

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070065.D
 Acq On : 14 Dec 2021 12:31
 Operator : JC/MD
 Sample : VN1214WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2021
 Supervised By : Mahesh Dadoda 12/21/2021

Quant Time: Dec 14 17:09:58 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

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	930934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1494782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1369455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	578822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	697980	48.560	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.120%		
35) Dibromofluoromethane	8.021	113	479894	51.254	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.500%		
50) Toluene-d8	10.440	98	1851718	49.254	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.500%		
62) 4-Bromofluorobenzene	12.731	95	652659	47.919	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	199379	18.363	ug/l	99
3) Chloromethane	2.303	50	245532	18.050	ug/l	98
4) Vinyl Chloride	2.448	62	225333	18.015	ug/l	99
5) Bromomethane	2.853	94	123173	18.126	ug/l	100
6) Chloroethane	3.019	64	135098	17.626	ug/l	97
7) Trichlorofluoromethane	3.373	101	297012	18.093	ug/l	99
8) Diethyl Ether	3.821	74	122625	19.395	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.205	101	185180	20.124	ug/l	96
10) Methyl Iodide	4.422	142	232038	18.458	ug/l	97
11) Tert butyl alcohol	5.377	59	215968	79.489	ug/l #	86
12) 1,1-Dichloroethene	4.178	96	166348	18.759	ug/l	88
13) Acrolein	4.039	56	175334	75.780	ug/l	100
14) Allyl chloride	4.838	41	386500	19.343	ug/l #	91
15) Acrylonitrile	5.554	53	675435	92.257	ug/l	99
16) Acetone	4.288	43	798835	92.389	ug/l	98
17) Carbon Disulfide	4.527	76	438749	19.152	ug/l	100
18) Methyl Acetate	4.857	43	467290	17.905	ug/l	90
19) Methyl tert-butyl Ether	5.621	73	642053	18.621	ug/l	95
20) Methylene Chloride	5.093	84	214156	18.631	ug/l	87
21) trans-1,2-Dichloroethene	5.597	96	179563	18.643	ug/l #	84
22) Diisopropyl ether	6.498	45	804271	20.593	ug/l	94
23) Vinyl Acetate	6.434	43	3033698	95.477	ug/l #	93
24) 1,1-Dichloroethane	6.388	63	400858	19.814	ug/l	98
25) 2-Butanone	7.337	43	1045221	88.971	ug/l	90
26) 2,2-Dichloropropane	7.324	77	284127	18.063	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	216529	18.608	ug/l	84
28) Bromochloromethane	7.657	49	203007	19.296	ug/l #	75
29) Tetrahydrofuran	7.686	42	645753	90.522	ug/l #	86
30) Chloroform	7.817	83	405941	19.868	ug/l	98
31) Cyclohexane	8.094	56	389926	19.493	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	333699	19.173	ug/l	95
36) 1,1-Dichloropropene	8.220	75	284711	20.008	ug/l	97
37) Ethyl Acetate	7.412	43	391468	18.483	ug/l #	95
38) Carbon Tetrachloride	8.204	117	272632	19.538	ug/l	96
39) Methylcyclohexane	9.459	83	329105	19.444	ug/l #	87
40) Benzene	8.458	78	872794	20.066	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	189852	19.095	ug/l	90
42) 1,2-Dichloroethane	8.531	62	345992	19.706	ug/l	97
43) Isopropyl Acetate	8.560	43	585552	18.683	ug/l #	94
44) Trichloroethene	9.215	130	200429	19.307	ug/l	89
45) 1,2-Dichloropropane	9.488	63	237516	20.335	ug/l	98
46) Dibromomethane	9.577	93	153842	20.083	ug/l	92
47) Bromodichloromethane	9.762	83	311978	21.511	ug/l	98
48) Methyl methacrylate	9.558	41	271960	18.594	ug/l	84
49) 1,4-Dioxane	9.569	88	94043	358.334	ug/l #	83
51) 4-Methyl-2-Pentanone	10.330	43	1978102	97.288	ug/l	94
52) Toluene	10.505	92	535433	20.164	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	296695	18.850	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	331472	19.378	ug/l #	88
55) 1,1,2-Trichloroethane	10.899	97	212959	19.876	ug/l	95
56) Ethyl methacrylate	10.762	69	333923	18.044	ug/l #	87
57) 1,3-Dichloropropane	11.044	76	377340	20.002	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	324598	73.473	ug/l	90
59) 2-Hexanone	11.087	43	1411111	91.745	ug/l	92
60) Dibromochloromethane	11.237	129	218421	20.499	ug/l	99
61) 1,2-Dibromoethane	11.344	107	210219	18.943	ug/l	96
64) Tetrachloroethene	10.977	164	180422	19.430	ug/l	94
65) Chlorobenzene	11.771	112	548298	19.736	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	200650	20.520	ug/l	99
67) Ethyl Benzene	11.843	91	1020449	20.221	ug/l	96
68) m/p-Xylenes	11.953	106	751574	40.902	ug/l	92
69) o-Xylene	12.280	106	365181	19.730	ug/l	90
70) Styrene	12.294	104	594354	20.251	ug/l	95
71) Bromoform	12.457	173	156921	20.469	ug/l #	100
73) Isopropylbenzene	12.578	105	975822	18.948	ug/l	98
74) N-amyl acetate	12.388	43	389978	17.123	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	339751	19.078	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	306808m	18.483	ug/l	
77) Bromobenzene	12.860	156	226091	18.691	ug/l	78
78) n-propylbenzene	12.921	91	1107872	19.332	ug/l	96
79) 2-Chlorotoluene	13.007	91	692544	19.125	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	797373	19.237	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	79182	18.405	ug/l	88
82) 4-Chlorotoluene	13.104	91	659841	19.376	ug/l	91
83) tert-Butylbenzene	13.324	119	685729	18.683	ug/l	92
84) 1,2,4-Trimethylbenzene	13.369	105	786129	19.914	ug/l	96
85) sec-Butylbenzene	13.501	105	957321	19.229	ug/l	97
86) p-Isopropyltoluene	13.616	119	749204	19.253	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	380585	19.151	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	368943	18.892	ug/l	96
89) n-Butylbenzene	13.943	91	587453	18.610	ug/l	97
90) Hexachloroethane	14.209	117	132733	19.428	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	374714	19.352	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	56837	17.662	ug/l	74
93) 1,2,4-Trichlorobenzene	15.263	180	153776	18.139	ug/l	98
94) Hexachlorobutadiene	15.370	225	100481	19.581	ug/l	99
95) Naphthalene	15.507	128	370582	16.042	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	149897	17.843	ug/l	97

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ClientSampleId :
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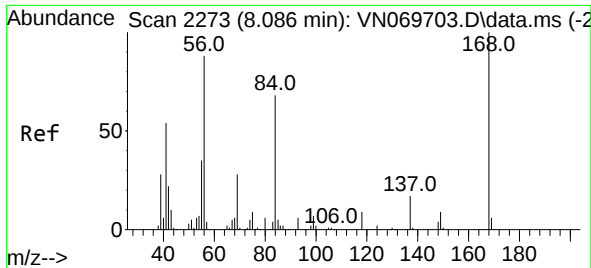
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

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



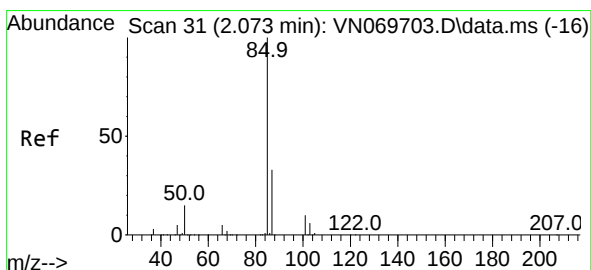
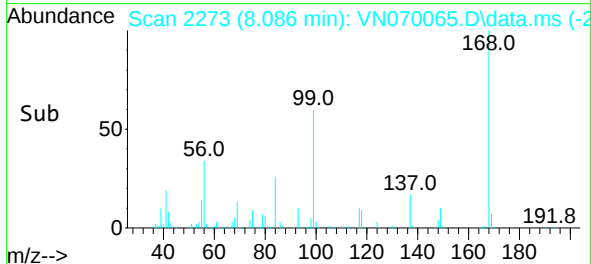
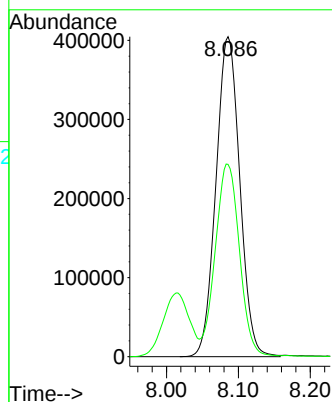
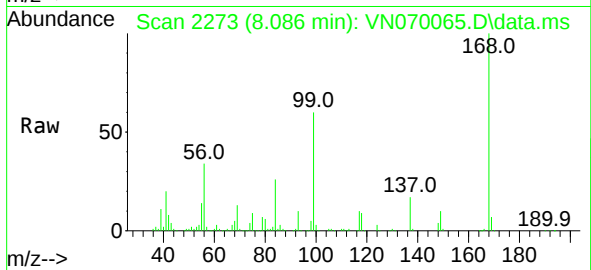
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070065.D
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ClientSampleId :
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Tgt Ion:168 Resp: 930934
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9

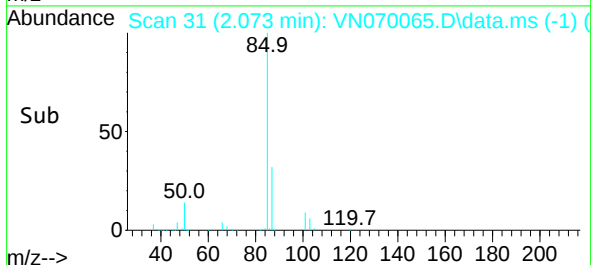
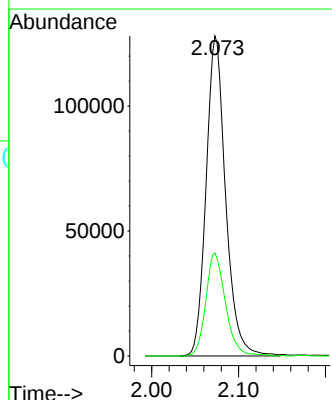
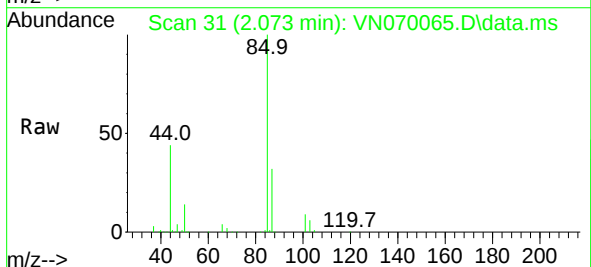
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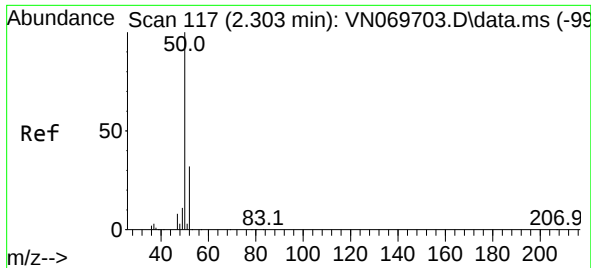
Reviewed By :John Carlone 12/15/2021
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#2
Dichlorodifluoromethane
Concen: 18.363 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

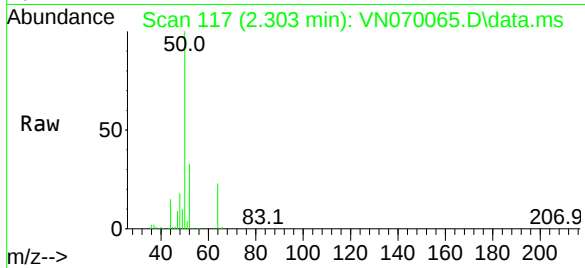
Tgt Ion: 85 Resp: 199379
Ion Ratio Lower Upper
85 100
87 32.2 16.3 48.9





#3
Chloromethane
Concen: 18.050 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

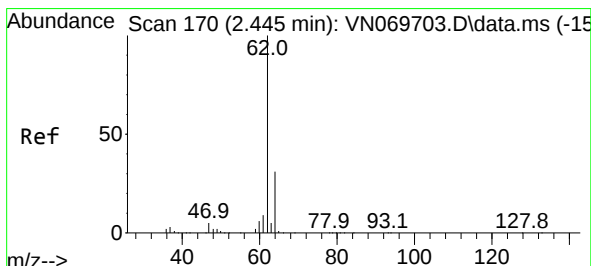
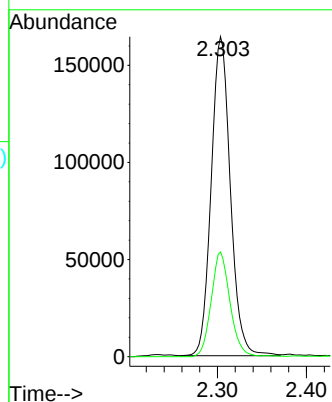
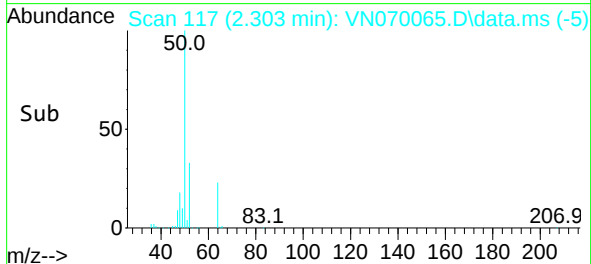
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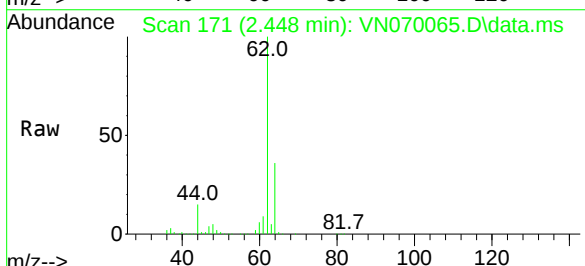
Tgt Ion: 50 Resp: 245532
Ion Ratio Lower Upper
50 100
52 32.8 25.4 38.0

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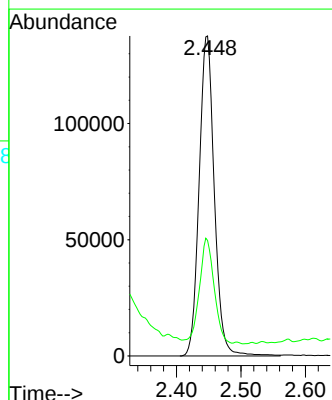
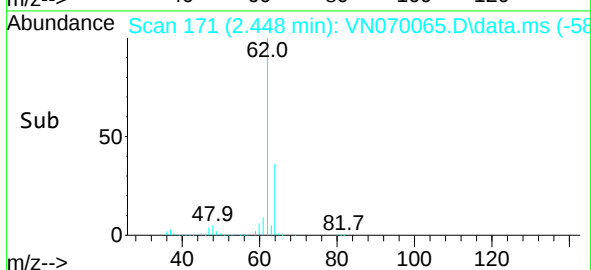
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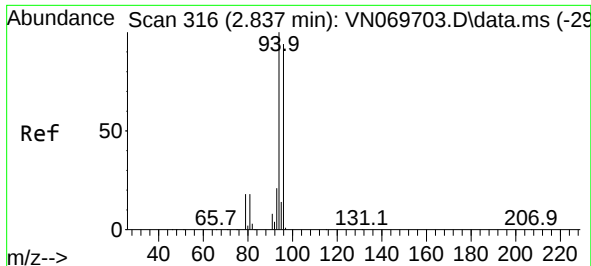


#4
Vinyl Chloride
Concen: 18.015 ug/l
RT: 2.448 min Scan# 171
Delta R.T. 0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31



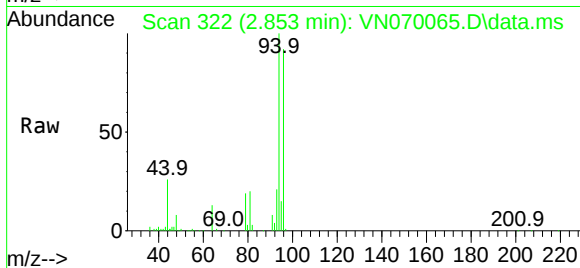
Tgt Ion: 62 Resp: 225333
Ion Ratio Lower Upper
62 100
64 31.7 25.8 38.6





#5
Bromomethane
Concen: 18.126 ug/l
RT: 2.853 min Scan# 316
Delta R.T. 0.016 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

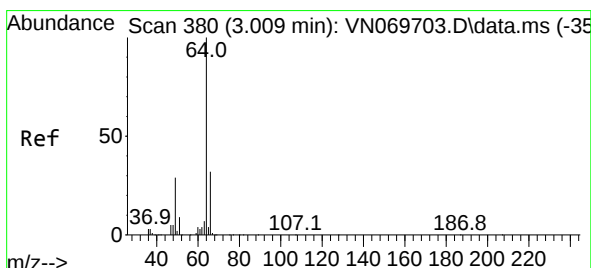
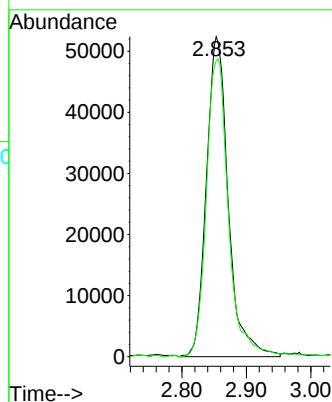
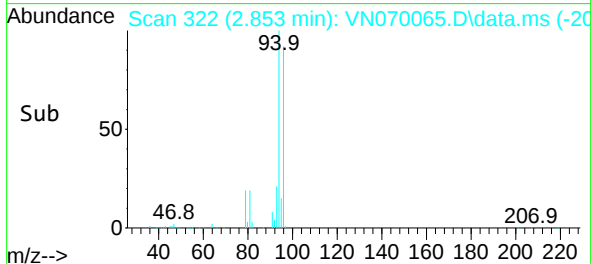
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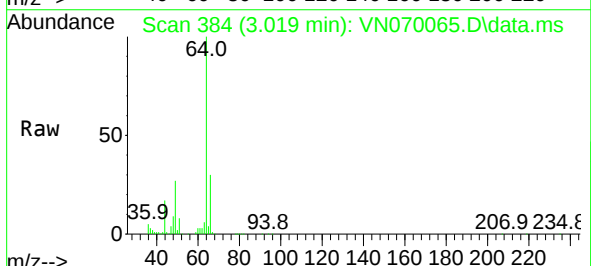
Tgt Ion: 94 Resp: 12317
Ion Ratio Lower Upper
94 100
96 92.4 73.8 110.8

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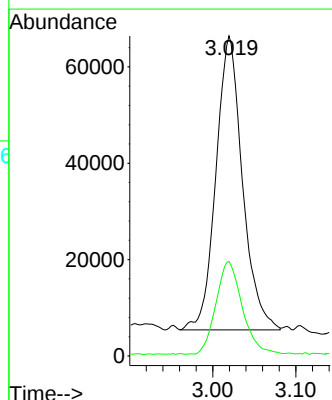
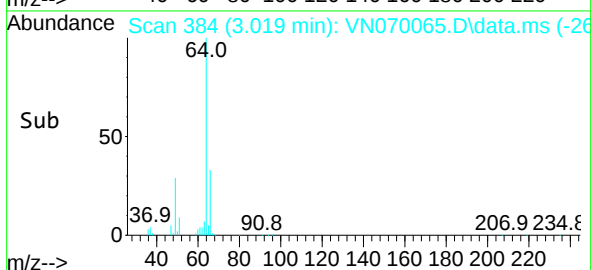
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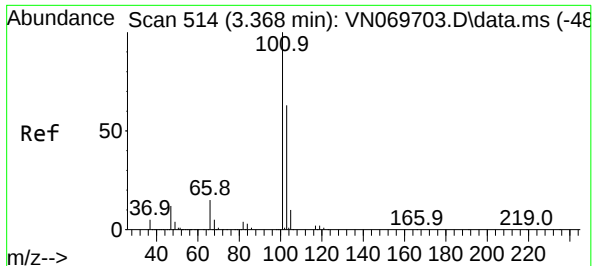


#6
Chloroethane
Concen: 17.626 ug/l
RT: 3.019 min Scan# 384
Delta R.T. 0.011 min
Lab File: VN070065.D
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Tgt Ion: 64 Resp: 135098
Ion Ratio Lower Upper
64 100
66 31.4 26.3 39.5





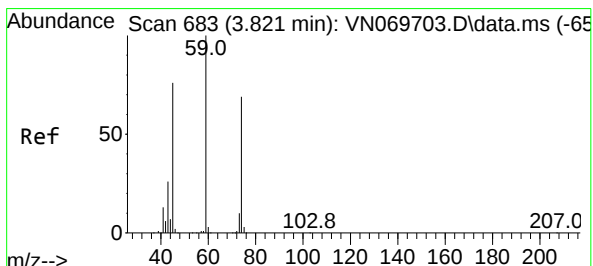
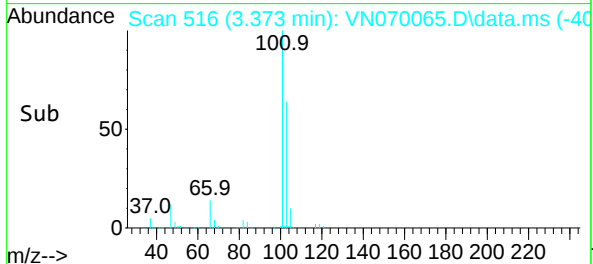
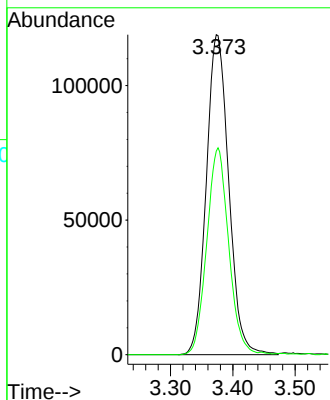
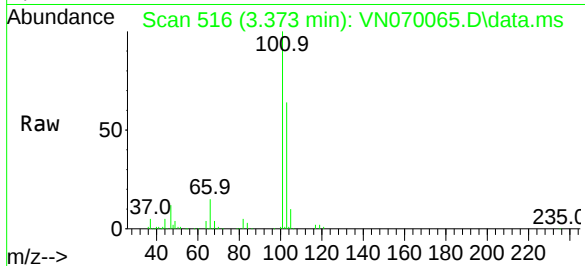
#7
 Trichlorofluoromethane
 Concen: 18.093 ug/l
 RT: 3.373 min Scan# 514
 Delta R.T. 0.006 min
 Lab File: VN070065.D
 Acq: 14 Dec 2021 12:31

Instrument :
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Tgt Ion:101 Resp: 297012
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.1 75.1

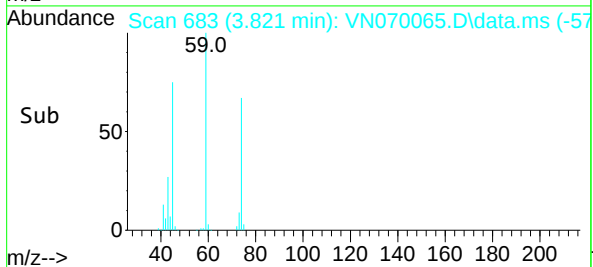
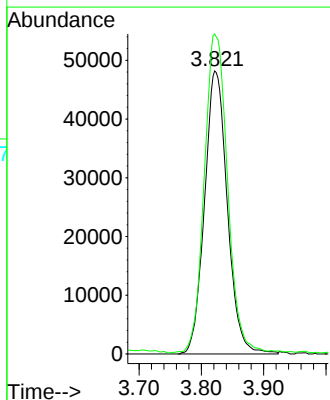
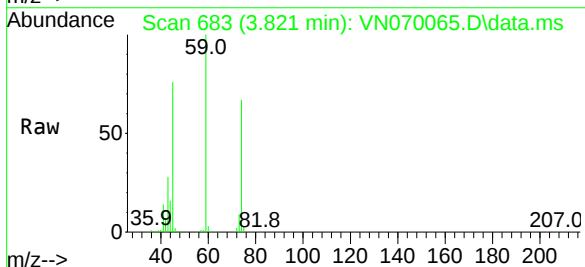
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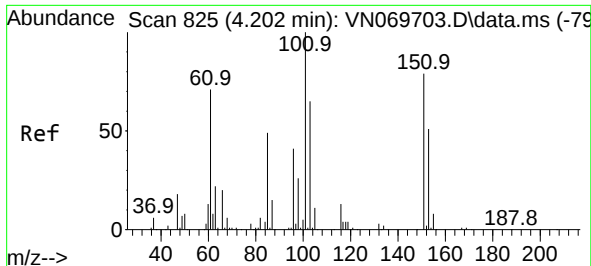
Reviewed By :John Carlone 12/15/2021
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#8
 Diethyl Ether
 Concen: 19.395 ug/l
 RT: 3.821 min Scan# 683
 Delta R.T. 0.000 min
 Lab File: VN070065.D
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Tgt Ion: 74 Resp: 122625
 Ion Ratio Lower Upper
 74 100
 45 114.9 47.0 141.2





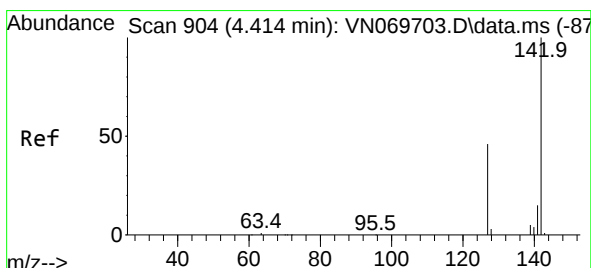
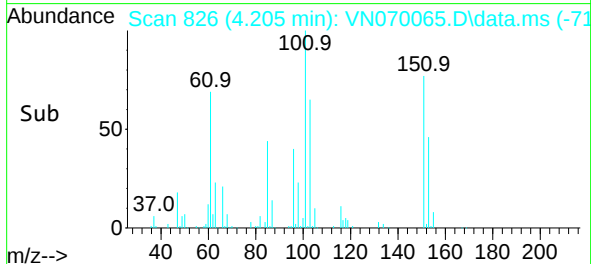
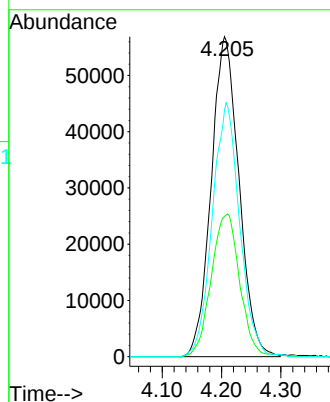
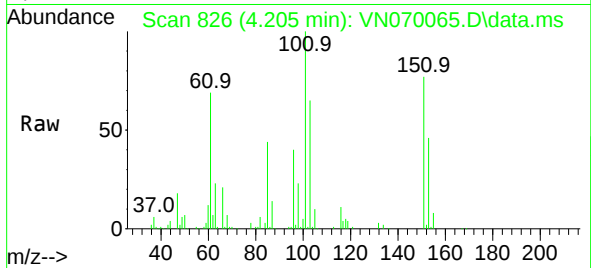
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.124 ug/l
RT: 4.205 min Scan# 825
Delta R.T. 0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01

Tgt Ion:101 Resp: 185180
Ion Ratio Lower Upper
101 100
85 45.5 37.2 55.8
151 77.8 65.9 98.9

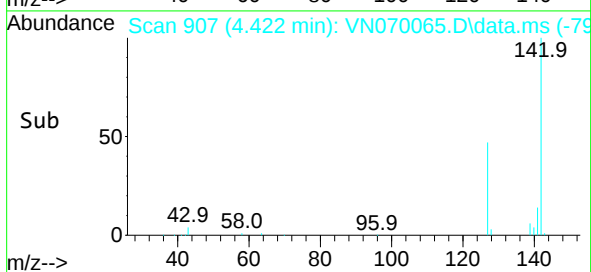
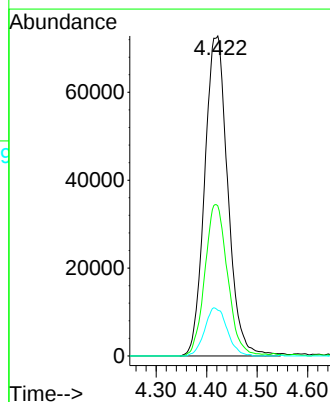
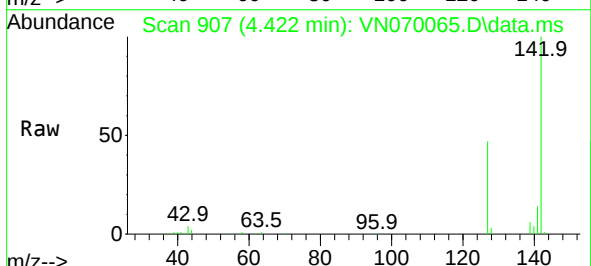
Manual Integrations
APPROVED

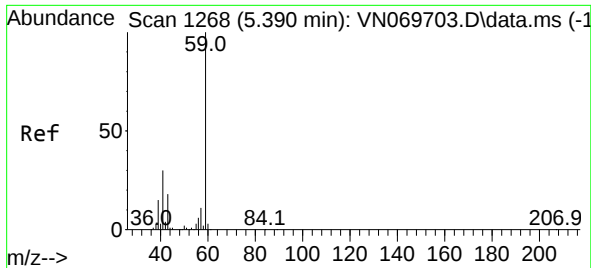
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#10
Methyl Iodide
Concen: 18.458 ug/l
RT: 4.422 min Scan# 907
Delta R.T. 0.008 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

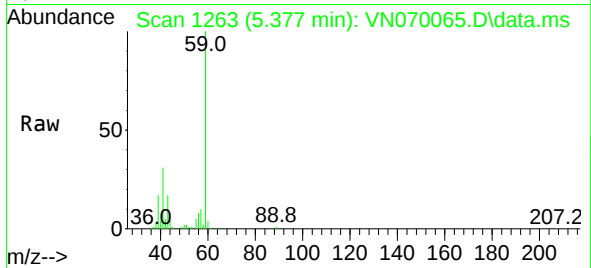
Tgt Ion:142 Resp: 232038
Ion Ratio Lower Upper
142 100
127 46.5 35.4 53.0
141 14.6 11.6 17.4





#11
Tert butyl alcohol
Concen: 79.489 ug/l
RT: 5.377 min Scan# 11
Delta R.T. -0.013 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

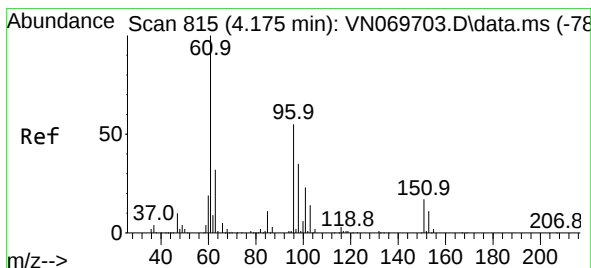
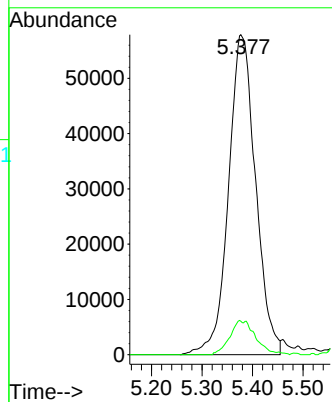
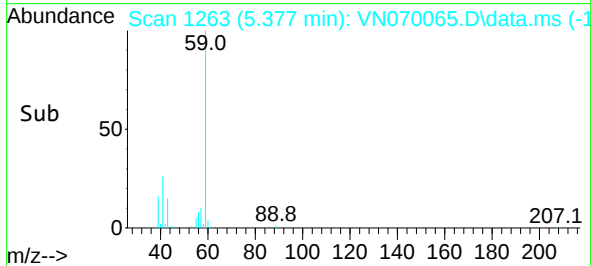
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



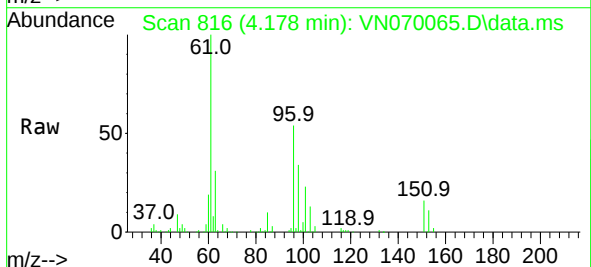
Tgt Ion: 59 Resp: 215968
Ion Ratio Lower Upper
59 100
57 5.4 8.7 13.1

Manual Integrations
APPROVED

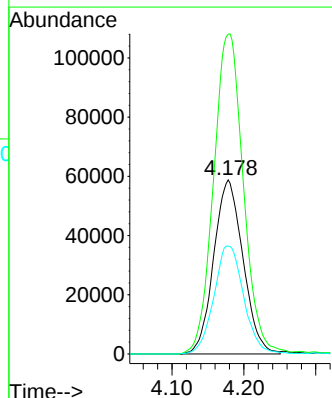
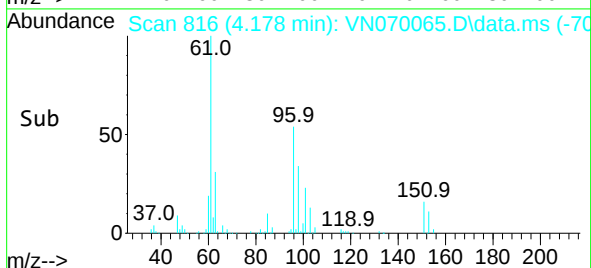
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021

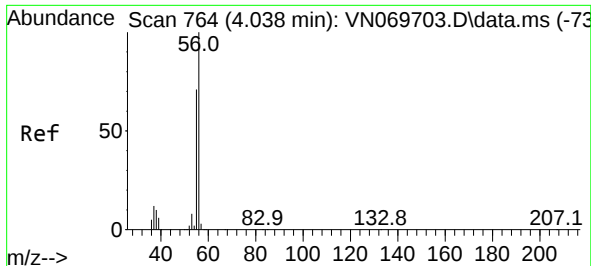


#12
1,1-Dichloroethene
Concen: 18.759 ug/l
RT: 4.178 min Scan# 816
Delta R.T. 0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31



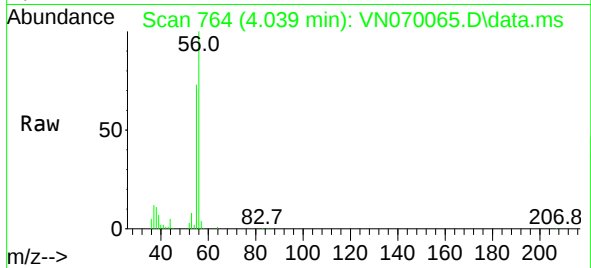
Tgt Ion: 96 Resp: 166348
Ion Ratio Lower Upper
96 100
61 183.7 131.0 196.6
98 61.9 52.4 78.6





#13
Acrolein
Concen: 75.780 ug/l
RT: 4.039 min Scan# 764
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

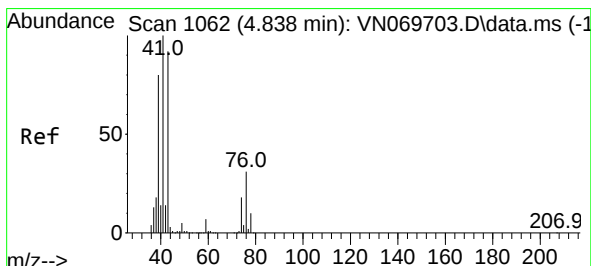
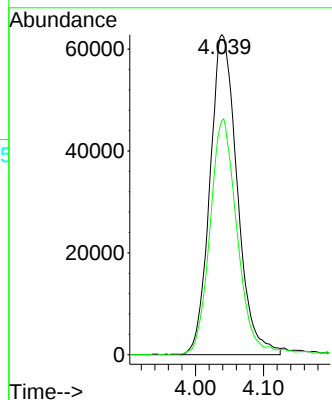
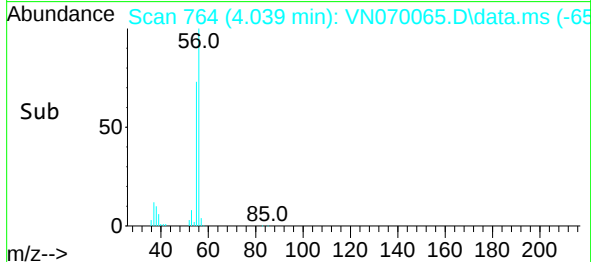
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



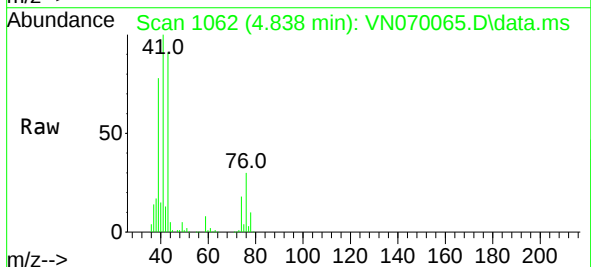
Tgt Ion: 56 Resp: 175334
Ion Ratio Lower Upper
56 100
55 71.2 56.6 85.0

Manual Integrations
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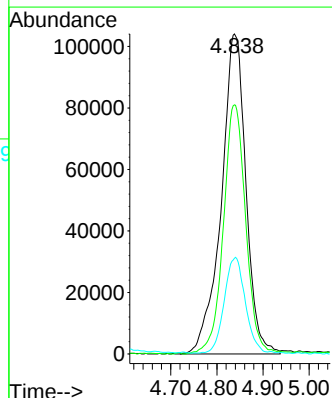
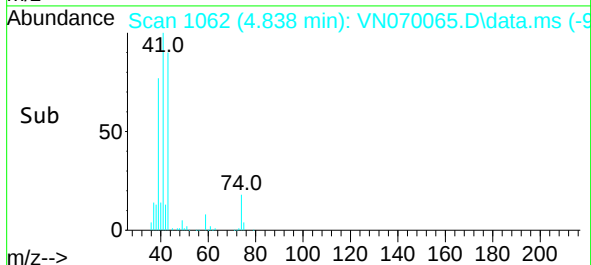
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021

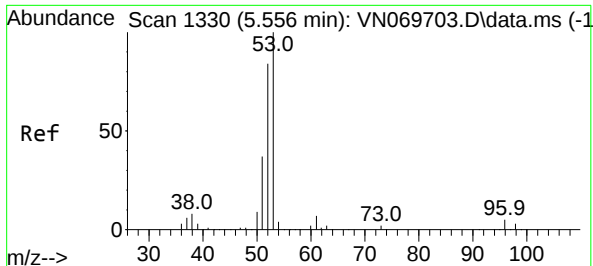


#14
Allyl chloride
Concen: 19.343 ug/l
RT: 4.838 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31



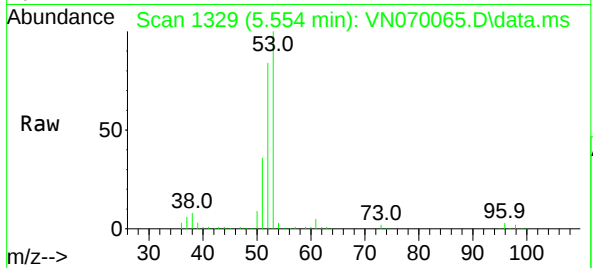
Tgt Ion: 41 Resp: 386500
Ion Ratio Lower Upper
41 100
39 70.5 61.2 91.8
76 25.4 26.0 39.0





#15
Acrylonitrile
Concen: 92.257 ug/l
RT: 5.554 min Scan# 11
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

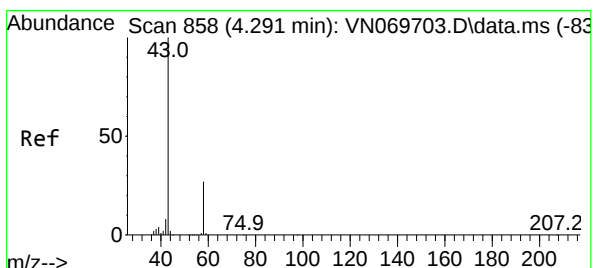
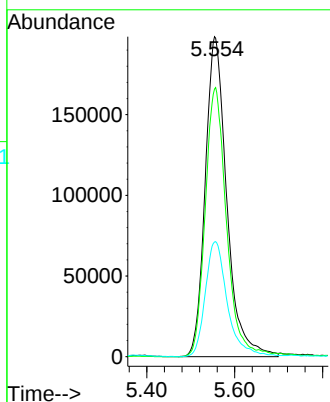
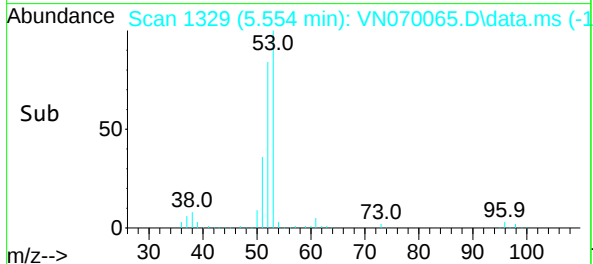
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion: 53 Resp: 675435
Ion Ratio Lower Upper
53 100
52 82.1 66.2 99.2
51 37.0 29.6 44.4

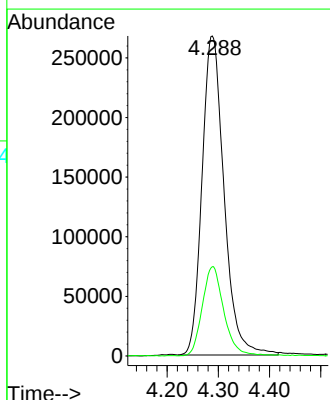
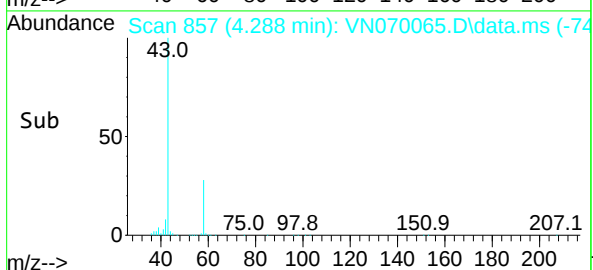
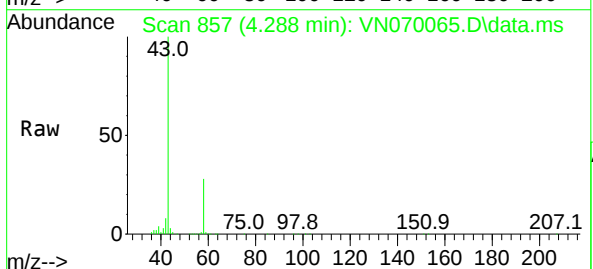
Manual Integrations
APPROVED

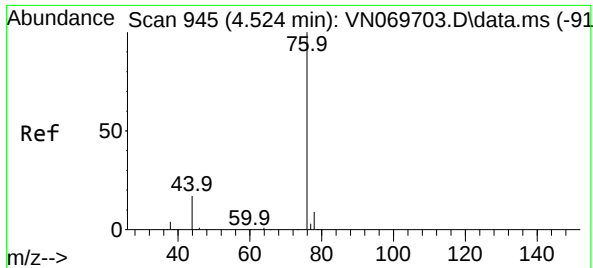
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#16
Acetone
Concen: 92.389 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

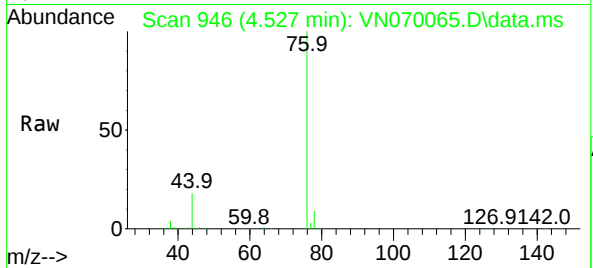
Tgt Ion: 43 Resp: 798835
Ion Ratio Lower Upper
43 100
58 27.9 23.1 34.7





#17
Carbon Disulfide
Concen: 19.152 ug/l
RT: 4.527 min Scan# 945
Delta R.T. 0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

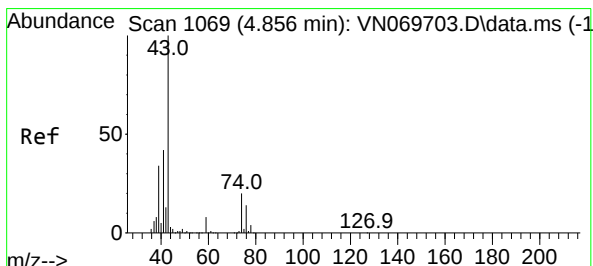
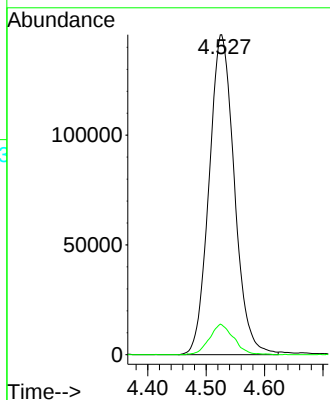
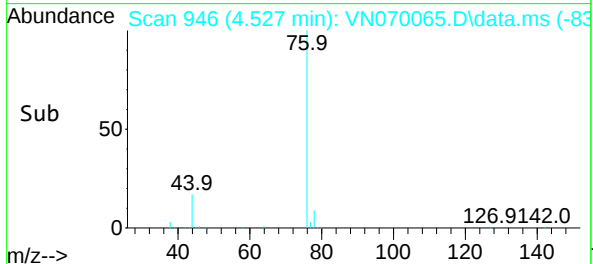
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion: 76 Resp: 438749
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3

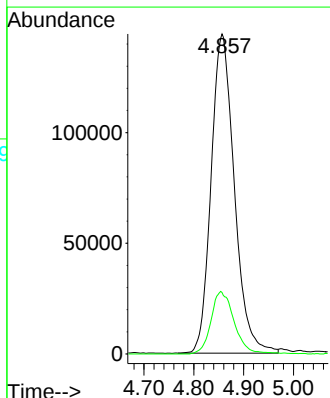
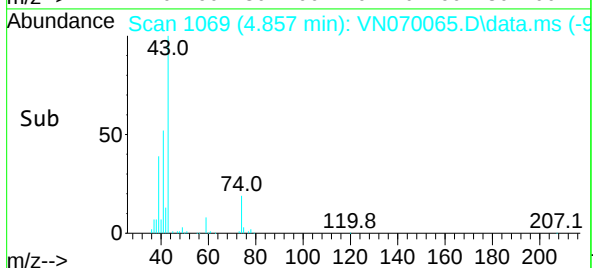
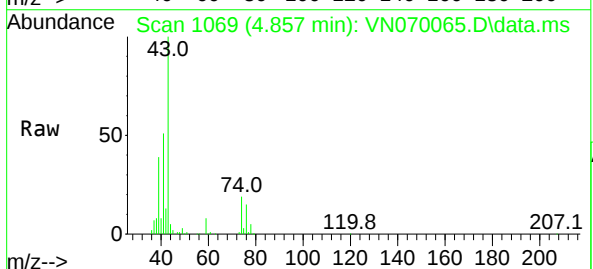
Manual Integrations
APPROVED

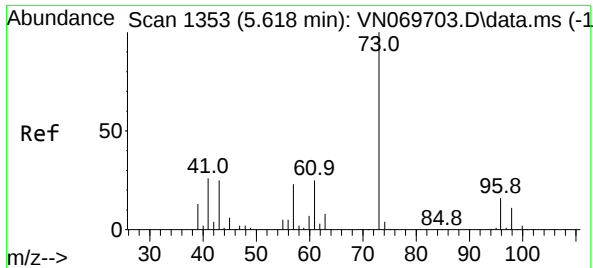
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#18
Methyl Acetate
Concen: 17.905 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Tgt Ion: 43 Resp: 467290
Ion Ratio Lower Upper
43 100
74 19.5 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 18.621 ug/l

RT: 5.621 min Scan# 11354

Delta R.T. 0.003 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS01

Tgt Ion: 73 Resp: 64205

Ion Ratio Lower Upper

73 100

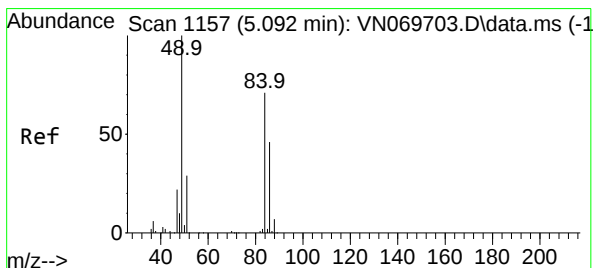
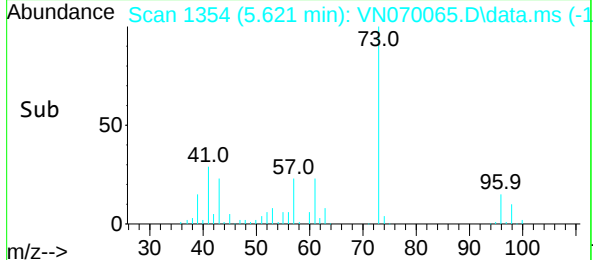
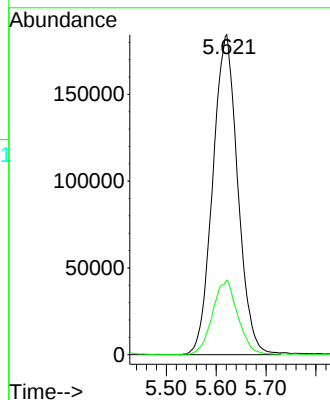
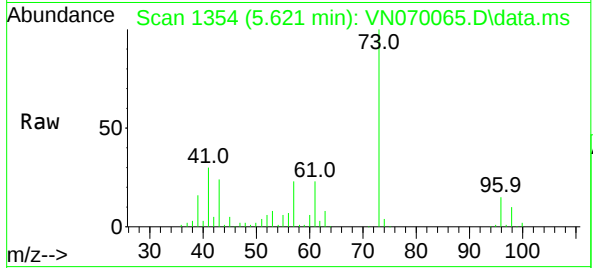
57 23.2 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2021

Supervised By :Mahesh Dadoda 12/21/2021



#20

Methylene Chloride

Concen: 18.631 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. 0.000 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Tgt Ion: 84 Resp: 214156

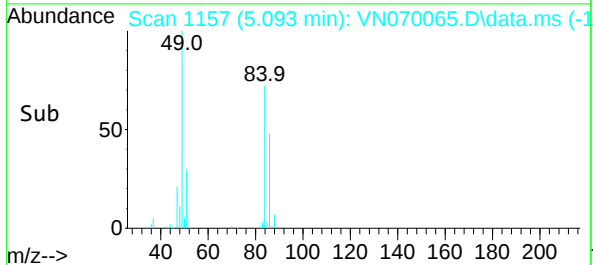
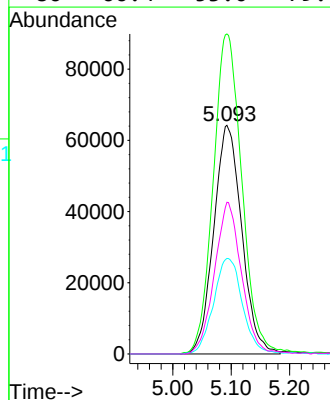
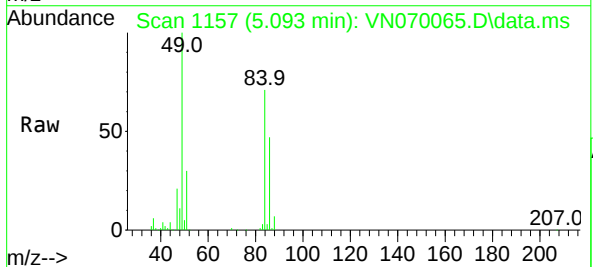
Ion Ratio Lower Upper

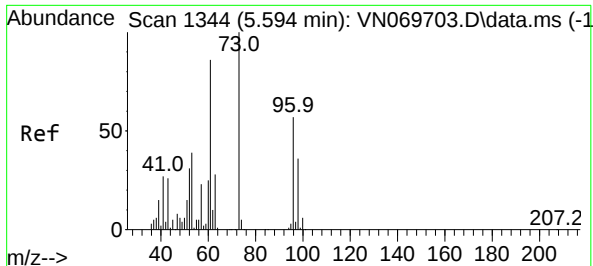
84 100

49 140.0 93.5 140.3

51 41.8 29.4 44.2

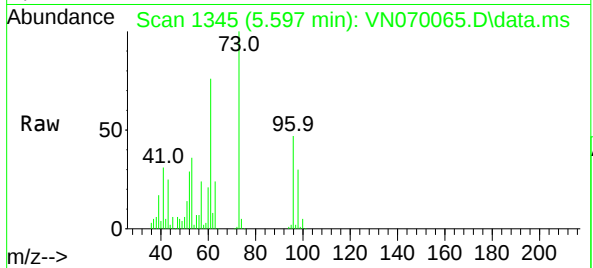
86 66.4 53.0 79.4





#21
trans-1,2-Dichloroethene
Concen: 18.643 ug/l
RT: 5.597 min Scan# 11
Delta R.T. 0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

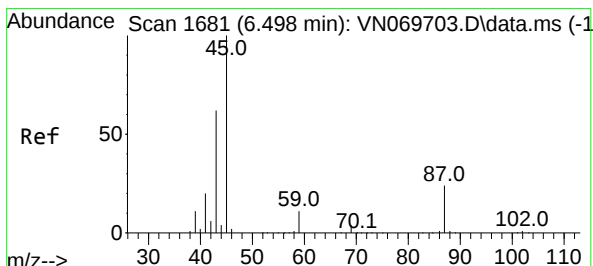
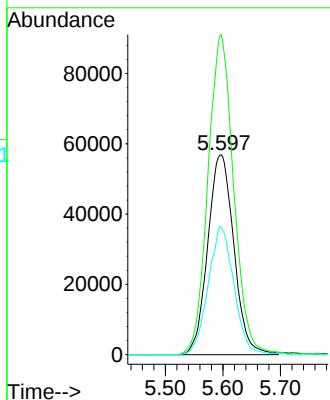
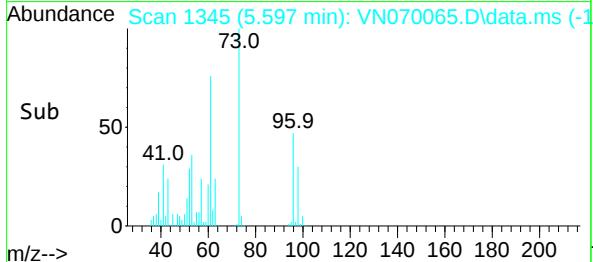
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion: 96 Resp: 17956
Ion Ratio Lower Upper
96 100
61 160.2 105.8 158.6
98 63.8 52.0 78.0

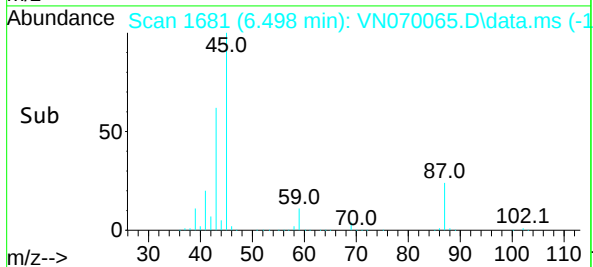
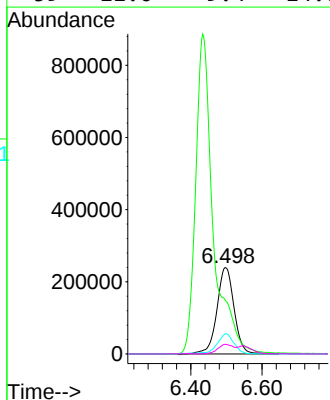
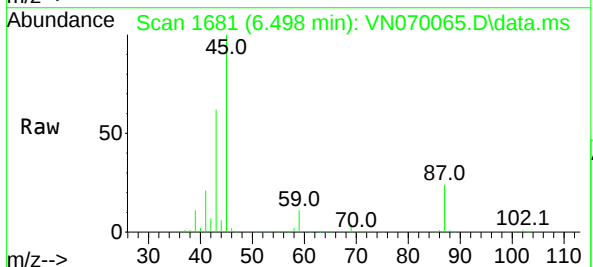
Manual Integrations
APPROVED

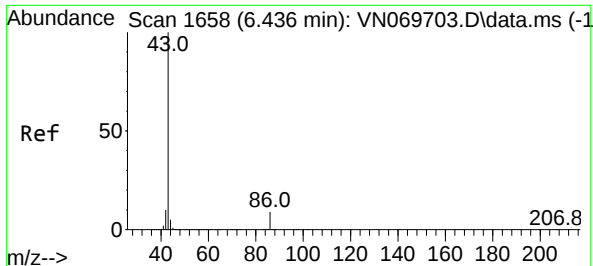
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#22
Diisopropyl ether
Concen: 20.593 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Tgt Ion: 45 Resp: 804271
Ion Ratio Lower Upper
45 100
43 61.4 51.7 77.5
87 23.6 23.2 34.8
59 11.0 9.4 14.0





#23

Vinyl Acetate

Concen: 95.477 ug/l

RT: 6.434 min Scan# 1657

Delta R.T. -0.003 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS01

Tgt Ion: 43 Resp: 3033698

Ion Ratio Lower Upper

43 100

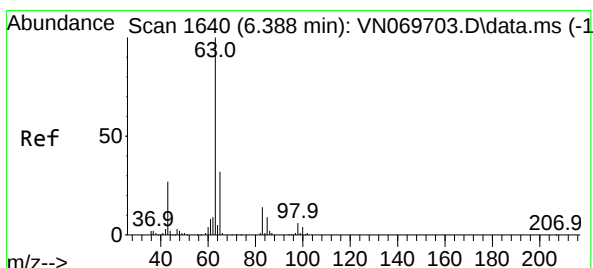
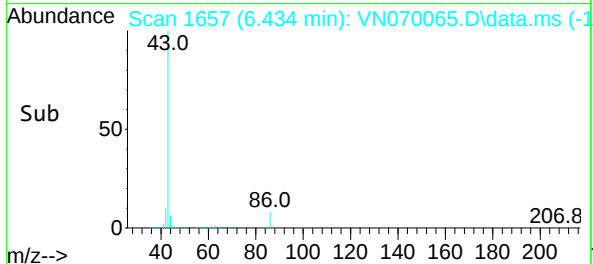
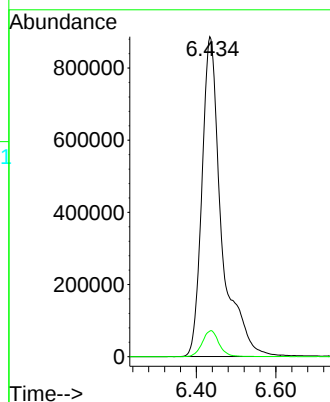
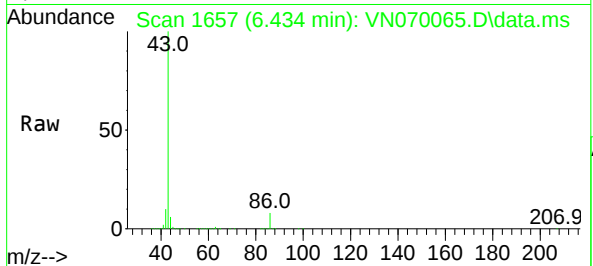
86 8.0 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2021

Supervised By :Mahesh Dadoda 12/21/2021



#24

1,1-Dichloroethane

Concen: 19.814 ug/l

RT: 6.388 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

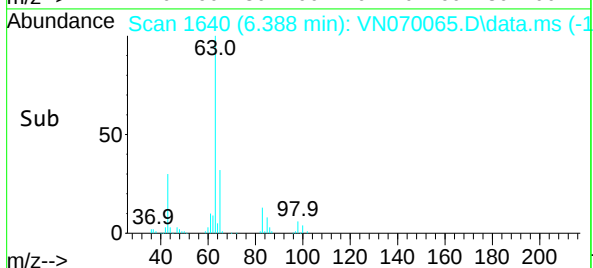
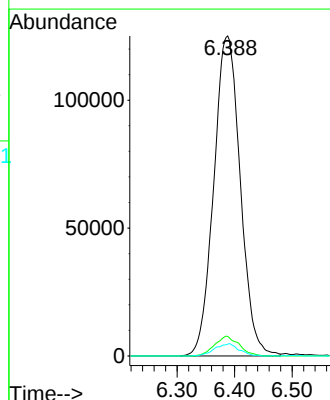
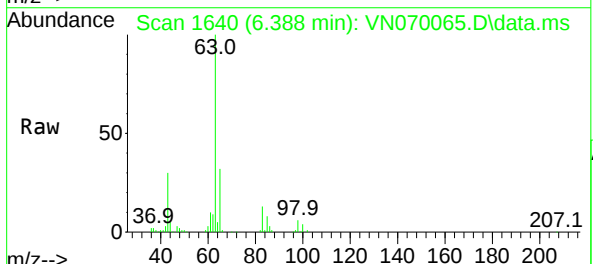
Tgt Ion: 63 Resp: 400858

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

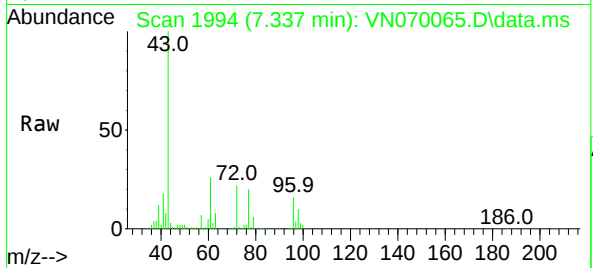
100 3.7 2.1 6.5





#25
2-Butanone
Concen: 88.971 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

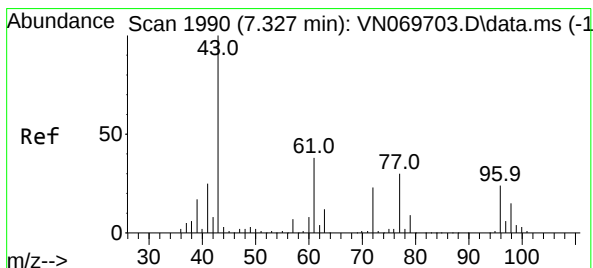
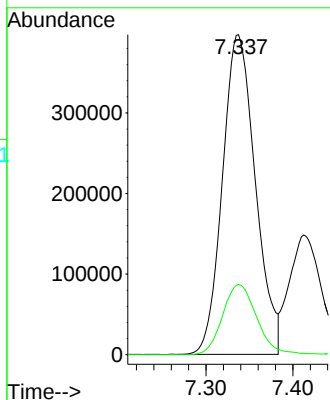
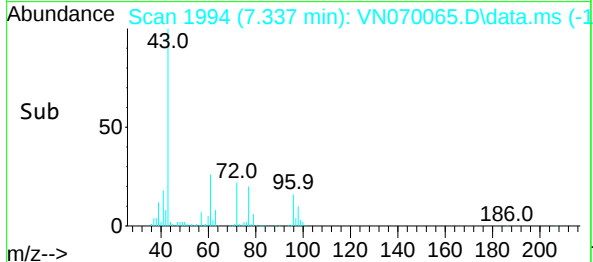
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



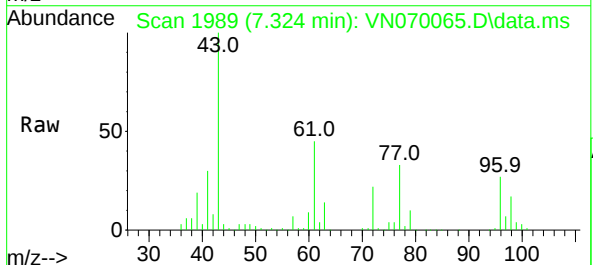
Tgt Ion: 43 Resp: 104522
Ion Ratio Lower Upper
43 100
72 22.0 21.7 32.5

Manual Integrations
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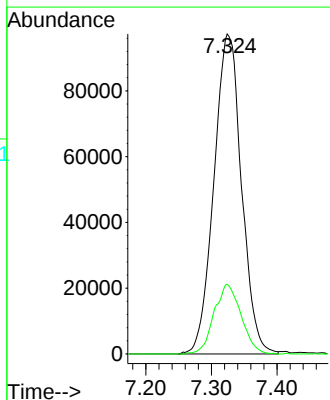
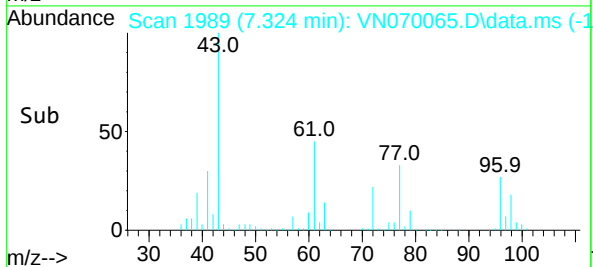
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#26
2,2-Dichloropropane
Concen: 18.063 ug/l
RT: 7.324 min Scan# 1989
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31



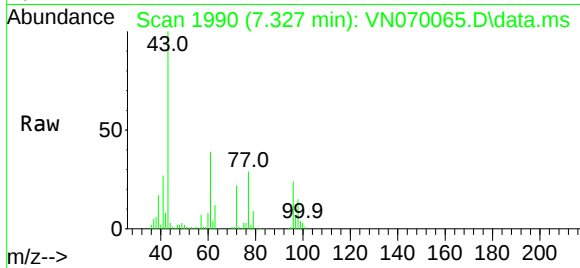
Tgt Ion: 77 Resp: 284127
Ion Ratio Lower Upper
77 100
97 21.3 11.6 34.8





#27
 cis-1,2-Dichloroethene
 Concen: 18.608 ug/l
 RT: 7.327 min Scan# 1990
 Delta R.T. 0.000 min
 Lab File: VN070065.D
 Acq: 14 Dec 2021 12:31

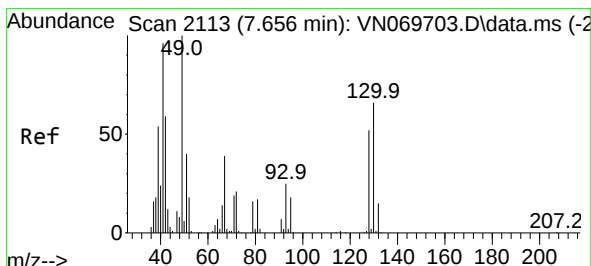
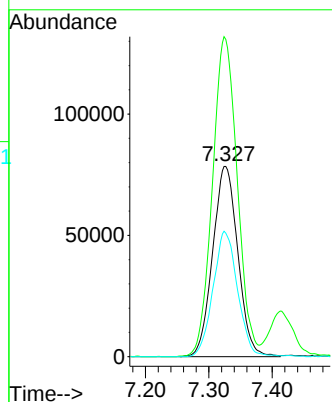
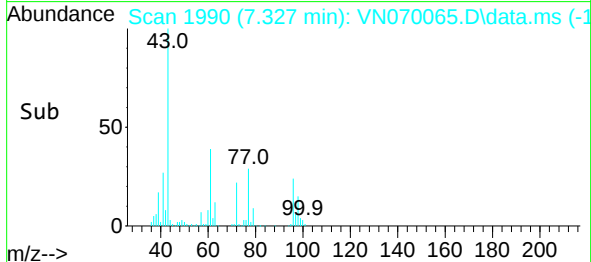
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS01



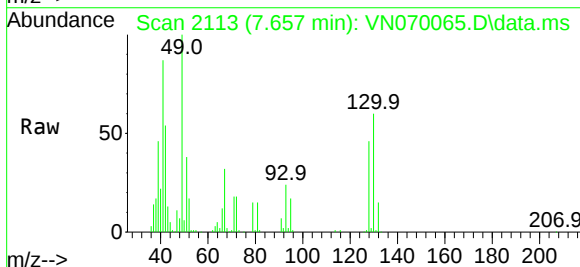
Tgt Ion: 96 Resp: 216529
 Ion Ratio Lower Upper
 96 100
 61 165.7 0.0 275.0
 98 64.0 0.0 129.6

Manual Integrations
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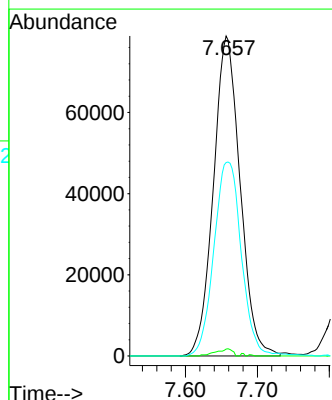
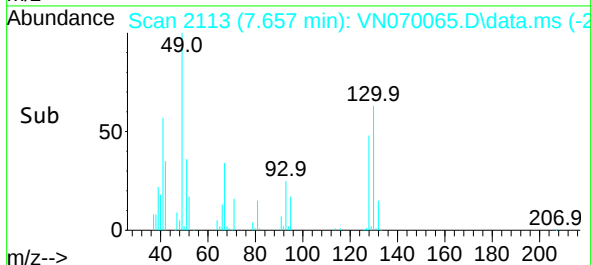
Reviewed By :John Carlone 12/15/2021
 Supervised By :Mahesh Dadoda 12/21/2021



#28
 Bromochloromethane
 Concen: 19.296 ug/l
 RT: 7.657 min Scan# 2113
 Delta R.T. 0.000 min
 Lab File: VN070065.D
 Acq: 14 Dec 2021 12:31



Tgt Ion: 49 Resp: 203007
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 4.0
 130 61.9 67.8 101.8#





#29

Tetrahydrofuran

Concen: 90.522 ug/l

RT: 7.686 min Scan# 2124

Delta R.T. 0.000 min

Lab File: VN070065.D

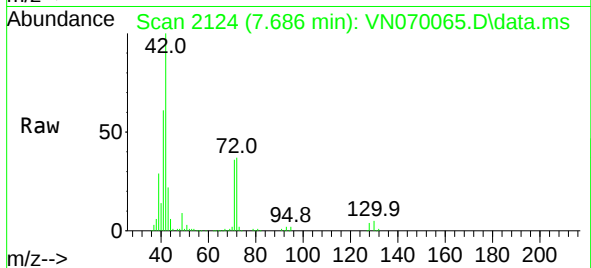
Acq: 14 Dec 2021 12:31

Instrument :

MSVOA_N

ClientSampleId :

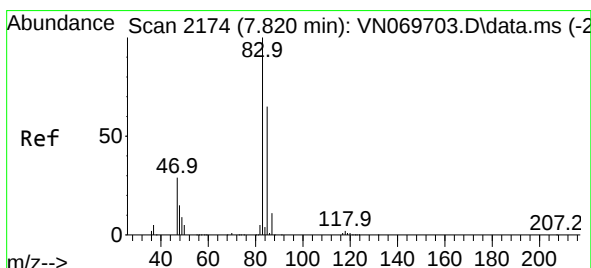
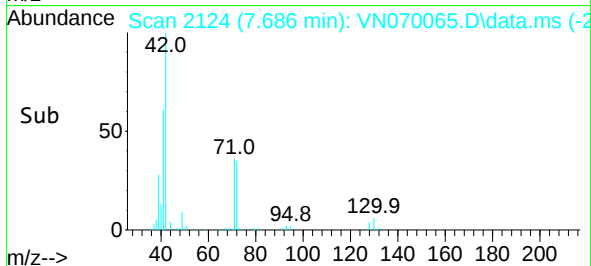
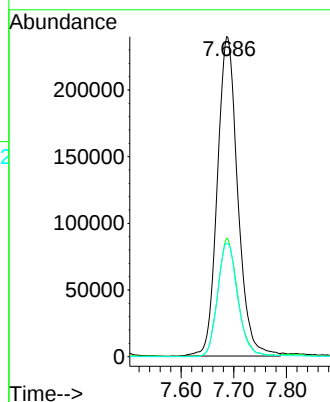
VN1214WBS01



Tgt Ion:	42	Resp:	64575
Ion Ratio	Lower	Upper	
42	100		
72	35.9	36.3	54.5
71	35.1	34.7	52.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#30

Chloroform

Concen: 19.868 ug/l

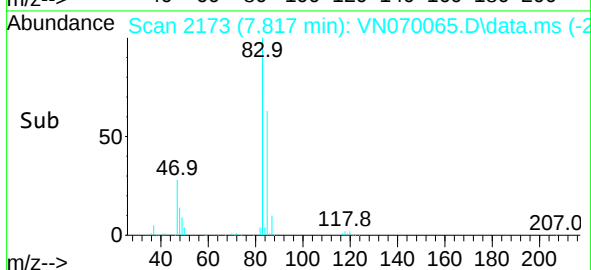
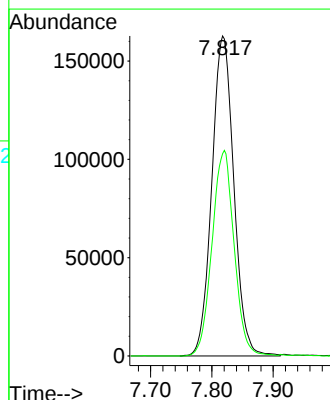
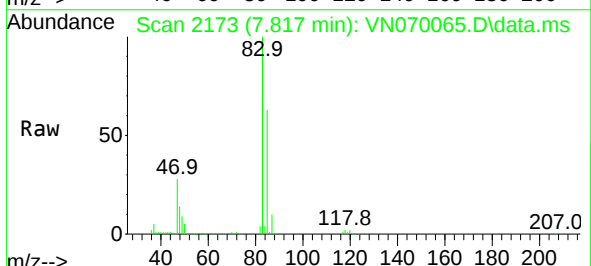
RT: 7.817 min Scan# 2173

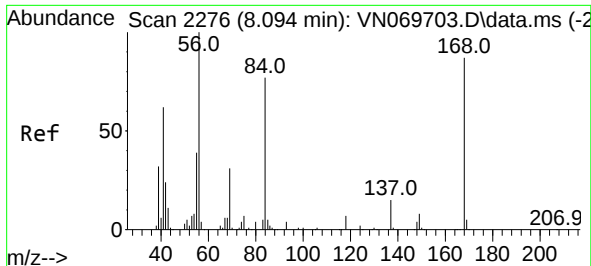
Delta R.T. -0.003 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

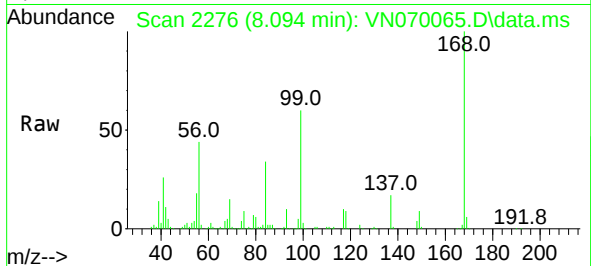
Tgt Ion:	83	Resp:	405941
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.9	77.9





#31
Cyclohexane
Concen: 19.493 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

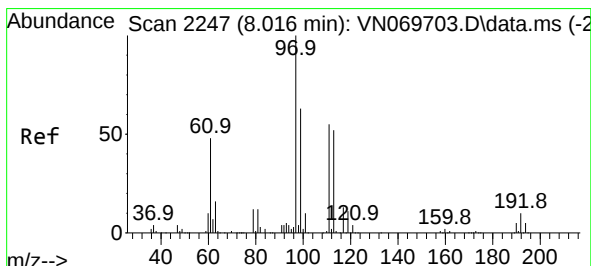
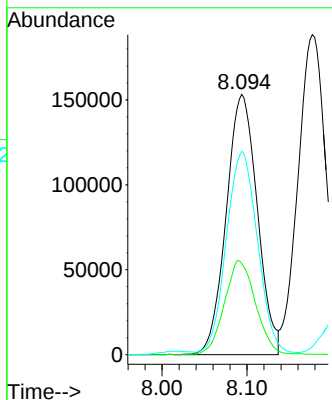
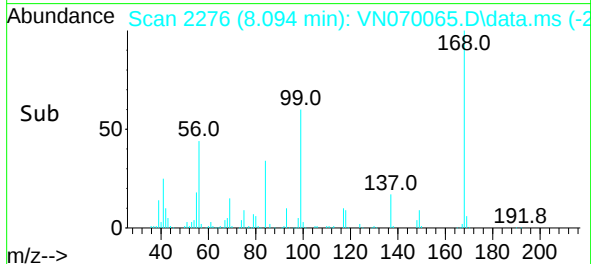
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion: 56 Resp: 389920
Ion Ratio Lower Upper
56 100
69 35.0 27.1 40.7
84 76.6 73.4 110.0

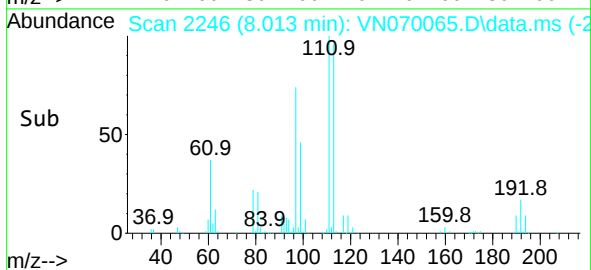
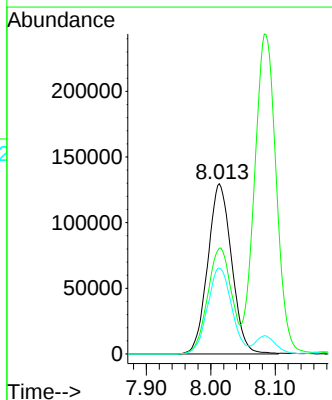
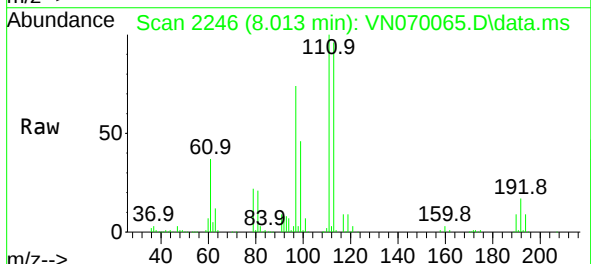
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#32
1,1,1-Trichloroethane
Concen: 19.173 ug/l
RT: 8.013 min Scan# 2246
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Tgt Ion: 97 Resp: 333699
Ion Ratio Lower Upper
97 100
99 61.9 50.1 75.1
61 51.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 48.560 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS01

Tgt Ion: 65 Resp: 697980

Ion Ratio Lower Upper

65 100

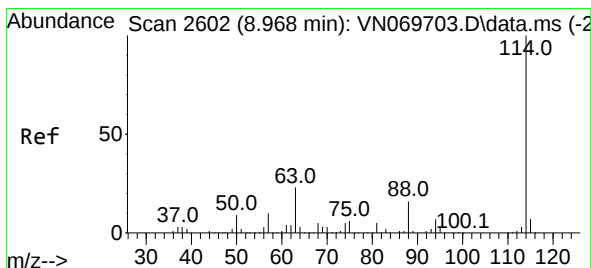
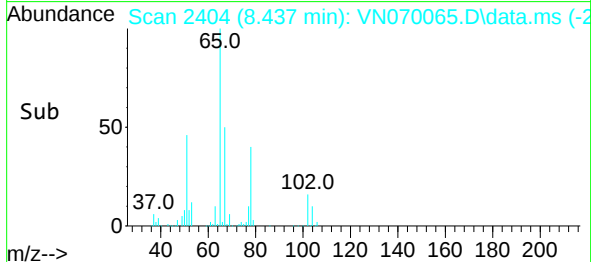
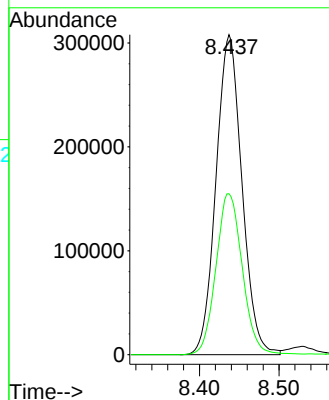
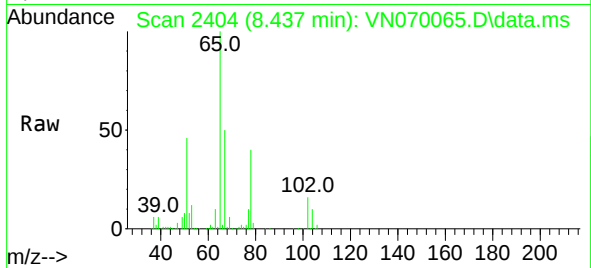
67 51.1 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2021

Supervised By :Mahesh Dadoda 12/21/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

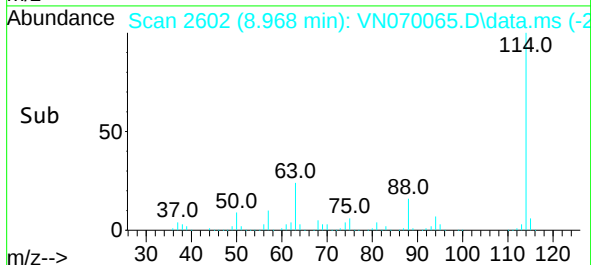
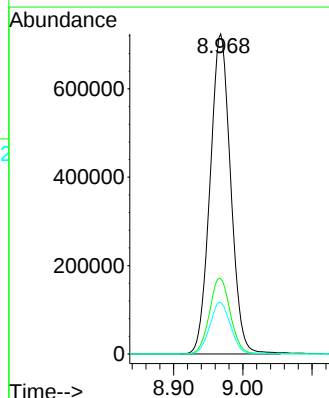
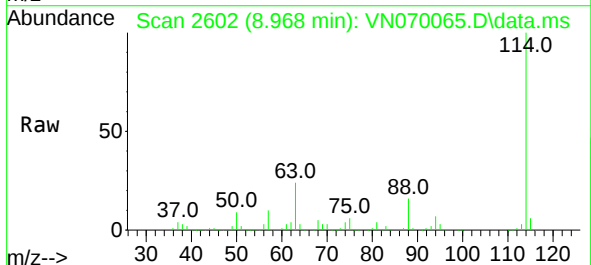
Tgt Ion:114 Resp: 1494782

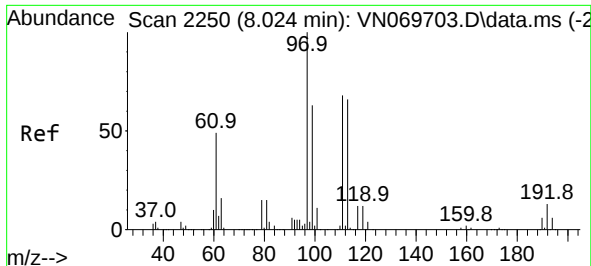
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

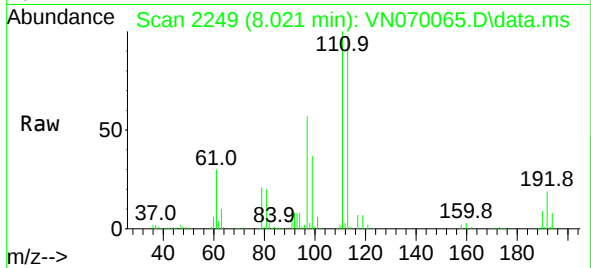
88 16.0 0.0 27.4





#35
Dibromofluoromethane
Concen: 51.254 ug/l
RT: 8.021 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

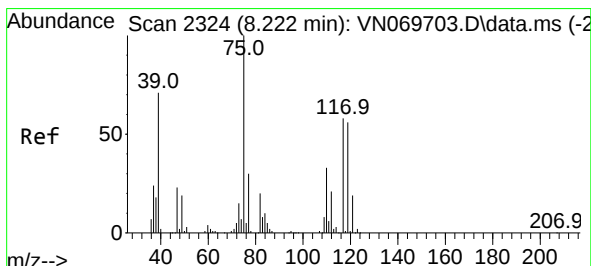
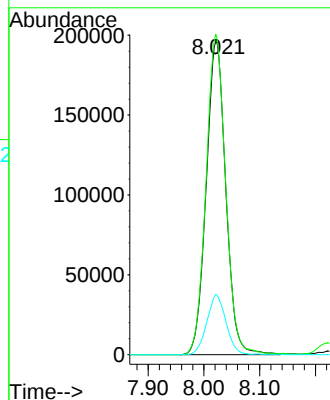
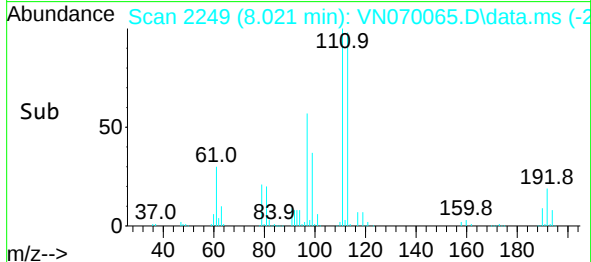
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion: 113 Resp: 479894
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 18.6 16.9 25.3

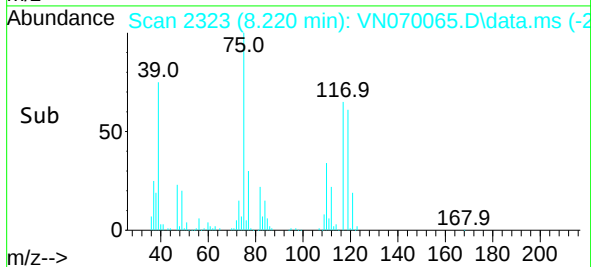
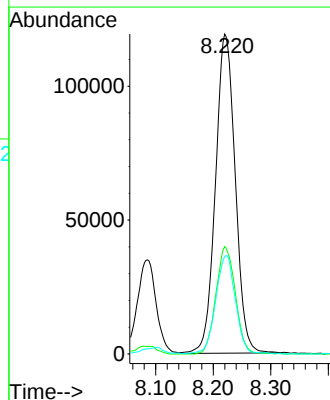
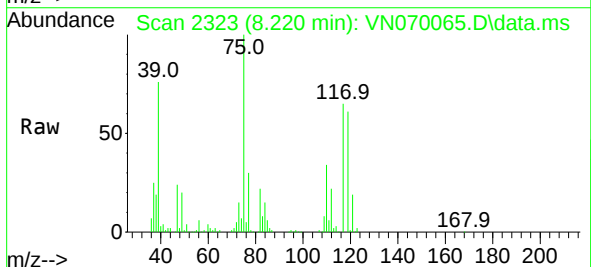
Manual Integrations
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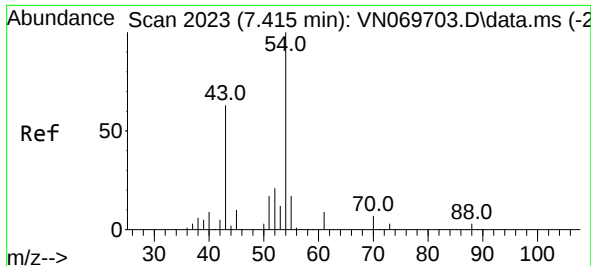
Reviewed By : John Carlone 12/15/2021
Supervised By : Mahesh Dadoda 12/21/2021



#36
1,1-Dichloropropene
Concen: 20.008 ug/l
RT: 8.220 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Tgt Ion: 75 Resp: 284711
Ion Ratio Lower Upper
75 100
110 33.1 18.4 55.2
77 30.4 24.4 36.6





#37

Ethyl Acetate

Concen: 18.483 ug/l

RT: 7.412 min Scan# 20

Delta R.T. -0.003 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS01

Tgt Ion: 43 Resp: 391468

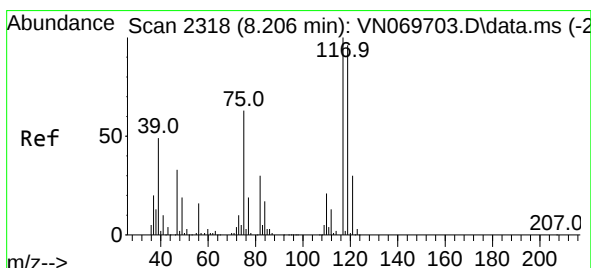
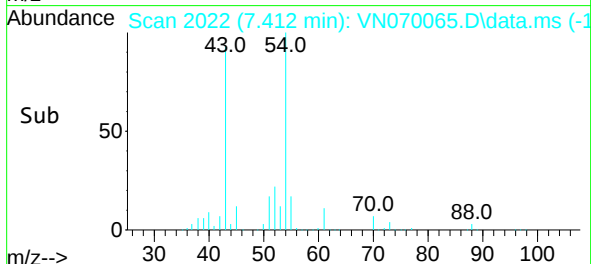
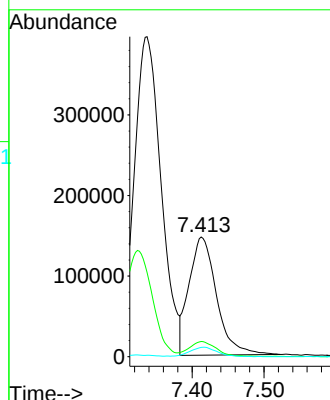
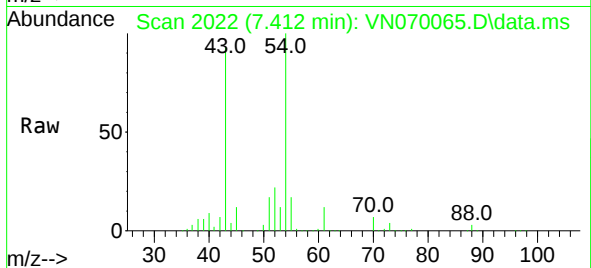
Ion	Ratio	Lower	Upper
43	100		
61	12.4	11.5	17.3
70	7.9	7.9	11.9

Manual Integrations

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Reviewed By :John Carlone 12/15/2021

Supervised By :Mahesh Dadoda 12/21/2021



#38

Carbon Tetrachloride

Concen: 19.538 ug/l

RT: 8.204 min Scan# 2317

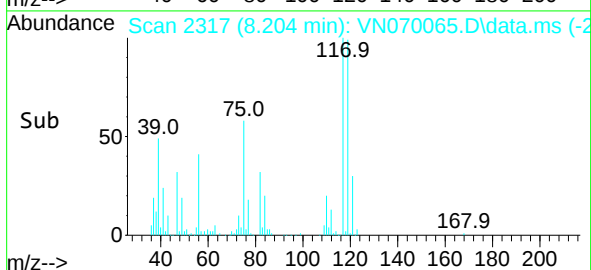
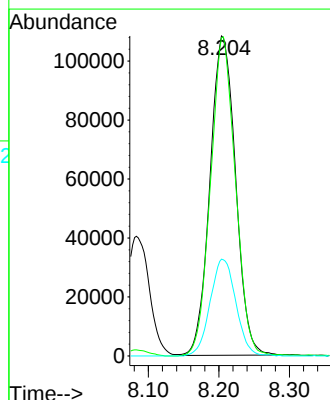
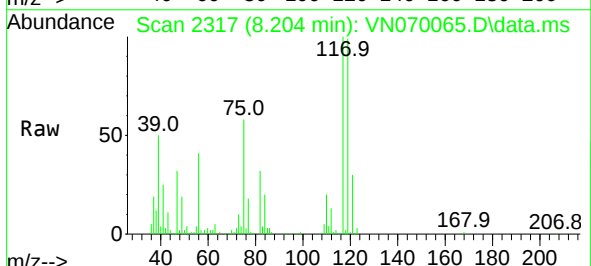
Delta R.T. -0.003 min

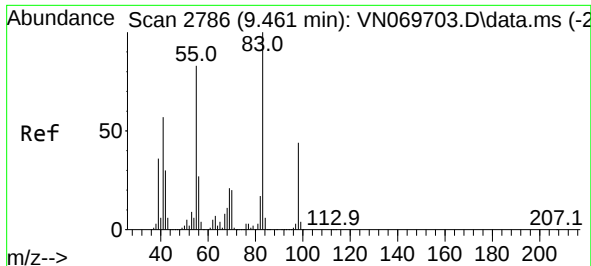
Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Tgt Ion:117 Resp: 272632

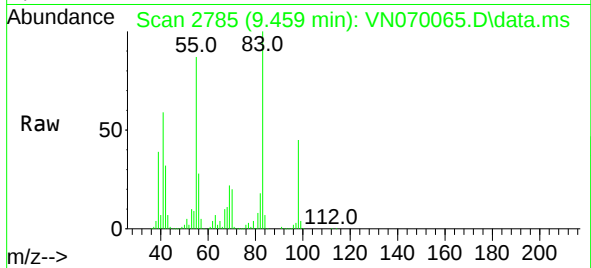
Ion	Ratio	Lower	Upper
117	100		
119	99.5	76.1	114.1
121	30.3	24.2	36.2





#39
Methylcyclohexane
Concen: 19.444 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

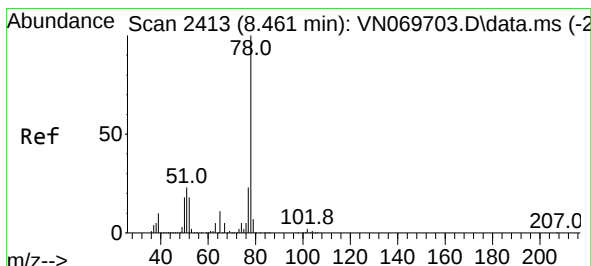
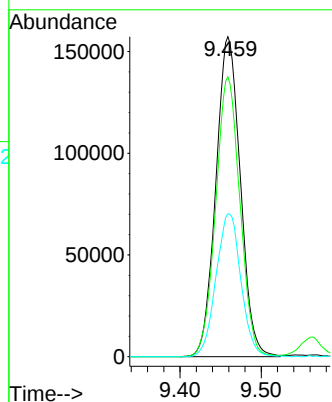
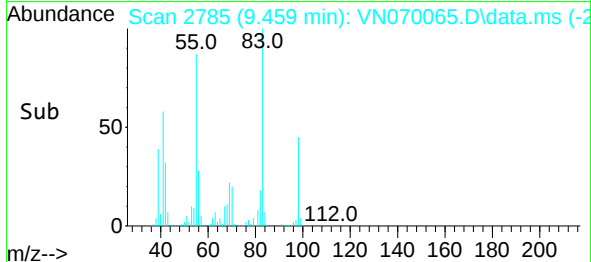
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



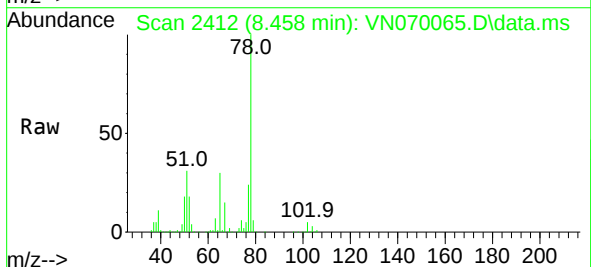
Tgt Ion: 83 Resp: 32910
Ion Ratio Lower Upper
83 100
55 87.5 58.1 87.1
98 44.6 38.4 57.6

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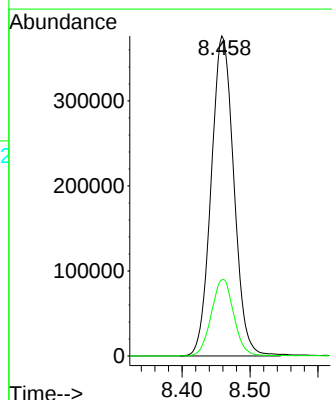
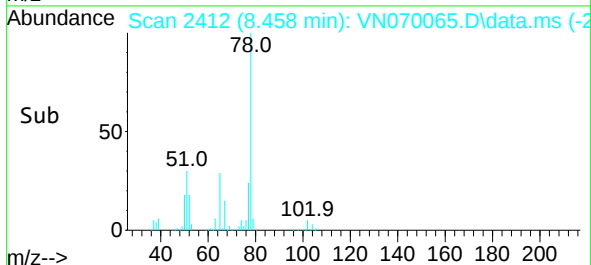
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021

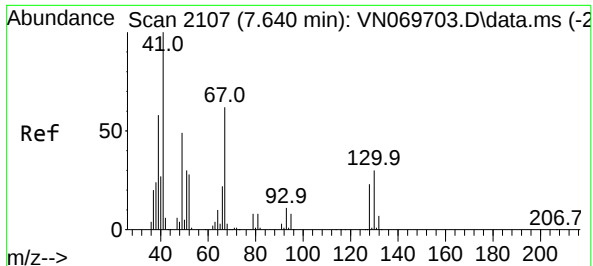


#40
Benzene
Concen: 20.066 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31



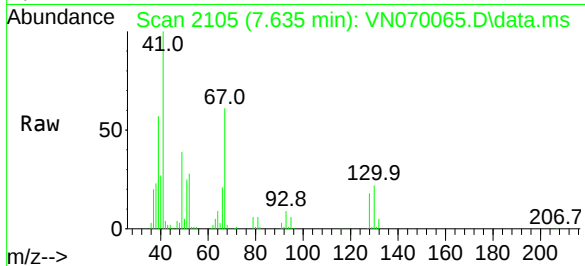
Tgt Ion: 78 Resp: 872794
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8





#41
Methacrylonitrile
Concen: 19.095 ug/l
RT: 7.635 min Scan# 2105
Delta R.T. -0.005 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

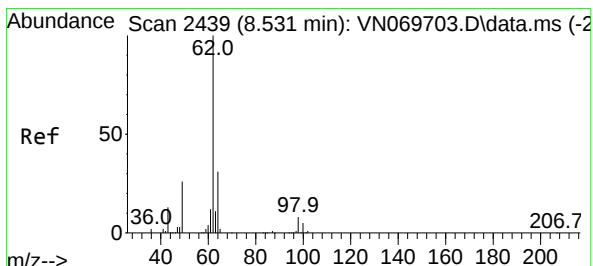
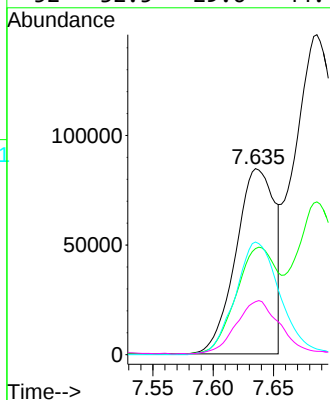
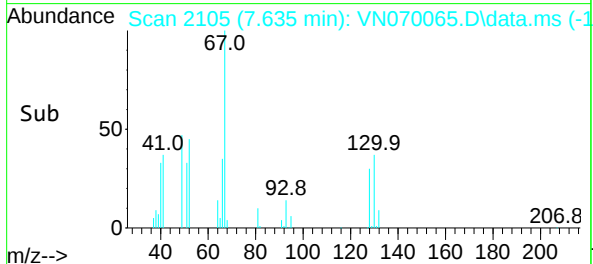
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion: 41 Resp: 189852
Ion Ratio Lower Upper
41 100
39 60.5 48.1 72.1
67 70.0 68.3 102.5
52 32.5 29.6 44.4

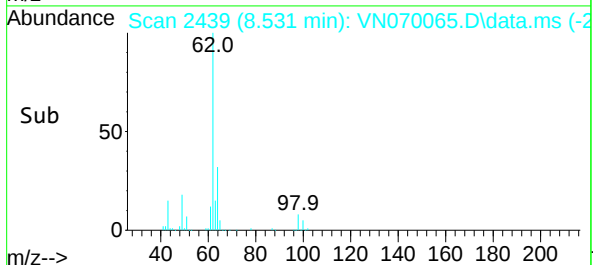
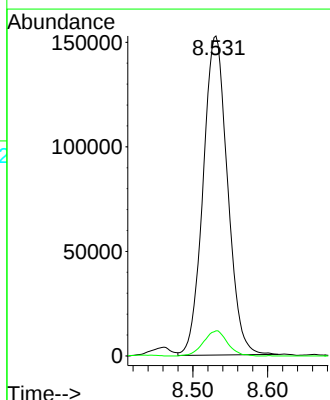
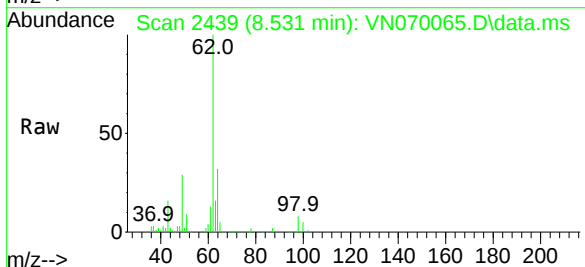
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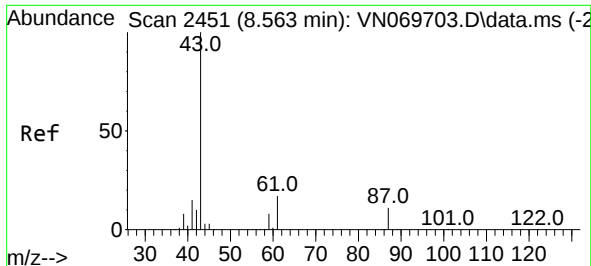
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#42
1,2-Dichloroethane
Concen: 19.706 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

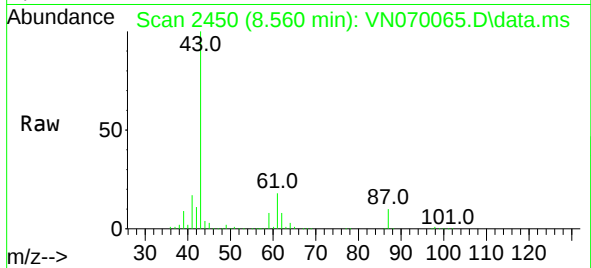
Tgt Ion: 62 Resp: 345992
Ion Ratio Lower Upper
62 100
98 7.8 0.0 17.6





#43
Isopropyl Acetate
Concen: 18.683 ug/l
RT: 8.560 min Scan# 2451
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

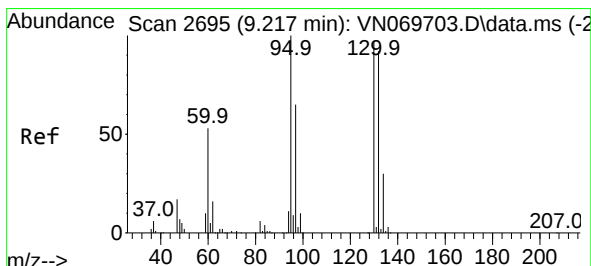
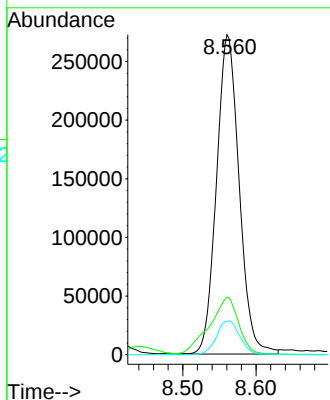
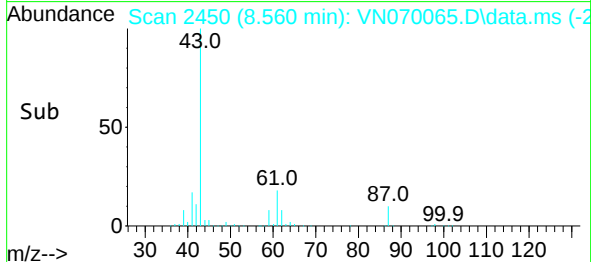
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion: 43 Resp: 58555
Ion Ratio Lower Upper
43 100
61 23.0 20.4 30.6
87 10.9 11.2 16.8

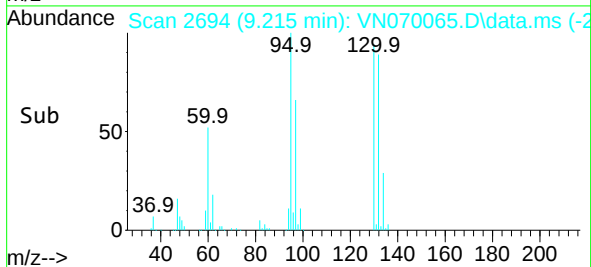
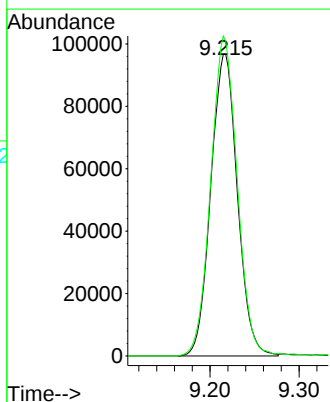
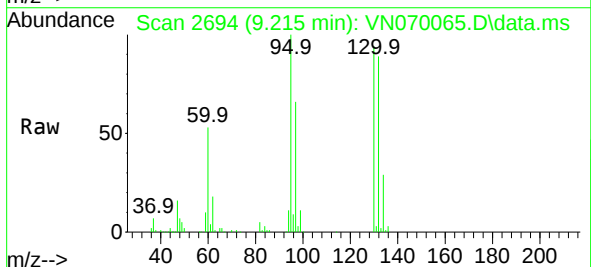
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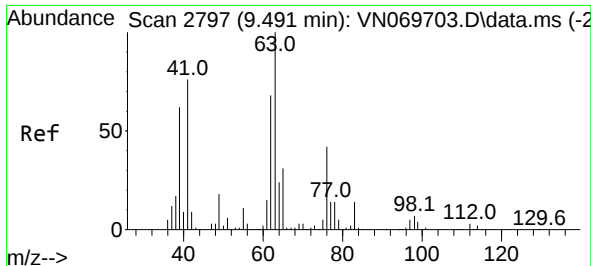
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#44
Trichloroethene
Concen: 19.307 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.002 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Tgt Ion:130 Resp: 200429
Ion Ratio Lower Upper
130 100
95 106.0 0.0 191.2





#45

1,2-Dichloropropane

Concen: 20.335 ug/l

RT: 9.488 min Scan# 2796

Delta R.T. -0.003 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS01

Tgt Ion: 63 Resp: 237510

Ion Ratio Lower Upper

63 100

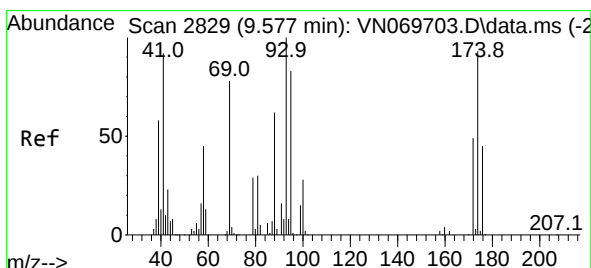
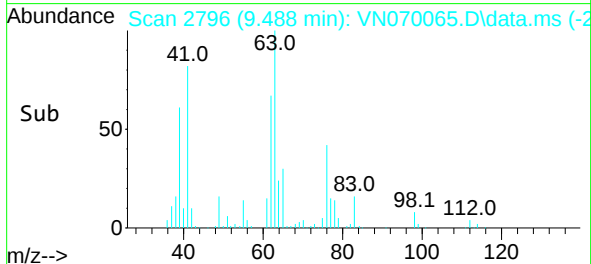
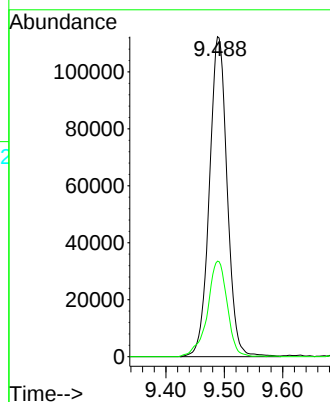
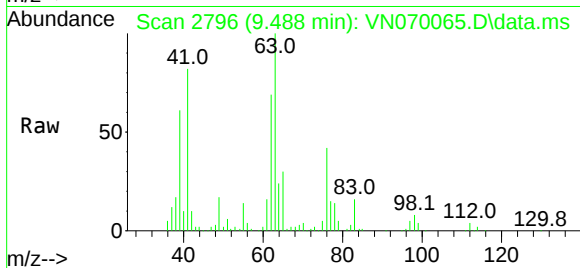
65 29.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2021

Supervised By :Mahesh Dadoda 12/21/2021



#46

Dibromomethane

Concen: 20.083 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. 0.000 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

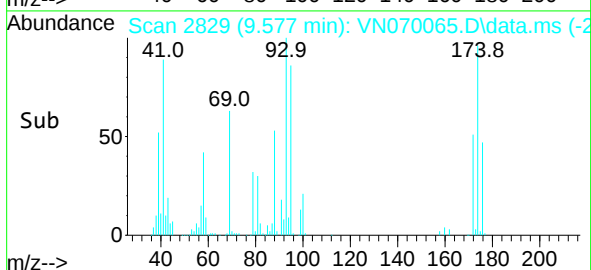
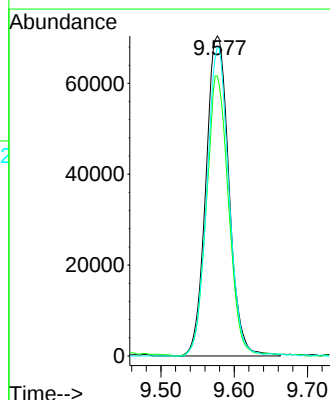
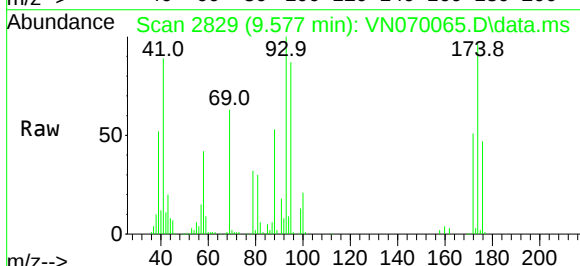
Tgt Ion: 93 Resp: 153842

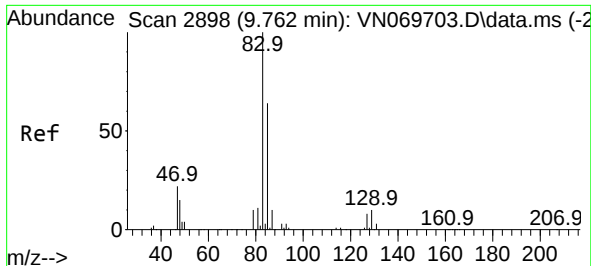
Ion Ratio Lower Upper

93 100

95 84.2 65.9 98.9

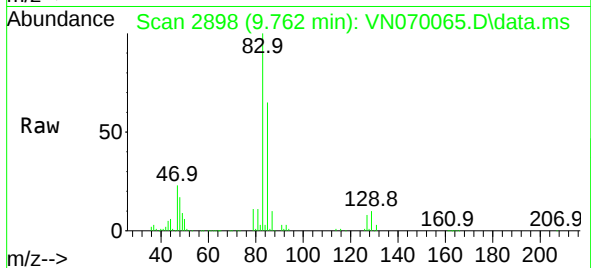
174 91.9 84.6 127.0





#47
Bromodichloromethane
Concen: 21.511 ug/l
RT: 9.762 min Scan# 2898
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

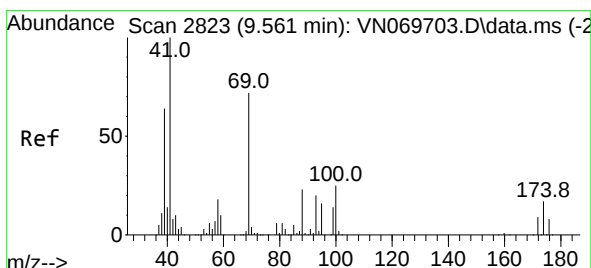
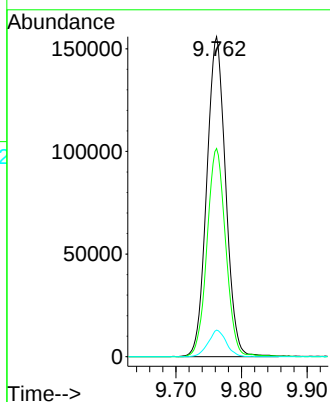
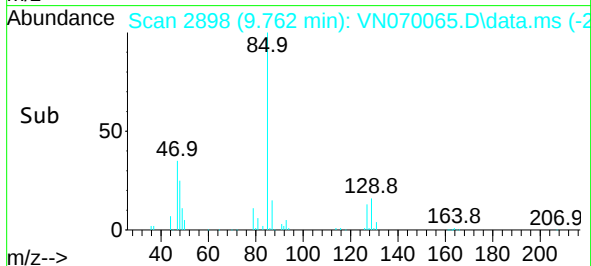
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion: 83 Resp: 311978
Ion Ratio Lower Upper
83 100
85 65.1 50.9 76.3
127 8.3 7.1 10.7

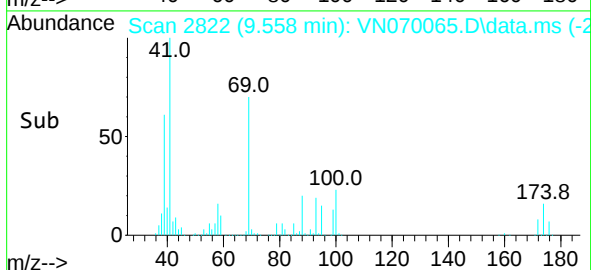
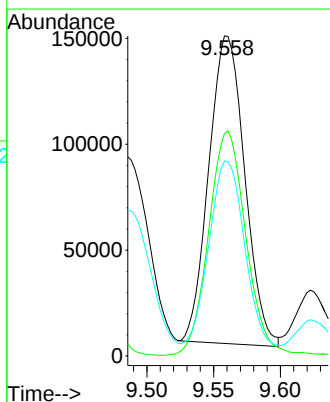
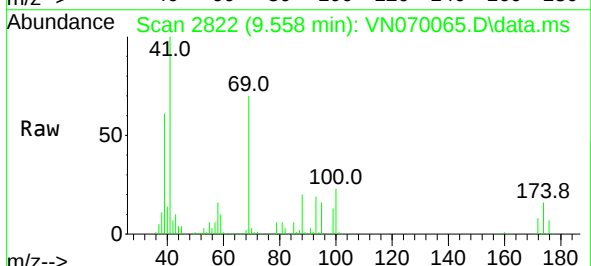
Manual Integrations
APPROVED

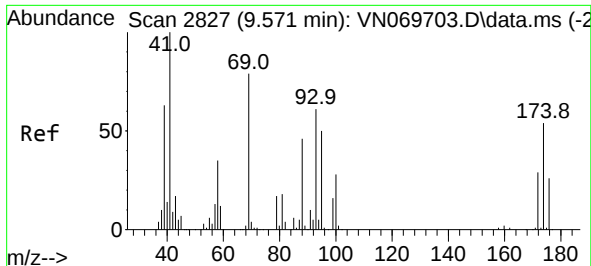
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#48
Methyl methacrylate
Concen: 18.594 ug/l
RT: 9.558 min Scan# 2822
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Tgt Ion: 41 Resp: 271960
Ion Ratio Lower Upper
41 100
69 75.8 72.4 108.6
39 59.4 58.4 87.6





#49

1,4-Dioxane

Concen: 358.334 ug/l

RT: 9.569 min Scan# 2827

Delta R.T. -0.003 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS01

Tgt Ion: 88 Resp: 9404

Ion Ratio Lower Upper

88 100

43 37.3 23.4 35.2

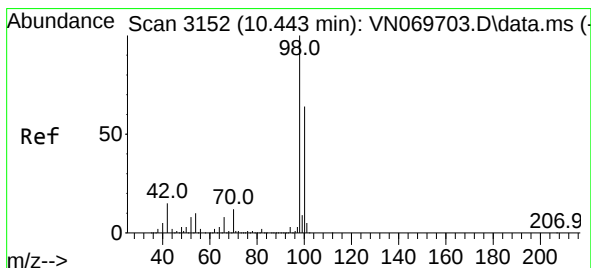
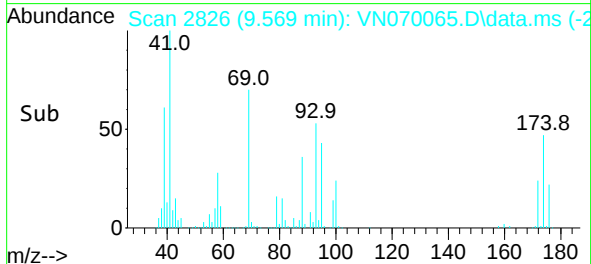
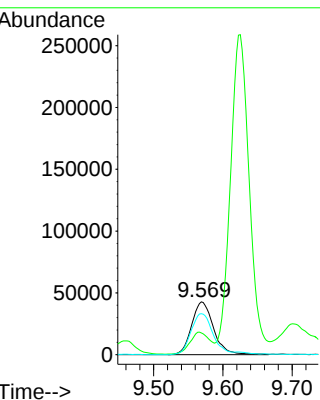
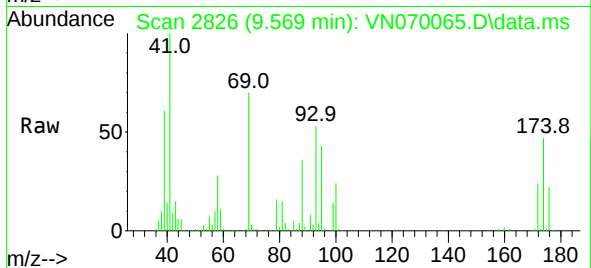
58 77.5 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2021

Supervised By :Mahesh Dadoda 12/21/2021



#50

Toluene-d8

Concen: 49.254 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VN070065.D

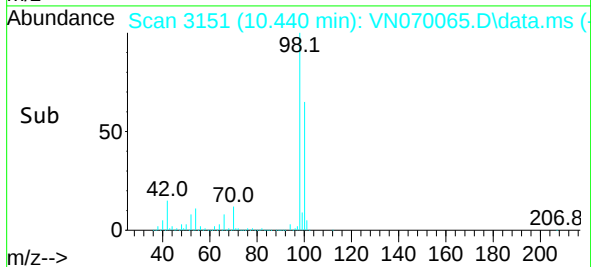
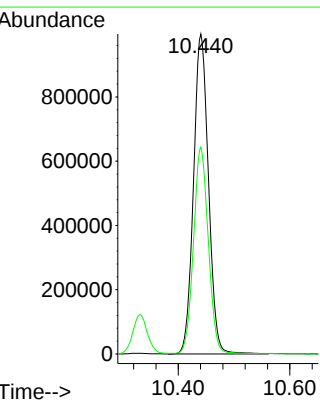
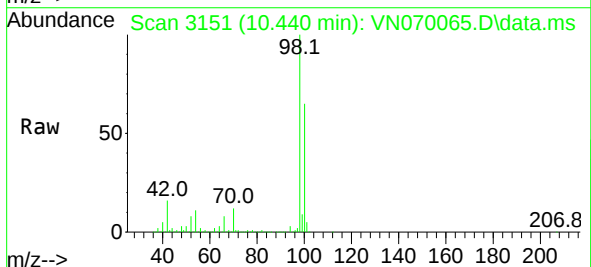
Acq: 14 Dec 2021 12:31

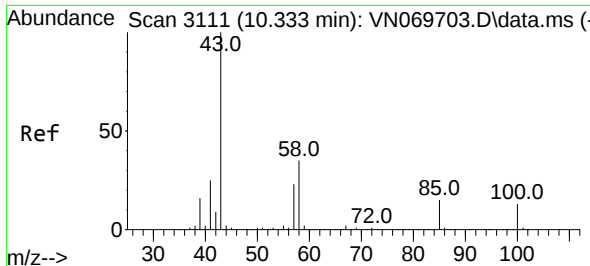
Tgt Ion: 98 Resp: 1851718

Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6





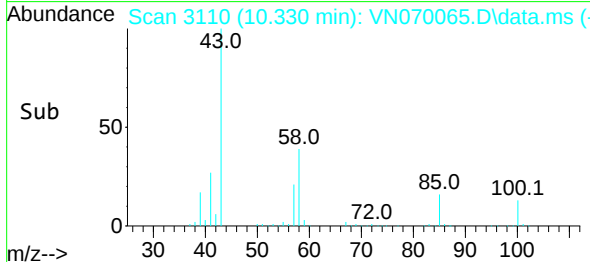
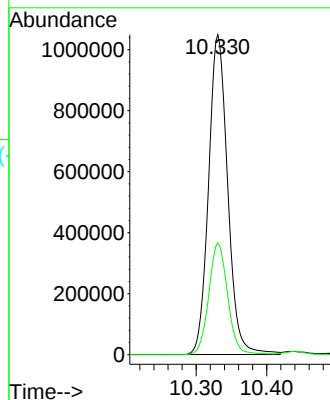
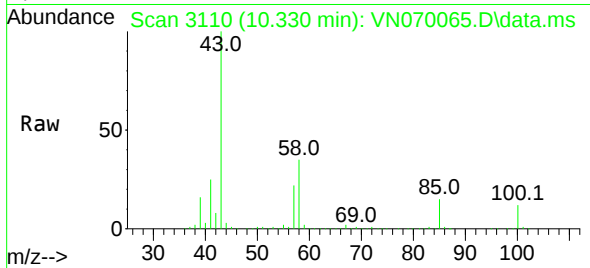
#51
4-Methyl-2-Pentanone
Concen: 97.288 ug/l
RT: 10.330 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01

Tgt Ion: 43 Resp: 197810
Ion Ratio Lower Upper
43 100
58 34.5 30.4 45.6

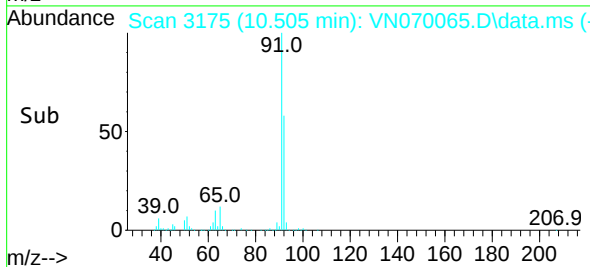
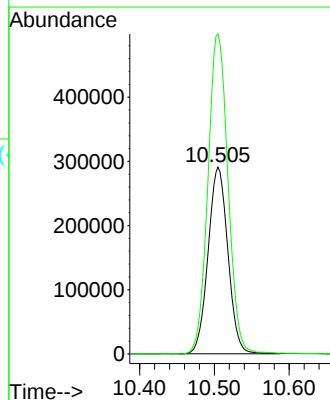
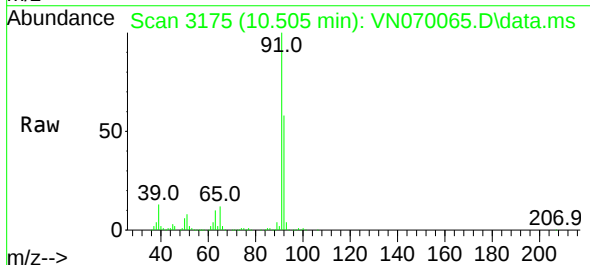
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#52
Toluene
Concen: 20.164 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

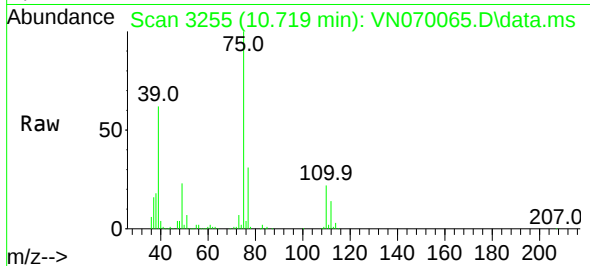
Tgt Ion: 92 Resp: 535433
Ion Ratio Lower Upper
92 100
91 174.3 142.0 213.0





#53
t-1,3-Dichloropropene
Concen: 18.850 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

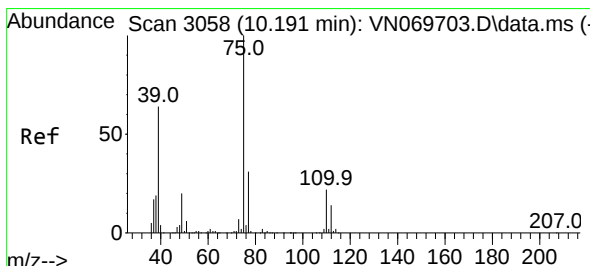
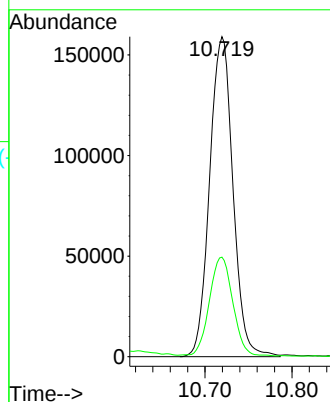
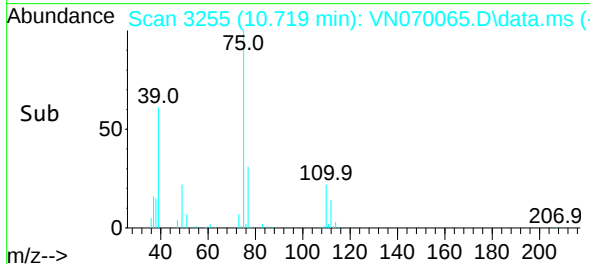
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



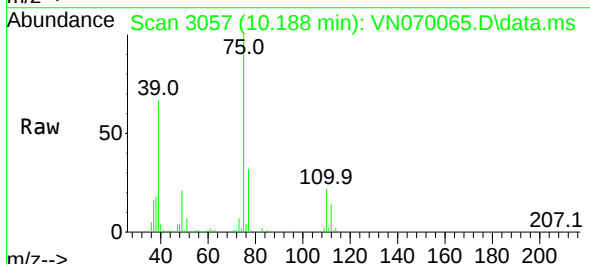
Tgt Ion: 75 Resp: 29669
Ion Ratio Lower Upper
75 100
77 30.8 25.6 38.4

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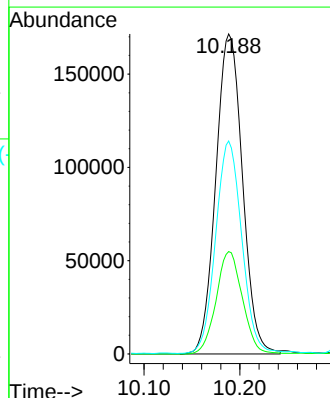
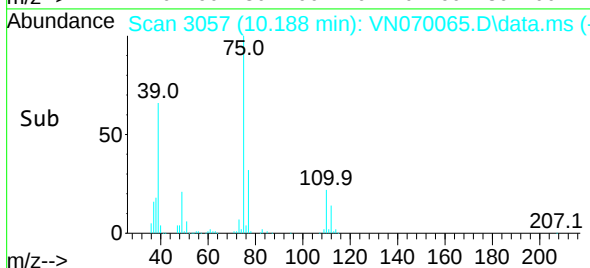
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021

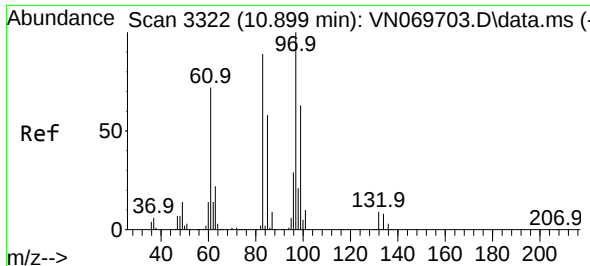


#54
cis-1,3-Dichloropropene
Concen: 19.378 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31



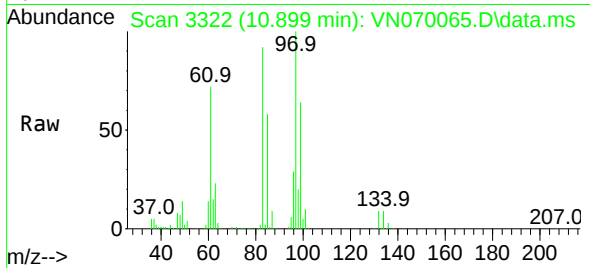
Tgt Ion: 75 Resp: 331472
Ion Ratio Lower Upper
75 100
77 32.0 26.4 39.6
39 66.4 42.5 63.7#





#55
1,1,2-Trichloroethane
Concen: 19.876 ug/l
RT: 10.899 min Scan# 3322
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

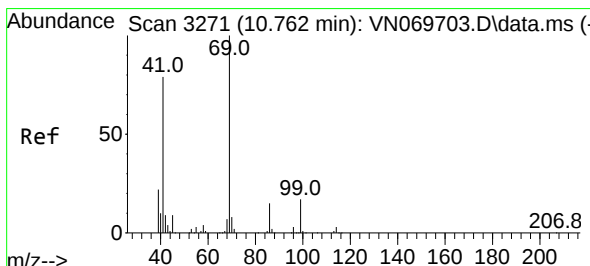
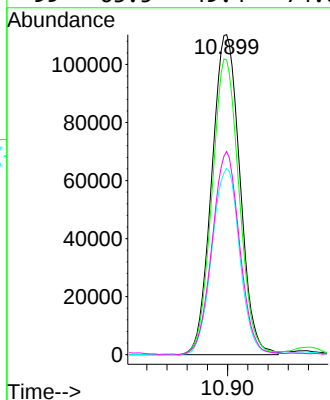
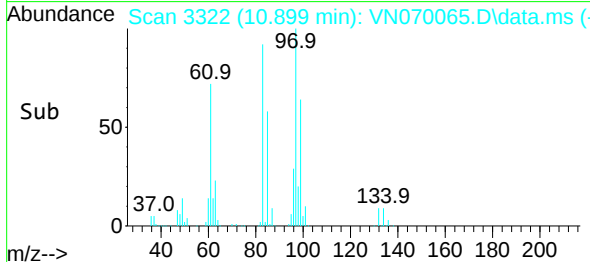
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



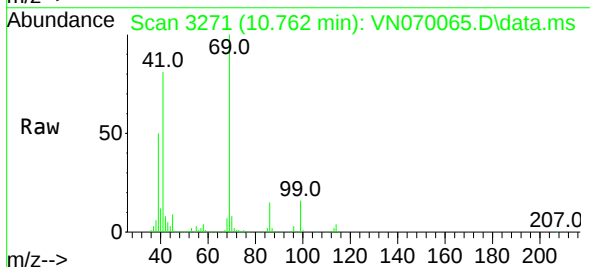
Tgt Ion: 97 Resp: 212958
Ion Ratio Lower Upper
97 100
83 92.1 67.8 101.6
85 58.1 45.4 68.2
99 63.5 49.4 74.0

Manual Integrations
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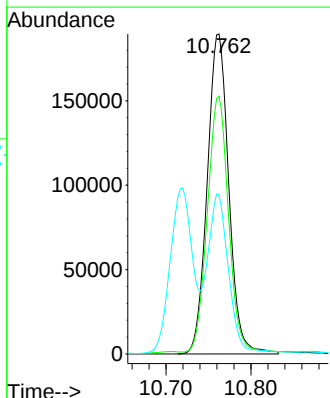
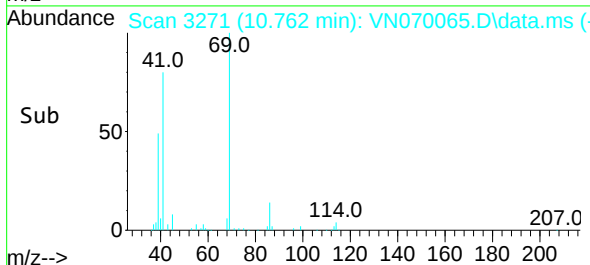
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#56
Ethyl methacrylate
Concen: 18.044 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31



Tgt Ion: 69 Resp: 333923
Ion Ratio Lower Upper
69 100
41 78.3 51.4 77.0#
39 47.1 34.6 52.0





#57

1,3-Dichloropropane

Concen: 20.002 ug/l

RT: 11.044 min Scan# 31

Delta R.T. -0.003 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS01

Tgt Ion: 76 Resp: 377340

Ion Ratio Lower Upper

76 100

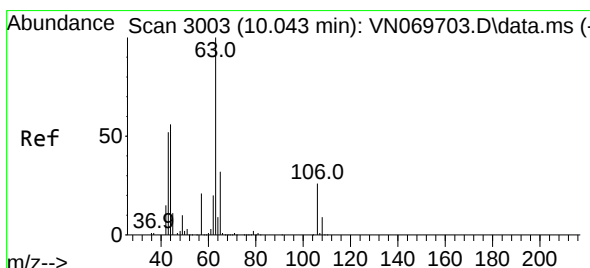
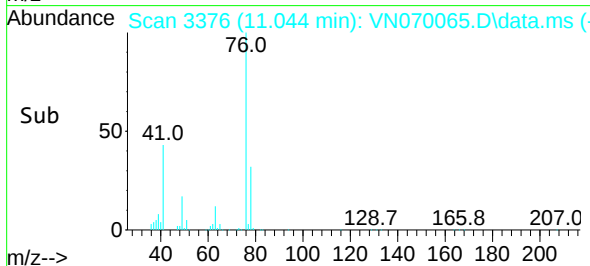
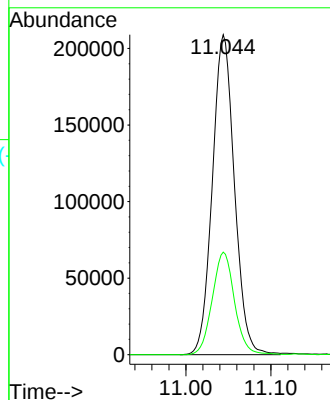
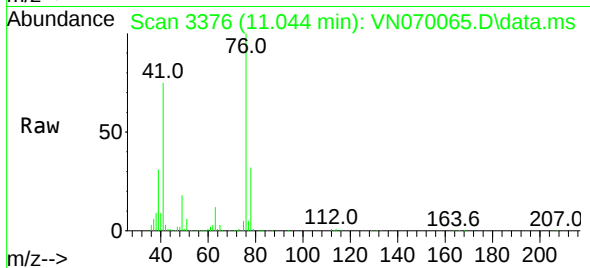
78 32.4 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2021

Supervised By :Mahesh Dadoda 12/21/2021



#58

2-Chloroethyl Vinyl ether

Concen: 73.473 ug/l

RT: 10.041 min Scan# 3002

Delta R.T. -0.002 min

Lab File: VN070065.D

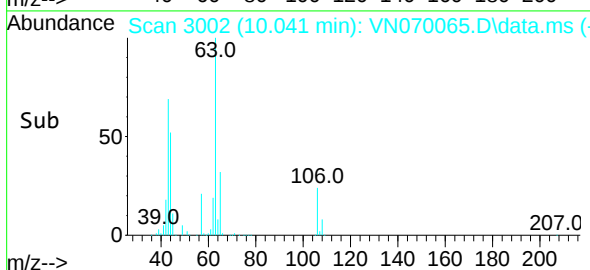
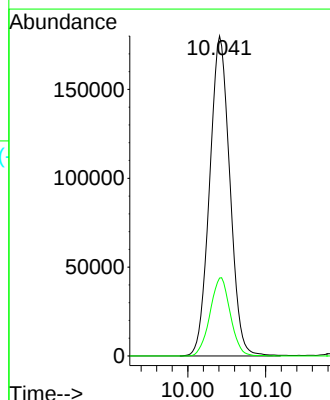
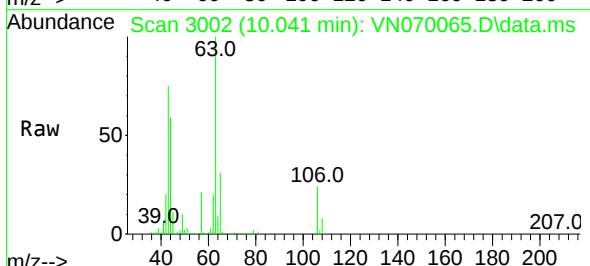
Acq: 14 Dec 2021 12:31

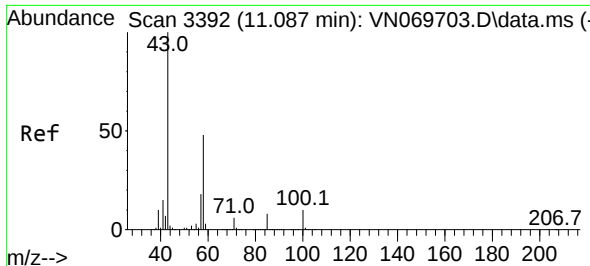
Tgt Ion: 63 Resp: 324598

Ion Ratio Lower Upper

63 100

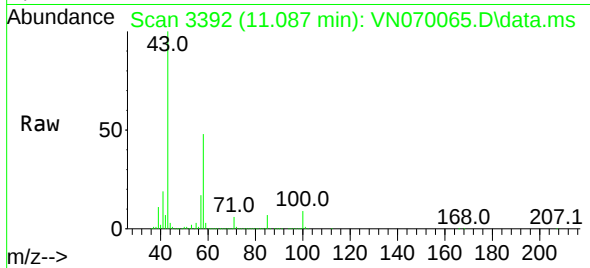
106 24.5 23.9 35.9





#59
2-Hexanone
Concen: 91.745 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

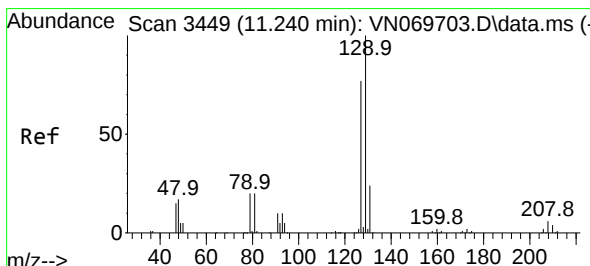
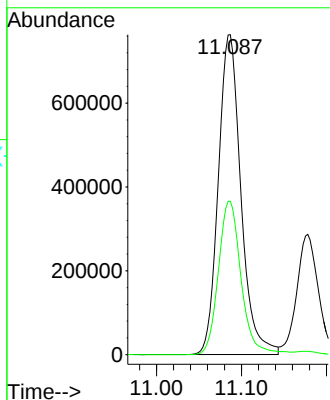
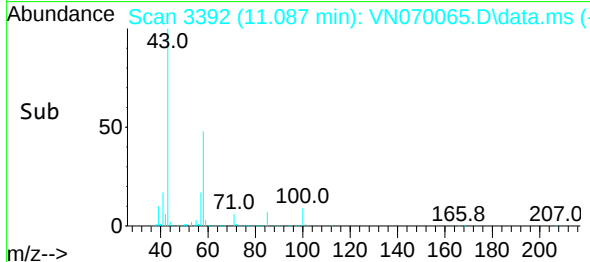
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion: 43 Resp: 141111
Ion Ratio Lower Upper
43 100
58 48.4 26.9 80.7

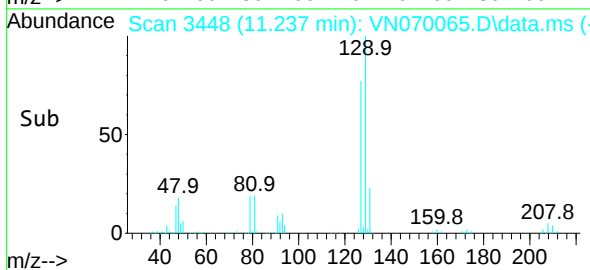
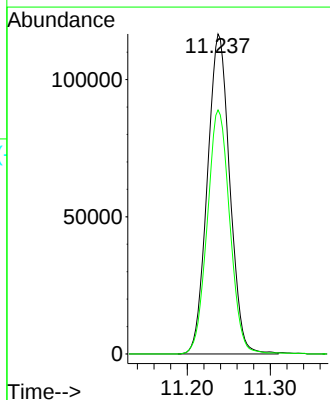
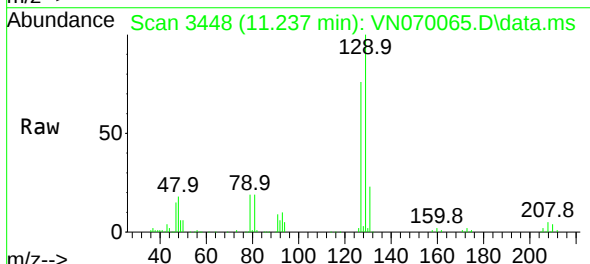
Manual Integrations
APPROVED

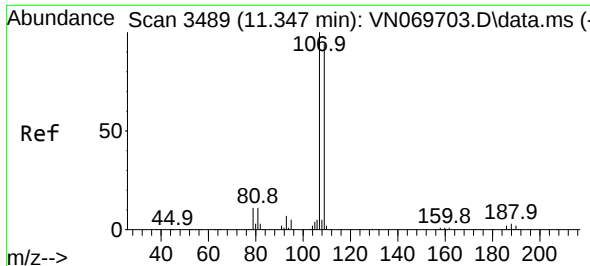
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#60
Dibromochloromethane
Concen: 20.499 ug/l
RT: 11.237 min Scan# 3448
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

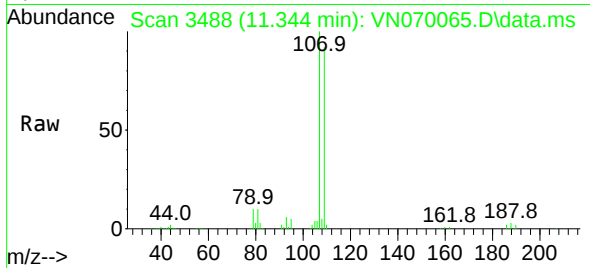
Tgt Ion:129 Resp: 218421
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0





#61
1,2-Dibromoethane
Concen: 18.943 ug/l
RT: 11.344 min Scan# 3488
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

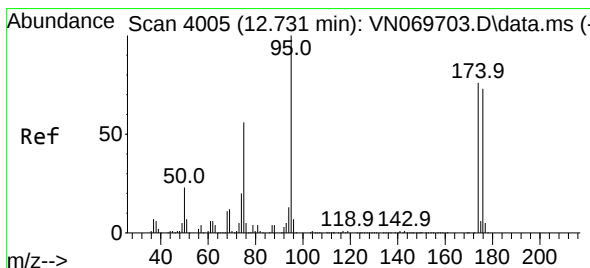
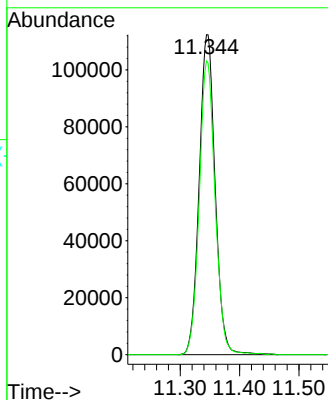
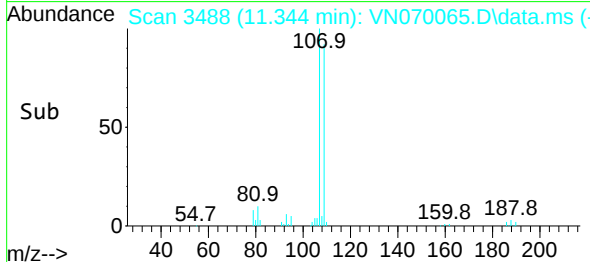
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion:107 Resp: 210219
Ion Ratio Lower Upper
107 100
109 90.8 75.7 113.5

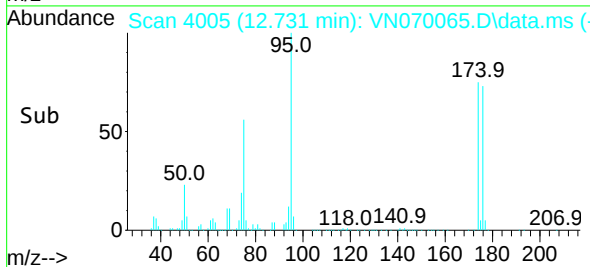
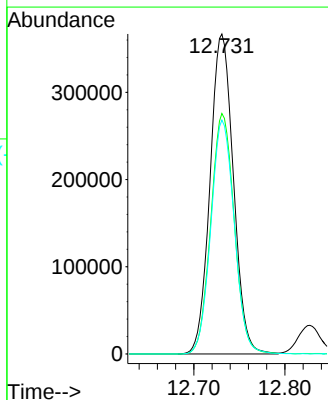
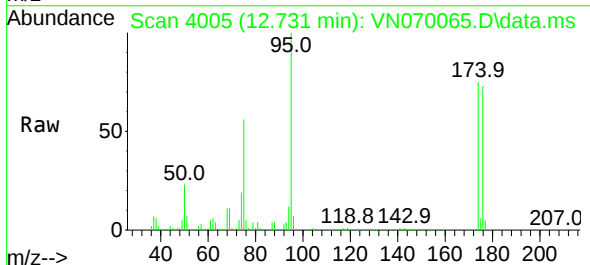
Manual Integrations
APPROVED

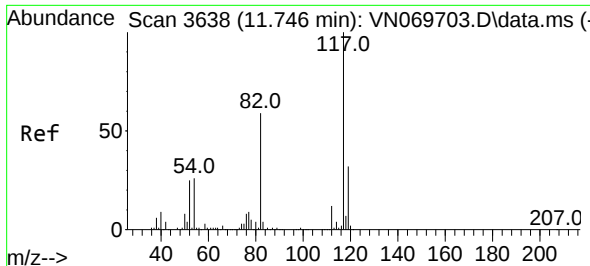
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#62
4-Bromofluorobenzene
Concen: 47.919 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

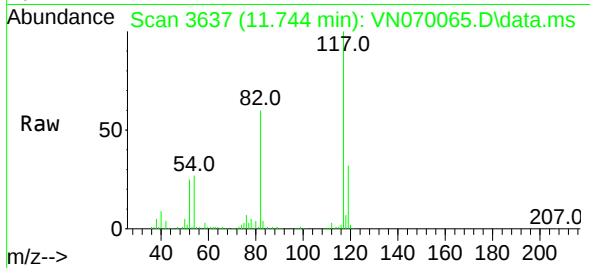
Tgt Ion: 95 Resp: 652659
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 73.4 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

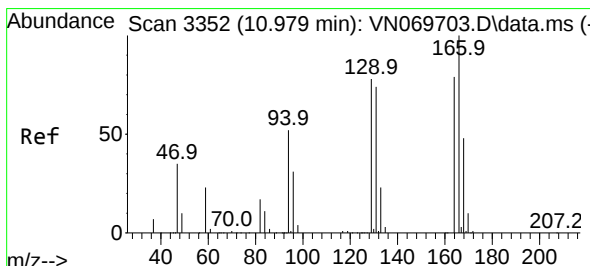
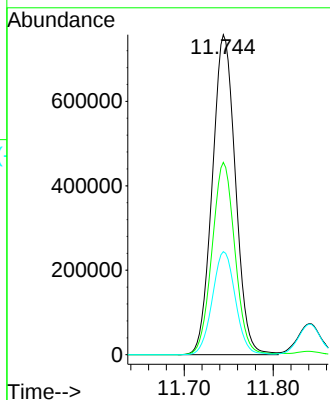
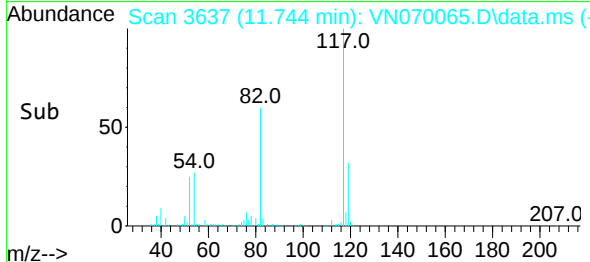
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion:117 Resp: 136945
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 32.2 25.4 38.2

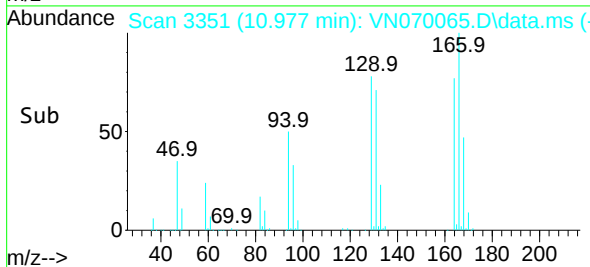
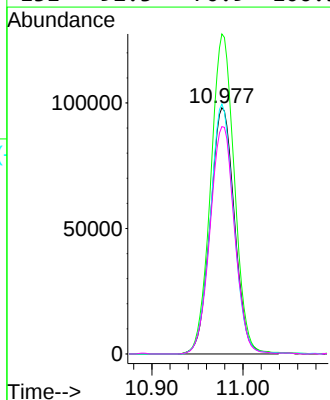
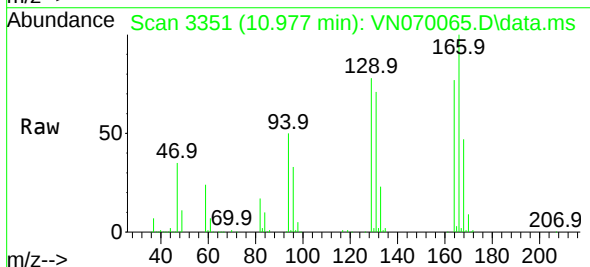
Manual Integrations
APPROVED

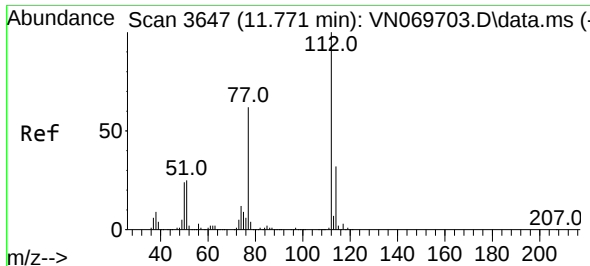
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#64
Tetrachloroethene
Concen: 19.430 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

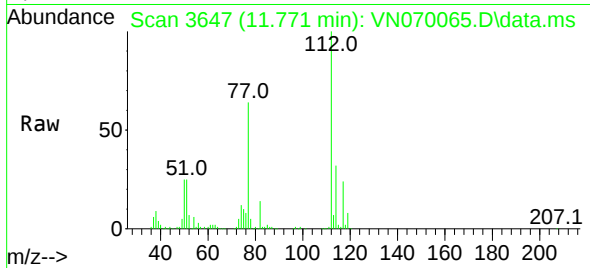
Tgt Ion:164 Resp: 180422
Ion Ratio Lower Upper
164 100
166 129.9 101.9 152.9
129 101.5 72.0 108.0
131 92.3 70.9 106.3





#65
Chlorobenzene
Concen: 19.736 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

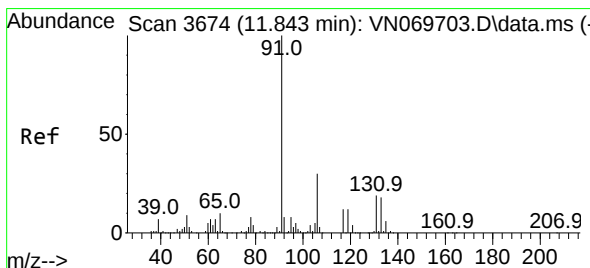
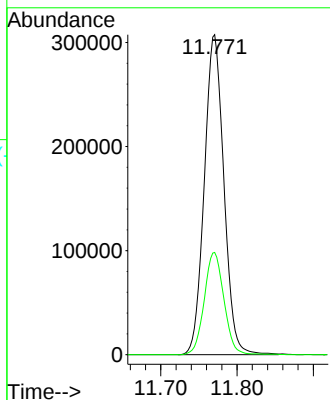
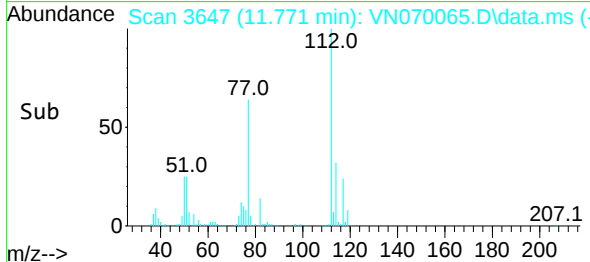
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



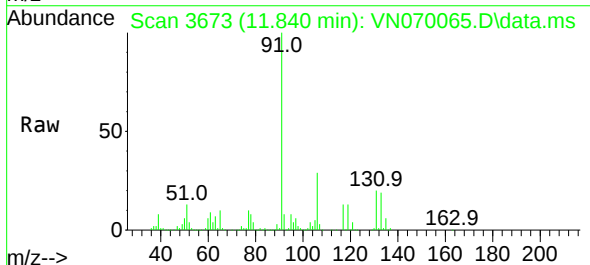
Tgt Ion:112 Resp: 548298
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0

Manual Integrations
APPROVED

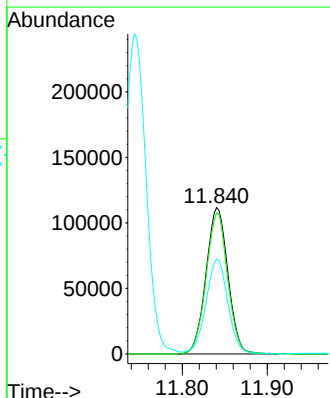
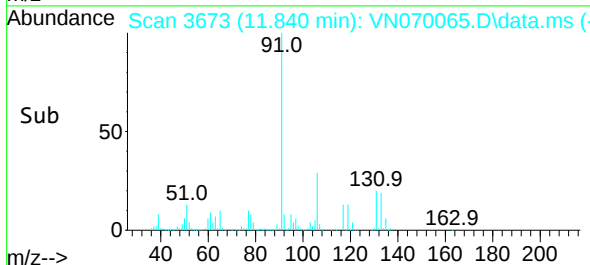
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021

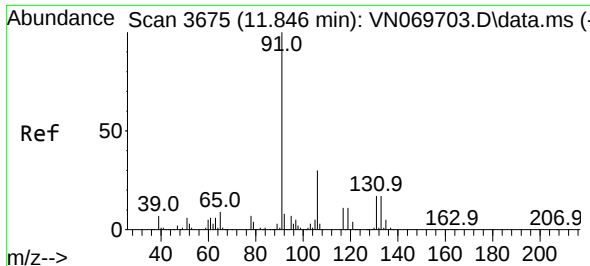


#66
1,1,1,2-Tetrachloroethane
Concen: 20.520 ug/l
RT: 11.840 min Scan# 3673
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31



Tgt Ion:131 Resp: 200650
Ion Ratio Lower Upper
131 100
133 94.5 47.9 143.7
119 63.8 32.1 96.5





#67

Ethyl Benzene

Concen: 20.221 ug/l

RT: 11.843 min Scan# 3675

Delta R.T. -0.003 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS01

Tgt Ion: 91 Resp: 1020449

Ion Ratio Lower Upper

91 100

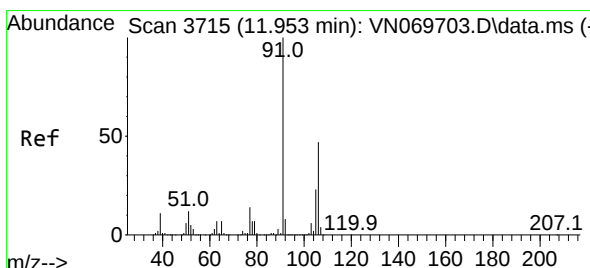
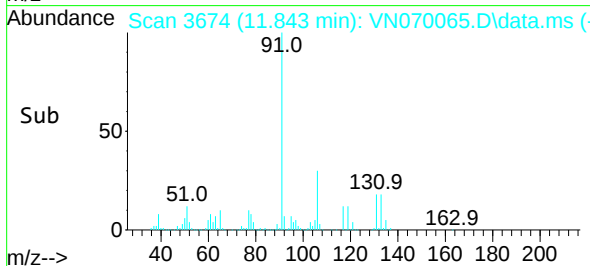
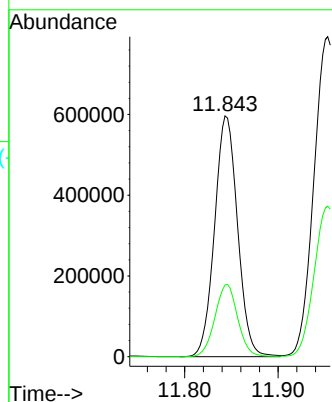
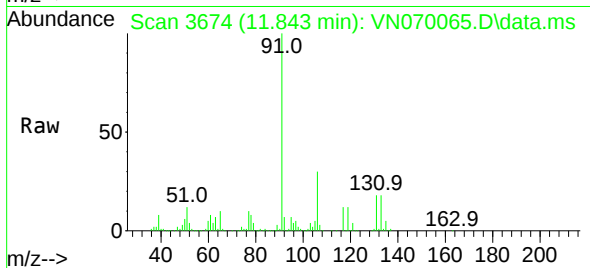
106 29.8 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2021

Supervised By :Mahesh Dadoda 12/21/2021



#68

m/p-Xylenes

Concen: 40.902 ug/l

RT: 11.953 min Scan# 3715

Delta R.T. 0.000 min

Lab File: VN070065.D

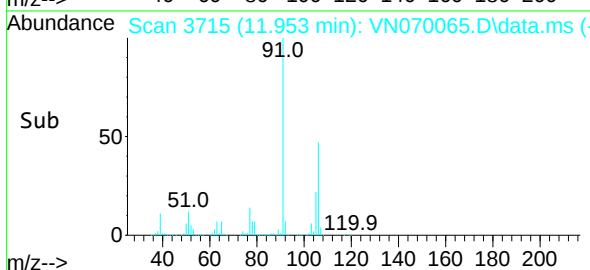
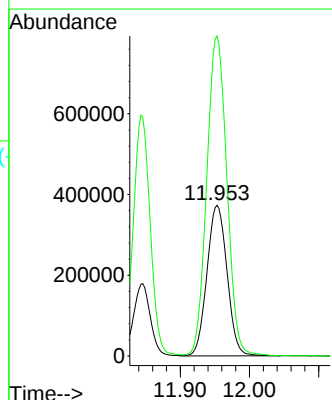
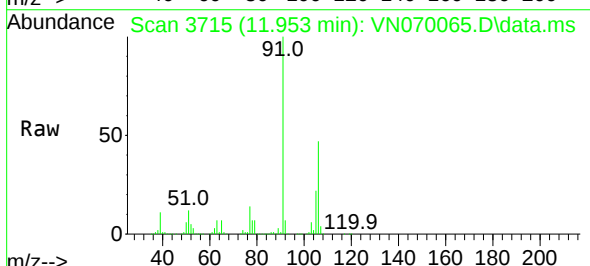
Acq: 14 Dec 2021 12:31

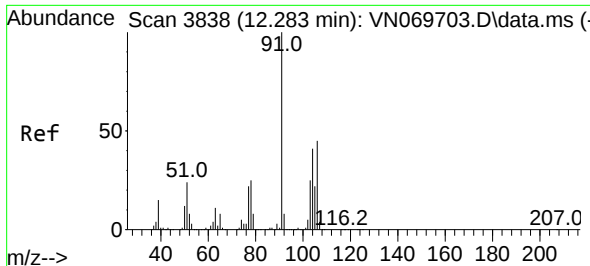
Tgt Ion:106 Resp: 751574

Ion Ratio Lower Upper

106 100

91 212.9 160.6 240.8





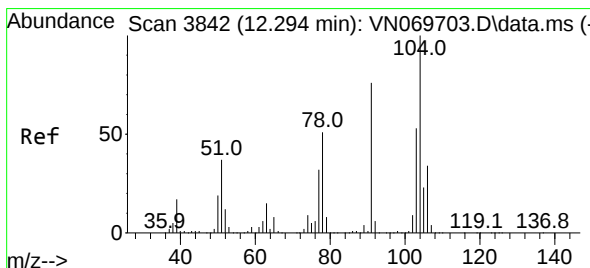
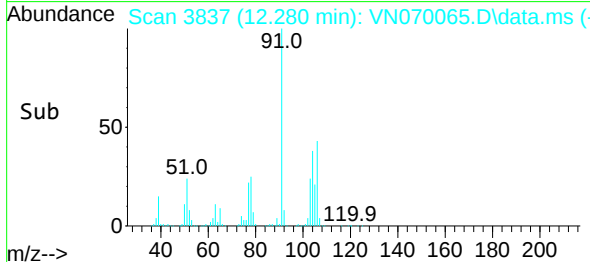
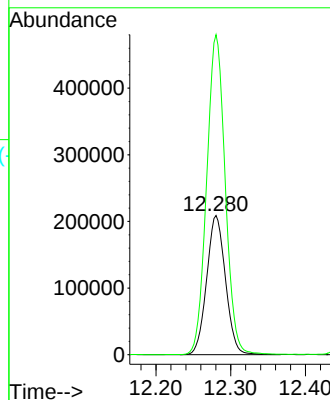
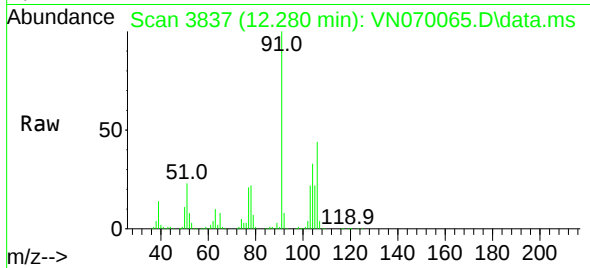
#69
o-Xylene
Concen: 19.730 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01

Tgt Ion:106 Resp: 36518
Ion Ratio Lower Upper
106 100
91 227.0 105.8 317.3

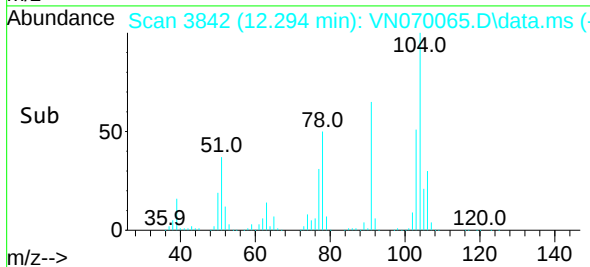
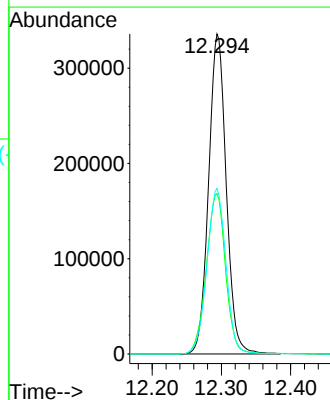
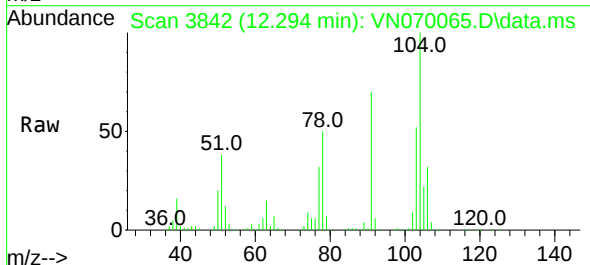
Manual Integrations
APPROVED

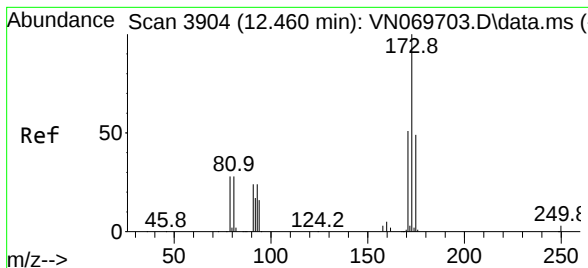
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#70
Styrene
Concen: 20.251 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Tgt Ion:104 Resp: 594354
Ion Ratio Lower Upper
104 100
78 54.7 38.7 58.1
103 55.7 45.0 67.6





#71

Bromoform

Concen: 20.469 ug/l

RT: 12.457 min Scan# 3903

Delta R.T. -0.003 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS01

Tgt Ion:173 Resp: 15692

Ion Ratio Lower Upper

173 100

175 48.2 24.2 72.6

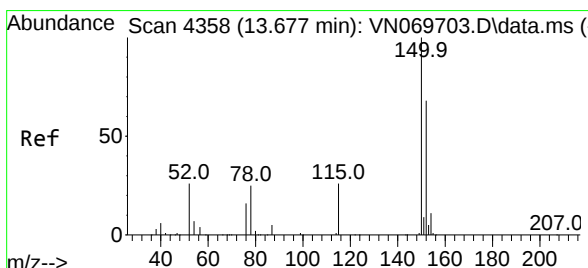
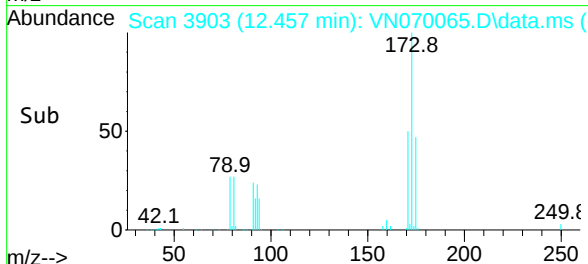
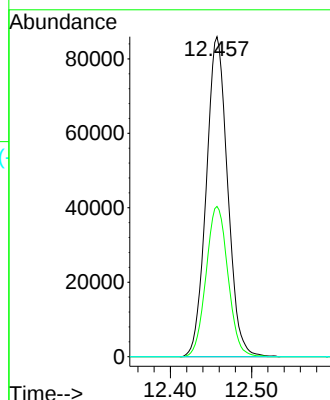
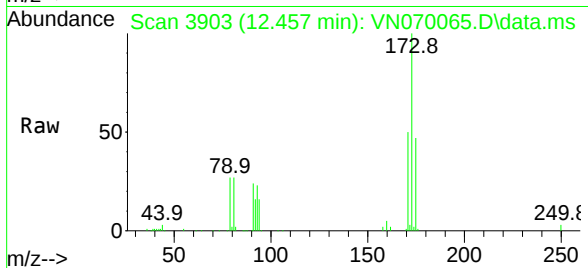
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2021

Supervised By :Mahesh Dadoda 12/21/2021



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 4357

Delta R.T. -0.003 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

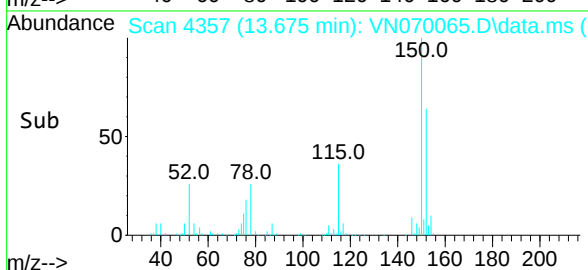
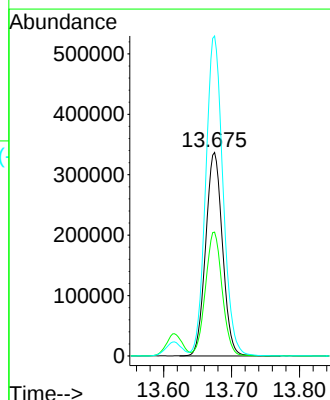
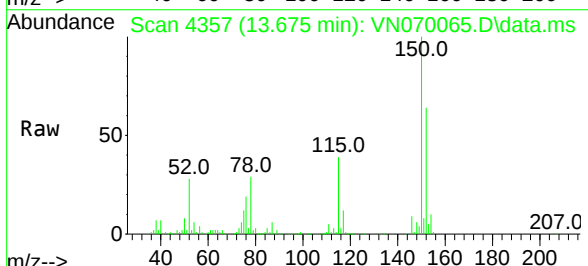
Tgt Ion:152 Resp: 578822

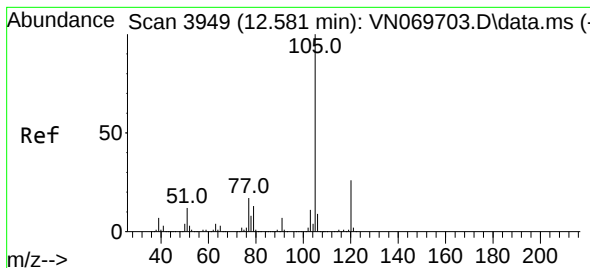
Ion Ratio Lower Upper

152 100

115 60.4 27.5 82.5

150 162.0 0.0 344.4





#73

Isopropylbenzene

Concen: 18.948 ug/l

RT: 12.578 min Scan# 3948

Delta R.T. -0.003 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS01

Tgt Ion:105 Resp: 97582

Ion Ratio Lower Upper

105 100

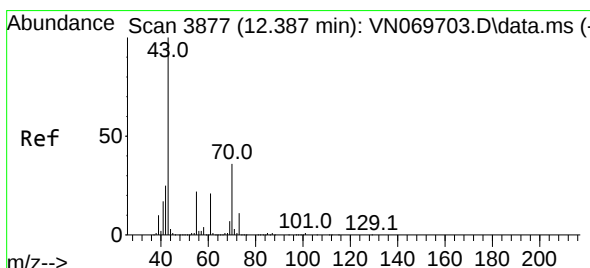
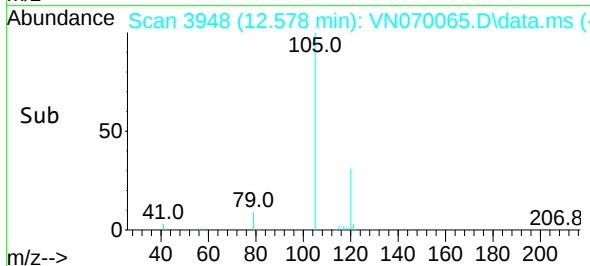
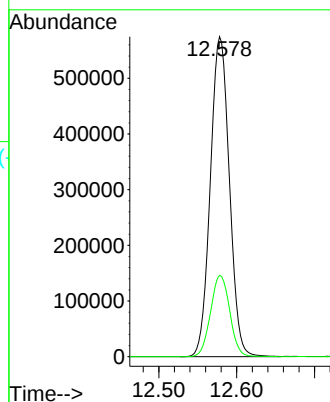
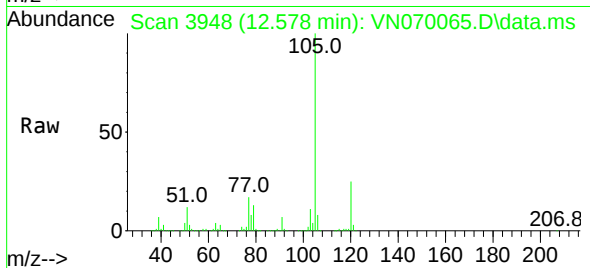
120 25.5 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2021

Supervised By :Mahesh Dadoda 12/21/2021



#74

N-aryl acetate

Concen: 17.123 ug/l

RT: 12.388 min Scan# 3877

Delta R.T. 0.000 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Tgt Ion: 43 Resp: 389978

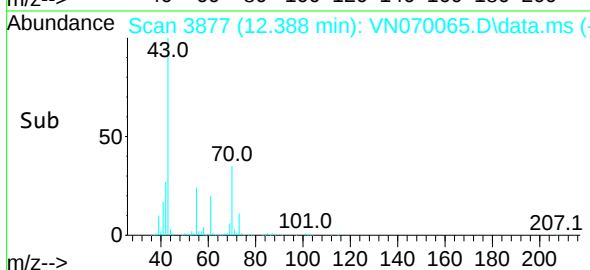
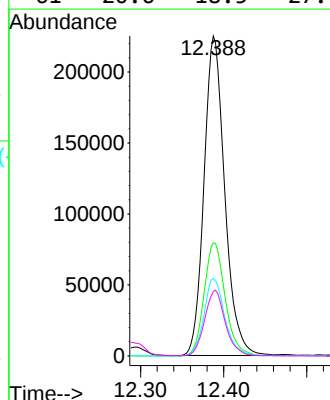
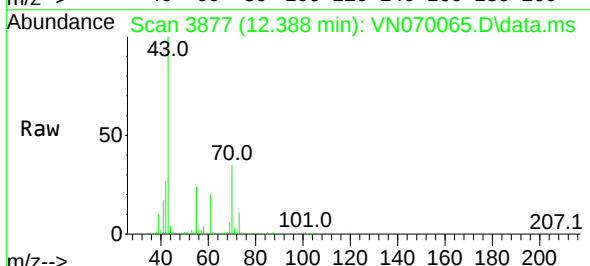
Ion Ratio Lower Upper

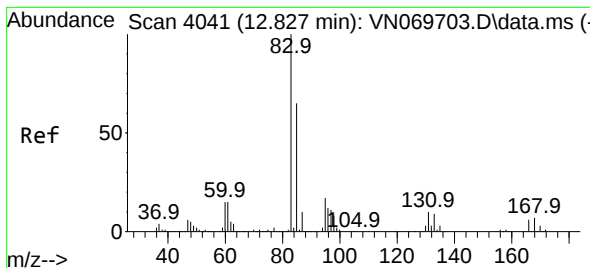
43 100

70 36.1 33.4 50.0

55 24.5 19.3 28.9

61 20.6 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.078 ug/l

RT: 12.827 min Scan# 4041

Delta R.T. 0.000 min

Lab File: VN070065.D

Acq: 14 Dec 2021 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN1214WBS01

Tgt Ion: 83 Resp: 33975

Ion Ratio Lower Upper

83 100

131 10.1 5.5 16.5

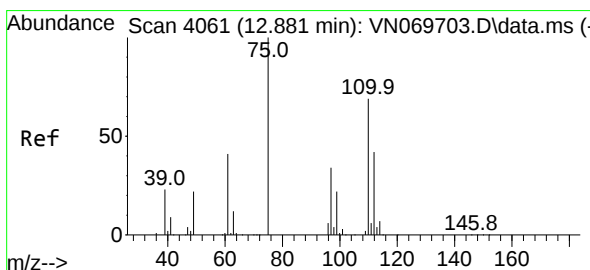
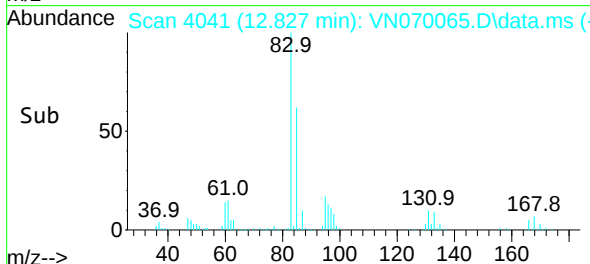
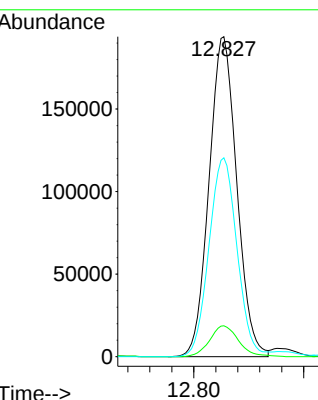
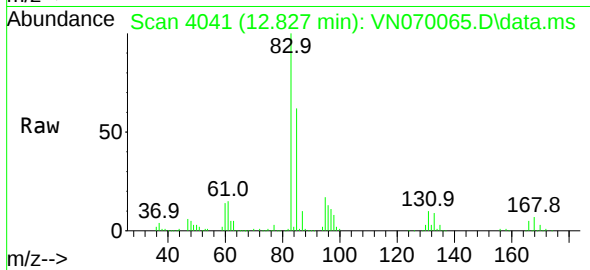
85 63.0 32.4 97.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2021

Supervised By :Mahesh Dadoda 12/21/2021



#76

1,2,3-Trichloropropane

Concen: 18.483 ug/l m

RT: 12.881 min Scan# 4061

Delta R.T. 0.000 min

Lab File: VN070065.D

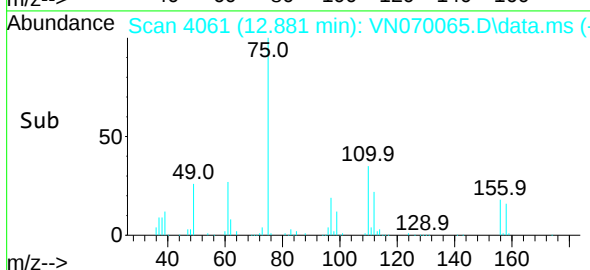
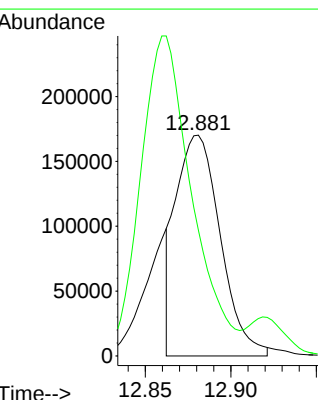
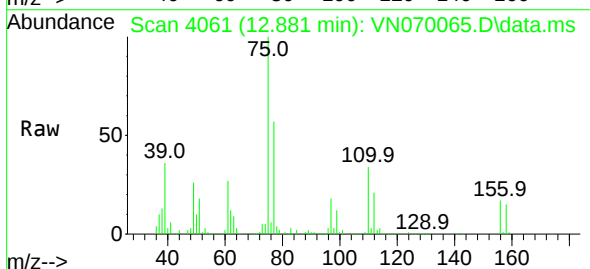
Acq: 14 Dec 2021 12:31

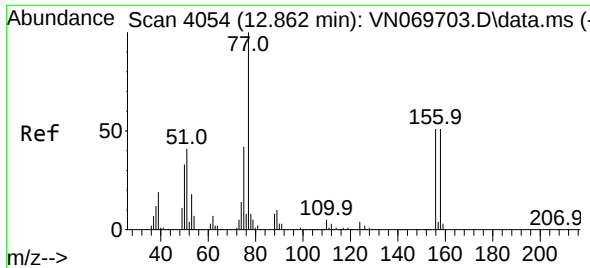
Tgt Ion: 75 Resp: 306808

Ion Ratio Lower Upper

75 100

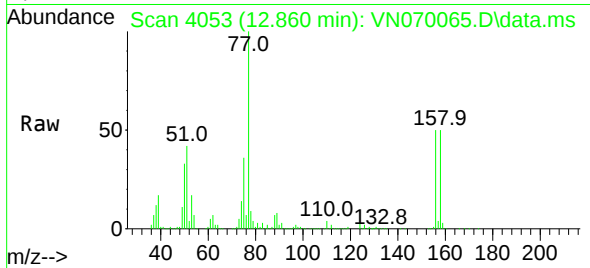
77 0.0 82.6 247.8#





#77
Bromobenzene
Concen: 18.691 ug/l
RT: 12.860 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

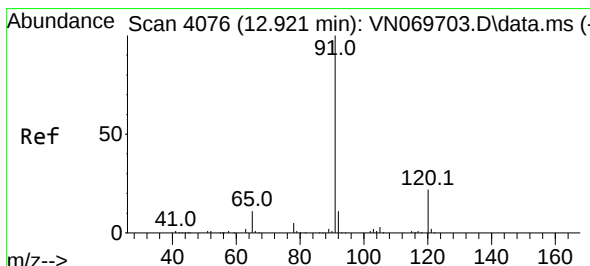
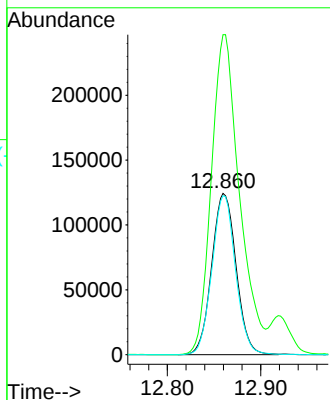
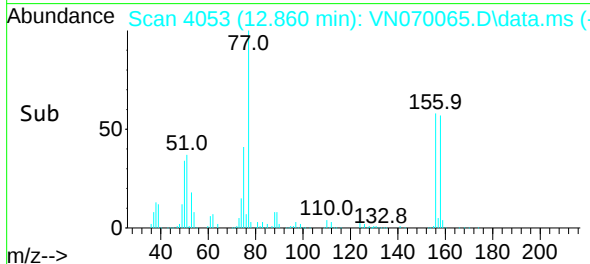
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion:156 Resp: 226091
Ion Ratio Lower Upper
156 100
77 227.9 90.6 271.8
158 95.4 48.9 146.7

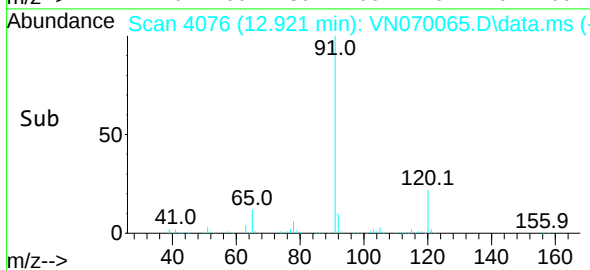
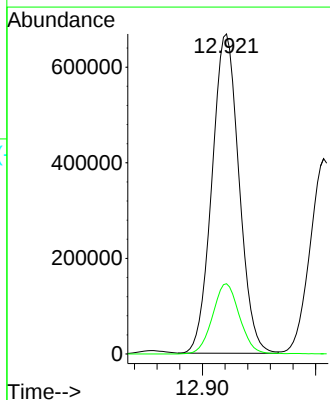
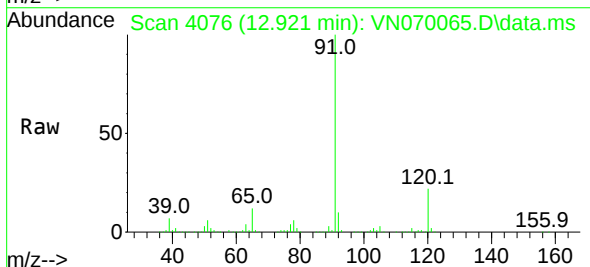
Manual Integrations
APPROVED

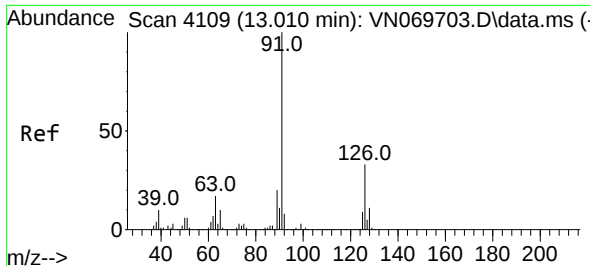
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#78
n-propylbenzene
Concen: 19.332 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Tgt Ion: 91 Resp: 1107872
Ion Ratio Lower Upper
91 100
120 21.9 11.9 35.9





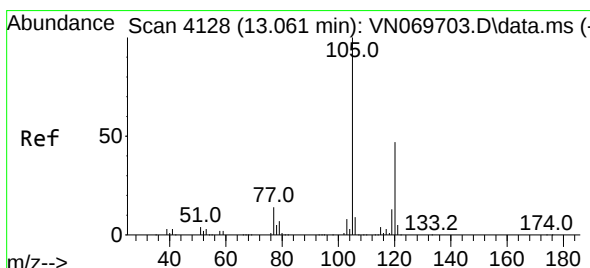
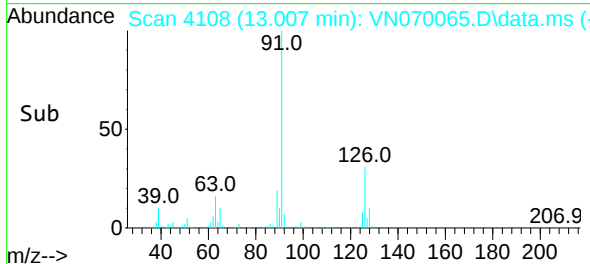
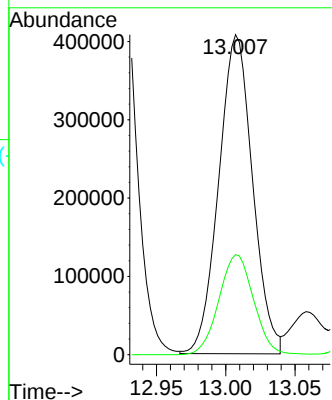
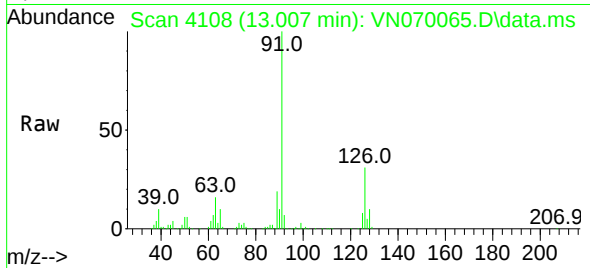
#79
2-Chlorotoluene
Concen: 19.125 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01

Tgt Ion: 91 Resp: 692544
Ion Ratio Lower Upper
91 100
126 32.2 18.3 54.8

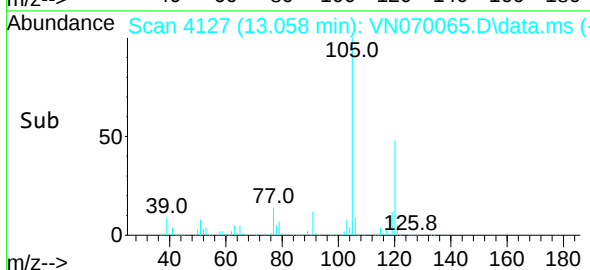
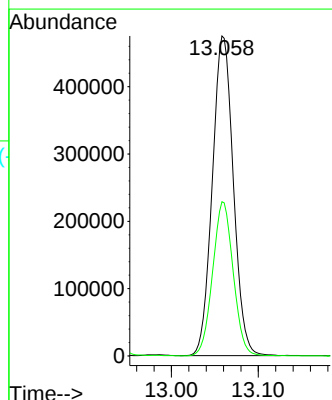
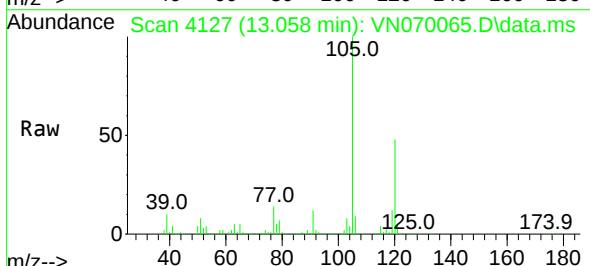
Manual Integrations
APPROVED

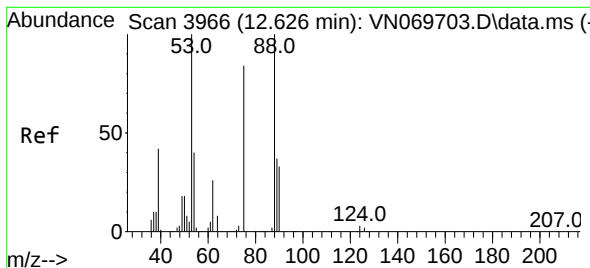
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#80
1,3,5-Trimethylbenzene
Concen: 19.237 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

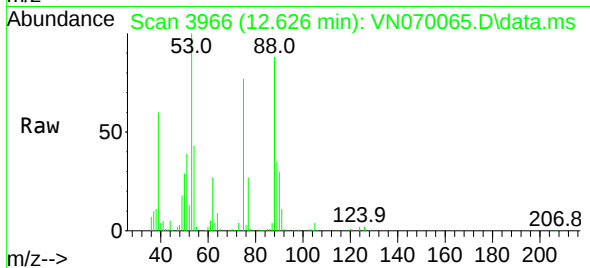
Tgt Ion:105 Resp: 797373
Ion Ratio Lower Upper
105 100
120 47.2 24.6 73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 18.405 ug/l
RT: 12.626 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

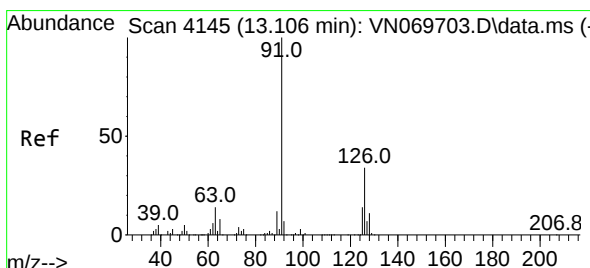
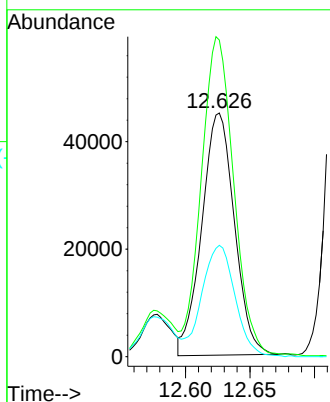
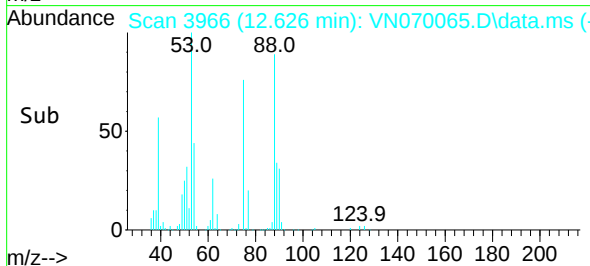
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion: 75 Resp: 7918
Ion Ratio Lower Upper
75 100
53 130.5 90.5 135.7
89 46.4 38.2 57.4

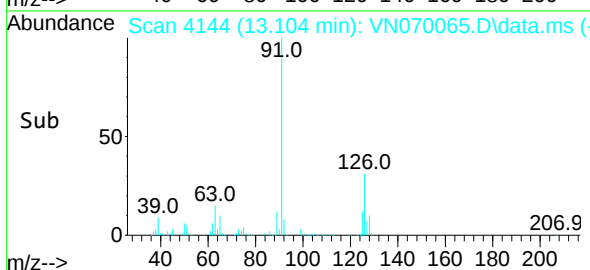
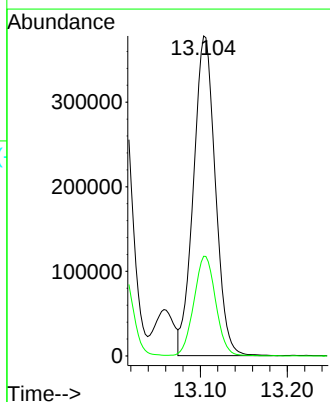
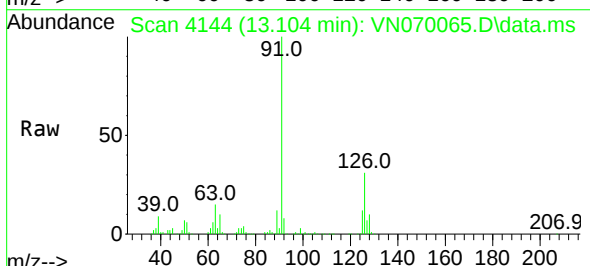
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#82
4-Chlorotoluene
Concen: 19.376 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

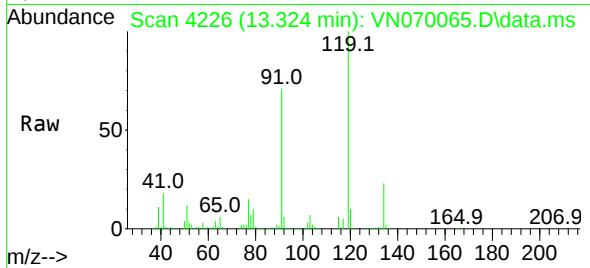
Tgt Ion: 91 Resp: 659841
Ion Ratio Lower Upper
91 100
126 31.1 18.2 54.6





#83
tert-Butylbenzene
Concen: 18.683 ug/l
RT: 13.324 min Scan# 4226
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

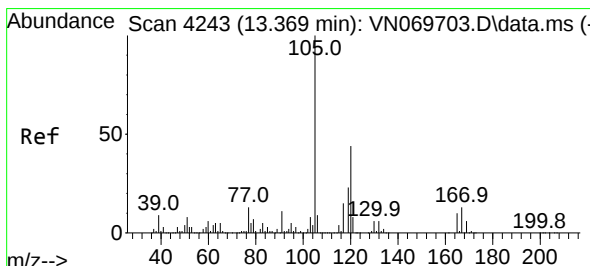
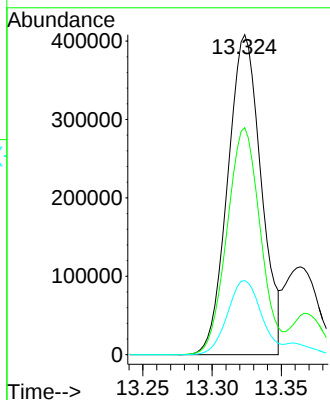
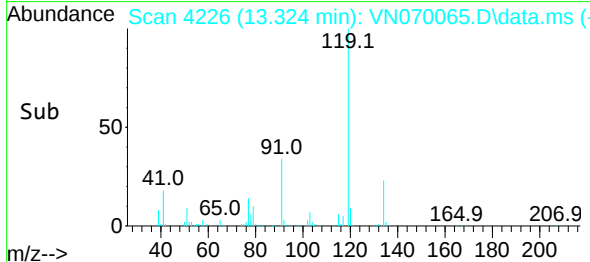
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



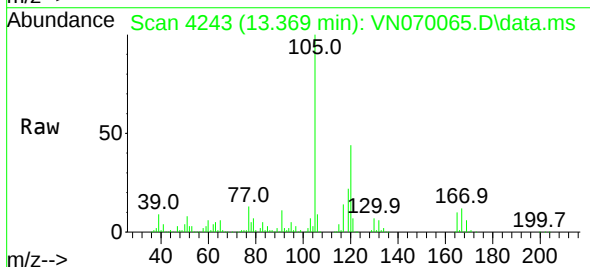
Tgt Ion:119 Resp: 685729
Ion Ratio Lower Upper
119 100
91 70.7 31.5 94.5
134 23.6 12.4 37.4

Manual Integrations
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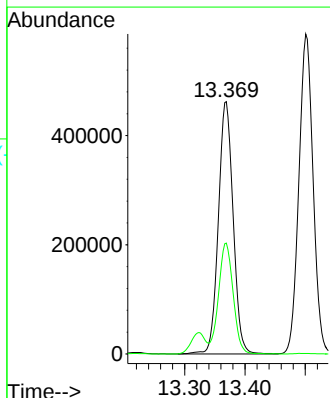
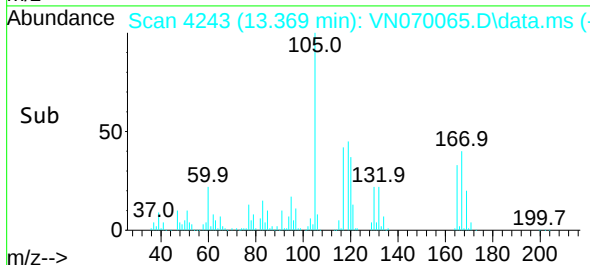
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021

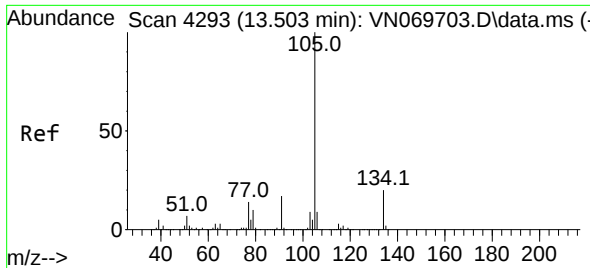


#84
1,2,4-Trimethylbenzene
Concen: 19.914 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31



Tgt Ion:105 Resp: 786129
Ion Ratio Lower Upper
105 100
120 43.2 22.8 68.4





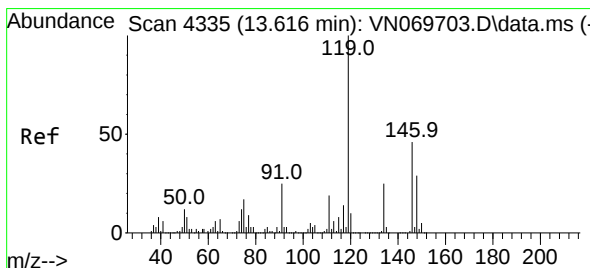
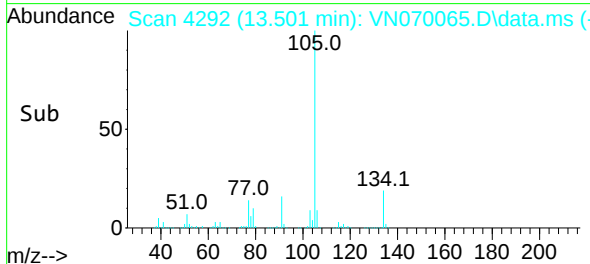
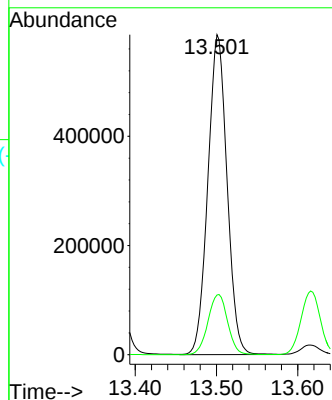
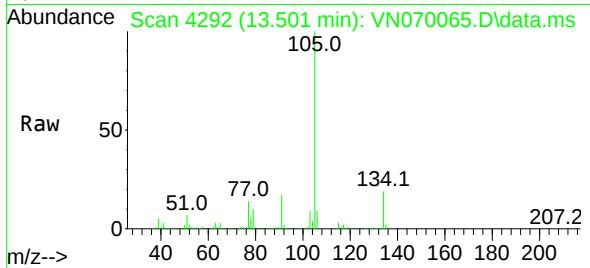
#85
 sec-Butylbenzene
 Concen: 19.229 ug/l
 RT: 13.501 min Scan# 4292
 Delta R.T. -0.003 min
 Lab File: VN070065.D
 Acq: 14 Dec 2021 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS01

Tgt Ion:105 Resp: 95732
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.4 31.1

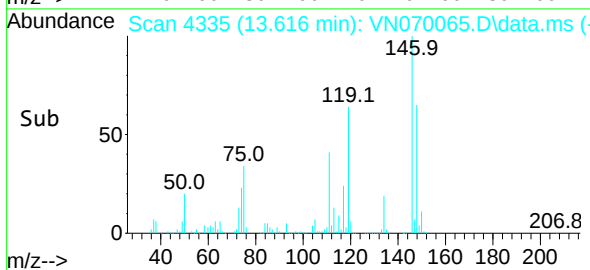
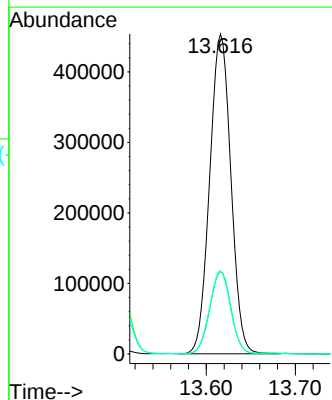
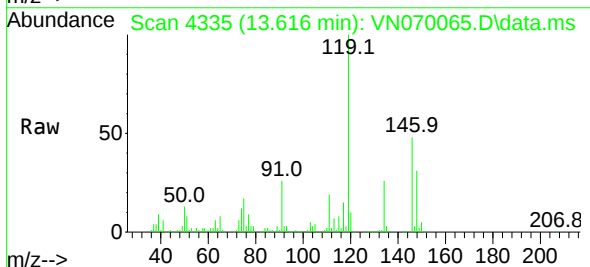
Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/15/2021
 Supervised By :Mahesh Dadoda 12/21/2021



#86
 p-Isopropyltoluene
 Concen: 19.253 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070065.D
 Acq: 14 Dec 2021 12:31

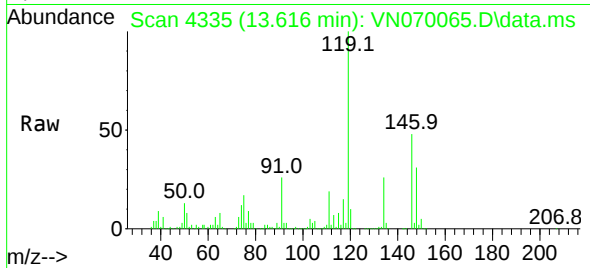
Tgt Ion:119 Resp: 749204
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.6 40.7
 91 25.7 11.4 34.1





#87
1,3-Dichlorobenzene
Concen: 19.151 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

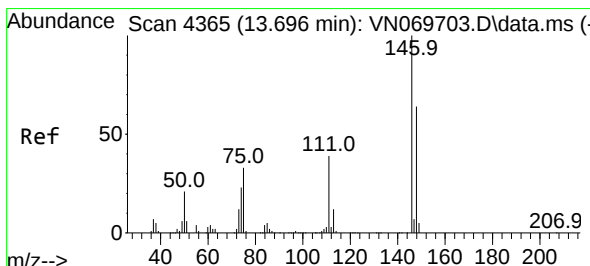
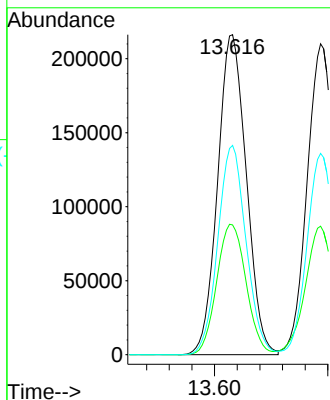
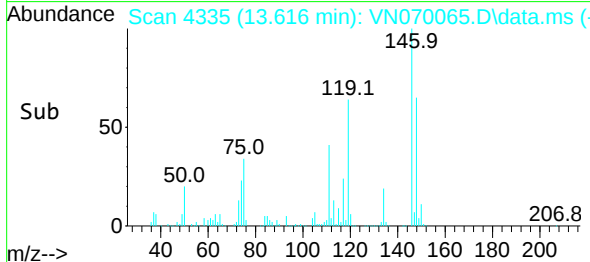
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



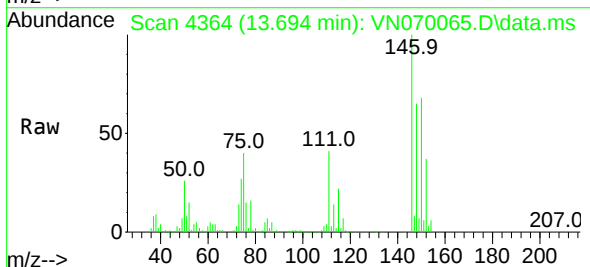
Tgt Ion:146 Resp: 380589
Ion Ratio Lower Upper
146 100
111 41.8 18.6 55.6
148 64.5 31.6 95.0

Manual Integrations
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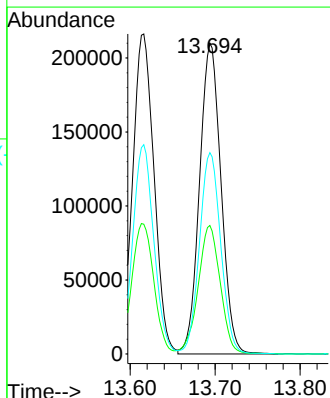
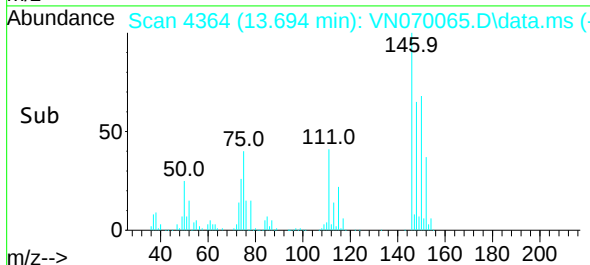
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#88
1,4-Dichlorobenzene
Concen: 18.892 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31



Tgt Ion:146 Resp: 368943
Ion Ratio Lower Upper
146 100
111 42.1 18.3 54.8
148 64.1 31.8 95.4





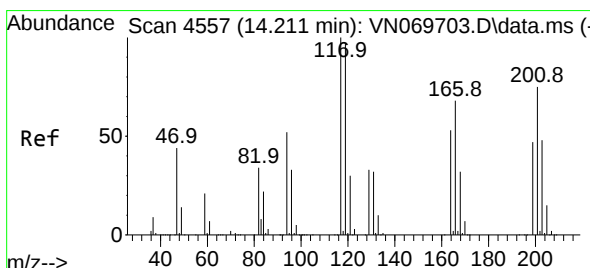
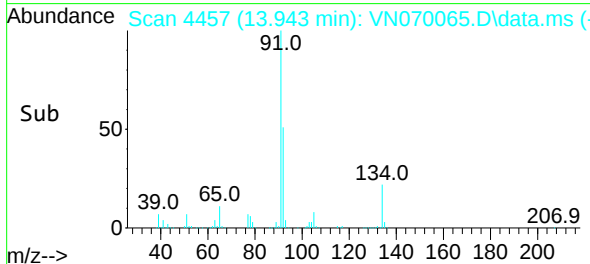
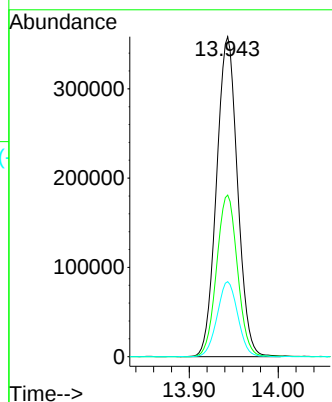
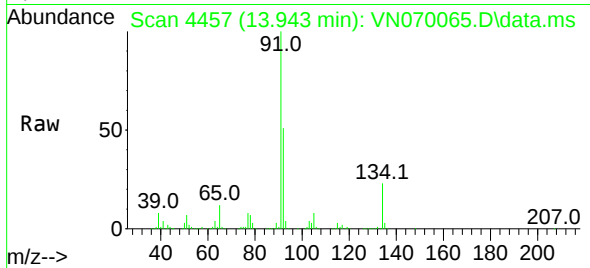
#89
n-Butylbenzene
Concen: 18.610 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01

Tgt Ion: 91 Resp: 58745
Ion Ratio Lower Upper
91 100
92 50.5 25.4 76.0
134 23.1 13.6 40.8

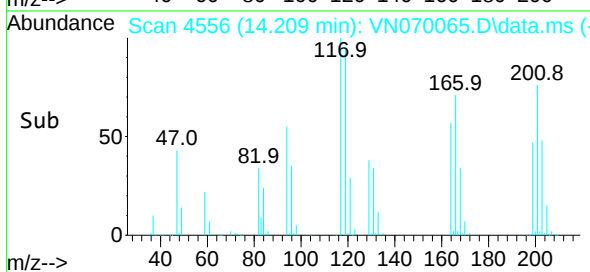
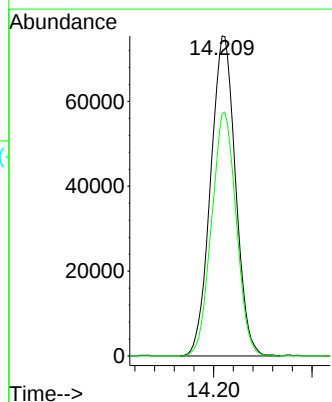
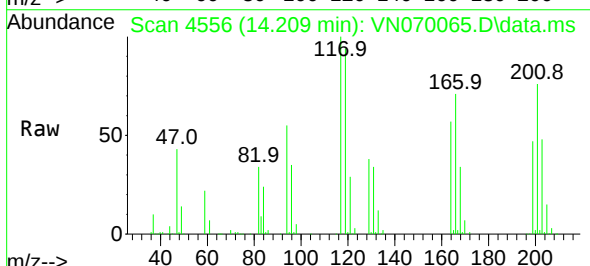
Manual Integrations
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Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#90
Hexachloroethane
Concen: 19.428 ug/l
RT: 14.209 min Scan# 4556
Delta R.T. -0.003 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

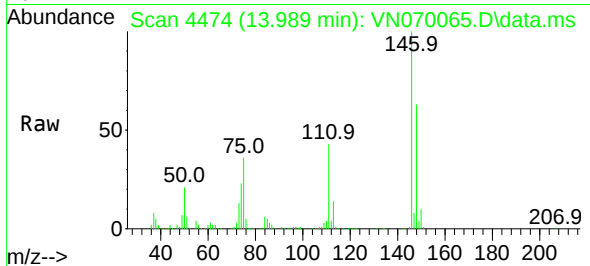
Tgt Ion:117 Resp: 132733
Ion Ratio Lower Upper
117 100
201 75.3 43.9 131.6





#91
1,2-Dichlorobenzene
Concen: 19.352 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

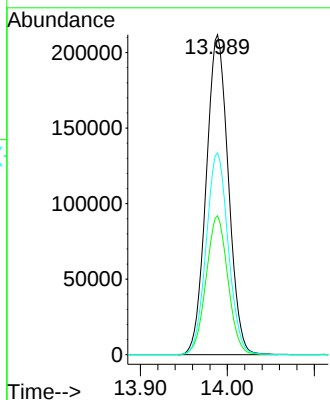
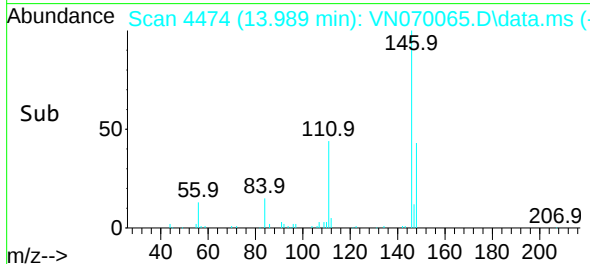
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



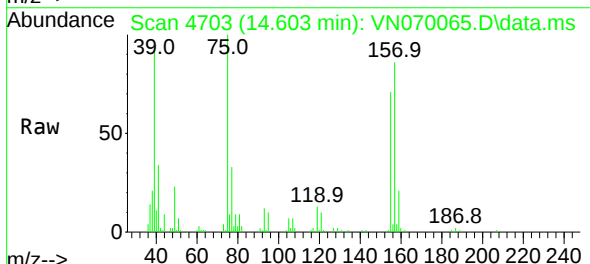
Tgt Ion:146 Resp: 374714
Ion Ratio Lower Upper
146 100
111 42.8 19.1 57.3
148 63.0 32.1 96.3

Manual Integrations
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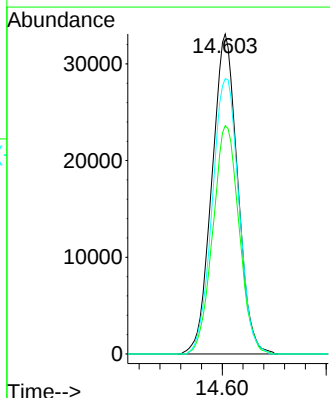
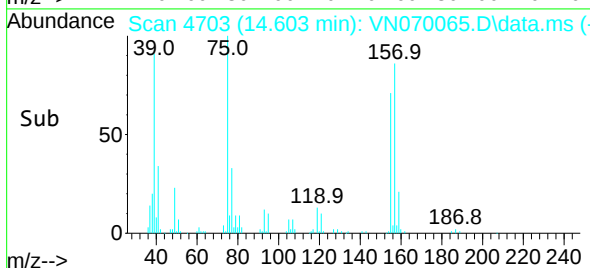
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021

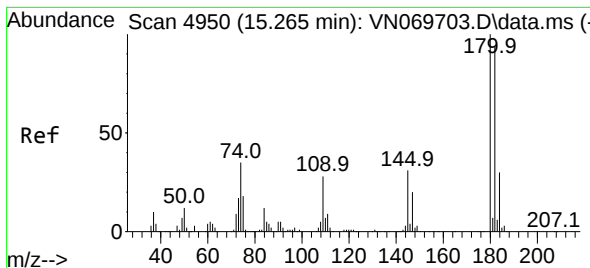


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.662 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31



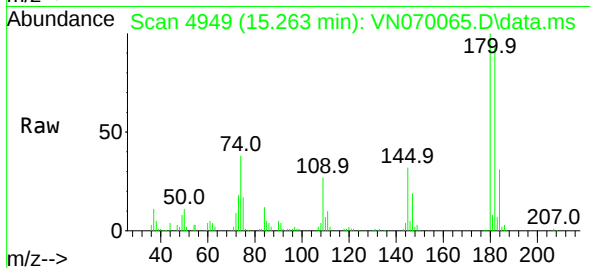
Tgt Ion: 75 Resp: 56837
Ion Ratio Lower Upper
75 100
155 72.9 46.9 140.7
157 89.1 60.6 181.7





#93
1,2,4-Trichlorobenzene
Concen: 18.139 ug/l
RT: 15.263 min Scan# 4950
Delta R.T. -0.002 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

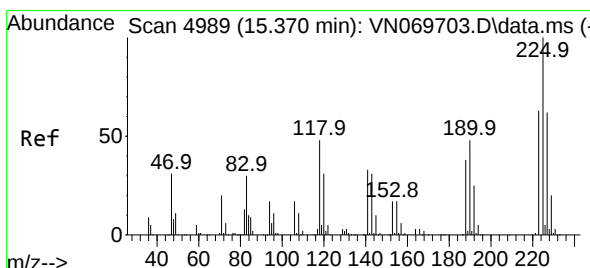
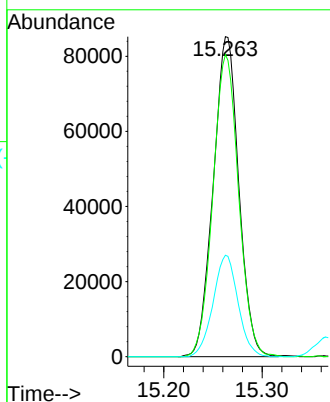
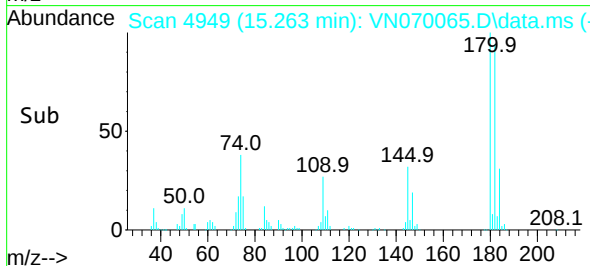
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



Tgt Ion:180 Resp: 153770
Ion Ratio Lower Upper
180 100
182 95.0 48.3 144.9
145 31.0 14.5 43.5

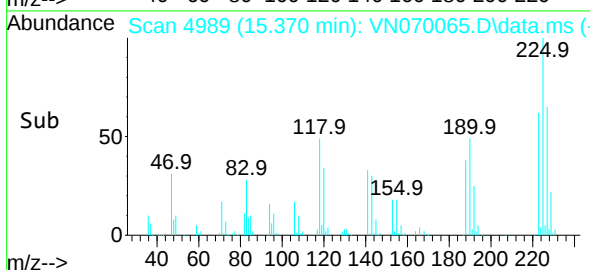
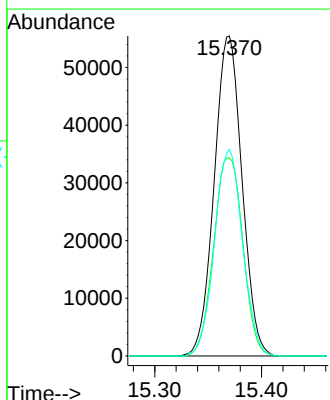
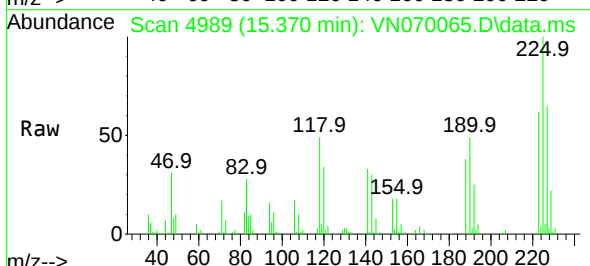
Manual Integrations
APPROVED

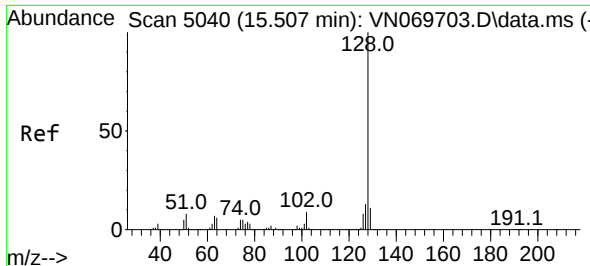
Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#94
Hexachlorobutadiene
Concen: 19.581 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. 0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

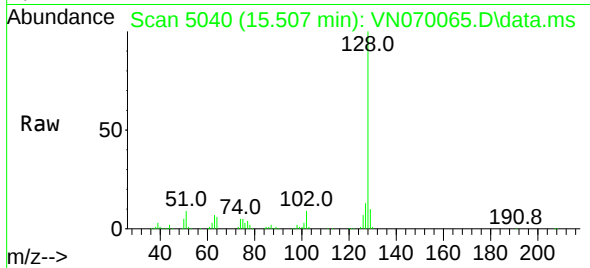
Tgt Ion:225 Resp: 100481
Ion Ratio Lower Upper
225 100
223 64.9 31.9 95.7
227 65.1 32.1 96.3





#95
Naphthalene
Concen: 16.042 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31

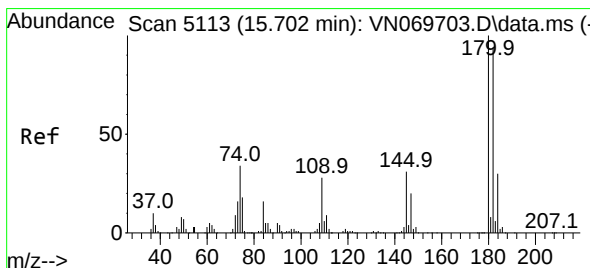
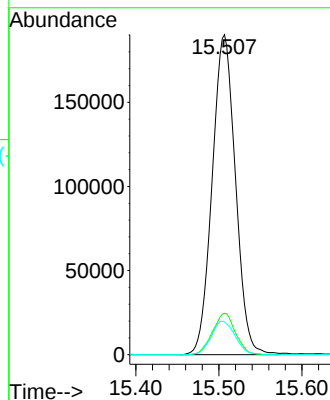
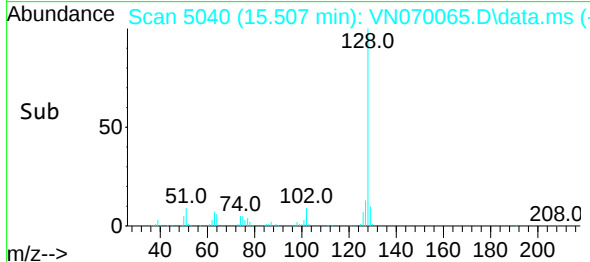
Instrument :
MSVOA_N
ClientSampleId :
VN1214WBS01



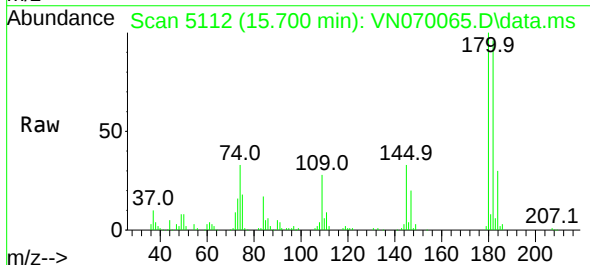
Tgt Ion:128 Resp: 370582
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.7 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/15/2021
Supervised By :Mahesh Dadoda 12/21/2021



#96
1,2,3-Trichlorobenzene
Concen: 17.843 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN070065.D
Acq: 14 Dec 2021 12:31



Tgt Ion:180 Resp: 149897
Ion Ratio Lower Upper
180 100
182 97.2 47.4 142.2
145 32.9 15.0 45.1

