

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070034.D
 Acq On : 13 Dec 2021 16:04
 Operator : JC/MD
 Sample : VN1213WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2021
 Supervised By : Amit Patel 12/15/2021

Quant Time: Dec 14 05:27:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 14 00:59:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	165062	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	902008	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.744	117	817914	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	449041	30.698	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.333%			
60) 4-Bromofluorobenzene	12.731	95	393188	29.215	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.367%			
63) Toluene-d8	10.440	98	1161985	30.743	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.467%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.075	85	251432	20.990	ug/l	99
3) Chloromethane	2.303	50	280212	20.423	ug/l	98
4) Vinyl Chloride	2.448	62	254010	19.675	ug/l	99
5) Bromomethane	2.864	94	146737	20.793	ug/l	100
6) Chloroethane	3.022	64	146158	19.717	ug/l	100
7) Trichlorofluoromethane	3.379	101	342668	20.331	ug/l	98
8) Diethyl Ether	3.824	74	137440	20.551	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.210	101	201896	20.394	ug/l	# 71
10) 1,1-Dichloroethene	4.181	96	182701	19.402	ug/l	# 82
11) Methyl Iodide	4.419	142	253813	19.262	ug/l	98
12) Methyl Acetate	4.857	43	493812	21.289	ug/l	# 88
13) Acrolein	4.041	56	177730	94.660	ug/l	100
14) Acrylonitrile	5.557	53	701026	104.673	ug/l	99
15) Acetone	4.288	58	213797	87.975	ug/l	77
16) Carbon Disulfide	4.527	76	549119	19.353	ug/l	98
17) Allyl chloride	4.840	41	418206	19.748	ug/l	86
18) Methylene Chloride	5.093	84	231083	20.358	ug/l	# 82
19) trans-1,2-Dichloroethene	5.597	96	197645	19.761	ug/l	85
20) Diisopropyl ether	6.498	45	839269	20.692	ug/l	# 94
21) 1,1-Dichloroethane	6.388	63	424863	19.871	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	238094	20.112	ug/l	90
23) tert-Butyl Alcohol	5.380	59	228744	108.045	ug/l	# 100
24) Methyl tert-Butyl Ether	5.618	73	702109	20.997	ug/l	95
25) Chloroform	7.817	83	426662	20.084	ug/l	99
26) Cyclohexane	8.094	56	388051	19.607	ug/l	# 84
29) 1,1-Dichloropropene	8.222	75	307501	19.799	ug/l	97
30) 2-Butanone	7.337	43	1065398	99.704	ug/l	# 91
31) 2,2-Dichloropropane	7.324	77	312991	19.271	ug/l	96
32) 1,1,1-Trichloroethane	8.013	97	363101	20.186	ug/l	95
33) Carbon Tetrachloride	8.206	117	316532	19.797	ug/l	99
34) Benzene	8.461	78	931558	20.288	ug/l	# 96
35) Methacrylonitrile	7.638	41	210235	21.269	ug/l	89
36) 1,2-Dichloroethane	8.531	62	373893	20.628	ug/l	98
37) Trichloroethene	9.215	130	216746	19.846	ug/l	90
38) Methylcyclohexane	9.462	83	359639	19.480	ug/l	87
39) 1,2-Dichloropropane	9.491	63	251743	20.565	ug/l	98
40) Dibromomethane	9.577	93	168192	20.829	ug/l	95
41) Bromodichloromethane	9.762	83	347416	20.347	ug/l	95
42) Vinyl Acetate	6.436	43	3284640	104.642	ug/l	# 94

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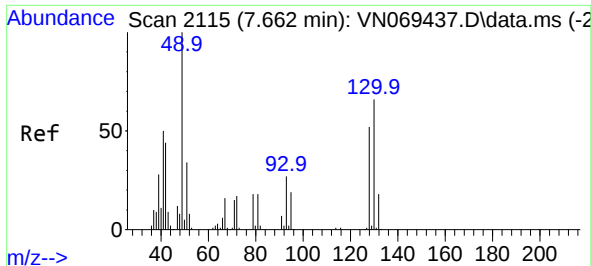
Manual Integrations
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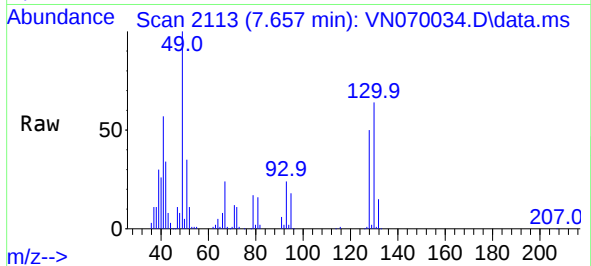
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.413	43	382156	20.590	ug/l	96
44) Isopropyl Acetate	8.560	43	632914	21.185	ug/l	96
45) 1,4-Dioxane	9.569	88	94953	449.134	ug/l #	82
46) Methyl methacrylate	9.561	41	293241	20.725	ug/l	80
47) n-amyl Acetate	12.390	43	408219	19.594	ug/l	99
48) t-1,3-Dichloropropene	10.717	75	335825	19.555	ug/l	99
49) cis-1,3-Dichloropropene	10.188	75	368954	19.796	ug/l	93
50) 1,1,2-Trichloroethane	10.899	97	226515	20.638	ug/l	98
51) Ethyl methacrylate	10.760	69	358411	20.431	ug/l	88
52) 1,3-Dichloropropane	11.044	76	401332	20.651	ug/l	99
53) Dibromochloromethane	11.237	129	243717	19.767	ug/l	100
54) 1,2-Dibromoethane	11.347	107	231970	20.743	ug/l	99
55) 2-Chloroethyl vinyl ether	10.041	63	309813	90.089	ug/l	96
56) Bromoform	12.457	173	184746	19.681	ug/l #	100
58) 4-Methyl-2-Pentanone	10.331	43	2054370	109.433	ug/l #	94
59) 2-Hexanone	11.084	43	1468416	105.804	ug/l	94
61) Tetrachloroethene	10.977	164	196226	20.541	ug/l	95
62) Toluene	10.505	91	990655	20.595	ug/l	99
64) Chlorobenzene	11.771	112	577304	20.222	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.840	131	224469	20.876	ug/l	97
66) Ethyl Benzene	11.846	91	1072382	20.053	ug/l	99
67) m/p-Xylenes	11.953	106	803441	41.122	ug/l	96
68) o-Xylene	12.280	106	389314	20.139	ug/l	95
69) Styrene	12.294	104	630141	19.999	ug/l	97
70) Isopropylbenzene	12.578	105	1015629	20.025	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	355639	21.379	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	335533m	21.676	ug/l	
73) Bromobenzene	12.860	156	239458	20.344	ug/l	91
74) n-propylbenzene	12.921	91	1164939	19.816	ug/l	98
75) 2-Chlorotoluene	13.007	91	720092	20.017	ug/l	96
76) 1,3,5-Trimethylbenzene	13.058	105	845822	20.297	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	95368	19.592	ug/l	89
78) 4-Chlorotoluene	13.106	91	688556	19.959	ug/l	93
79) tert-butylbenzene	13.324	119	718977	19.880	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	811567m	20.140	ug/l	
81) sec-Butylbenzene	13.501	105	991178	19.641	ug/l	99
82) p-Isopropyltoluene	13.616	119	787253	19.581	ug/l	100
83) 1,3-Dichlorobenzene	13.616	146	406369	20.413	ug/l	99
84) 1,4-Dichlorobenzene	13.694	146	380785	19.885	ug/l	98
85) n-Butylbenzene	13.943	91	623247	18.555	ug/l	99
86) Hexachloroethane	14.209	117	152081	18.961	ug/l	89
87) 1,2-Dichlorobenzene	13.989	146	388650	20.322	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	65696	20.646	ug/l	96
89) 1,2,4-Trichlorobenzene	15.263	180	174812	19.648	ug/l	97
90) Hexachlorobutadiene	15.370	225	110653	20.896	ug/l	98
91) Naphthalene	15.507	128	454758	21.857	ug/l	99
92) 1,2,3-Trichlorobenzene	15.700	180	171849	20.443	ug/l	99

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

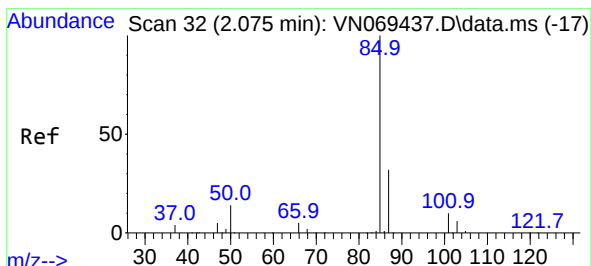
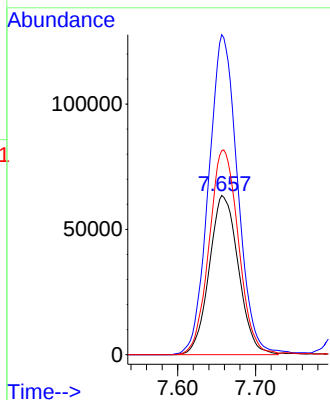
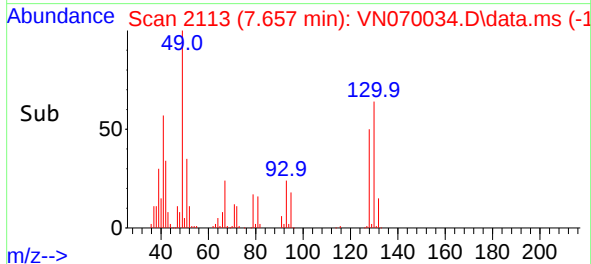
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion:128 Resp: 165062
Ion Ratio Lower Upper
128 100
49 200.7 0.0 392.3
130 129.8 0.0 320.2

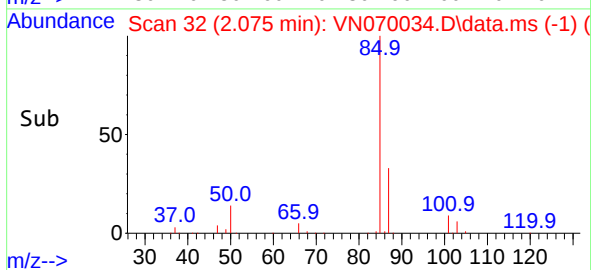
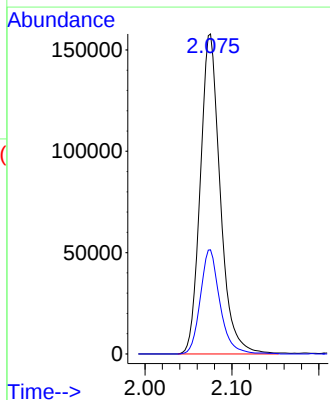
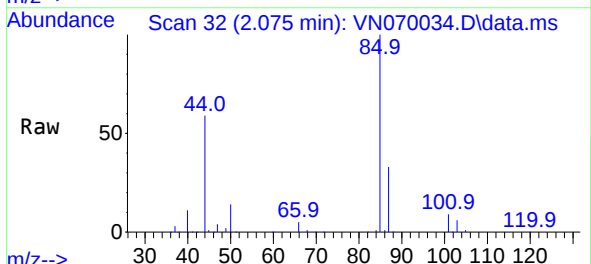
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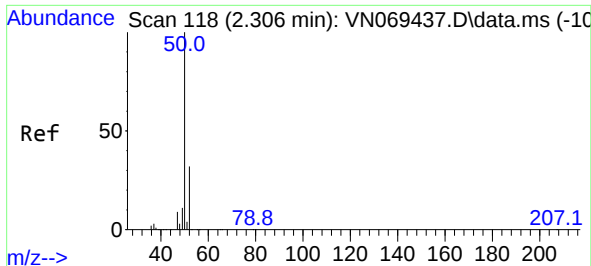
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#2
Dichlorodifluoromethane
Concen: 20.990 ug/l
RT: 2.075 min Scan# 32
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion: 85 Resp: 251432
Ion Ratio Lower Upper
85 100
87 32.6 16.6 49.7





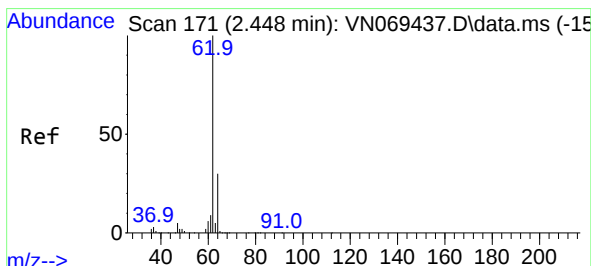
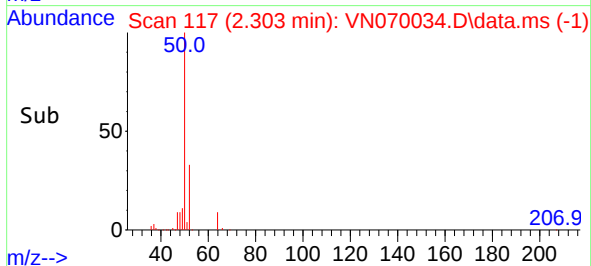
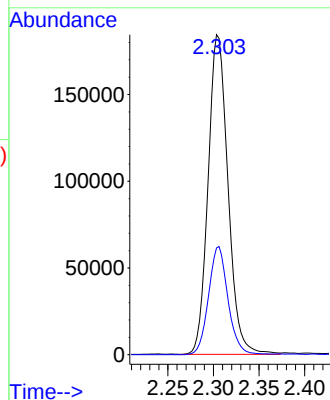
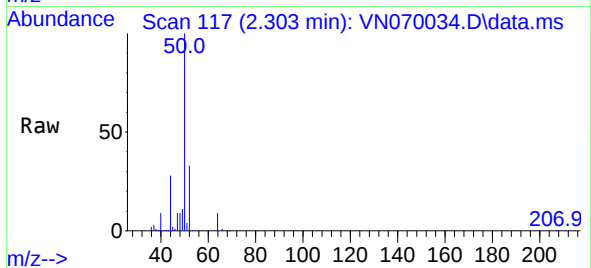
#3
Chloromethane
Concen: 20.423 ug/l
RT: 2.303 min Scan# 118
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion: 50 Resp: 28021
Ion Ratio Lower Upper
50 100
52 33.4 27.8 41.6

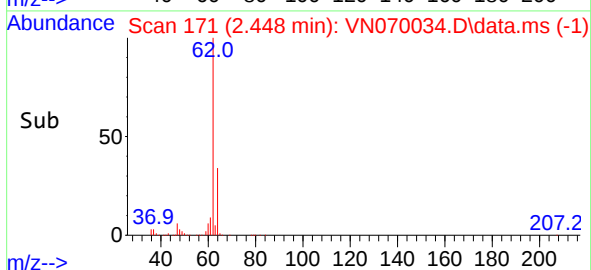
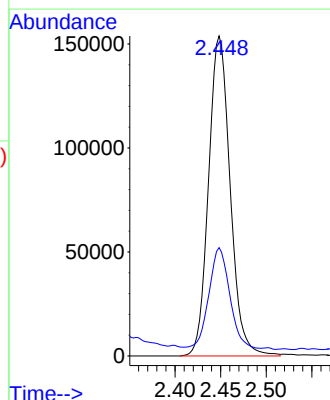
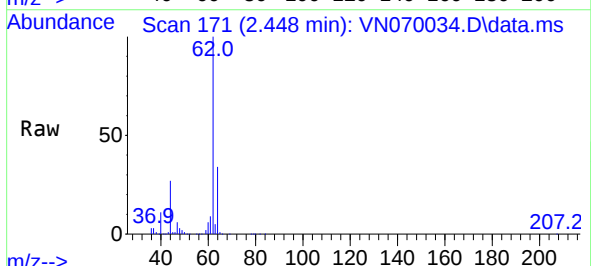
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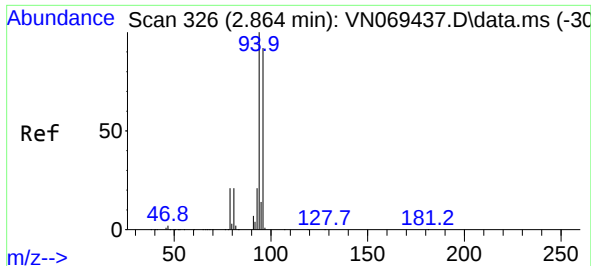
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#4
Vinyl Chloride
Concen: 19.675 ug/l
RT: 2.448 min Scan# 171
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

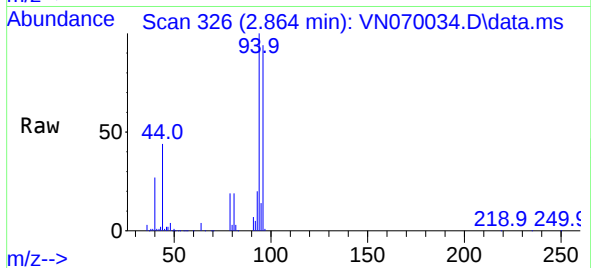
Tgt Ion: 62 Resp: 254010
Ion Ratio Lower Upper
62 100
64 31.7 25.1 37.7





#5
Bromomethane
Concen: 20.793 ug/l
RT: 2.864 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

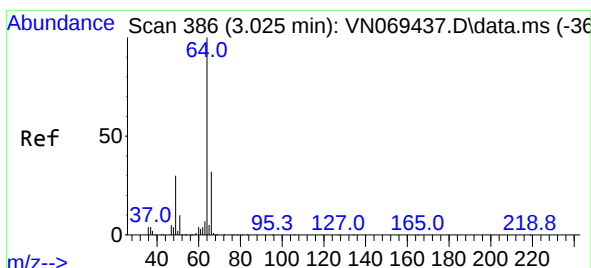
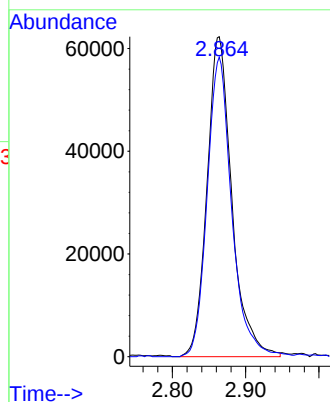
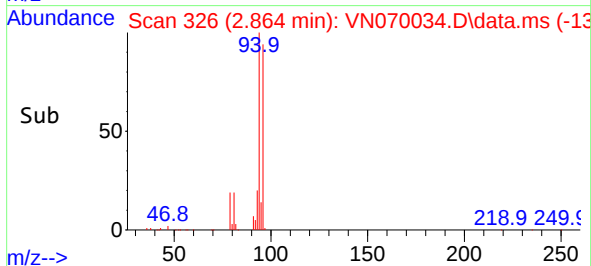
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



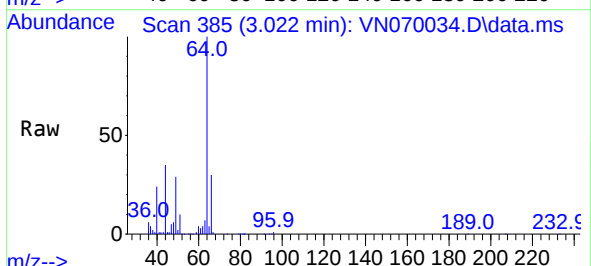
Tgt Ion: 94 Resp: 14673
Ion Ratio Lower Upper
94 100
96 93.6 75.2 112.8

Manual Integrations
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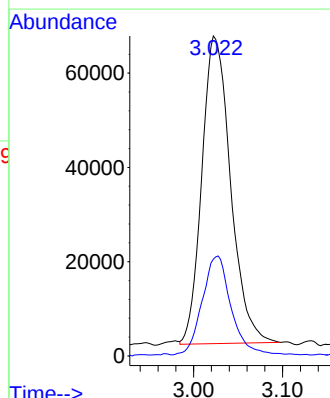
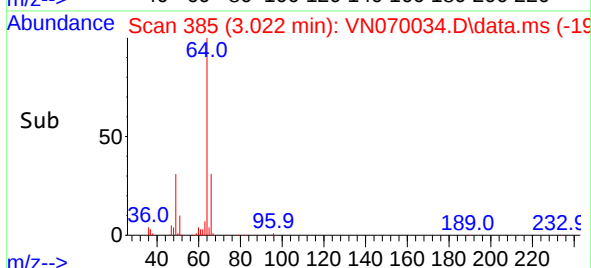
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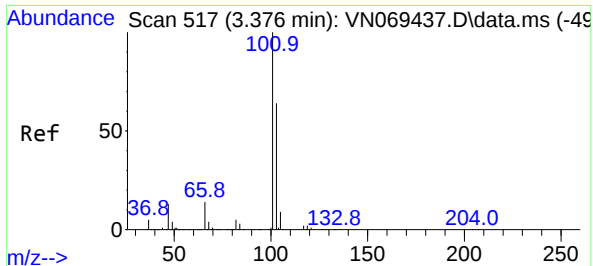


#6
Chloroethane
Concen: 19.717 ug/l
RT: 3.022 min Scan# 385
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



Tgt Ion: 64 Resp: 146158
Ion Ratio Lower Upper
64 100
66 30.8 24.6 36.8





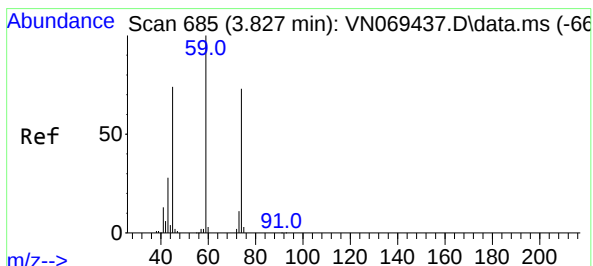
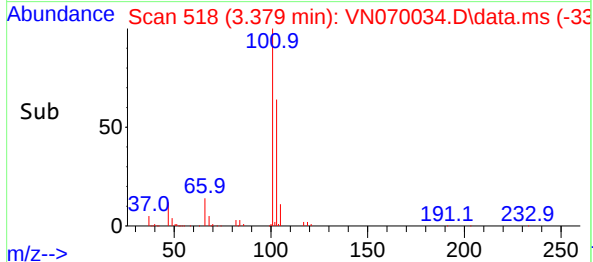
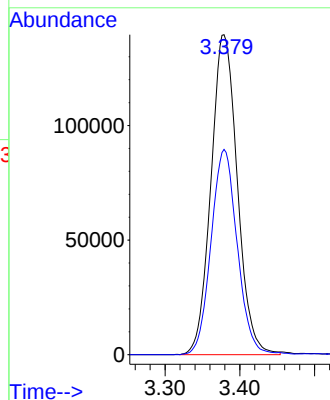
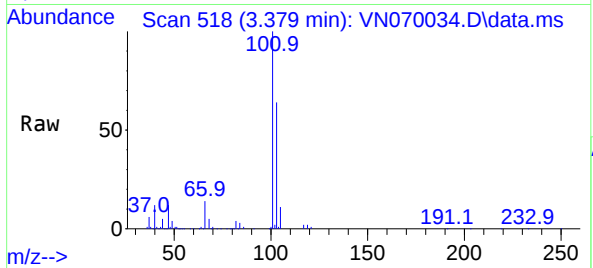
#7
Trichlorofluoromethane
Concen: 20.331 ug/l
RT: 3.379 min Scan# 517
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

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Tgt Ion:101 Resp: 342668
Ion Ratio Lower Upper
101 100
103 64.2 50.1 75.1

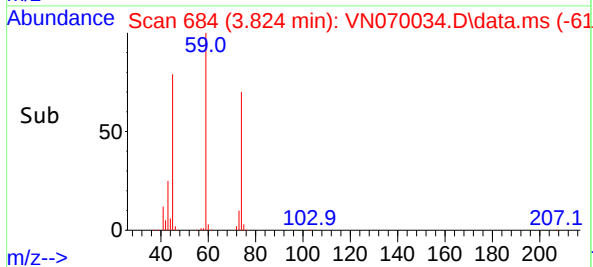
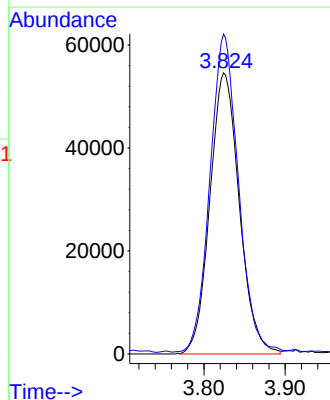
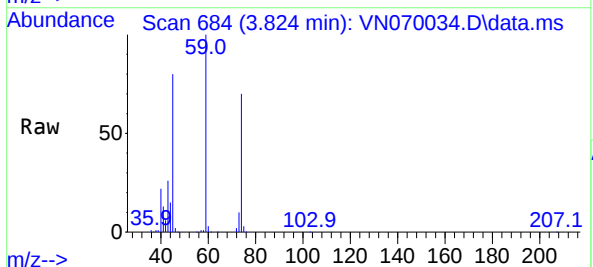
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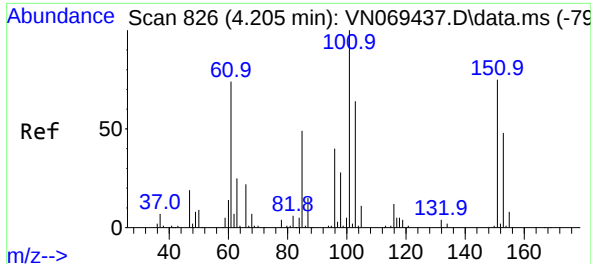
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#8
Diethyl Ether
Concen: 20.551 ug/l
RT: 3.824 min Scan# 684
Delta R.T. -0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion: 74 Resp: 137440
Ion Ratio Lower Upper
74 100
45 109.0 17.6 158.8





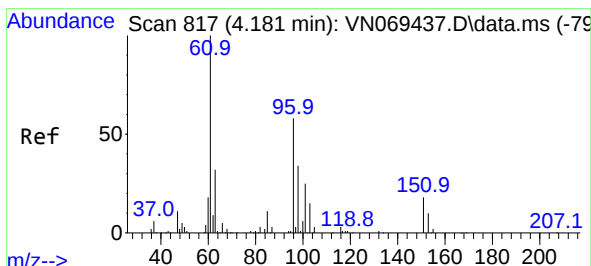
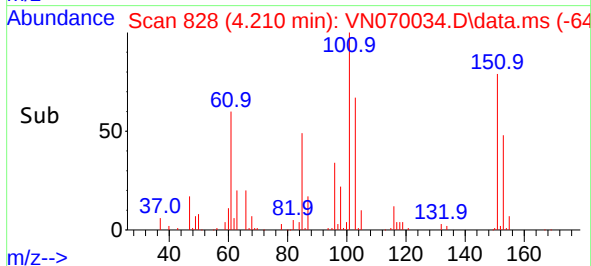
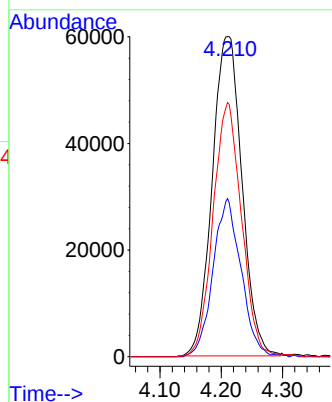
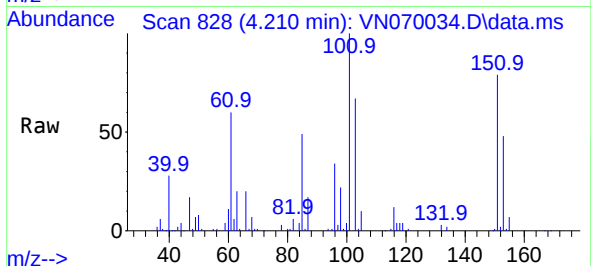
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1,1,2-Trichlorotrifluoroethane
Concen: 20.394 ug/l
RT: 4.210 min Scan# 817
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion:101 Resp: 201890
Ion Ratio Lower Upper
101 100
85 46.4 0.0 94.0
151 76.0 0.0 74.6

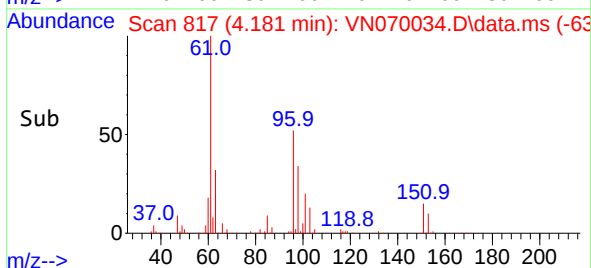
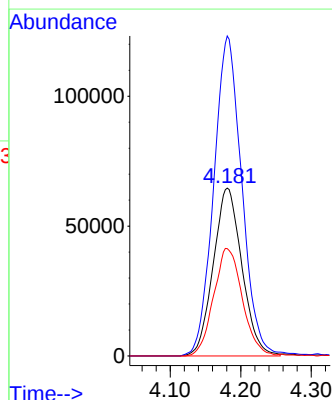
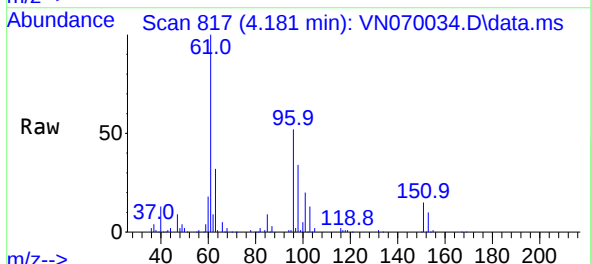
Manual Integrations
APPROVED

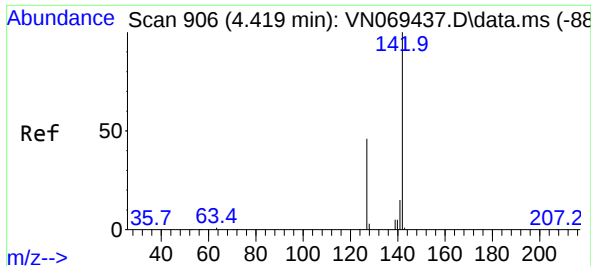
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#10
1,1-Dichloroethene
Concen: 19.402 ug/l
RT: 4.181 min Scan# 817
Delta R.T. -0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

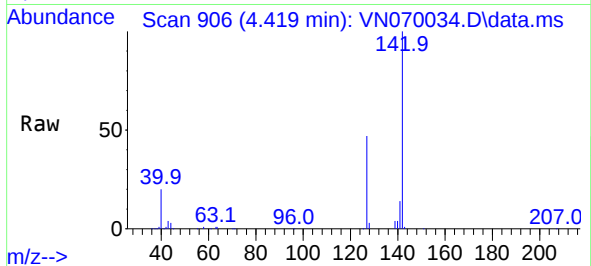
Tgt Ion: 96 Resp: 182701
Ion Ratio Lower Upper
96 100
61 190.6 126.2 189.4#
98 63.9 50.9 76.3





#11
Methyl Iodide
Concen: 19.262 ug/l
RT: 4.419 min Scan# 906
Delta R.T. -0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

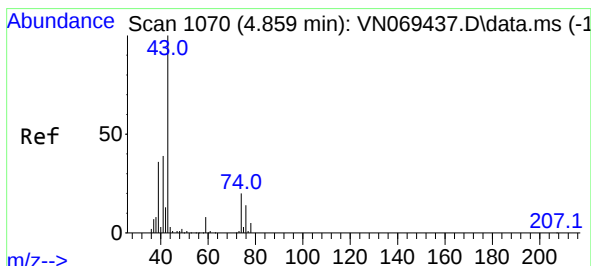
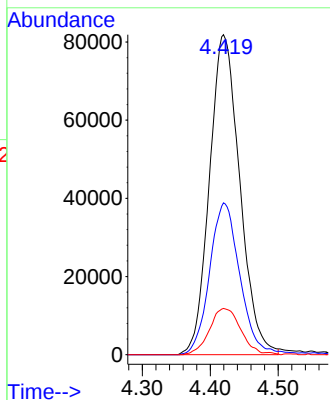
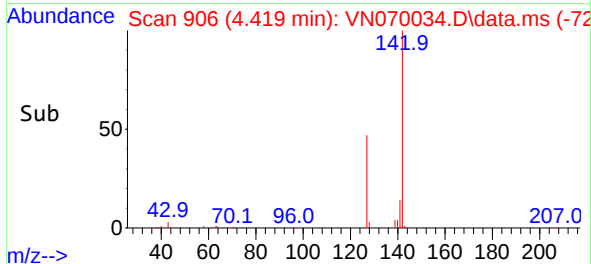
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



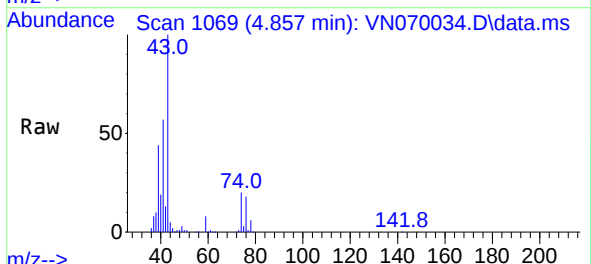
Tgt Ion:142 Resp: 253811
Ion Ratio Lower Upper
142 100
127 47.4 24.0 72.0
141 14.5 8.4 25.2

Manual Integrations
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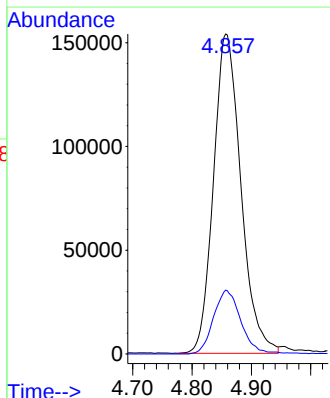
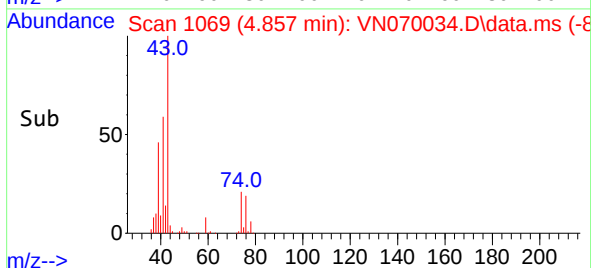
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

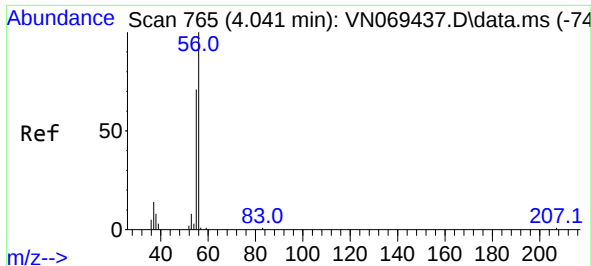


#12
Methyl Acetate
Concen: 21.289 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



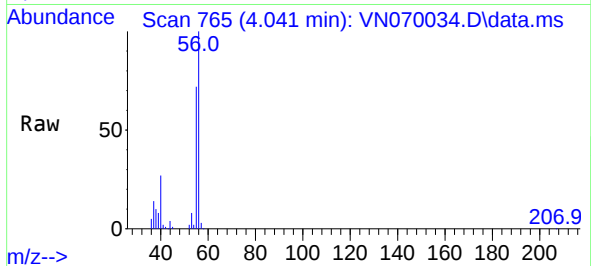
Tgt Ion: 43 Resp: 493812
Ion Ratio Lower Upper
43 100
74 20.0 20.8 31.2#





#13
Acrolein
Concen: 94.660 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

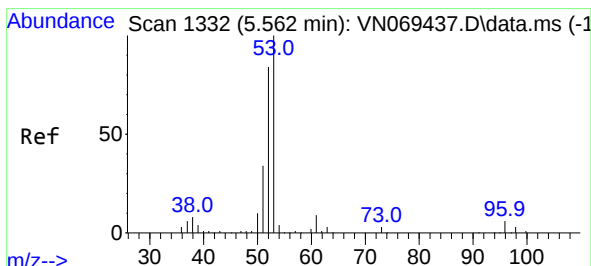
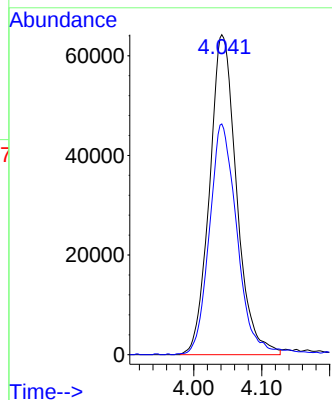
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 56 Resp: 177730
Ion Ratio Lower Upper
56 100
55 71.7 57.6 86.4

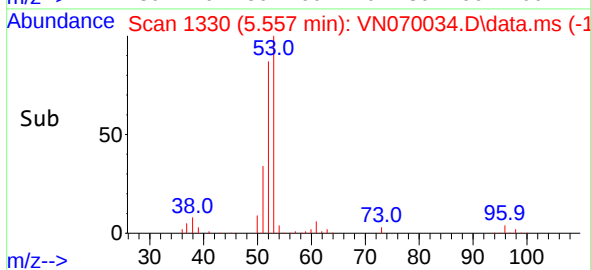
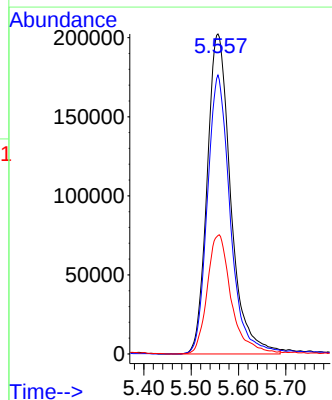
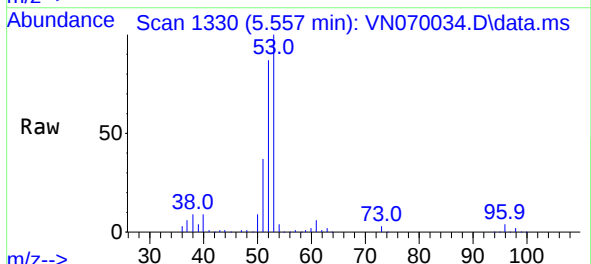
Manual Integrations
APPROVED

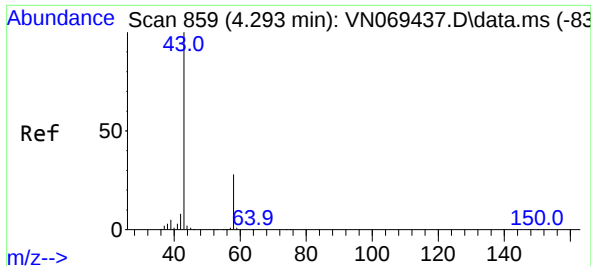
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#14
Acrylonitrile
Concen: 104.673 ug/l
RT: 5.557 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

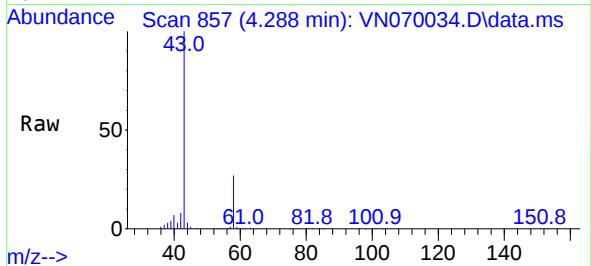
Tgt Ion: 53 Resp: 701026
Ion Ratio Lower Upper
53 100
52 84.6 41.8 125.4
51 37.8 19.0 57.0





#15
Acetone
Concen: 87.975 ug/l
RT: 4.288 min Scan# 81
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

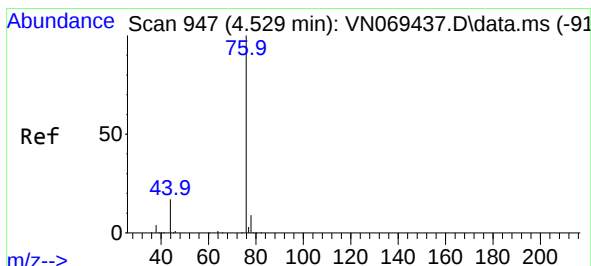
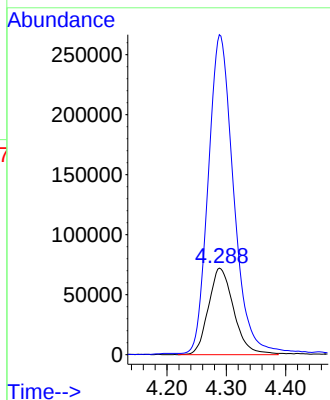
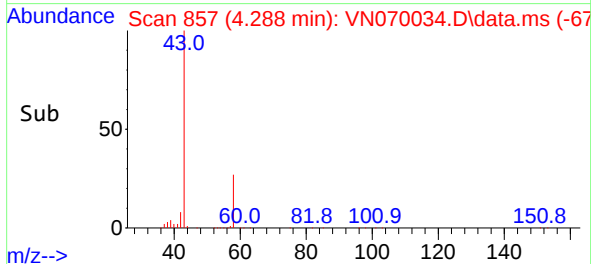
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



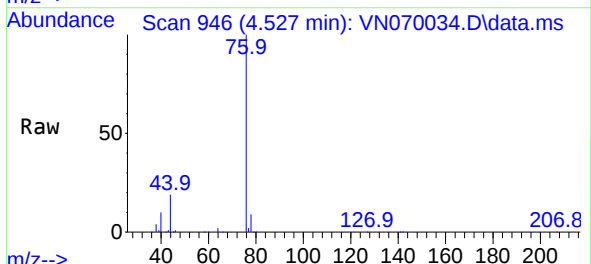
Tgt Ion: 58 Resp: 21379
Ion Ratio Lower Upper
58 100
43 368.2 256.6 384.8

Manual Integrations
APPROVED

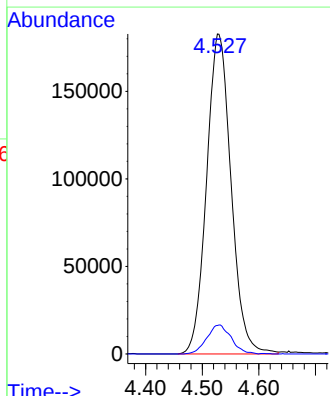
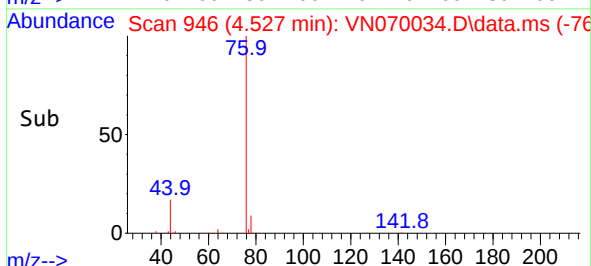
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

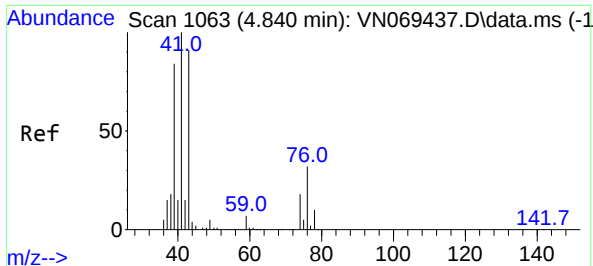


#16
Carbon Disulfide
Concen: 19.353 ug/l
RT: 4.527 min Scan# 946
Delta R.T. -0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



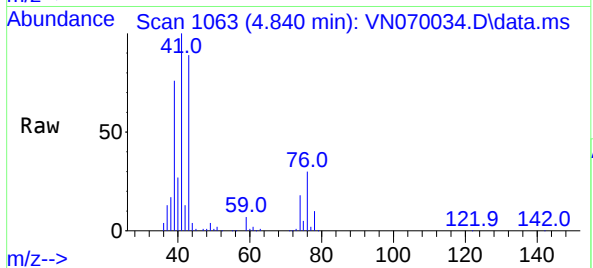
Tgt Ion: 76 Resp: 549119
Ion Ratio Lower Upper
76 100
78 8.9 7.8 11.8





#17
 Allyl chloride
 Concen: 19.748 ug/l
 RT: 4.840 min Scan# 1063
 Delta R.T. 0.000 min
 Lab File: VN070034.D
 Acq: 13 Dec 2021 16:04

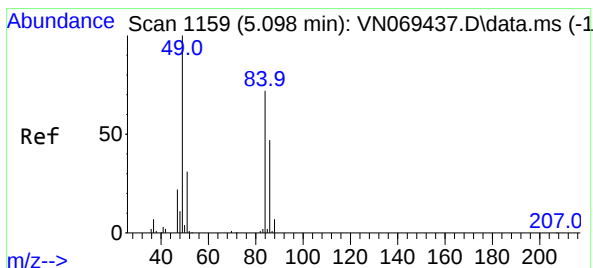
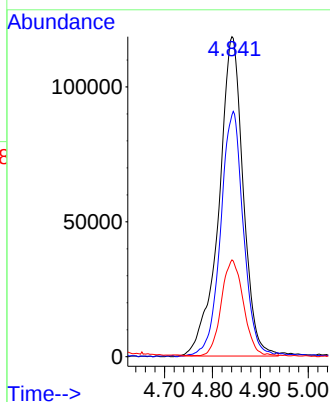
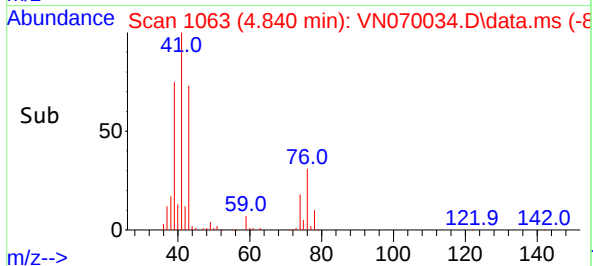
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01



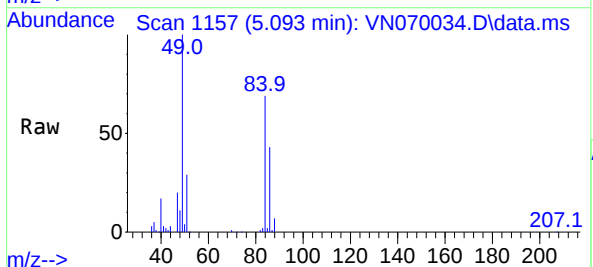
Tgt Ion: 41 Resp: 418200
 Ion Ratio Lower Upper
 41 100
 39 75.9 44.6 134.0
 76 30.0 19.6 58.7

Manual Integrations
 APPROVED

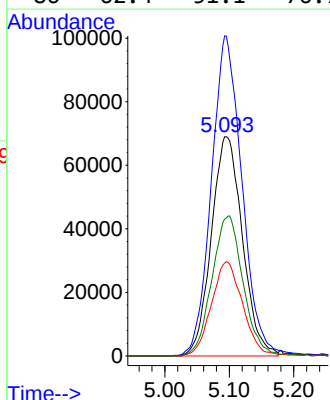
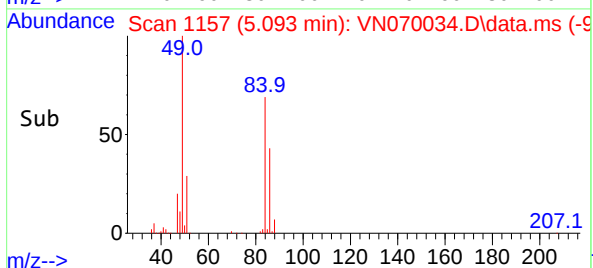
Reviewed By :John Carlone 12/14/2021
 Supervised By :Amit Patel 12/15/2021

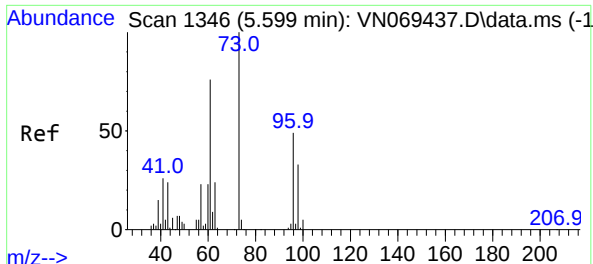


#18
 Methylene Chloride
 Concen: 20.358 ug/l
 RT: 5.093 min Scan# 1157
 Delta R.T. -0.005 min
 Lab File: VN070034.D
 Acq: 13 Dec 2021 16:04



Tgt Ion: 84 Resp: 231083
 Ion Ratio Lower Upper
 84 100
 49 145.6 91.4 137.0#
 51 42.4 29.4 44.0
 86 62.4 51.1 76.7





#19

trans-1,2-Dichloroethene

Concen: 19.761 ug/l

RT: 5.597 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN070034.D

Acq: 13 Dec 2021 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

Tgt Ion: 96 Resp: 19764

Ion Ratio Lower Upper

96 100

61 151.6 102.8 154.2

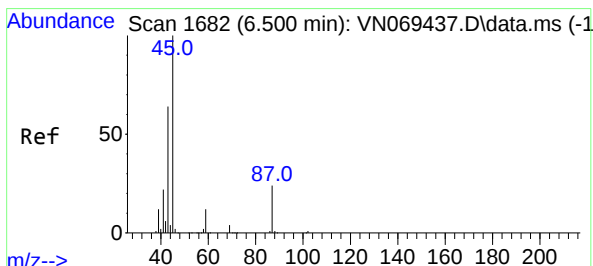
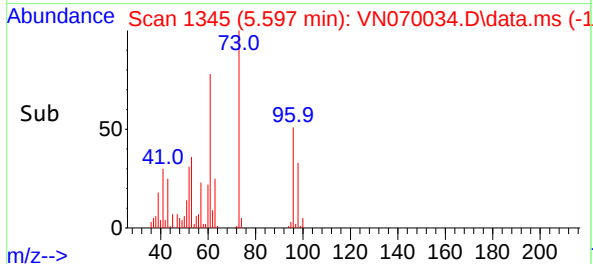
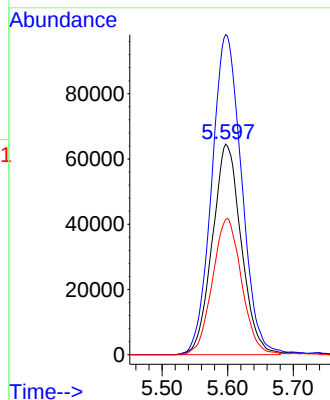
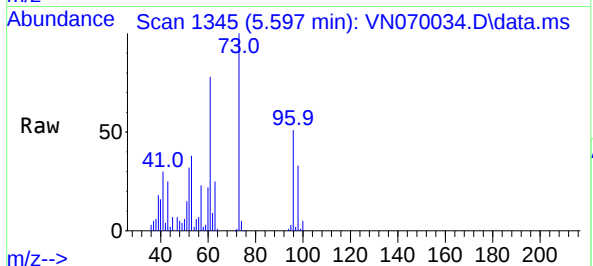
98 64.2 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#20

Diisopropyl ether

Concen: 20.692 ug/l

RT: 6.498 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VN070034.D

Acq: 13 Dec 2021 16:04

Tgt Ion: 45 Resp: 839269

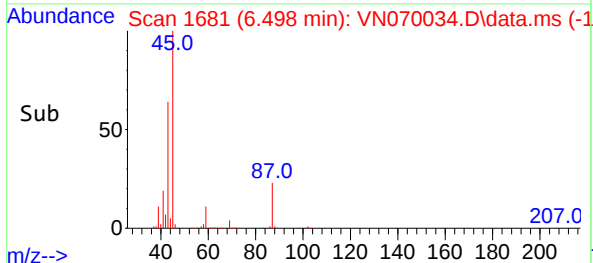
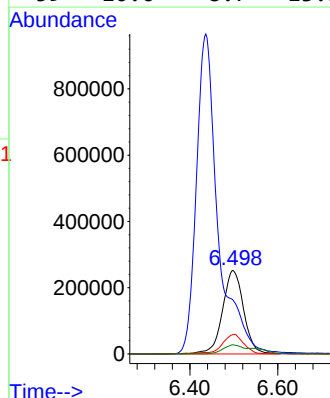
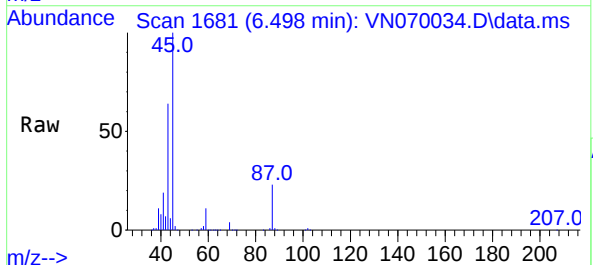
Ion Ratio Lower Upper

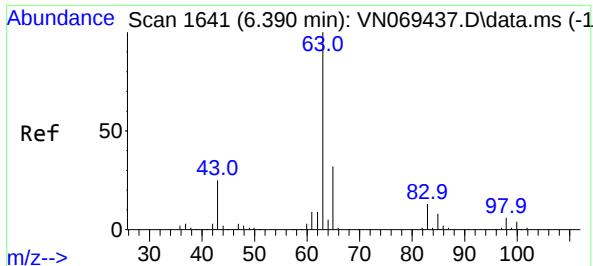
45 100

43 62.3 51.0 76.4

87 23.0 25.0 37.4#

59 10.6 8.7 13.1





#21

1,1-Dichloroethane

Concen: 19.871 ug/l

RT: 6.388 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN070034.D

Acq: 13 Dec 2021 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

Tgt Ion: 63 Resp: 42486

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

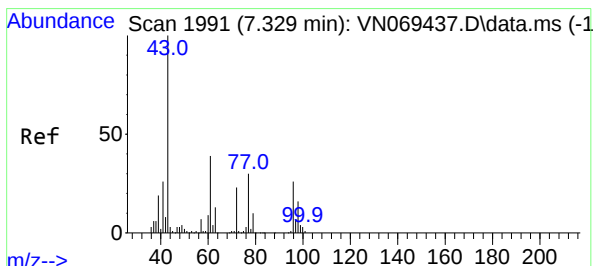
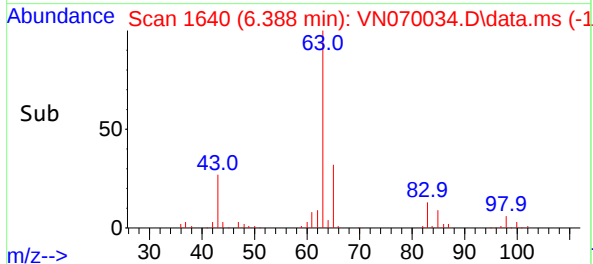
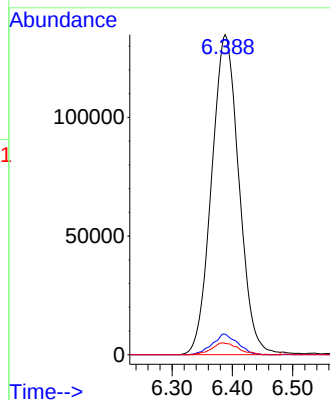
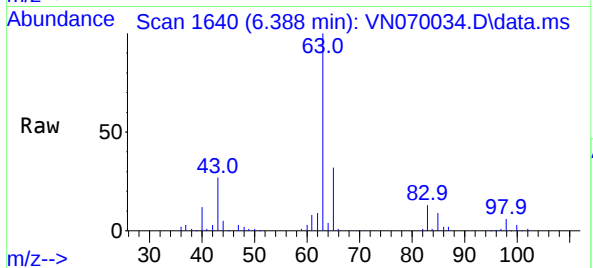
100 3.5 2.1 6.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#22

cis-1,2-Dichloroethene

Concen: 20.112 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN070034.D

Acq: 13 Dec 2021 16:04

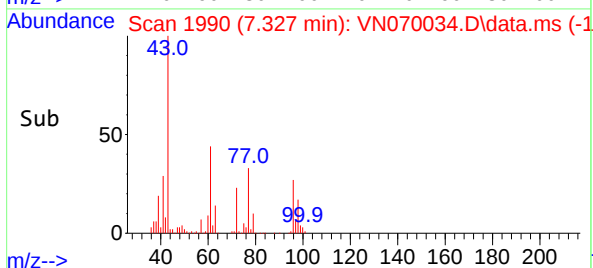
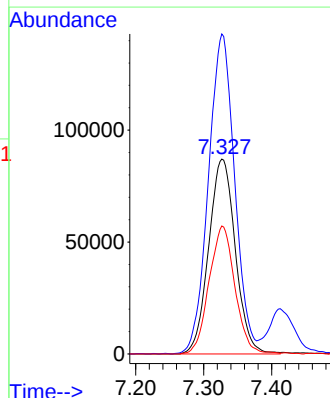
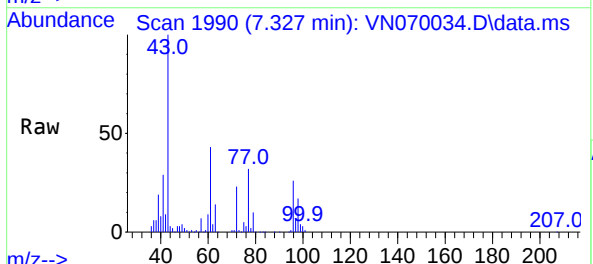
Tgt Ion: 96 Resp: 238094

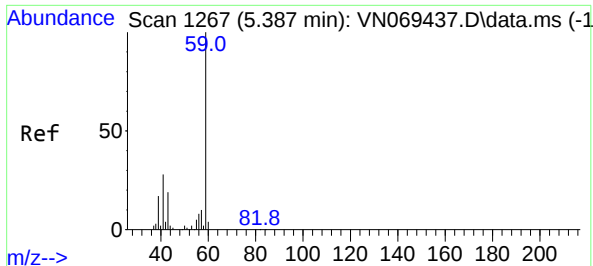
Ion Ratio Lower Upper

96 100

61 161.2 115.7 173.5

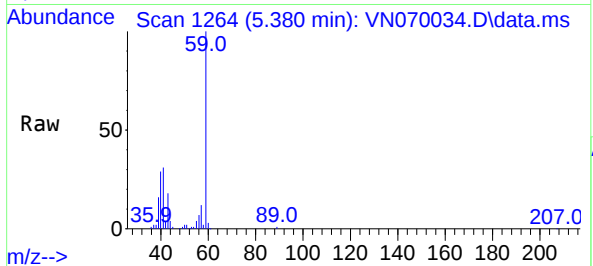
98 63.2 51.6 77.4





#23
tert-Butyl Alcohol
Concen: 108.045 ug/l
RT: 5.380 min Scan# 1267
Delta R.T. 0.005 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

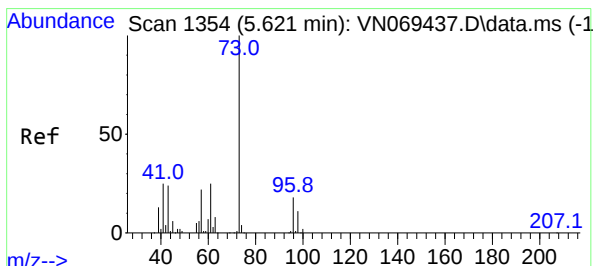
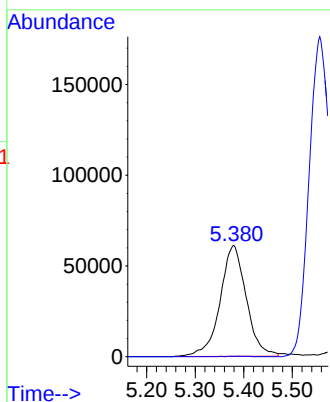
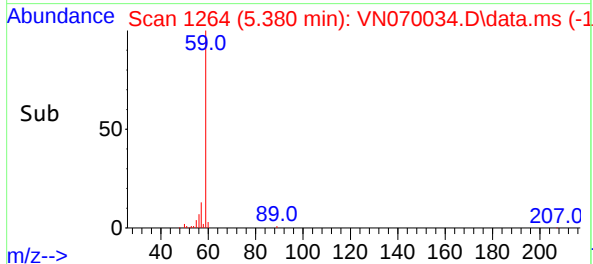
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



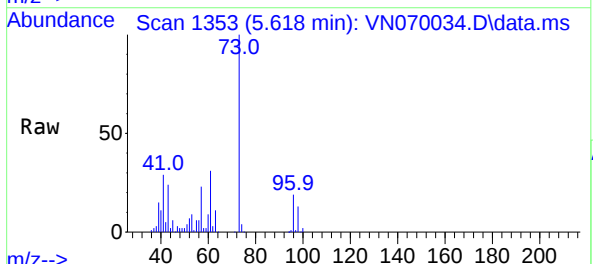
Tgt Ion: 59 Resp: 228744
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

Manual Integrations
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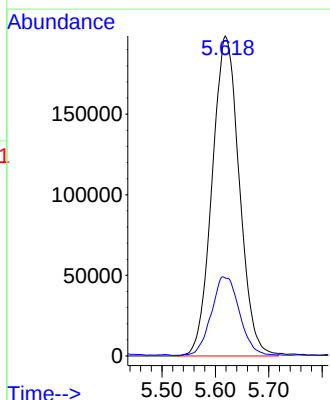
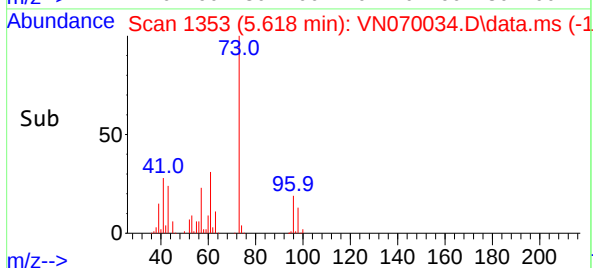
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

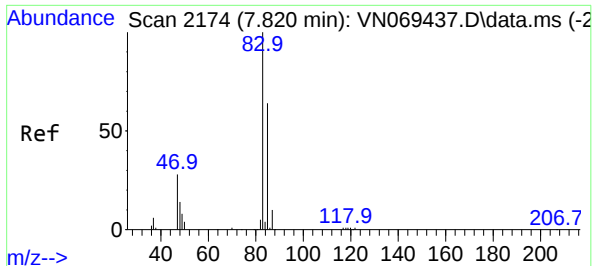


#24
Methyl tert-Butyl Ether
Concen: 20.997 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



Tgt Ion: 73 Resp: 702109
Ion Ratio Lower Upper
73 100
43 25.0 18.1 27.1





#25

Chloroform

Concen: 20.084 ug/l

RT: 7.817 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN070034.D

Acq: 13 Dec 2021 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

Tgt Ion: 83 Resp: 426662

Ion Ratio Lower Upper

83 100

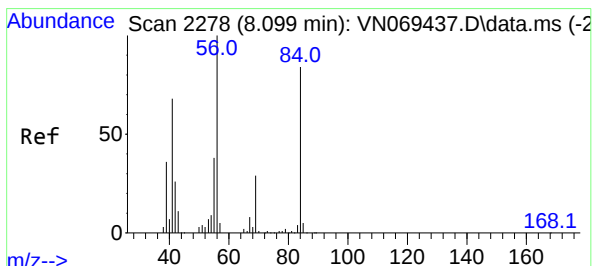
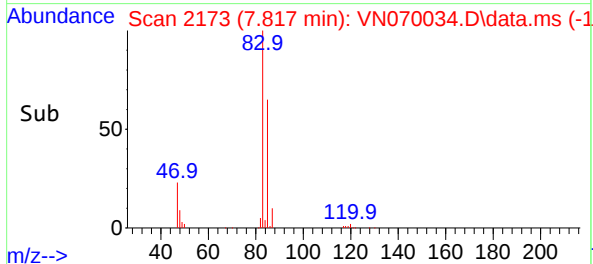
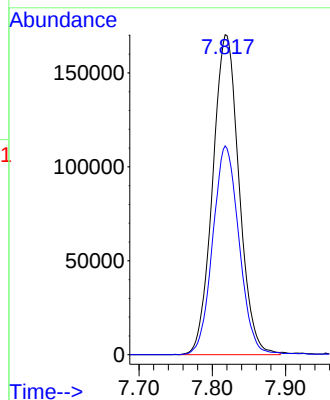
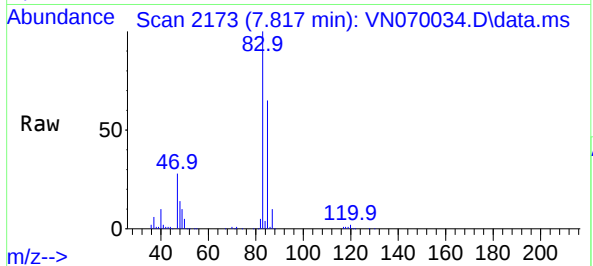
85 65.2 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#26

Cyclohexane

Concen: 19.607 ug/l

RT: 8.094 min Scan# 2276

Delta R.T. -0.003 min

Lab File: VN070034.D

Acq: 13 Dec 2021 16:04

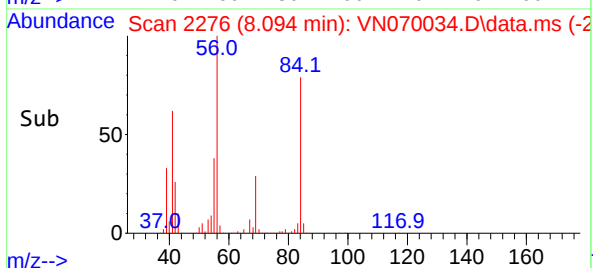
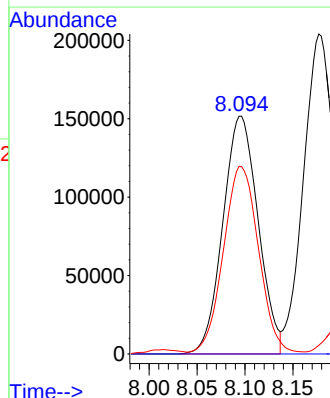
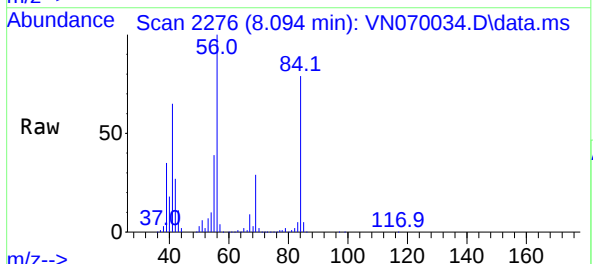
Tgt Ion: 56 Resp: 388051

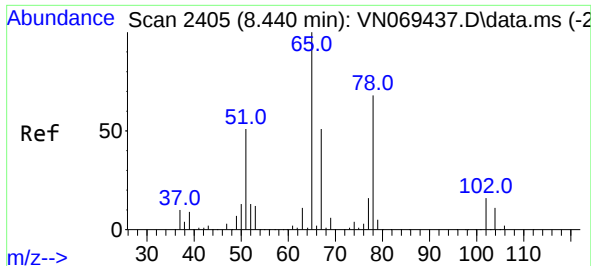
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 77.7 74.6 111.8





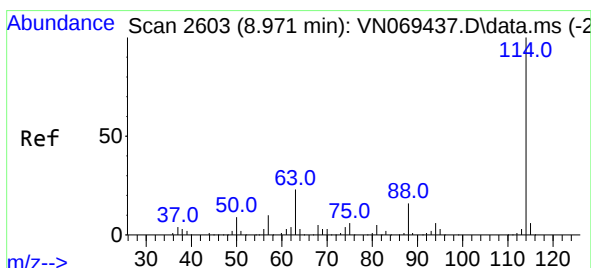
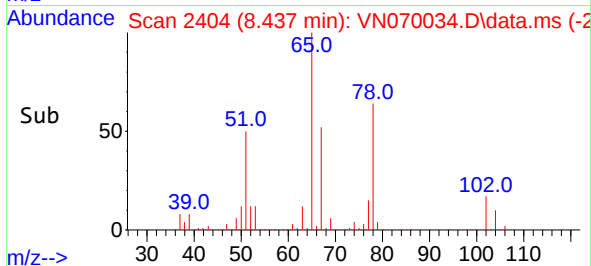
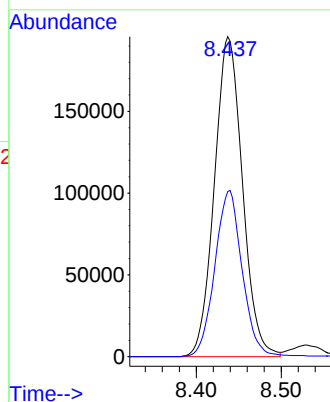
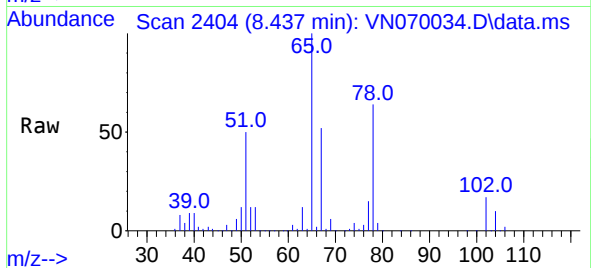
#27
1,2-Dichloroethane-d4
Concen: 30.698 ug/l
RT: 8.437 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion: 65 Resp: 44904
Ion Ratio Lower Upper
65 100
67 50.6 40.2 60.2

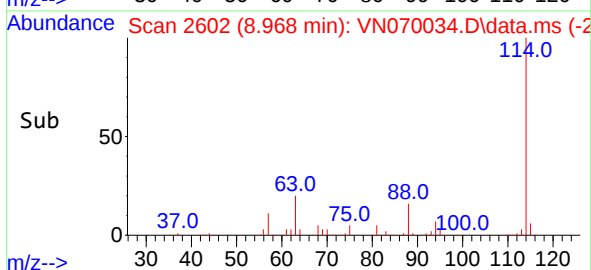
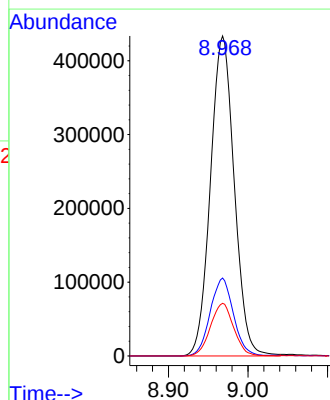
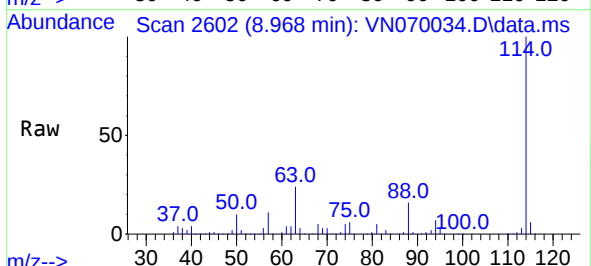
Manual Integrations
APPROVED

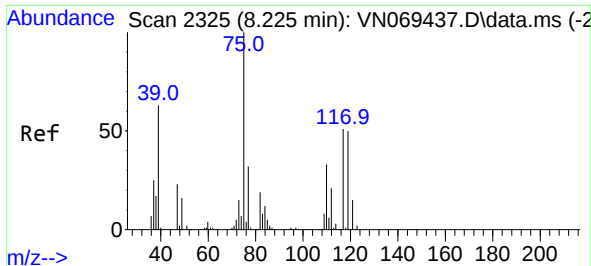
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

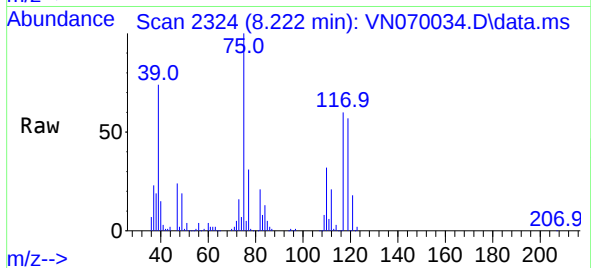
Tgt Ion:114 Resp: 902008
Ion Ratio Lower Upper
114 100
63 23.8 15.8 23.6#
88 16.1 11.6 17.4





#29
1,1-Dichloropropene
Concen: 19.799 ug/l
RT: 8.222 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

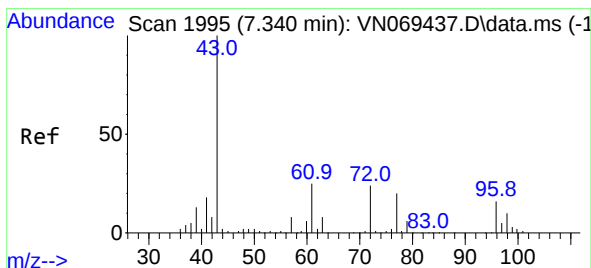
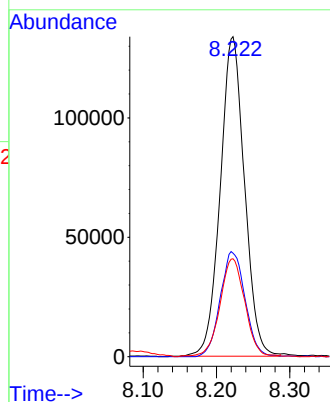
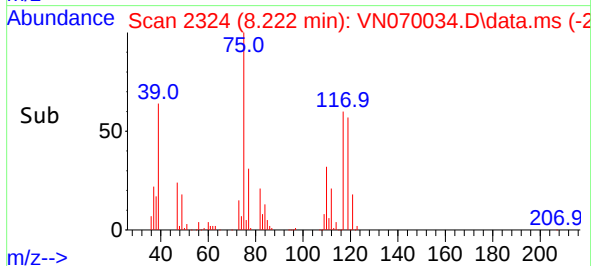
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 75 Resp: 30750
Ion Ratio Lower Upper
75 100
110 33.7 0.0 74.2
77 31.5 0.0 63.2

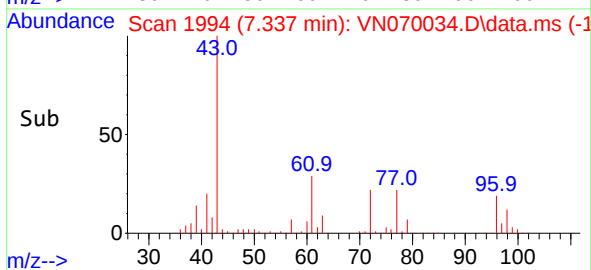
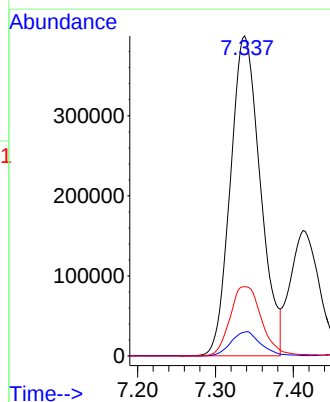
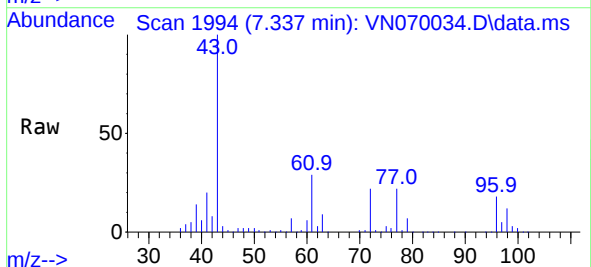
Manual Integrations
APPROVED

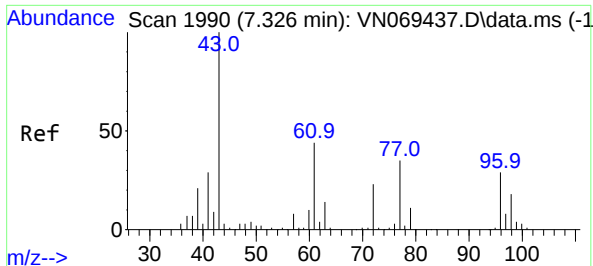
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#30
2-Butanone
Concen: 99.704 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion: 43 Resp: 1065398
Ion Ratio Lower Upper
43 100
57 7.6 6.7 10.1
72 22.9 23.2 34.8#





#31
2,2-Dichloropropane
Concen: 19.271 ug/l
RT: 7.324 min Scan# 1990
Delta R.T. -0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :

MSVOA_N

ClientSampleId :

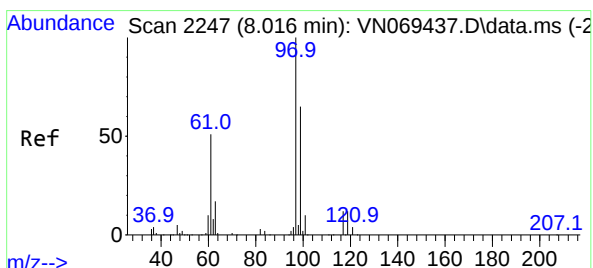
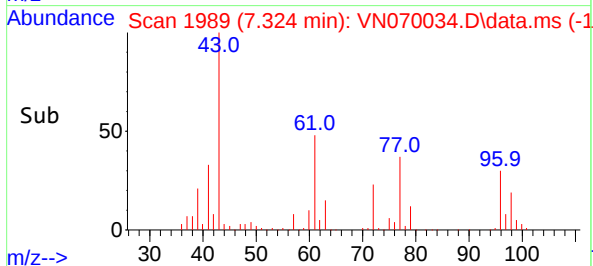
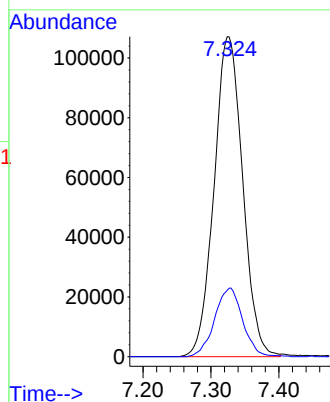
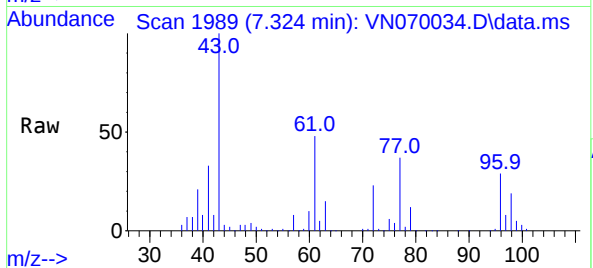
VN1213WBSD01

Tgt Ion: 77 Resp: 31299
Ion Ratio Lower Upper
77 100
97 21.1 18.3 27.5

Manual Integrations

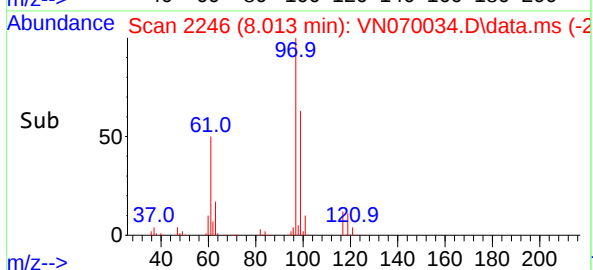
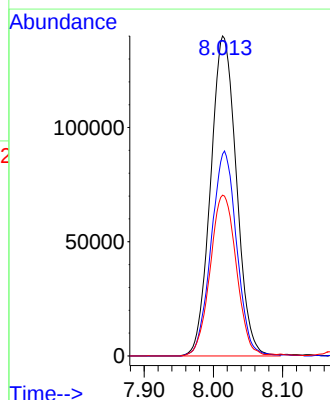
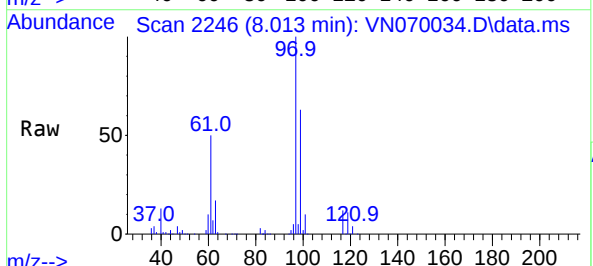
APPROVED

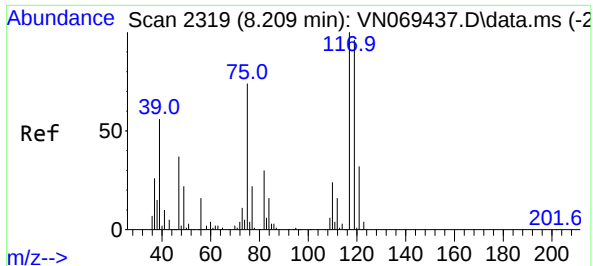
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#32
1,1,1-Trichloroethane
Concen: 20.186 ug/l
RT: 8.013 min Scan# 2246
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

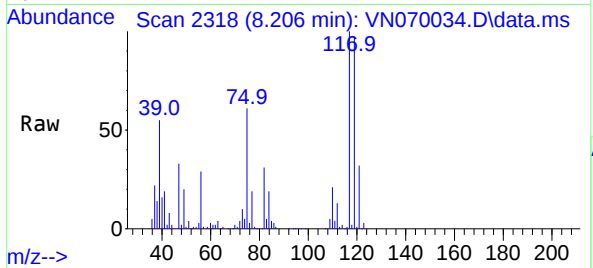
Tgt Ion: 97 Resp: 363101
Ion Ratio Lower Upper
97 100
99 63.2 50.4 75.6
61 50.9 34.6 51.8





#33
Carbon Tetrachloride
Concen: 19.797 ug/l
RT: 8.206 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

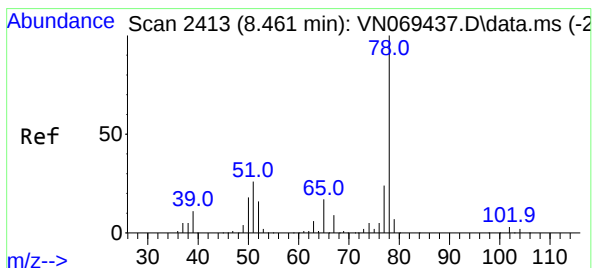
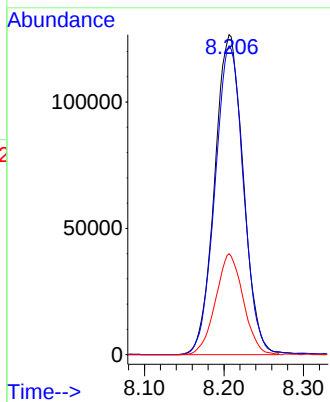
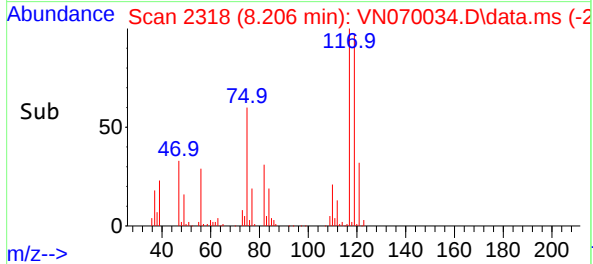
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



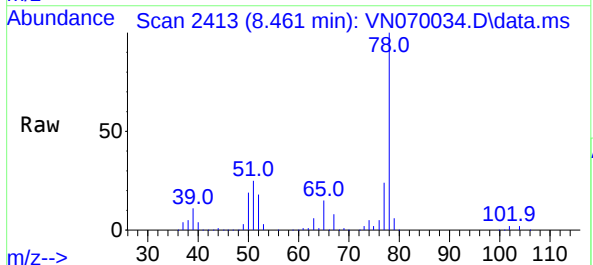
Tgt Ion: 117 Resp: 31653
Ion Ratio Lower Upper
117 100
119 96.5 77.5 116.3
121 31.6 23.5 35.3

Manual Integrations
APPROVED

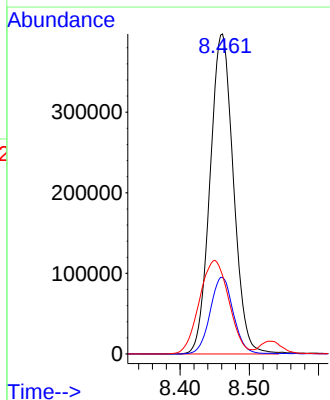
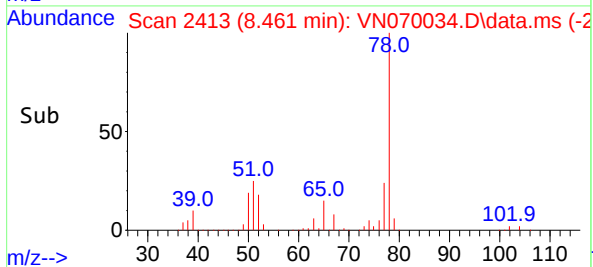
Reviewed By : John Carlone 12/14/2021
Supervised By : Amit Patel 12/15/2021

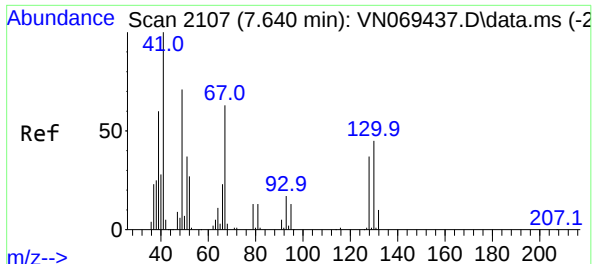


#34
Benzene
Concen: 20.288 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



Tgt Ion: 78 Resp: 931558
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7
51 24.1 16.0 24.0#





#35

Methacrylonitrile

Concen: 21.269 ug/l

RT: 7.638 min Scan# 21023

Delta R.T. 0.000 min

Lab File: VN070034.D

Acq: 13 Dec 2021 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

Tgt Ion: 41 Resp: 21023

Ion Ratio Lower Upper

41 100

39 58.4 28.0 83.9

67 61.5 37.7 113.1

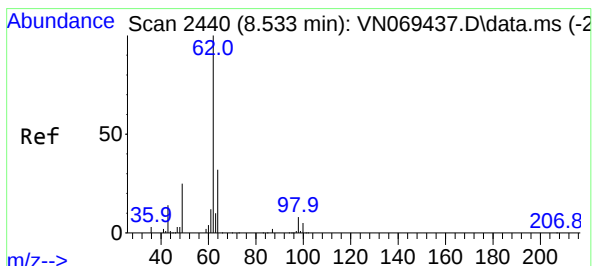
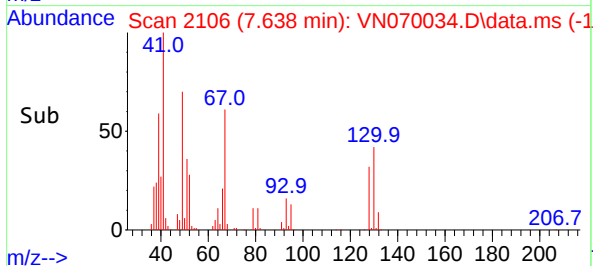
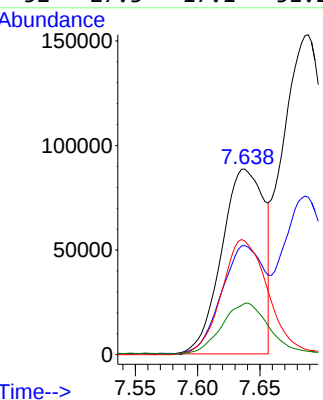
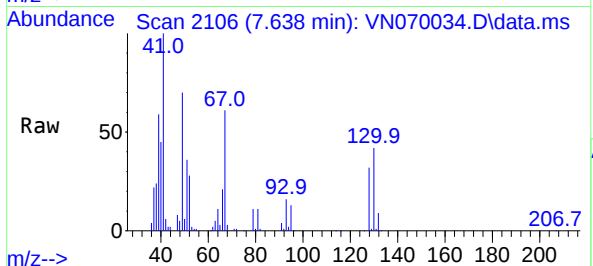
52 27.3 17.1 51.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#36

1,2-Dichloroethane

Concen: 20.628 ug/l

RT: 8.531 min Scan# 2439

Delta R.T. 0.000 min

Lab File: VN070034.D

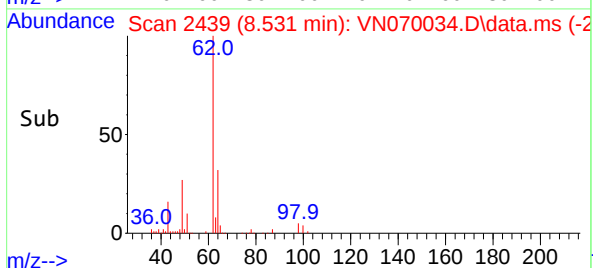
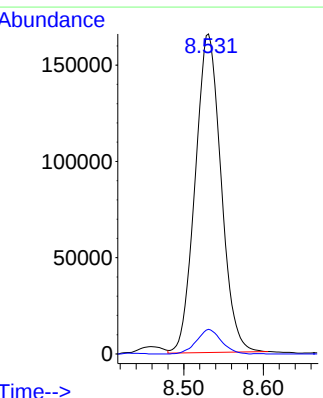
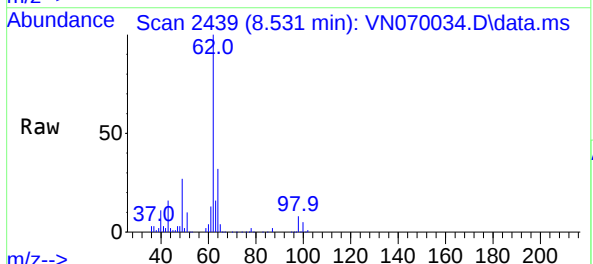
Acq: 13 Dec 2021 16:04

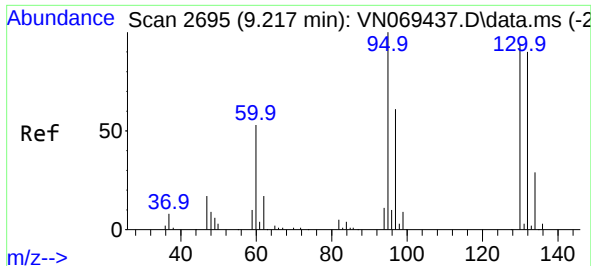
Tgt Ion: 62 Resp: 373893

Ion Ratio Lower Upper

62 100

98 7.4 6.6 10.0





#37
Trichloroethene
Concen: 19.846 ug/l
RT: 9.215 min Scan# 2695
Delta R.T. -0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :

MSVOA_N

ClientSampleId :

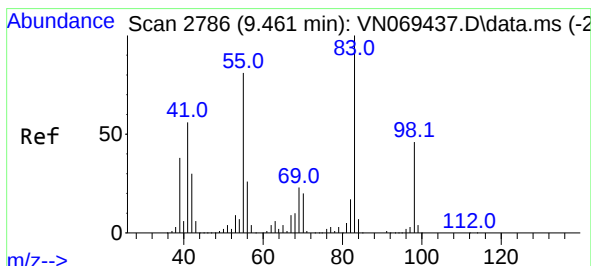
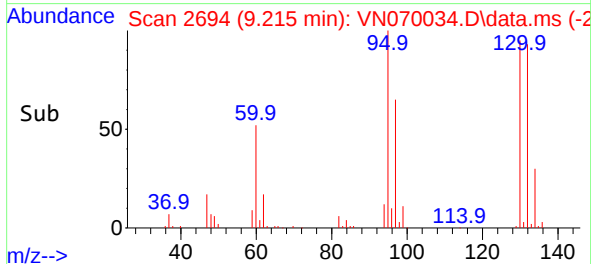
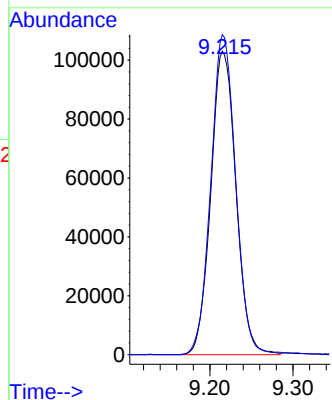
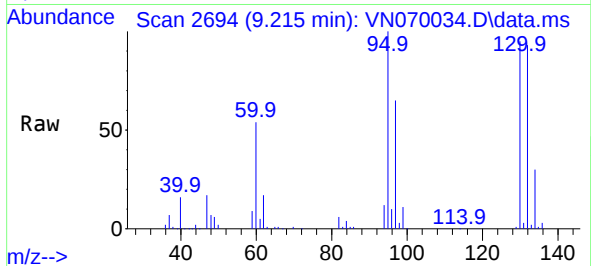
VN1213WBSD01

Tgt Ion:130 Resp: 216740
Ion Ratio Lower Upper
130 100
95 105.4 76.6 115.0

Manual Integrations

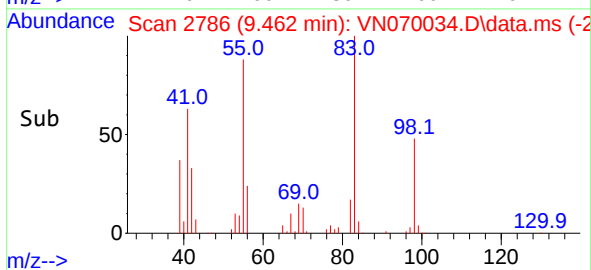
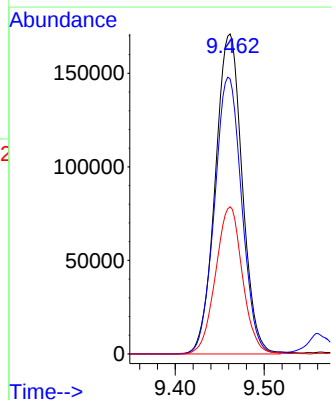
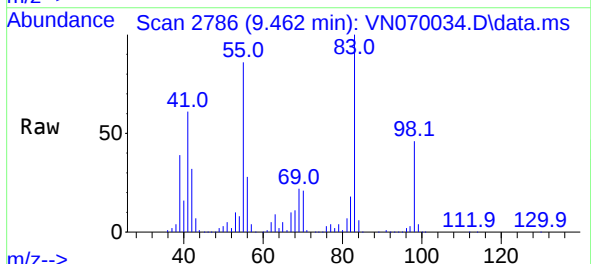
APPROVED

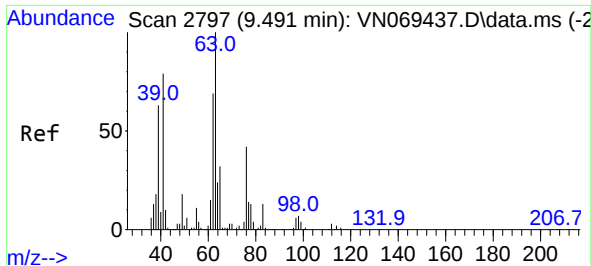
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#38
Methylcyclohexane
Concen: 19.480 ug/l
RT: 9.462 min Scan# 2786
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

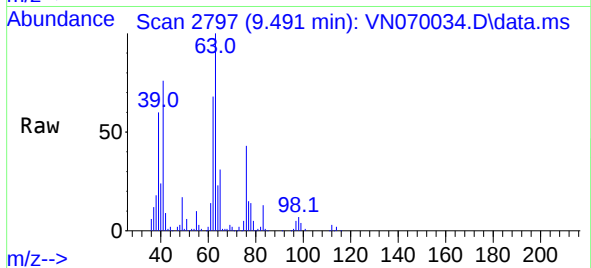
Tgt Ion: 83 Resp: 359639
Ion Ratio Lower Upper
83 100
55 87.3 35.1 105.3
98 46.0 23.4 70.2





#39
1,2-Dichloropropane
Concen: 20.565 ug/l
RT: 9.491 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

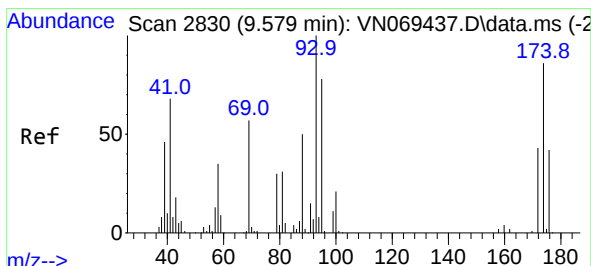
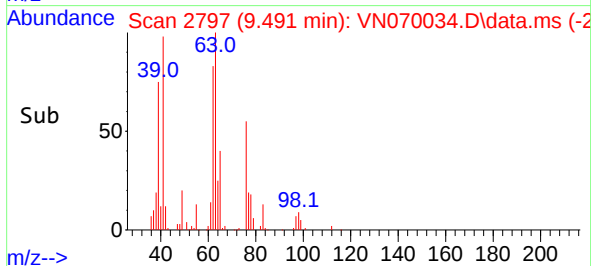
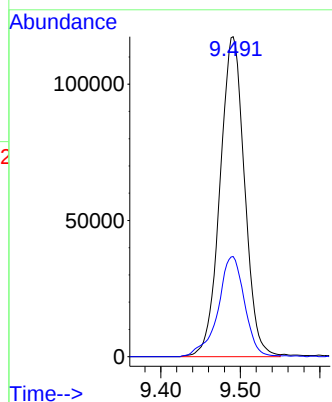
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 63 Resp: 25174
Ion Ratio Lower Upper
63 100
65 31.3 24.2 36.4

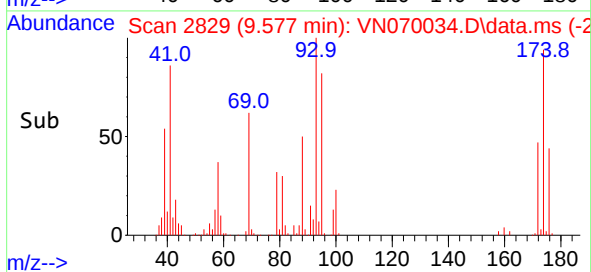
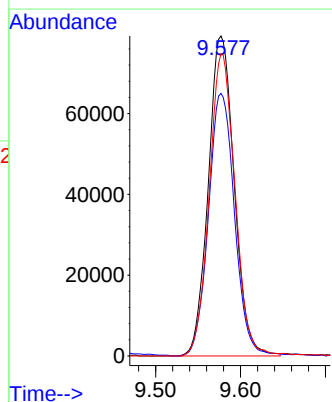
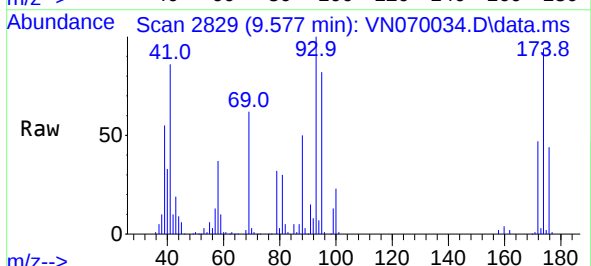
Manual Integrations
APPROVED

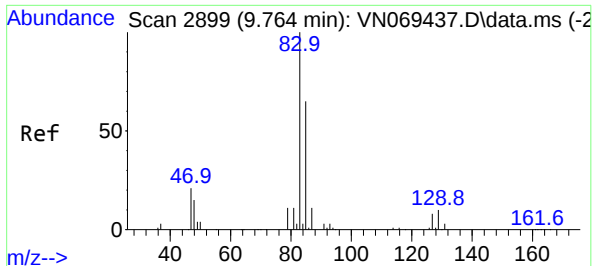
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#40
Dibromomethane
Concen: 20.829 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

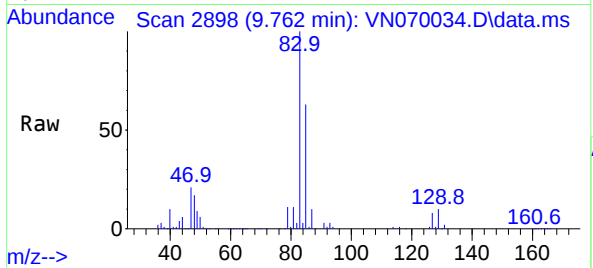
Tgt Ion: 93 Resp: 168192
Ion Ratio Lower Upper
93 100
95 82.6 0.0 168.8
174 93.7 0.0 173.6





#41
Bromodichloromethane
Concen: 20.347 ug/l
RT: 9.762 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

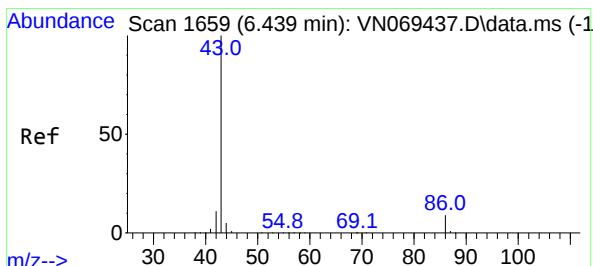
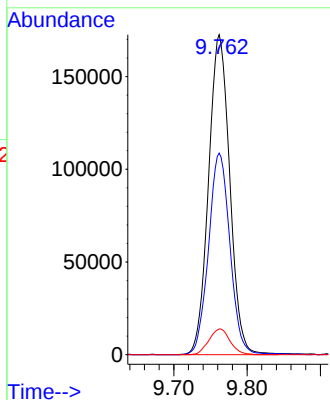
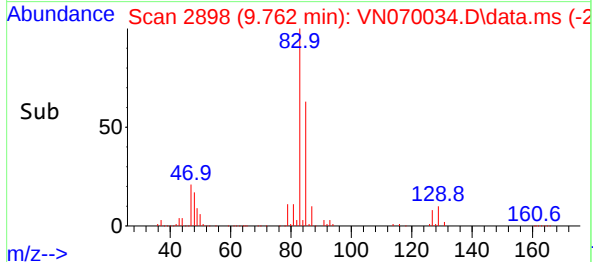
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



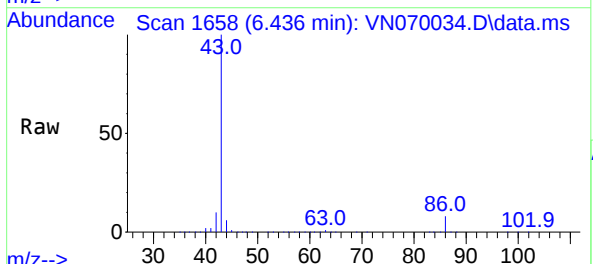
Tgt Ion: 83 Resp: 347410
Ion Ratio Lower Upper
83 100
85 63.0 54.1 81.1
127 8.0 7.6 11.4

Manual Integrations
APPROVED

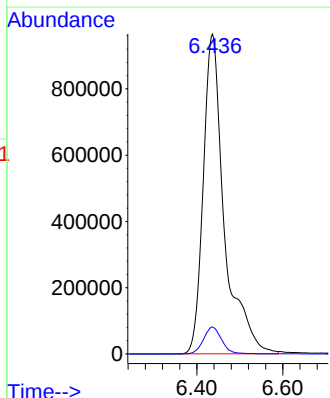
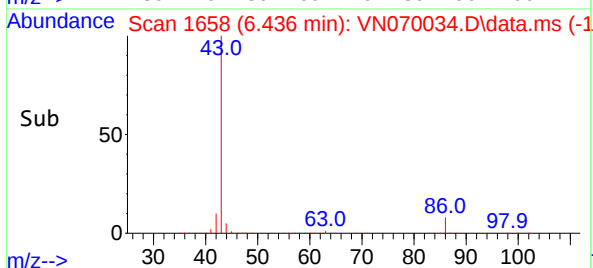
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

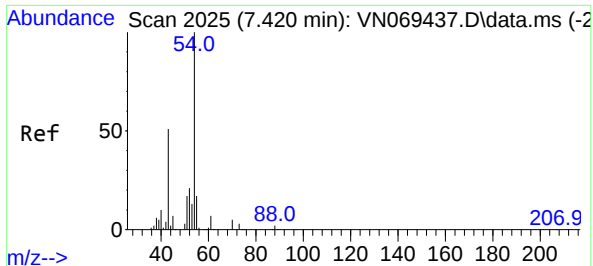


#42
Vinyl Acetate
Concen: 104.642 ug/l
RT: 6.436 min Scan# 1658
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



Tgt Ion: 43 Resp: 3284640
Ion Ratio Lower Upper
43 100
86 7.3 7.5 11.3#





#43

Ethyl Acetate

Concen: 20.590 ug/l

RT: 7.413 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN070034.D

Acq: 13 Dec 2021 16:04

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBSD01

Tgt Ion: 43 Resp: 382150

Ion Ratio Lower Upper

43 100

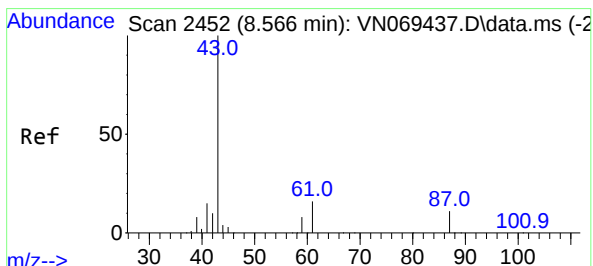
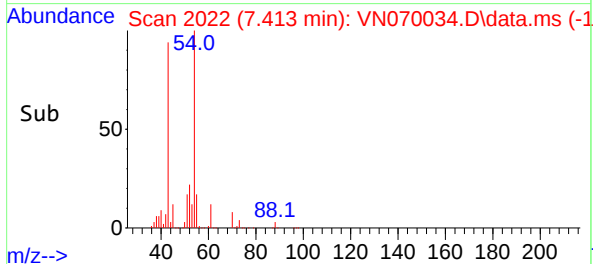
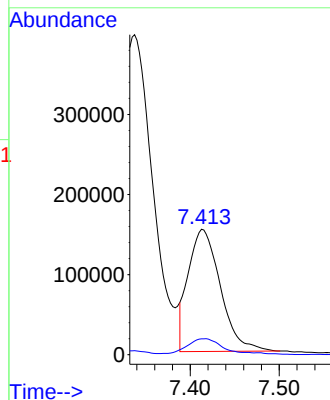
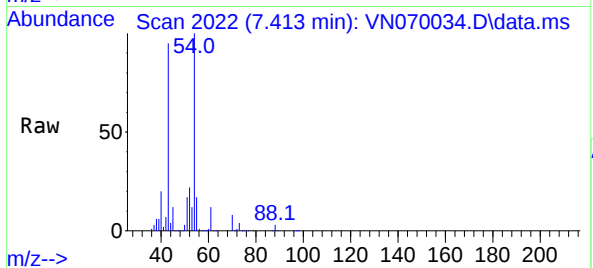
45 11.9 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#44

Isopropyl Acetate

Concen: 21.185 ug/l

RT: 8.560 min Scan# 2450

Delta R.T. 0.000 min

Lab File: VN070034.D

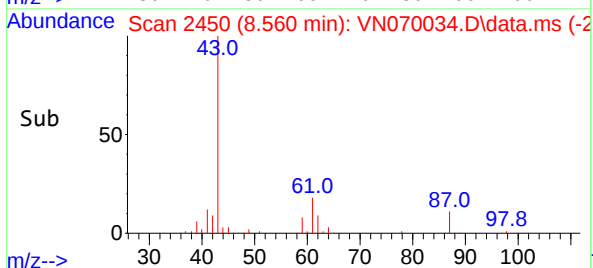
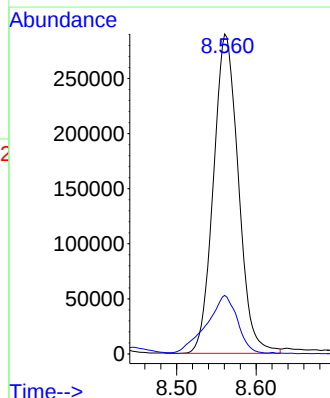
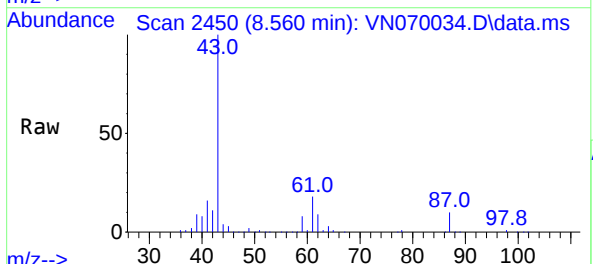
Acq: 13 Dec 2021 16:04

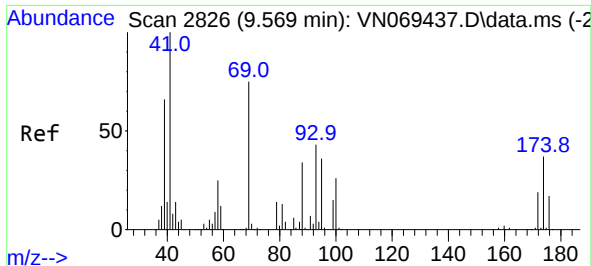
Tgt Ion: 43 Resp: 632914

Ion Ratio Lower Upper

43 100

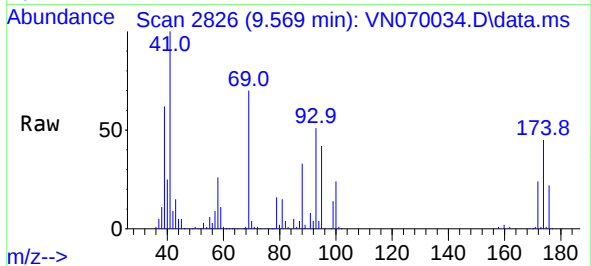
61 22.9 20.1 30.1





#45
1,4-Dioxane
Concen: 449.134 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

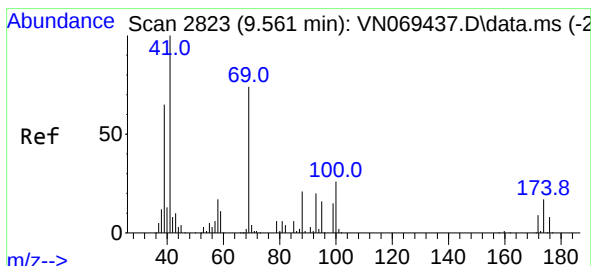
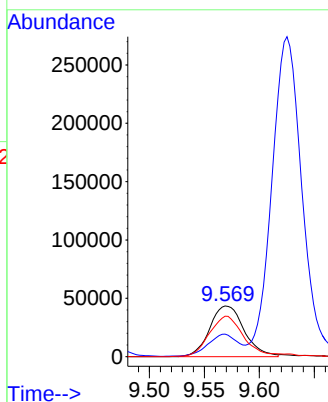
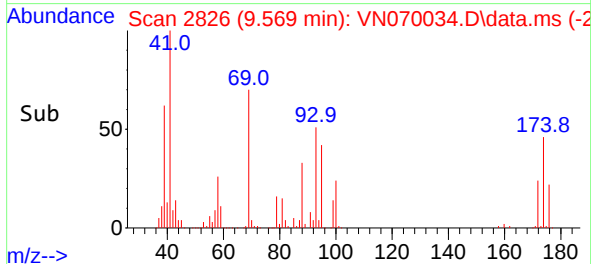
Instrument :
MSVOA_N
Client SampleId :
VN1213WBSD01



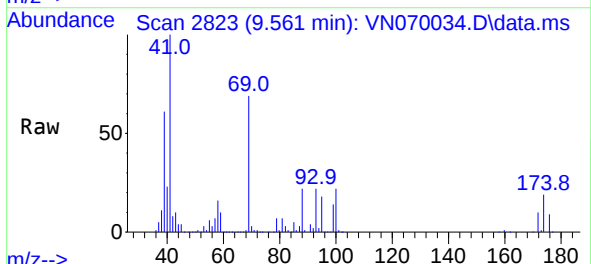
Tgt Ion: 88 Resp: 9495
Ion Ratio Lower Upper
88 100
43 37.2 25.0 37.6
58 78.1 49.4 74.2

Manual Integrations
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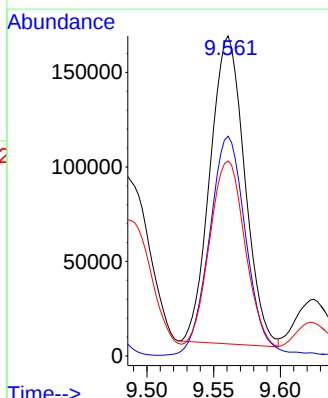
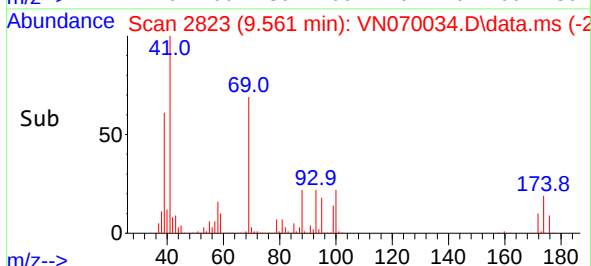
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

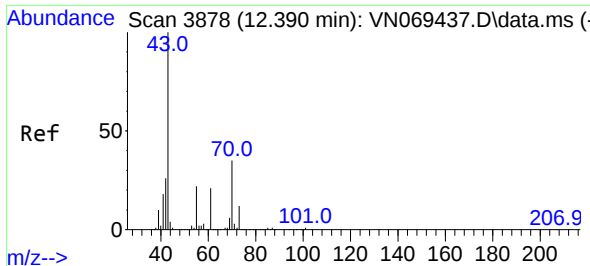


#46
Methyl methacrylate
Concen: 20.725 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



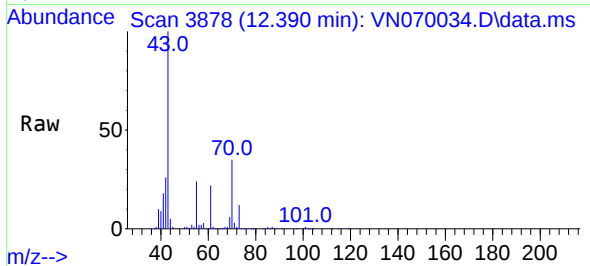
Tgt Ion: 41 Resp: 293241
Ion Ratio Lower Upper
41 100
69 71.1 44.4 133.2
39 60.8 39.9 119.6





#47
n-amy1 Acetate
Concen: 19.594 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

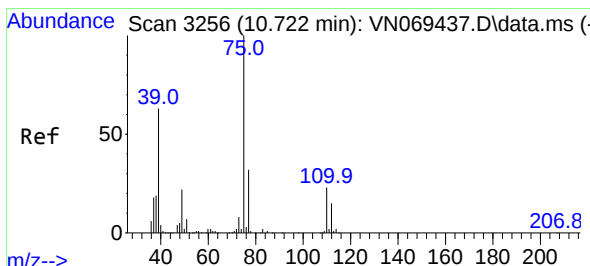
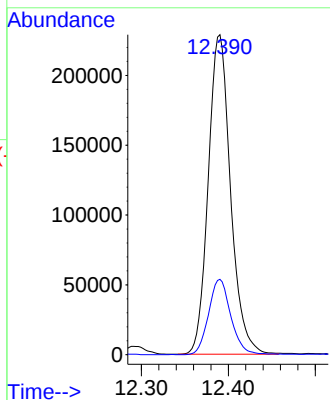
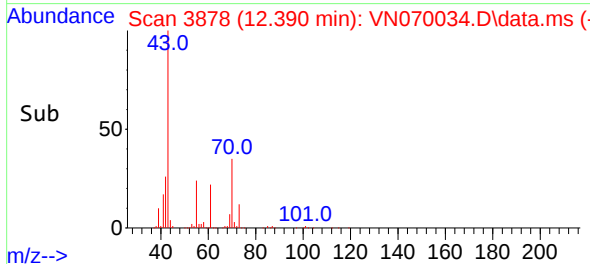
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



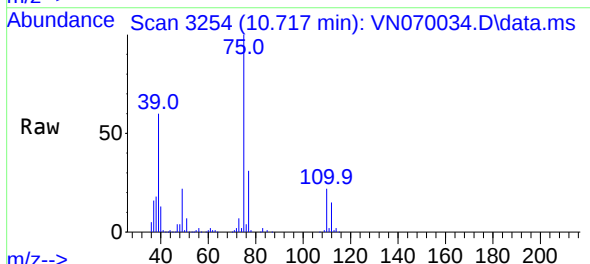
Tgt Ion: 43 Resp: 408219
Ion Ratio Lower Upper
43 100
55 23.4 19.0 28.6

Manual Integrations
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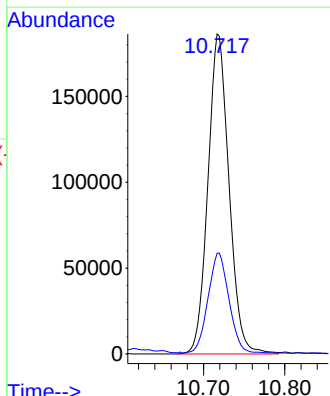
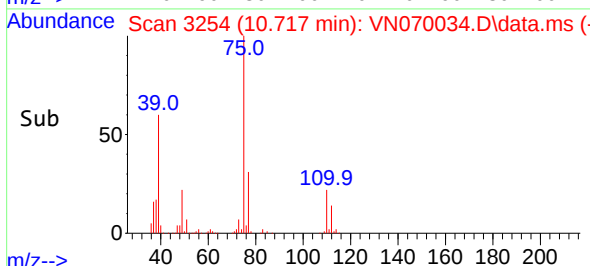
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

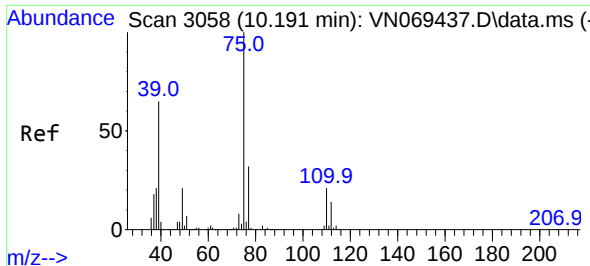


#48
t-1,3-Dichloropropene
Concen: 19.555 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



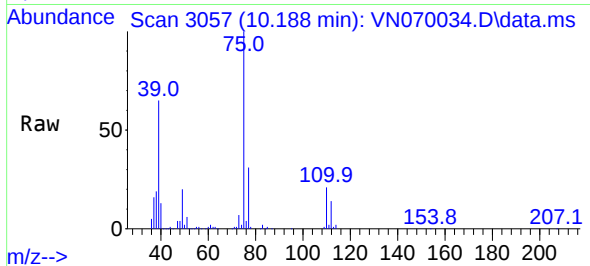
Tgt Ion: 75 Resp: 335825
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9





#49
 cis-1,3-Dichloropropene
 Concen: 19.796 ug/l
 RT: 10.188 min Scan# 3058
 Delta R.T. 0.000 min
 Lab File: VN070034.D
 Acq: 13 Dec 2021 16:04

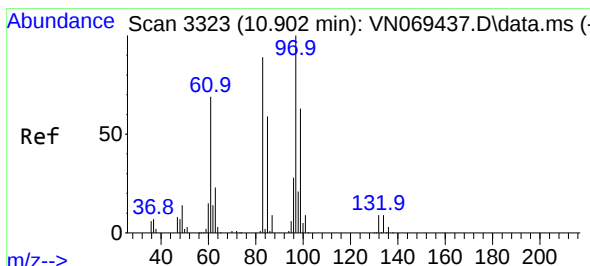
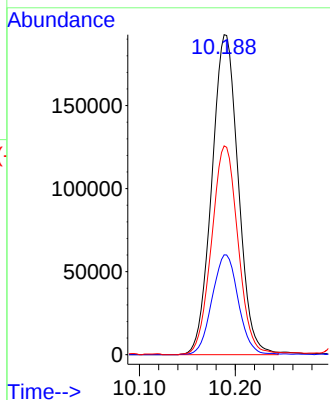
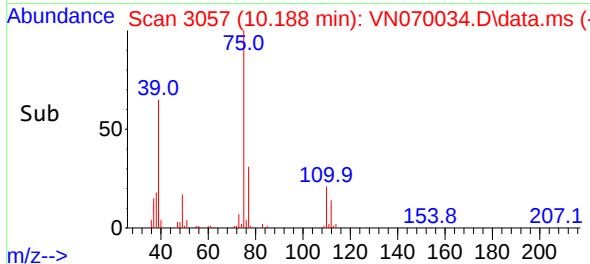
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01



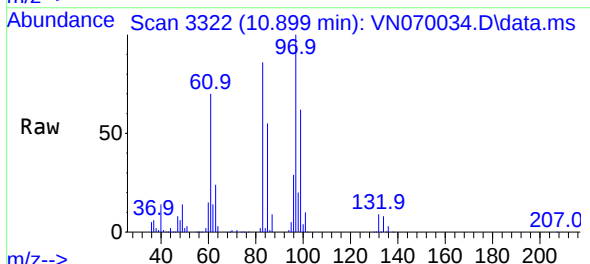
Tgt Ion: 75 Resp: 368954
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.3 37.9
 39 65.2 46.2 69.4

Manual Integrations
 APPROVED

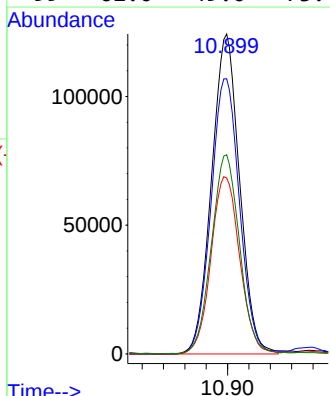
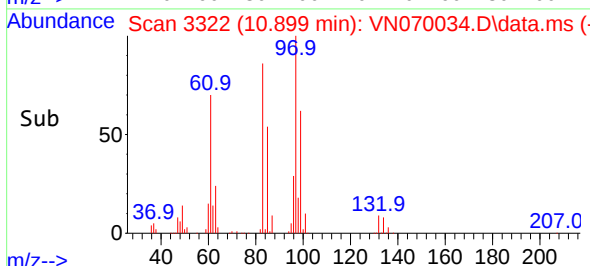
Reviewed By :John Carlone 12/14/2021
 Supervised By :Amit Patel 12/15/2021

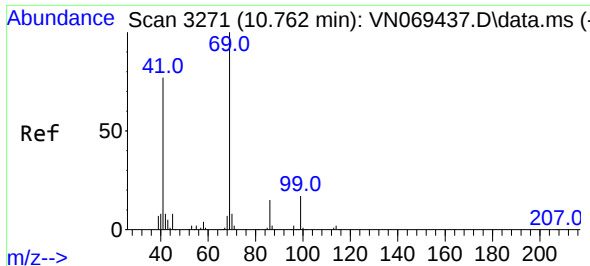


#50
 1,1,2-Trichloroethane
 Concen: 20.638 ug/l
 RT: 10.899 min Scan# 3322
 Delta R.T. 0.000 min
 Lab File: VN070034.D
 Acq: 13 Dec 2021 16:04



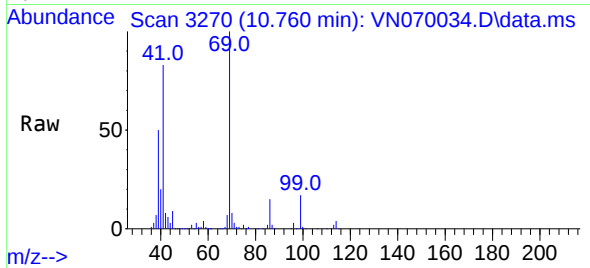
Tgt Ion: 97 Resp: 226515
 Ion Ratio Lower Upper
 97 100
 83 85.9 67.2 100.8
 85 55.0 43.0 64.4
 99 62.0 49.0 73.4





#51
Ethyl methacrylate
Concen: 20.431 ug/l
RT: 10.760 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

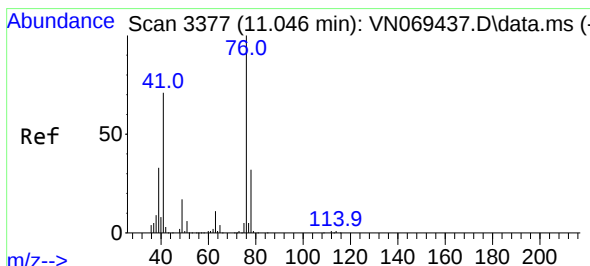
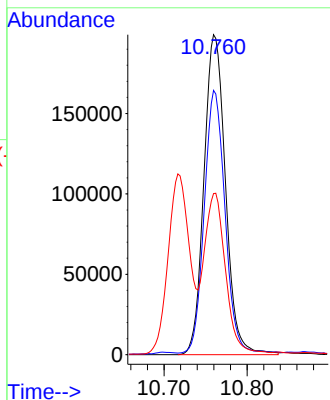
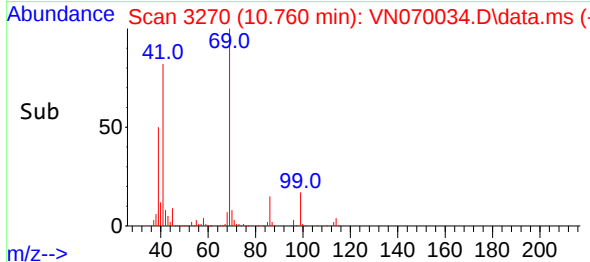
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 69 Resp: 35841
Ion Ratio Lower Upper
69 100
41 82.1 33.0 98.9
39 49.5 25.4 76.4

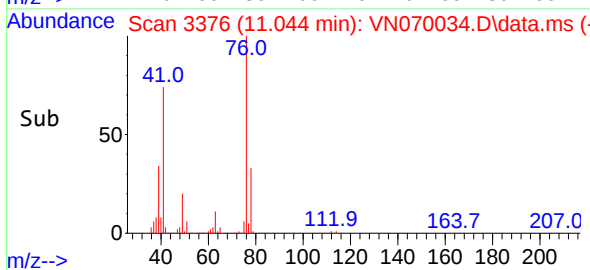
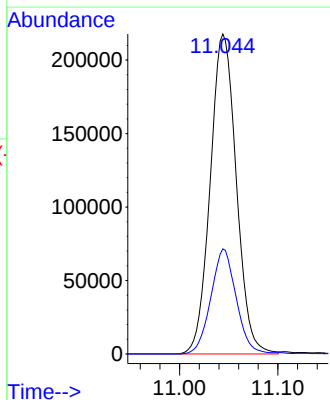
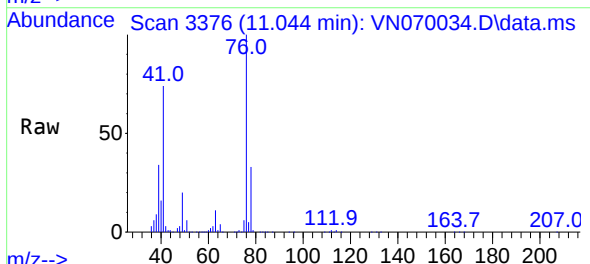
Manual Integrations
APPROVED

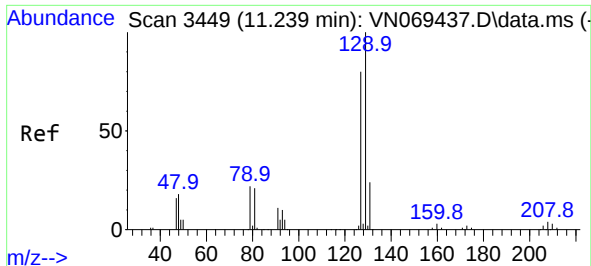
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#52
1,3-Dichloropropane
Concen: 20.651 ug/l
RT: 11.044 min Scan# 3376
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion: 76 Resp: 401332
Ion Ratio Lower Upper
76 100
78 31.9 0.0 65.4





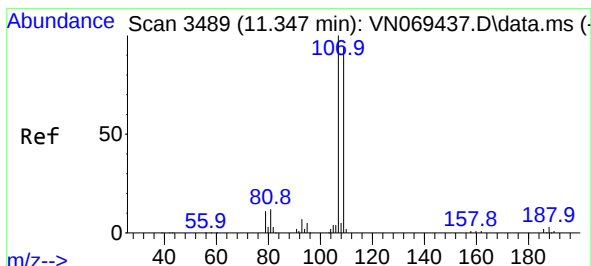
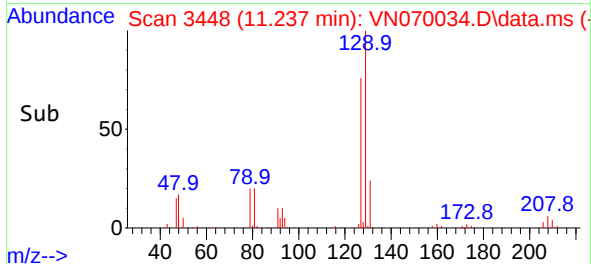
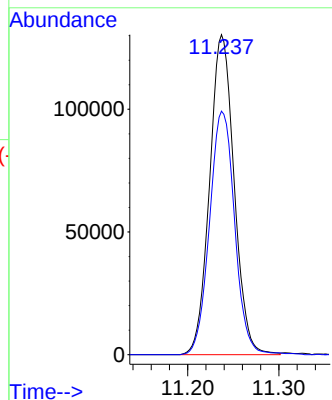
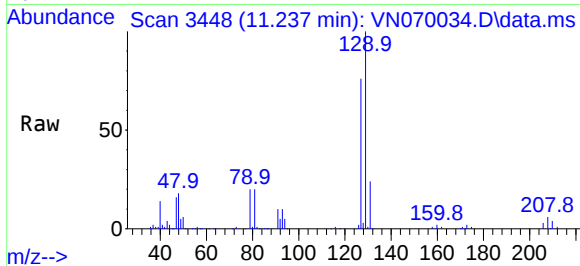
#53
Dibromochloromethane
Concen: 19.767 ug/l
RT: 11.237 min Scan# 3449
Delta R.T. -0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion:129 Resp: 24371
Ion Ratio Lower Upper
129 100
127 77.6 39.0 117.0

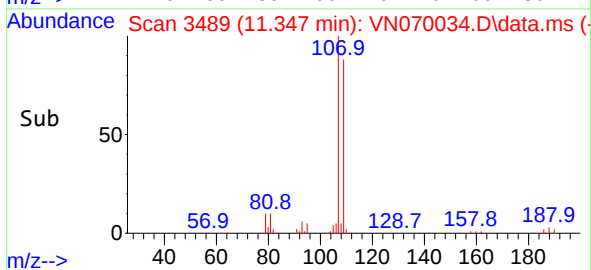
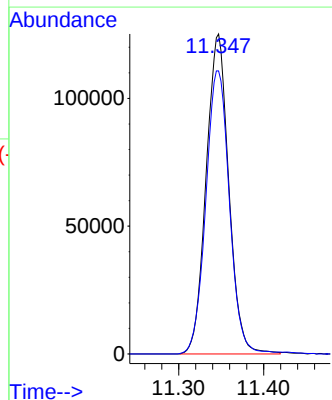
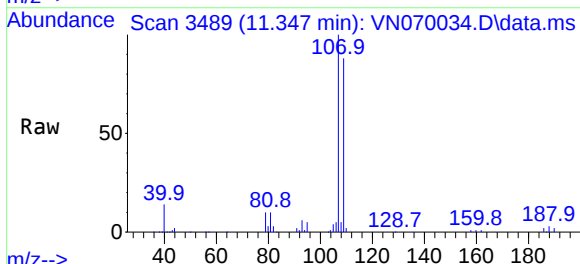
Manual Integrations
APPROVED

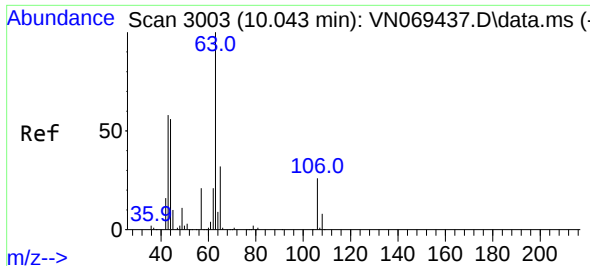
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#54
1,2-Dibromoethane
Concen: 20.743 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion:107 Resp: 231970
Ion Ratio Lower Upper
107 100
109 92.2 72.8 109.2





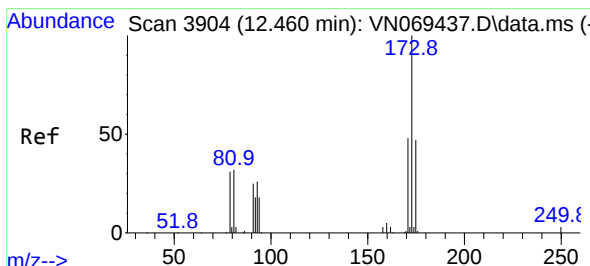
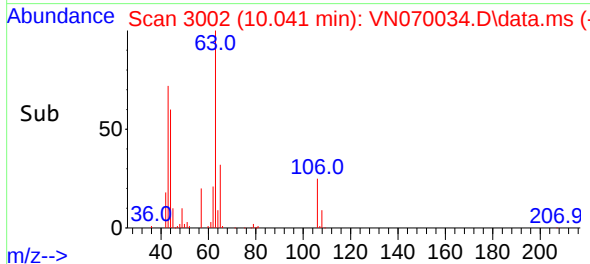
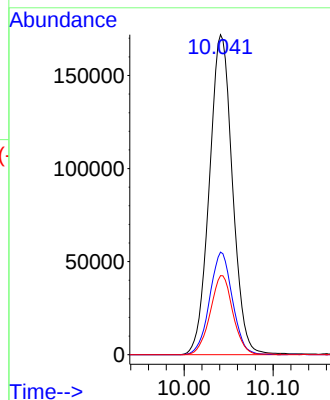
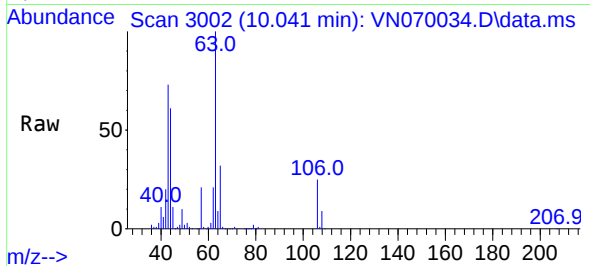
#55
2-Chloroethyl vinyl ether
Concen: 90.089 ug/l
RT: 10.041 min Scan# 3003
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion: 63 Resp: 30981
Ion Ratio Lower Upper
63 100
65 31.7 25.4 38.0
106 24.3 23.2 34.8

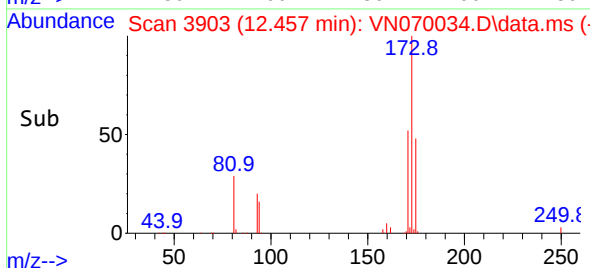
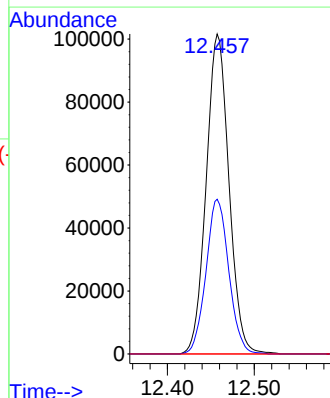
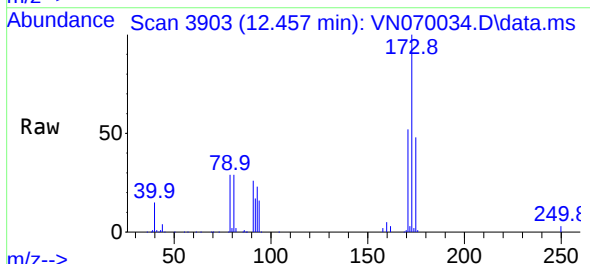
Manual Integrations
APPROVED

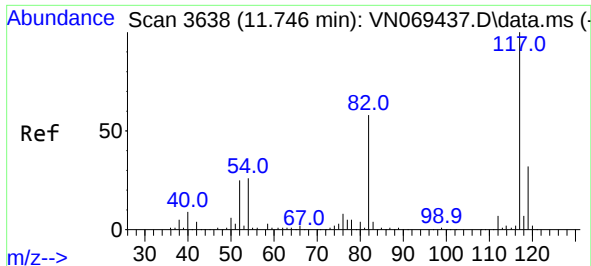
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#56
Bromoform
Concen: 19.681 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion:173 Resp: 184746
Ion Ratio Lower Upper
173 100
175 48.5 38.6 58.0
254 0.0 0.0 0.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :

MSVOA_N

ClientSampleId :

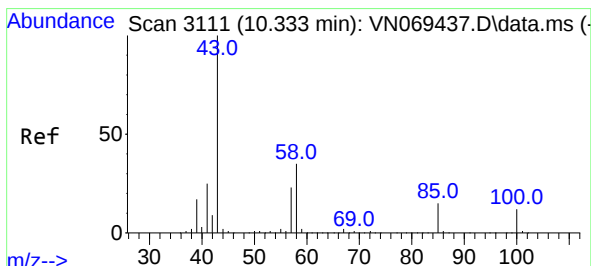
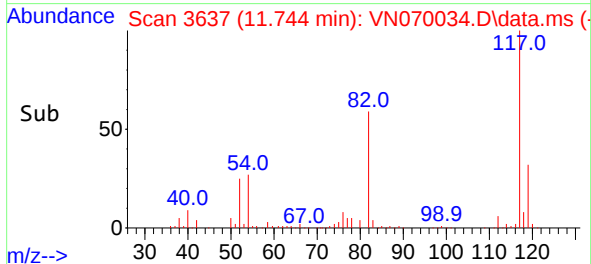
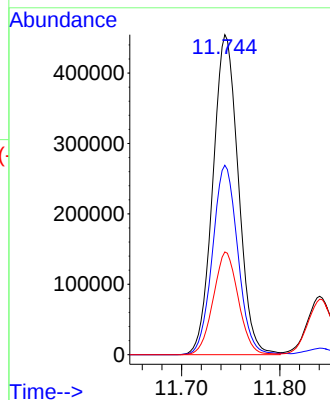
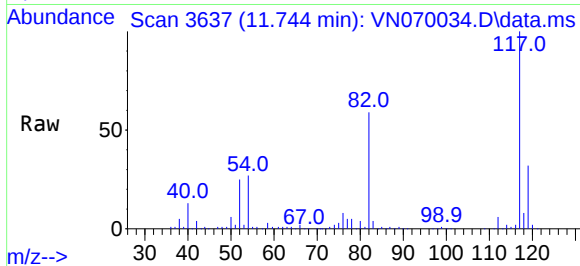
VN1213WBSD01

Tgt Ion:117 Resp: 817914
Ion Ratio Lower Upper
117 100
82 59.0 43.6 65.4
119 31.8 25.8 38.6

Manual Integrations

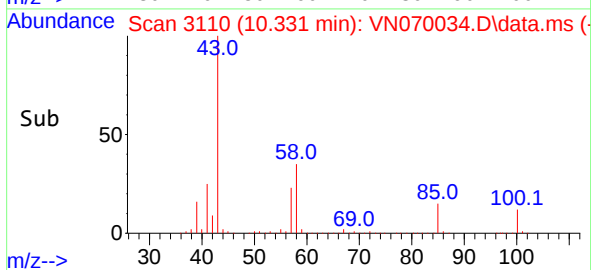
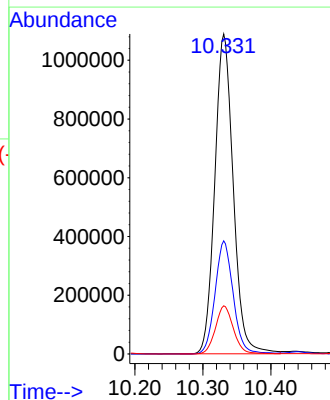
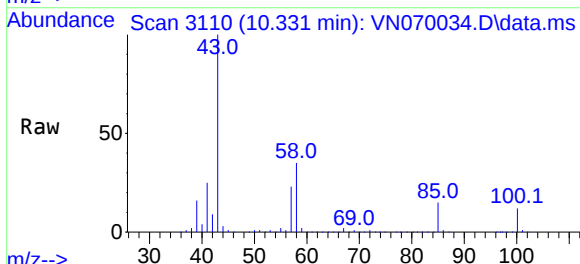
APPROVED

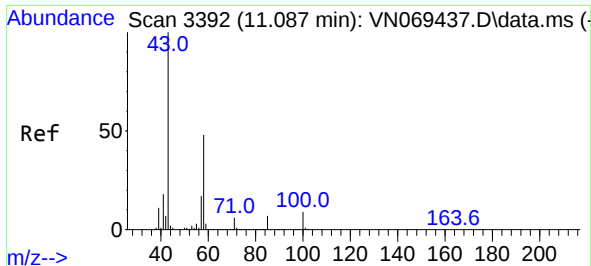
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#58
4-Methyl-2-Pentanone
Concen: 109.433 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion: 43 Resp: 2054370
Ion Ratio Lower Upper
43 100
58 34.8 30.0 45.0
85 14.8 15.0 22.6#





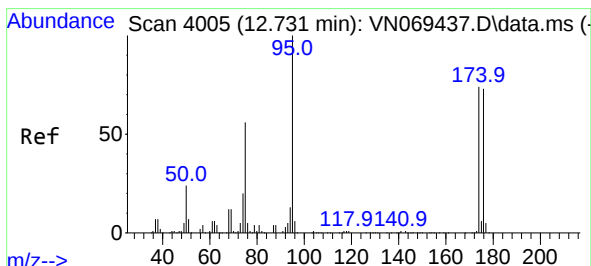
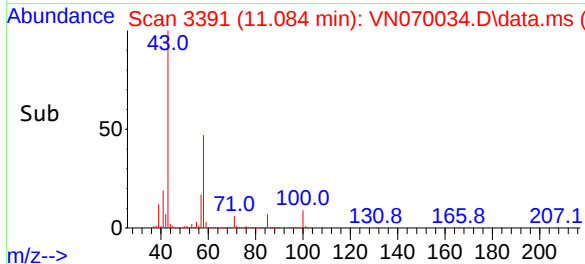
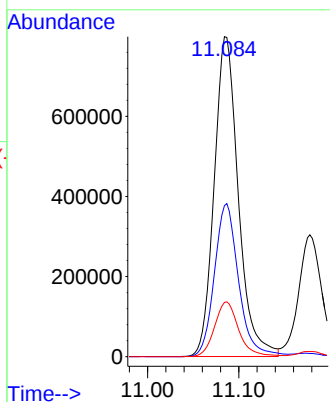
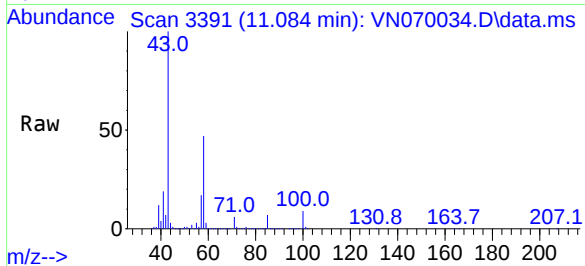
#59
2-Hexanone
Concen: 105.804 ug/l
RT: 11.084 min Scan# 3392
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion: 43 Resp: 1468410
Ion Ratio Lower Upper
43 100
58 48.1 42.2 63.2
57 17.3 15.0 22.4

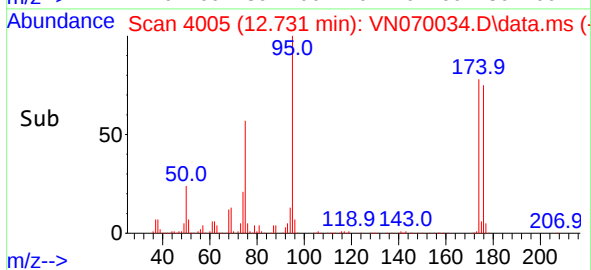
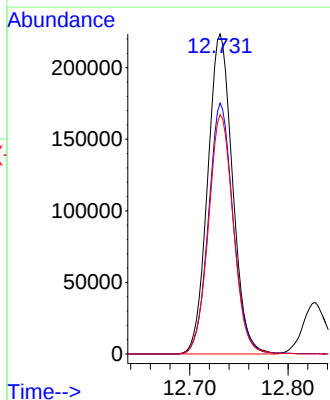
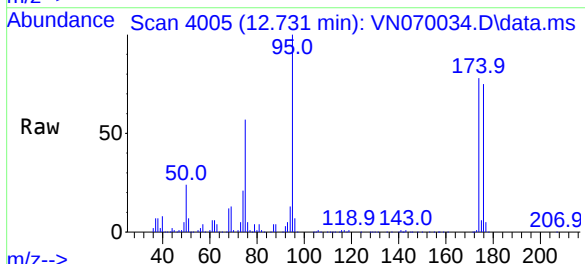
Manual Integrations
APPROVED

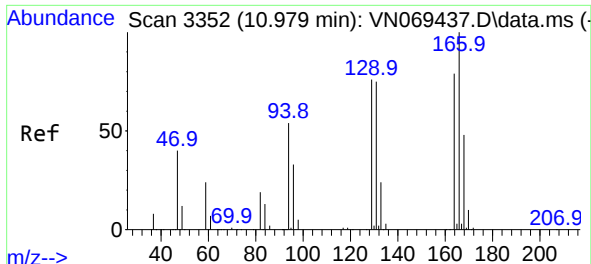
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#60
4-Bromofluorobenzene
Concen: 29.215 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

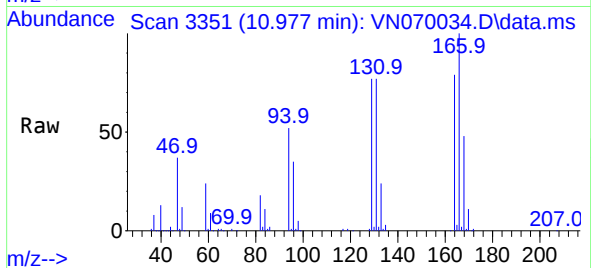
Tgt Ion: 95 Resp: 393188
Ion Ratio Lower Upper
95 100
174 77.7 62.9 94.3
176 74.8 61.0 91.4





#61
Tetrachloroethene
Concen: 20.541 ug/l
RT: 10.977 min Scan# 3175
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

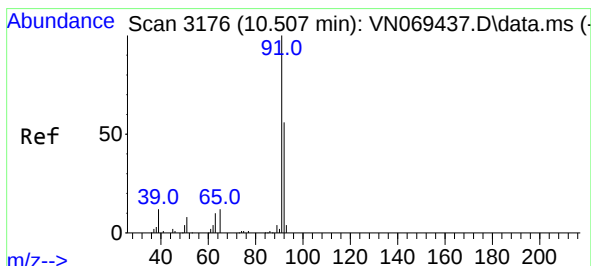
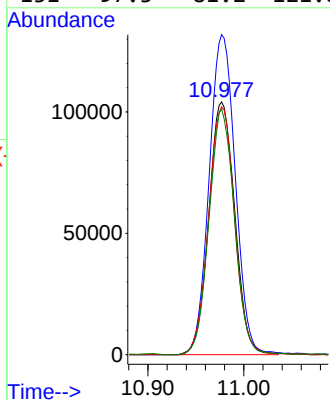
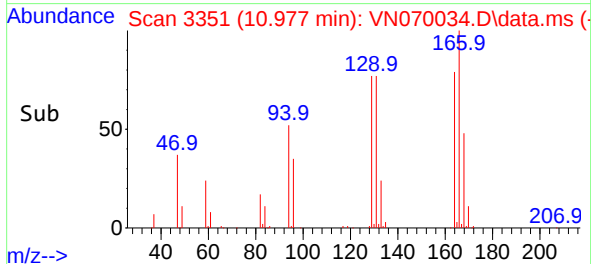
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



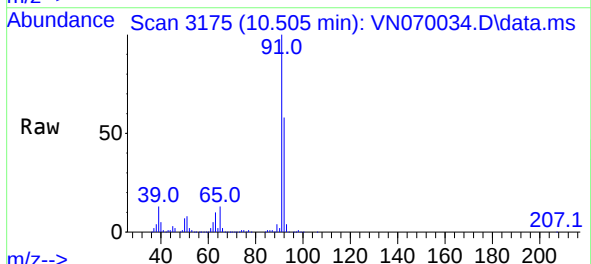
Tgt Ion:164 Resp: 196220
Ion Ratio Lower Upper
164 100
166 126.6 105.8 158.8
129 98.0 82.5 123.7
131 97.3 81.2 121.8

Manual Integrations
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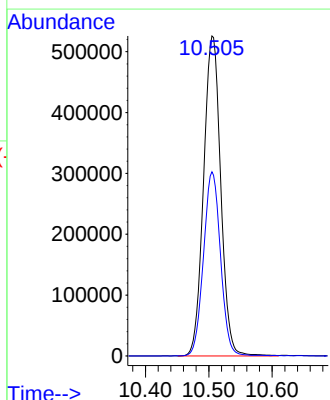
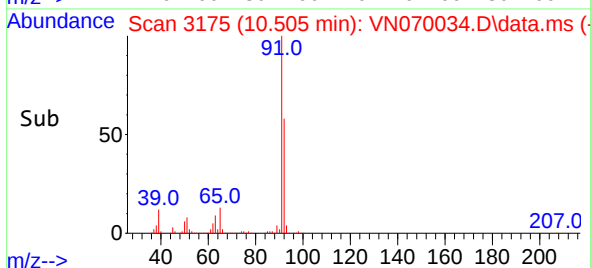
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

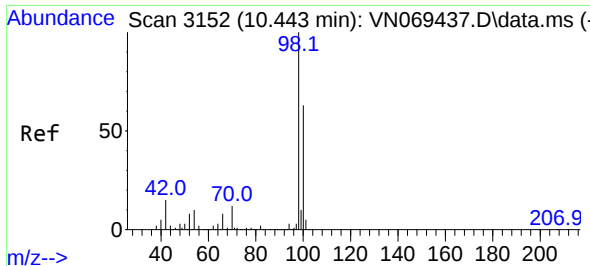


#62
Toluene
Concen: 20.595 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



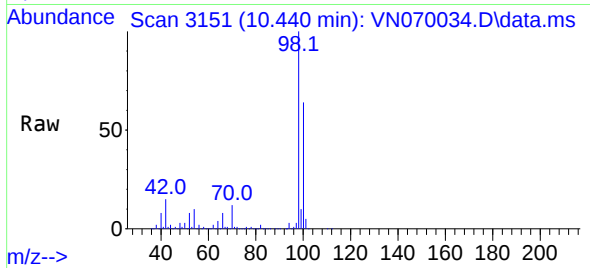
Tgt Ion: 91 Resp: 990655
Ion Ratio Lower Upper
91 100
92 56.8 44.6 67.0





#63
Toluene-d8
Concen: 30.743 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

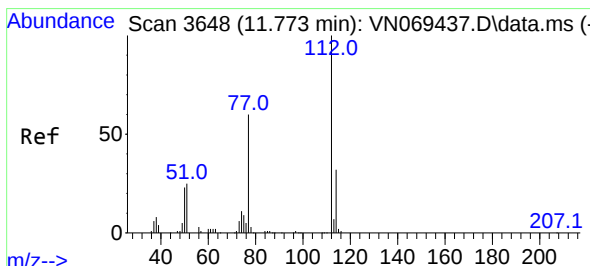
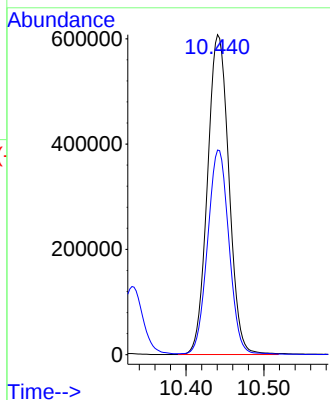
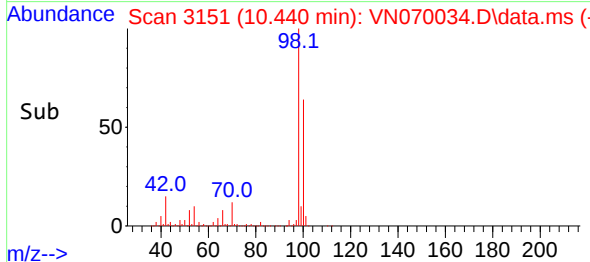
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



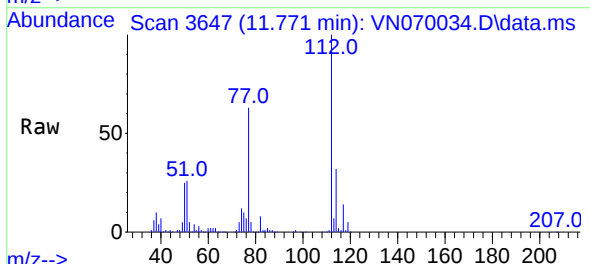
Tgt Ion: 98 Resp: 116198
Ion Ratio Lower Upper
98 100
100 63.0 50.6 76.0

Manual Integrations
APPROVED

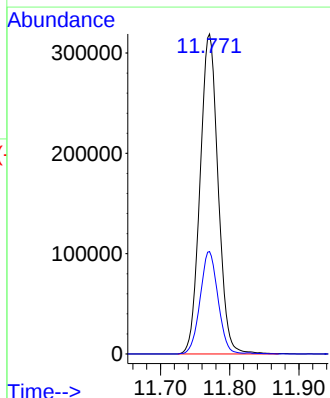
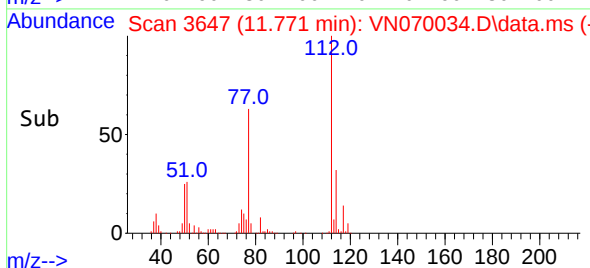
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

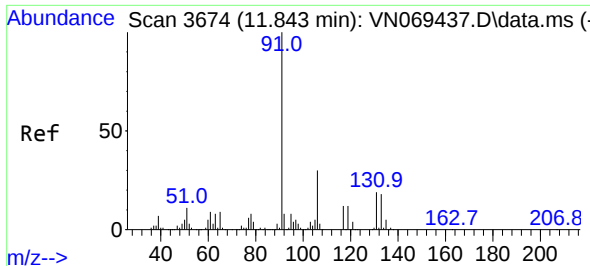


#64
Chlorobenzene
Concen: 20.222 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



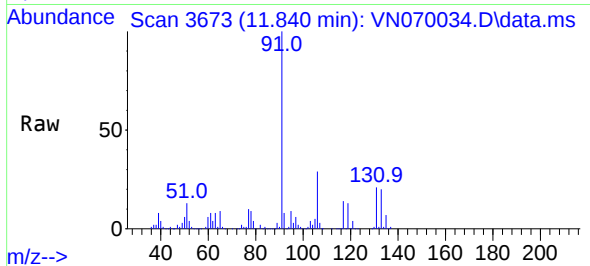
Tgt Ion:112 Resp: 577304
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 20.876 ug/l
RT: 11.840 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

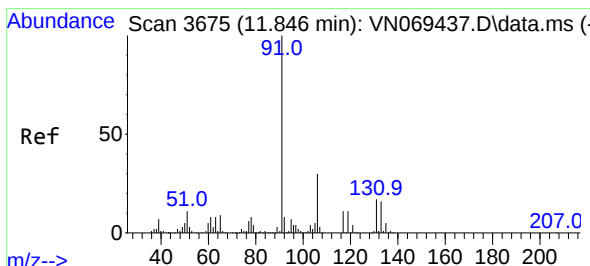
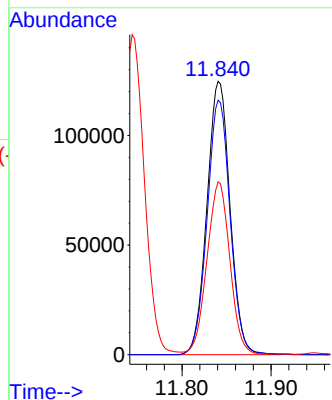
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion:131 Resp: 224469
Ion Ratio Lower Upper
131 100
133 93.0 0.0 191.2
119 62.3 0.0 128.8

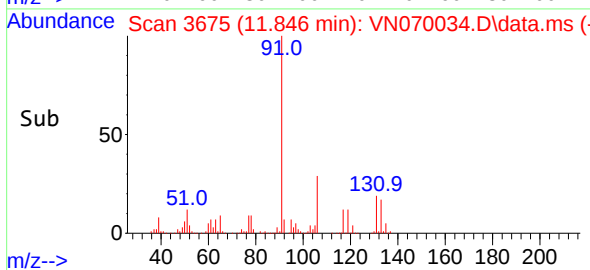
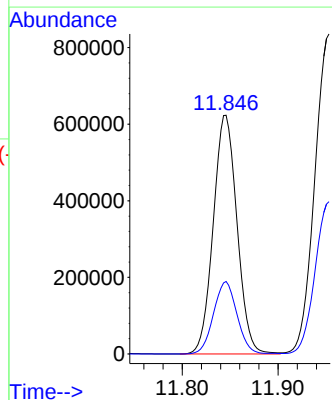
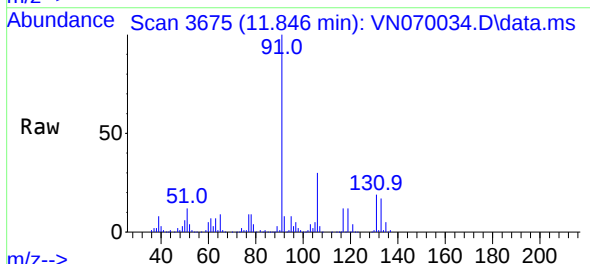
Manual Integrations
APPROVED

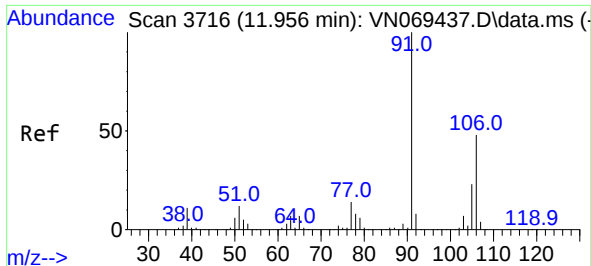
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#66
Ethyl Benzene
Concen: 20.053 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion: 91 Resp: 1072382
Ion Ratio Lower Upper
91 100
106 30.4 24.0 36.0





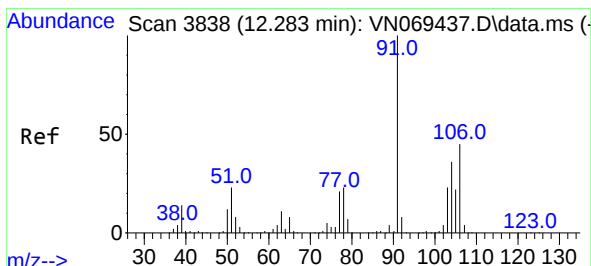
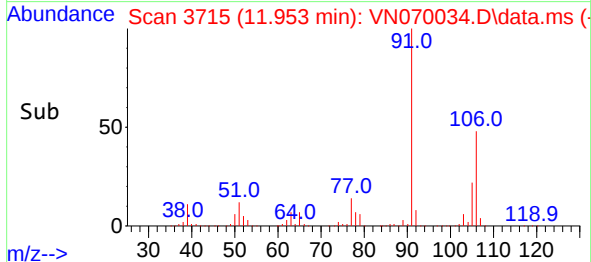
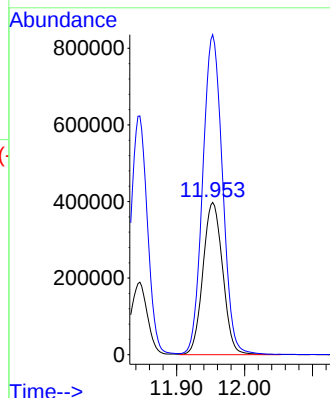
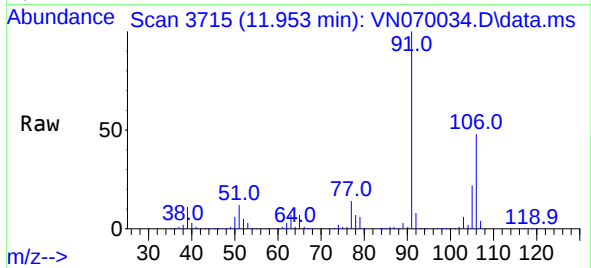
#67
m/p-Xylenes
Concen: 41.122 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion:106 Resp: 80344
Ion Ratio Lower Upper
106 100
91 209.8 162.9 244.3

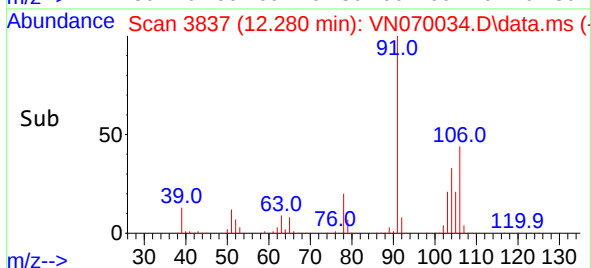
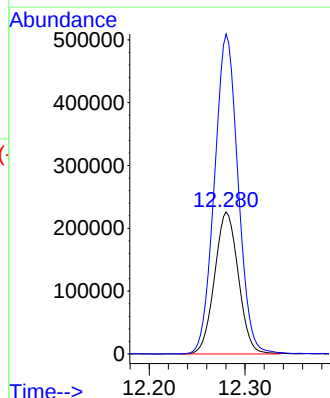
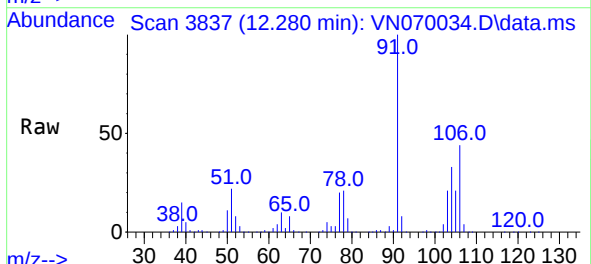
Manual Integrations
APPROVED

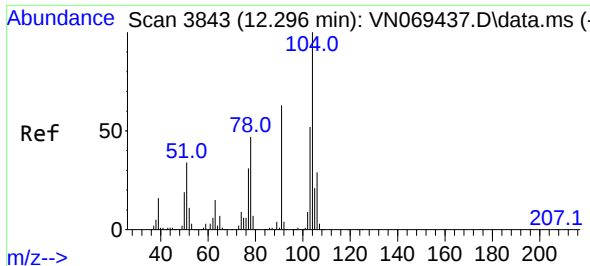
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#68
o-Xylene
Concen: 20.139 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion:106 Resp: 389314
Ion Ratio Lower Upper
106 100
91 223.8 107.7 323.1





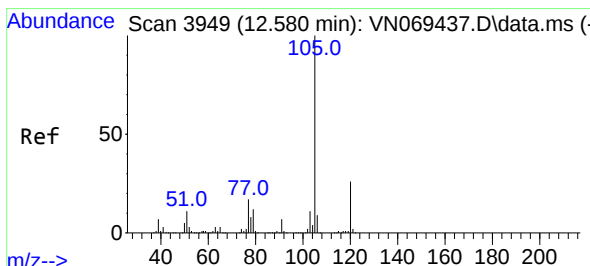
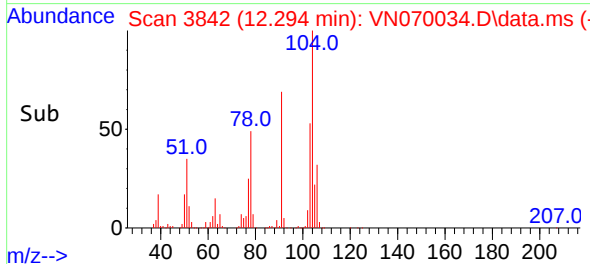
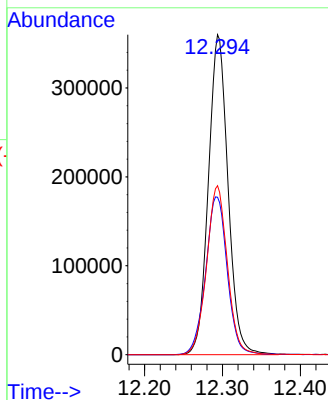
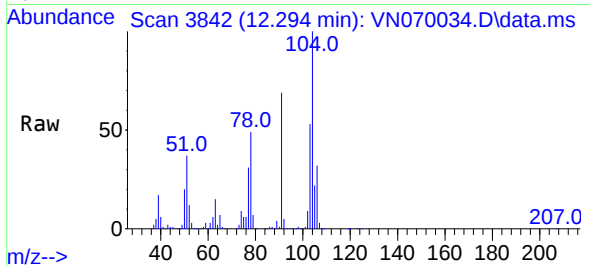
#69
Styrene
Concen: 19.999 ug/l
RT: 12.294 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion:104 Resp: 63014
Ion Ratio Lower Upper
104 100
78 54.4 40.7 61.1
103 56.1 45.8 68.8

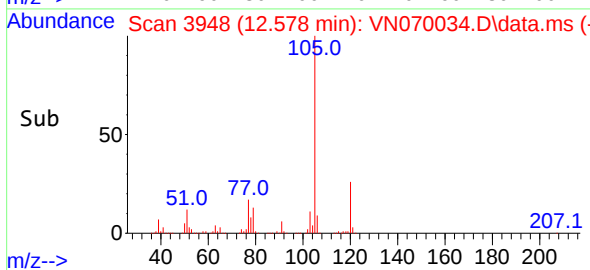
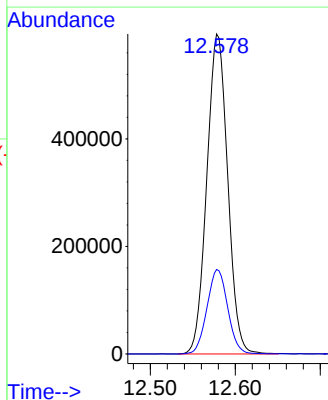
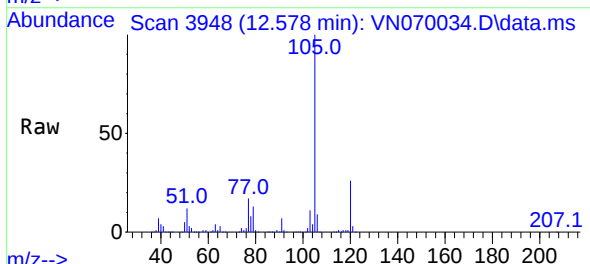
Manual Integrations
APPROVED

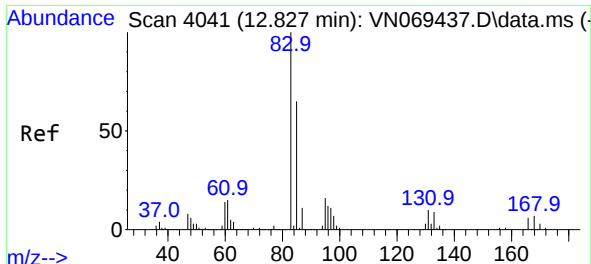
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#70
Isopropylbenzene
Concen: 20.025 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

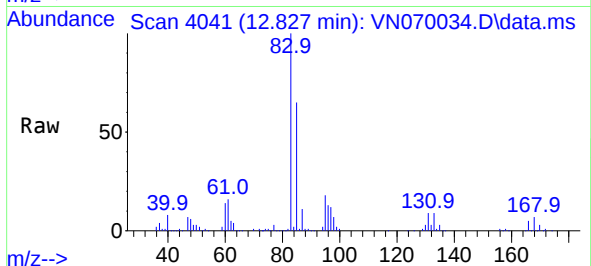
Tgt Ion:105 Resp: 1015629
Ion Ratio Lower Upper
105 100
120 26.2 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 21.379 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

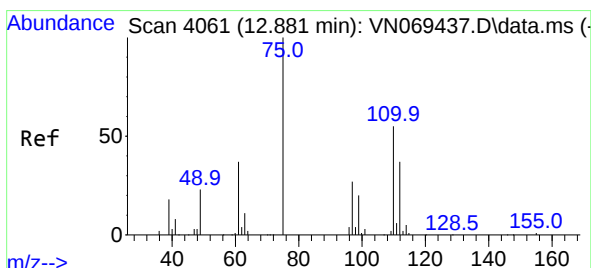
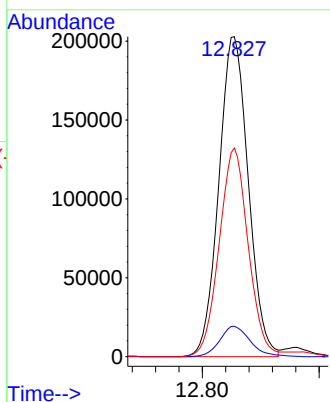
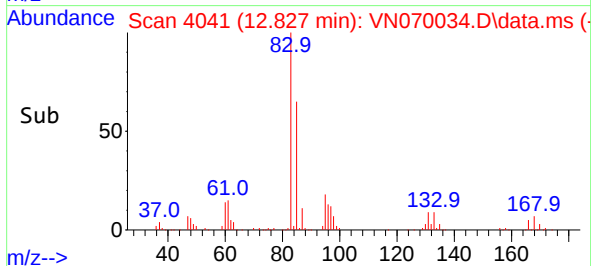
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



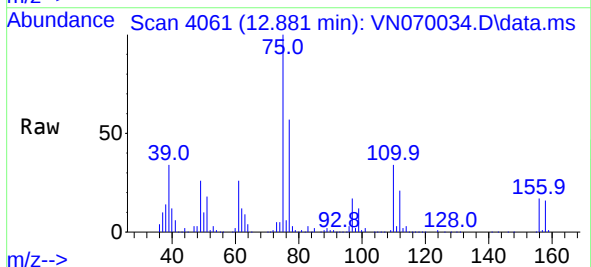
Tgt Ion: 83 Resp: 355639
Ion Ratio Lower Upper
83 100
131 9.9 5.1 15.3
85 64.1 33.1 99.2

Manual Integrations
APPROVED

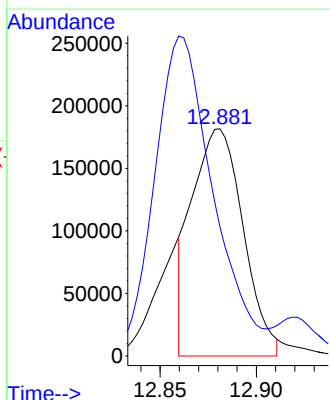
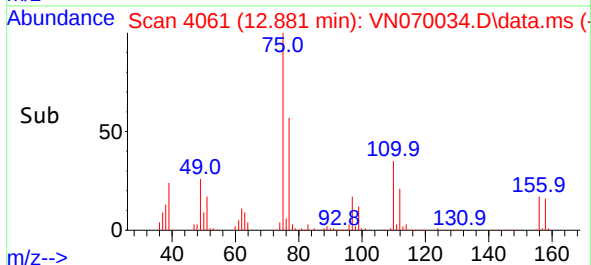
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

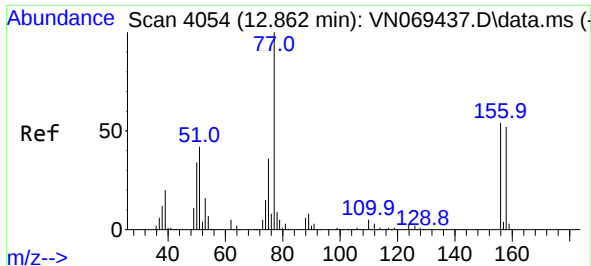


#72
1,2,3-Trichloropropane
Concen: 21.676 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



Tgt Ion: 75 Resp: 335533
Ion Ratio Lower Upper
75 100
77 161.8 0.0 378.0





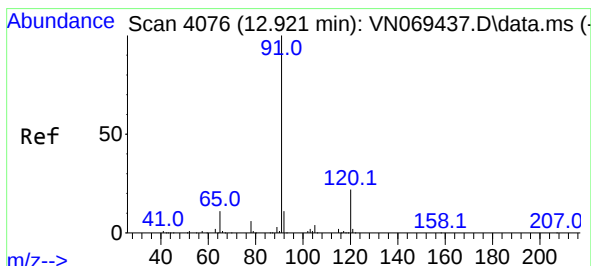
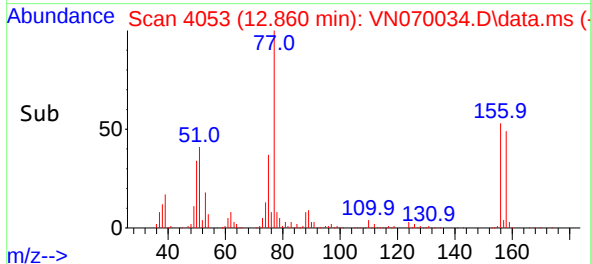
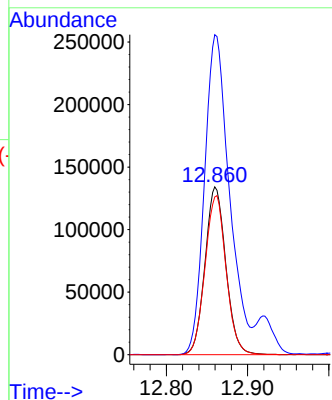
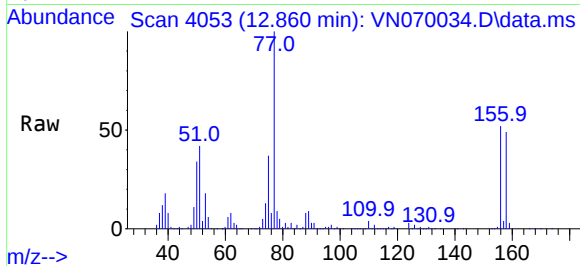
#73
Bromobenzene
Concen: 20.344 ug/l
RT: 12.860 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion:156 Resp: 239458
Ion Ratio Lower Upper
156 100
77 226.7 0.0 416.0
158 95.9 0.0 195.4

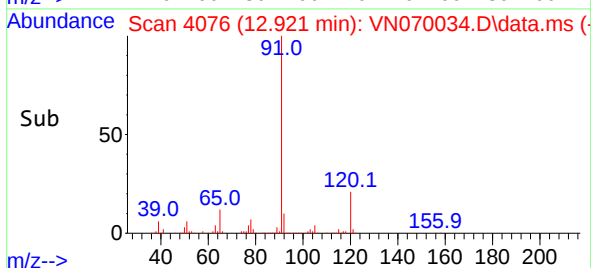
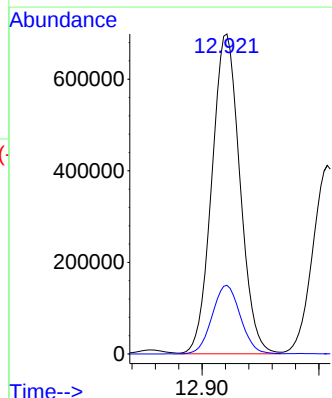
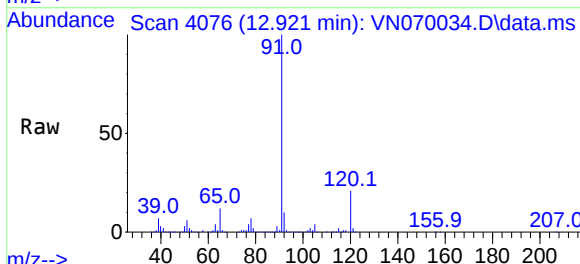
Manual Integrations
APPROVED

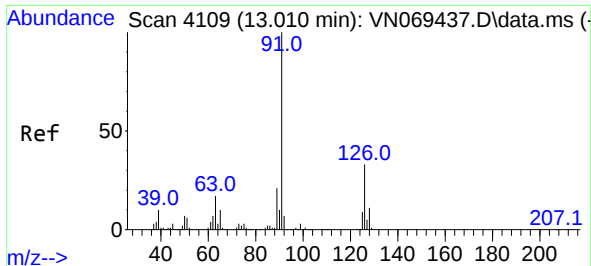
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#74
n-propylbenzene
Concen: 19.816 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion: 91 Resp: 1164939
Ion Ratio Lower Upper
91 100
120 21.6 0.0 45.0





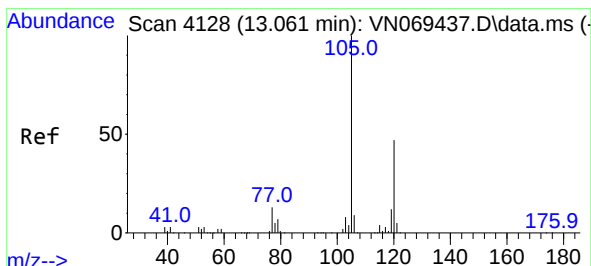
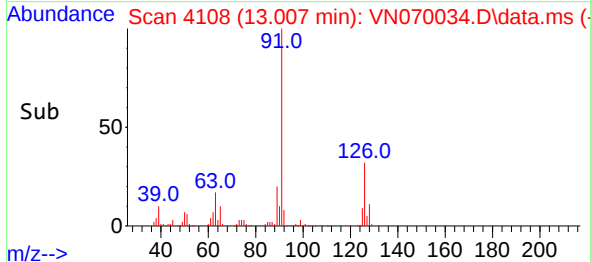
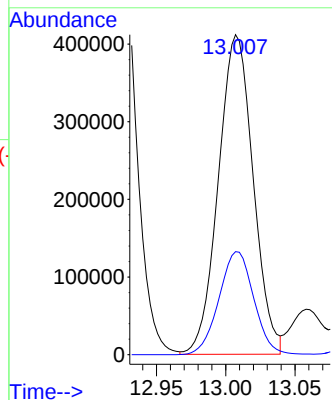
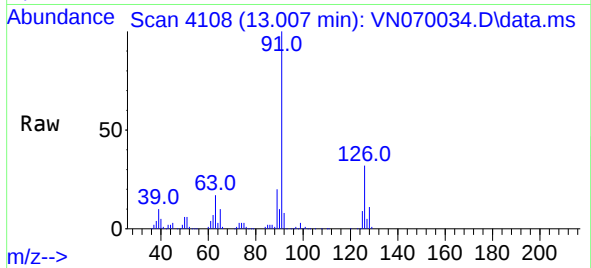
#75
2-Chlorotoluene
Concen: 20.017 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion: 91 Resp: 720092
Ion Ratio Lower Upper
91 100
126 32.3 0.0 69.8

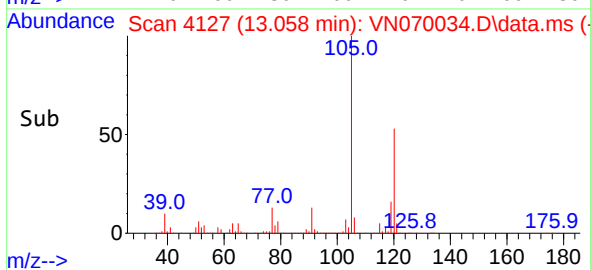
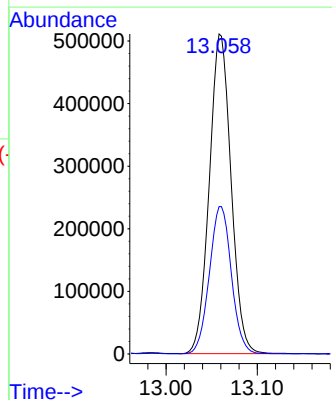
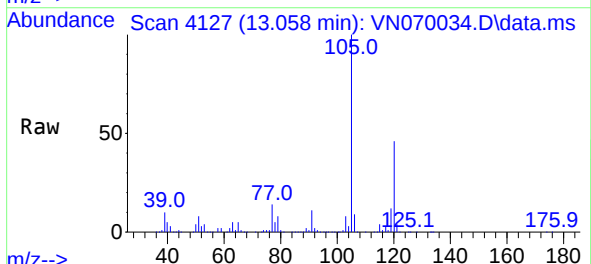
Manual Integrations
APPROVED

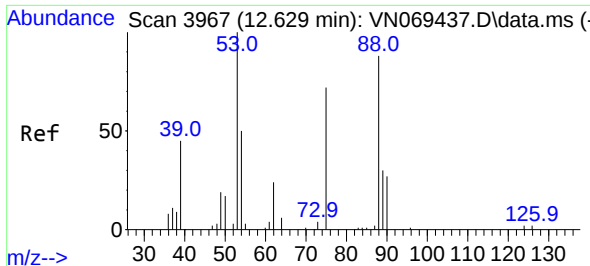
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#76
1,3,5-Trimethylbenzene
Concen: 20.297 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

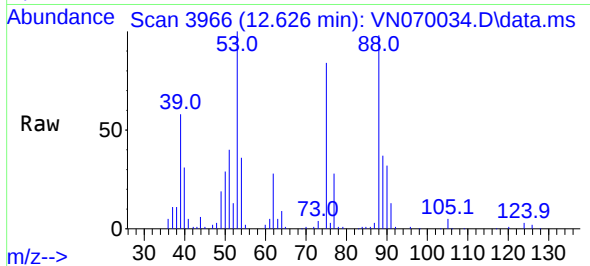
Tgt Ion:105 Resp: 845822
Ion Ratio Lower Upper
105 100
120 46.6 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 19.592 ug/l
RT: 12.626 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

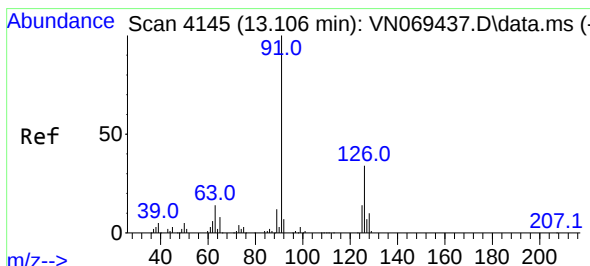
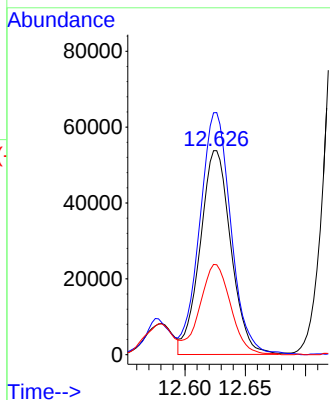
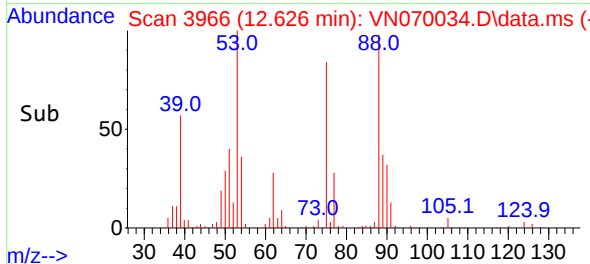
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



Tgt Ion: 75 Resp: 95368
Ion Ratio Lower Upper
75 100
53 118.0 51.8 155.5
89 44.0 22.9 68.7

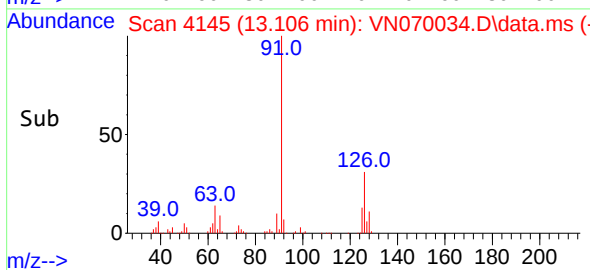
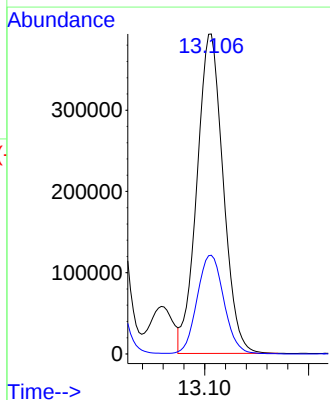
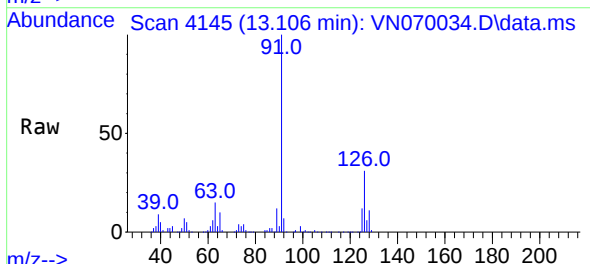
Manual Integrations
APPROVED

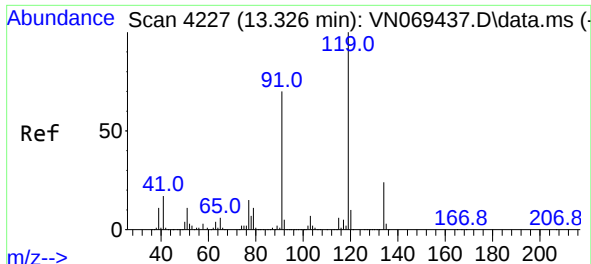
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#78
4-Chlorotoluene
Concen: 19.959 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion: 91 Resp: 688556
Ion Ratio Lower Upper
91 100
126 31.4 0.0 70.6





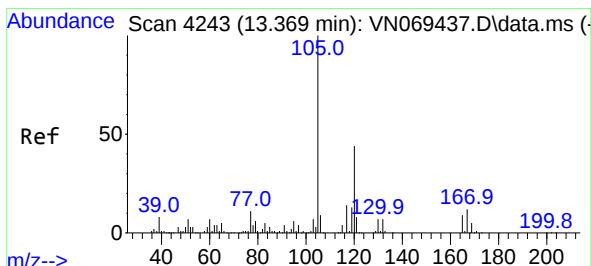
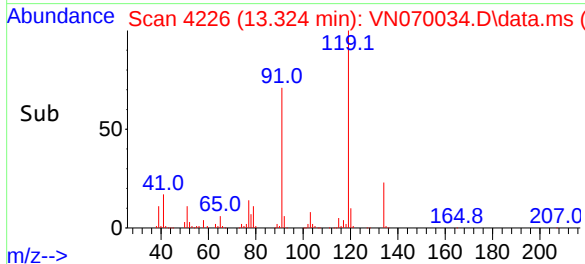
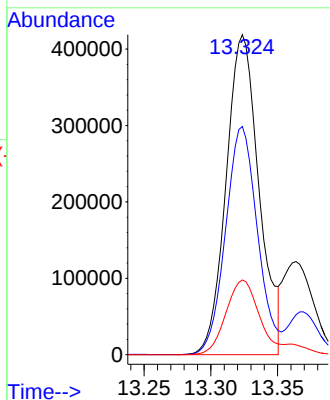
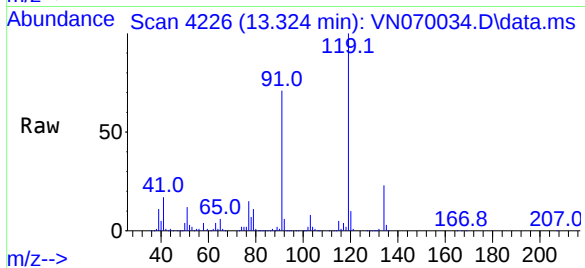
#79
tert-butylbenzene
Concen: 19.880 ug/l
RT: 13.324 min Scan# 4227
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion:119 Resp: 71897
Ion Ratio Lower Upper
119 100
91 69.6 0.0 137.0
134 23.6 0.0 47.6

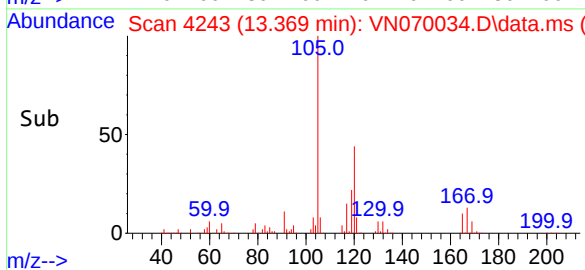
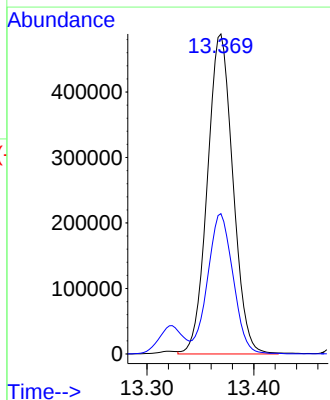
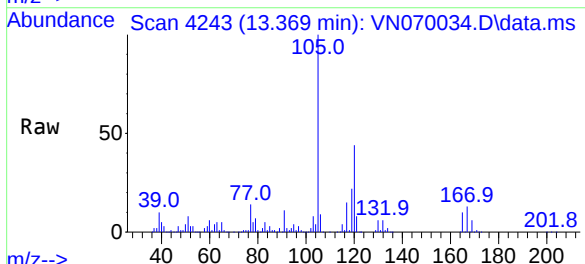
Manual Integrations
APPROVED

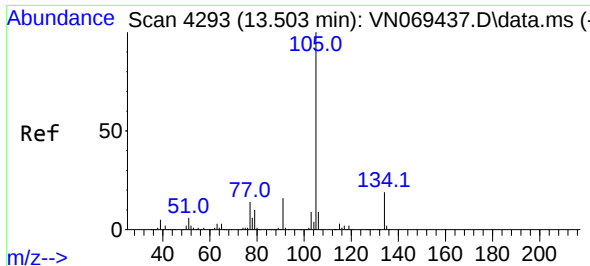
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#80
1,2,4-Trimethylbenzene
Concen: 20.140 ug/l m
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion:105 Resp: 811567
Ion Ratio Lower Upper
105 100
120 0.2 0.0 0.2





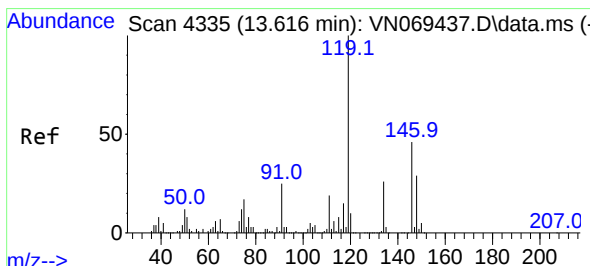
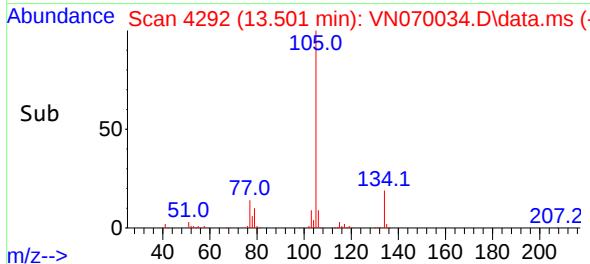
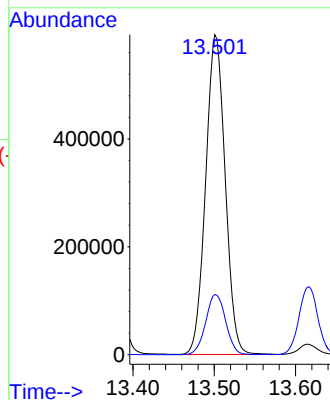
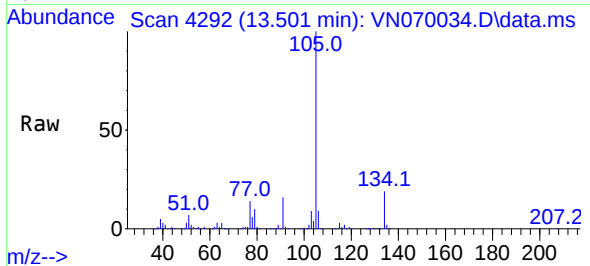
#81
 sec-Butylbenzene
 Concen: 19.641 ug/l
 RT: 13.501 min Scan# 4292
 Delta R.T. 0.000 min
 Lab File: VN070034.D
 Acq: 13 Dec 2021 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

Tgt Ion:105 Resp: 991178
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 39.4

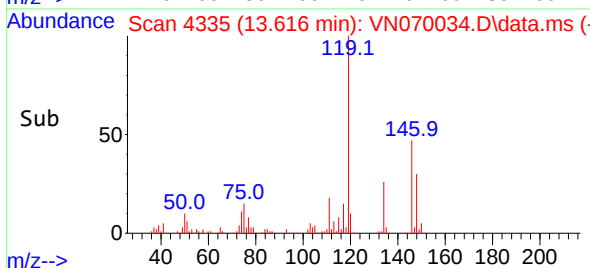
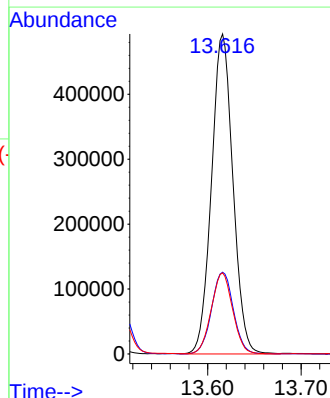
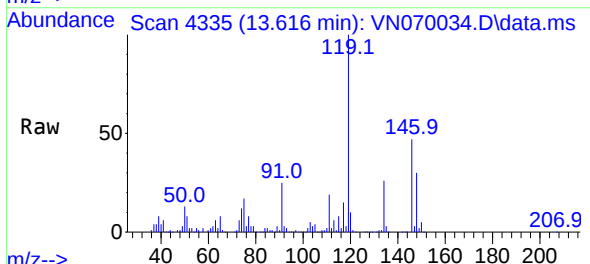
Manual Integrations
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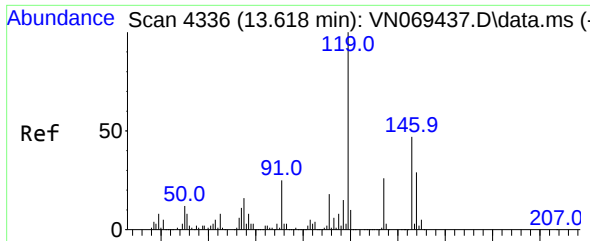
Reviewed By :John Carlone 12/14/2021
 Supervised By :Amit Patel 12/15/2021



#82
 p-Isopropyltoluene
 Concen: 19.581 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070034.D
 Acq: 13 Dec 2021 16:04

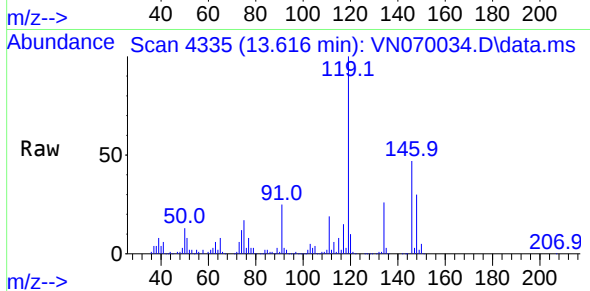
Tgt Ion:119 Resp: 787253
 Ion Ratio Lower Upper
 119 100
 134 25.9 0.0 51.8
 91 25.2 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 20.413 ug/l
RT: 13.616 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

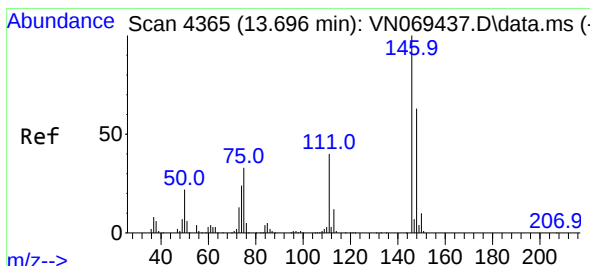
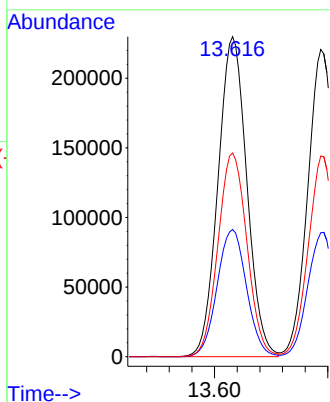
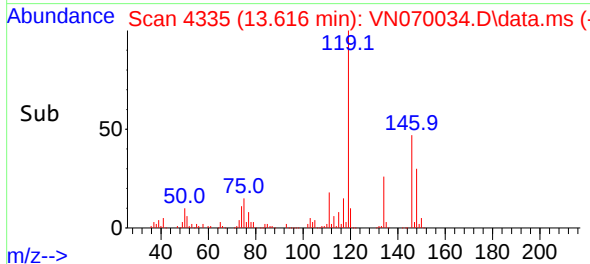
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



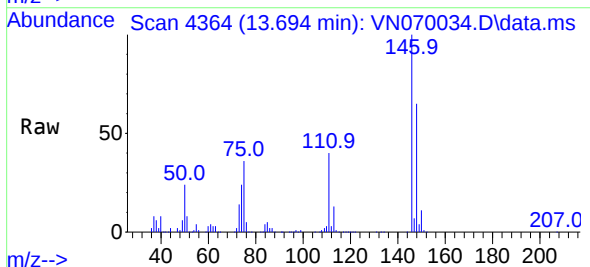
Tgt Ion:146 Resp: 406369
Ion Ratio Lower Upper
146 100
111 40.5 20.8 62.2
148 63.9 31.4 94.3

Manual Integrations
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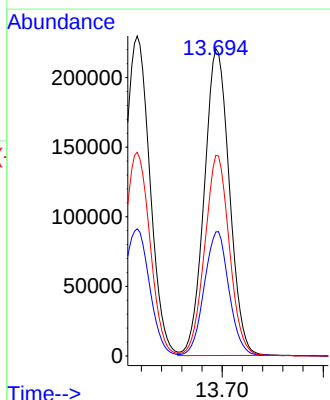
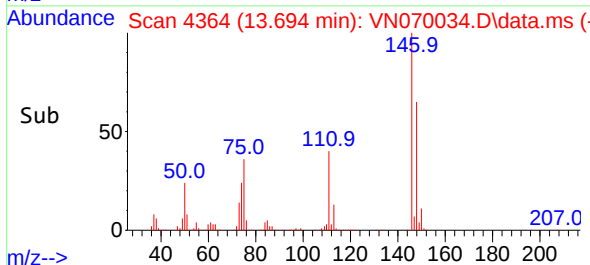
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

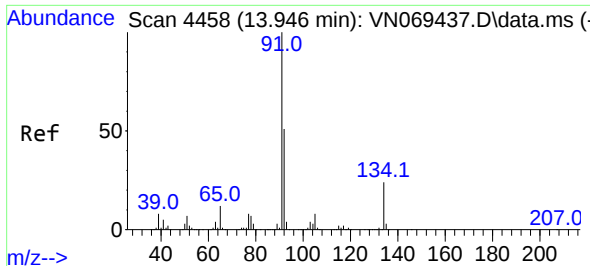


#84
1,4-Dichlorobenzene
Concen: 19.885 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



Tgt Ion:146 Resp: 380785
Ion Ratio Lower Upper
146 100
111 40.0 19.5 58.5
148 64.6 31.1 93.5





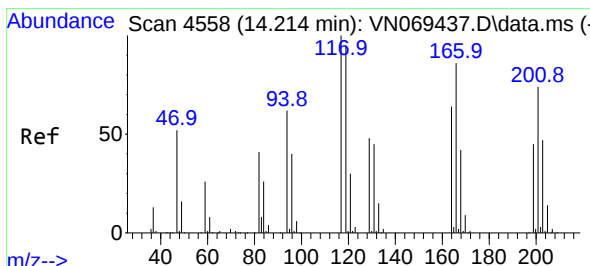
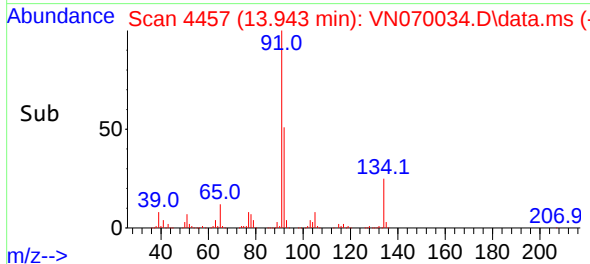
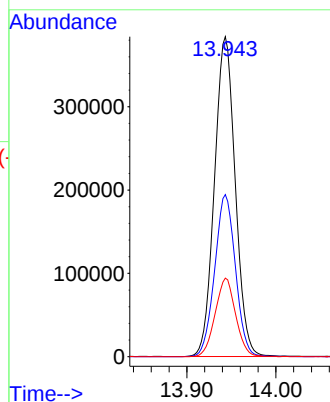
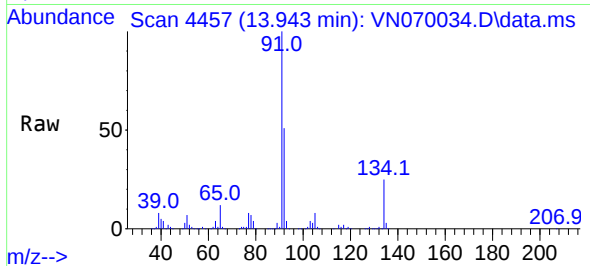
#85
n-Butylbenzene
Concen: 18.555 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion: 91 Resp: 62324
Ion Ratio Lower Upper
91 100
92 50.6 0.0 100.6
134 24.2 0.0 50.2

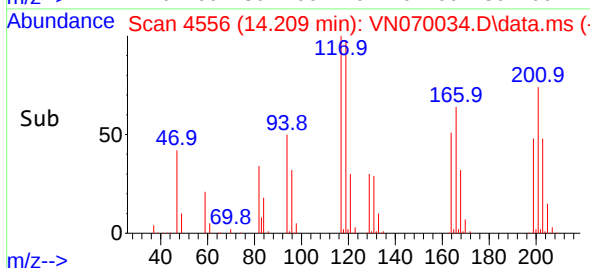
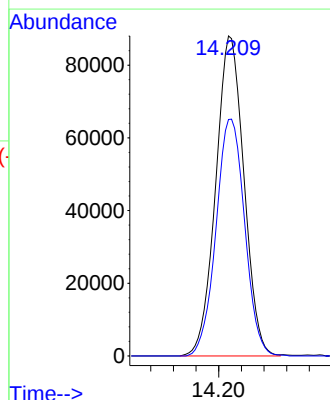
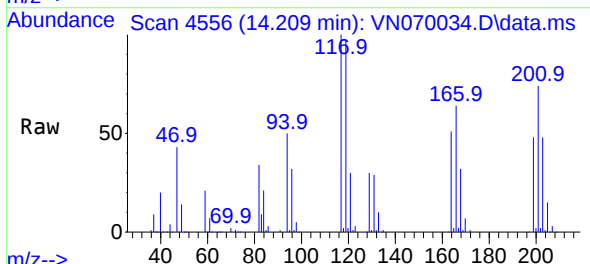
Manual Integrations
APPROVED

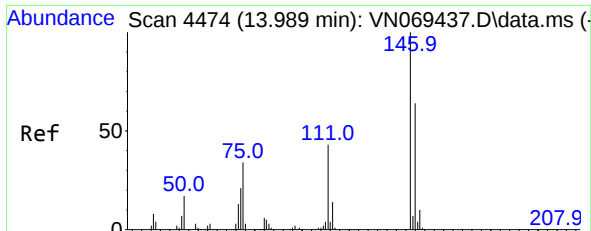
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#86
Hexachloroethane
Concen: 18.961 ug/l
RT: 14.209 min Scan# 4556
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

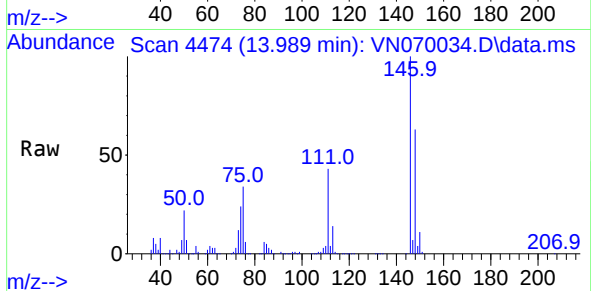
Tgt Ion:117 Resp: 152081
Ion Ratio Lower Upper
117 100
201 75.2 33.3 99.8





#87
1,2-Dichlorobenzene
Concen: 20.322 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

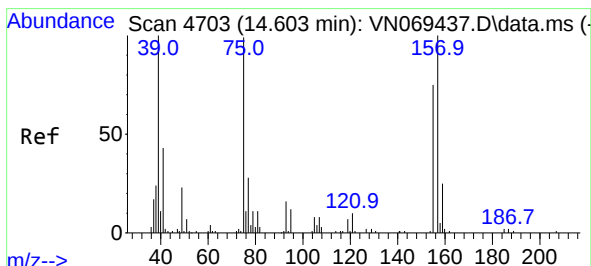
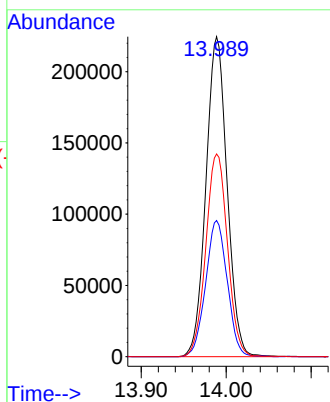
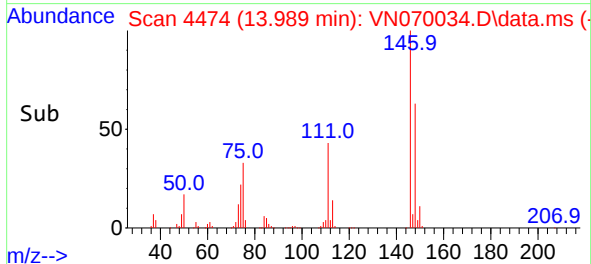
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



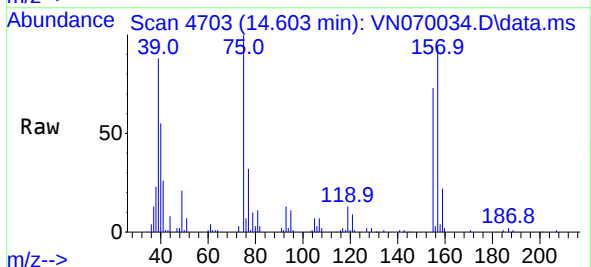
Tgt Ion:146 Resp: 388650
Ion Ratio Lower Upper
146 100
111 43.4 21.4 64.2
148 65.0 32.5 97.4

Manual Integrations
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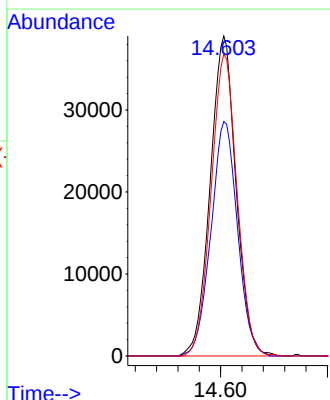
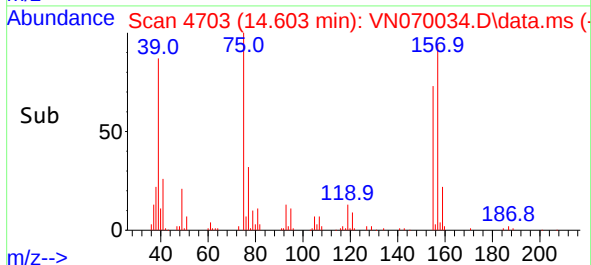
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

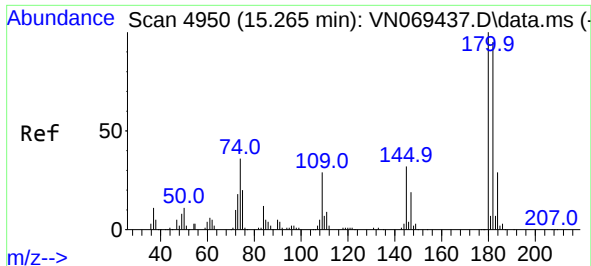


#88
1,2-Dibromo-3-Chloropropane
Concen: 20.646 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



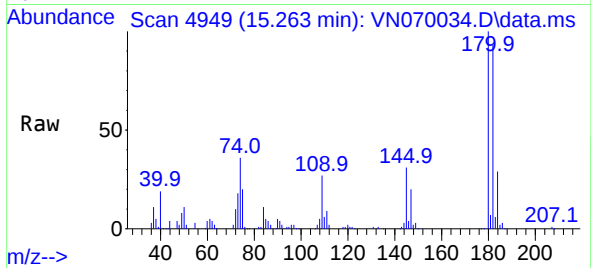
Tgt Ion: 75 Resp: 65696
Ion Ratio Lower Upper
75 100
155 75.2 63.8 95.8
157 94.5 77.9 116.9





#89
1,2,4-Trichlorobenzene
Concen: 19.648 ug/l
RT: 15.263 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

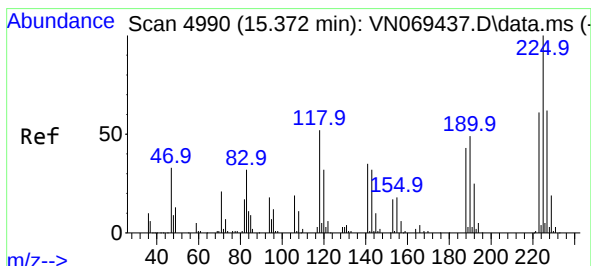
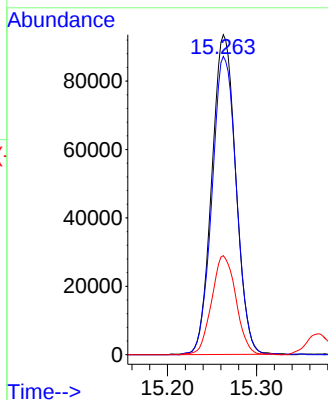
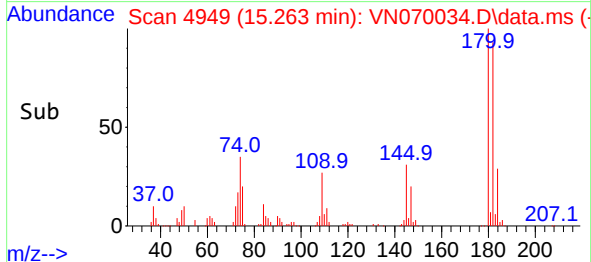
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01



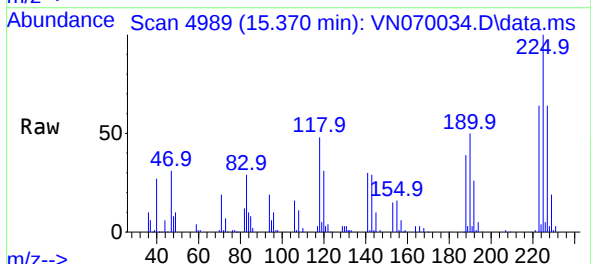
Tgt Ion:180 Resp: 174812
Ion Ratio Lower Upper
180 100
182 94.8 77.7 116.5
145 31.4 26.6 39.8

Manual Integrations
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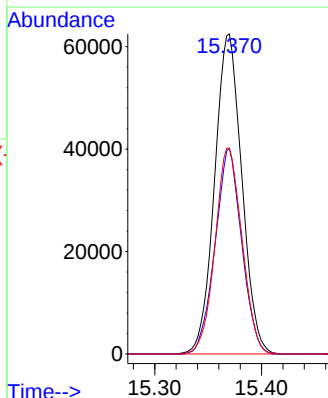
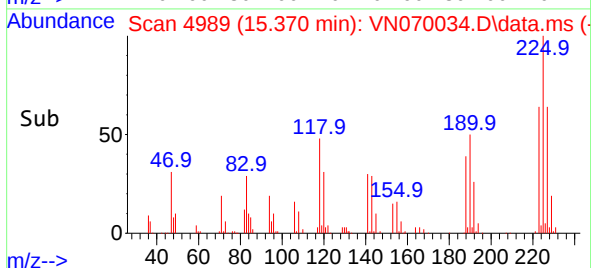
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

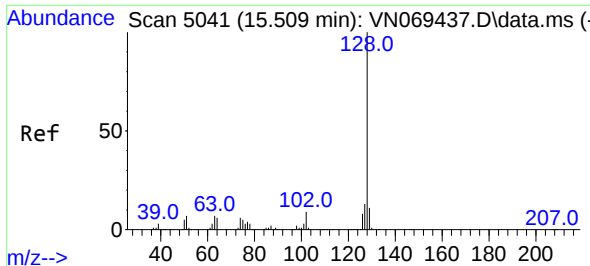


#90
Hexachlorobutadiene
Concen: 20.896 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04



Tgt Ion:225 Resp: 110653
Ion Ratio Lower Upper
225 100
223 62.6 0.0 126.8
227 63.8 0.0 123.0





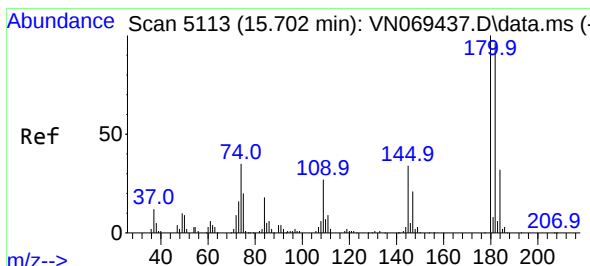
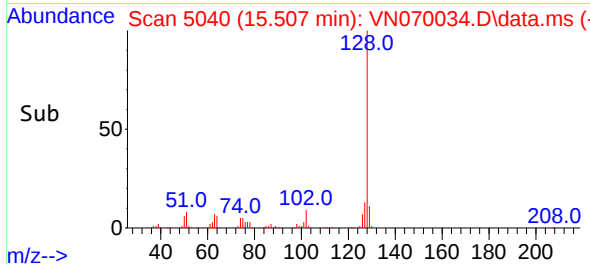
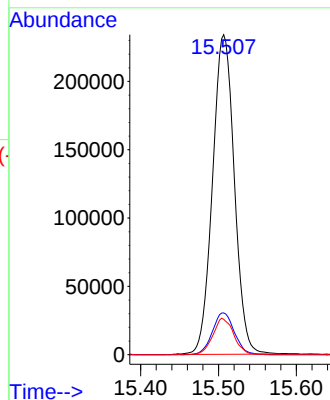
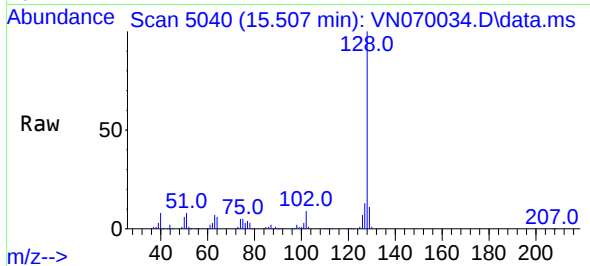
#91
Naphthalene
Concen: 21.857 ug/l
RT: 15.507 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Tgt Ion:128 Resp: 454758
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.0 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#92
1,2,3-Trichlorobenzene
Concen: 20.443 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. 0.000 min
Lab File: VN070034.D
Acq: 13 Dec 2021 16:04

Tgt Ion:180 Resp: 171849
Ion Ratio Lower Upper
180 100
182 95.8 0.0 190.0
145 33.2 0.0 67.8

