

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070108.D
 Acq On : 15 Dec 2021 13:35
 Operator : JC/MD
 Sample : VN1215WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215WBS01

Quant Time: Dec 16 05:38:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/16/2021
 Supervised By : Amit Patel 12/16/2021

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	960129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1532092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1394806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	591307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	781307	52.704	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.400%			
35) Dibromofluoromethane	8.021	113	529850	55.212	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.420%			
50) Toluene-d8	10.440	98	2079034	53.953	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.900%			
62) 4-Bromofluorobenzene	12.731	95	736629	52.767	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	186612	16.664	ug/l	100
3) Chloromethane	2.303	50	231476	16.499	ug/l	100
4) Vinyl Chloride	2.448	62	211639	16.406	ug/l	98
5) Bromomethane	2.858	94	124613	17.780	ug/l	96
6) Chloroethane	3.022	64	132646	16.780	ug/l	98
7) Trichlorofluoromethane	3.379	101	279588	16.513	ug/l	99
8) Diethyl Ether	3.824	74	121739	18.669	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.205	101	176978	18.647	ug/l	96
10) Methyl Iodide	4.422	142	217917	16.807	ug/l	99
11) Tert butyl alcohol	5.374	59	209611	74.803	ug/l	98
12) 1,1-Dichloroethene	4.178	96	159426	17.432	ug/l	89
13) Acrolein	4.039	56	167925	70.370	ug/l	96
14) Allyl chloride	4.840	41	367814	17.848	ug/l	92
15) Acrylonitrile	5.557	53	634731	84.061	ug/l	99
16) Acetone	4.285	43	782251	87.720	ug/l	97
17) Carbon Disulfide	4.529	76	348250	14.739	ug/l	99
18) Methyl Acetate	4.857	43	454699	16.893	ug/l	91
19) Methyl tert-butyl Ether	5.616	73	648402	18.234	ug/l	96
20) Methylene Chloride	5.095	84	205276	17.316	ug/l #	84
21) trans-1,2-Dichloroethene	5.597	96	171089	17.223	ug/l	86
22) Diisopropyl ether	6.498	45	788032	19.564	ug/l	93
23) Vinyl Acetate	6.434	43	2996166	91.429	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	388519	18.620	ug/l	98
25) 2-Butanone	7.335	43	1004366	82.893	ug/l #	89
26) 2,2-Dichloropropane	7.327	77	296799	18.295	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	212549	17.710	ug/l	84
28) Bromochloromethane	7.659	49	204323	18.831	ug/l #	77
29) Tetrahydrofuran	7.686	42	618171	84.021	ug/l #	86
30) Chloroform	7.815	83	387983	18.411	ug/l	99
31) Cyclohexane	8.094	56	372042	18.034	ug/l	89
32) 1,1,1-Trichloroethane	8.016	97	317385	17.682	ug/l	96
36) 1,1-Dichloropropene	8.220	75	274722	18.836	ug/l	96
37) Ethyl Acetate	7.412	43	370759	17.079	ug/l	95
38) Carbon Tetrachloride	8.206	117	249793	17.465	ug/l	99
39) Methylcyclohexane	9.459	83	321983	18.560	ug/l	88
40) Benzene	8.458	78	850998	19.089	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	195204	19.156	ug/l #	86
42) 1,2-Dichloroethane	8.531	62	336029	18.672	ug/l	97
43) Isopropyl Acetate	8.560	43	578185	17.998	ug/l #	93
44) Trichloroethene	9.215	130	198048	18.613	ug/l	94
45) 1,2-Dichloropropane	9.488	63	232605	19.430	ug/l	100
46) Dibromomethane	9.577	93	141742	18.053	ug/l	93
47) Bromodichloromethane	9.762	83	276794	18.620	ug/l	99
48) Methyl methacrylate	9.561	41	264388	17.636	ug/l	88
49) 1,4-Dioxane	9.569	88	86605	321.957	ug/l #	82
51) 4-Methyl-2-Pentanone	10.330	43	1885855	90.493	ug/l	95
52) Toluene	10.505	92	511892	18.808	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	283085	17.740	ug/l	97
54) cis-1,3-Dichloropropene	10.188	75	320224	18.380	ug/l #	90
55) 1,1,2-Trichloroethane	10.896	97	202254	18.417	ug/l	96
56) Ethyl methacrylate	10.760	69	335116	17.715	ug/l #	88
57) 1,3-Dichloropropane	11.044	76	365844	18.920	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	408699	86.056	ug/l	91
59) 2-Hexanone	11.084	43	1364016	86.523	ug/l	93
60) Dibromochloromethane	11.237	129	184109	17.280	ug/l	99
61) 1,2-Dibromoethane	11.344	107	201793	17.741	ug/l	98
64) Tetrachloroethene	10.977	164	177414	18.759	ug/l	94
65) Chlorobenzene	11.771	112	528749	18.686	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	186609	18.737	ug/l	99
67) Ethyl Benzene	11.843	91	995077	19.360	ug/l	95
68) m/p-Xylenes	11.953	106	724561	38.715	ug/l	90
69) o-Xylene	12.280	106	359207	19.055	ug/l	90
70) Styrene	12.294	104	571168	19.108	ug/l	95
71) Bromoform	12.457	173	125464	16.655	ug/l #	100
73) Isopropylbenzene	12.578	105	942848	17.922	ug/l	99
74) N-amyl acetate	12.388	43	387830	16.669	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	315333	17.333	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	295710m	17.438	ug/l	
77) Bromobenzene	12.860	156	216507	17.521	ug/l	77
78) n-propylbenzene	12.921	91	1081811	18.479	ug/l	96
79) 2-Chlorotoluene	13.007	91	673108	18.196	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	774844	18.299	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	69799	16.438	ug/l	85
82) 4-Chlorotoluene	13.104	91	647450	18.611	ug/l	92
83) tert-Butylbenzene	13.324	119	667710	17.808	ug/l	92
84) 1,2,4-Trimethylbenzene	13.366	105	752802	18.667	ug/l	97
85) sec-Butylbenzene	13.501	105	943183	18.545	ug/l	97
86) p-Isopropyltoluene	13.616	119	739946	18.613	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	376269	18.534	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	362174	18.154	ug/l	96
89) n-Butylbenzene	13.943	91	589095	18.268	ug/l	97
90) Hexachloroethane	14.209	117	109333	15.665	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	368480	18.629	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	51455	15.652	ug/l	75
93) 1,2,4-Trichlorobenzene	15.263	180	157855	18.213	ug/l	97
94) Hexachlorobutadiene	15.370	225	105820	20.186	ug/l	98
95) Naphthalene	15.507	128	391678	16.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	152766	17.806	ug/l	96

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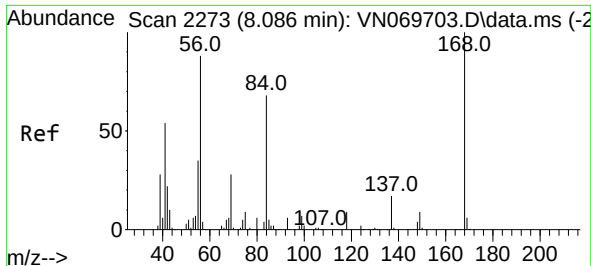
Manual Integrations
APPROVED

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Supervised By :Amit Patel 12/16/2021

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Quant Title : SW846 8260
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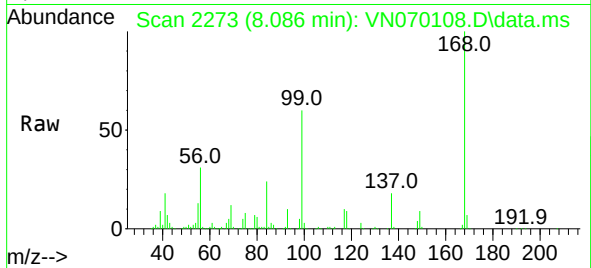
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN070108.D
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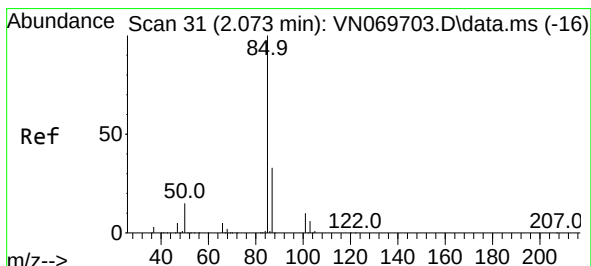
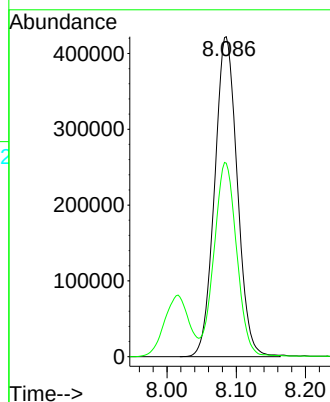
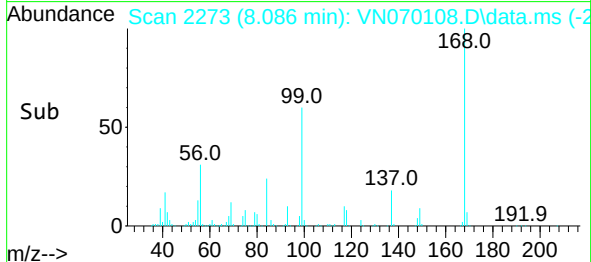
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



Tgt Ion:168 Resp: 960129
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9

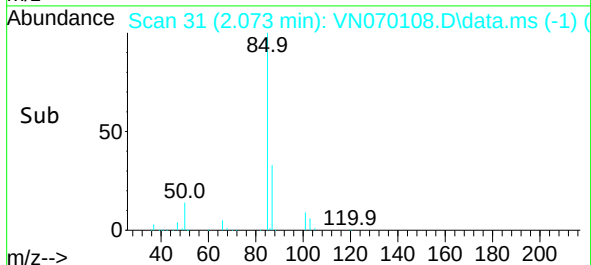
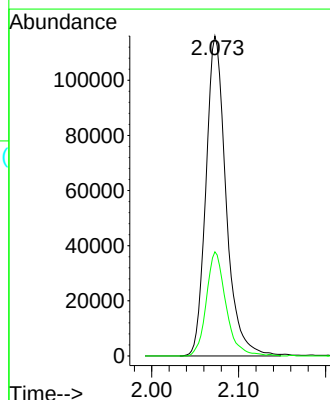
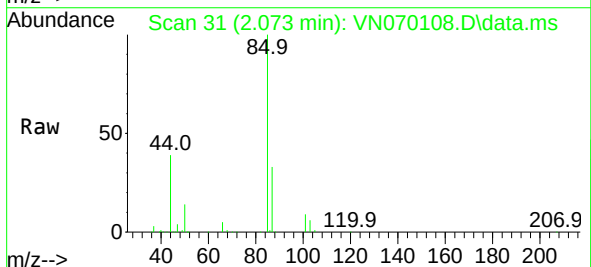
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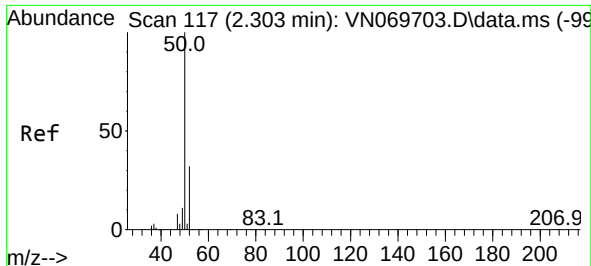
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#2
Dichlorodifluoromethane
Concen: 16.664 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

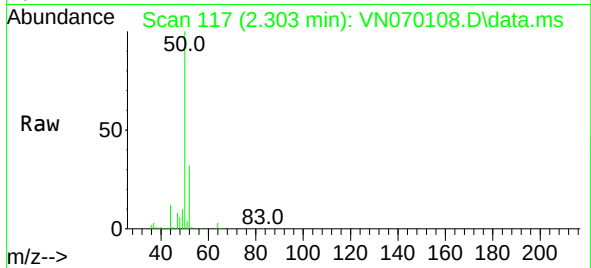
Tgt Ion: 85 Resp: 186612
Ion Ratio Lower Upper
85 100
87 32.5 16.3 48.9





#3
Chloromethane
Concen: 16.499 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

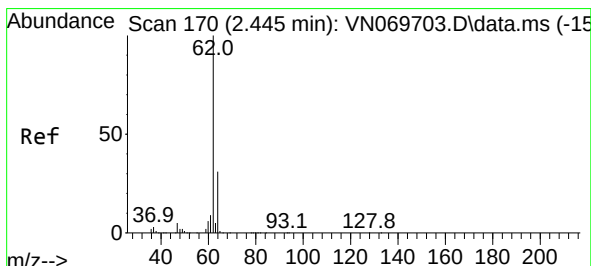
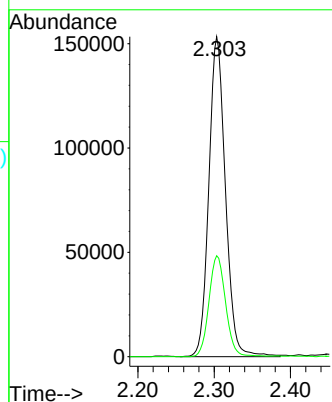
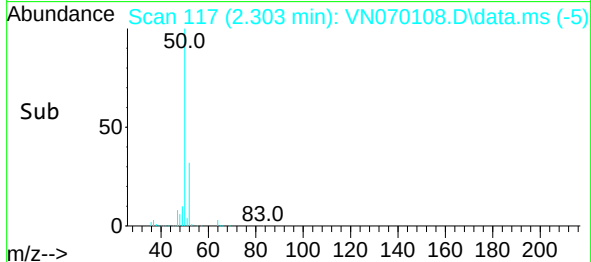
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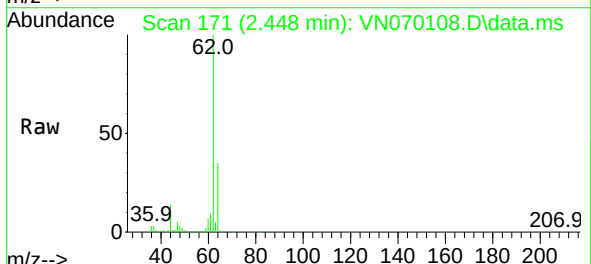
Tgt Ion: 50 Resp: 231470
Ion Ratio Lower Upper
50 100
52 31.6 25.4 38.0

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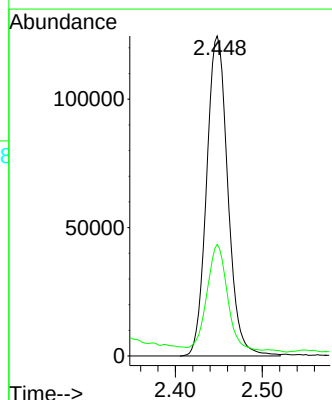
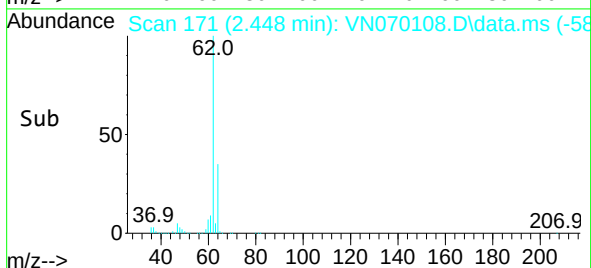
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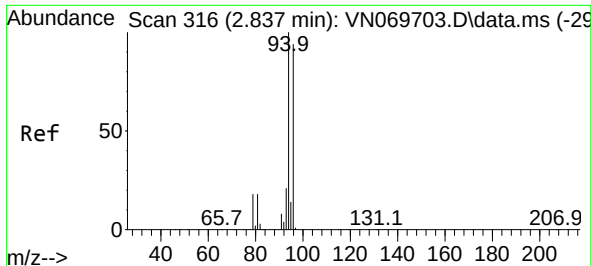


#4
Vinyl Chloride
Concen: 16.406 ug/l
RT: 2.448 min Scan# 171
Delta R.T. 0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35



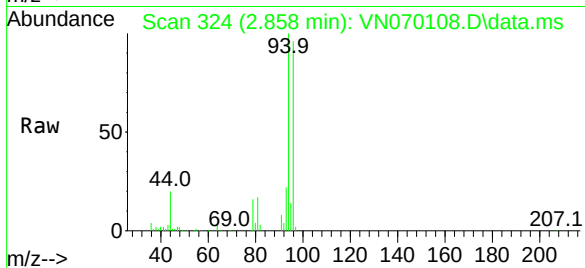
Tgt Ion: 62 Resp: 211639
Ion Ratio Lower Upper
62 100
64 33.2 25.8 38.6





#5
Bromomethane
Concen: 17.780 ug/l
RT: 2.858 min Scan# 316
Delta R.T. 0.022 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

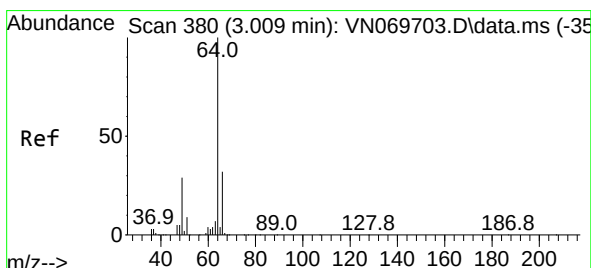
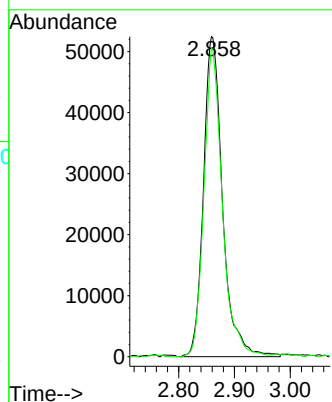
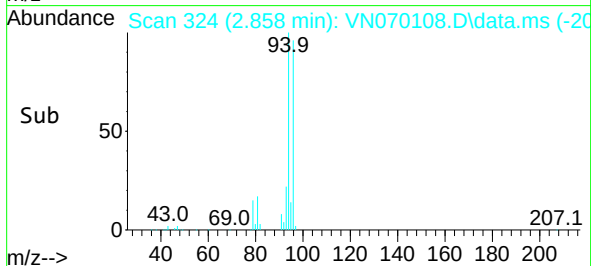
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Tgt Ion: 94 Resp: 12461
Ion Ratio Lower Upper
94 100
96 96.5 73.8 110.8

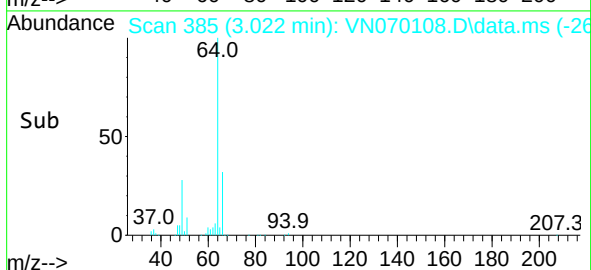
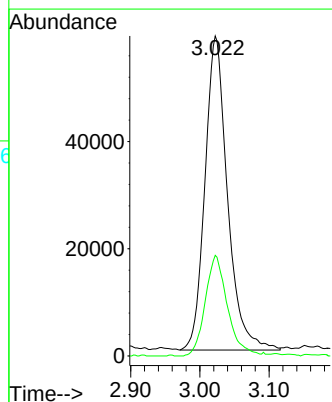
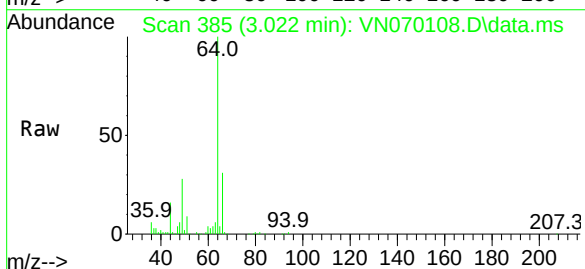
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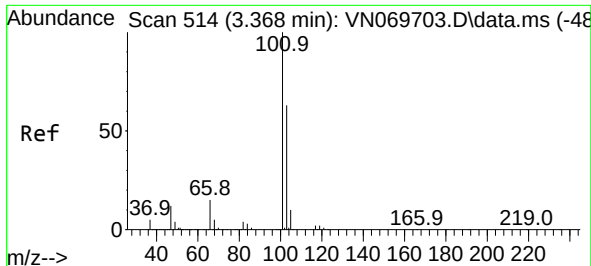
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#6
Chloroethane
Concen: 16.780 ug/l
RT: 3.022 min Scan# 385
Delta R.T. 0.014 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

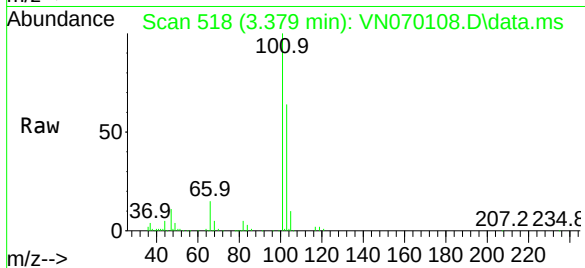
Tgt Ion: 64 Resp: 132646
Ion Ratio Lower Upper
64 100
66 32.0 26.3 39.5





#7
Trichlorofluoromethane
Concen: 16.513 ug/l
RT: 3.379 min Scan# 514
Delta R.T. 0.011 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

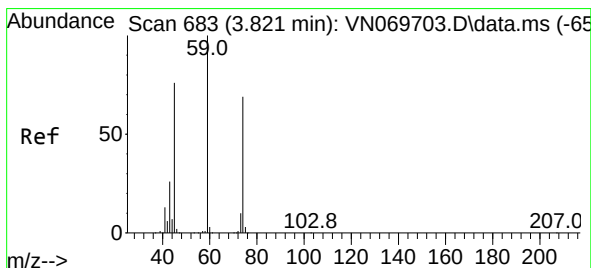
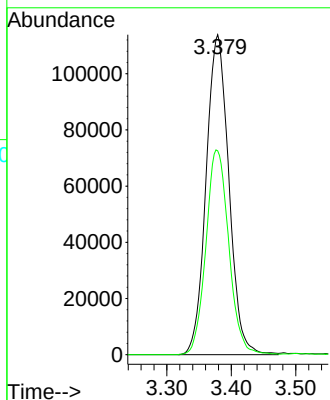
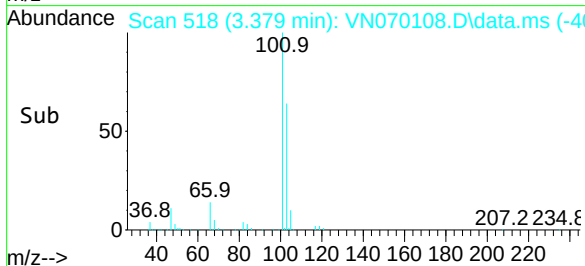
Instrument :
MSVOA_N
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VN1215WBS01



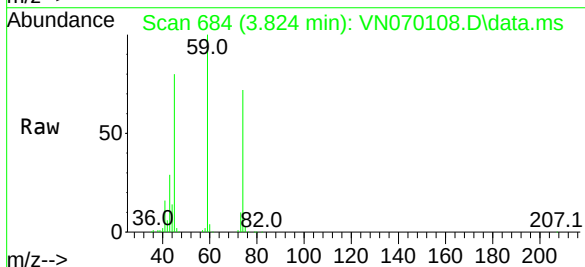
Tgt Ion:101 Resp: 279588
Ion Ratio Lower Upper
101 100
103 63.7 50.1 75.1

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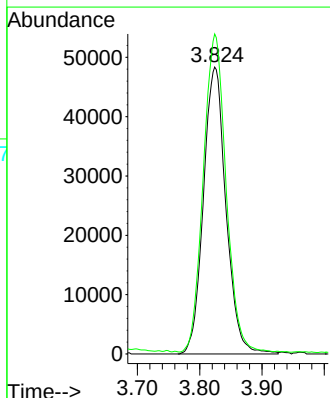
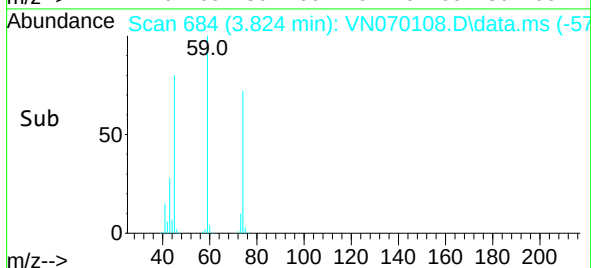
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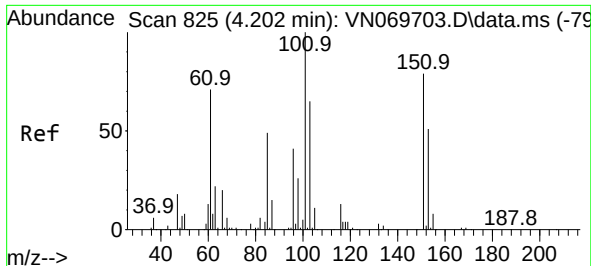


#8
Diethyl Ether
Concen: 18.669 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.003 min
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Tgt Ion: 74 Resp: 121739
Ion Ratio Lower Upper
74 100
45 111.6 47.0 141.2





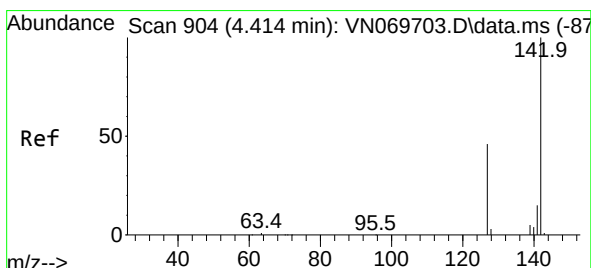
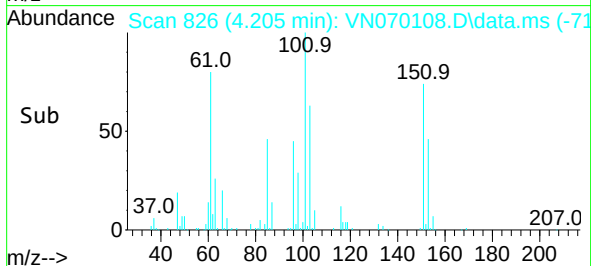
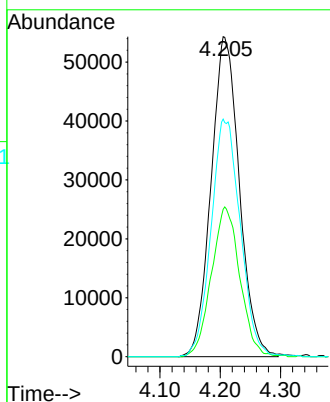
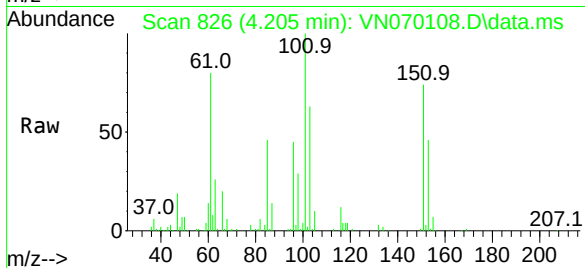
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.647 ug/l
RT: 4.205 min Scan# 81
Delta R.T. 0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01

Tgt Ion:101 Resp: 176978
Ion Ratio Lower Upper
101 100
85 46.9 37.2 55.8
151 76.6 65.9 98.9

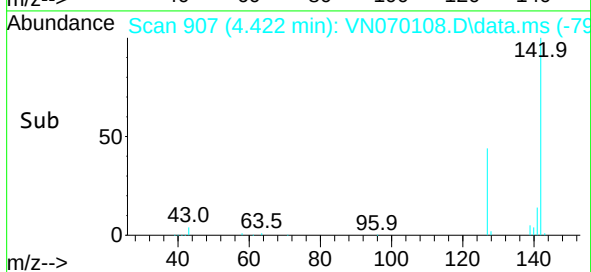
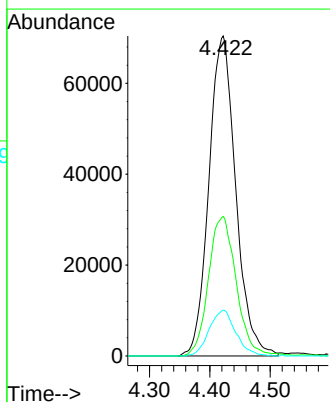
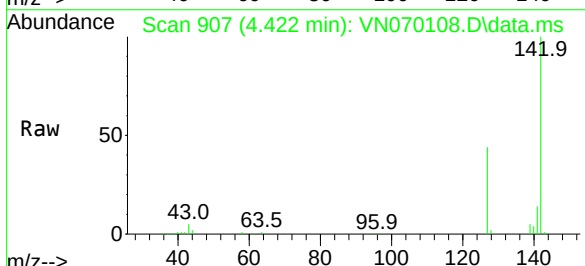
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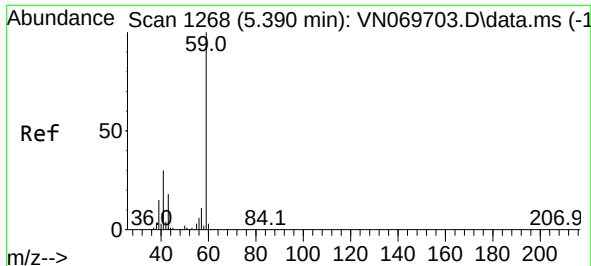
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#10
Methyl Iodide
Concen: 16.807 ug/l
RT: 4.422 min Scan# 907
Delta R.T. 0.008 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

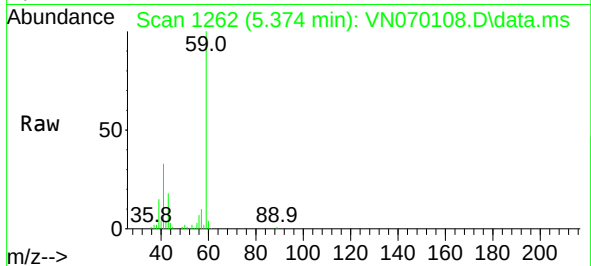
Tgt Ion:142 Resp: 217917
Ion Ratio Lower Upper
142 100
127 45.1 35.4 53.0
141 14.2 11.6 17.4





#11
Tert butyl alcohol
Concen: 74.803 ug/l
RT: 5.374 min Scan# 11
Delta R.T. -0.016 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

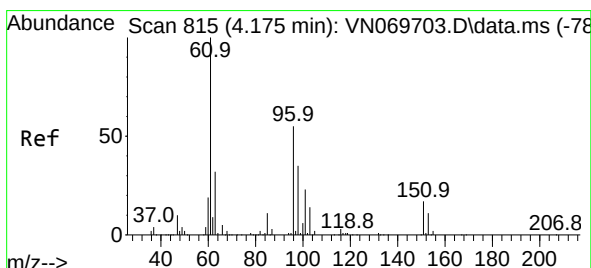
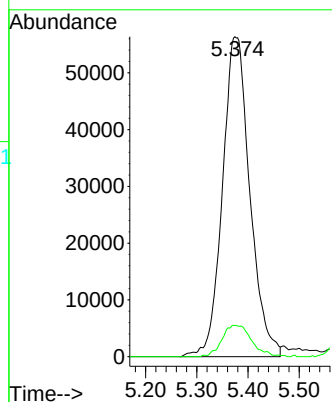
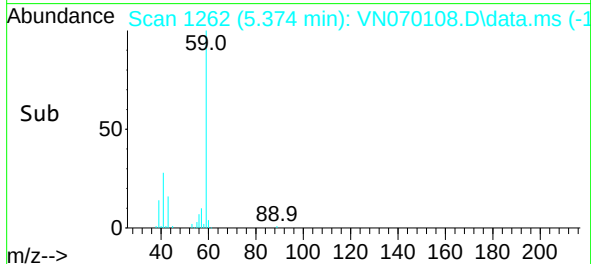
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



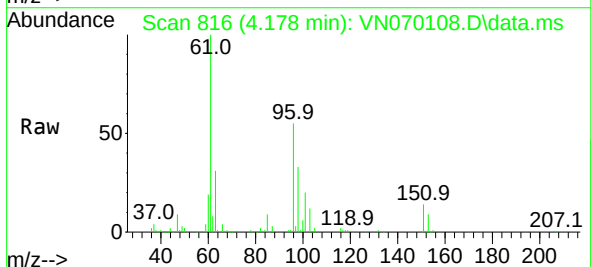
Tgt Ion: 59 Resp: 20961
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1

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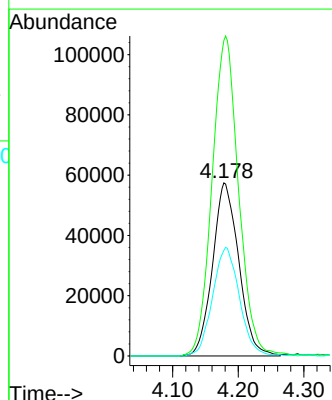
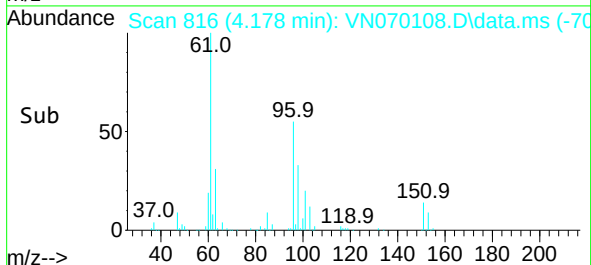
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

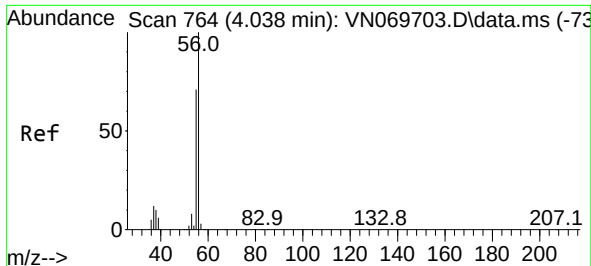


#12
1,1-Dichloroethene
Concen: 17.432 ug/l
RT: 4.178 min Scan# 816
Delta R.T. 0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35



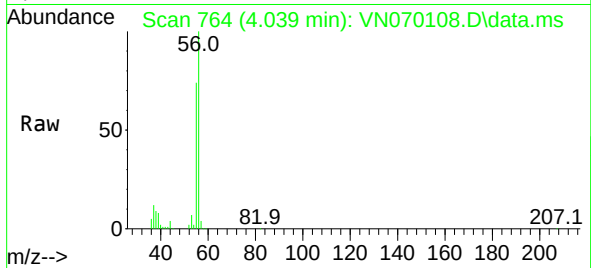
Tgt Ion: 96 Resp: 159426
Ion Ratio Lower Upper
96 100
61 182.1 131.0 196.6
98 60.9 52.4 78.6





#13
Acrolein
Concen: 70.370 ug/l
RT: 4.039 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

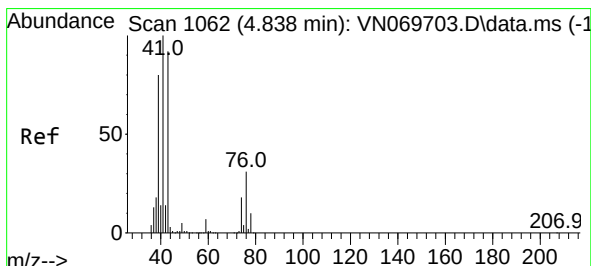
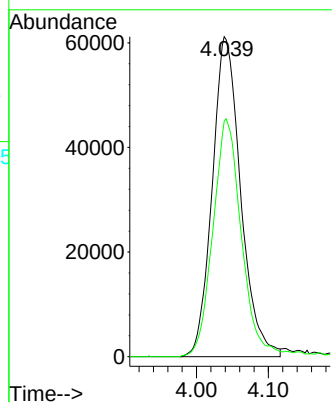
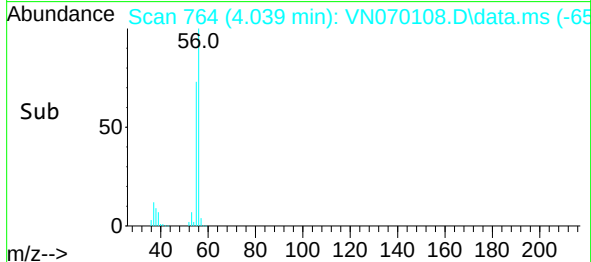
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



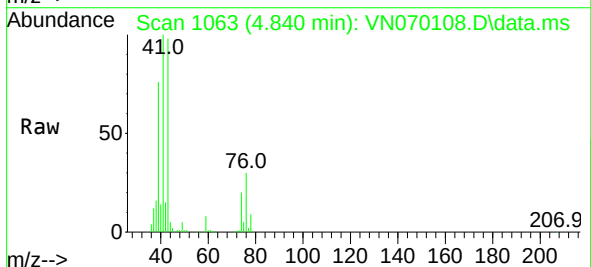
Tgt Ion: 56 Resp: 167925
Ion Ratio Lower Upper
56 100
55 73.8 56.6 85.0

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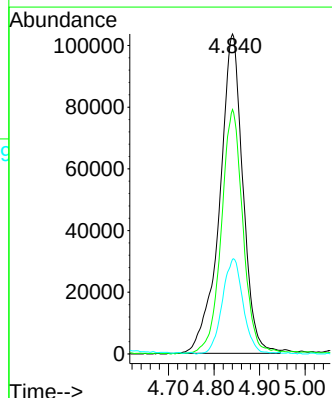
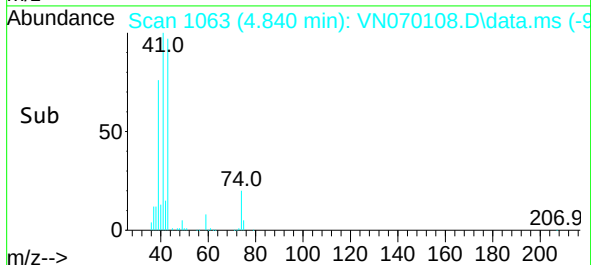
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

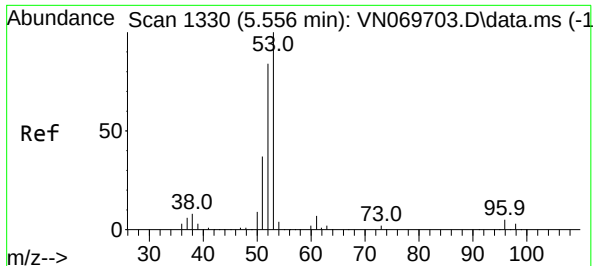


#14
Allyl chloride
Concen: 17.848 ug/l
RT: 4.840 min Scan# 1063
Delta R.T. 0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35



Tgt Ion: 41 Resp: 367814
Ion Ratio Lower Upper
41 100
39 70.2 61.2 91.8
76 26.7 26.0 39.0





#15

Acrylonitrile

Concen: 84.061 ug/l

RT: 5.557 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Instrument :

MSVOA_N

ClientSampleId :

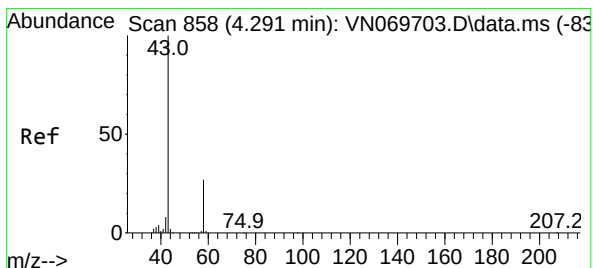
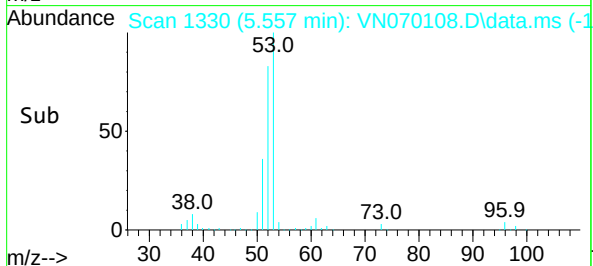
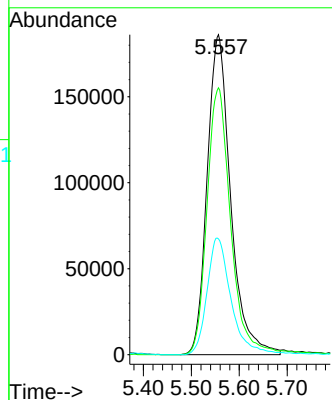
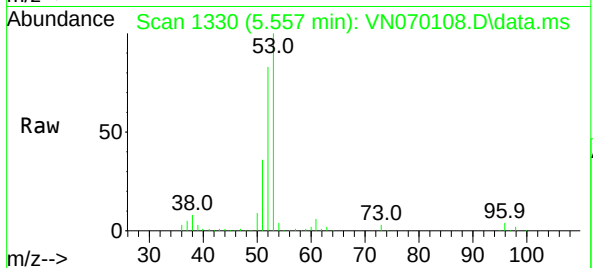
VN1215WBS01

Tgt Ion:	53	Resp:	63473
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	37.4	29.6	44.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#16

Acetone

Concen: 87.720 ug/l

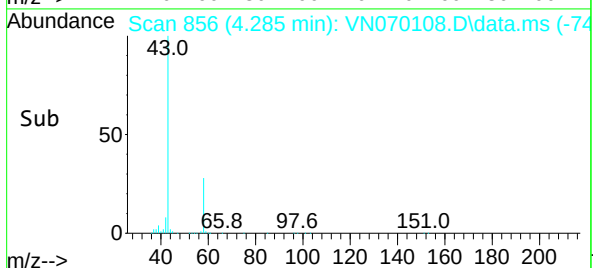
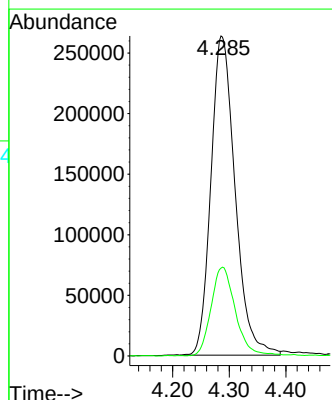
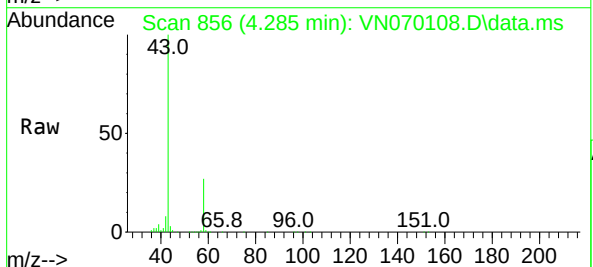
RT: 4.285 min Scan# 856

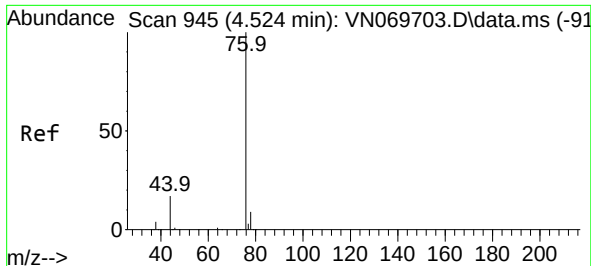
Delta R.T. -0.005 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

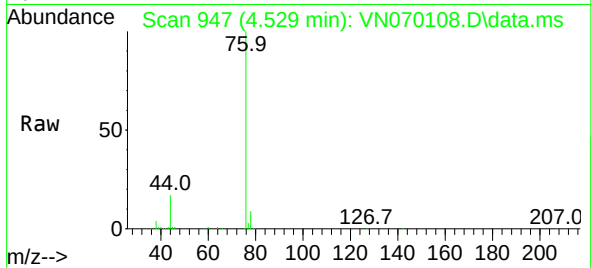
Tgt Ion:	43	Resp:	782251
Ion	Ratio	Lower	Upper
43	100		
58	27.4	23.1	34.7





#17
Carbon Disulfide
Concen: 14.739 ug/l
RT: 4.529 min Scan# 945
Delta R.T. 0.005 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

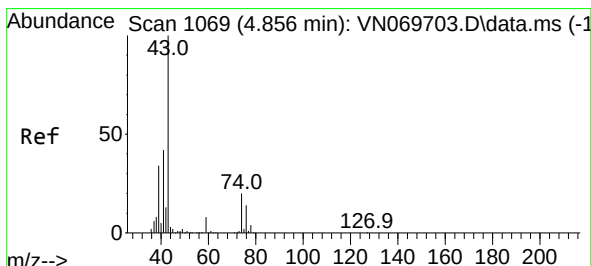
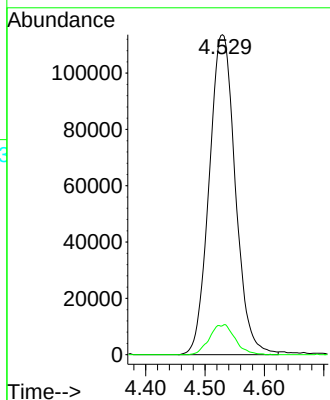
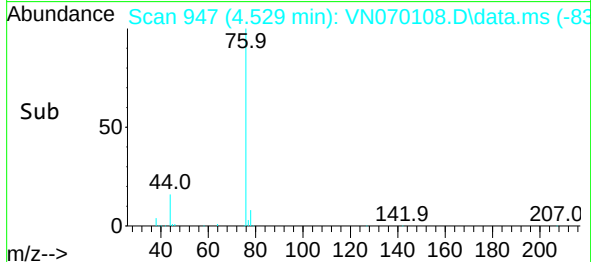
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



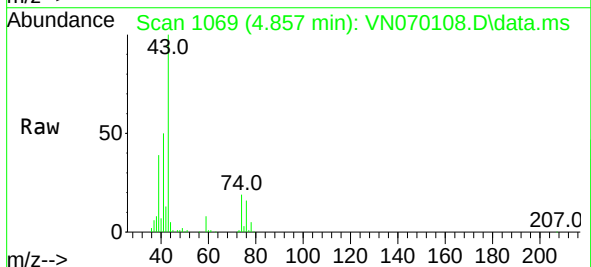
Tgt Ion: 76 Resp: 348250
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3

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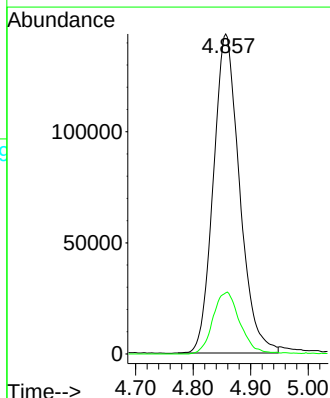
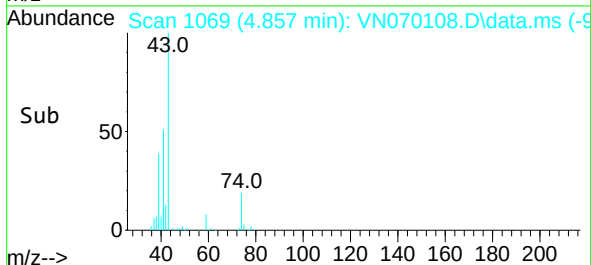
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

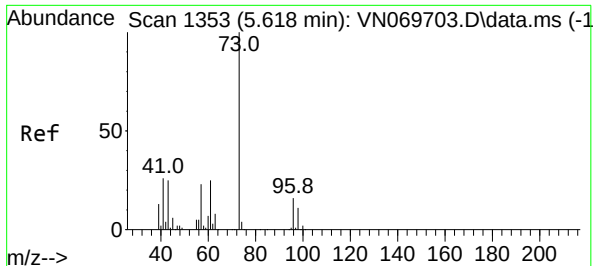


#18
Methyl Acetate
Concen: 16.893 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35



Tgt Ion: 43 Resp: 454699
Ion Ratio Lower Upper
43 100
74 19.9 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 18.234 ug/l

RT: 5.616 min Scan# 1157

Delta R.T. -0.003 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBS01

Tgt Ion: 73 Resp: 64840

Ion Ratio Lower Upper

73 100

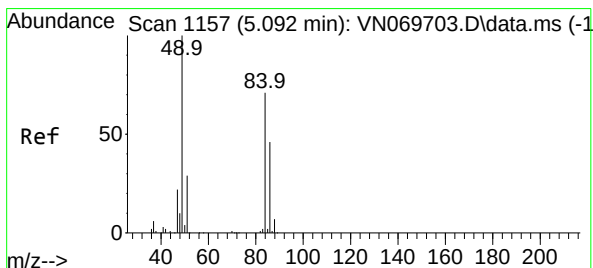
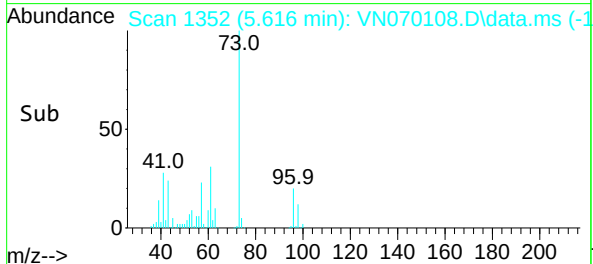
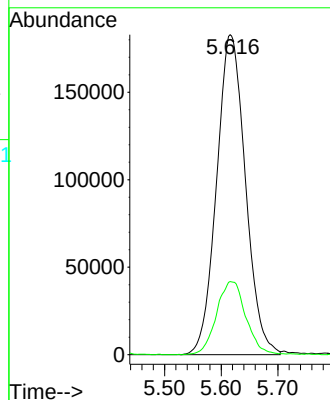
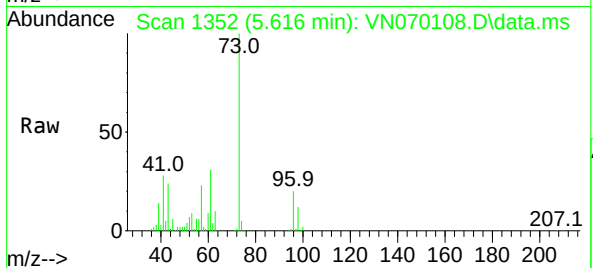
57 22.7 16.8 25.2

Manual Integrations

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Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#20

Methylene Chloride

Concen: 17.316 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.003 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Tgt Ion: 84 Resp: 205276

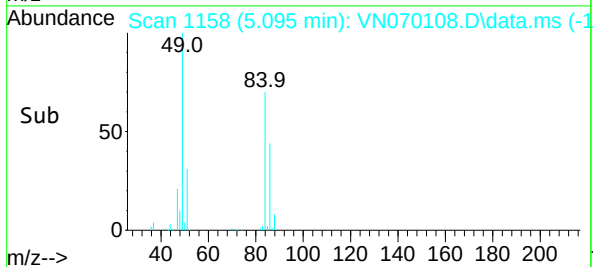
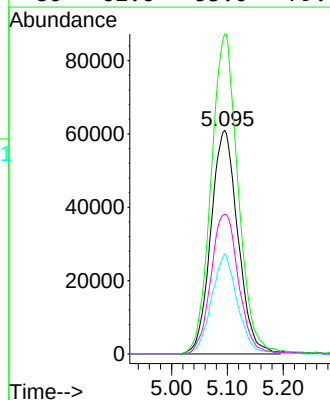
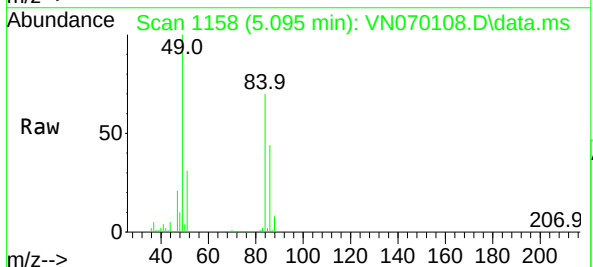
Ion Ratio Lower Upper

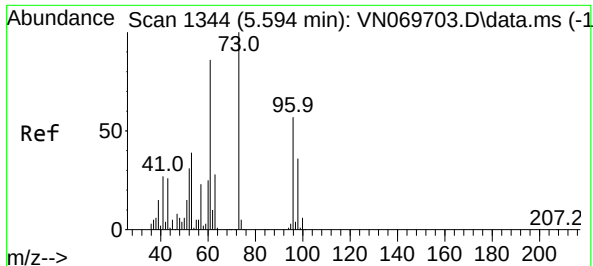
84 100

49 143.2 93.5 140.3#

51 44.8 29.4 44.2#

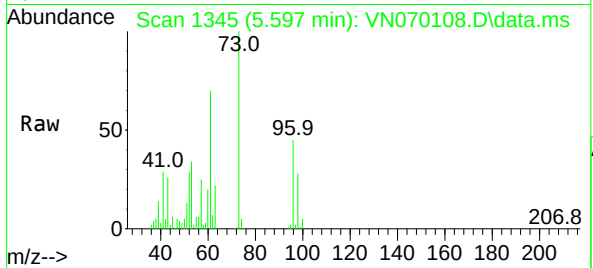
86 62.6 53.0 79.4





#21
trans-1,2-Dichloroethene
Concen: 17.223 ug/l
RT: 5.597 min Scan# 11
Delta R.T. 0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

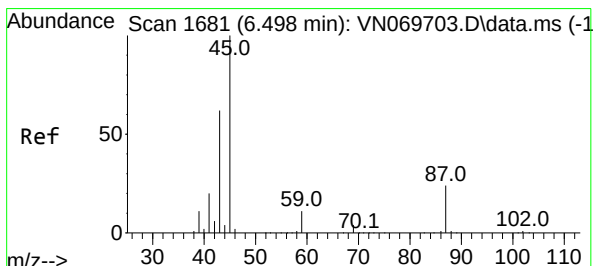
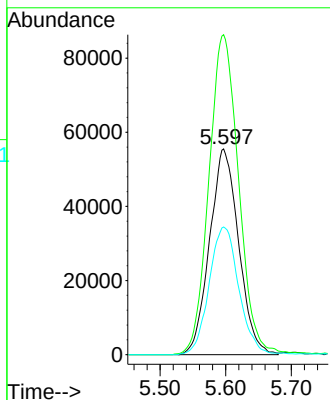
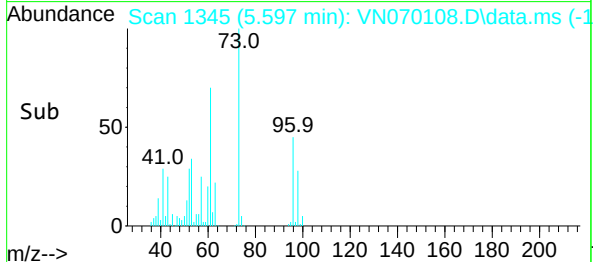
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



Tgt Ion: 96 Resp: 171089
Ion Ratio Lower Upper
96 100
61 155.1 105.8 158.6
98 62.0 52.0 78.0

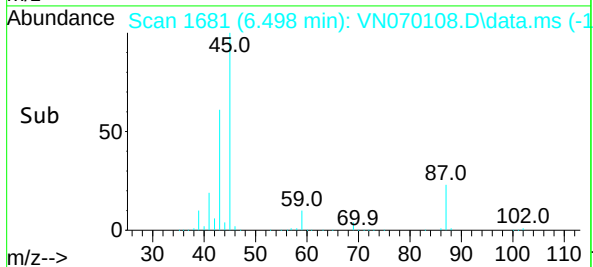
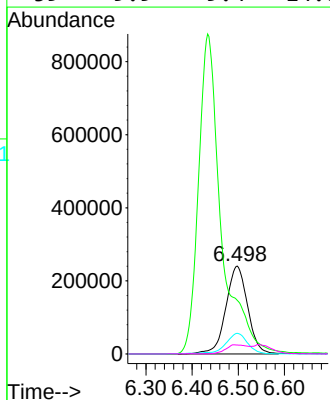
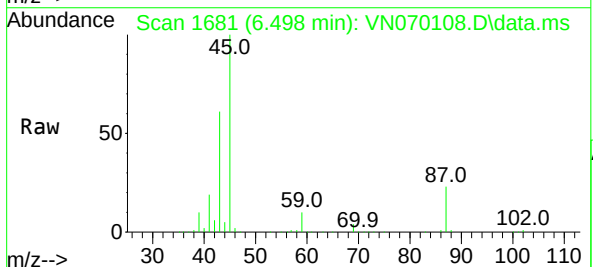
Manual Integrations
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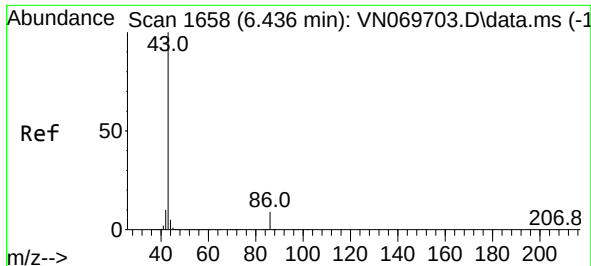
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#22
Diisopropyl ether
Concen: 19.564 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

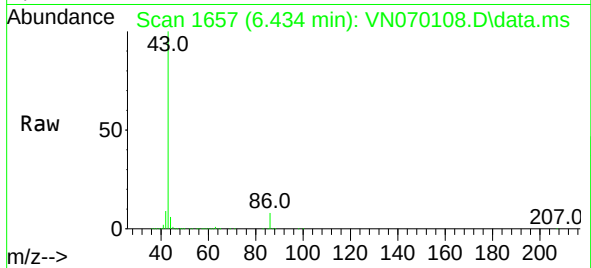
Tgt Ion: 45 Resp: 788032
Ion Ratio Lower Upper
45 100
43 60.3 51.7 77.5
87 23.3 23.2 34.8
59 9.9 9.4 14.0





#23
 Vinyl Acetate
 Concen: 91.429 ug/l
 RT: 6.434 min Scan# 1657
 Delta R.T. -0.003 min
 Lab File: VN070108.D
 Acq: 15 Dec 2021 13:35

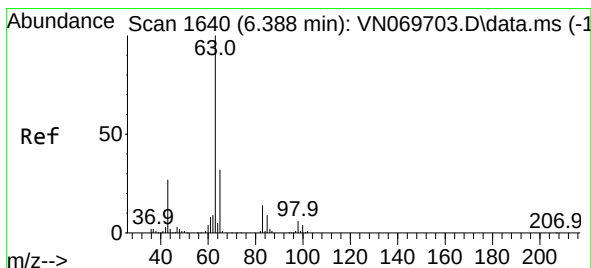
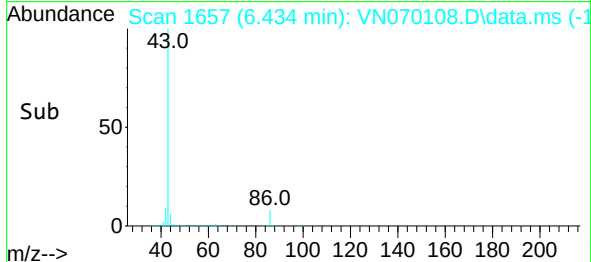
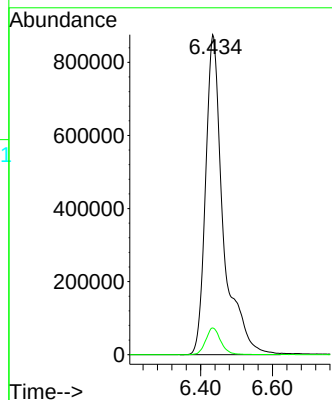
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215WBS01



Tgt Ion: 43 Resp: 299616
 Ion Ratio Lower Upper
 43 100
 86 8.3 8.5 12.7

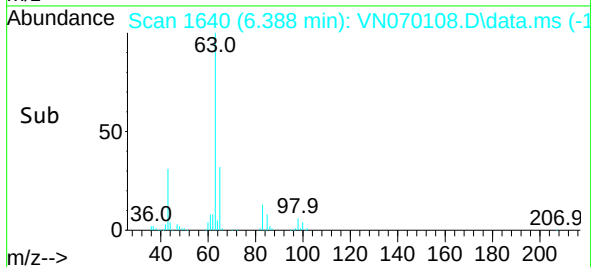
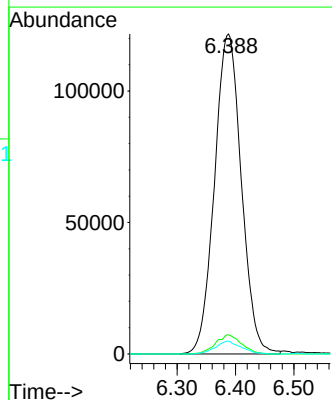
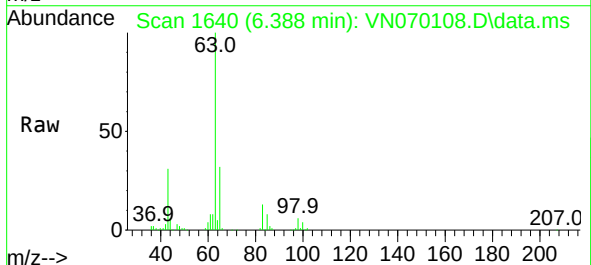
Manual Integrations
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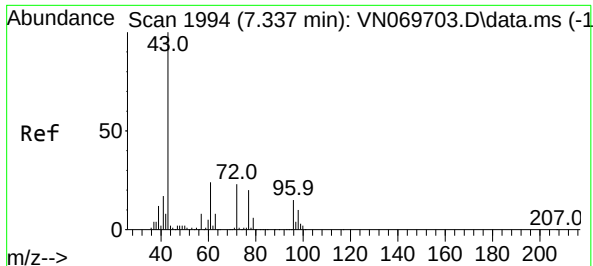
Reviewed By :John Carlone 12/16/2021
 Supervised By :Amit Patel 12/16/2021



#24
 1,1-Dichloroethane
 Concen: 18.620 ug/l
 RT: 6.388 min Scan# 1640
 Delta R.T. 0.000 min
 Lab File: VN070108.D
 Acq: 15 Dec 2021 13:35

Tgt Ion: 63 Resp: 388519
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.3 9.9
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 82.893 ug/l

RT: 7.335 min Scan# 1993

Delta R.T. -0.003 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBS01

Tgt Ion: 43 Resp: 100436

Ion Ratio Lower Upper

43 100

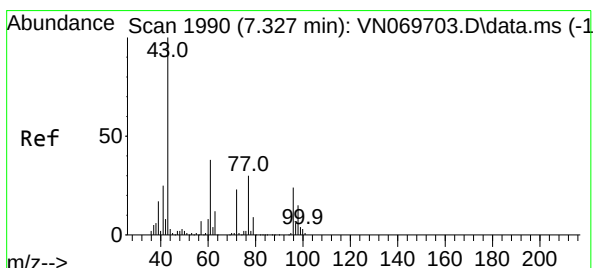
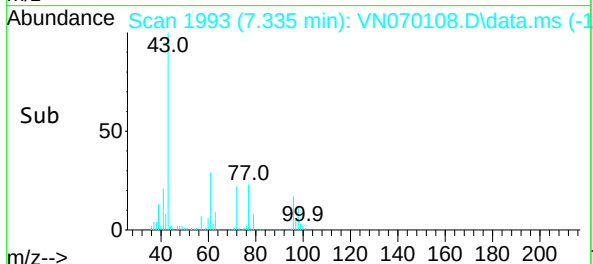
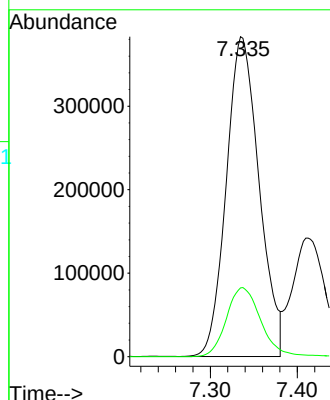
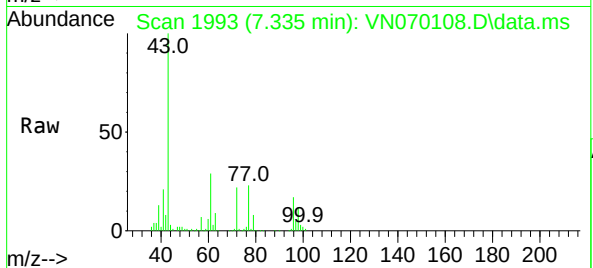
72 21.5 21.7 32.5

Manual Integrations

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Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#26

2,2-Dichloropropane

Concen: 18.295 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN070108.D

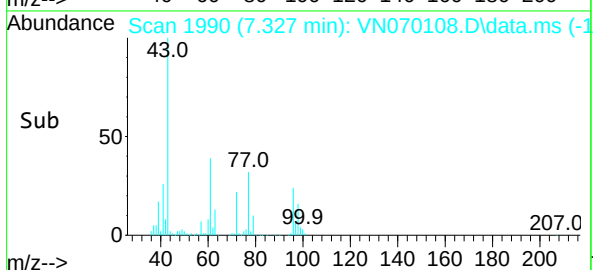
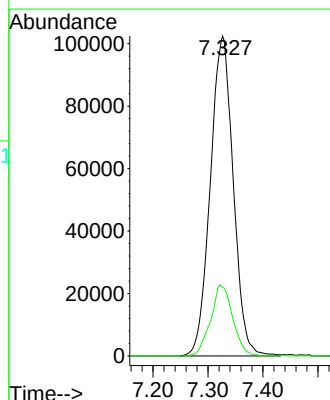
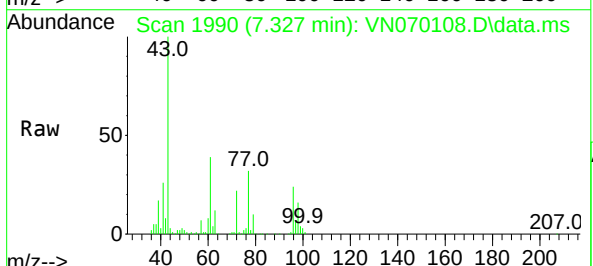
Acq: 15 Dec 2021 13:35

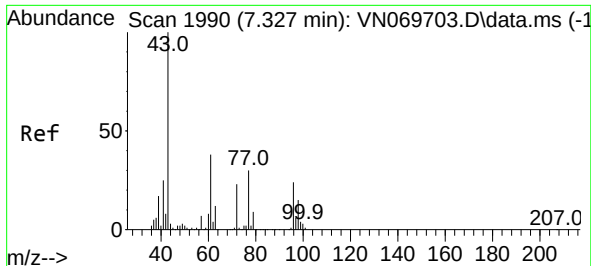
Tgt Ion: 77 Resp: 296799

Ion Ratio Lower Upper

77 100

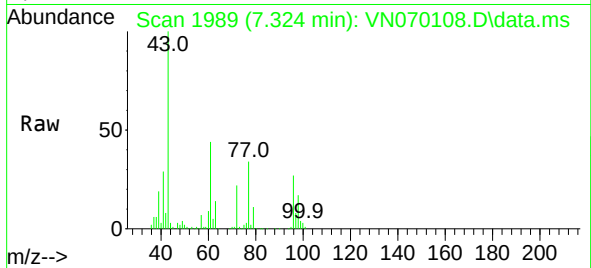
97 21.4 11.6 34.8





#27
 cis-1,2-Dichloroethene
 Concen: 17.710 ug/l
 RT: 7.324 min Scan# 1989
 Delta R.T. -0.003 min
 Lab File: VN070108.D
 Acq: 15 Dec 2021 13:35

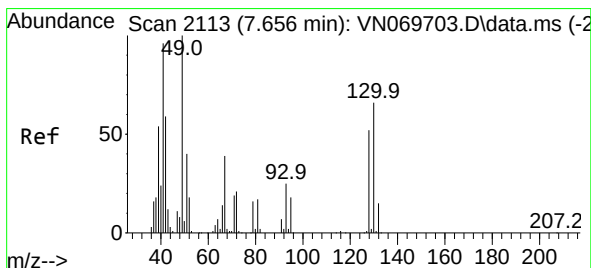
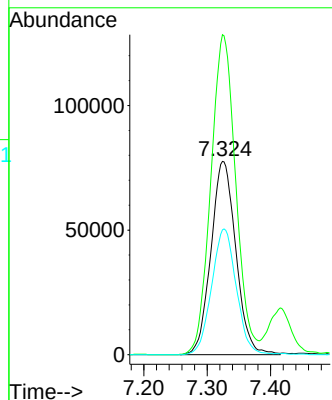
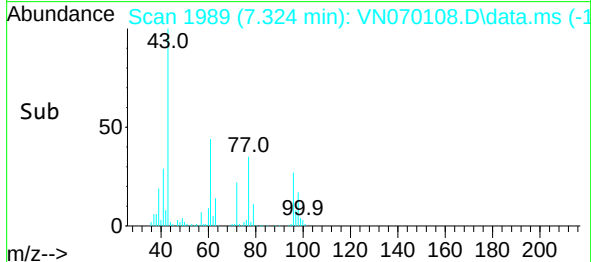
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215WBS01



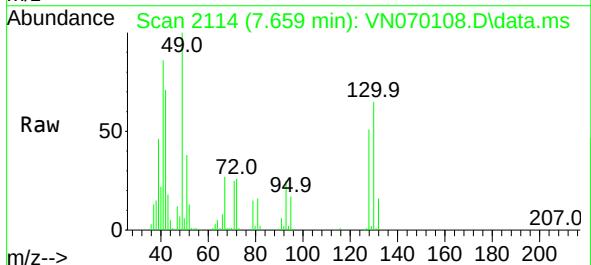
Tgt Ion: 96 Resp: 212549
 Ion Ratio Lower Upper
 96 100
 61 164.9 0.0 275.0
 98 64.3 0.0 129.6

Manual Integrations
 APPROVED

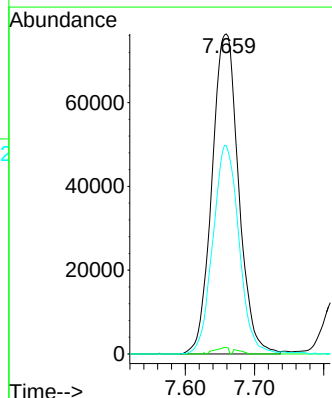
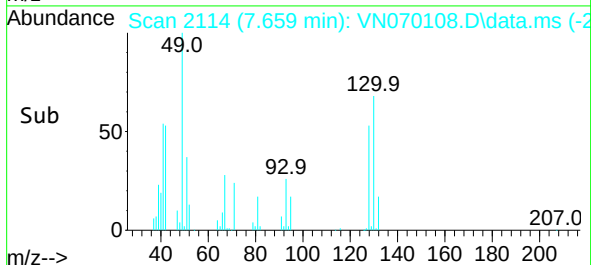
Reviewed By :John Carlone 12/16/2021
 Supervised By :Amit Patel 12/16/2021

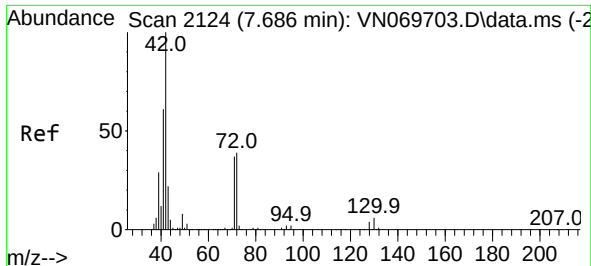


#28
 Bromochloromethane
 Concen: 18.831 ug/l
 RT: 7.659 min Scan# 2114
 Delta R.T. 0.003 min
 Lab File: VN070108.D
 Acq: 15 Dec 2021 13:35



Tgt Ion: 49 Resp: 204323
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 4.0
 130 63.6 67.8 101.8#





#29

Tetrahydrofuran

Concen: 84.021 ug/l

RT: 7.686 min Scan# 2124

Delta R.T. 0.000 min

Lab File: VN070108.D

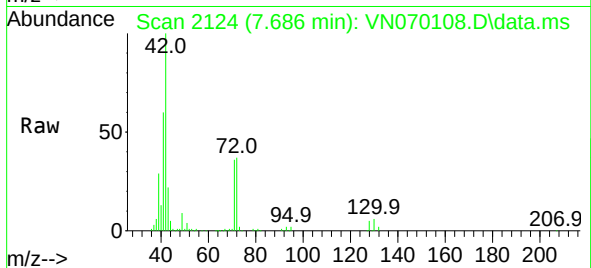
Acq: 15 Dec 2021 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBS01



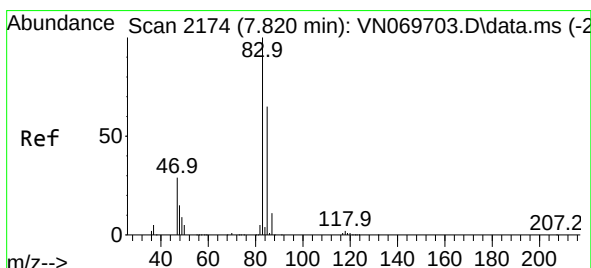
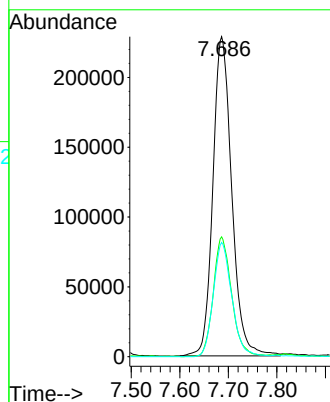
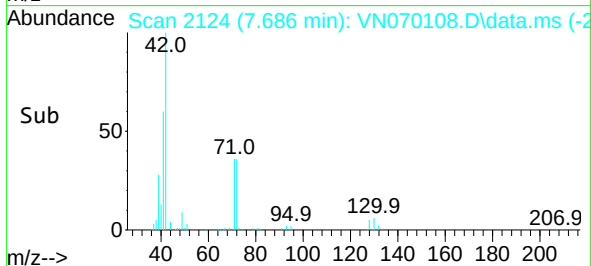
Tgt Ion:	42	Resp:	61817
Ion Ratio	Lower	Upper	
42	100		
72	36.1	36.3	54.5
71	35.2	34.7	52.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#30

Chloroform

Concen: 18.411 ug/l

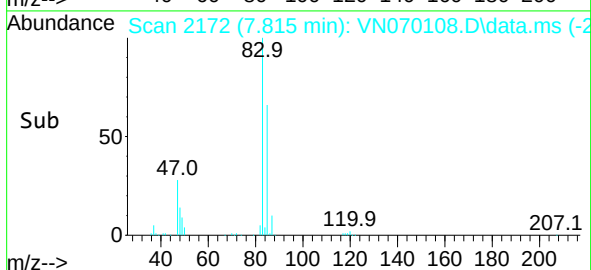
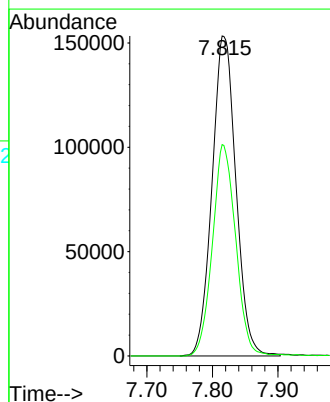
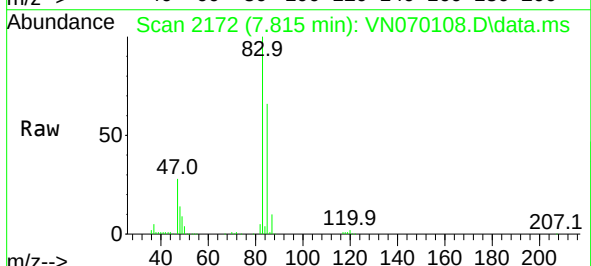
RT: 7.815 min Scan# 2172

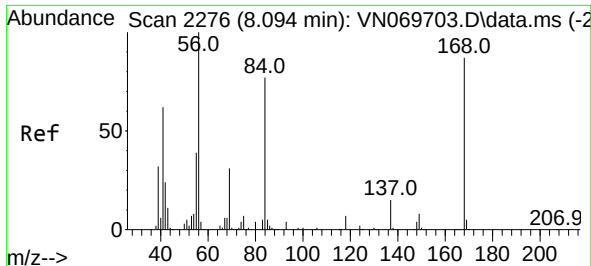
Delta R.T. -0.005 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

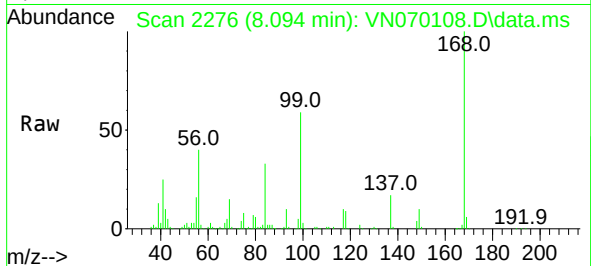
Tgt Ion:	83	Resp:	387983
Ion Ratio	Lower	Upper	
83	100		
85	66.0	51.9	77.9





#31
Cyclohexane
Concen: 18.034 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

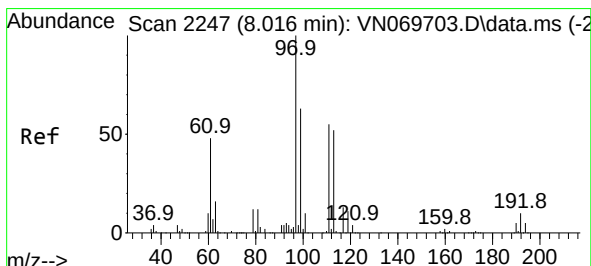
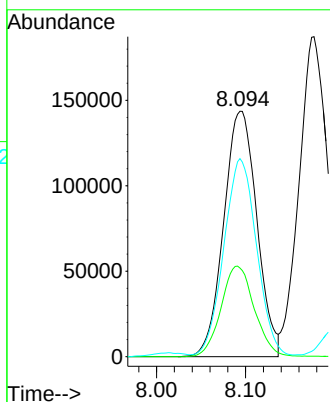
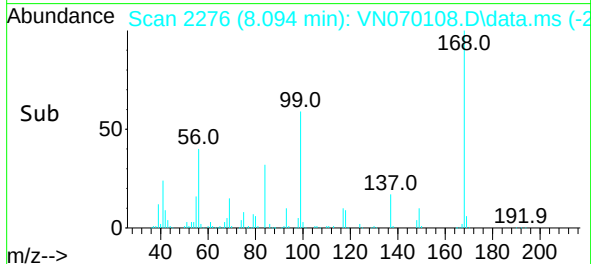
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



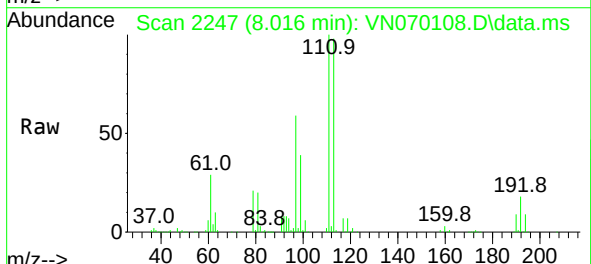
Tgt Ion: 56 Resp: 37204
Ion Ratio Lower Upper
56 100
69 36.1 27.1 40.7
84 79.3 73.4 110.0

Manual Integrations
APPROVED

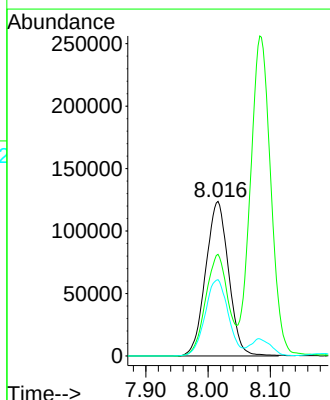
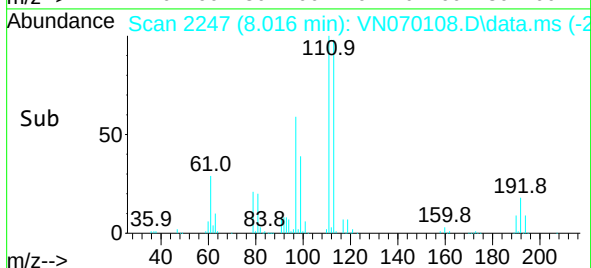
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

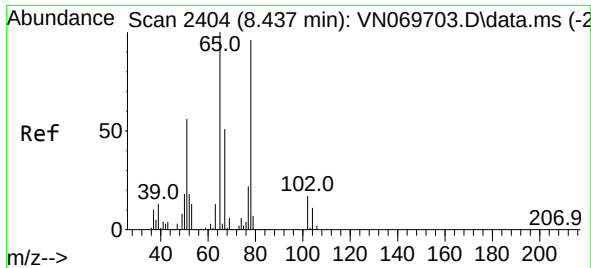


#32
1,1,1-Trichloroethane
Concen: 17.682 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35



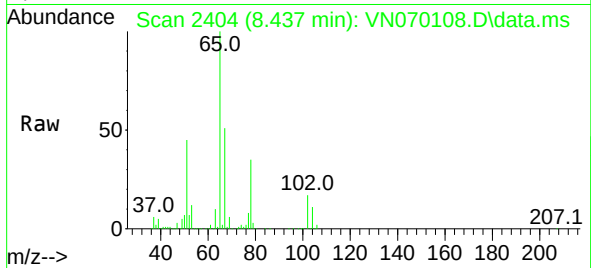
Tgt Ion: 97 Resp: 317385
Ion Ratio Lower Upper
97 100
99 63.6 50.1 75.1
61 49.8 35.2 52.8





#33
 1,2-Dichloroethane-d4
 Concen: 52.704 ug/l
 RT: 8.437 min Scan# 2404
 Delta R.T. 0.000 min
 Lab File: VN070108.D
 Acq: 15 Dec 2021 13:35

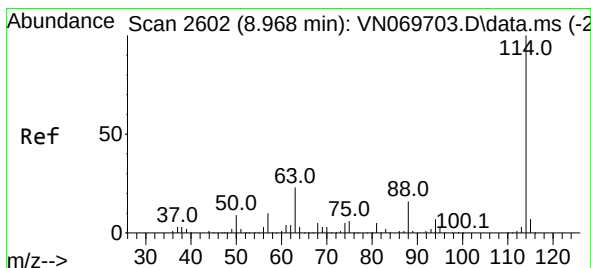
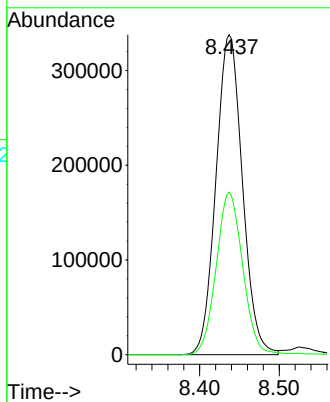
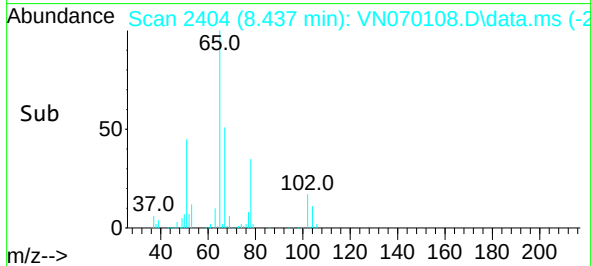
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215WBS01



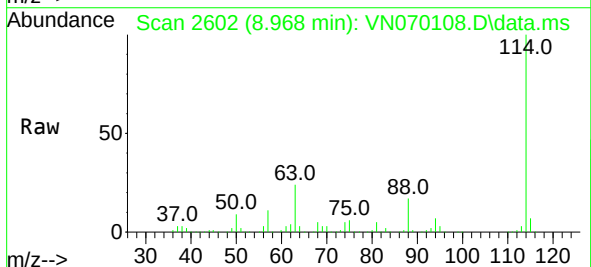
Tgt Ion: 65 Resp: 781307
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.0

Manual Integrations
 APPROVED

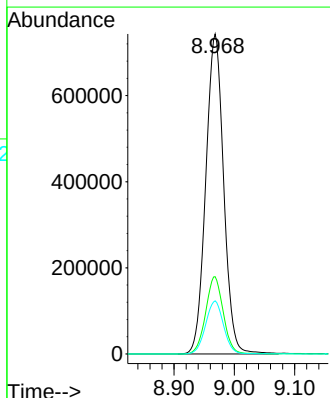
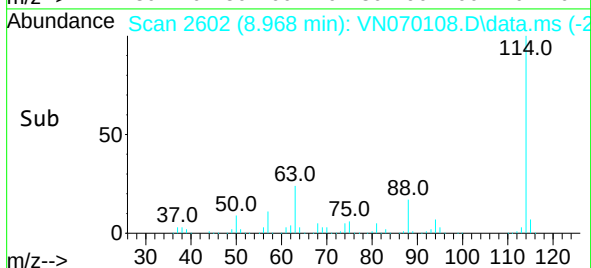
Reviewed By :John Carlone 12/16/2021
 Supervised By :Amit Patel 12/16/2021

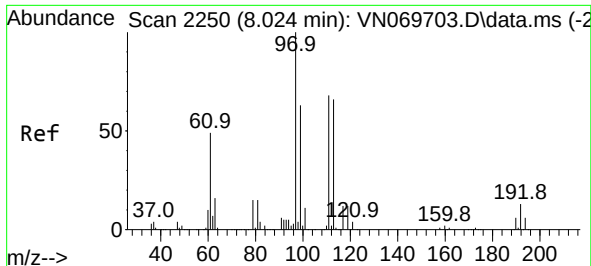


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN070108.D
 Acq: 15 Dec 2021 13:35



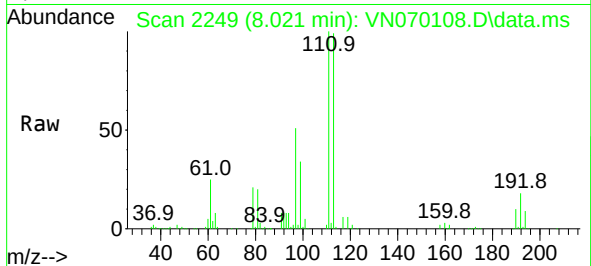
Tgt Ion:114 Resp: 1532092
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 37.8
 88 16.6 0.0 27.4





#35
Dibromofluoromethane
Concen: 55.212 ug/l
RT: 8.021 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

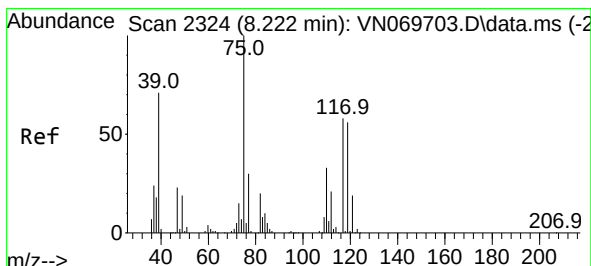
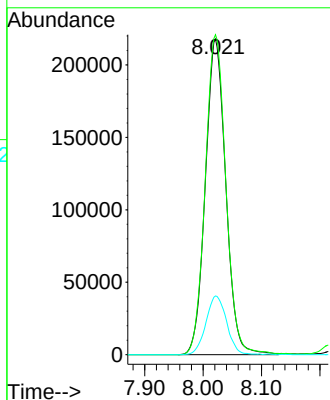
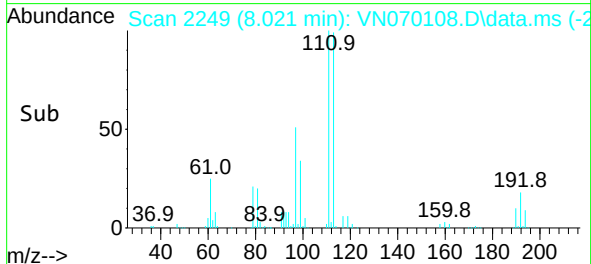
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



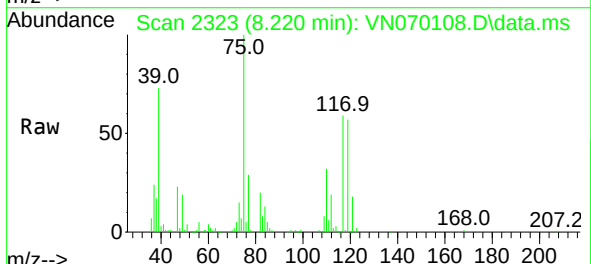
Tgt Ion:113 Resp: 529850
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 18.8 16.9 25.3

Manual Integrations
APPROVED

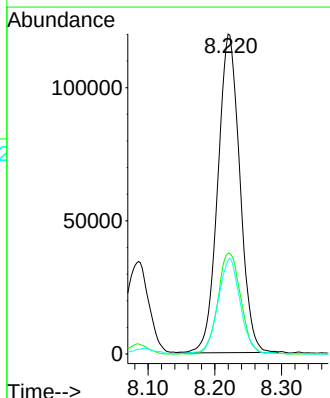
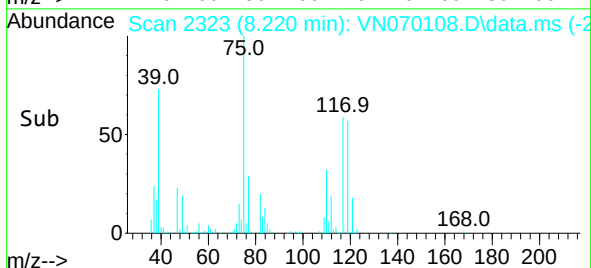
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

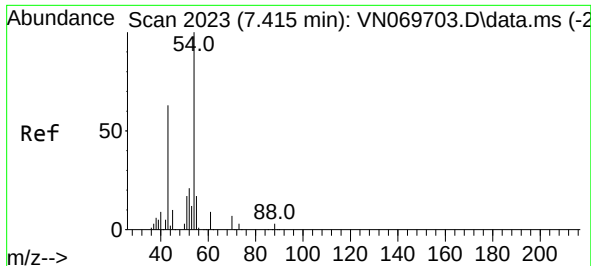


#36
1,1-Dichloropropene
Concen: 18.836 ug/l
RT: 8.220 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35



Tgt Ion: 75 Resp: 274722
Ion Ratio Lower Upper
75 100
110 32.8 18.4 55.2
77 30.3 24.4 36.6





#37

Ethyl Acetate

Concen: 17.079 ug/l

RT: 7.412 min Scan# 2023

Delta R.T. -0.003 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBS01

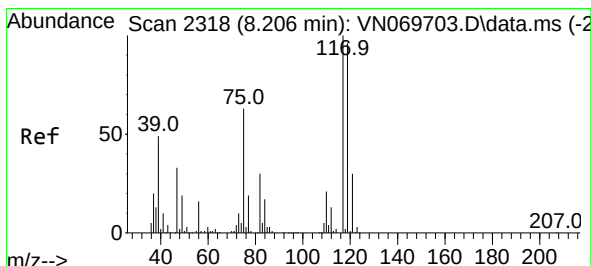
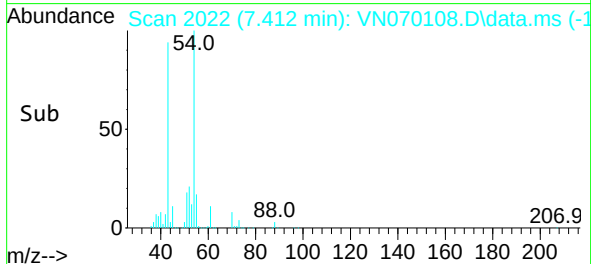
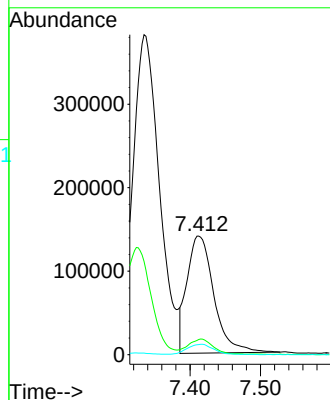
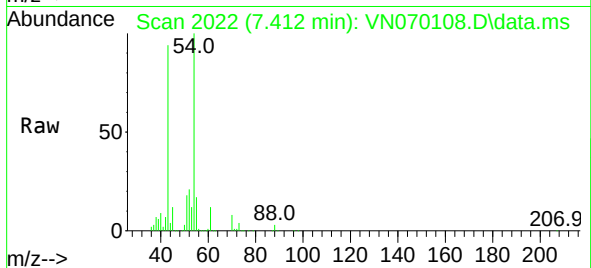
Tgt Ion: 43 Resp: 370759

Ion	Ratio	Lower	Upper
43	100		
61	12.1	11.5	17.3
70	8.3	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#38

Carbon Tetrachloride

Concen: 17.465 ug/l

RT: 8.206 min Scan# 2318

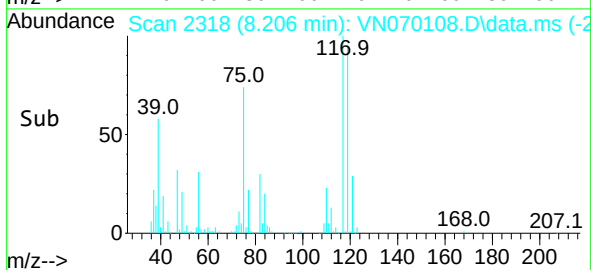
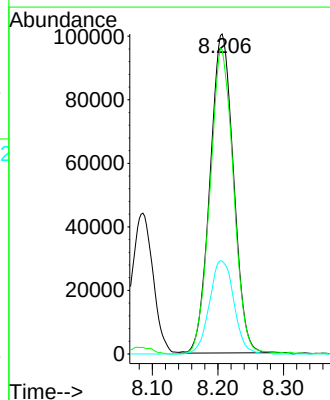
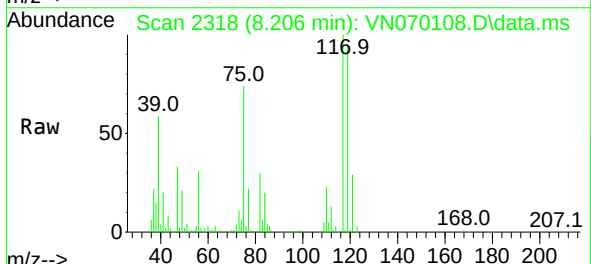
Delta R.T. 0.000 min

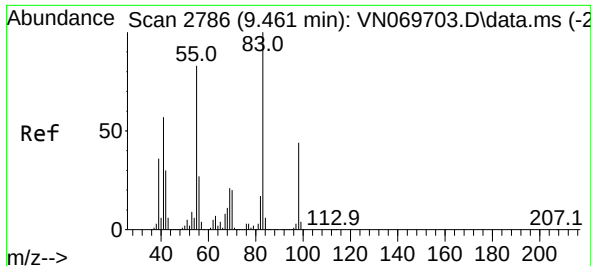
Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Tgt Ion:117 Resp: 249793

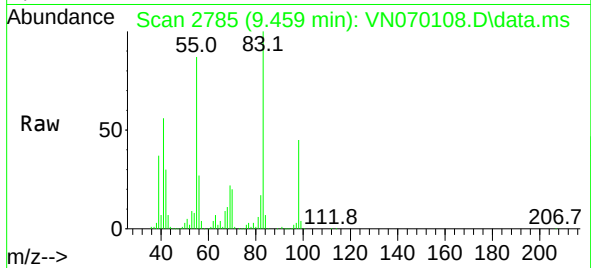
Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.1	114.1
121	29.2	24.2	36.2





#39
Methylcyclohexane
Concen: 18.560 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

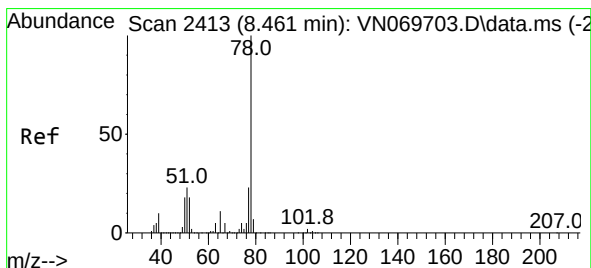
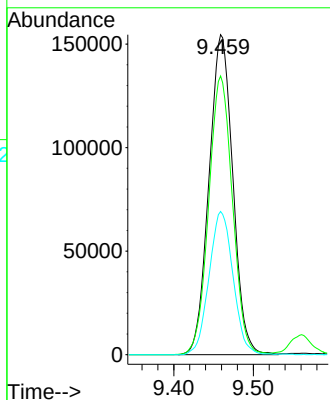
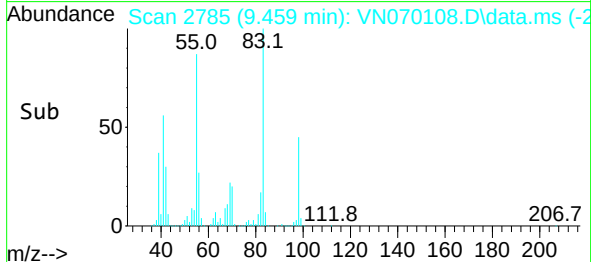
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



Tgt Ion: 83 Resp: 32198
Ion Ratio Lower Upper
83 100
55 87.0 58.1 87.1
98 44.7 38.4 57.6

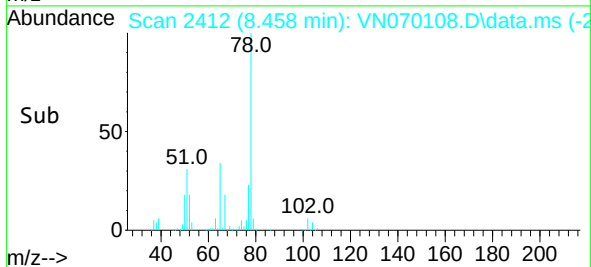
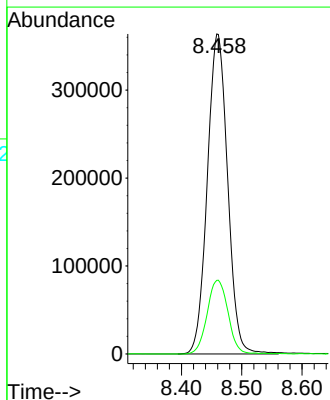
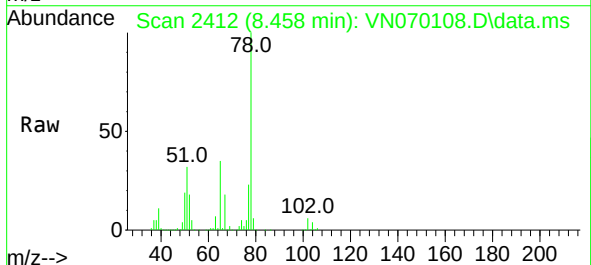
Manual Integrations
APPROVED

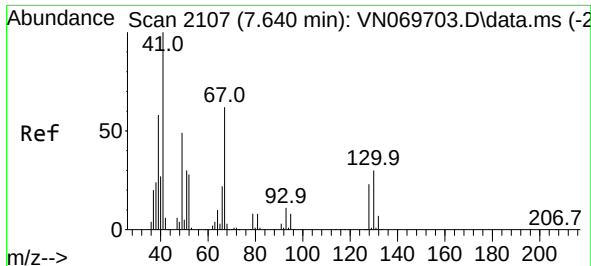
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#40
Benzene
Concen: 19.089 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

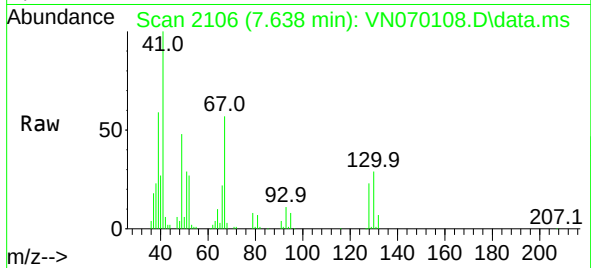
Tgt Ion: 78 Resp: 850998
Ion Ratio Lower Upper
78 100
77 23.0 18.6 27.8





#41
Methacrylonitrile
Concen: 19.156 ug/l
RT: 7.638 min Scan# 2106
Delta R.T. -0.002 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

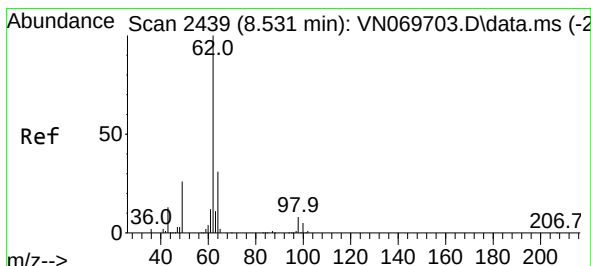
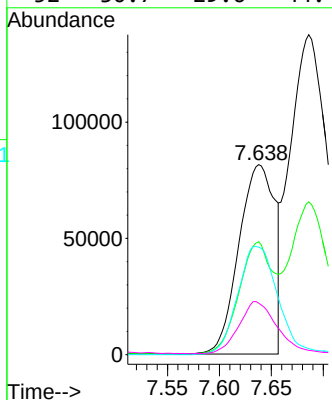
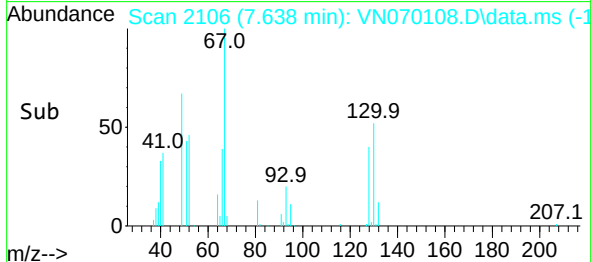
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



Tgt Ion: 41 Resp: 195204
Ion Ratio Lower Upper
41 100
39 56.3 48.1 72.1
67 64.6 68.3 102.5
52 30.7 29.6 44.4

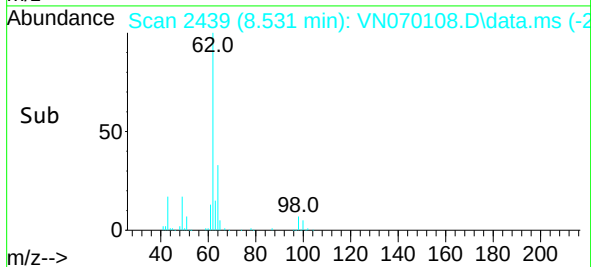
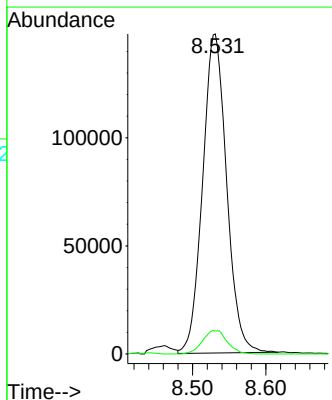
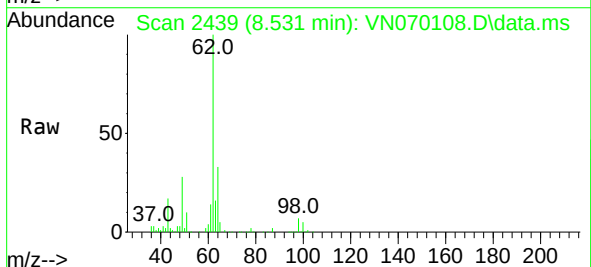
Manual Integrations
APPROVED

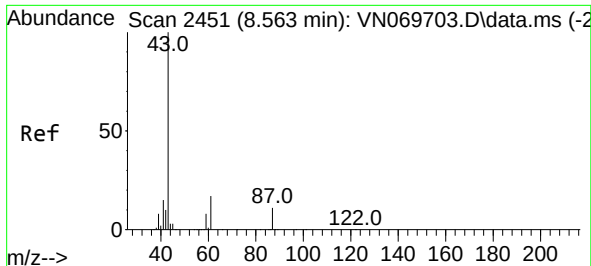
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#42
1,2-Dichloroethane
Concen: 18.672 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Tgt Ion: 62 Resp: 336029
Ion Ratio Lower Upper
62 100
98 7.6 0.0 17.6





#43

Isopropyl Acetate

Concen: 17.998 ug/l

RT: 8.560 min Scan# 2451

Delta R.T. -0.003 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBS01

Tgt Ion: 43 Resp: 57818

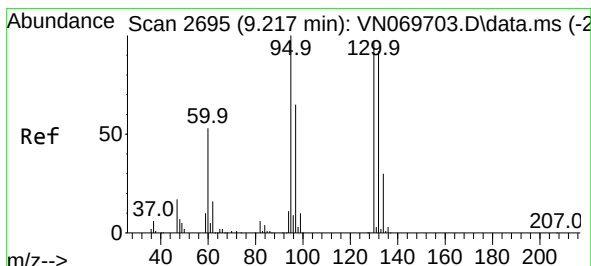
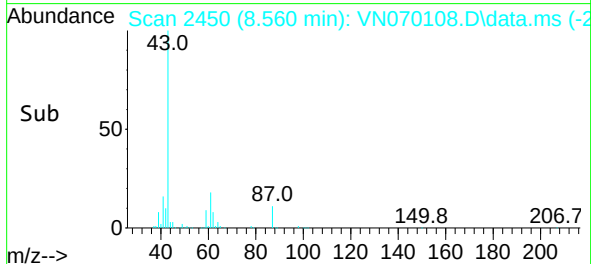
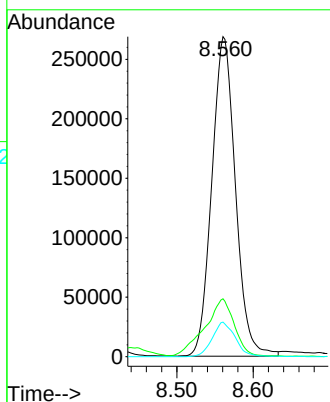
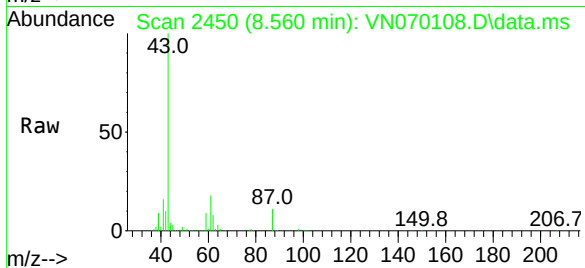
Ion	Ratio	Lower	Upper
43	100		
61	22.3	20.4	30.6
87	10.6	11.2	16.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#44

Trichloroethene

Concen: 18.613 ug/l

RT: 9.215 min Scan# 2694

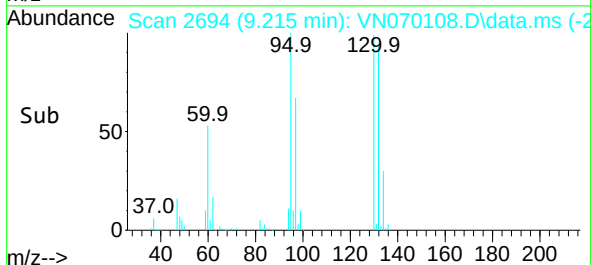
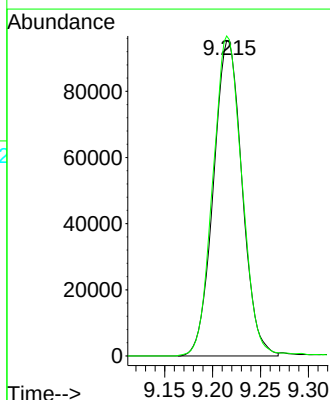
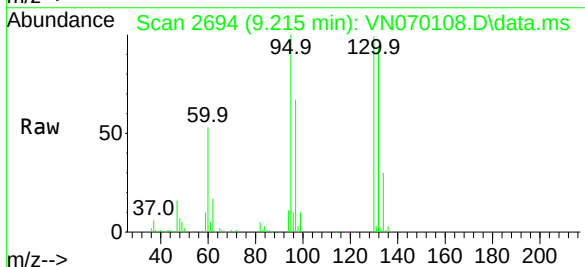
Delta R.T. -0.002 min

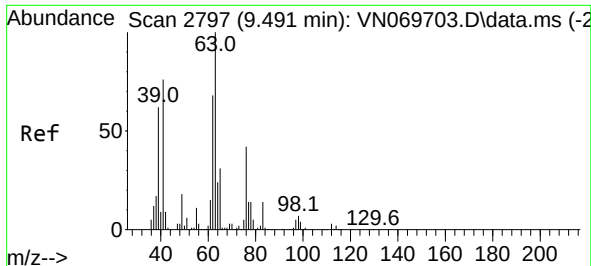
Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Tgt Ion:130 Resp: 198048

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	191.2





#45

1,2-Dichloropropane

Concen: 19.430 ug/l

RT: 9.488 min Scan# 2796

Delta R.T. -0.003 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBS01

Tgt Ion: 63 Resp: 23260

Ion Ratio Lower Upper

63 100

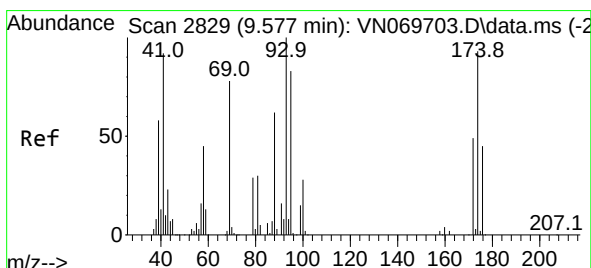
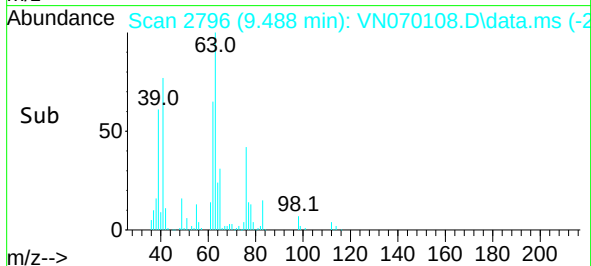
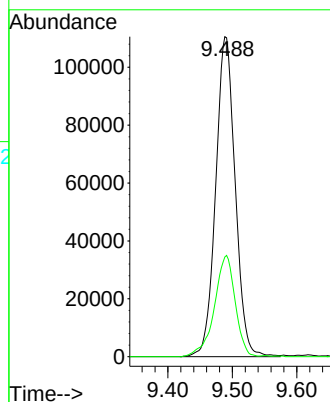
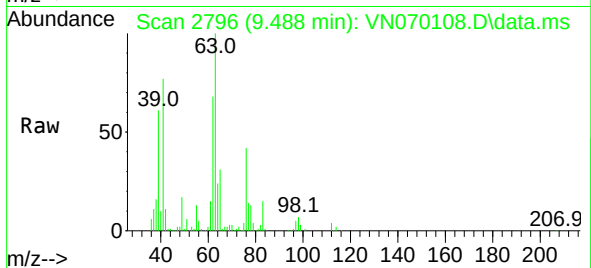
65 31.2 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#46

Dibromomethane

Concen: 18.053 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. 0.000 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

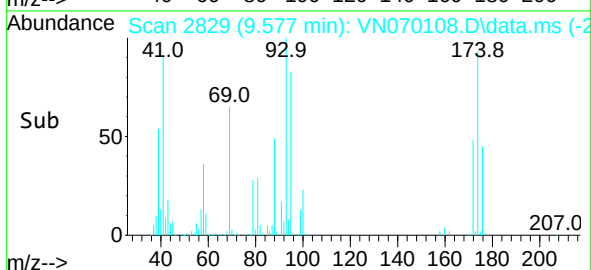
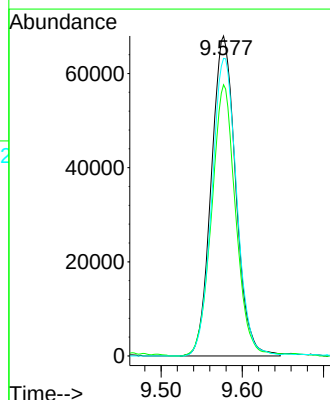
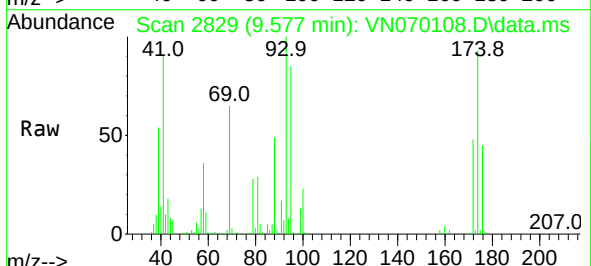
Tgt Ion: 93 Resp: 141742

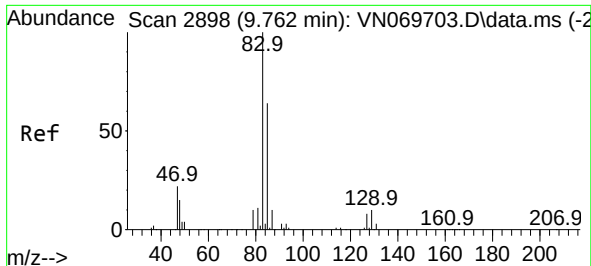
Ion Ratio Lower Upper

93 100

95 83.5 65.9 98.9

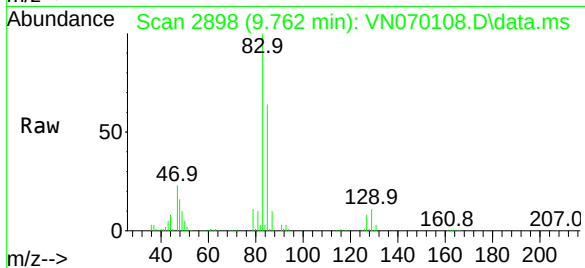
174 94.4 84.6 127.0





#47
Bromodichloromethane
Concen: 18.620 ug/l
RT: 9.762 min Scan# 2898
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

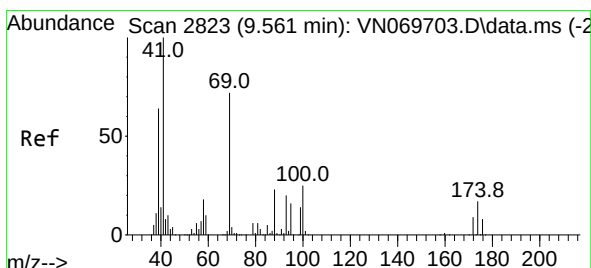
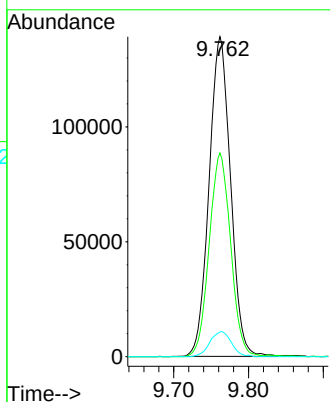
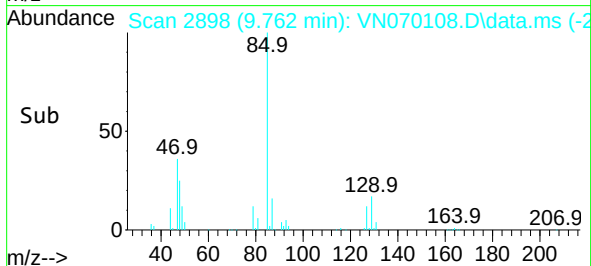
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



Tgt Ion: 83 Resp: 276794
Ion Ratio Lower Upper
83 100
85 63.7 50.9 76.3
127 7.7 7.1 10.7

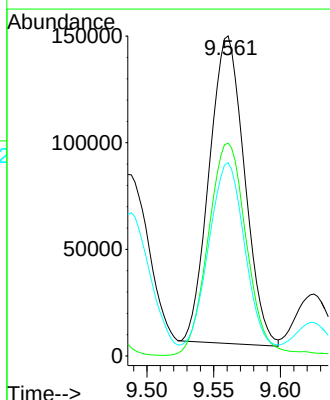
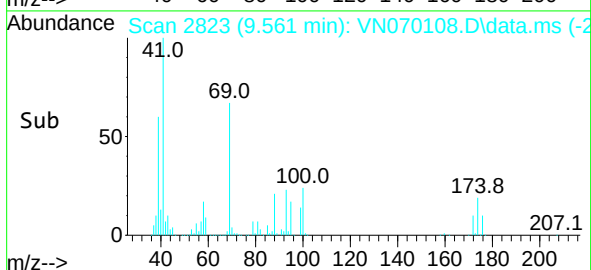
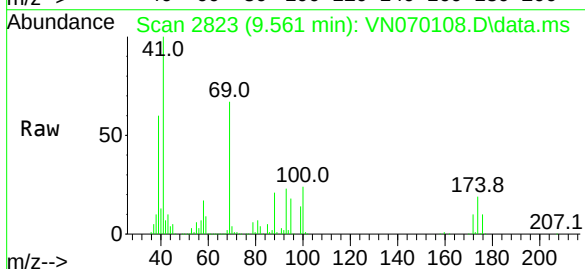
Manual Integrations
APPROVED

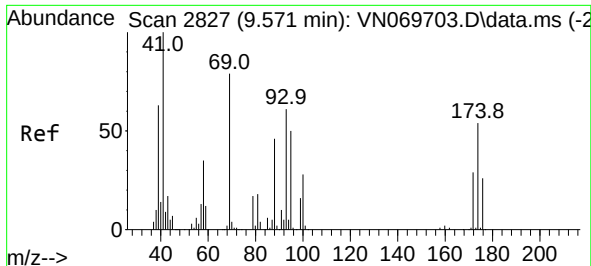
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#48
Methyl methacrylate
Concen: 17.636 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. -0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Tgt Ion: 41 Resp: 264388
Ion Ratio Lower Upper
41 100
69 76.0 72.4 108.6
39 65.6 58.4 87.6





#49

1,4-Dioxane

Concen: 321.957 ug/l

RT: 9.569 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Instrument :

MSVOA_N

ClientSampleId :

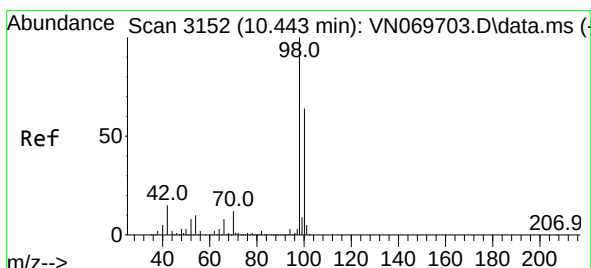
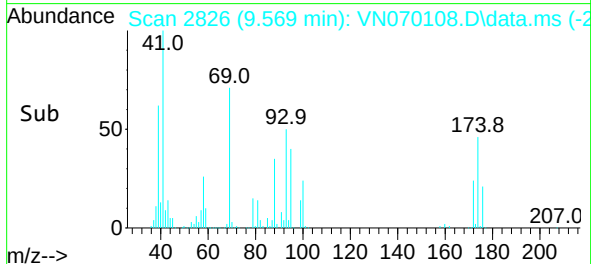
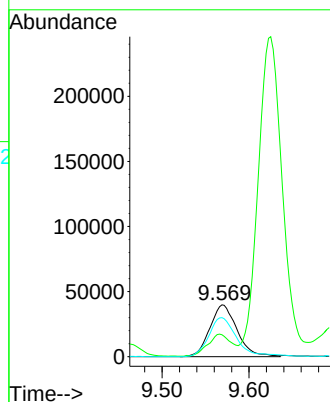
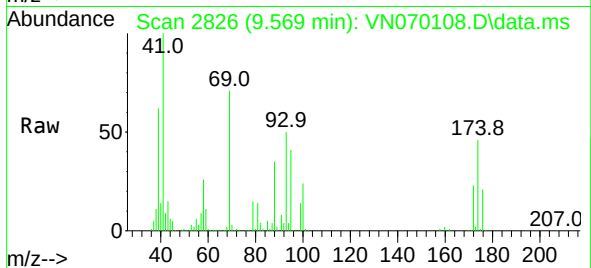
VN1215WBS01

Tgt Ion: 88 Resp: 8660
 Ion Ratio Lower Upper
 88 100
 43 37.4 23.4 35.2
 58 78.2 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021
 Supervised By :Amit Patel 12/16/2021



#50

Toluene-d8

Concen: 53.953 ug/l

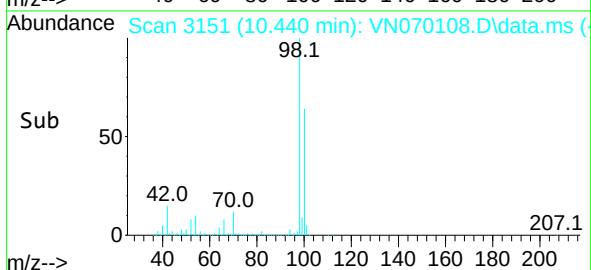
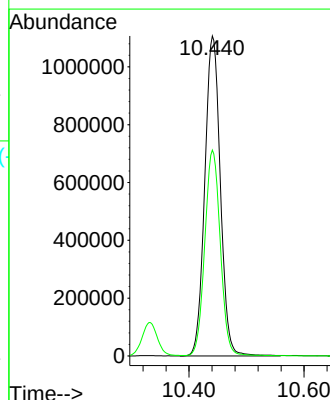
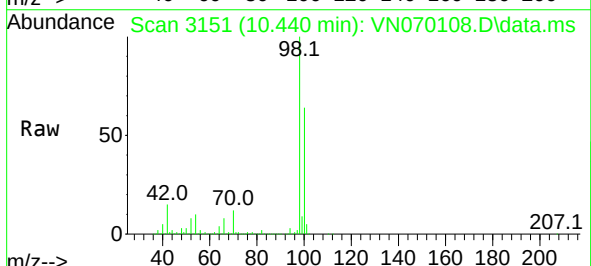
RT: 10.440 min Scan# 3151

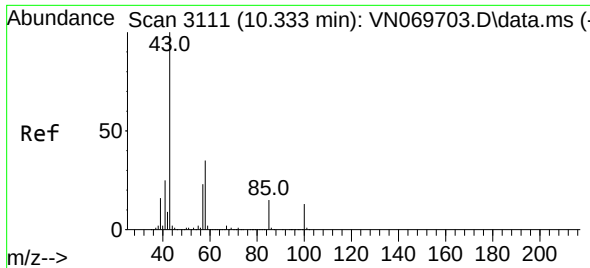
Delta R.T. -0.003 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Tgt Ion: 98 Resp: 2079034
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.4 75.6





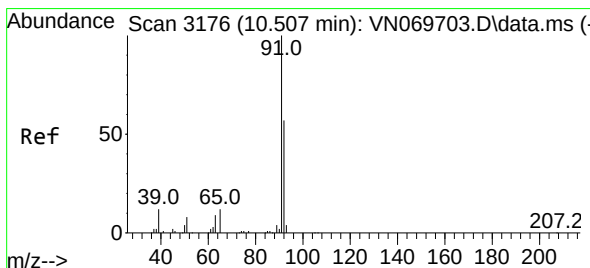
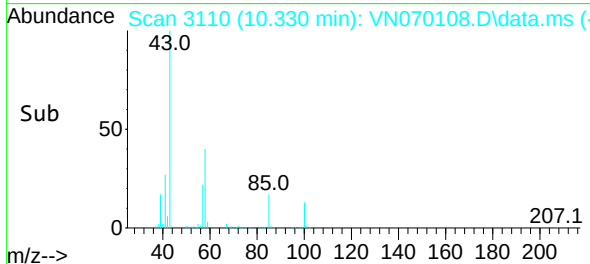
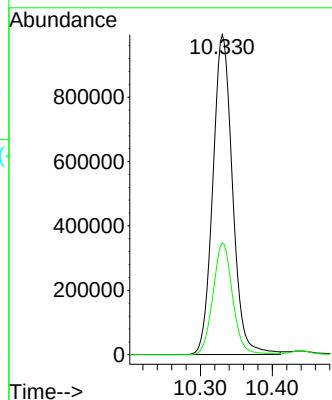
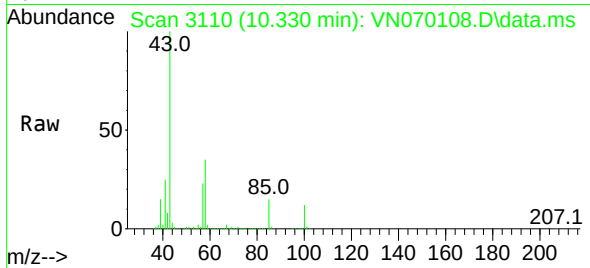
#51
4-Methyl-2-Pentanone
Concen: 90.493 ug/l
RT: 10.330 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01

Tgt Ion: 43 Resp: 188585
Ion Ratio Lower Upper
43 100
58 34.9 30.4 45.6

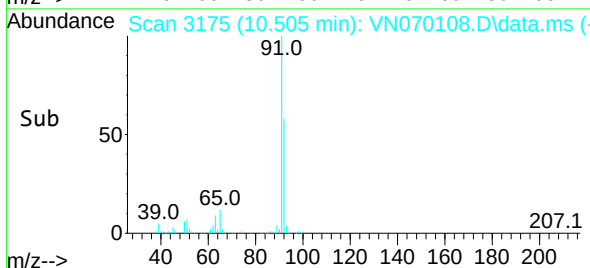
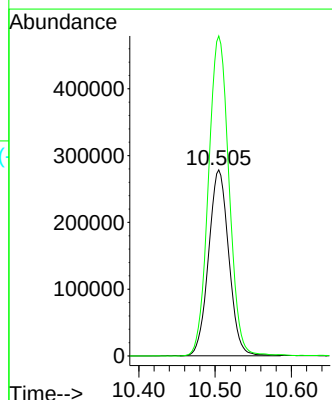
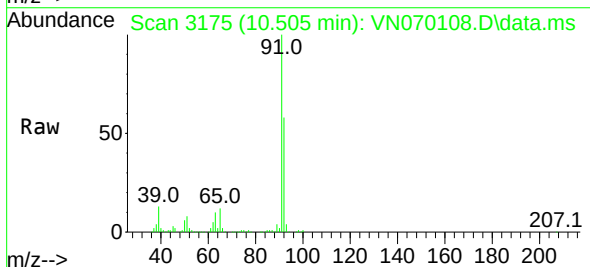
Manual Integrations
APPROVED

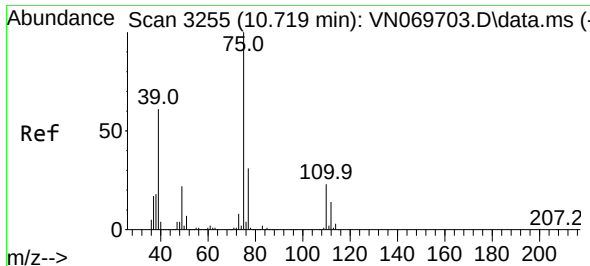
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#52
Toluene
Concen: 18.808 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

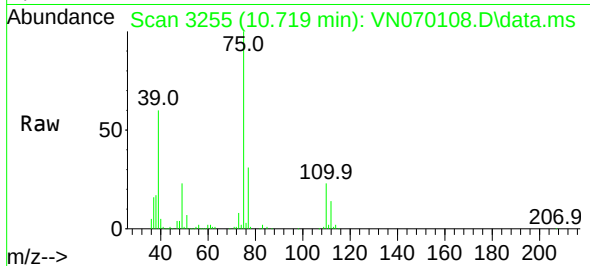
Tgt Ion: 92 Resp: 511892
Ion Ratio Lower Upper
92 100
91 175.2 142.0 213.0





#53
t-1,3-Dichloropropene
Concen: 17.740 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

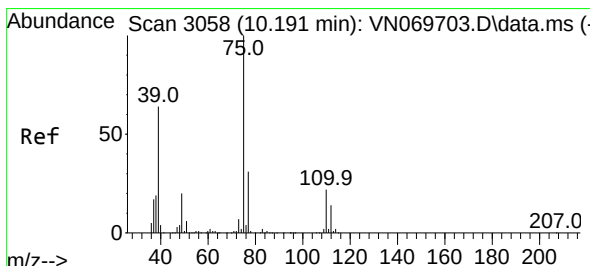
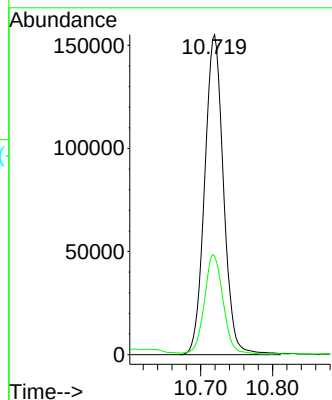
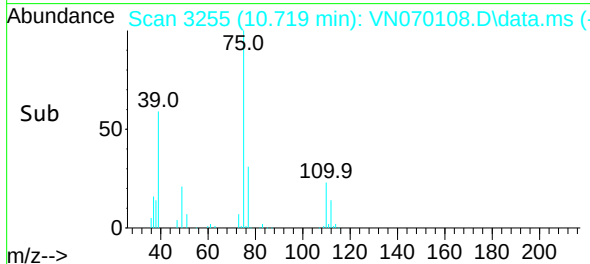
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



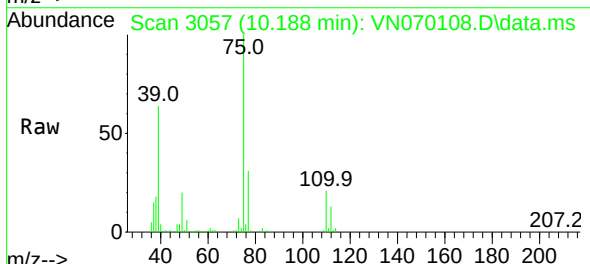
Tgt Ion: 75 Resp: 283085
Ion Ratio Lower Upper
75 100
77 30.4 25.6 38.4

Manual Integrations
APPROVED

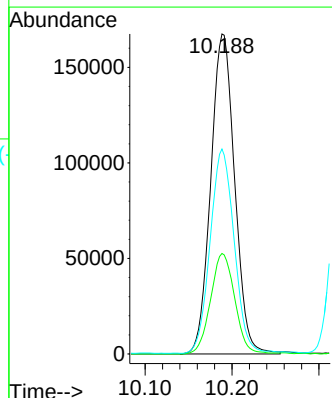
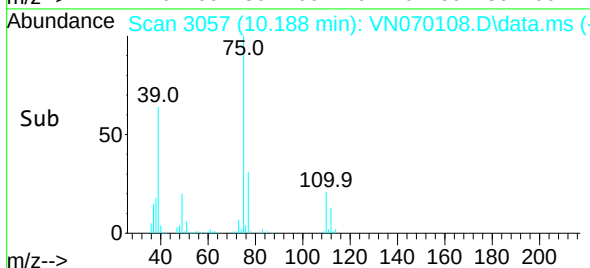
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

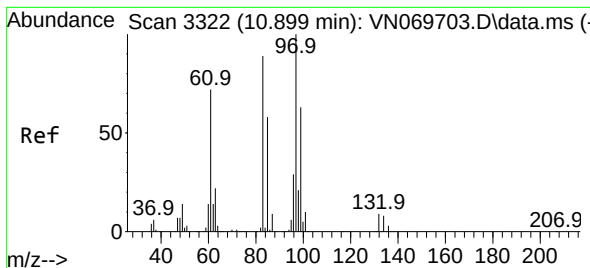


#54
cis-1,3-Dichloropropene
Concen: 18.380 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35



Tgt Ion: 75 Resp: 320224
Ion Ratio Lower Upper
75 100
77 31.4 26.4 39.6
39 63.8 42.5 63.7#





#55

1,1,2-Trichloroethane

Concen: 18.417 ug/l

RT: 10.896 min Scan# 31

Delta R.T. -0.003 min

Lab File: VN070108.D

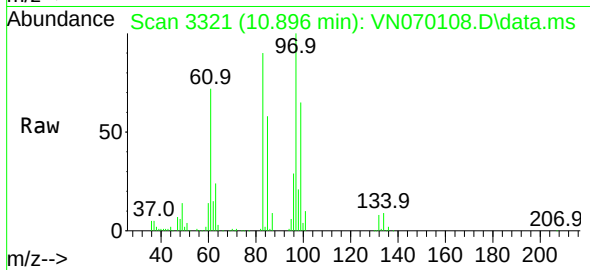
Acq: 15 Dec 2021 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBS01



Tgt Ion: 97 Resp: 202254

Ion Ratio Lower Upper

97 100

83 90.3 67.8 101.6

85 57.6 45.4 68.2

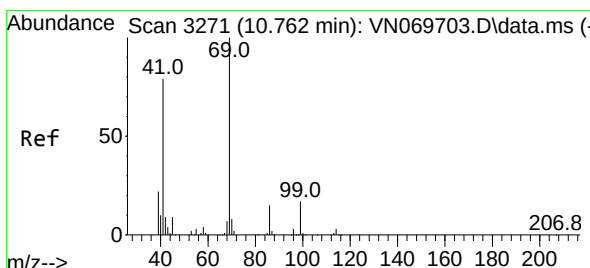
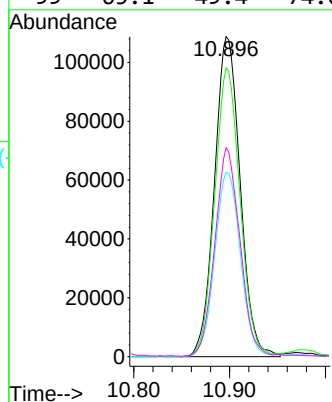
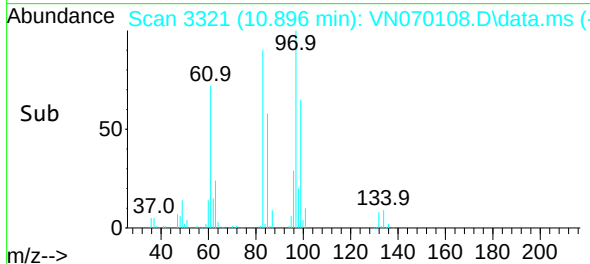
99 65.1 49.4 74.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#56

Ethyl methacrylate

Concen: 17.715 ug/l

RT: 10.760 min Scan# 3270

Delta R.T. -0.002 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

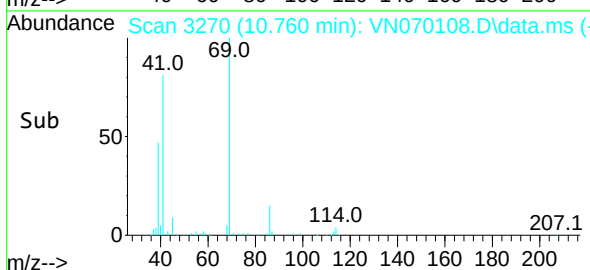
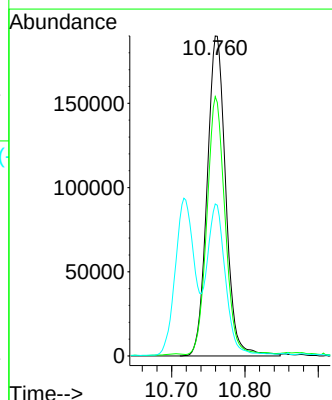
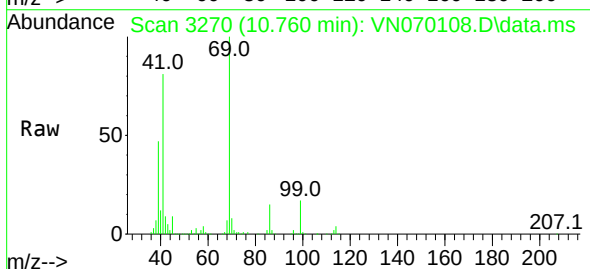
Tgt Ion: 69 Resp: 335116

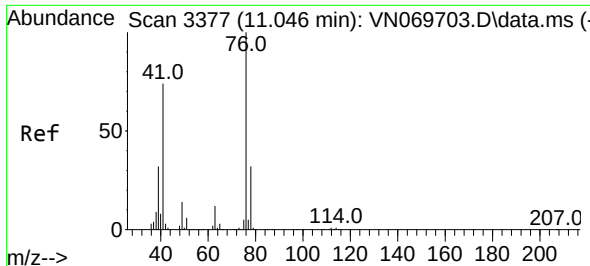
Ion Ratio Lower Upper

69 100

41 78.0 51.4 77.0#

39 45.6 34.6 52.0





#57

1,3-Dichloropropane

Concen: 18.920 ug/l

RT: 11.044 min Scan# 31

Delta R.T. -0.003 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBS01

Tgt Ion: 76 Resp: 365844

Ion Ratio Lower Upper

76 100

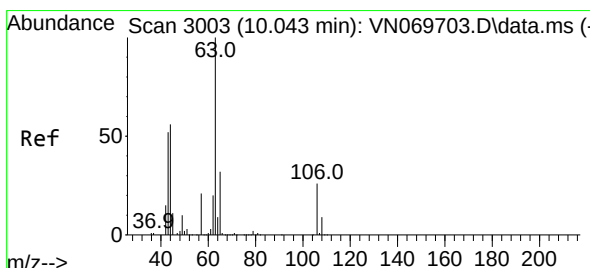
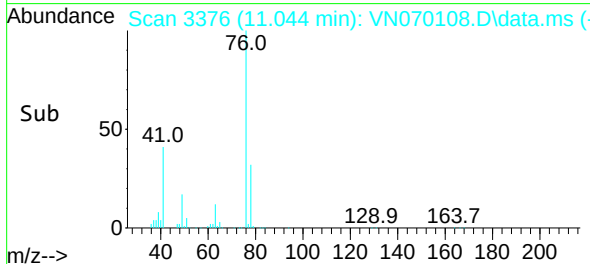
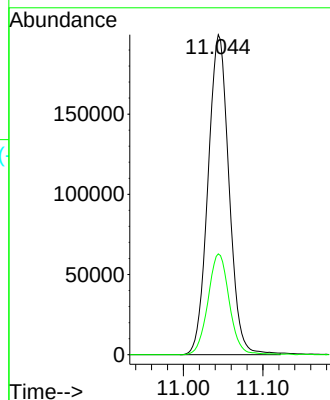
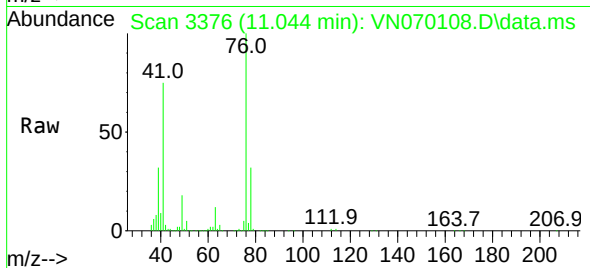
78 32.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#58

2-Chloroethyl Vinyl ether

Concen: 86.056 ug/l

RT: 10.041 min Scan# 3002

Delta R.T. -0.002 min

Lab File: VN070108.D

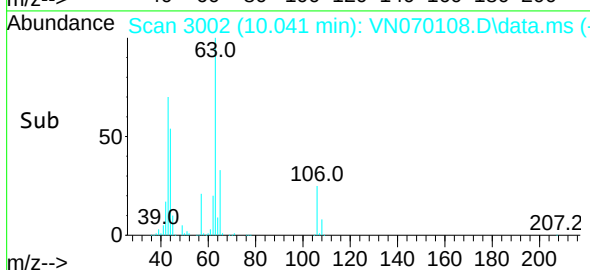
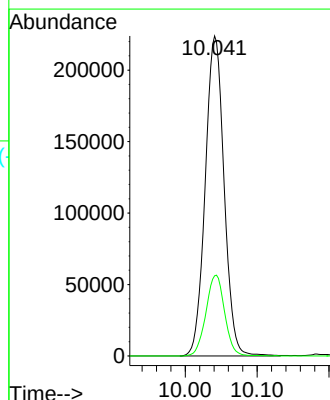
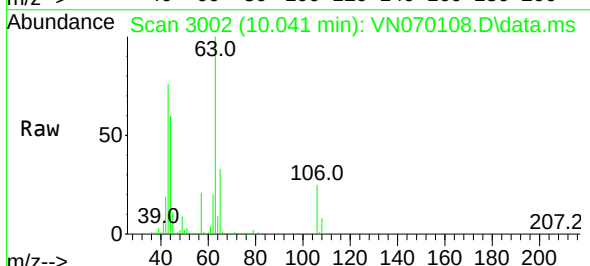
Acq: 15 Dec 2021 13:35

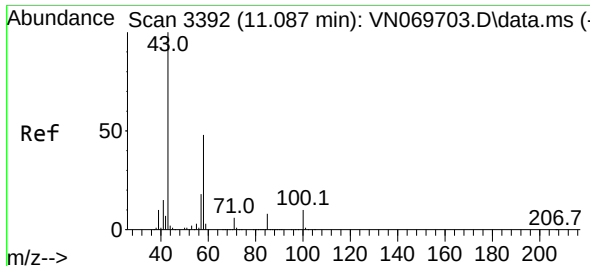
Tgt Ion: 63 Resp: 408699

Ion Ratio Lower Upper

63 100

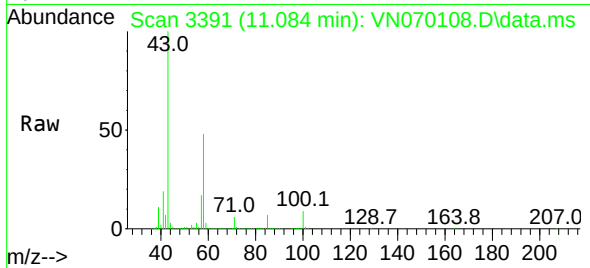
106 25.1 23.9 35.9





#59
2-Hexanone
Concen: 86.523 ug/l
RT: 11.084 min Scan# 3392
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

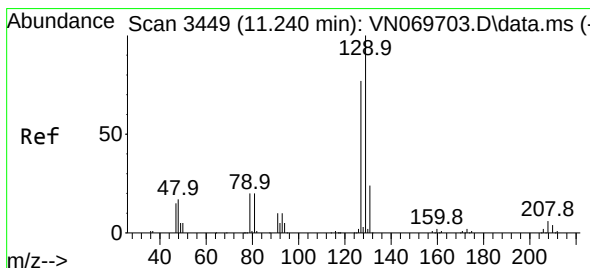
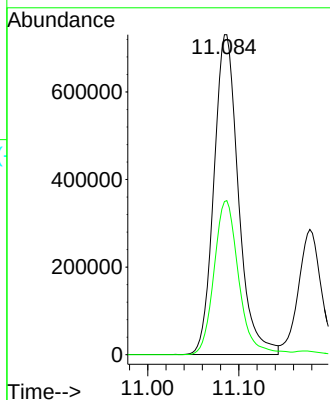
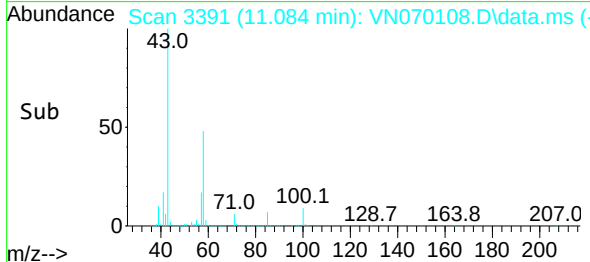
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



Tgt Ion: 43 Resp: 1364010
Ion Ratio Lower Upper
43 100
58 48.6 26.9 80.7

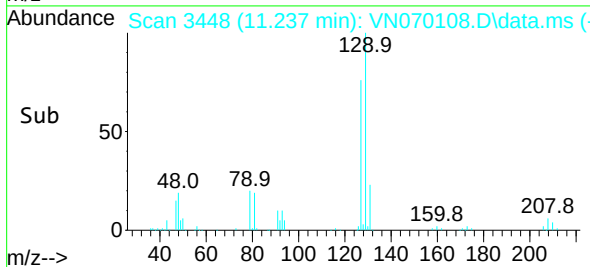
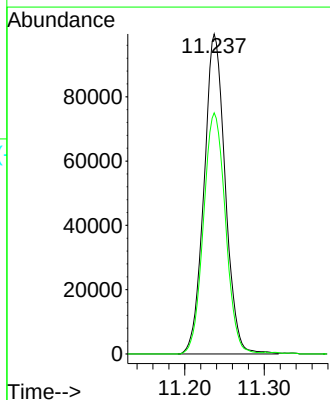
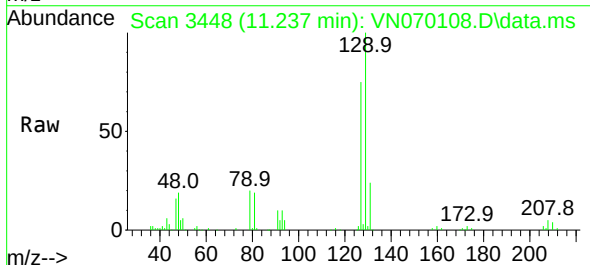
Manual Integrations
APPROVED

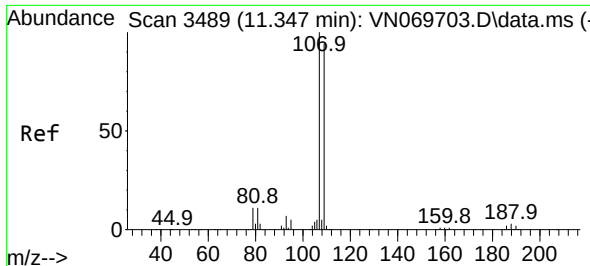
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#60
Dibromochloromethane
Concen: 17.280 ug/l
RT: 11.237 min Scan# 3448
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

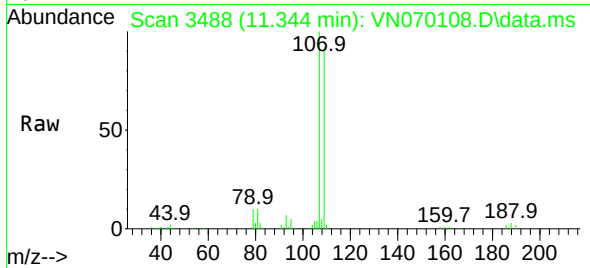
Tgt Ion:129 Resp: 184109
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





#61
1,2-Dibromoethane
Concen: 17.741 ug/l
RT: 11.344 min Scan# 3489
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

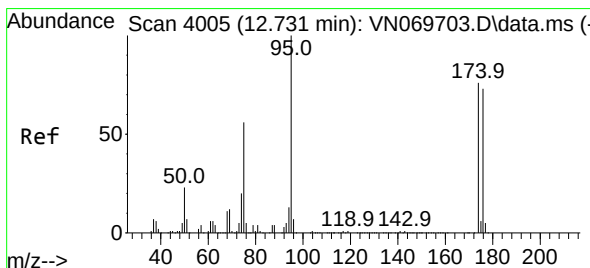
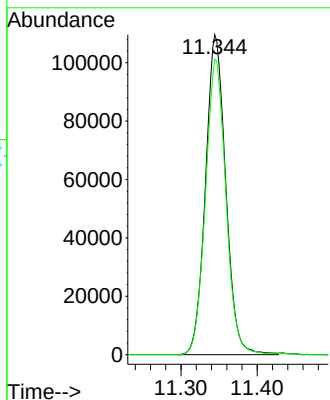
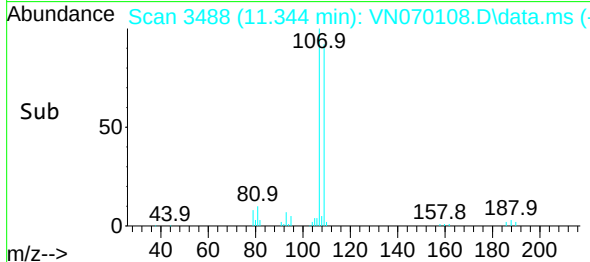
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



Tgt Ion:107 Resp: 20179
Ion Ratio Lower Upper
107 100
109 93.1 75.7 113.5

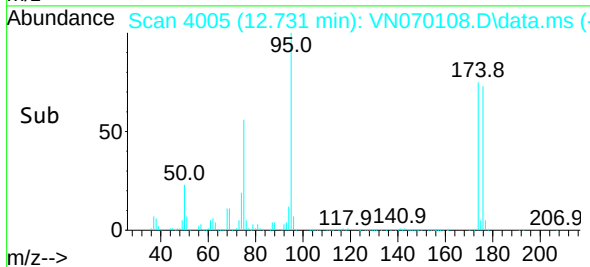
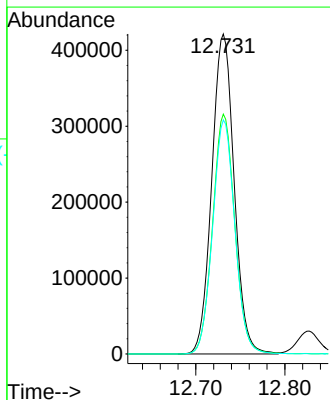
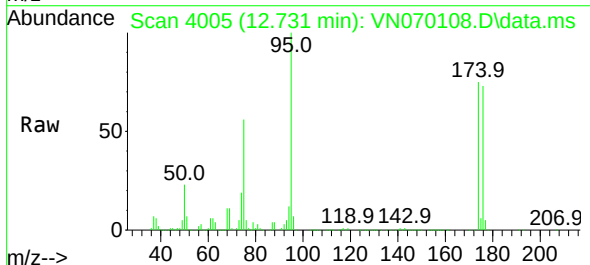
Manual Integrations
APPROVED

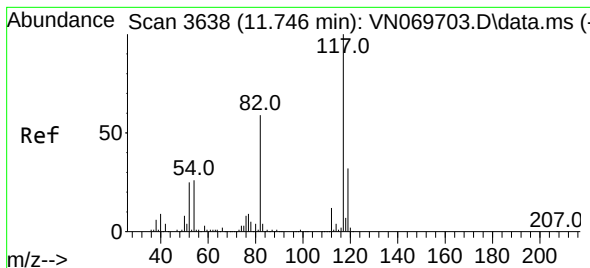
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#62
4-Bromofluorobenzene
Concen: 52.767 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Tgt Ion: 95 Resp: 736629
Ion Ratio Lower Upper
95 100
174 74.4 0.0 187.2
176 72.6 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3638

Delta R.T. -0.002 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBS01

Tgt Ion:117 Resp: 1394800

Ion Ratio Lower Upper

117 100

82 59.9 42.4 63.6

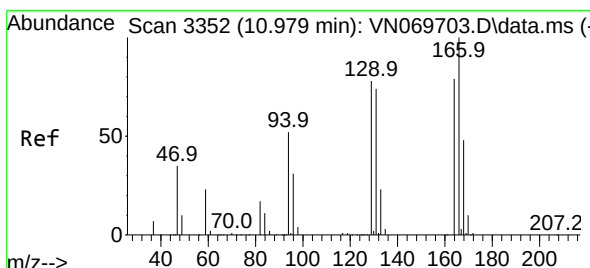
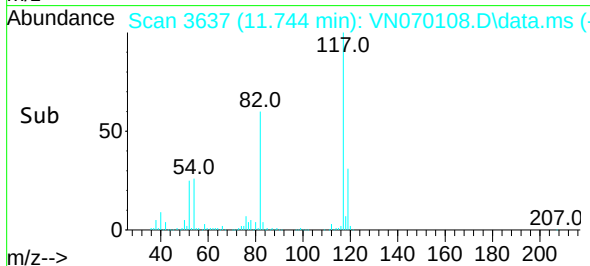
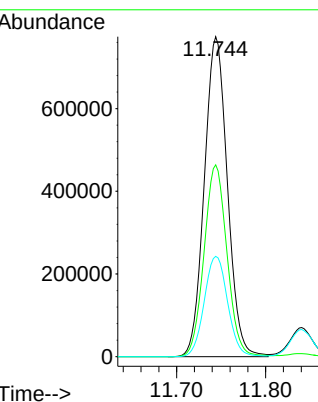
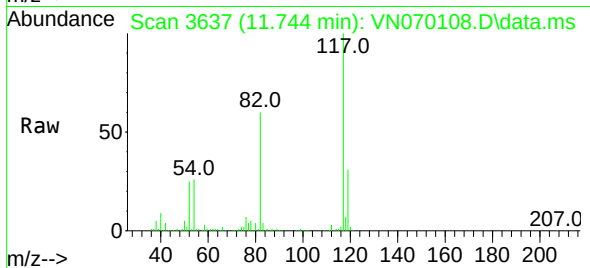
119 31.3 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#64

Tetrachloroethene

Concen: 18.759 ug/l

RT: 10.977 min Scan# 3351

Delta R.T. -0.002 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

Tgt Ion:164 Resp: 177414

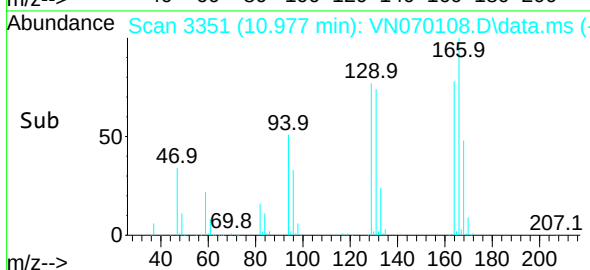
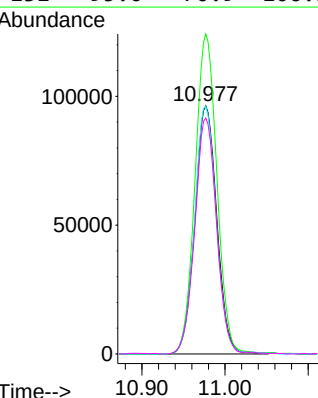
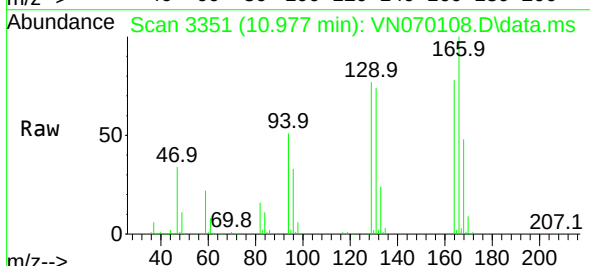
Ion Ratio Lower Upper

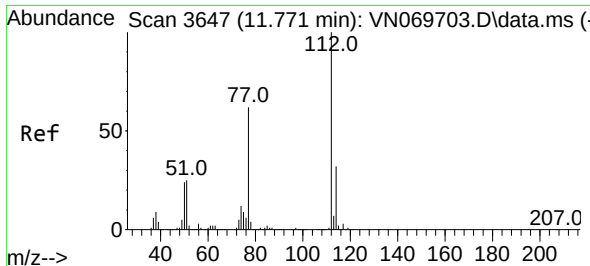
164 100

166 128.9 101.9 152.9

129 99.7 72.0 108.0

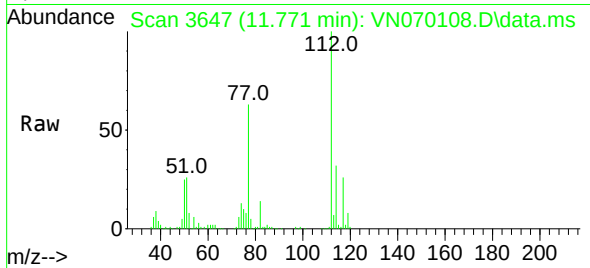
131 95.0 70.9 106.3





#65
Chlorobenzene
Concen: 18.686 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

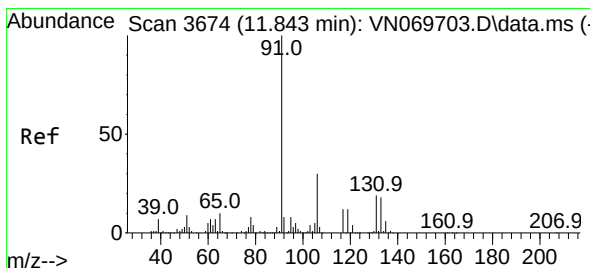
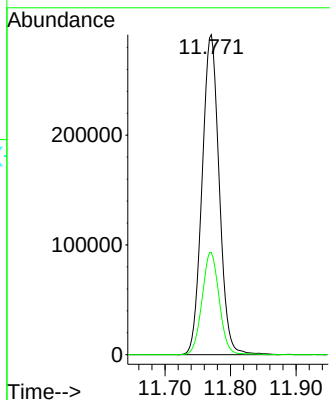
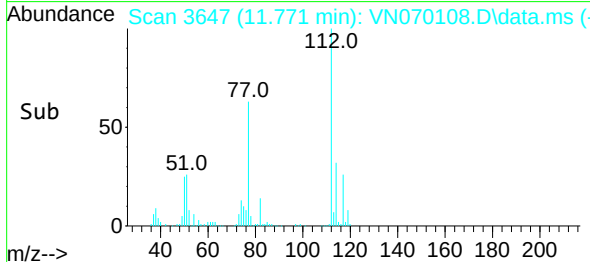
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



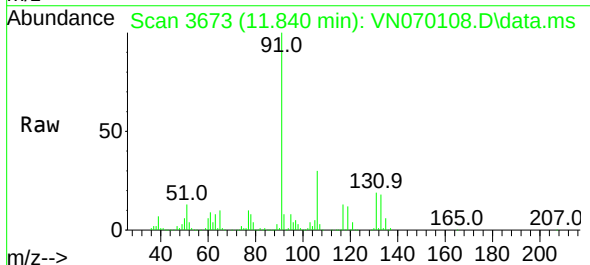
Tgt Ion:112 Resp: 528749
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0

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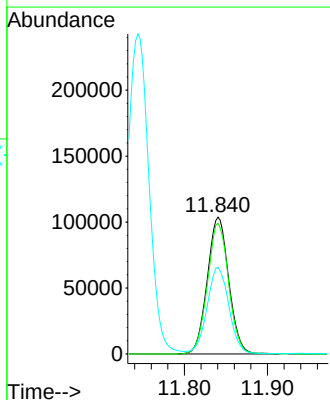
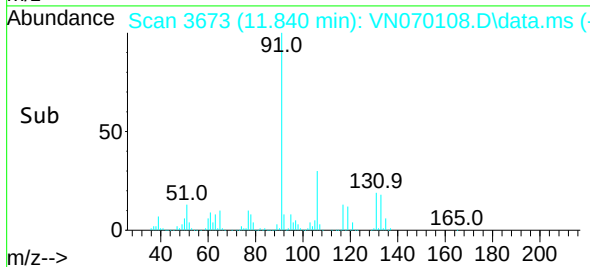
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

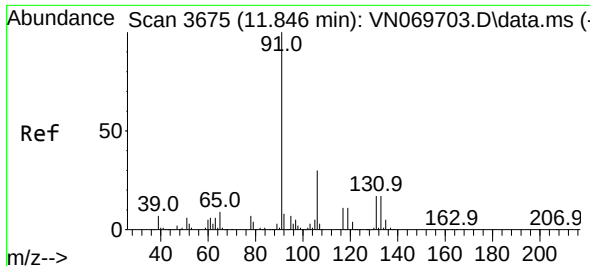


#66
1,1,1,2-Tetrachloroethane
Concen: 18.737 ug/l
RT: 11.840 min Scan# 3673
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35



Tgt Ion:131 Resp: 186609
Ion Ratio Lower Upper
131 100
133 94.3 47.9 143.7
119 63.9 32.1 96.5





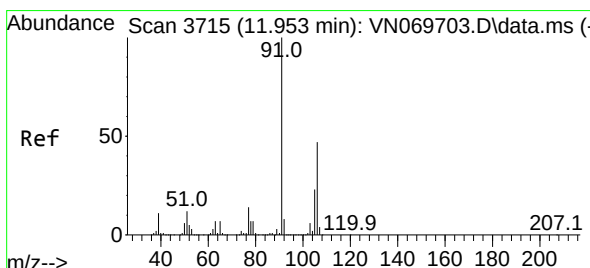
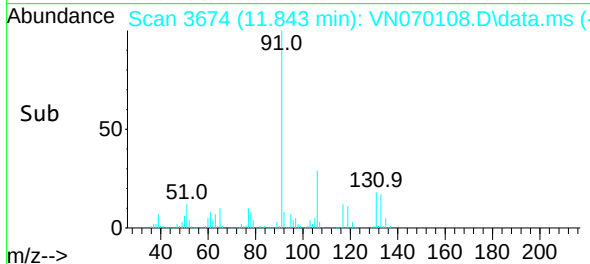
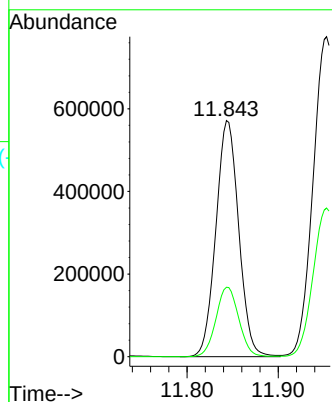
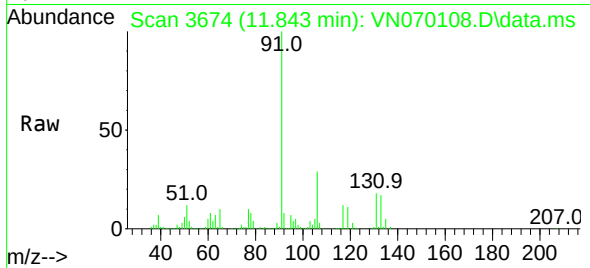
#67
Ethyl Benzene
Concen: 19.360 ug/l
RT: 11.843 min Scan# 30
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01

Tgt Ion: 91 Resp: 99507
Ion Ratio Lower Upper
91 100
106 29.4 25.7 38.5

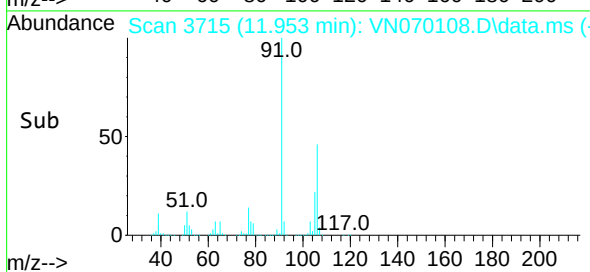
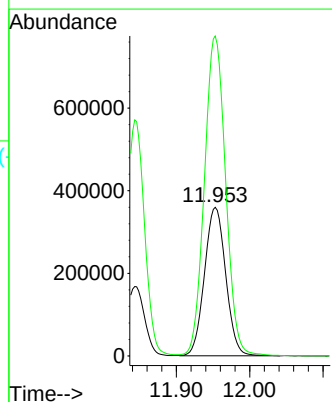
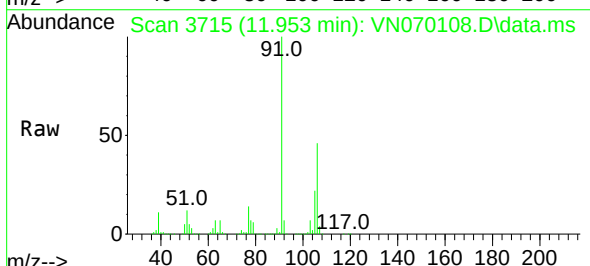
Manual Integrations
APPROVED

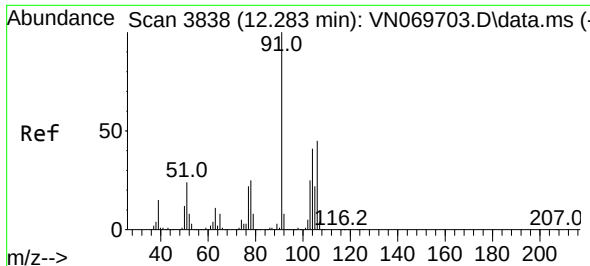
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#68
m/p-Xylenes
Concen: 38.715 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Tgt Ion:106 Resp: 724561
Ion Ratio Lower Upper
106 100
91 215.2 160.6 240.8





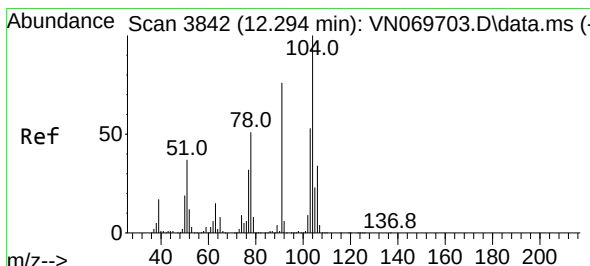
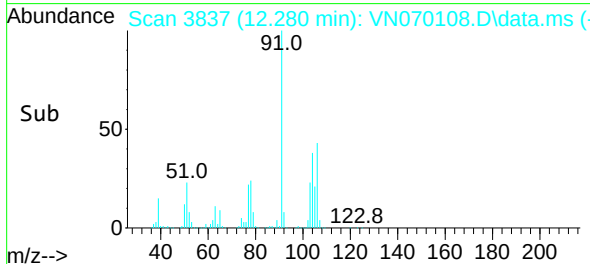
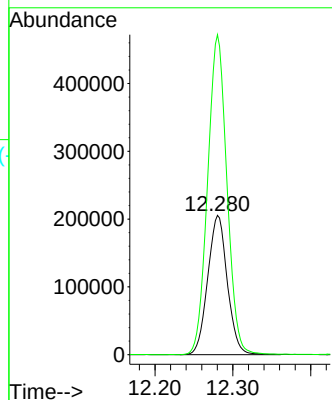
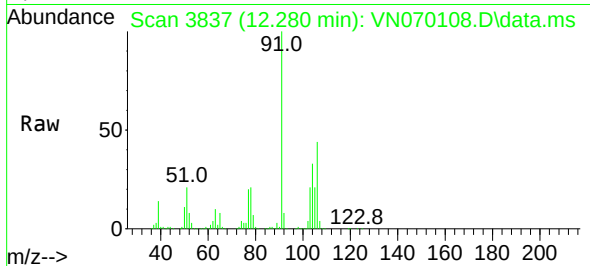
#69
o-Xylene
Concen: 19.055 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01

Tgt Ion:106 Resp: 35920
Ion Ratio Lower Upper
106 100
91 226.8 105.8 317.3

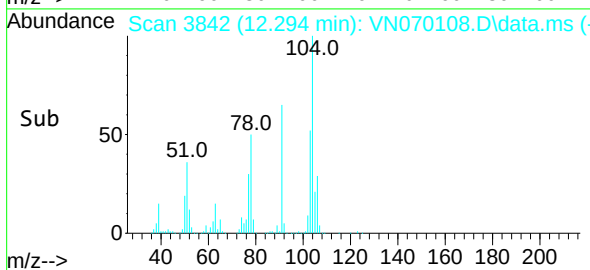
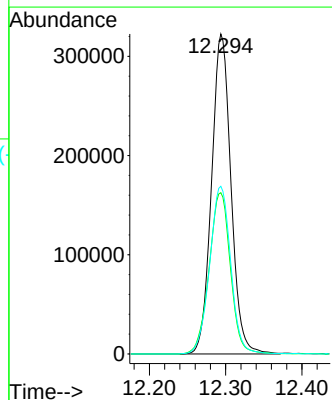
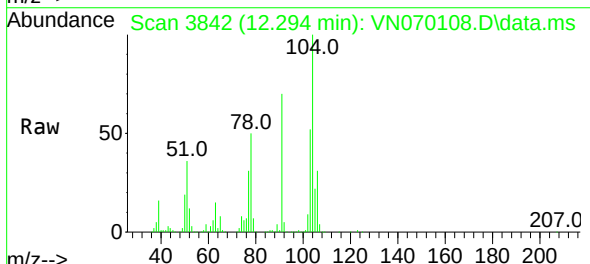
Manual Integrations
APPROVED

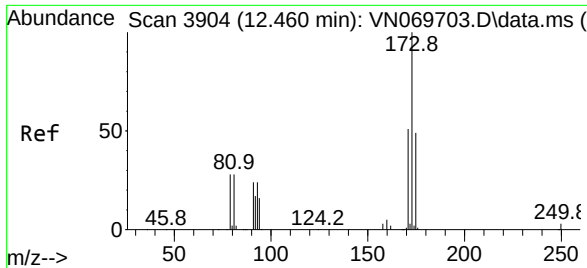
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#70
Styrene
Concen: 19.108 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

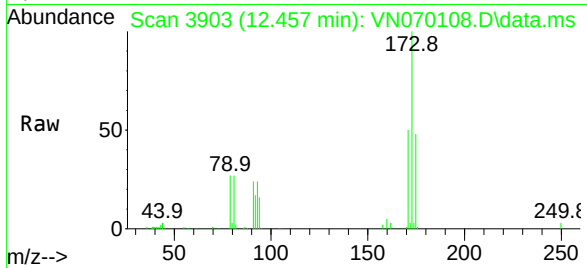
Tgt Ion:104 Resp: 571168
Ion Ratio Lower Upper
104 100
78 55.2 38.7 58.1
103 56.7 45.0 67.6





#71
Bromoform
Concen: 16.655 ug/l
RT: 12.457 min Scan# 3904
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

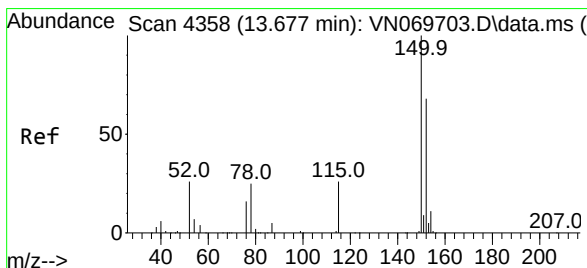
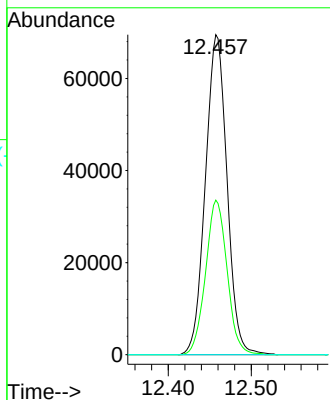
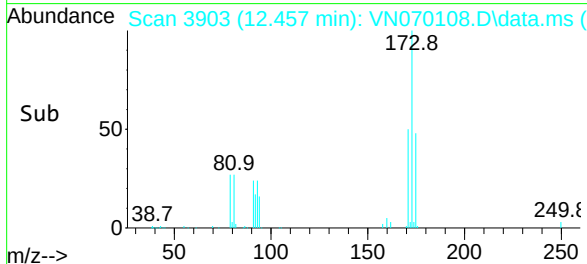
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



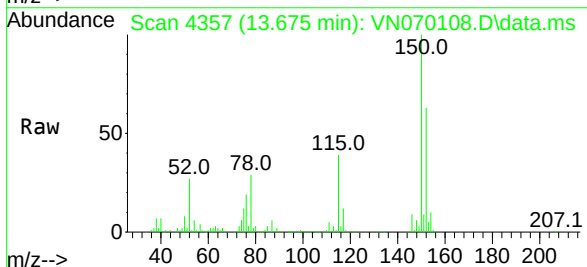
Tgt Ion:173 Resp: 125464
Ion Ratio Lower Upper
173 100
175 48.1 24.2 72.6
254 0.0 0.0 0.0

Manual Integrations
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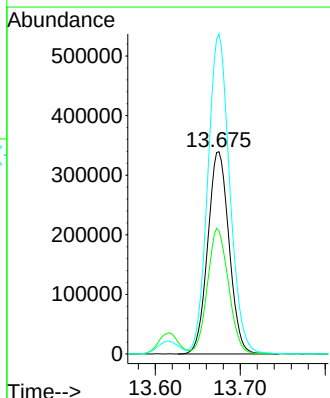
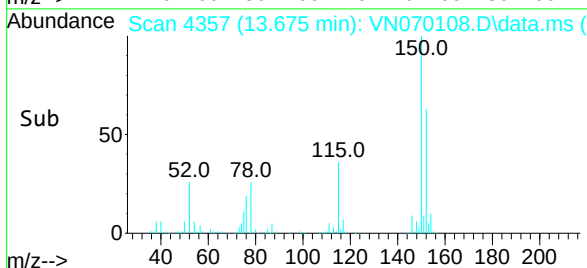
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

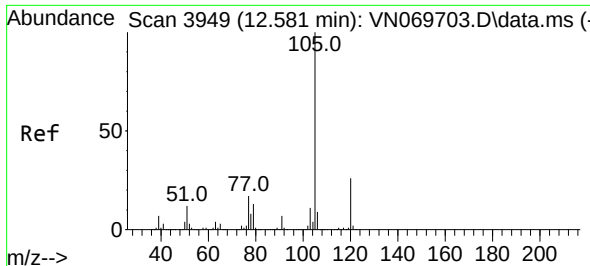


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35



Tgt Ion:152 Resp: 591307
Ion Ratio Lower Upper
152 100
115 61.5 27.5 82.5
150 162.9 0.0 344.4





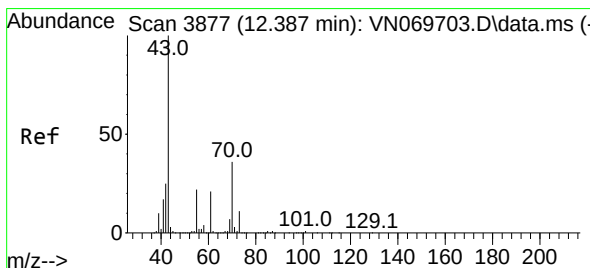
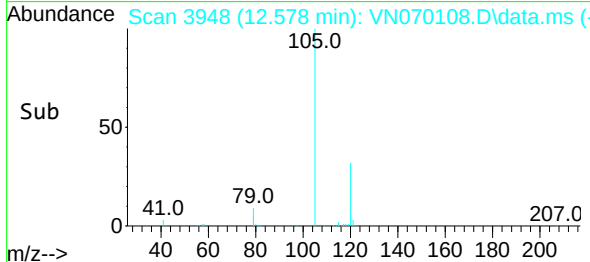
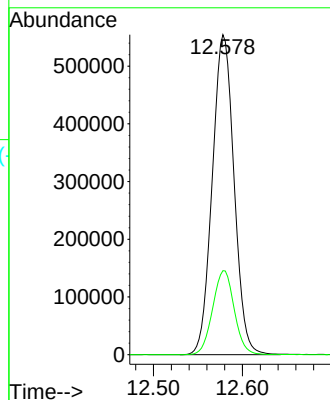
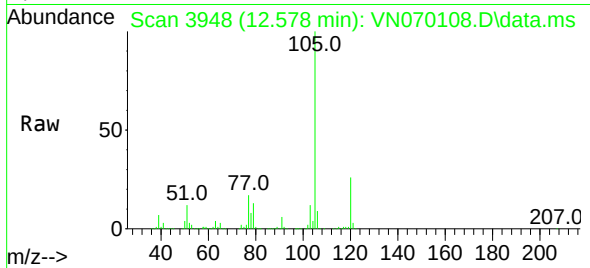
#73
Isopropylbenzene
Concen: 17.922 ug/l
RT: 12.578 min Scan# 3949
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01

Tgt Ion:105 Resp: 942848
Ion Ratio Lower Upper
105 100
120 26.0 13.4 40.1

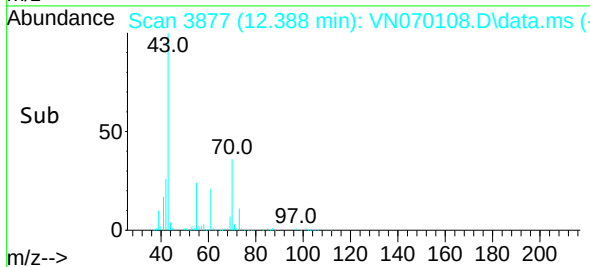
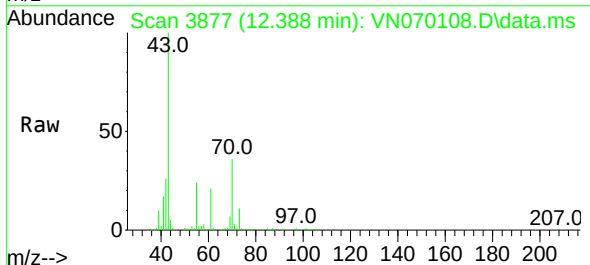
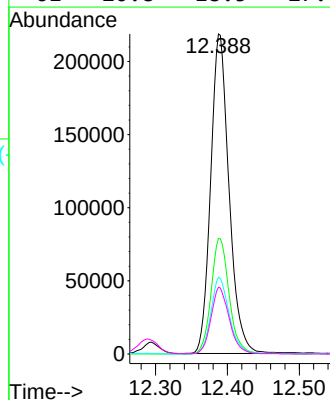
Manual Integrations
APPROVED

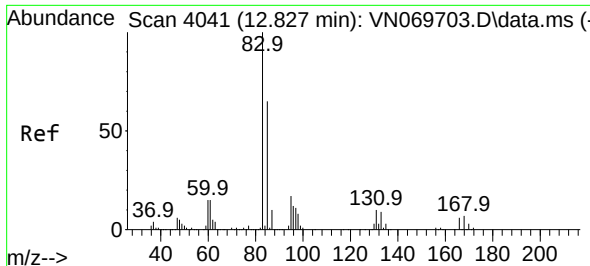
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#74
N-amy1 acetate
Concen: 16.669 ug/l
RT: 12.388 min Scan# 3877
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Tgt Ion: 43 Resp: 387830
Ion Ratio Lower Upper
43 100
70 35.5 33.4 50.0
55 24.0 19.3 28.9
61 20.8 18.5 27.7





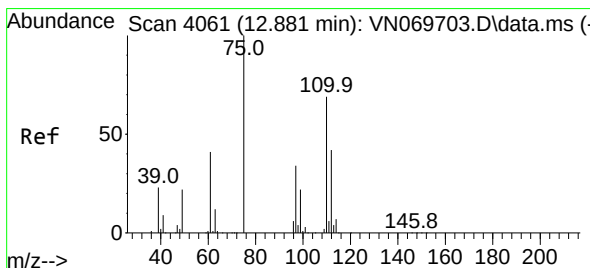
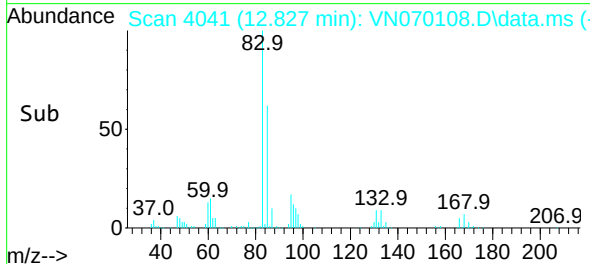
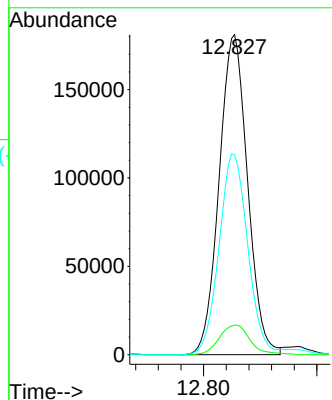
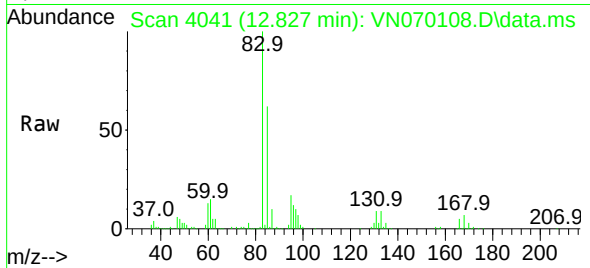
#75
1,1,2,2-Tetrachloroethane
Concen: 17.333 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01

Tgt Ion: 83 Resp: 31533
Ion Ratio Lower Upper
83 100
131 10.0 5.5 16.5
85 63.3 32.4 97.2

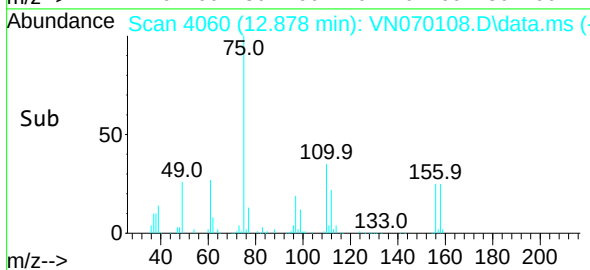
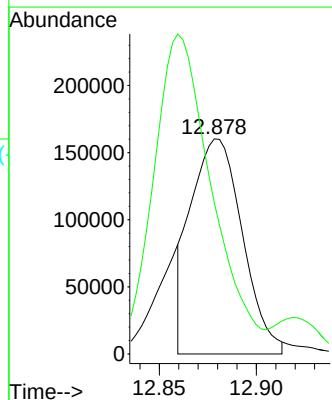
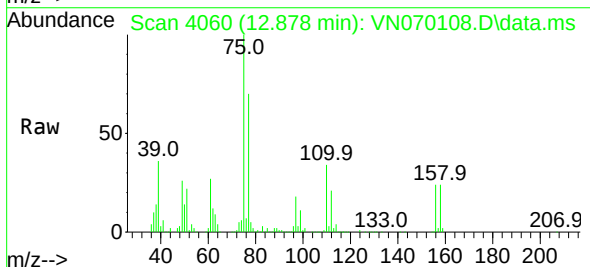
Manual Integrations
APPROVED

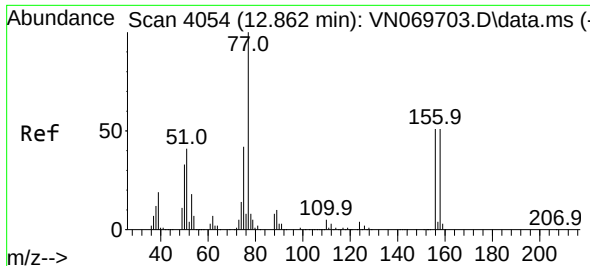
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#76
1,2,3-Trichloropropane
Concen: 17.438 ug/l m
RT: 12.878 min Scan# 4060
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

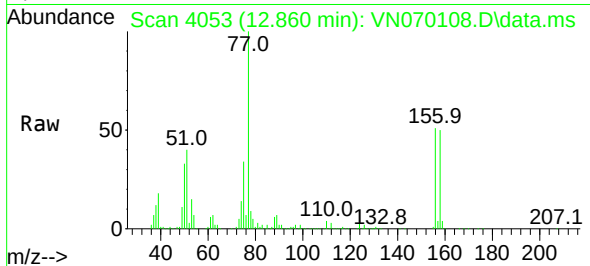
Tgt Ion: 75 Resp: 295710
Ion Ratio Lower Upper
75 100
77 169.0 82.6 247.8





#77
Bromobenzene
Concen: 17.521 ug/l
RT: 12.860 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

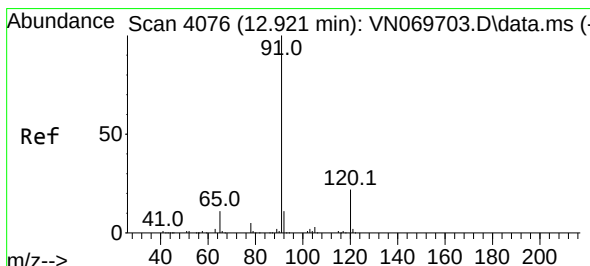
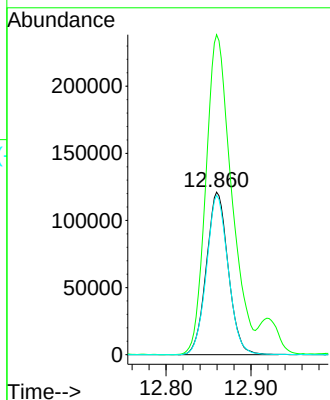
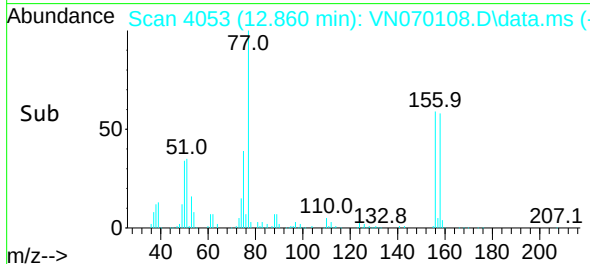
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



Tgt Ion:156 Resp: 21650
Ion Ratio Lower Upper
156 100
77 230.9 90.6 271.8
158 97.4 48.9 146.7

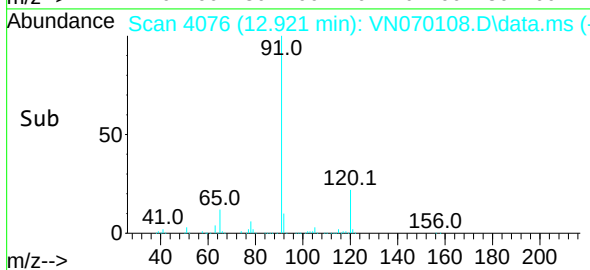
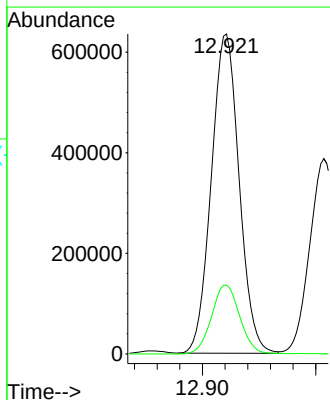
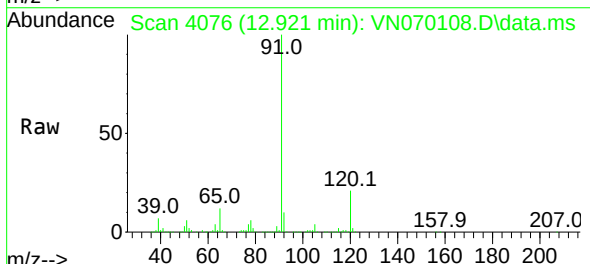
Manual Integrations
APPROVED

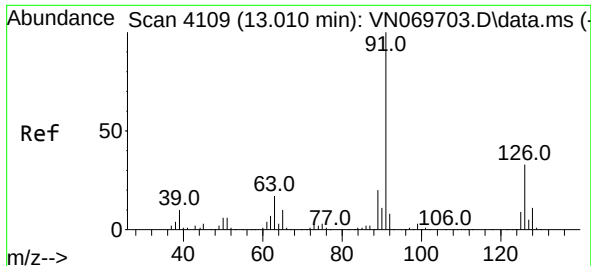
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#78
n-propylbenzene
Concen: 18.479 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Tgt Ion: 91 Resp: 1081811
Ion Ratio Lower Upper
91 100
120 21.9 11.9 35.9





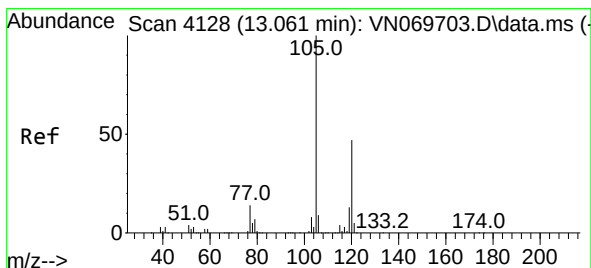
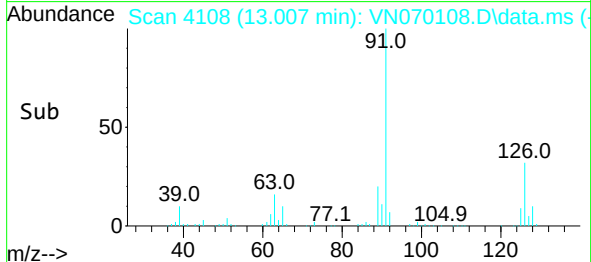
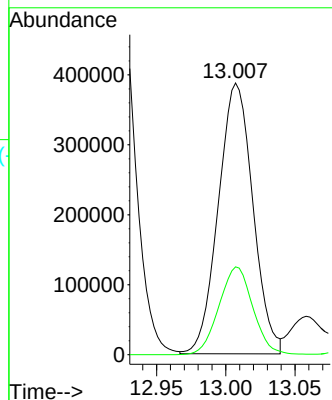
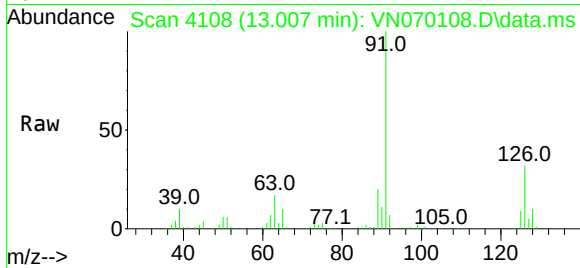
#79
2-Chlorotoluene
Concen: 18.196 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01

Tgt Ion: 91 Resp: 673108
Ion Ratio Lower Upper
91 100
126 31.8 18.3 54.8

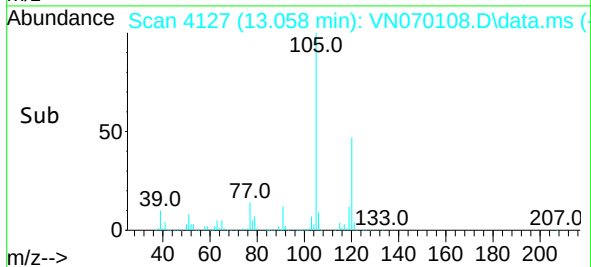
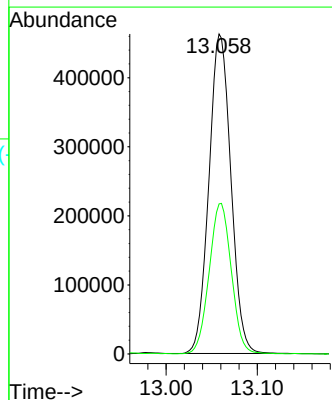
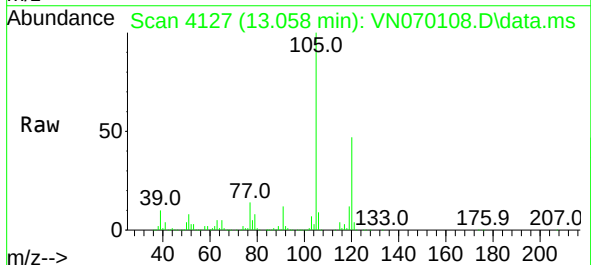
Manual Integrations
APPROVED

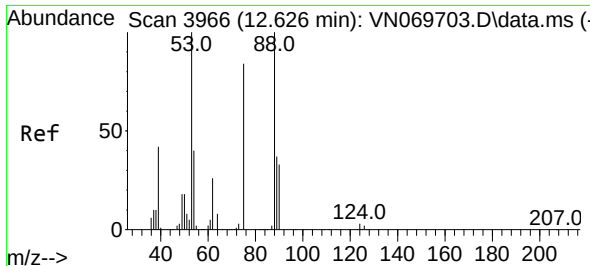
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#80
1,3,5-Trimethylbenzene
Concen: 18.299 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

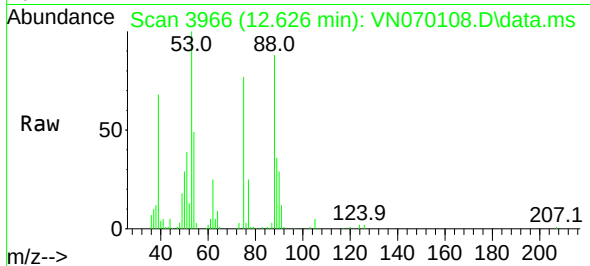
Tgt Ion:105 Resp: 774844
Ion Ratio Lower Upper
105 100
120 47.4 24.6 73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 16.438 ug/l
RT: 12.626 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

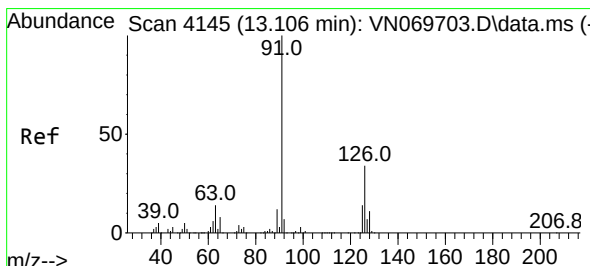
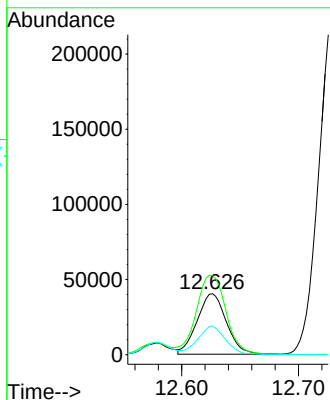
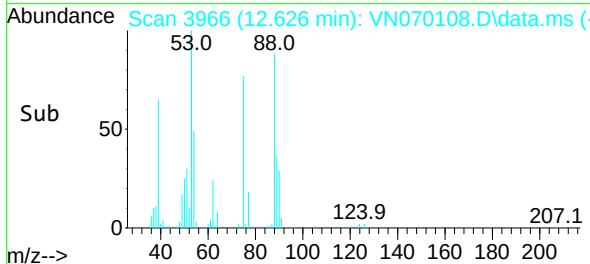
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



Tgt Ion: 75 Resp: 69799
Ion Ratio Lower Upper
75 100
53 133.8 90.5 135.7
89 45.0 38.2 57.4

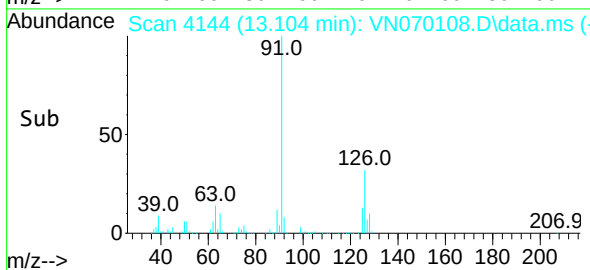
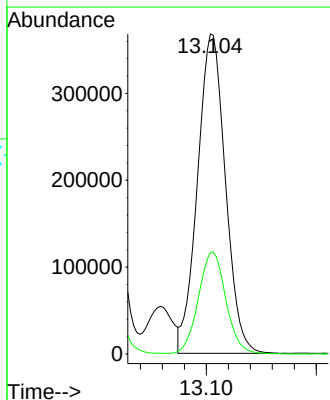
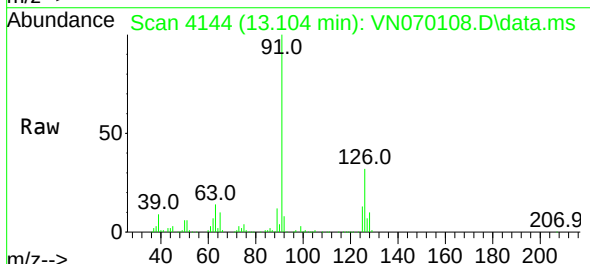
Manual Integrations
APPROVED

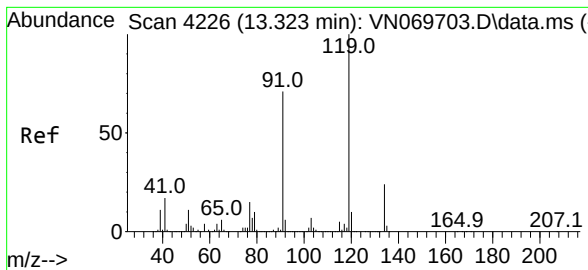
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#82
4-Chlorotoluene
Concen: 18.611 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

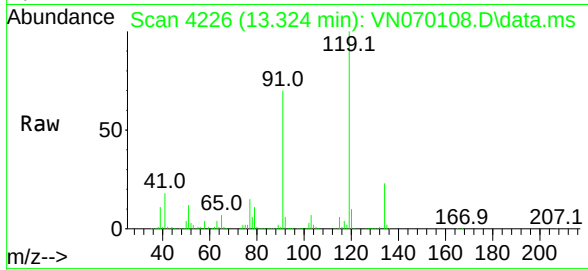
Tgt Ion: 91 Resp: 647450
Ion Ratio Lower Upper
91 100
126 31.7 18.2 54.6





#83
tert-Butylbenzene
Concen: 17.808 ug/l
RT: 13.324 min Scan# 4226
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

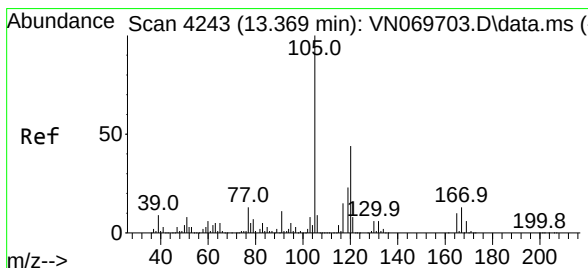
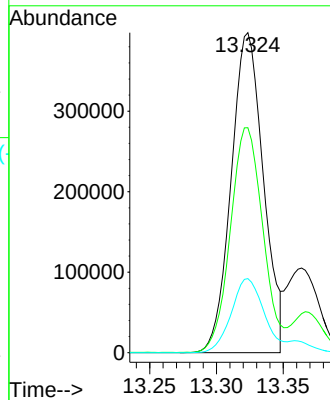
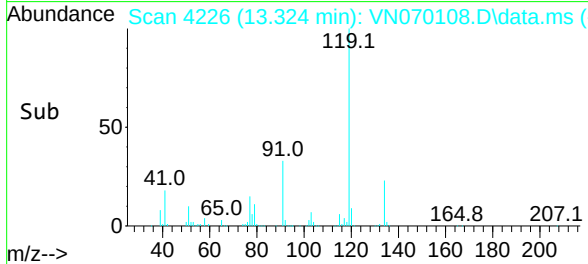
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



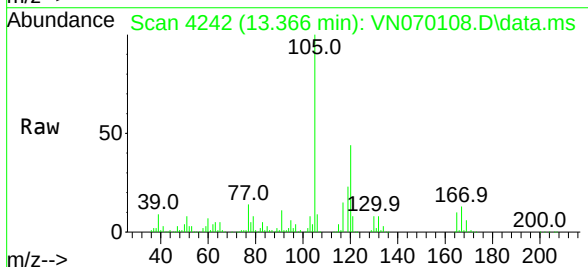
Tgt Ion:119 Resp: 667710
Ion Ratio Lower Upper
119 100
91 70.8 31.5 94.5
134 23.9 12.4 37.4

Manual Integrations
APPROVED

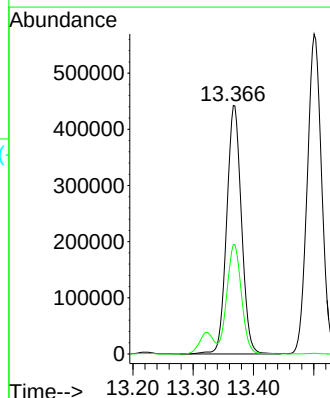
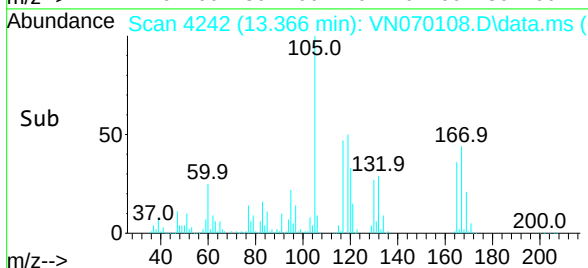
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

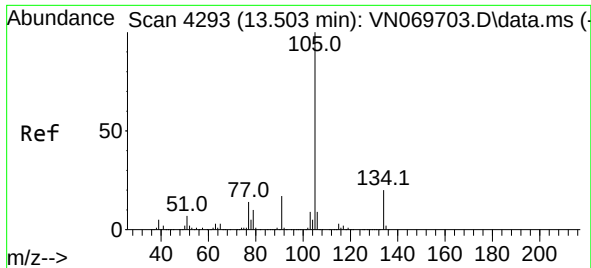


#84
1,2,4-Trimethylbenzene
Concen: 18.667 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35



Tgt Ion:105 Resp: 752802
Ion Ratio Lower Upper
105 100
120 43.8 22.8 68.4





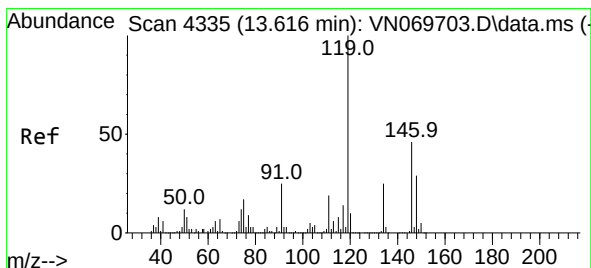
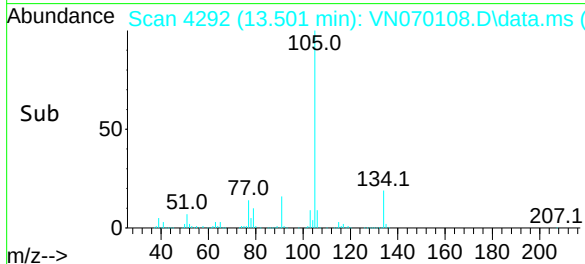
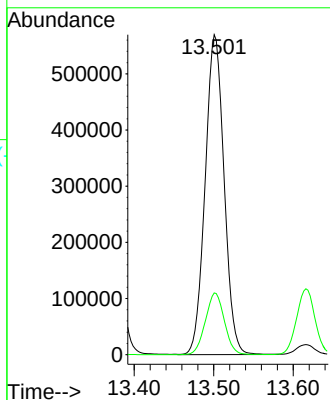
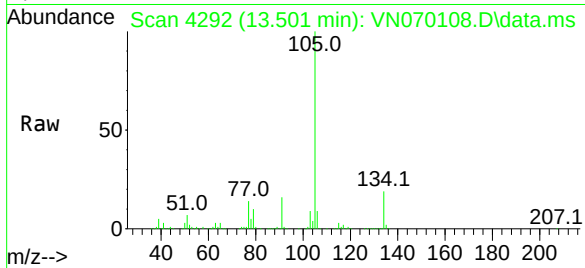
#85
 sec-Butylbenzene
 Concen: 18.545 ug/l
 RT: 13.501 min Scan# 4292
 Delta R.T. -0.003 min
 Lab File: VN070108.D
 Acq: 15 Dec 2021 13:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215WBS01

Tgt Ion:105 Resp: 94318
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.4 31.1

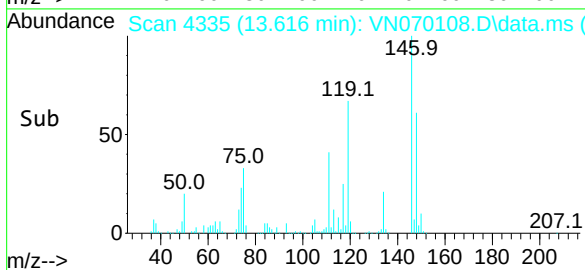
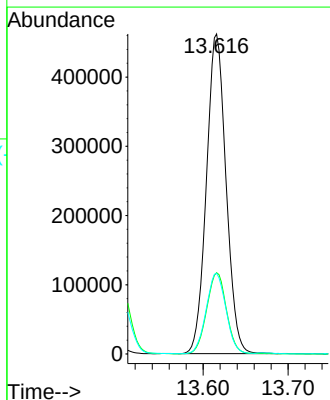
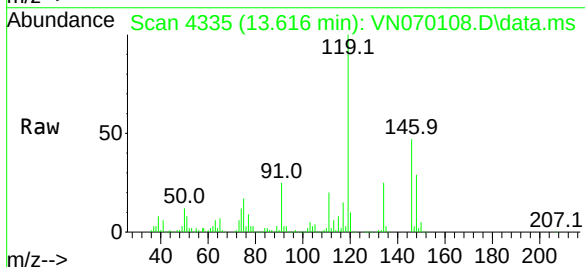
Manual Integrations
 APPROVED

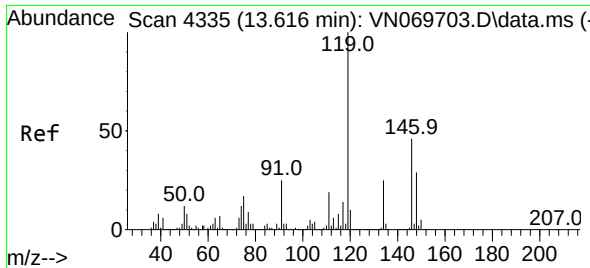
Reviewed By :John Carlone 12/16/2021
 Supervised By :Amit Patel 12/16/2021



#86
 p-Isopropyltoluene
 Concen: 18.613 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070108.D
 Acq: 15 Dec 2021 13:35

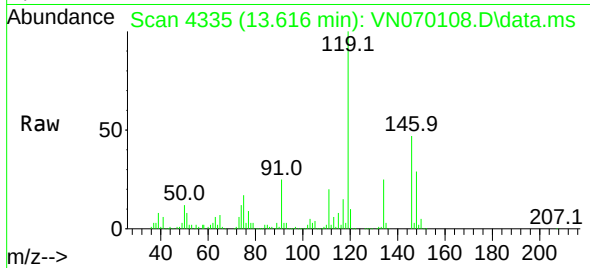
Tgt Ion:119 Resp: 739946
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.6 40.7
 91 25.3 11.4 34.1





#87
 1,3-Dichlorobenzene
 Concen: 18.534 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070108.D
 Acq: 15 Dec 2021 13:35

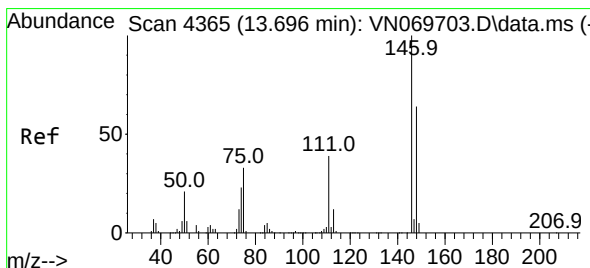
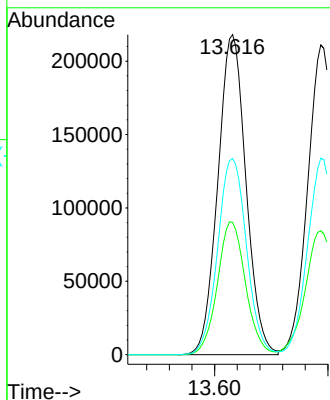
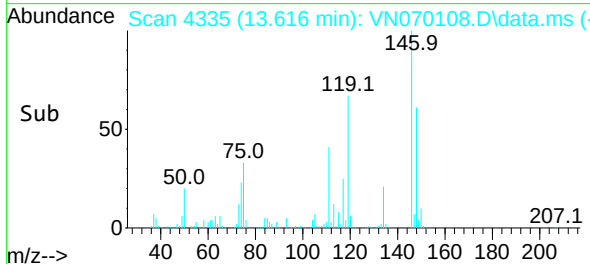
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215WBS01



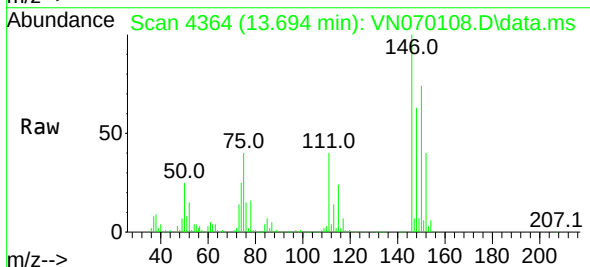
Tgt Ion:146 Resp: 376269
 Ion Ratio Lower Upper
 146 100
 111 41.5 18.6 55.6
 148 63.0 31.6 95.0

Manual Integrations
 APPROVED

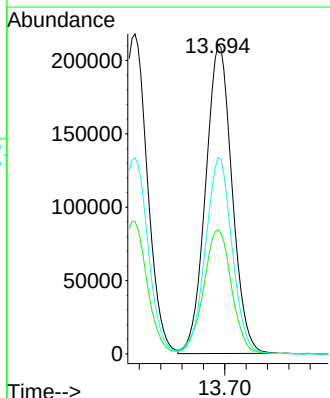
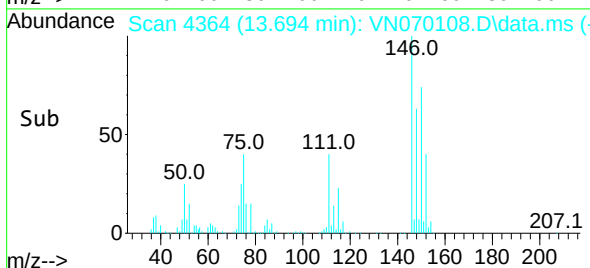
Reviewed By :John Carlone 12/16/2021
 Supervised By :Amit Patel 12/16/2021

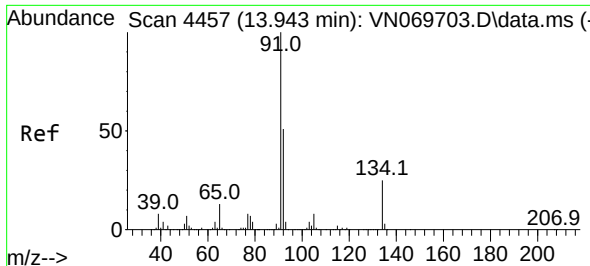


#88
 1,4-Dichlorobenzene
 Concen: 18.154 ug/l
 RT: 13.694 min Scan# 4364
 Delta R.T. -0.003 min
 Lab File: VN070108.D
 Acq: 15 Dec 2021 13:35



Tgt Ion:146 Resp: 362174
 Ion Ratio Lower Upper
 146 100
 111 42.4 18.3 54.8
 148 64.1 31.8 95.4





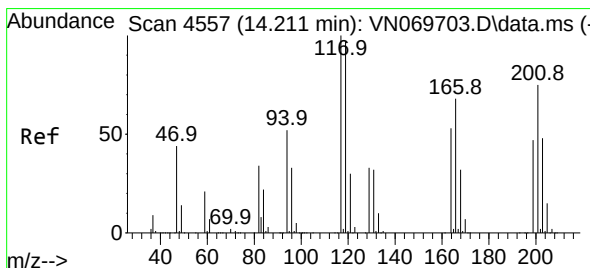
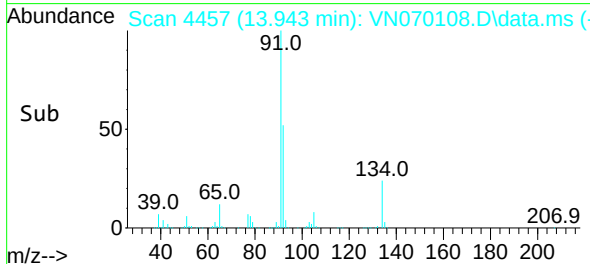
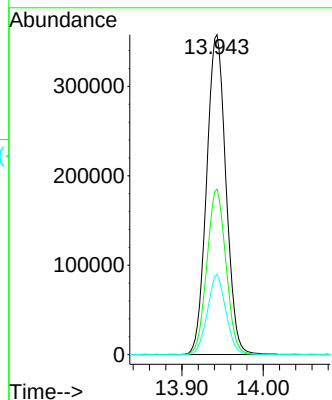
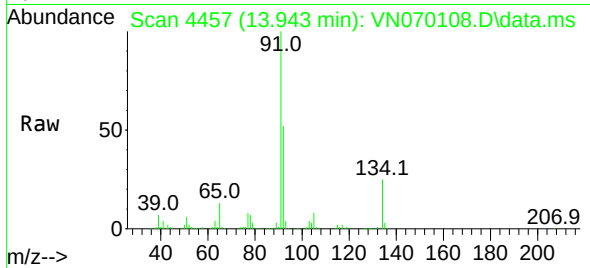
#89
n-Butylbenzene
Concen: 18.268 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01

Tgt Ion: 91 Resp: 589099
Ion Ratio Lower Upper
91 100
92 51.3 25.4 76.0
134 24.1 13.6 40.8

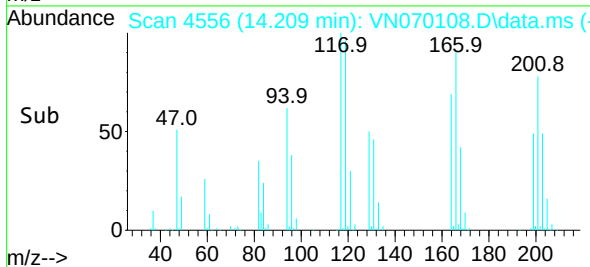
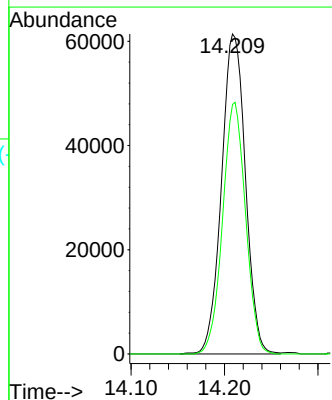
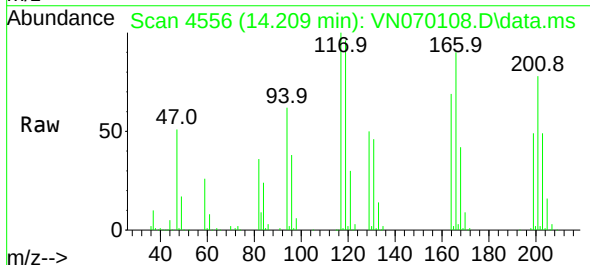
Manual Integrations
APPROVED

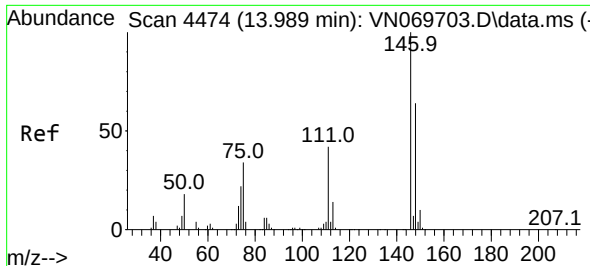
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#90
Hexachloroethane
Concen: 15.665 ug/l
RT: 14.209 min Scan# 4556
Delta R.T. -0.003 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

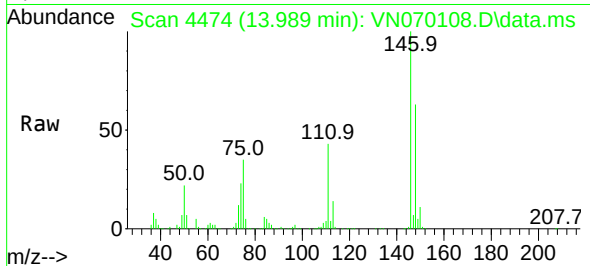
Tgt Ion:117 Resp: 109333
Ion Ratio Lower Upper
117 100
201 75.3 43.9 131.6





#91
1,2-Dichlorobenzene
Concen: 18.629 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

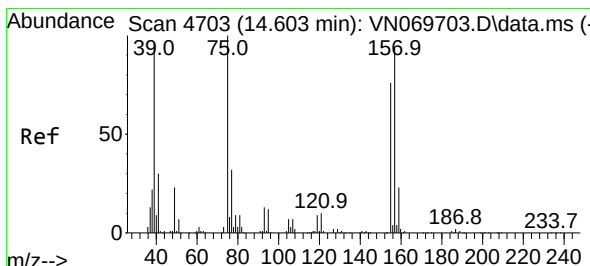
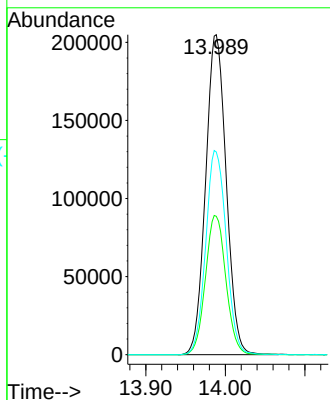
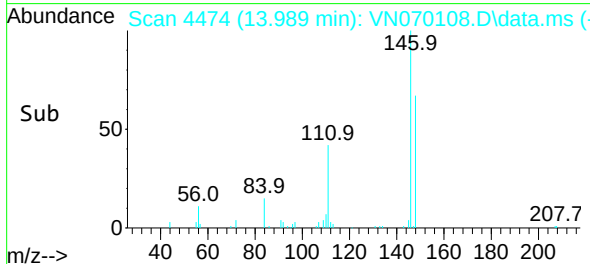
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01



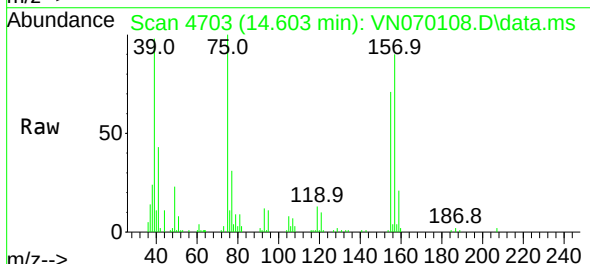
Tgt Ion:146 Resp: 368480
Ion Ratio Lower Upper
146 100
111 43.3 19.1 57.3
148 63.5 32.1 96.3

Manual Integrations
APPROVED

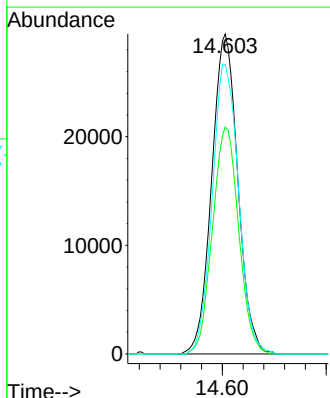
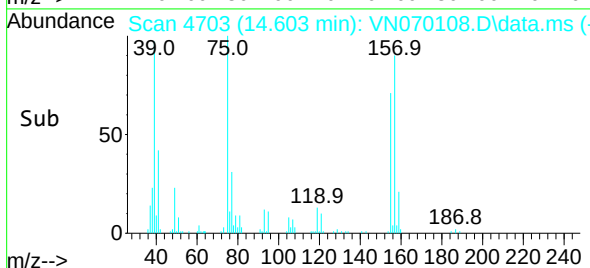
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

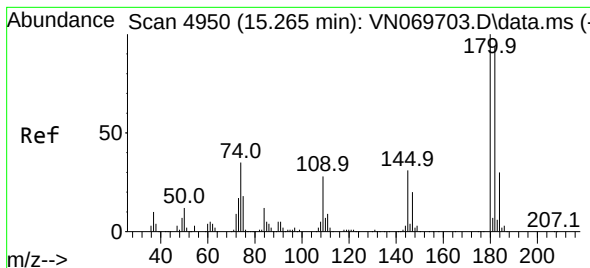


#92
1,2-Dibromo-3-Chloropropane
Concen: 15.652 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35



Tgt Ion: 75 Resp: 51455
Ion Ratio Lower Upper
75 100
155 71.0 46.9 140.7
157 91.4 60.6 181.7





#93

1,2,4-Trichlorobenzene

Concen: 18.213 ug/l

RT: 15.263 min Scan# 4950

Delta R.T. -0.002 min

Lab File: VN070108.D

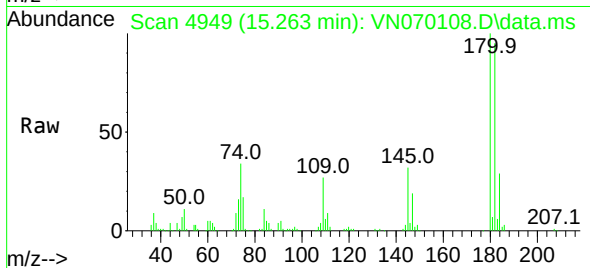
Acq: 15 Dec 2021 13:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBS01



Tgt Ion:180 Resp: 15785

Ion Ratio Lower Upper

180 100

182 95.1 48.3 144.9

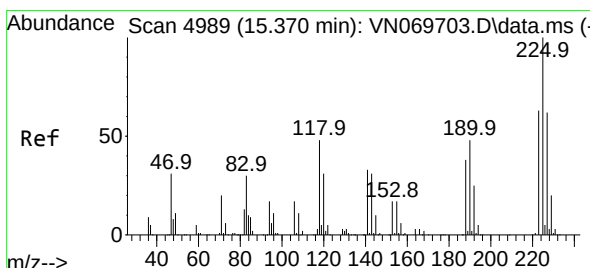
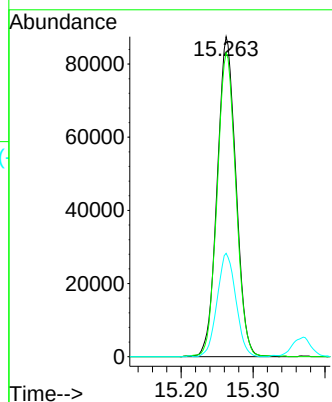
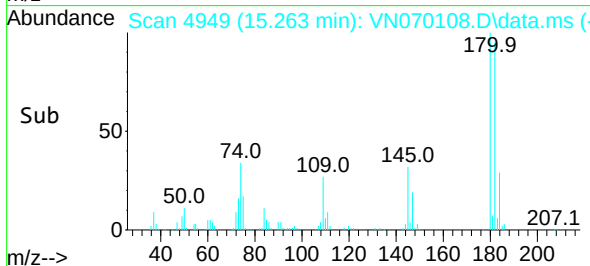
145 32.3 14.5 43.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#94

Hexachlorobutadiene

Concen: 20.186 ug/l

RT: 15.370 min Scan# 4989

Delta R.T. 0.000 min

Lab File: VN070108.D

Acq: 15 Dec 2021 13:35

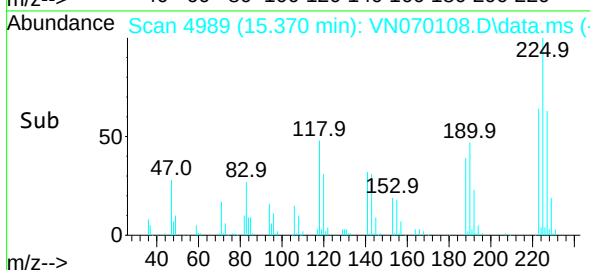
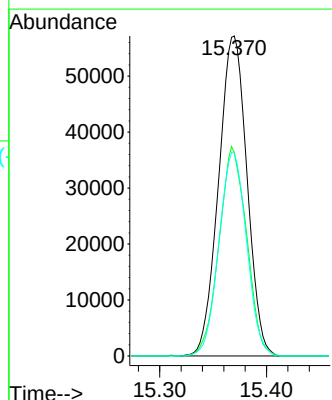
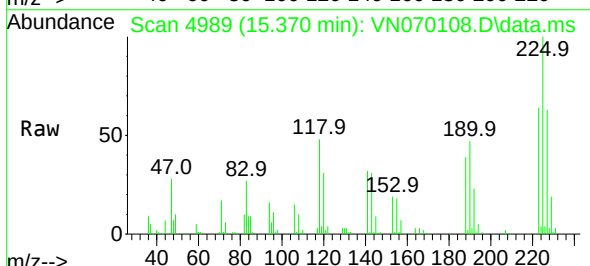
Tgt Ion:225 Resp: 105820

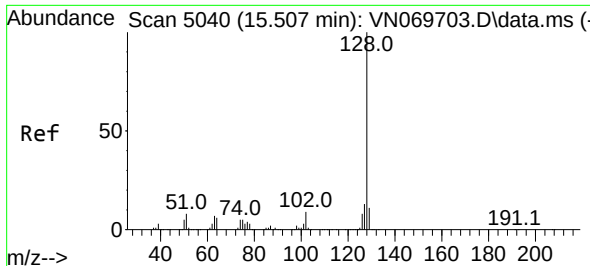
Ion Ratio Lower Upper

225 100

223 63.3 31.9 95.7

227 61.9 32.1 96.3





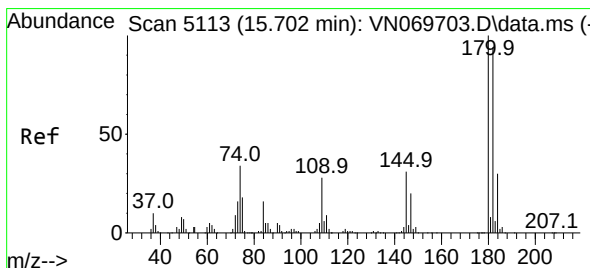
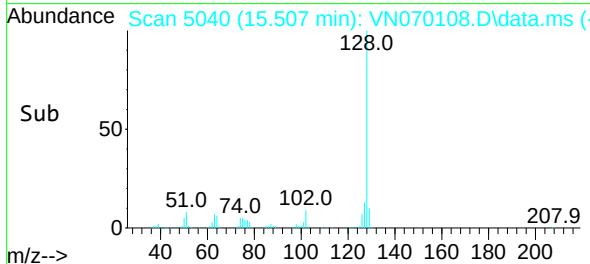
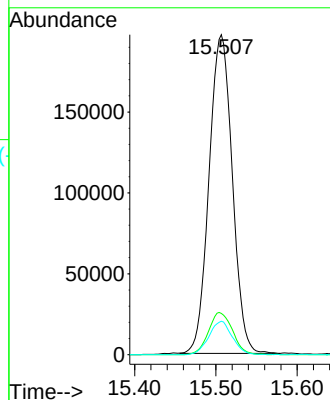
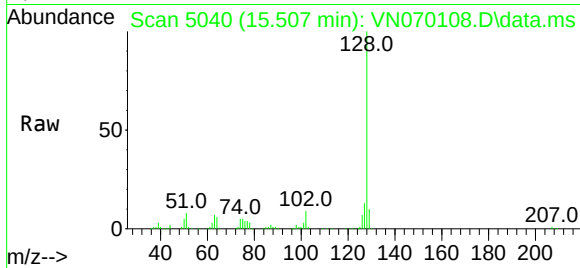
#95
Naphthalene
Concen: 16.459 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215WBS01

Tgt Ion:128 Resp: 391678
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 10.6 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#96
1,2,3-Trichlorobenzene
Concen: 17.806 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN070108.D
Acq: 15 Dec 2021 13:35

Tgt Ion:180 Resp: 152766
Ion Ratio Lower Upper
180 100
182 98.4 47.4 142.2
145 33.6 15.0 45.1

