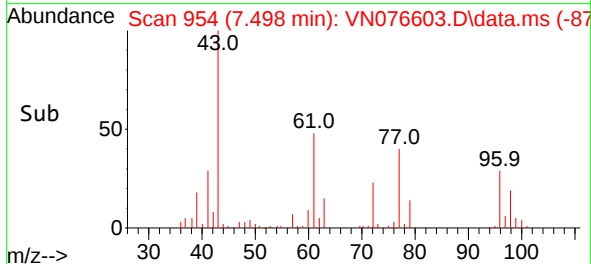
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



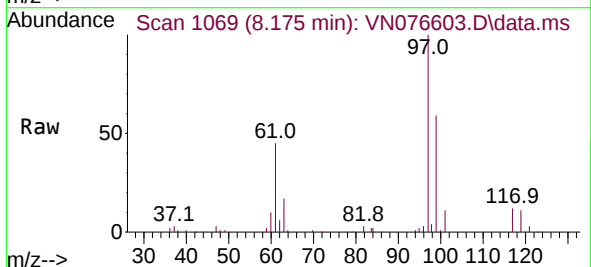
Tgt Ion: 77 Resp: 11556
Ion Ratio Lower Upper
77 100
97 10.0 18.4 27.6

Manual Integrations
APPROVED

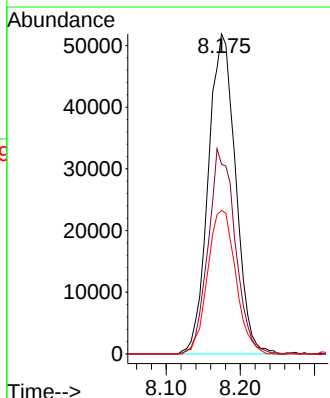
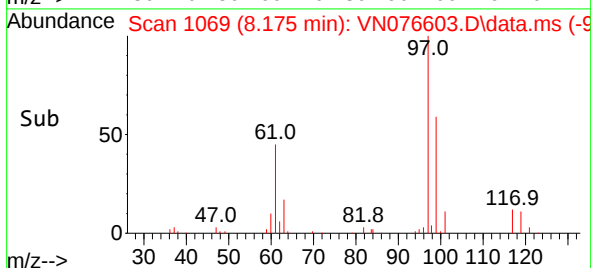
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

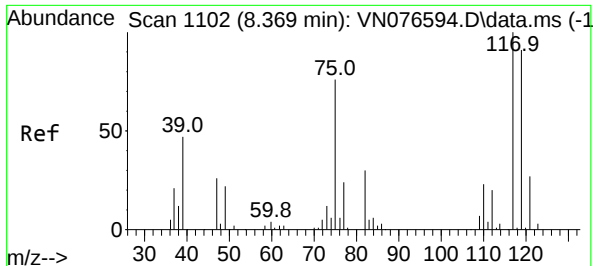


#32
1,1,1-Trichloroethane
Concen: 19.653 ug/l
RT: 8.175 min Scan# 1069
Delta R.T. -0.008 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



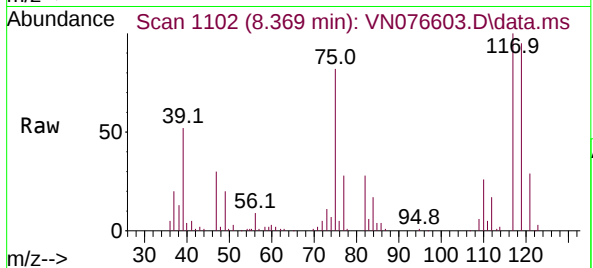
Tgt Ion: 97 Resp: 132758
Ion Ratio Lower Upper
97 100
99 63.2 50.0 75.0
61 46.3 36.1 54.1





#33
Carbon Tetrachloride
Concen: 19.462 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

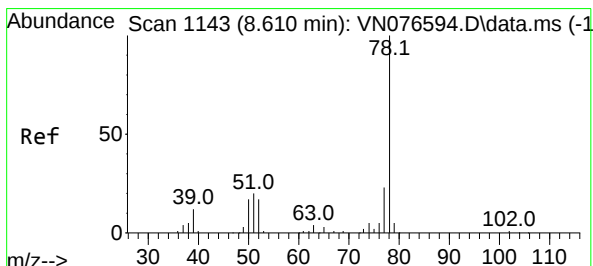
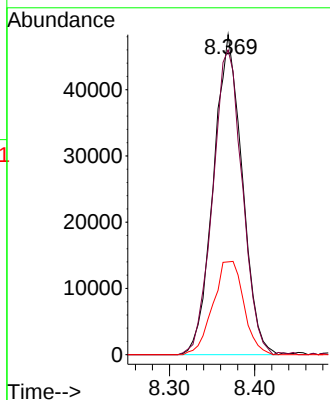
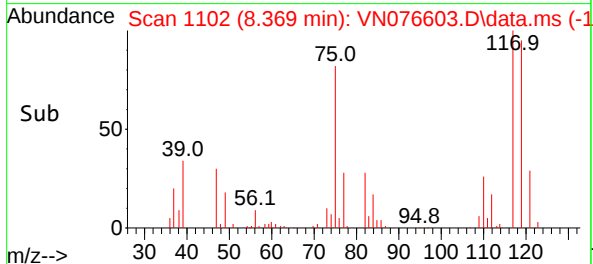
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



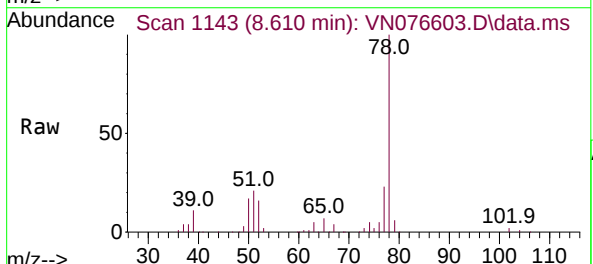
Tgt Ion:117 Resp: 11341
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.6
121 29.0 27.6 41.4

Manual Integrations
APPROVED

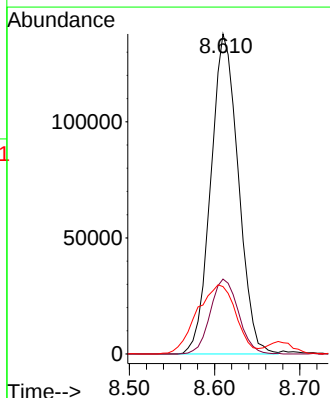
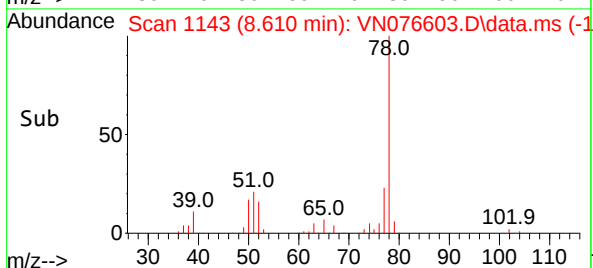
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

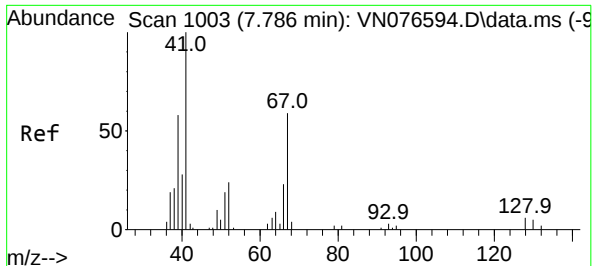


#34
Benzene
Concen: 18.486 ug/l
RT: 8.610 min Scan# 1143
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



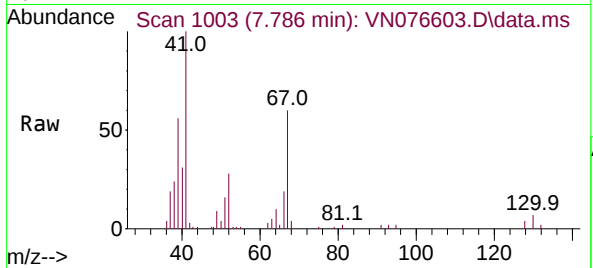
Tgt Ion: 78 Resp: 309252
Ion Ratio Lower Upper
78 100
77 23.4 19.9 29.9
51 18.8 21.1 31.7#





#35
Methacrylonitrile
Concen: 20.138 ug/l
RT: 7.786 min Scan# 1003
Delta R.T. -0.008 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

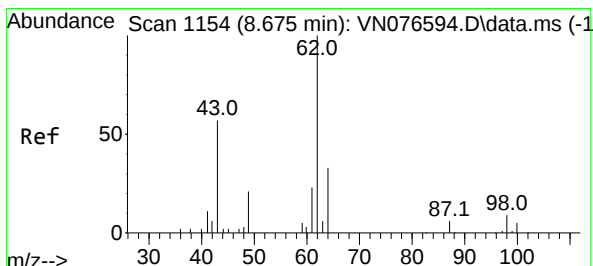
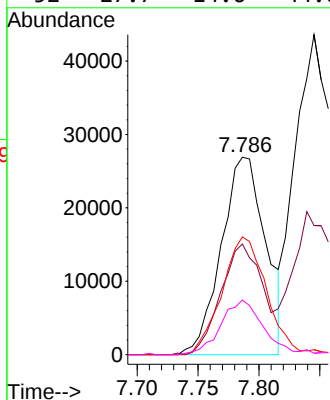
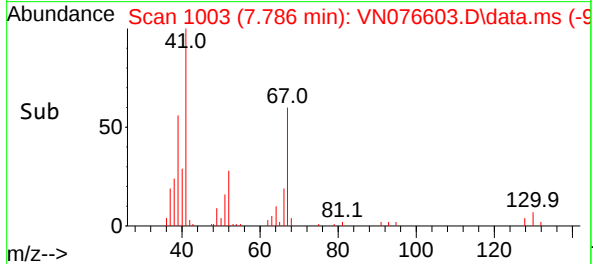
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion:	41	Resp:	68049
Ion Ratio	Lower	Upper	
41	100		
39	55.3	27.7	83.1
67	59.6	38.0	113.9
52	27.7	14.6	44.0

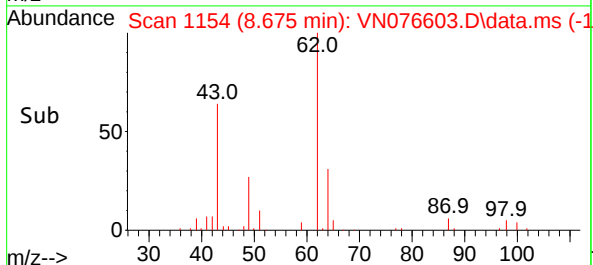
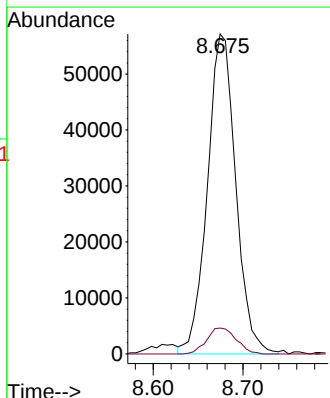
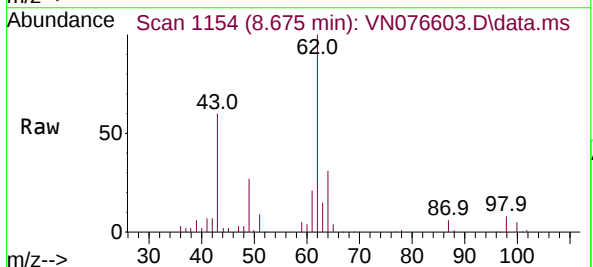
Manual Integrations
APPROVED

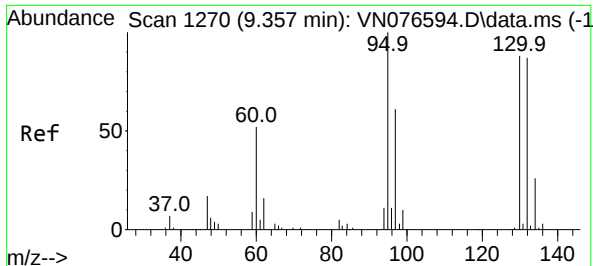
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#36
1,2-Dichloroethane
Concen: 19.587 ug/l
RT: 8.675 min Scan# 1154
Delta R.T. -0.008 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Tgt Ion:	62	Resp:	125656
Ion Ratio	Lower	Upper	
62	100		
98	8.4	7.4	11.2





#37

Trichloroethene

Concen: 20.235 ug/l

RT: 9.357 min Scan# 1

Delta R.T. -0.002 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion:130 Resp: 69310

Ion Ratio Lower Upper

130 100

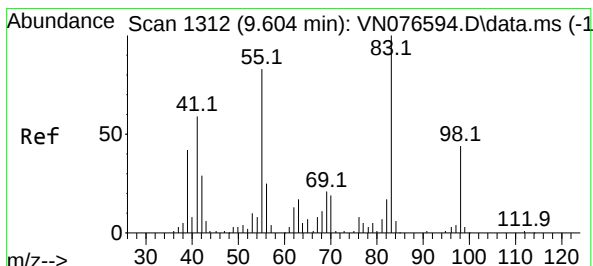
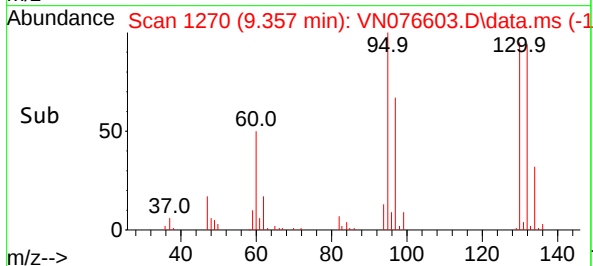
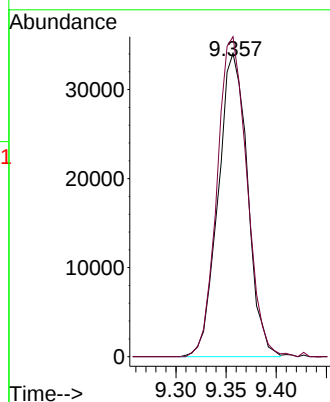
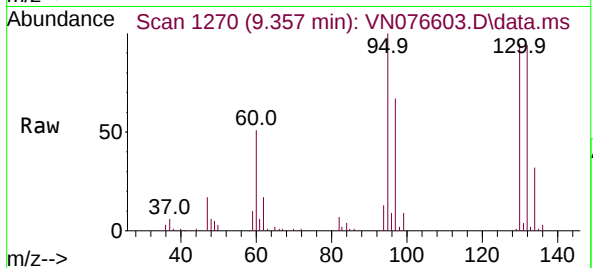
95 105.5 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#38

Methylcyclohexane

Concen: 20.613 ug/l

RT: 9.610 min Scan# 1313

Delta R.T. 0.004 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

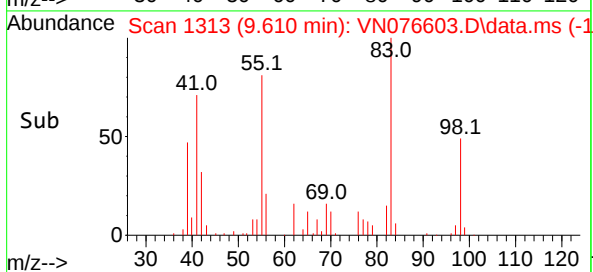
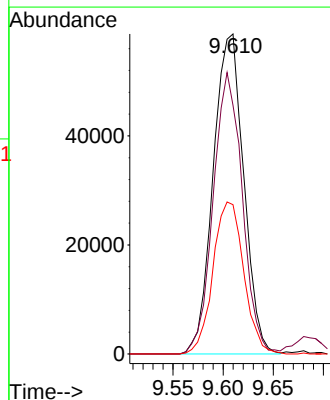
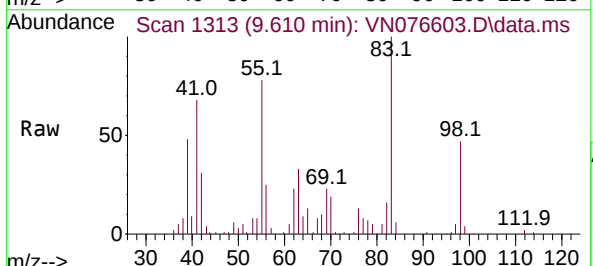
Tgt Ion: 83 Resp: 124222

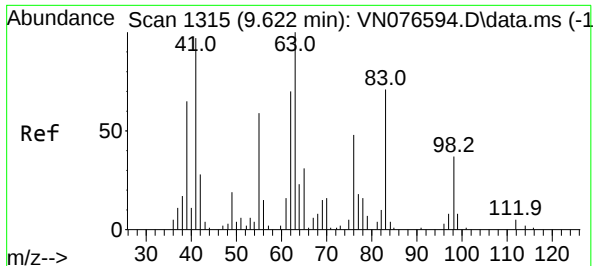
Ion Ratio Lower Upper

83 100

55 84.0 37.4 112.2

98 47.9 24.5 73.5





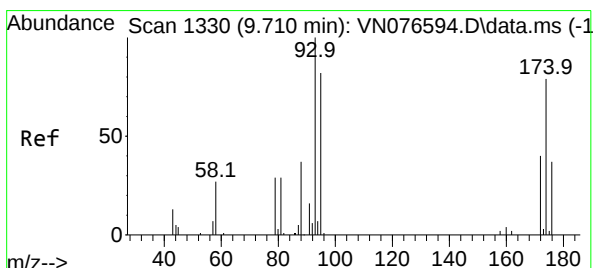
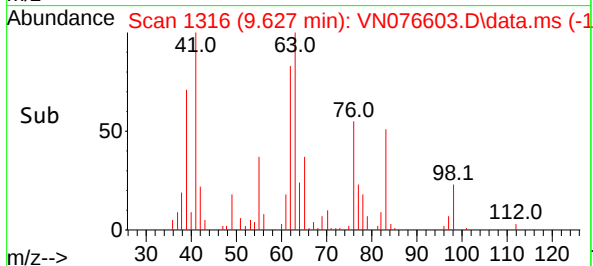
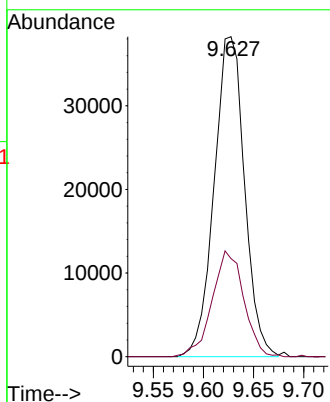
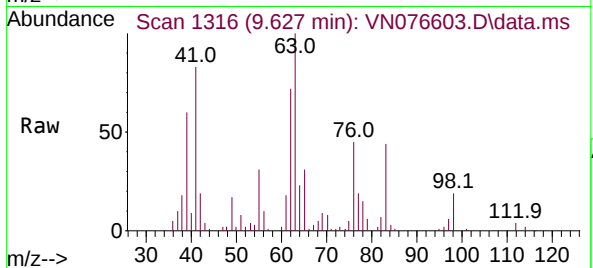
#39
1,2-Dichloropropane
Concen: 20.184 ug/l
RT: 9.627 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 63 Resp: 80578
Ion Ratio Lower Upper
63 100
65 30.2 25.0 37.6

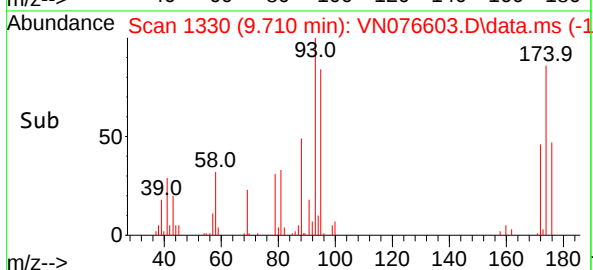
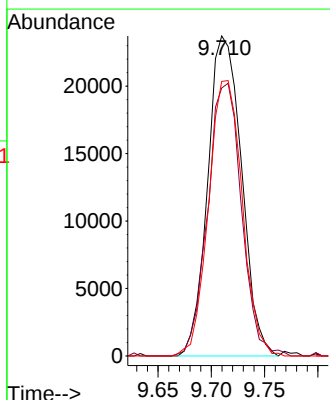
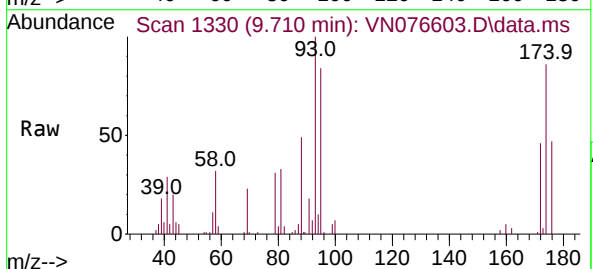
Manual Integrations
APPROVED

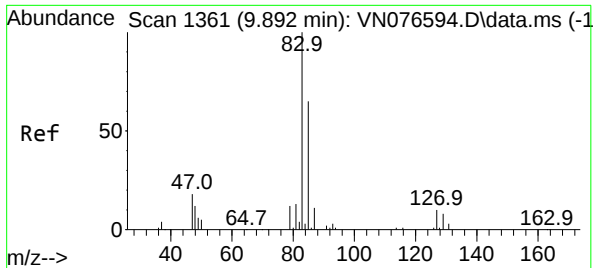
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#40
Dibromomethane
Concen: 19.933 ug/l
RT: 9.710 min Scan# 1330
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

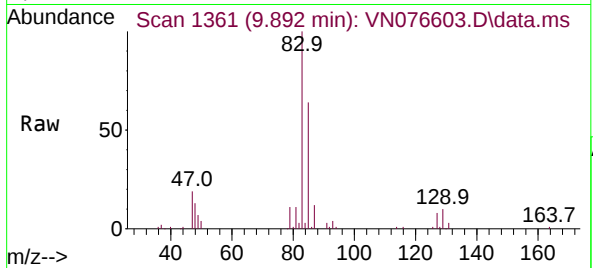
Tgt Ion: 93 Resp: 52351
Ion Ratio Lower Upper
93 100
95 85.1 0.0 168.0
174 85.5 0.0 158.4





#41
Bromodichloromethane
Concen: 21.032 ug/l
RT: 9.892 min Scan# 116140
Delta R.T. 0.004 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

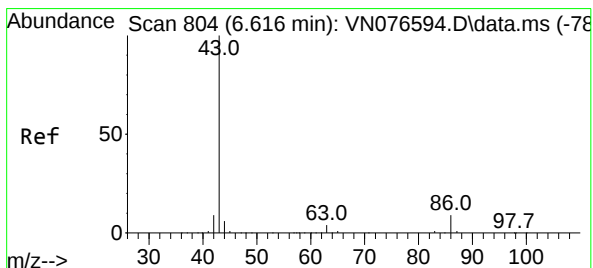
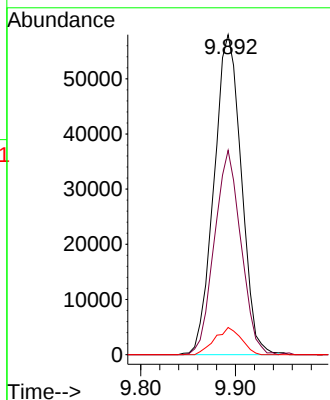
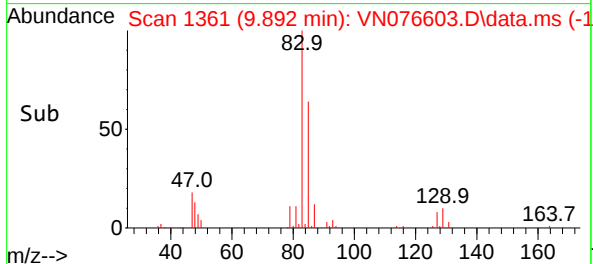
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



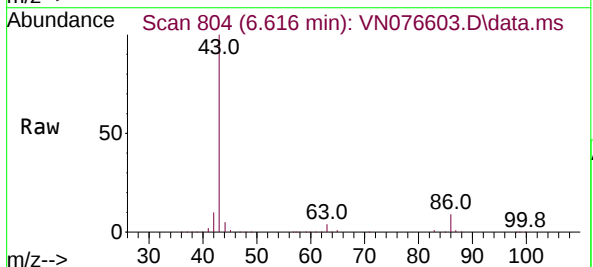
Tgt Ion: 83 Resp: 116140
Ion Ratio Lower Upper
83 100
85 63.9 50.2 75.4
127 8.5 5.1 7.7

Manual Integrations
APPROVED

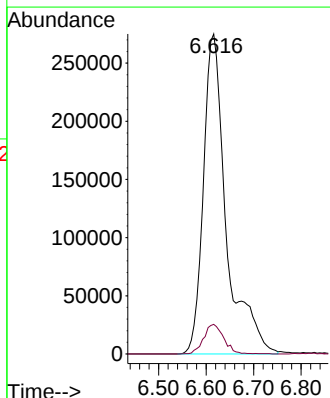
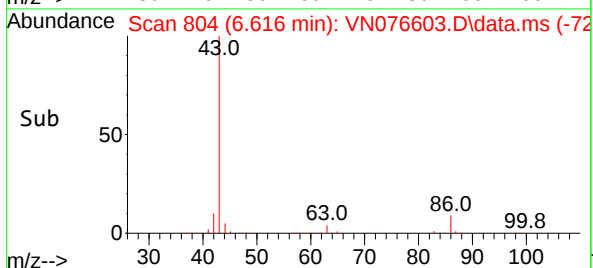
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

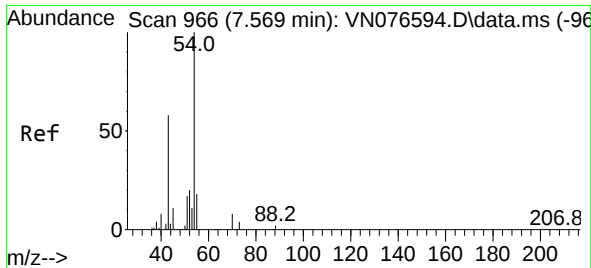


#42
Vinyl Acetate
Concen: 96.230 ug/l m
RT: 6.616 min Scan# 804
Delta R.T. -0.008 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



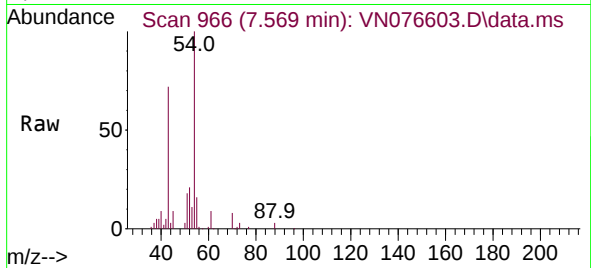
Tgt Ion: 43 Resp: 919880
Ion Ratio Lower Upper
43 100
86 8.1 7.5 11.3





#43
Ethyl Acetate
Concen: 19.839 ug/l m
RT: 7.569 min Scan# 966
Delta R.T. -0.014 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

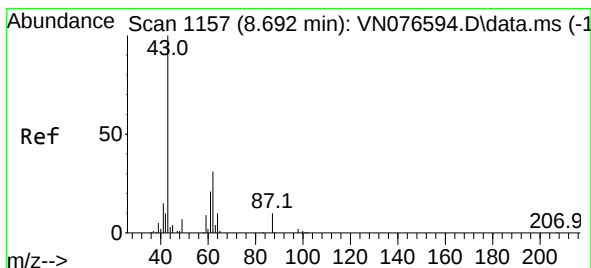
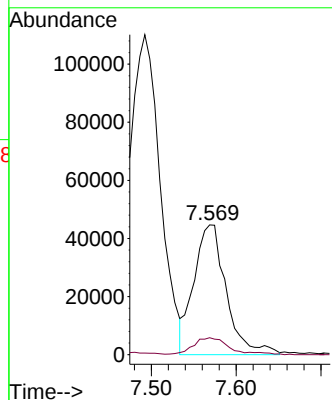
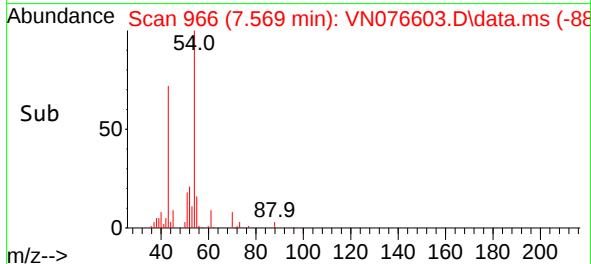
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



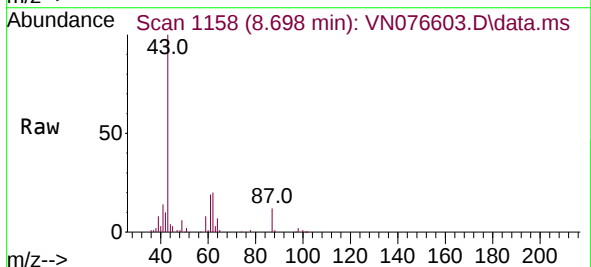
Tgt Ion: 43 Resp: 11888
Ion Ratio Lower Upper
43 100
45 12.3 11.5 17.3

Manual Integrations
APPROVED

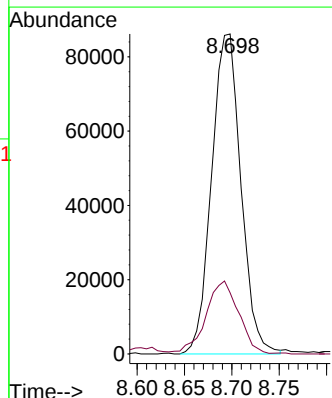
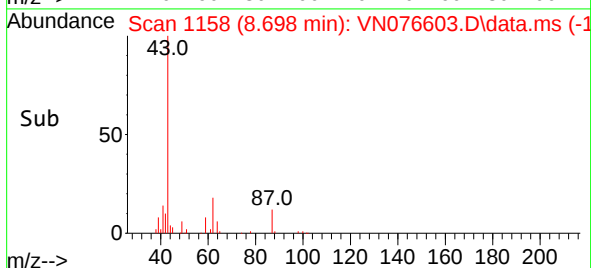
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

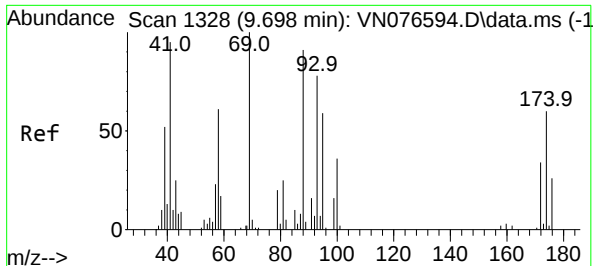


#44
Isopropyl Acetate
Concen: 18.831 ug/l
RT: 8.698 min Scan# 1158
Delta R.T. 0.004 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



Tgt Ion: 43 Resp: 185623
Ion Ratio Lower Upper
43 100
61 25.4 19.5 29.3





#45

1,4-Dioxane

Concen: 415.415 ug/l

RT: 9.698 min Scan# 1328

Delta R.T. -0.002 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 88 Resp: 3338

Ion Ratio Lower Upper

88 100

43 27.3 25.7 38.5

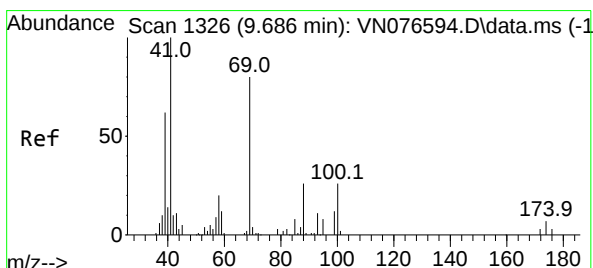
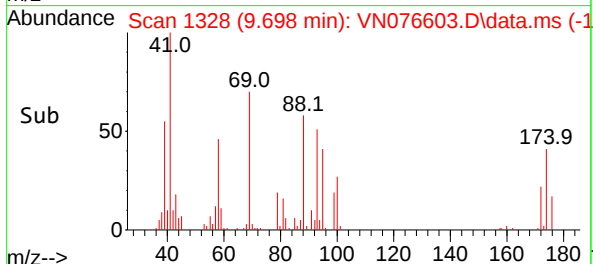
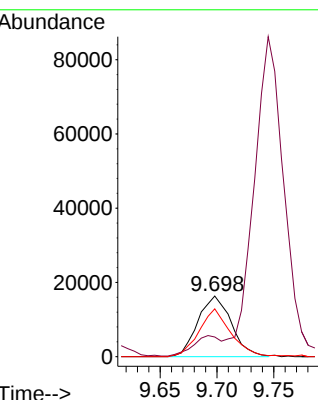
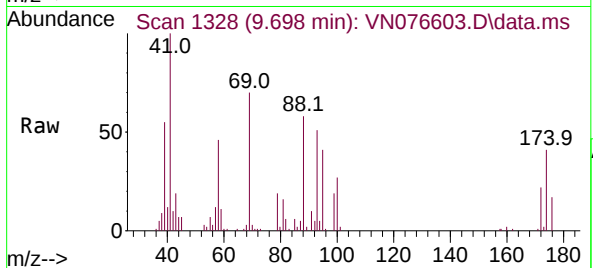
58 75.3 53.4 80.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#46

Methyl methacrylate

Concen: 19.915 ug/l

RT: 9.686 min Scan# 1326

Delta R.T. -0.002 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

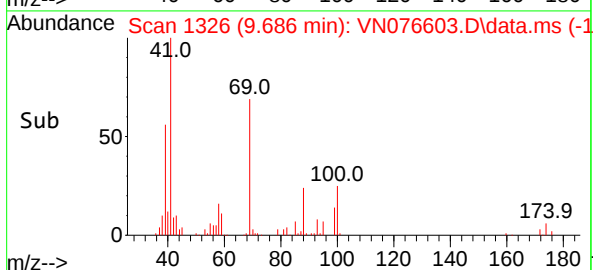
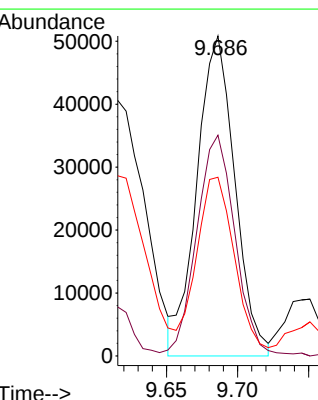
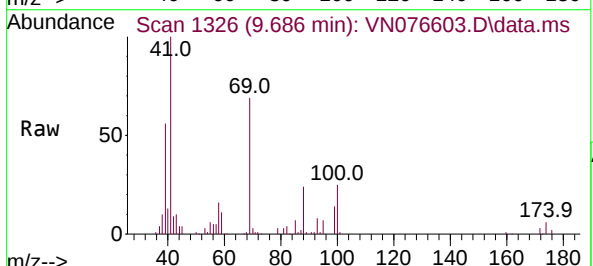
Tgt Ion: 41 Resp: 94651

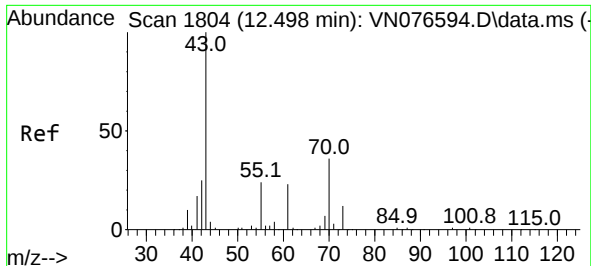
Ion Ratio Lower Upper

41 100

69 70.0 45.6 136.7

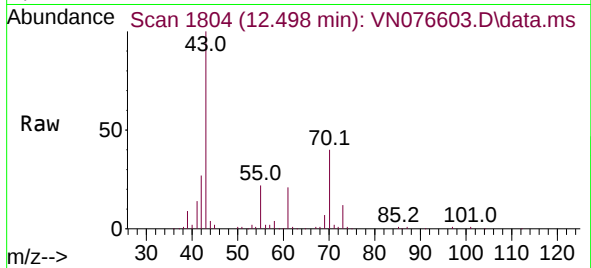
39 55.4 32.3 96.9





#47
n-amy1 Acetate
Concen: 19.570 ug/l
RT: 12.498 min Scan# 1804
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

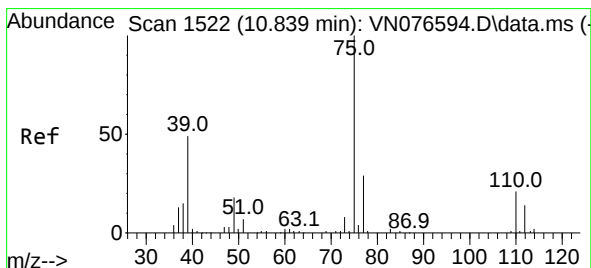
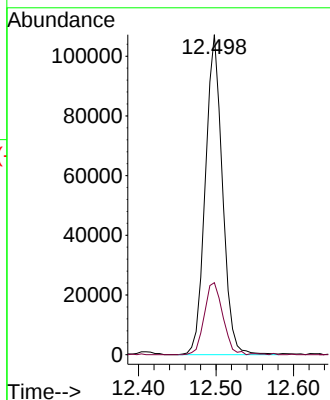
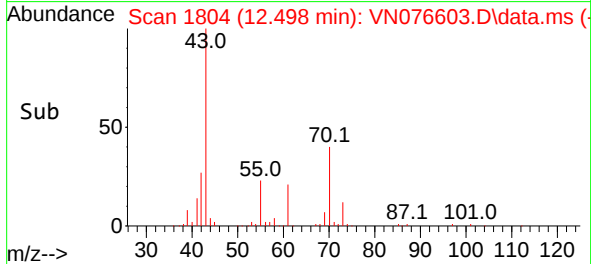
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion: 43 Resp: 163974
Ion Ratio Lower Upper
43 100
55 24.1 16.8 25.2

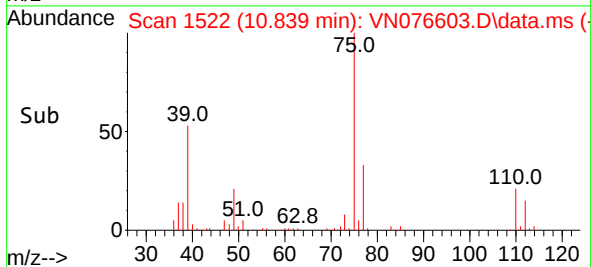
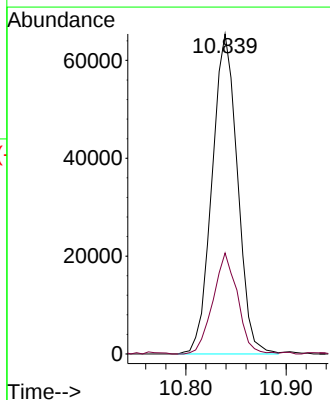
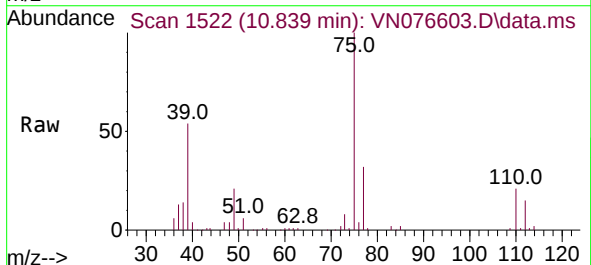
Manual Integrations
APPROVED

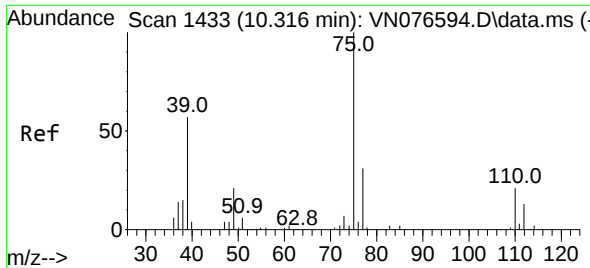
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#48
t-1,3-Dichloropropene
Concen: 20.739 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

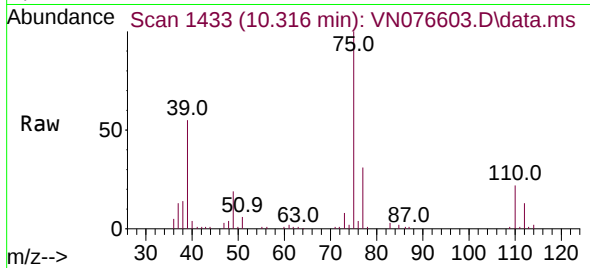
Tgt Ion: 75 Resp: 115286
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8





#49
 cis-1,3-Dichloropropene
 Concen: 20.389 ug/l
 RT: 10.316 min Scan# 1433
 Delta R.T. -0.002 min
 Lab File: VN076603.D
 Acq: 10 Feb 2023 12:09

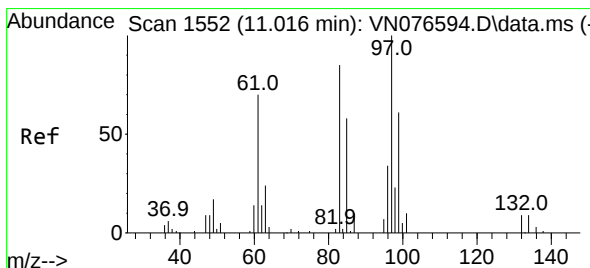
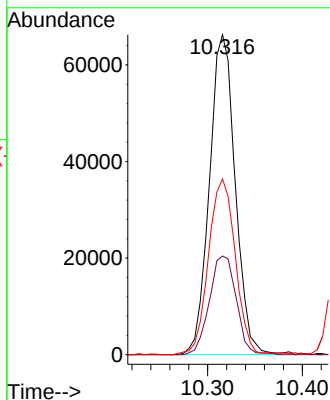
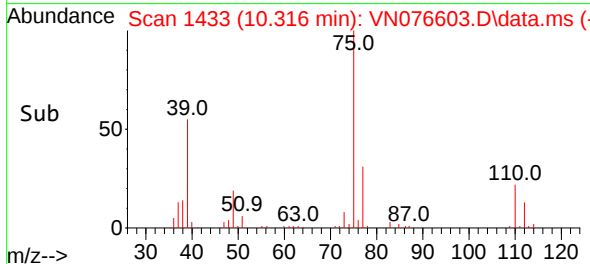
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01



Tgt Ion: 75 Resp: 12529
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.5 33.7
 39 54.5 37.6 56.4

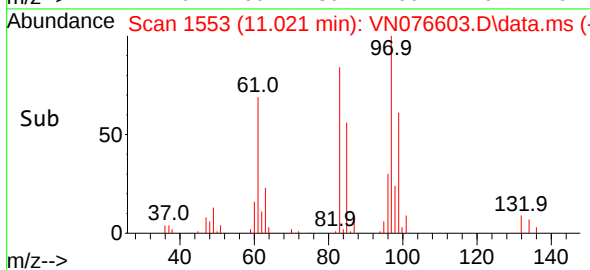
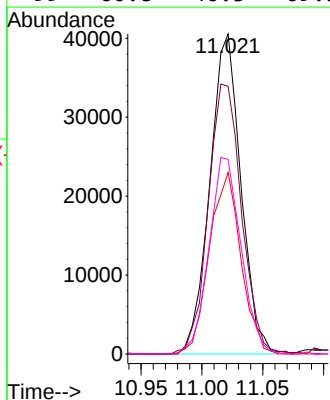
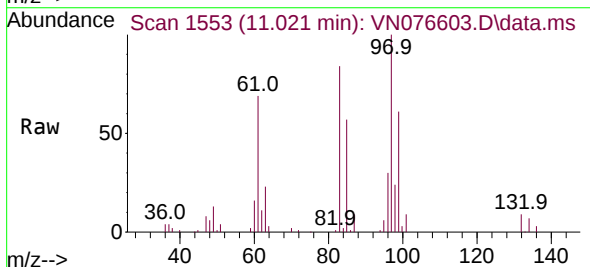
Manual Integrations
 APPROVED

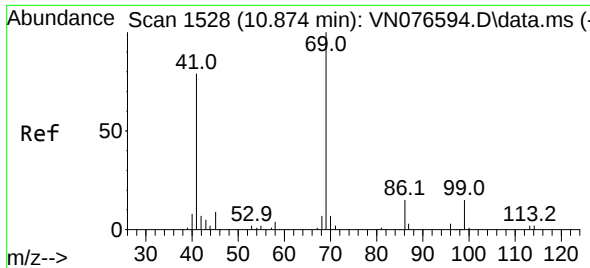
Reviewed By :John Carlone 02/13/2023
 Supervised By :Mahesh Dadoda 02/13/2023



#50
 1,1,2-Trichloroethane
 Concen: 20.152 ug/l
 RT: 11.021 min Scan# 1553
 Delta R.T. 0.003 min
 Lab File: VN076603.D
 Acq: 10 Feb 2023 12:09

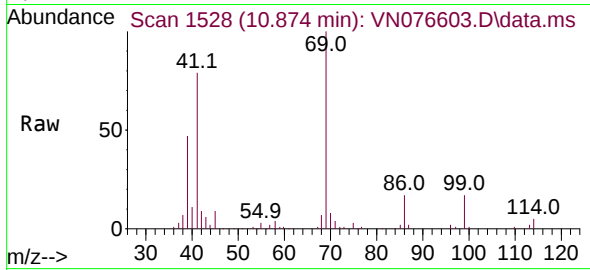
Tgt Ion: 97 Resp: 71880
 Ion Ratio Lower Upper
 97 100
 83 82.7 69.2 103.8
 85 56.7 41.4 62.2
 99 60.8 46.3 69.5





#51
Ethyl methacrylate
Concen: 20.363 ug/l
RT: 10.874 min Scan# 1528
Delta R.T. -0.003 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

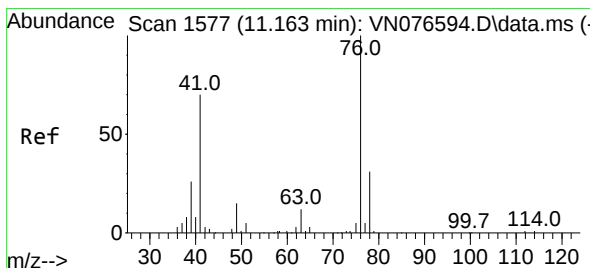
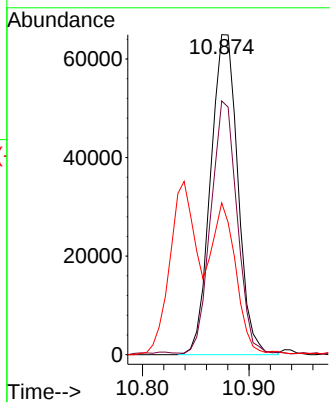
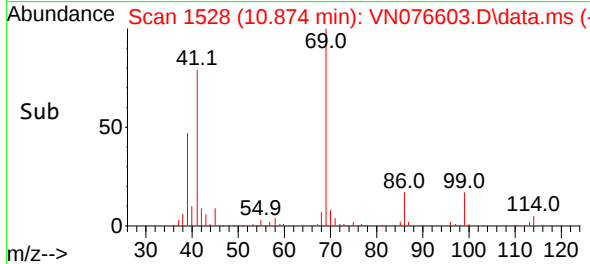
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



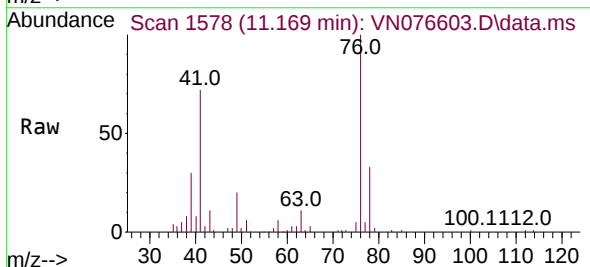
Tgt Ion: 69 Resp: 11533
Ion Ratio Lower Upper
69 100
41 78.8 32.5 97.5
39 46.5 21.5 64.5

Manual Integrations
APPROVED

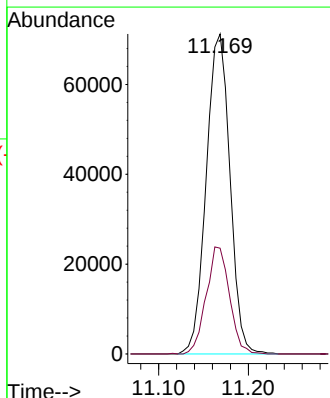
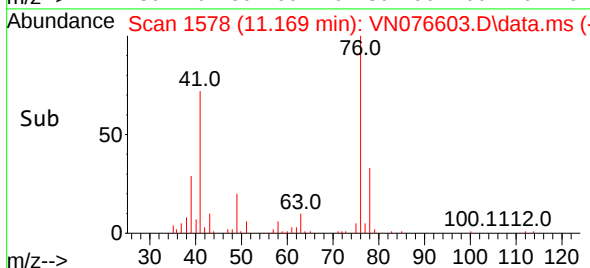
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

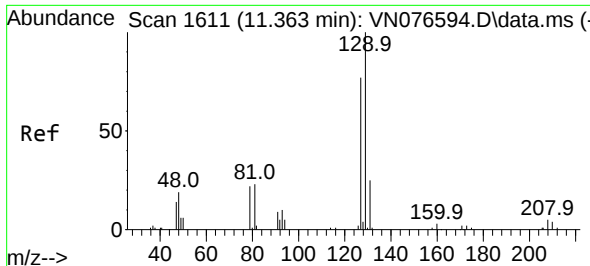


#52
1,3-Dichloropropane
Concen: 19.676 ug/l
RT: 11.169 min Scan# 1578
Delta R.T. 0.004 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



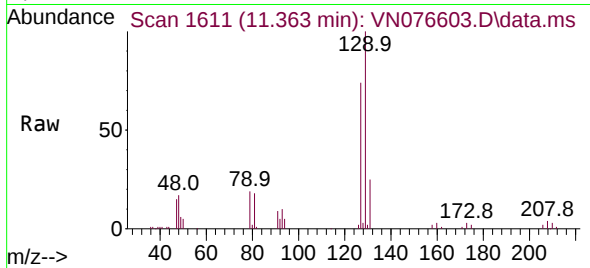
Tgt Ion: 76 Resp: 130826
Ion Ratio Lower Upper
76 100
78 32.8 0.0 63.8





#53
Dibromochloromethane
Concen: 21.012 ug/l
RT: 11.363 min Scan# 1611
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

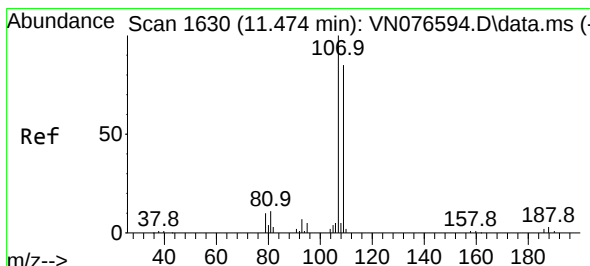
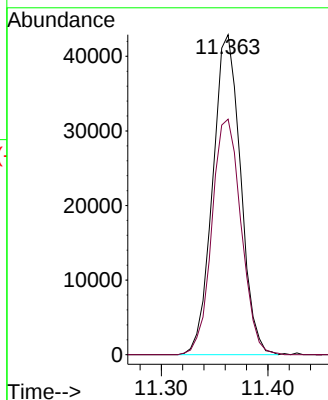
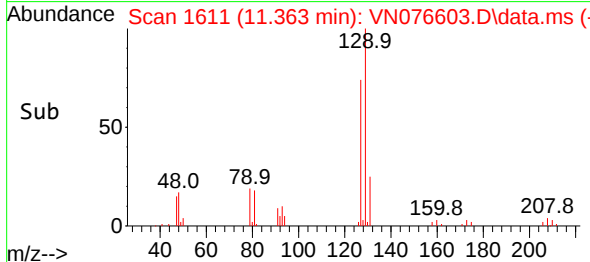
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



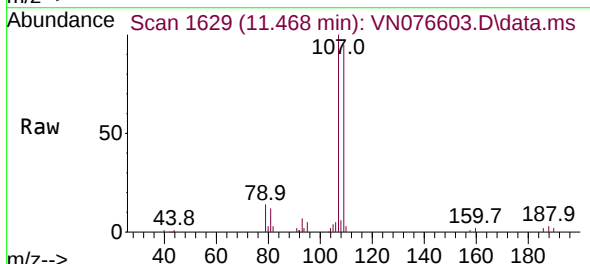
Tgt Ion:129 Resp: 77879
Ion Ratio Lower Upper
129 100
127 77.2 40.6 121.7

Manual Integrations
APPROVED

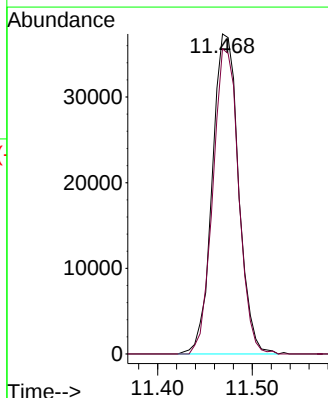
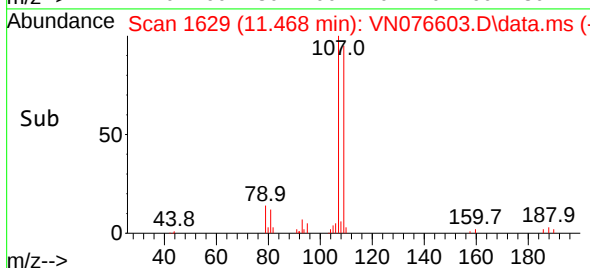
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

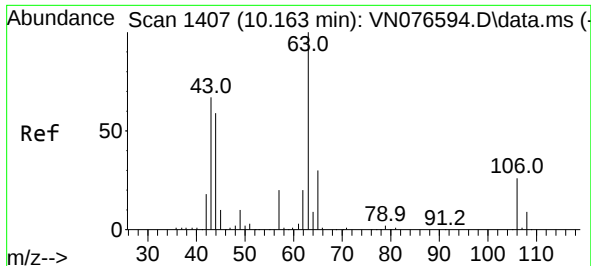


#54
1,2-Dibromoethane
Concen: 19.956 ug/l
RT: 11.468 min Scan# 1629
Delta R.T. -0.003 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



Tgt Ion:107 Resp: 72029
Ion Ratio Lower Upper
107 100
109 93.2 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 103.927 ug/l

RT: 10.163 min Scan# 1407

Delta R.T. -0.002 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion: 63 Resp: 26885

Ion Ratio Lower Upper

63 100

65 32.4 24.6 36.8

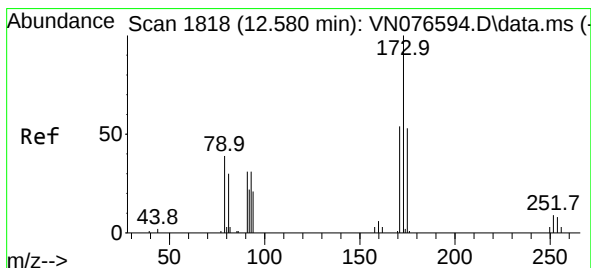
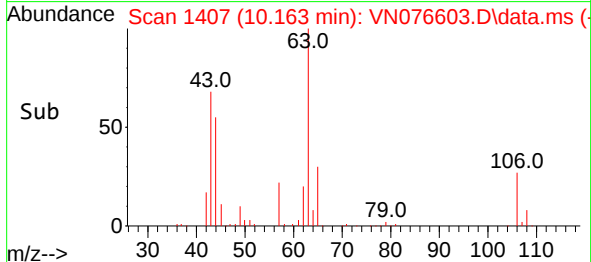
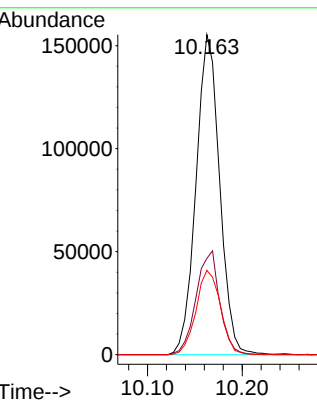
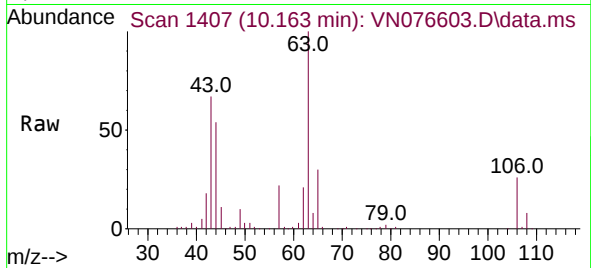
106 27.4 21.3 31.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#56

Bromoform

Concen: 20.857 ug/l

RT: 12.580 min Scan# 1818

Delta R.T. 0.004 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

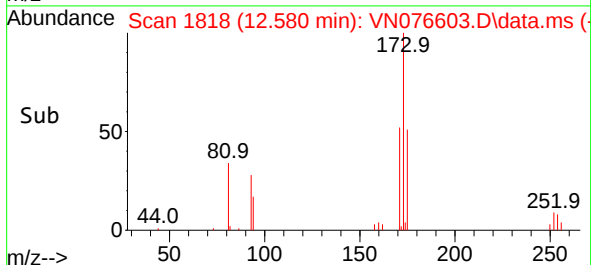
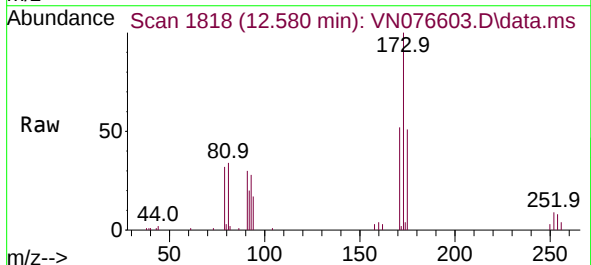
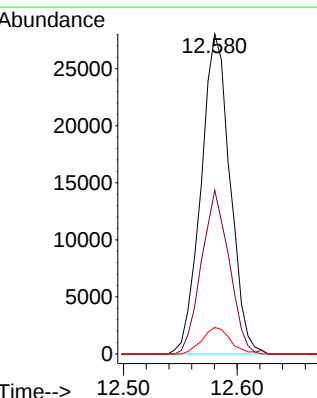
Tgt Ion:173 Resp: 49787

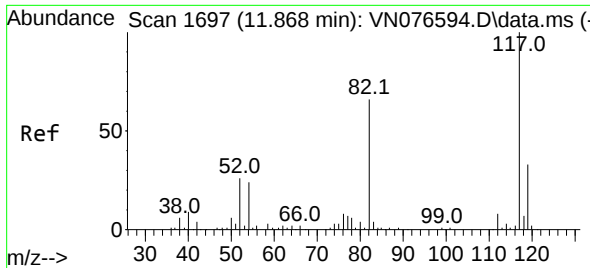
Ion Ratio Lower Upper

173 100

175 48.9 39.1 58.7

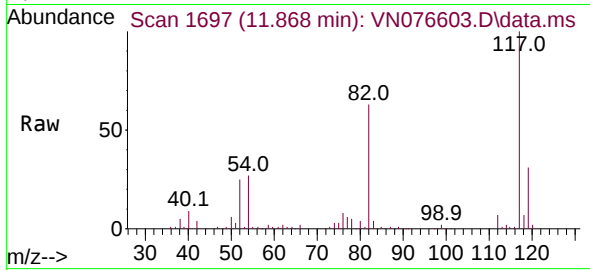
254 8.1 7.0 10.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.868 min Scan# 1697
Delta R.T. -0.003 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

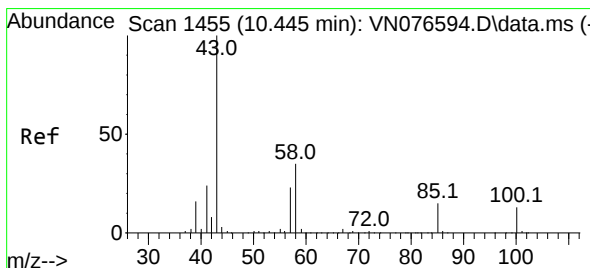
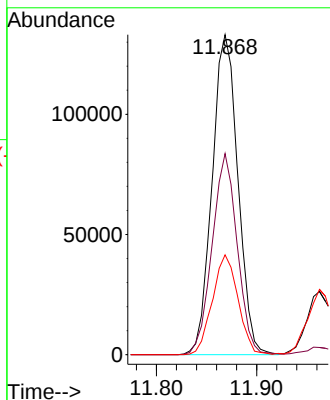
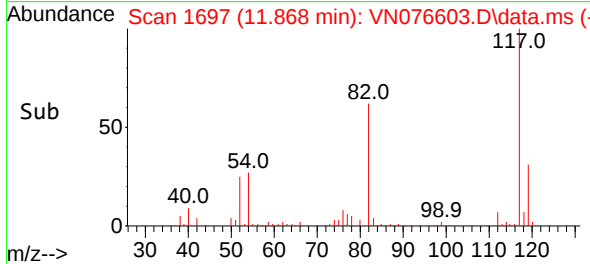
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



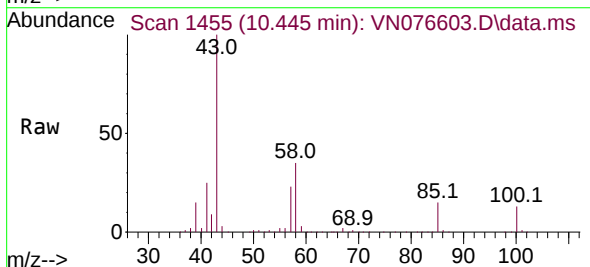
Tgt Ion:117 Resp: 237280
Ion Ratio Lower Upper
117 100
82 61.2 44.6 67.0
119 31.0 25.6 38.4

Manual Integrations
APPROVED

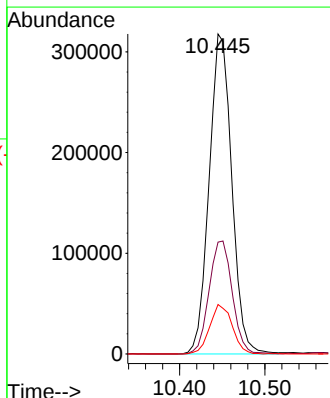
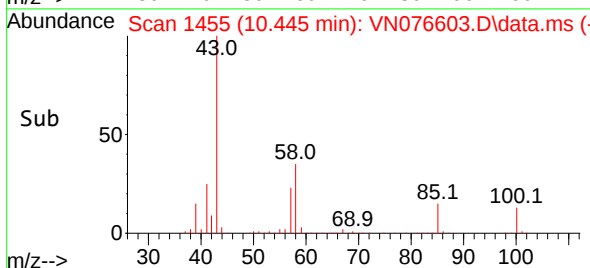
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

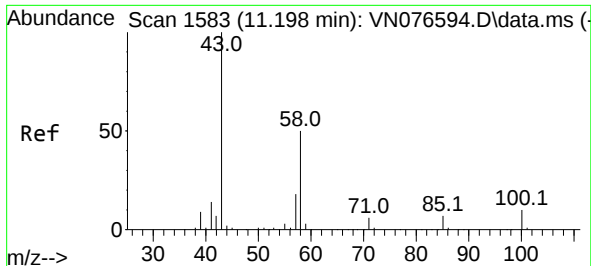


#58
4-Methyl-2-Pentanone
Concen: 88.414 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



Tgt Ion: 43 Resp: 586475
Ion Ratio Lower Upper
43 100
58 36.0 30.8 46.2
85 15.4 13.3 19.9





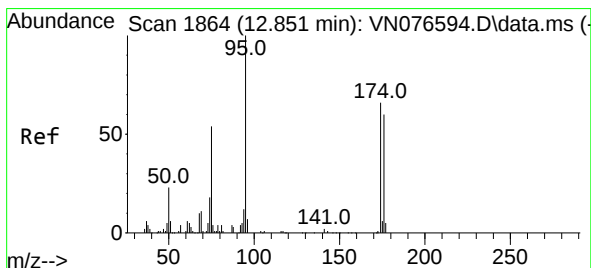
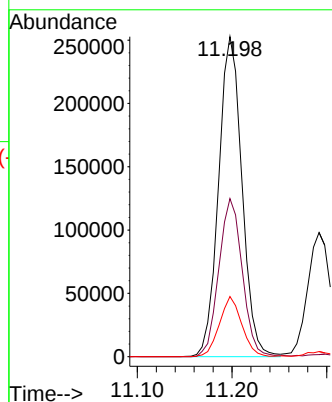
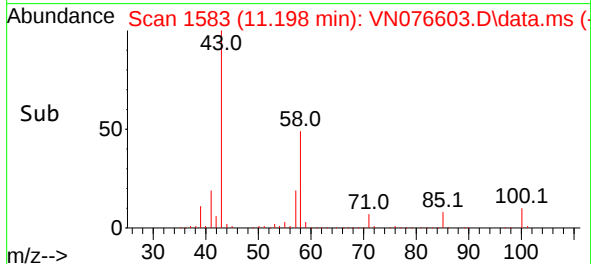
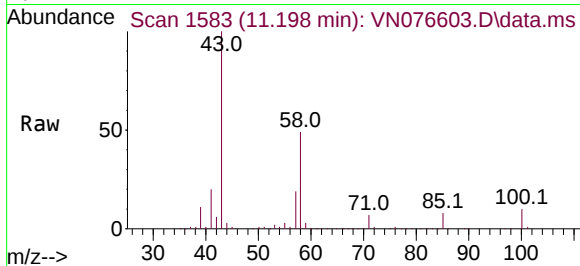
#59
2-Hexanone
Concen: 90.088 ug/l
RT: 11.198 min Scan# 1583
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion: 43 Resp: 43448
Ion Ratio Lower Upper
43 100
58 49.5 43.6 65.4
57 18.0 14.3 21.5

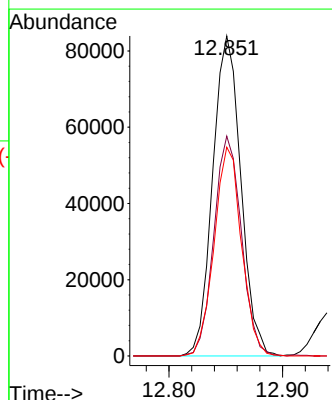
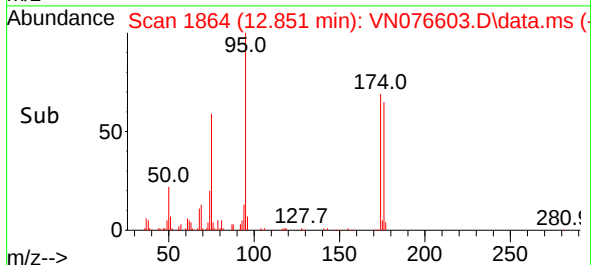
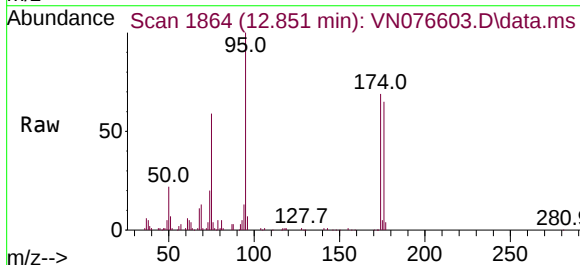
Manual Integrations
APPROVED

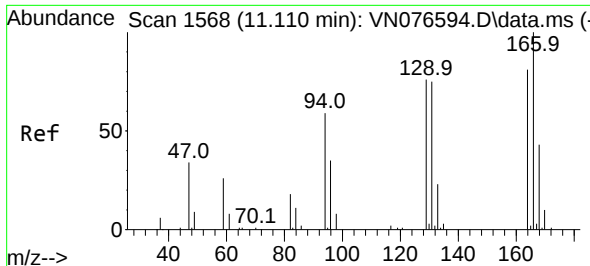
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#60
4-Bromofluorobenzene
Concen: 26.992 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

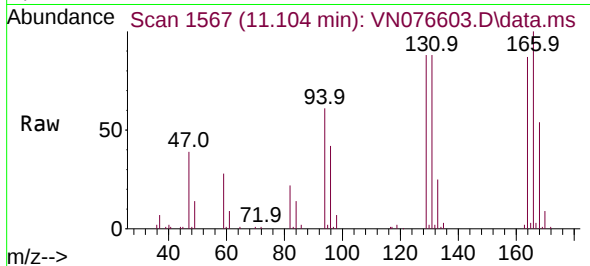
Tgt Ion: 95 Resp: 144596
Ion Ratio Lower Upper
95 100
174 67.0 57.8 86.8
176 63.5 57.0 85.4





#61
Tetrachloroethene
Concen: 18.607 ug/l
RT: 11.104 min Scan# 1568
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

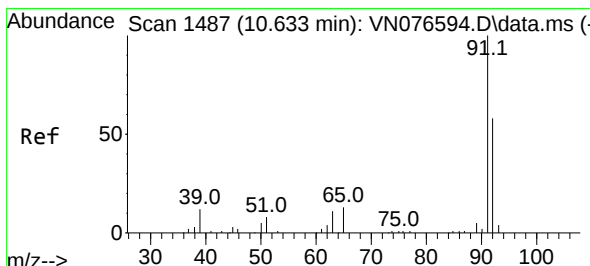
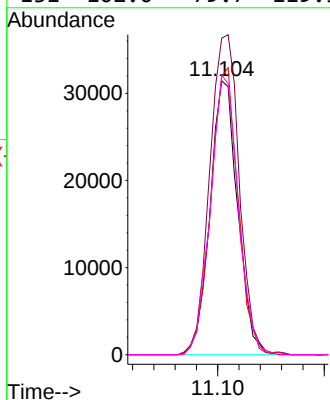
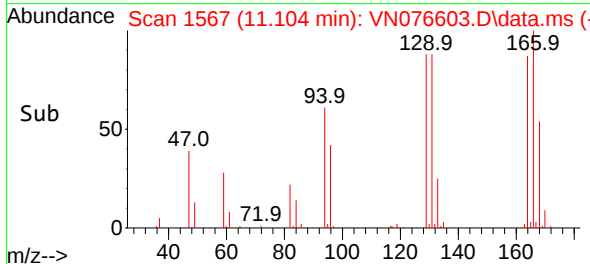
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



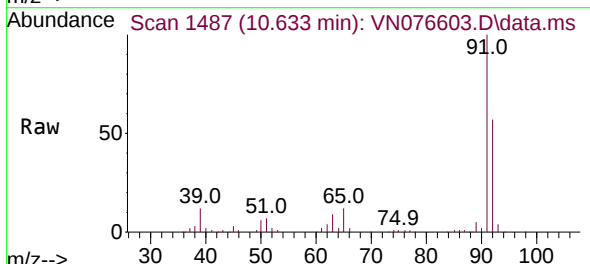
Tgt Ion:164 Resp: 56438
Ion Ratio Lower Upper
164 100
166 115.6 99.6 149.4
129 101.7 84.0 126.0
131 102.0 79.7 119.5

Manual Integrations
APPROVED

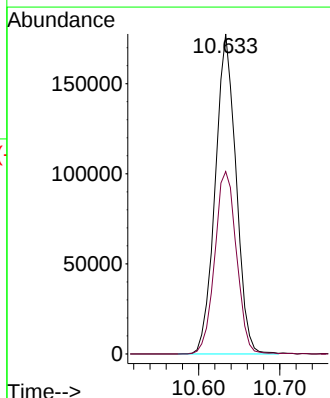
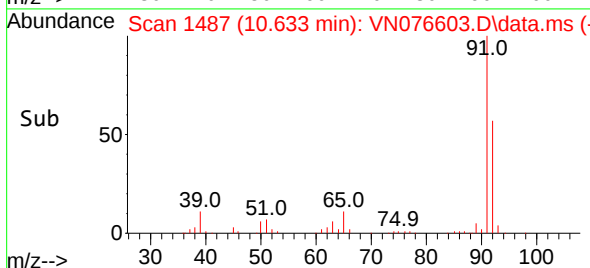
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

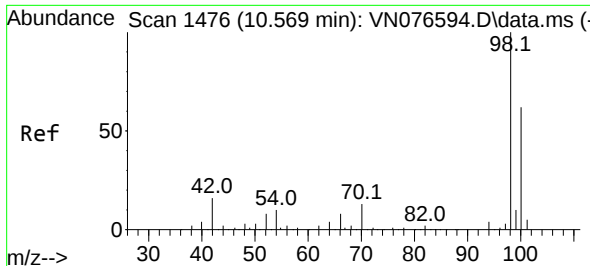


#62
Toluene
Concen: 17.985 ug/l
RT: 10.633 min Scan# 1487
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



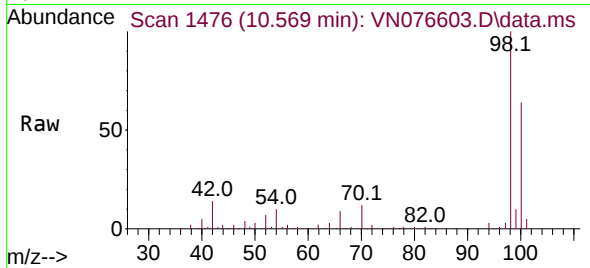
Tgt Ion: 91 Resp: 316405
Ion Ratio Lower Upper
91 100
92 59.5 46.0 69.0





#63
Toluene-d8
Concen: 28.559 ug/l
RT: 10.569 min Scan# 1476
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

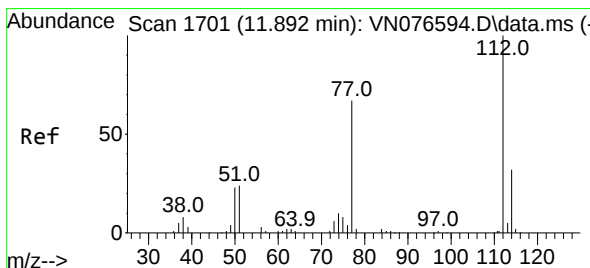
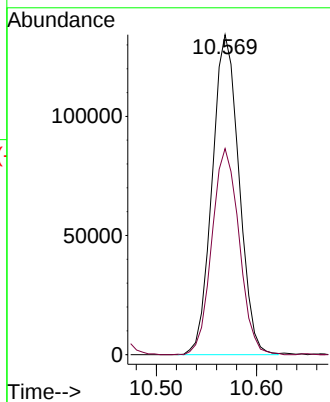
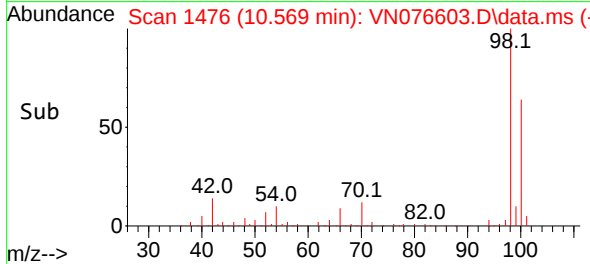
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



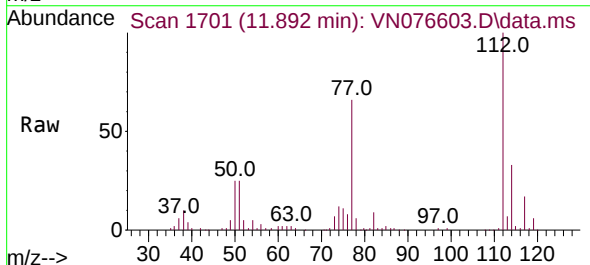
Tgt Ion: 98 Resp: 248828
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1

Manual Integrations
APPROVED

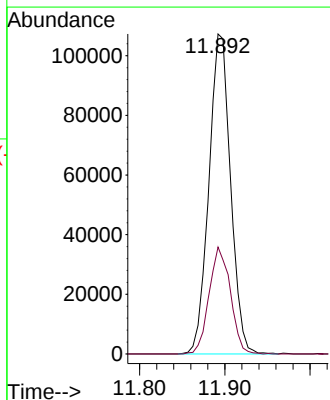
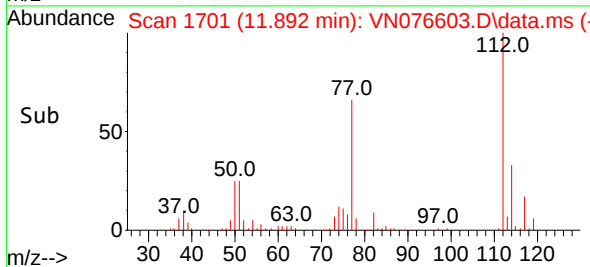
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

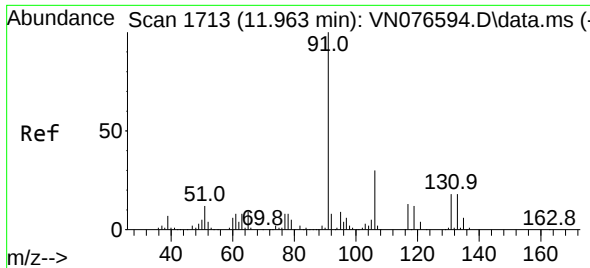


#64
Chlorobenzene
Concen: 18.615 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



Tgt Ion:112 Resp: 189707
Ion Ratio Lower Upper
112 100
114 33.4 24.7 37.1





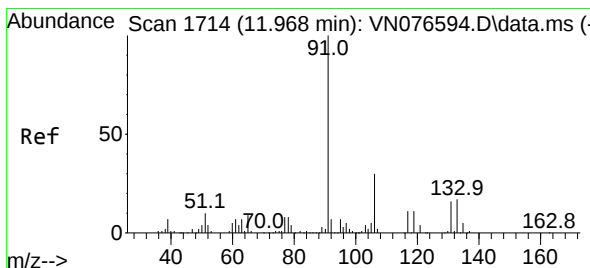
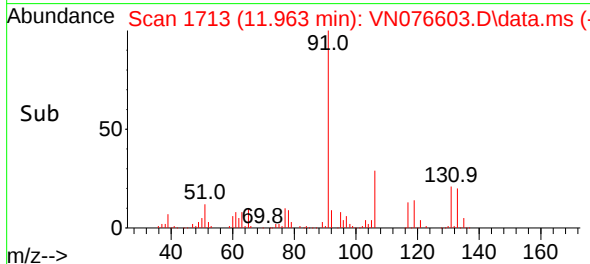
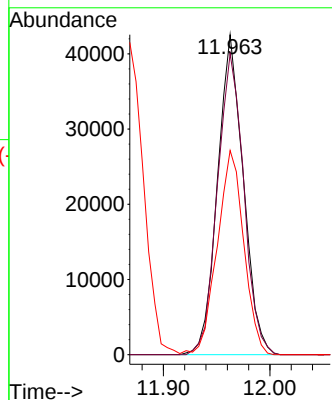
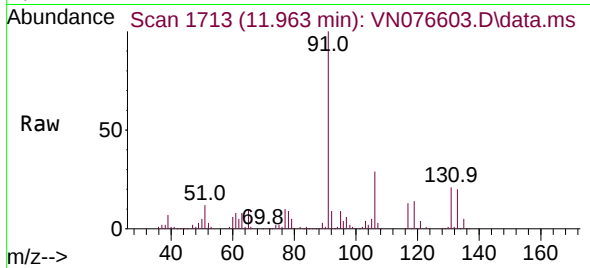
#65
1,1,1,2-Tetrachloroethane
Concen: 18.482 ug/l
RT: 11.963 min Scan# 1713
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion:131 Resp: 71407
Ion Ratio Lower Upper
131 100
133 96.1 0.0 191.8
119 65.8 0.0 135.8

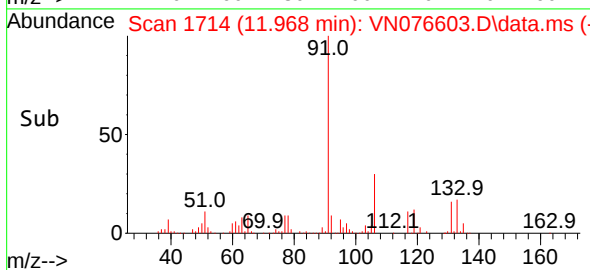
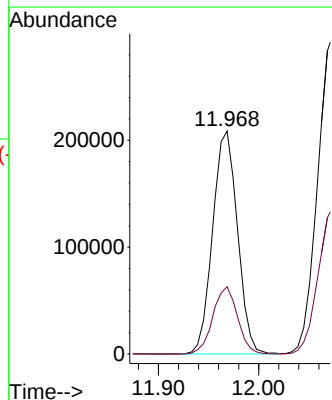
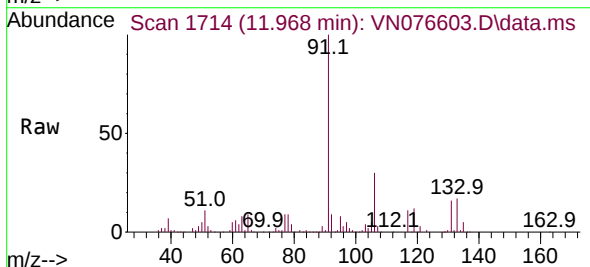
Manual Integrations
APPROVED

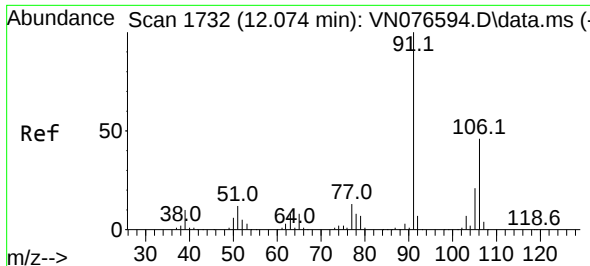
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#66
Ethyl Benzene
Concen: 18.609 ug/l
RT: 11.968 min Scan# 1714
Delta R.T. 0.003 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Tgt Ion: 91 Resp: 358907
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1





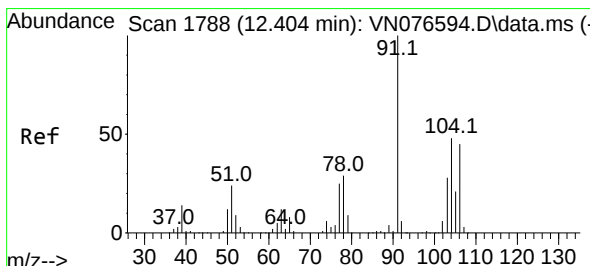
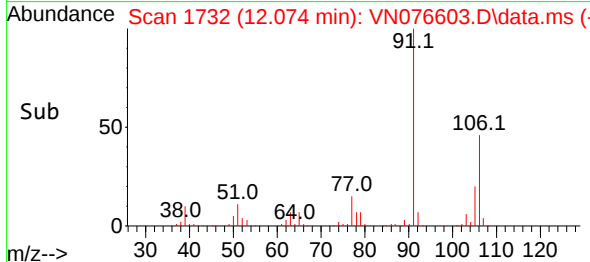
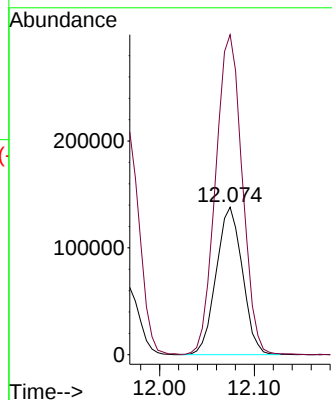
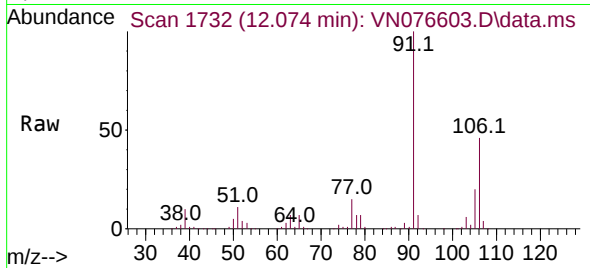
#67
m/p-Xylenes
Concen: 36.742 ug/l
RT: 12.074 min Scan# 1732
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion:106 Resp: 26587
Ion Ratio Lower Upper
106 100
91 220.8 164.2 246.4

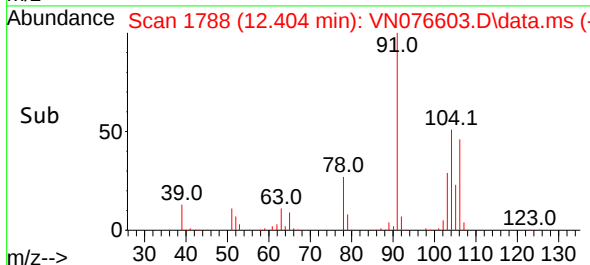
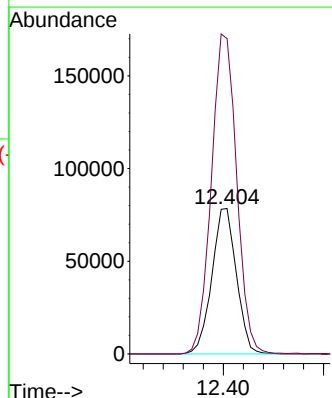
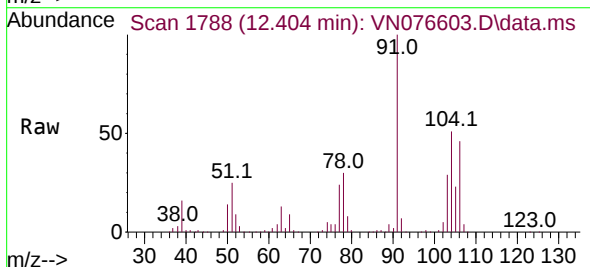
Manual Integrations
APPROVED

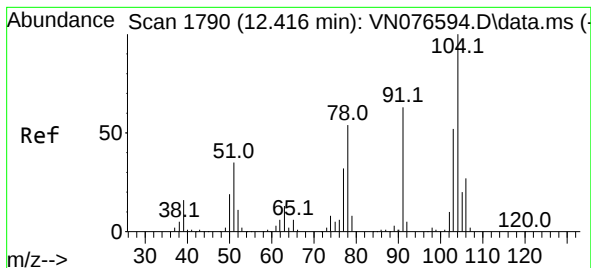
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#68
o-Xylene
Concen: 18.726 ug/l
RT: 12.404 min Scan# 1788
Delta R.T. 0.004 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Tgt Ion:106 Resp: 133498
Ion Ratio Lower Upper
106 100
91 226.7 108.5 325.5





#69

Styrene

Concen: 18.917 ug/l

RT: 12.415 min Scan# 11

Delta R.T. 0.003 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

Tgt Ion:104 Resp: 214058

Ion Ratio Lower Upper

104 100

78 57.9 39.9 59.9

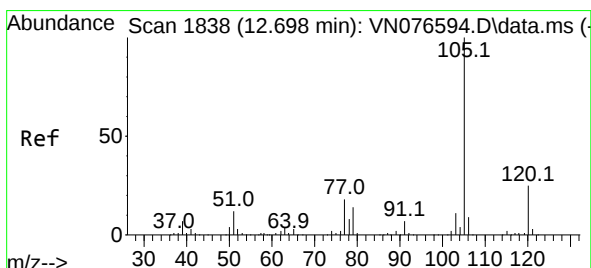
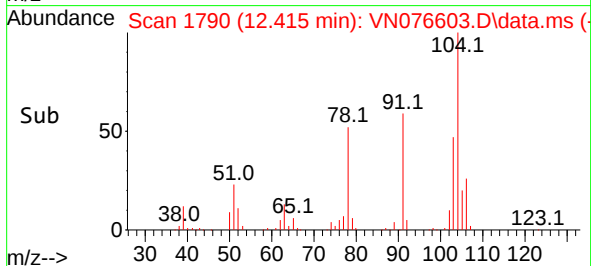
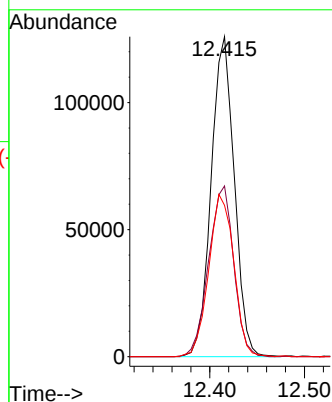
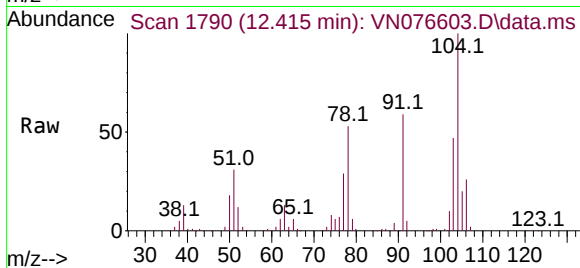
103 54.9 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#70

Isopropylbenzene

Concen: 18.569 ug/l

RT: 12.698 min Scan# 1838

Delta R.T. -0.002 min

Lab File: VN076603.D

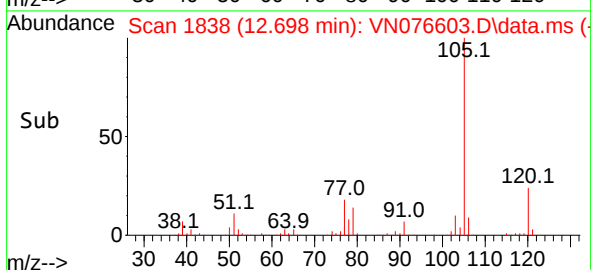
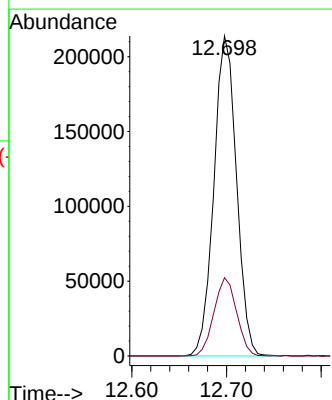
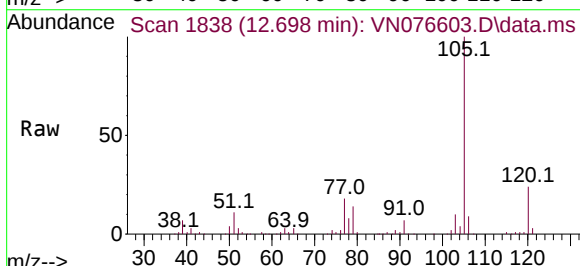
Acq: 10 Feb 2023 12:09

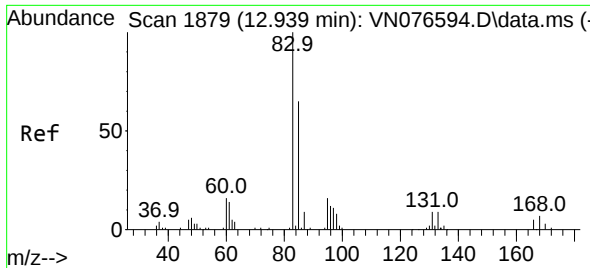
Tgt Ion:105 Resp: 354750

Ion Ratio Lower Upper

105 100

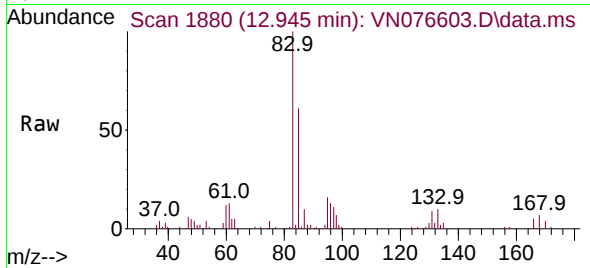
120 24.5 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 16.575 ug/l
RT: 12.945 min Scan# 1880
Delta R.T. 0.004 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

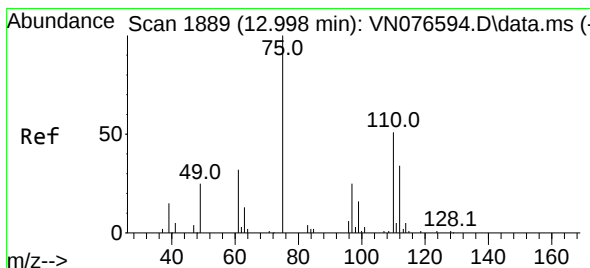
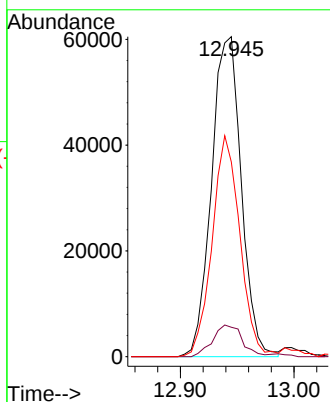
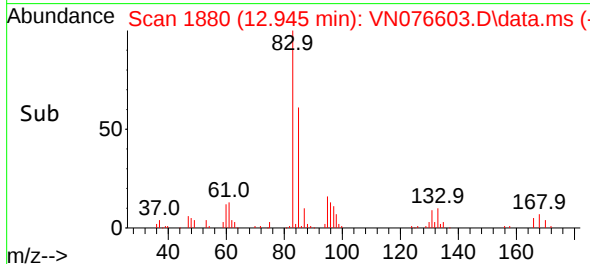
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion: 83 Resp: 110404
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.5
85 64.3 30.9 92.7

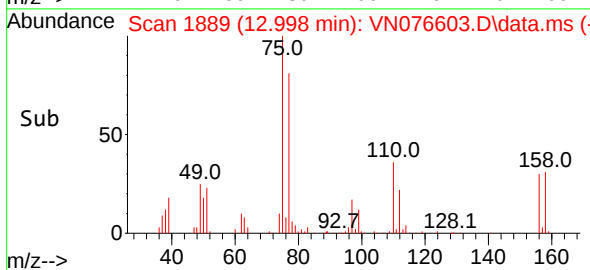
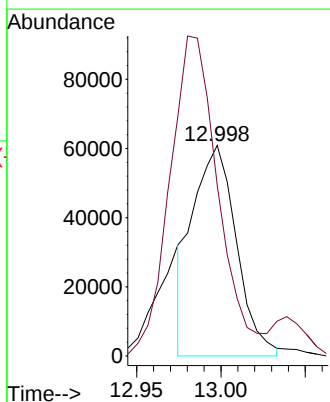
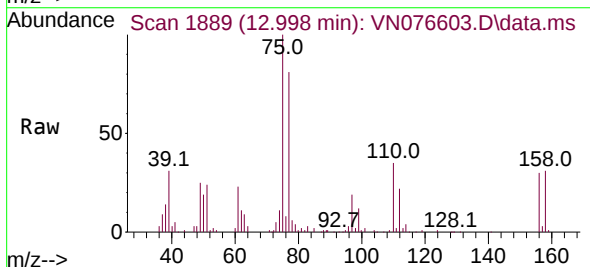
Manual Integrations
APPROVED

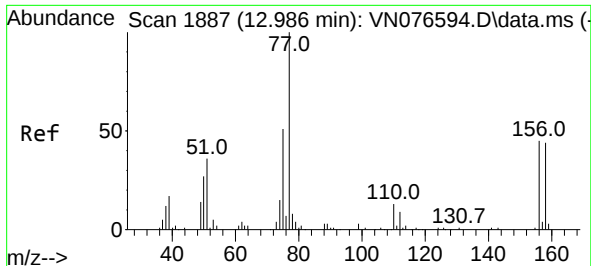
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#72
1,2,3-Trichloropropane
Concen: 17.969 ug/l m
RT: 12.998 min Scan# 1889
Delta R.T. 0.004 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Tgt Ion: 75 Resp: 109312
Ion Ratio Lower Upper
75 100
77 169.1 0.0 372.4





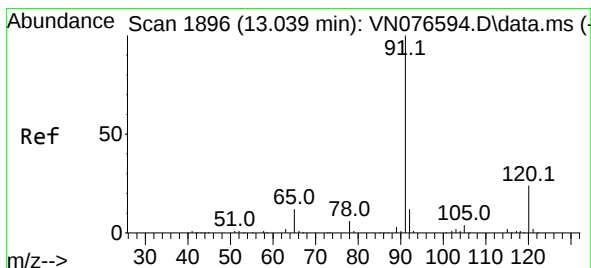
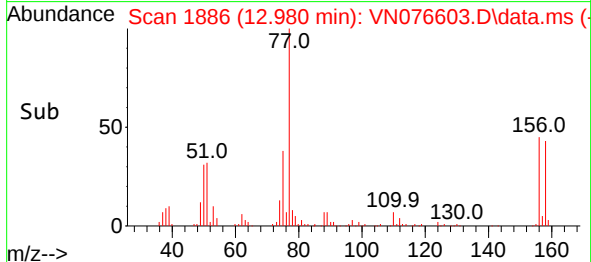
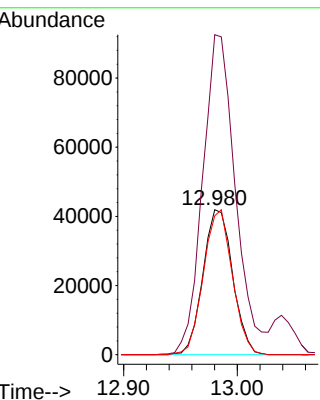
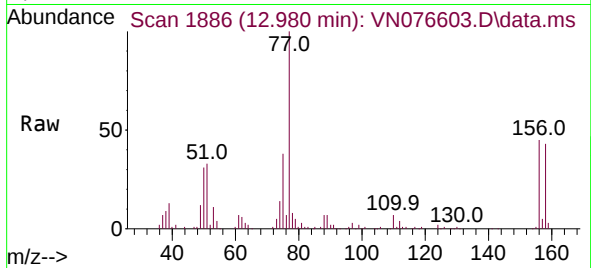
#73
Bromobenzene
Concen: 16.787 ug/l
RT: 12.980 min Scan# 1886
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01

Tgt Ion:156 Resp: 76102
Ion Ratio Lower Upper
156 100
77 242.9 0.0 491.8
158 97.2 0.0 185.0

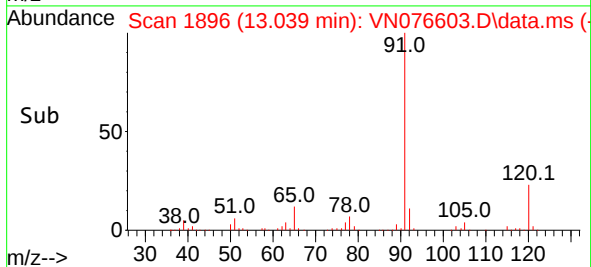
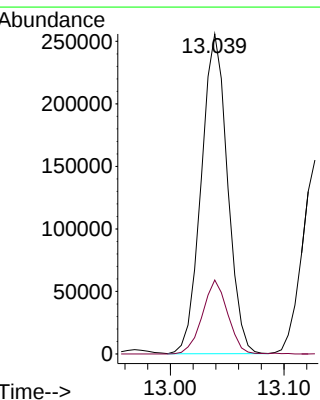
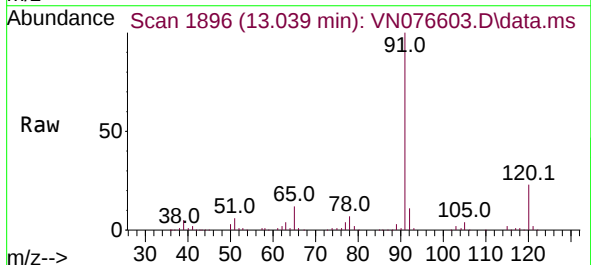
Manual Integrations
APPROVED

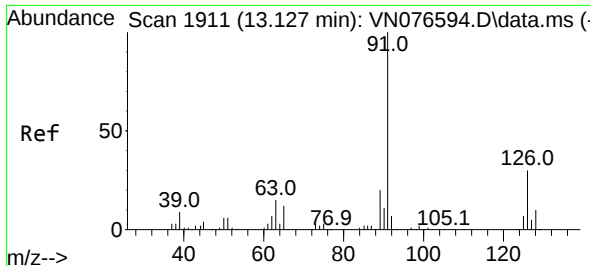
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#74
n-propylbenzene
Concen: 16.759 ug/l
RT: 13.039 min Scan# 1896
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

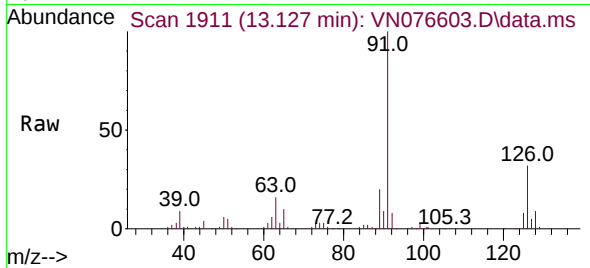
Tgt Ion: 91 Resp: 410640
Ion Ratio Lower Upper
91 100
120 22.2 0.0 44.6





#75
2-Chlorotoluene
Concen: 17.139 ug/l
RT: 13.127 min Scan# 1911
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

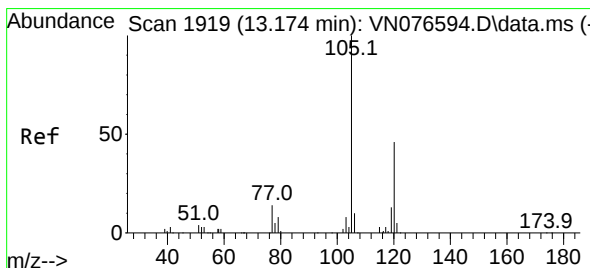
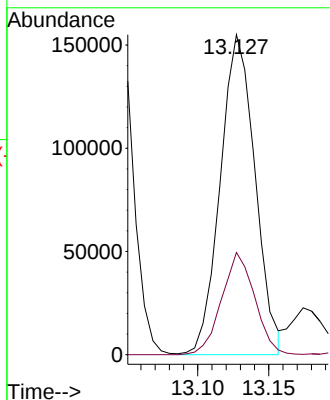
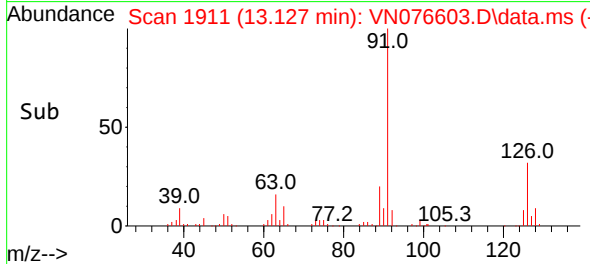
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



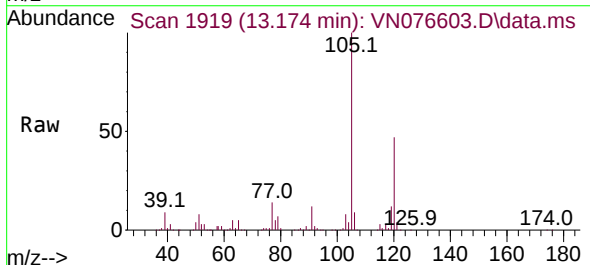
Tgt Ion: 91 Resp: 264179
Ion Ratio Lower Upper
91 100
126 30.4 0.0 66.2

Manual Integrations
APPROVED

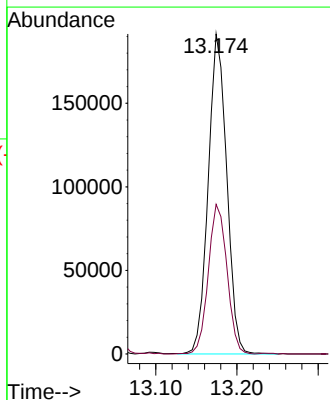
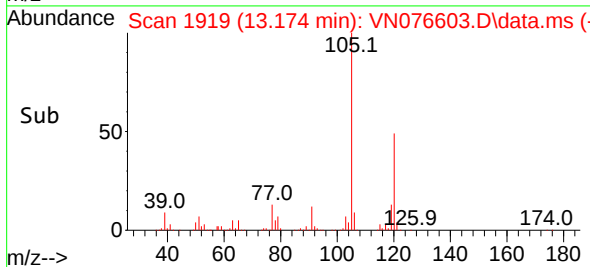
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

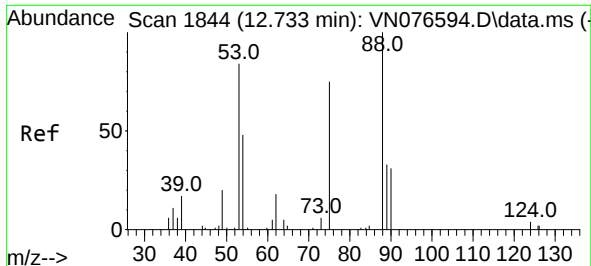


#76
1,3,5-Trimethylbenzene
Concen: 16.983 ug/l
RT: 13.174 min Scan# 1919
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



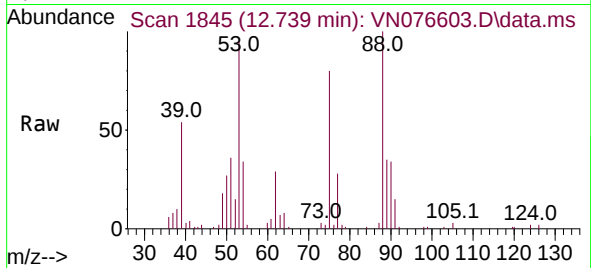
Tgt Ion:105 Resp: 302974
Ion Ratio Lower Upper
105 100
120 47.1 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 17.632 ug/l
RT: 12.739 min Scan# 1844
Delta R.T. 0.004 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

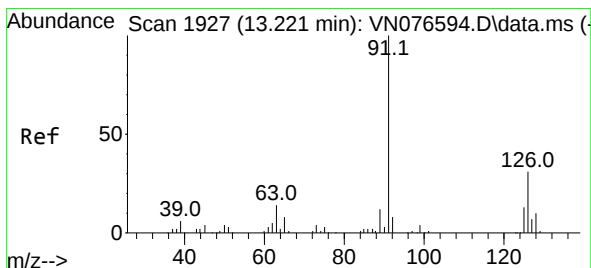
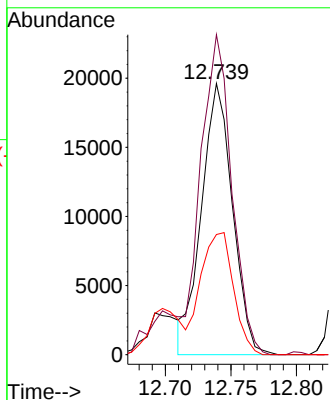
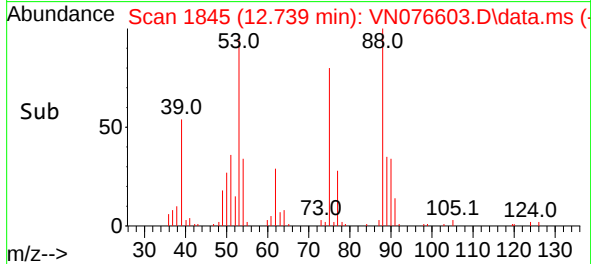
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



Tgt Ion: 75 Resp: 3235
Ion Ratio Lower Upper
75 100
53 118.0 43.3 129.9
89 44.3 21.1 63.1

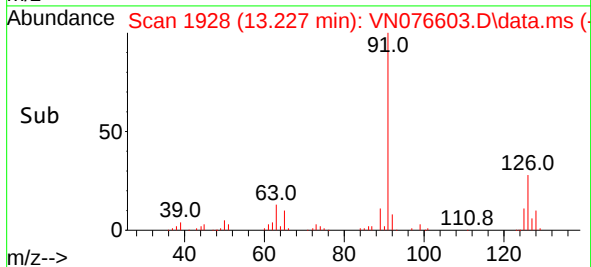
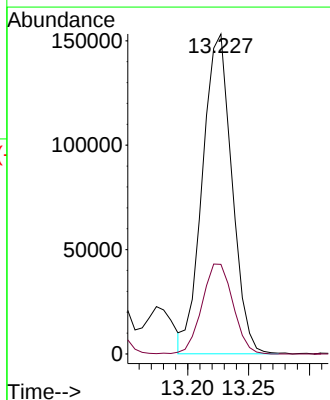
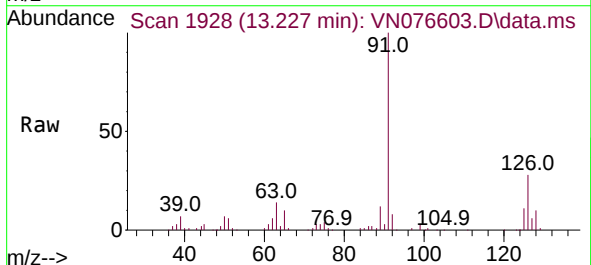
Manual Integrations
APPROVED

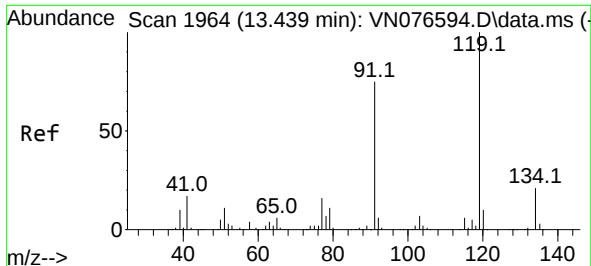
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#78
4-Chlorotoluene
Concen: 16.642 ug/l
RT: 13.227 min Scan# 1928
Delta R.T. 0.004 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

Tgt Ion: 91 Resp: 257921
Ion Ratio Lower Upper
91 100
126 29.6 0.0 67.8





#79

tert-butylbenzene

Concen: 17.304 ug/l

RT: 13.439 min Scan# 1964

Delta R.T. -0.002 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

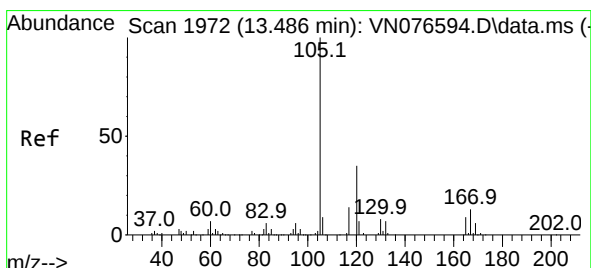
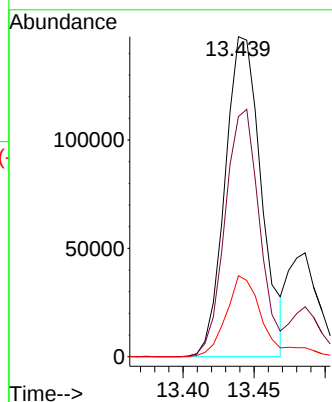
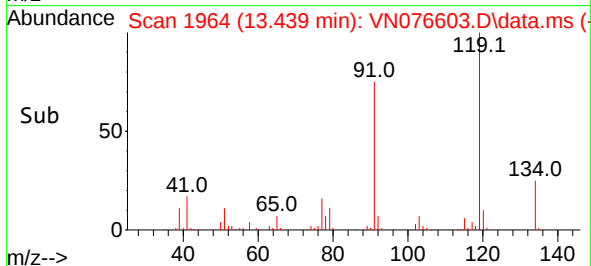
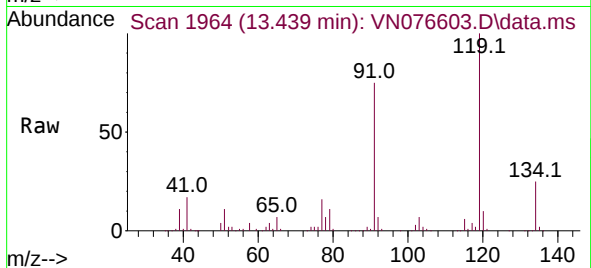
Tgt Ion:119 Resp: 262024
 Ion Ratio Lower Upper
 119 100
 91 73.7 0.0 129.0
 134 23.6 0.0 52.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#80

1,2,4-Trimethylbenzene

Concen: 17.259 ug/l

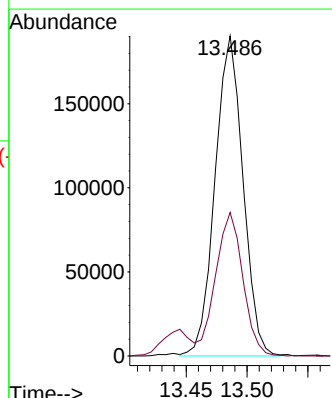
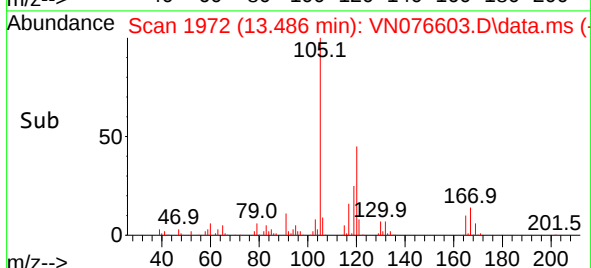
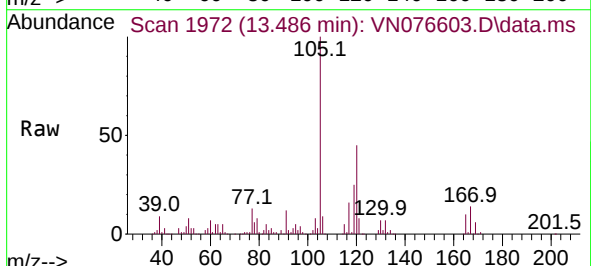
RT: 13.486 min Scan# 1972

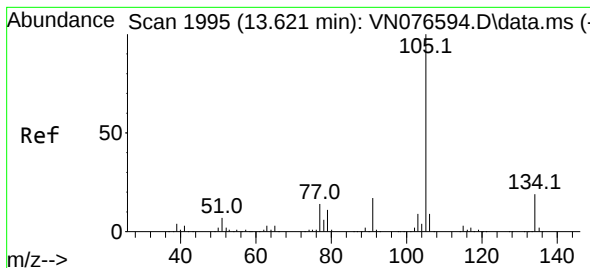
Delta R.T. 0.004 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

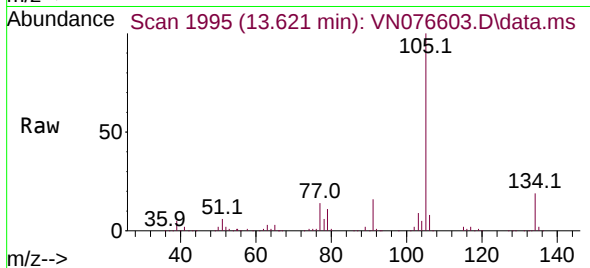
Tgt Ion:105 Resp: 303645
 Ion Ratio Lower Upper
 105 100
 120 43.8 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 16.932 ug/l
 RT: 13.621 min Scan# 1995
 Delta R.T. 0.003 min
 Lab File: VN076603.D
 Acq: 10 Feb 2023 12:09

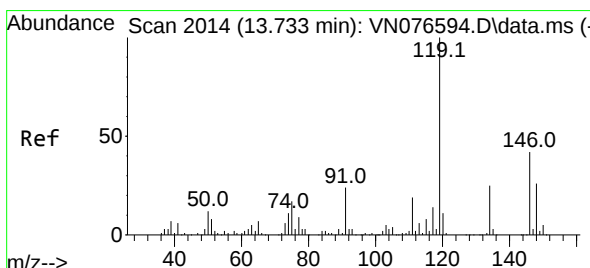
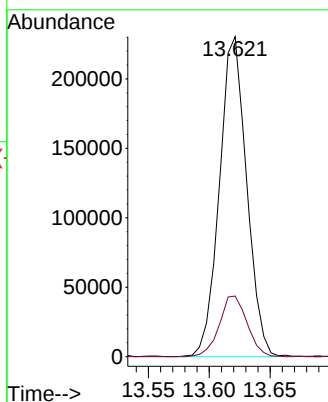
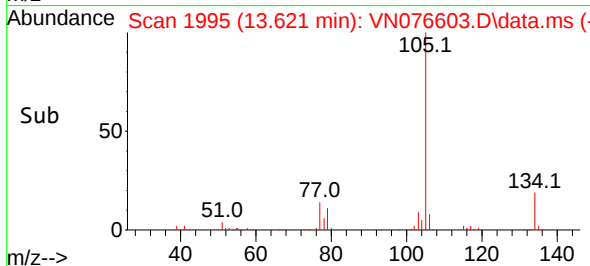
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01



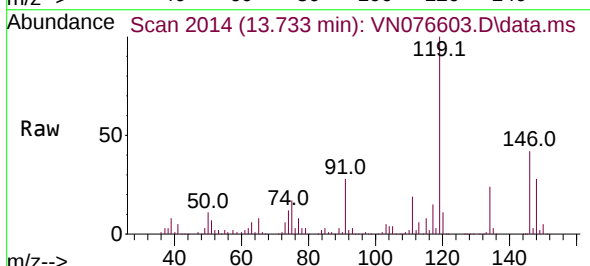
Tgt Ion:105 Resp: 35900
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 38.8

Manual Integrations
 APPROVED

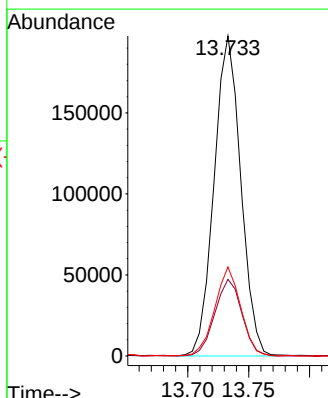
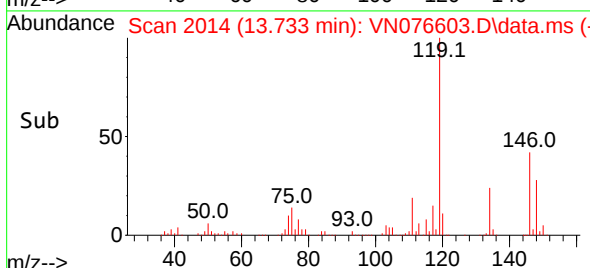
Reviewed By :John Carlone 02/13/2023
 Supervised By :Mahesh Dadoda 02/13/2023

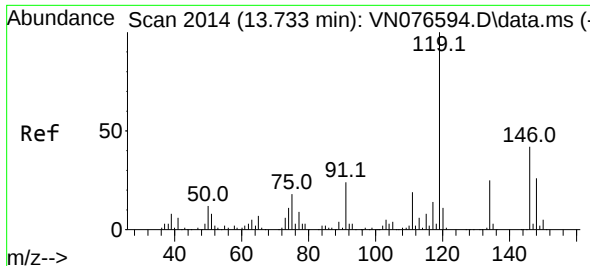


#82
 p-Isopropyltoluene
 Concen: 17.697 ug/l
 RT: 13.733 min Scan# 2014
 Delta R.T. 0.004 min
 Lab File: VN076603.D
 Acq: 10 Feb 2023 12:09



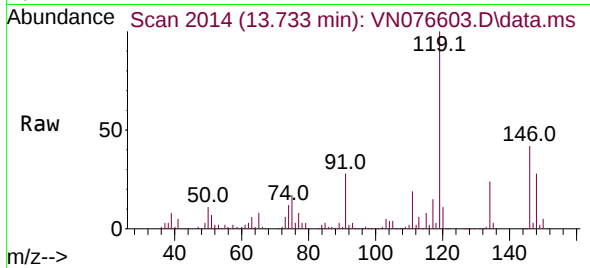
Tgt Ion:119 Resp: 301502
 Ion Ratio Lower Upper
 119 100
 134 24.2 0.0 51.4
 91 27.0 0.0 46.8





#83
1,3-Dichlorobenzene
Concen: 17.230 ug/l
RT: 13.733 min Scan# 2014
Delta R.T. -0.002 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

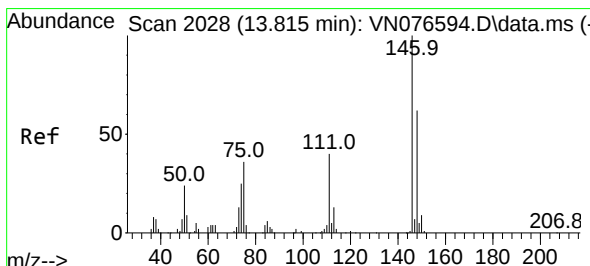
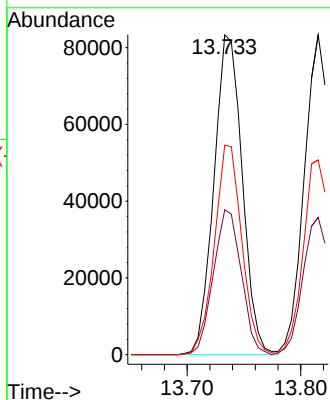
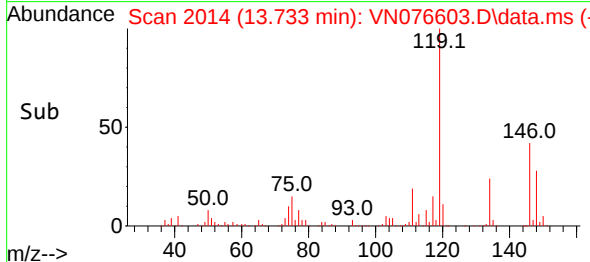
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



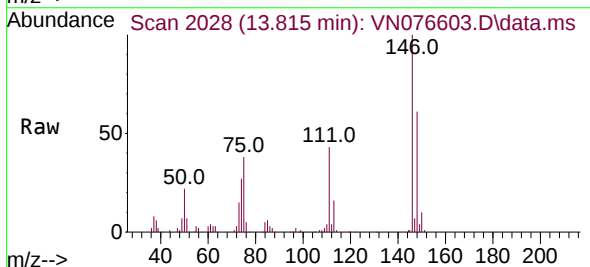
Tgt Ion:146 Resp: 14447
Ion Ratio Lower Upper
146 100
111 44.6 20.5 61.5
148 62.9 31.0 93.0

Manual Integrations
APPROVED

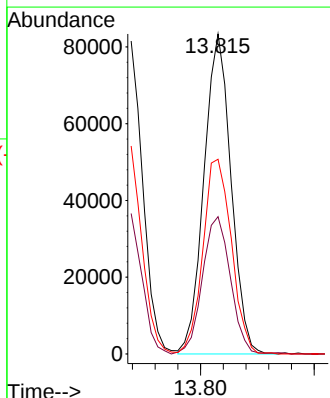
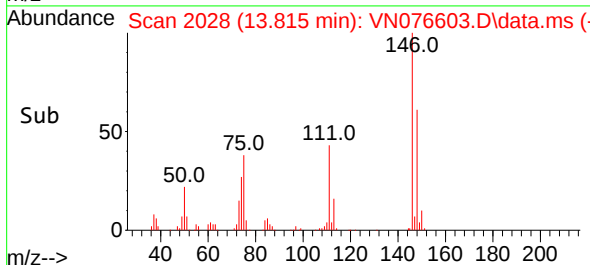
Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

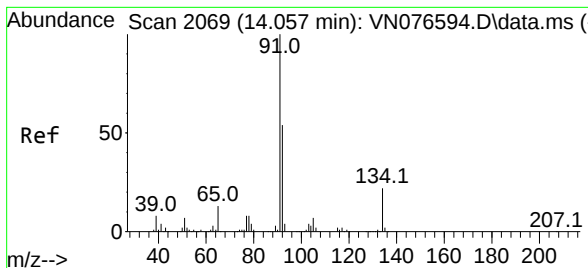


#84
1,4-Dichlorobenzene
Concen: 16.503 ug/l
RT: 13.815 min Scan# 2028
Delta R.T. 0.003 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



Tgt Ion:146 Resp: 138057
Ion Ratio Lower Upper
146 100
111 44.2 19.1 57.5
148 63.8 31.7 95.1





#85

n-Butylbenzene

Concen: 16.241 ug/l

RT: 14.062 min Scan# 2069

Delta R.T. 0.003 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

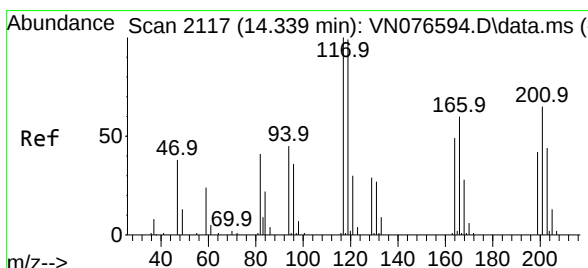
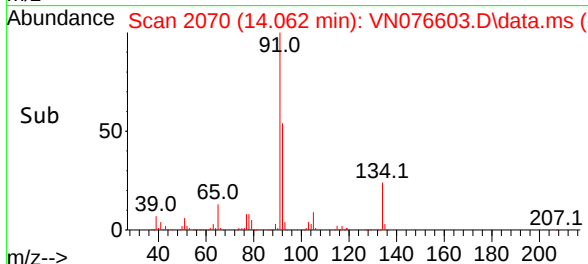
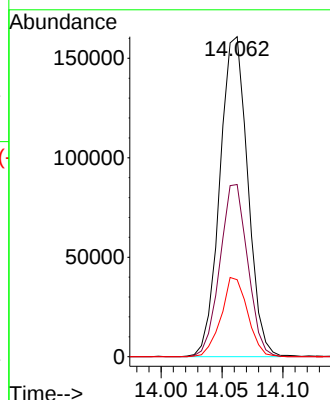
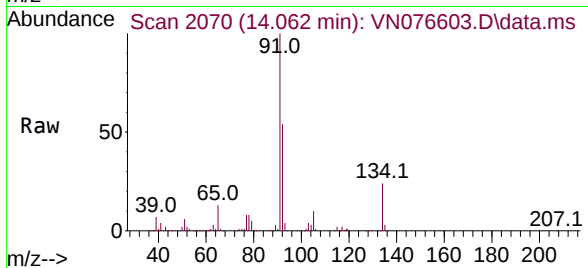
Tgt Ion: 91	Resp: 25695
Ion Ratio	Lower Upper
91	100
92	53.5 0.0 105.4
134	23.5 0.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#86

Hexachloroethane

Concen: 16.406 ug/l

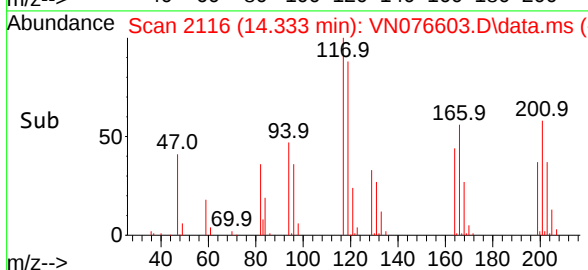
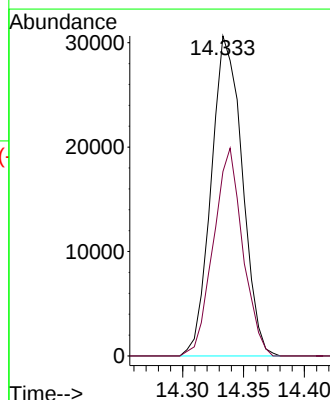
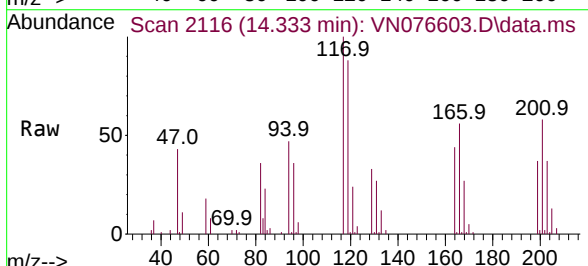
RT: 14.333 min Scan# 2116

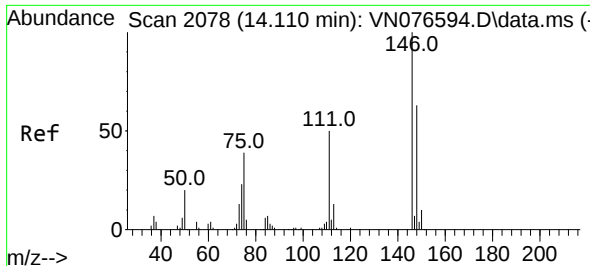
Delta R.T. 0.004 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Tgt Ion: 117	Resp: 54271
Ion Ratio	Lower Upper
117	100
201	61.6 29.4 88.3





#87

1,2-Dichlorobenzene

Concen: 15.733 ug/l

RT: 14.109 min Scan# 2078

Delta R.T. 0.003 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

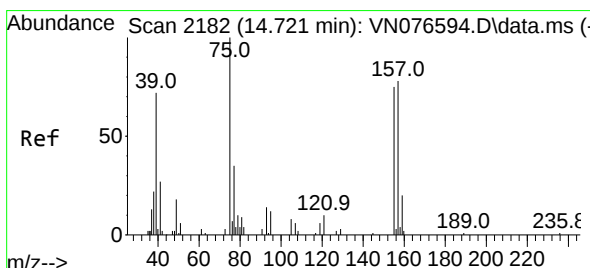
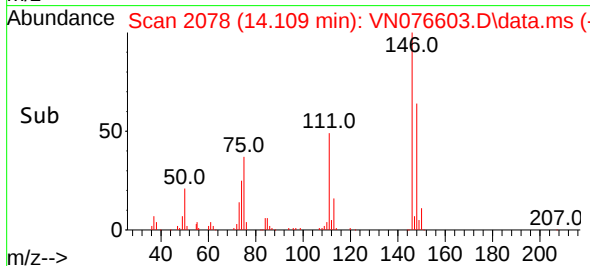
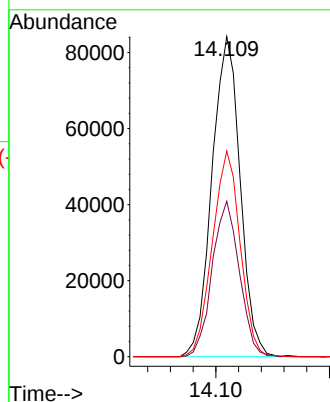
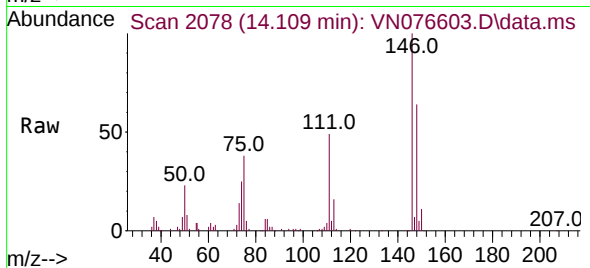
Tgt Ion:	146	Resp:	144809
Ion Ratio	Lower	Upper	
146	100		
111	46.9	21.4	64.2
148	63.2	30.6	92.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.164 ug/l

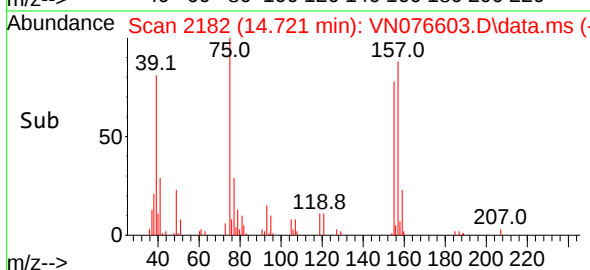
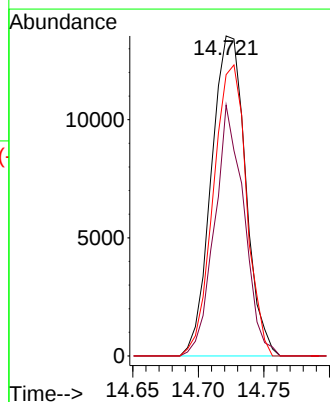
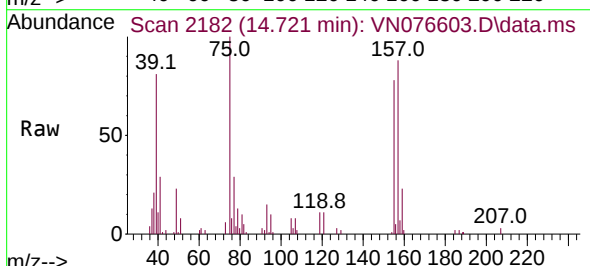
RT: 14.721 min Scan# 2182

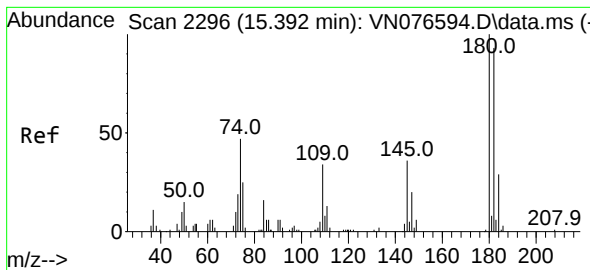
Delta R.T. 0.004 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Tgt Ion:	75	Resp:	24661
Ion Ratio	Lower	Upper	
75	100		
155	67.0	66.3	99.5
157	87.5	84.3	126.5





#89

1,2,4-Trichlorobenzene

Concen: 19.576 ug/l

RT: 15.398 min Scan# 2296

Delta R.T. 0.004 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0210WBSD01

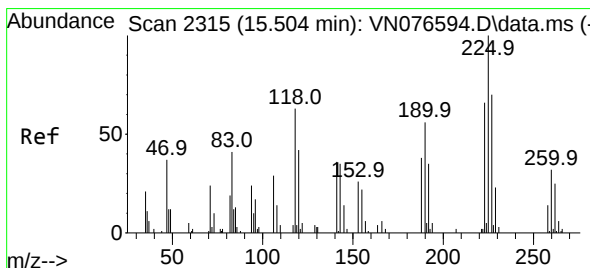
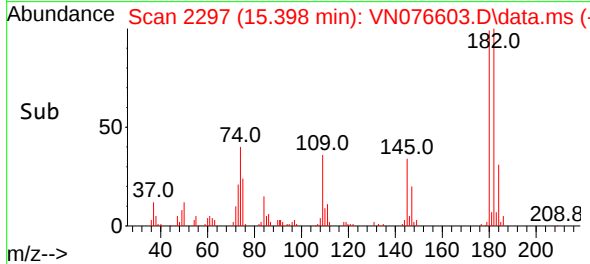
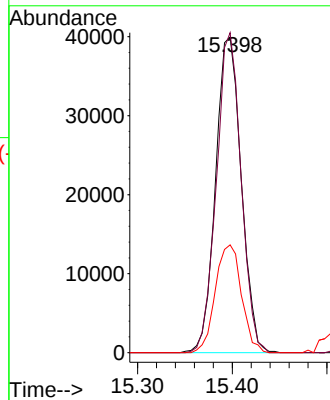
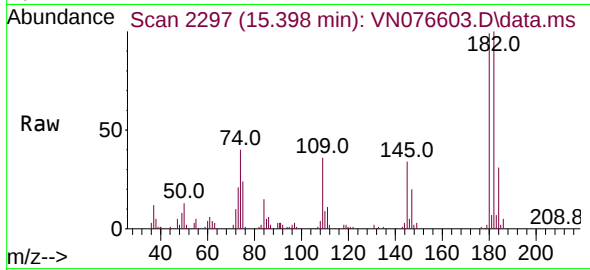
Tgt Ion:	180	Resp:	75140
Ion Ratio	Lower	Upper	
180	100		
182	97.4	74.9	112.3
145	34.9	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/13/2023

Supervised By :Mahesh Dadoda 02/13/2023



#90

Hexachlorobutadiene

Concen: 20.310 ug/l

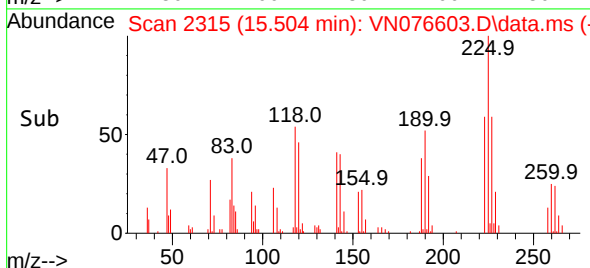
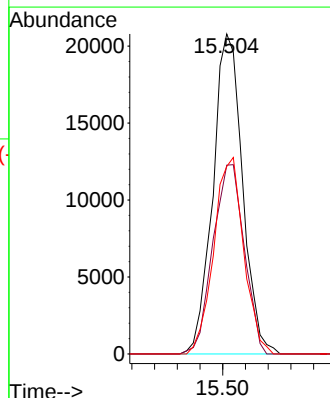
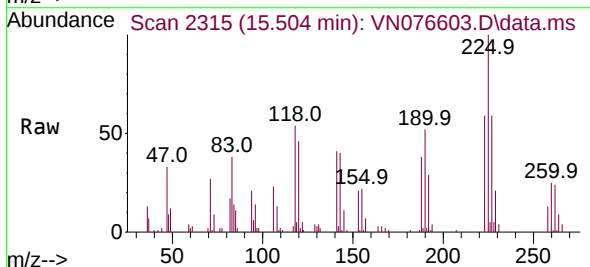
RT: 15.504 min Scan# 2315

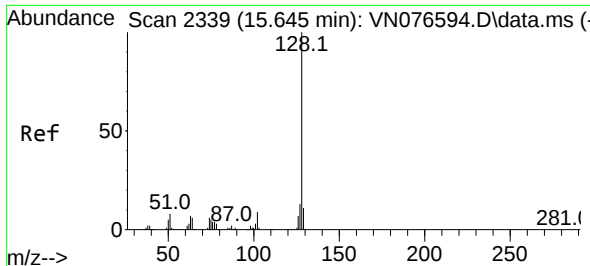
Delta R.T. 0.004 min

Lab File: VN076603.D

Acq: 10 Feb 2023 12:09

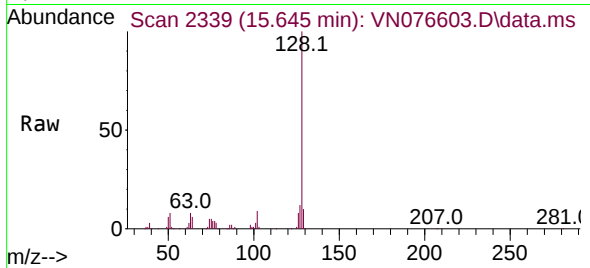
Tgt Ion:	225	Resp:	37665
Ion Ratio	Lower	Upper	
225	100		
223	62.5	0.0	125.0
227	61.9	0.0	123.0





#91
Naphthalene
Concen: 19.346 ug/l
RT: 15.645 min Scan# 2339
Delta R.T. 0.004 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09

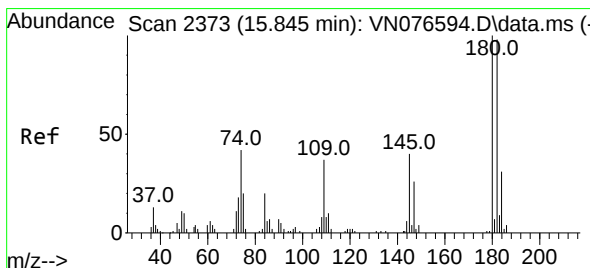
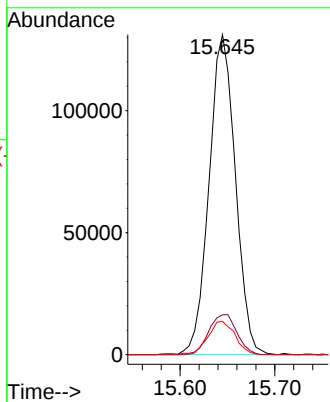
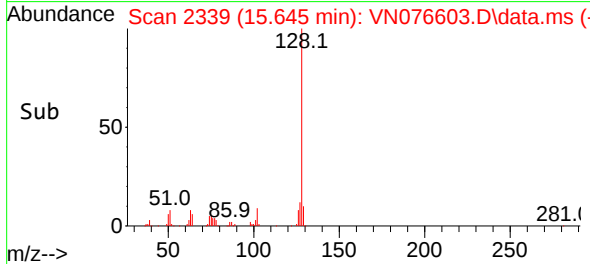
Instrument :
MSVOA_N
ClientSampleId :
VN0210WBSD01



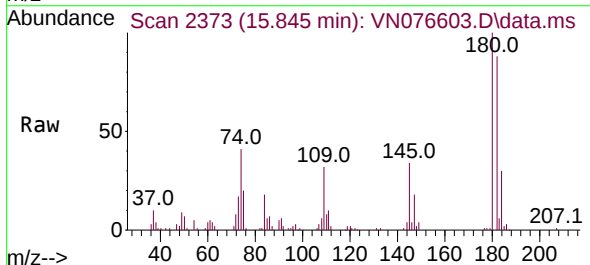
Tgt Ion:128 Resp: 253389
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.6 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023



#92
1,2,3-Trichlorobenzene
Concen: 20.067 ug/l
RT: 15.845 min Scan# 2373
Delta R.T. 0.004 min
Lab File: VN076603.D
Acq: 10 Feb 2023 12:09



Tgt Ion:180 Resp: 76883
Ion Ratio Lower Upper
180 100
182 91.3 0.0 185.4
145 35.3 0.0 68.6

