

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070027.D
 Acq On : 13 Dec 2021 11:10
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 13:20:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 13 13:20:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	183508	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1019637	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.744	117	952969	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	486968	30.598	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.000%			
60) 4-Bromofluorobenzene	12.731	95	472509	30.984	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.267%			
63) Toluene-d8	10.440	98	1314718	29.879	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	686961	50.661	ug/l	100
3) Chloromethane	2.303	50	760347	53.779	ug/l	96
4) Vinyl Chloride	2.448	62	725197	50.586	ug/l	100
5) Bromomethane	2.856	94	390075	42.485	ug/l	98
6) Chloroethane	3.022	64	420283	46.466	ug/l	99
7) Trichlorofluoromethane	3.379	101	939726	44.722	ug/l	98
8) Diethyl Ether	3.827	74	368902	55.618	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.210	101	546662	56.222	ug/l #	71
10) 1,1-Dichloroethene	4.183	96	523092	57.041	ug/l	85
11) Methyl Iodide	4.422	142	747667	58.516	ug/l	96
12) Methyl Acetate	4.857	43	1307930m	49.523	ug/l	
13) Acrolein	4.041	56	496524	683.790	ug/l	100
14) Acrylonitrile	5.557	53	1896196	263.164	ug/l	100
15) Acetone	4.285	58	730357	304.199	ug/l	77
16) Carbon Disulfide	4.529	76	1572169	68.586	ug/l	98
17) Allyl chloride	4.840	41	1183767	60.734	ug/l	88
18) Methylene Chloride	5.098	84	621576	53.204	ug/l #	85
19) trans-1,2-Dichloroethene	5.597	96	557163	55.365	ug/l #	82
20) Diisopropyl ether	6.498	45	2282587	54.653	ug/l #	93
21) 1,1-Dichloroethane	6.388	63	1192275	56.271	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	656239	52.578	ug/l	89
23) tert-Butyl Alcohol	5.374	59	562627	224.363	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	1887546	51.358	ug/l	95
25) Chloroform	7.817	83	1172731	53.531	ug/l	99
26) Cyclohexane	8.096	56	1116485	55.500	ug/l #	84
29) 1,1-Dichloropropene	8.222	75	869514	55.864	ug/l	95
30) 2-Butanone	7.335	43	3188542	283.019	ug/l #	91
31) 2,2-Dichloropropane	7.327	77	909625	55.280	ug/l	97
32) 1,1,1-Trichloroethane	8.013	97	1012985	55.749	ug/l #	94
33) Carbon Tetrachloride	8.206	117	902757	60.154	ug/l	99
34) Benzene	8.461	78	2602962	54.993	ug/l	99
35) Methacrylonitrile	7.638	41	564361	54.617	ug/l	88
36) 1,2-Dichloroethane	8.531	62	1028777	56.377	ug/l	97
37) Trichloroethene	9.217	130	615915	53.862	ug/l	91
38) Methylcyclohexane	9.459	83	1050352	54.545	ug/l	88
39) 1,2-Dichloropropane	9.488	63	694434	55.395	ug/l	99
40) Dibromomethane	9.577	93	454789	54.169	ug/l	95
41) Bromodichloromethane	9.762	83	963108	61.116	ug/l	95
42) Vinyl Acetate	6.434	43	9044754	284.082	ug/l #	94

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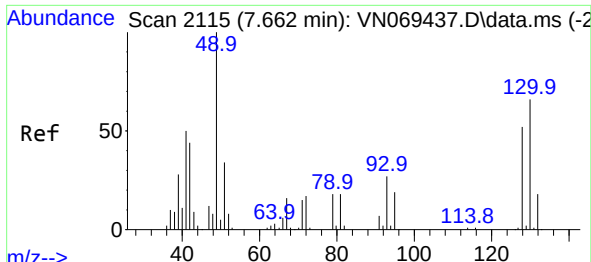
Manual Integrations
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 Supervised By : Amit Patel 12/15/2021

Quant Time: Dec 13 13:20:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	1089837	52.199	ug/l	98
44) Isopropyl Acetate	8.560	43	1701774	52.281	ug/l	96
45) 1,4-Dioxane	9.569	88	241826	915.213	ug/l #	85
46) Methyl methacrylate	9.561	41	800791	53.417	ug/l	81
47) n-amyl Acetate	12.388	43	1219974	48.807	ug/l	97
48) t-1,3-Dichloropropene	10.719	75	984317	58.203	ug/l	98
49) cis-1,3-Dichloropropene	10.188	75	1060903	57.649	ug/l	94
50) 1,1,2-Trichloroethane	10.899	97	617626	51.804	ug/l	96
51) Ethyl methacrylate	10.760	69	1012596	50.658	ug/l	90
52) 1,3-Dichloropropane	11.044	76	1095728	53.207	ug/l	99
53) Dibromochloromethane	11.240	129	702711	61.680	ug/l	98
54) 1,2-Dibromoethane	11.344	107	634204	51.364	ug/l	96
55) 2-Chloroethyl vinyl ether	10.041	63	953513	209.714	ug/l	96
56) Bromoform	12.457	173	533821	65.342	ug/l #	100
58) 4-Methyl-2-Pentanone	10.330	43	5632242	269.248	ug/l #	94
59) 2-Hexanone	11.084	43	4236910	266.272	ug/l	95
61) Tetrachloroethene	10.977	164	543124	53.100	ug/l	94
62) Toluene	10.505	91	2775914	53.009	ug/l	98
64) Chlorobenzene	11.771	112	1633207	51.983	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.840	131	627166	56.700	ug/l	99
66) Ethyl Benzene	11.843	91	3125175	53.916	ug/l	100
67) m/p-Xylenes	11.953	106	2285205	106.147	ug/l	94
68) o-Xylene	12.280	106	1126514	52.260	ug/l	94
69) Styrene	12.294	104	1854998	53.080	ug/l	97
70) Isopropylbenzene	12.578	105	2963633	52.570	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	968801	52.080	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	911972m	50.325	ug/l	
73) Bromobenzene	12.860	156	675910	52.012	ug/l	91
74) n-propylbenzene	12.919	91	3455210	53.367	ug/l	98
75) 2-Chlorotoluene	13.007	91	2082889	52.848	ug/l	95
76) 1,3,5-Trimethylbenzene	13.058	105	2438480	52.701	ug/l	99
77) t-1,4-Dichloro-2-butene	12.624	75	287437	58.760	ug/l	92
78) 4-Chlorotoluene	13.104	91	2007263	53.181	ug/l	94
79) tert-butylbenzene	13.324	119	2105334	51.725	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	2362860m	52.349	ug/l	
81) sec-Butylbenzene	13.501	105	2965689	52.076	ug/l	100
82) p-Isopropyltoluene	13.616	119	2375019	52.268	ug/l	100
83) 1,3-Dichlorobenzene	13.616	146	1169319	52.628	ug/l	99
84) 1,4-Dichlorobenzene	13.694	146	1128485	52.354	ug/l	99
85) n-Butylbenzene	13.943	91	1978453	52.168	ug/l	99
86) Hexachloroethane	14.209	117	468267	62.268	ug/l	88
87) 1,2-Dichlorobenzene	13.989	146	1127421	52.577	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	189346	58.146	ug/l	96
89) 1,2,4-Trichlorobenzene	15.263	180	536712	52.201	ug/l	98
90) Hexachlorobutadiene	15.370	225	315550	56.754	ug/l	99
91) Naphthalene	15.504	128	1404267	47.412	ug/l	99
92) 1,2,3-Trichlorobenzene	15.700	180	510509	50.508	ug/l	99

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



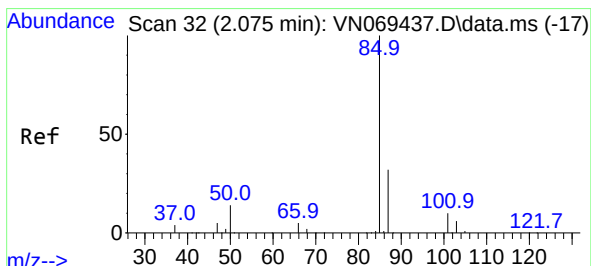
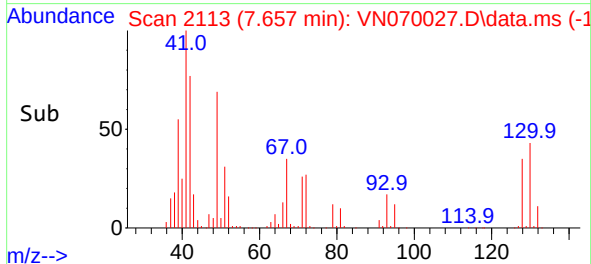
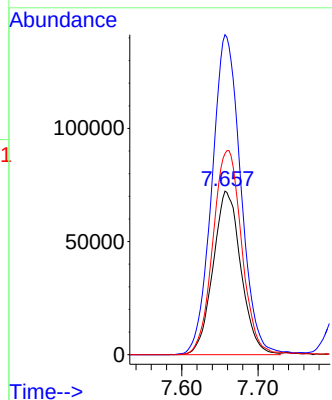
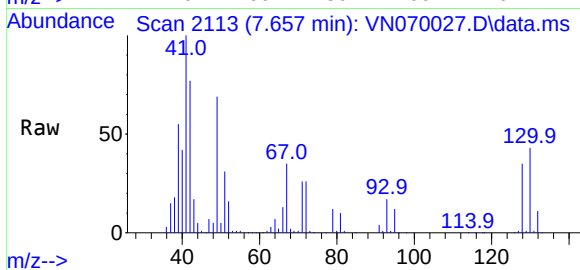
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 21
Delta R.T. -0.002 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:128 Resp: 183508
Ion Ratio Lower Upper
128 100
49 201.9 0.0 392.3
130 128.7 0.0 320.2

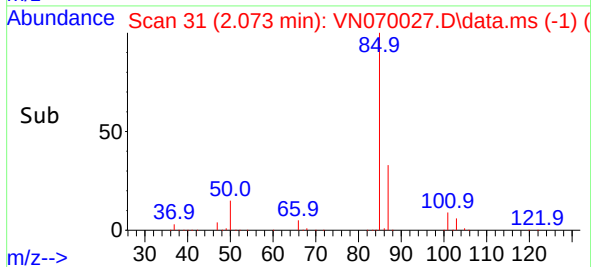
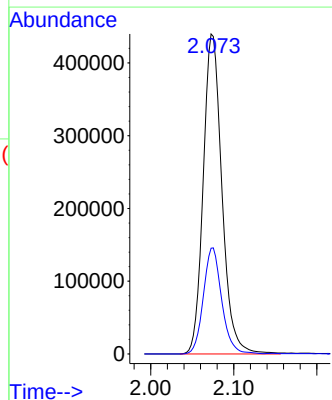
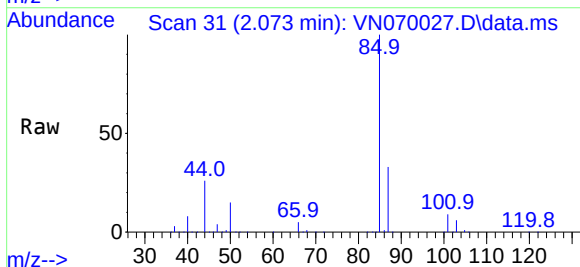
Manual Integrations
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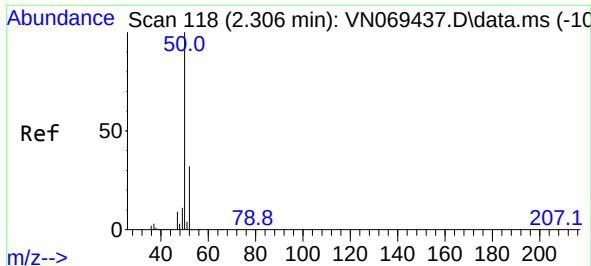
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#2
Dichlorodifluoromethane
Concen: 50.661 ug/l
RT: 2.073 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

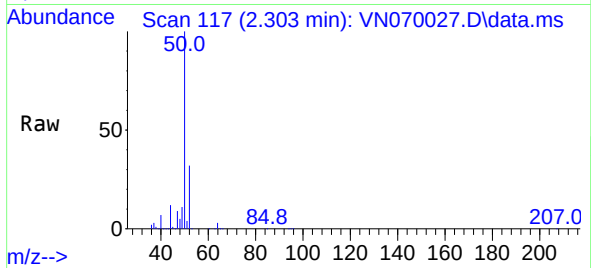
Tgt Ion: 85 Resp: 686961
Ion Ratio Lower Upper
85 100
87 33.1 16.6 49.7





#3
Chloromethane
Concen: 53.779 ug/l
RT: 2.303 min Scan# 118
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

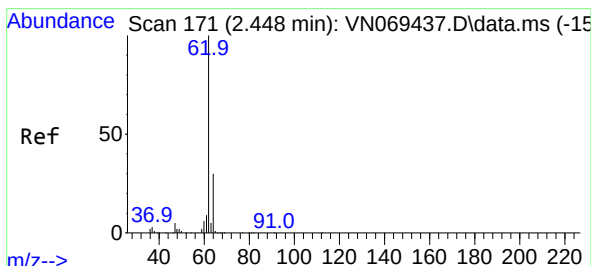
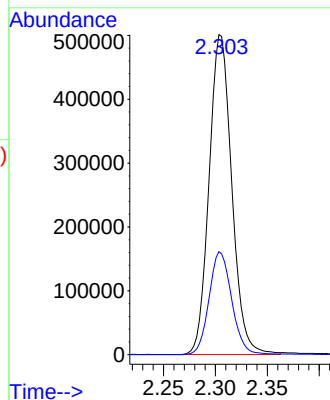
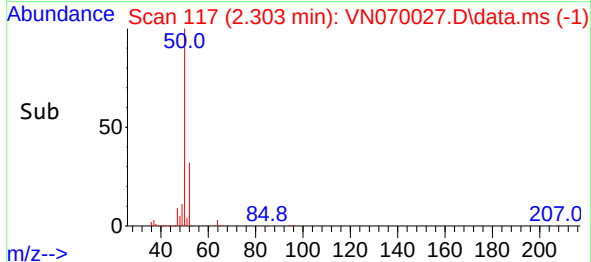
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 50 Resp: 76034
Ion Ratio Lower Upper
50 100
52 32.2 27.8 41.6

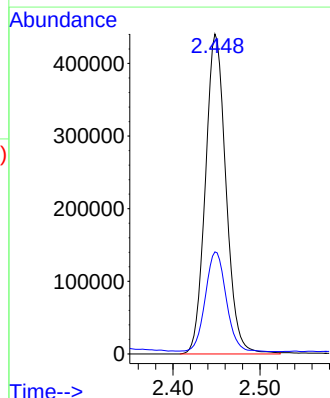
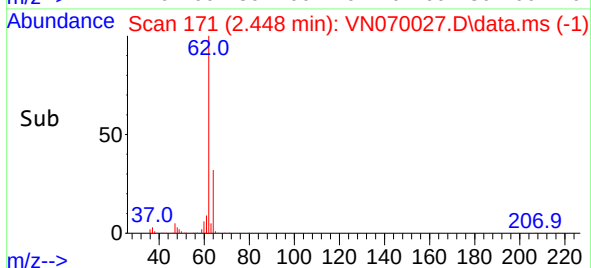
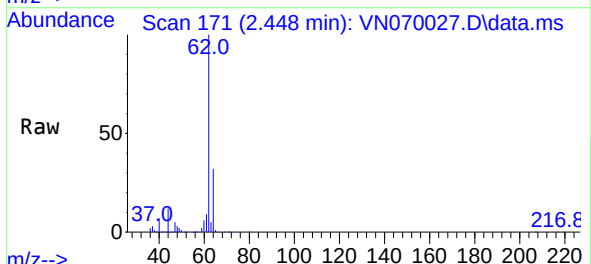
Manual Integrations
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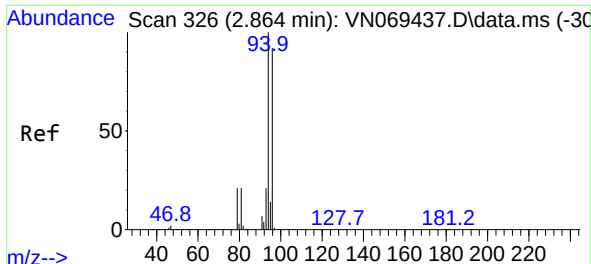
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#4
Vinyl Chloride
Concen: 50.586 ug/l
RT: 2.448 min Scan# 171
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

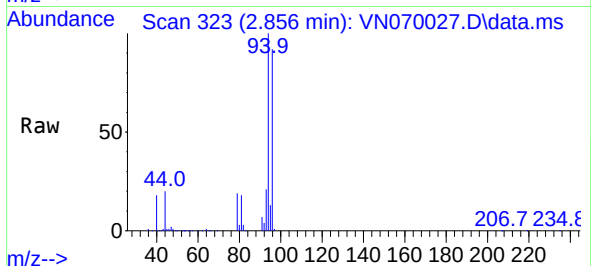
Tgt Ion: 62 Resp: 725197
Ion Ratio Lower Upper
62 100
64 31.2 25.1 37.7





#5
Bromomethane
Concen: 42.485 ug/l
RT: 2.856 min Scan# 31
Delta R.T. -0.008 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

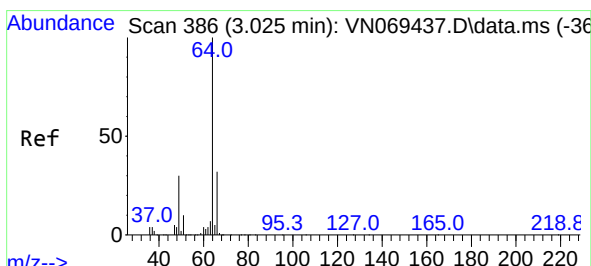
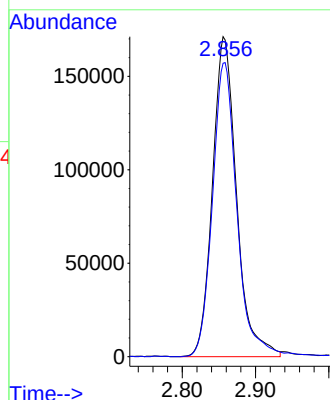
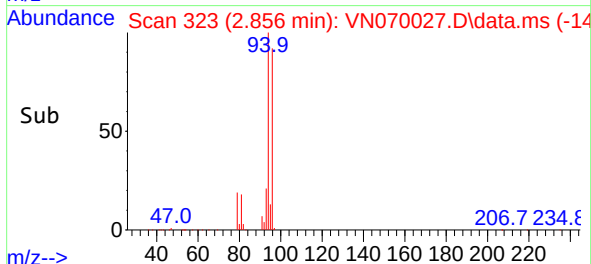
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



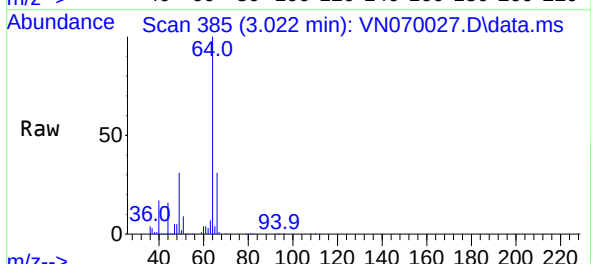
Tgt Ion: 94 Resp: 390075
Ion Ratio Lower Upper
94 100
96 91.7 75.2 112.8

Manual Integrations
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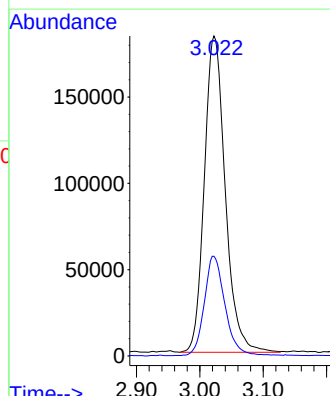
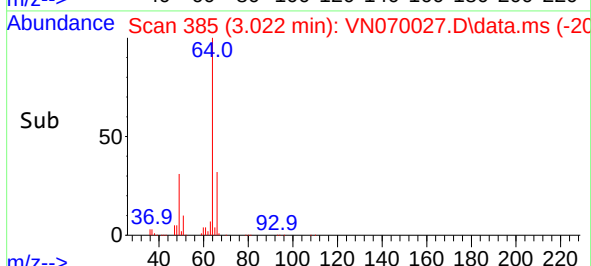
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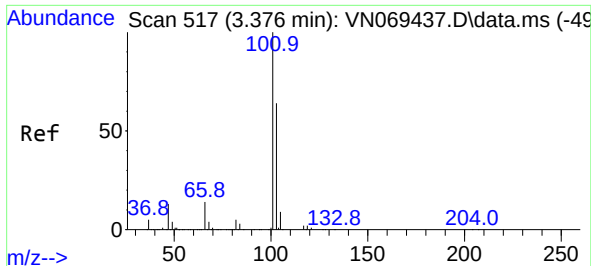


#6
Chloroethane
Concen: 46.466 ug/l
RT: 3.022 min Scan# 385
Delta R.T. -0.008 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10



Tgt Ion: 64 Resp: 420283
Ion Ratio Lower Upper
64 100
66 31.4 24.6 36.8





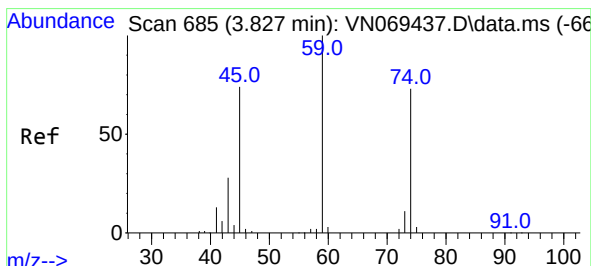
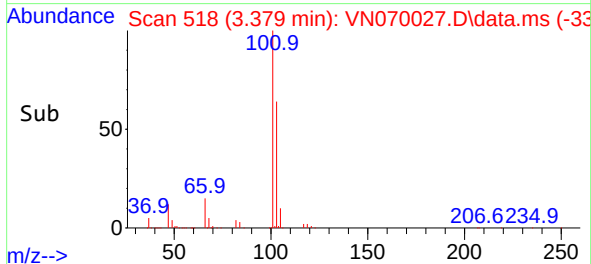
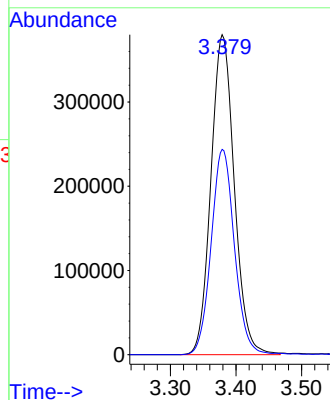
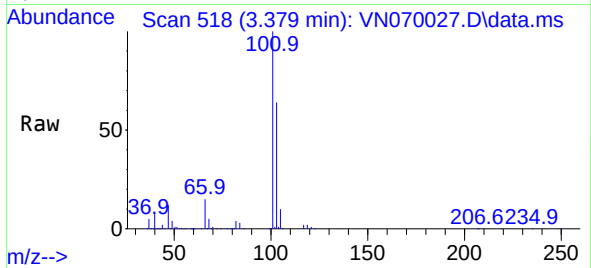
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Trichlorofluoromethane
Concen: 44.722 ug/l
RT: 3.379 min Scan# 517
Delta R.T. -0.005 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
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Tgt Ion:101 Resp: 939720
Ion Ratio Lower Upper
101 100
103 64.2 50.1 75.1

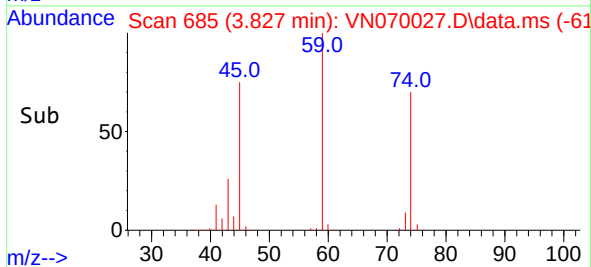
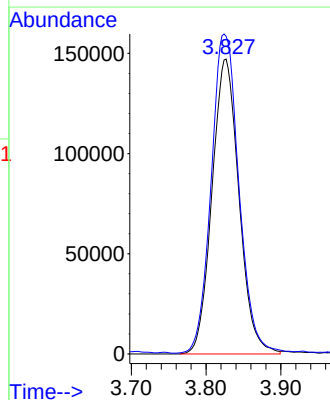
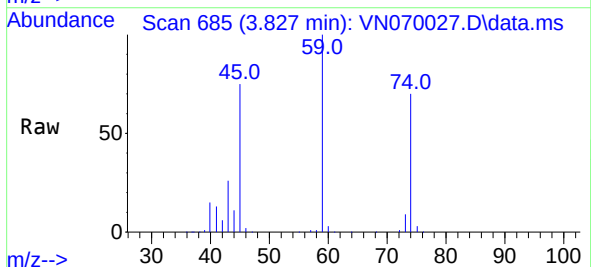
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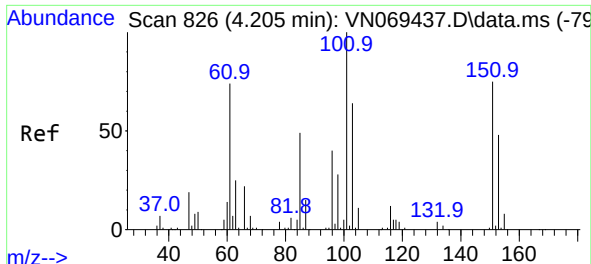
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#8
Diethyl Ether
Concen: 55.618 ug/l
RT: 3.827 min Scan# 685
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion: 74 Resp: 368902
Ion Ratio Lower Upper
74 100
45 111.0 17.6 158.8





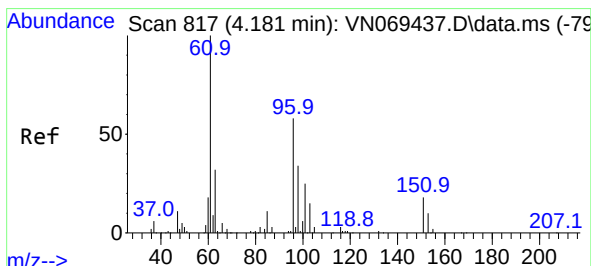
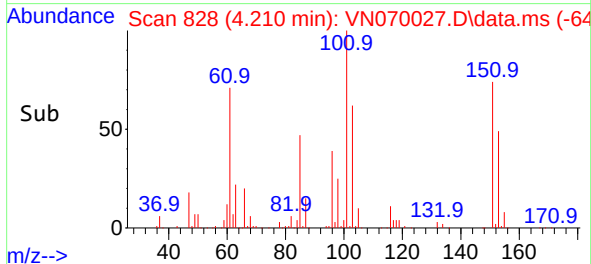
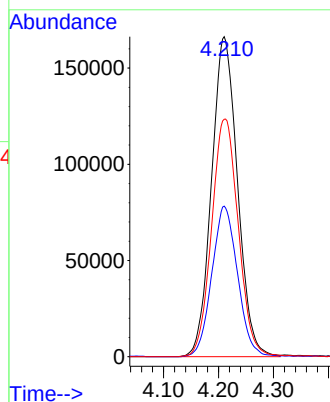
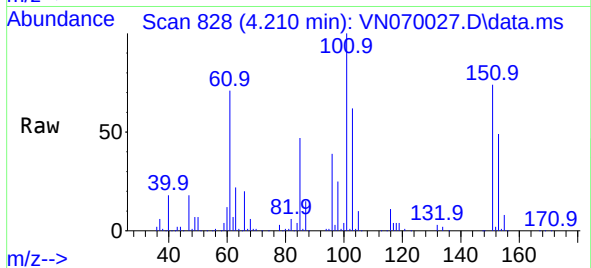
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1,1,2-Trichlorotrifluoroethane
Concen: 56.222 ug/l
RT: 4.210 min Scan# 81
Delta R.T. -0.005 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:101 Resp: 546662
Ion Ratio Lower Upper
101 100
85 46.7 0.0 94.0
151 76.3 0.0 74.6

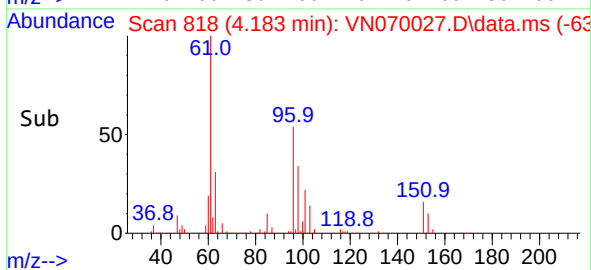
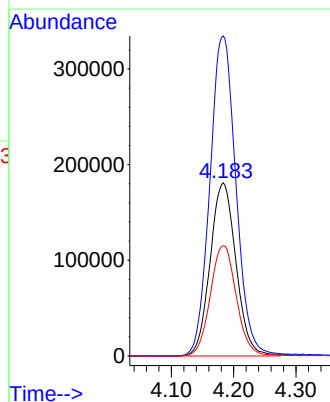
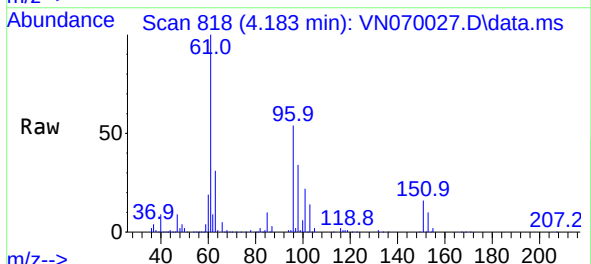
Manual Integrations
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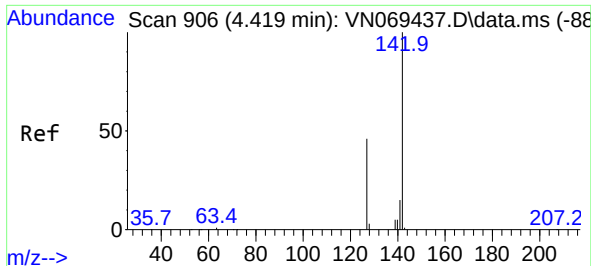
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#10
1,1-Dichloroethene
Concen: 57.041 ug/l
RT: 4.183 min Scan# 818
Delta R.T. -0.005 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

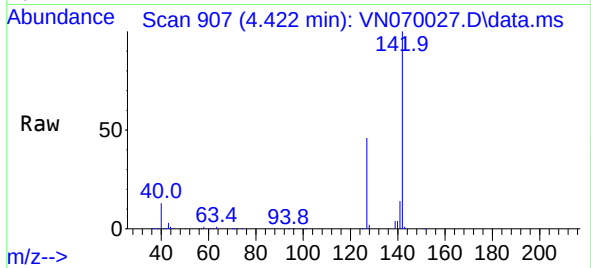
Tgt Ion: 96 Resp: 523092
Ion Ratio Lower Upper
96 100
61 184.6 126.2 189.4
98 63.7 50.9 76.3





#11
Methyl Iodide
Concen: 58.516 ug/l
RT: 4.422 min Scan# 906
Delta R.T. -0.005 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

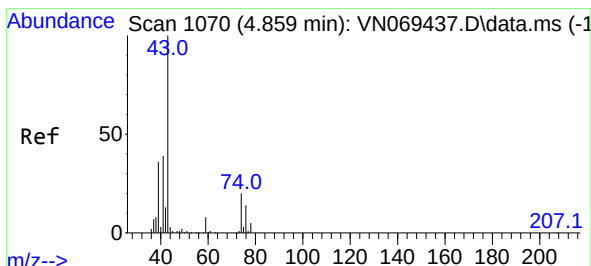
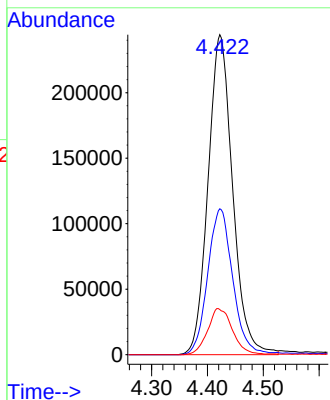
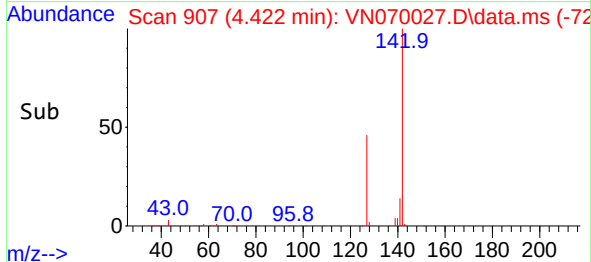
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



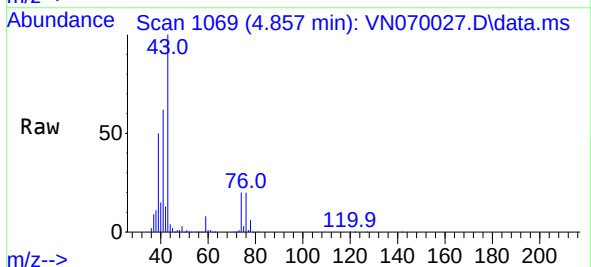
Tgt Ion:142 Resp: 74766
Ion Ratio Lower Upper
142 100
127 45.5 24.0 72.0
141 14.1 8.4 25.2

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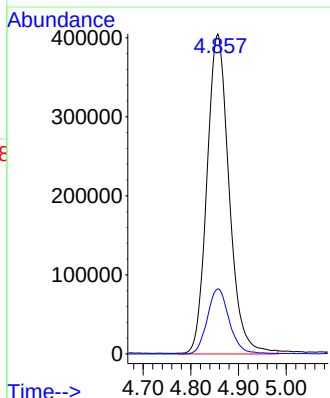
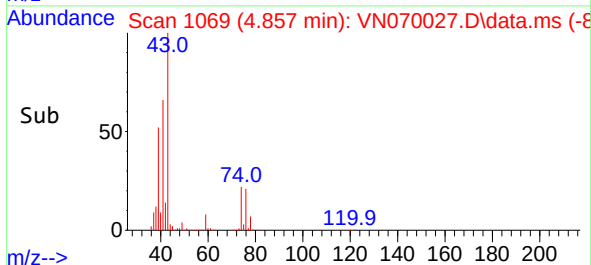
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

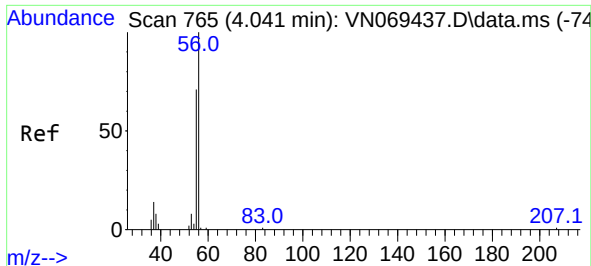


#12
Methyl Acetate
Concen: 49.523 ug/l m
RT: 4.857 min Scan# 1069
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10



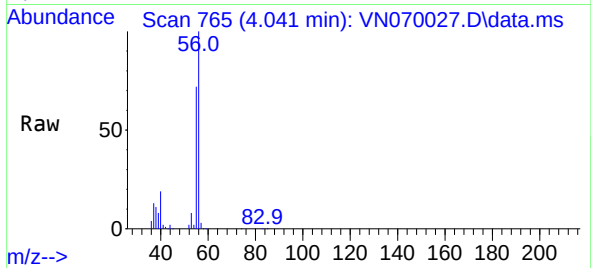
Tgt Ion: 43 Resp: 1307930
Ion Ratio Lower Upper
43 100
74 20.4 20.8 31.2#





#13
Acrolein
Concen: 683.790 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

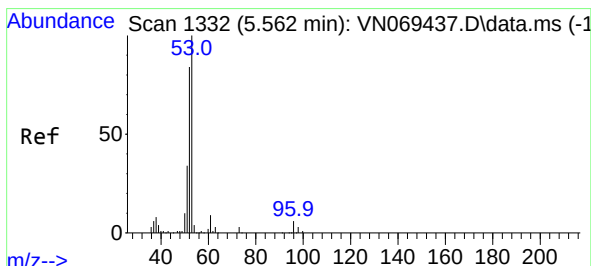
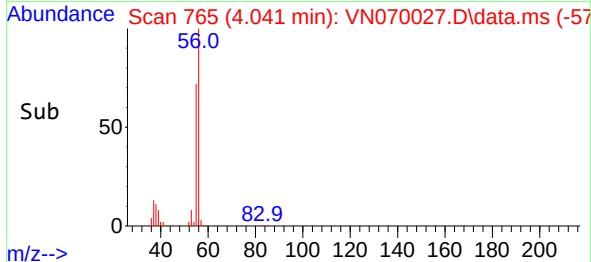
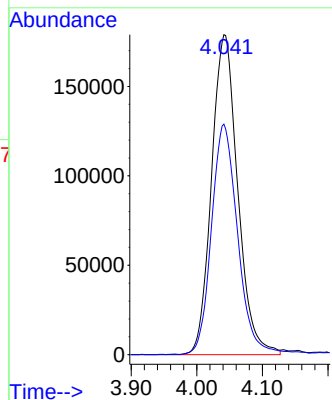
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 56 Resp: 496524
Ion Ratio Lower Upper
56 100
55 71.7 57.6 86.4

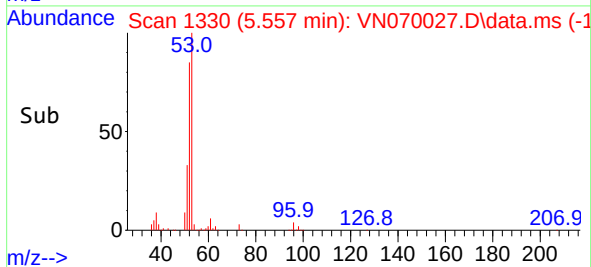
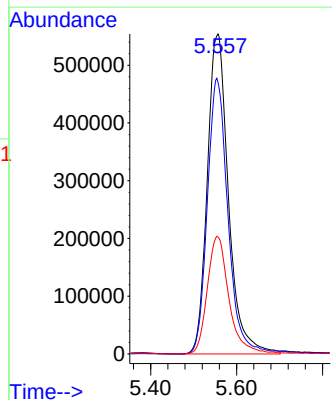
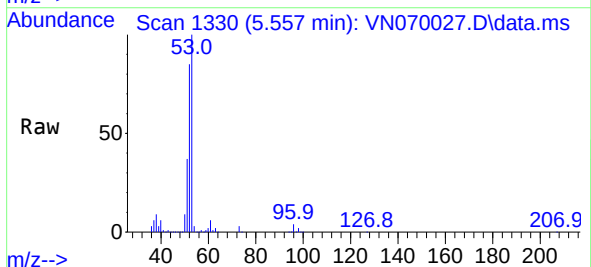
Manual Integrations
APPROVED

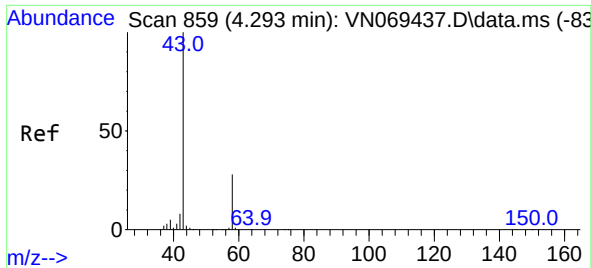
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#14
Acrylonitrile
Concen: 263.164 ug/l
RT: 5.557 min Scan# 1330
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

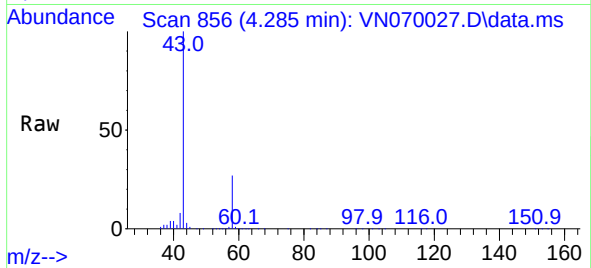
Tgt Ion: 53 Resp: 1896196
Ion Ratio Lower Upper
53 100
52 83.6 41.8 125.4
51 37.1 19.0 57.0





#15
Acetone
Concen: 304.199 ug/l
RT: 4.285 min Scan# 859
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

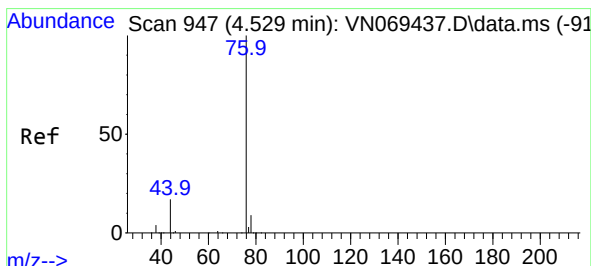
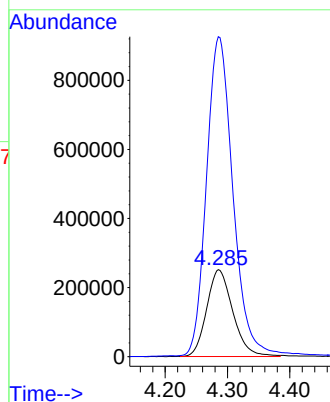
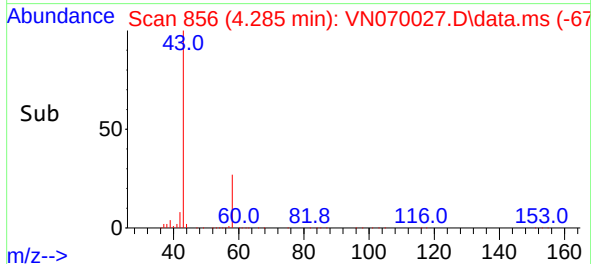
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 58 Resp: 73035
Ion Ratio Lower Upper
58 100
43 367.0 256.6 384.8

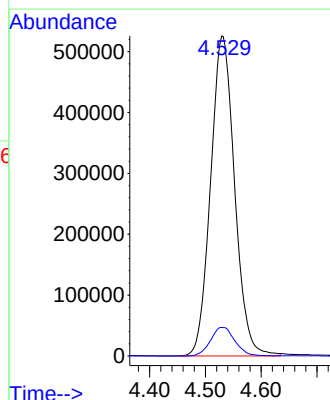
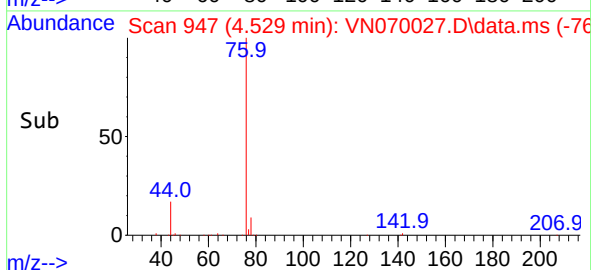
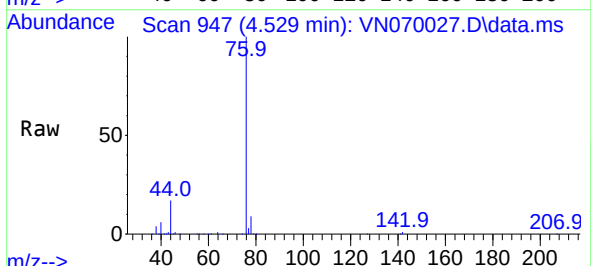
Manual Integrations
APPROVED

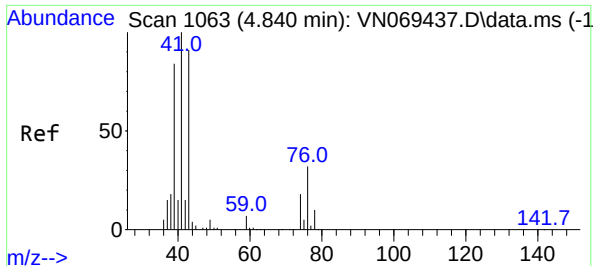
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#16
Carbon Disulfide
Concen: 68.586 ug/l
RT: 4.529 min Scan# 947
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion: 76 Resp: 1572169
Ion Ratio Lower Upper
76 100
78 8.9 7.8 11.8





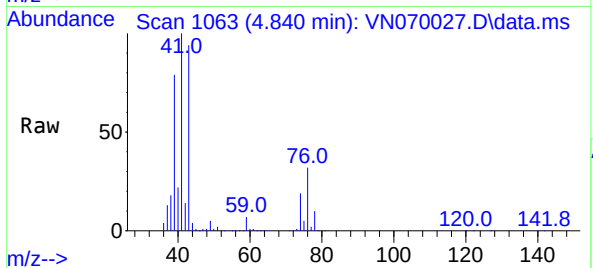
#17
Allyl chloride
Concen: 60.734 ug/l
RT: 4.840 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

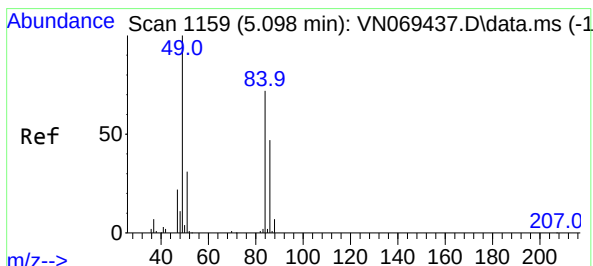
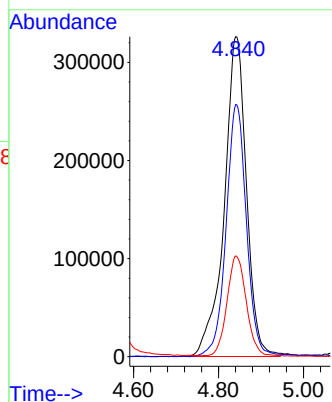


Tgt Ion: 41 Resp: 118376
Ion Ratio Lower Upper
41 100
39 78.8 44.6 134.0
76 31.2 19.6 58.7

Manual Integrations

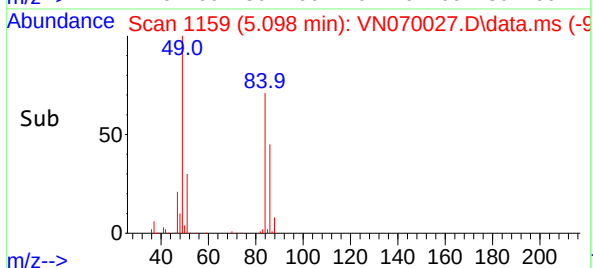
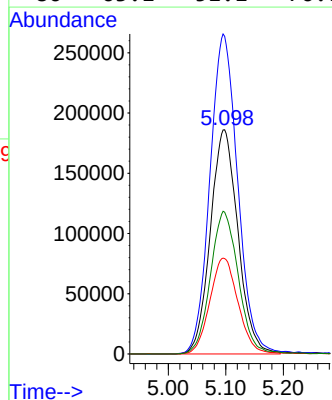
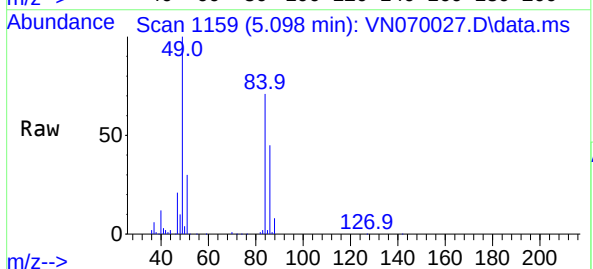
APPROVED

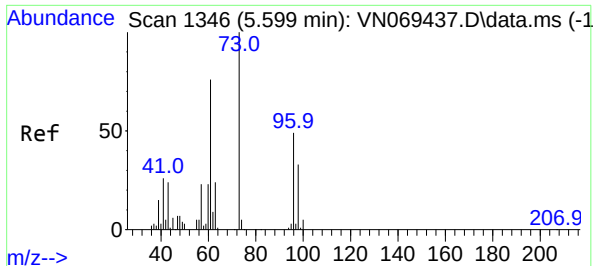
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#18
Methylene Chloride
Concen: 53.204 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.006 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion: 84 Resp: 621576
Ion Ratio Lower Upper
84 100
49 141.3 91.4 137.0#
51 42.4 29.4 44.0
86 63.1 51.1 76.7





#19

trans-1,2-Dichloroethene

Concen: 55.365 ug/l

RT: 5.597 min Scan# 11

Delta R.T. -0.003 min

Lab File: VN070027.D

Acq: 13 Dec 2021 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 96 Resp: 55716

Ion Ratio Lower Upper

96 100

61 157.0 102.8 154.2

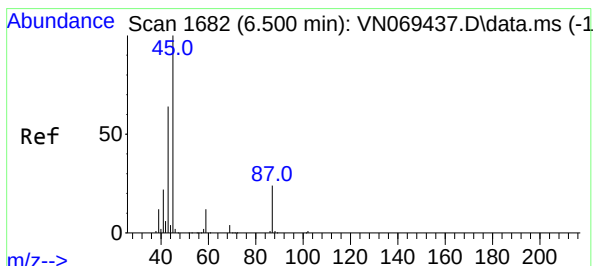
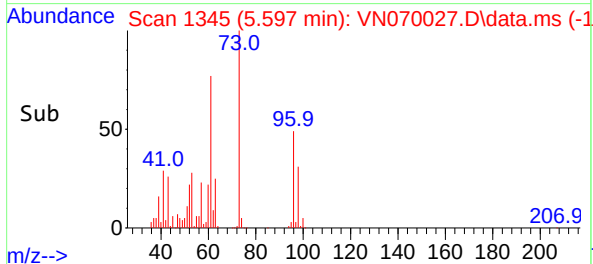
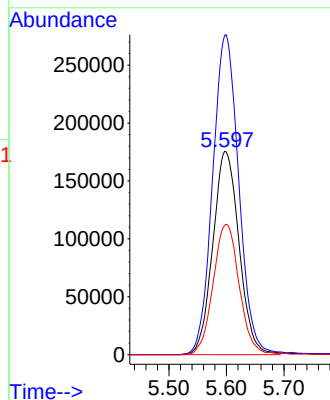
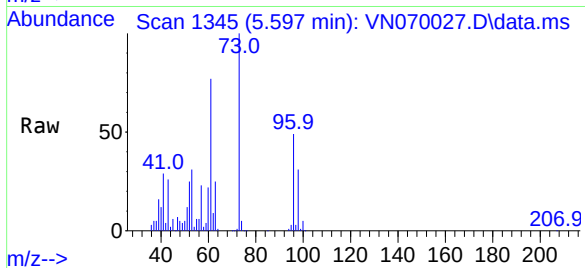
98 63.6 49.3 73.9

Manual Integrations

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Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#20

Diisopropyl ether

Concen: 54.653 ug/l

RT: 6.498 min Scan# 1681

Delta R.T. -0.003 min

Lab File: VN070027.D

Acq: 13 Dec 2021 11:10

Tgt Ion: 45 Resp: 2282587

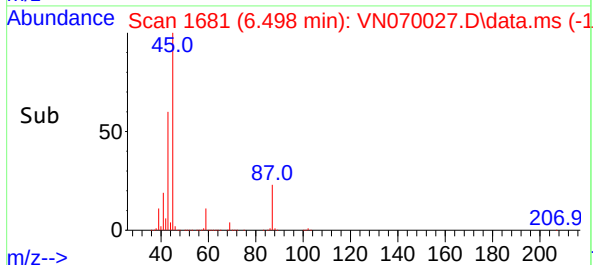
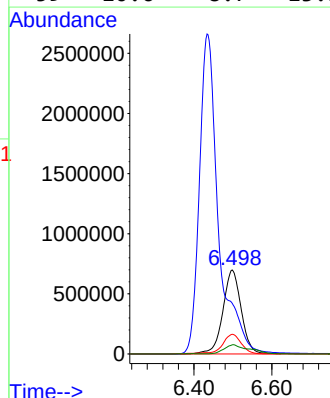
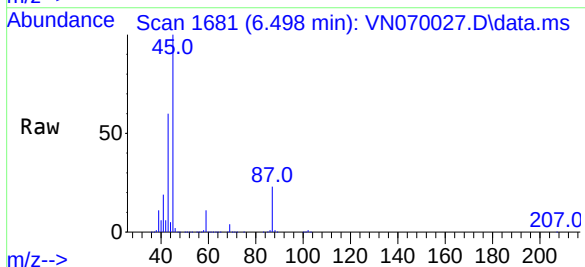
Ion Ratio Lower Upper

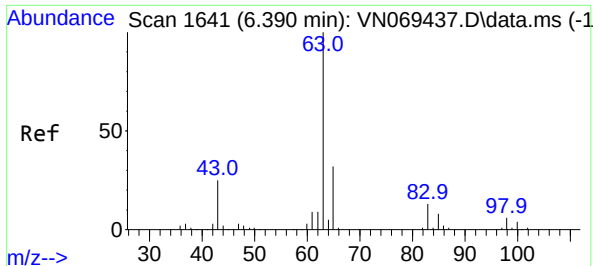
45 100

43 60.1 51.0 76.4

87 23.4 25.0 37.4

59 10.6 8.7 13.1





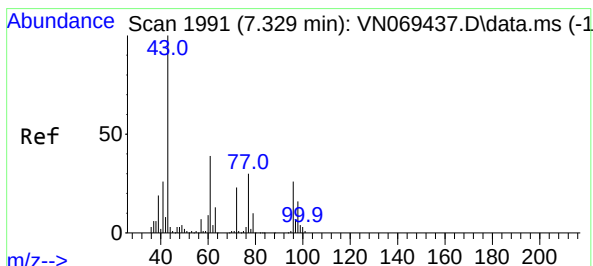
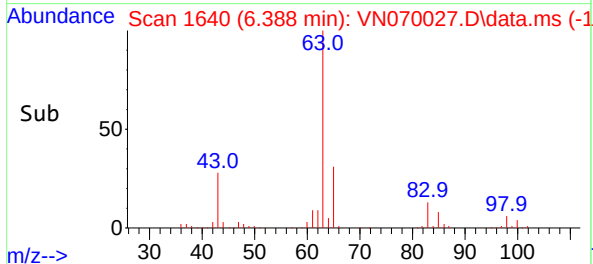
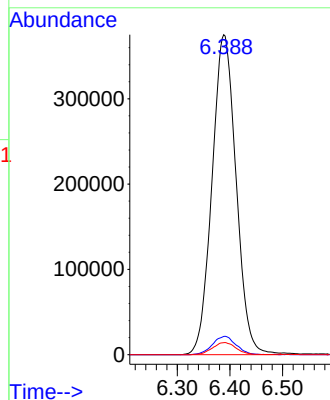
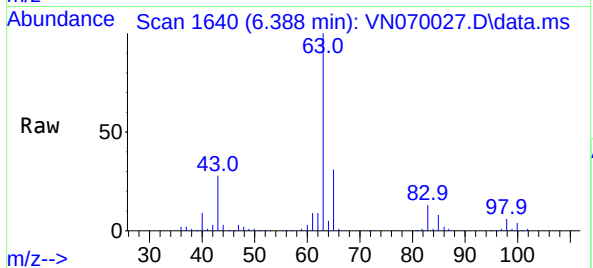
#21
1,1-Dichloroethane
Concen: 56.271 ug/l
RT: 6.388 min Scan# 119227
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 119227
Ion Ratio Lower Upper
63 100
98 5.7 3.2 9.6
100 3.7 2.1 6.2

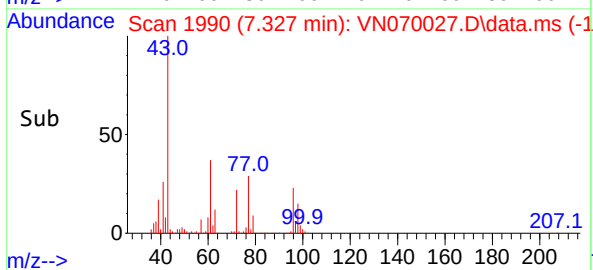
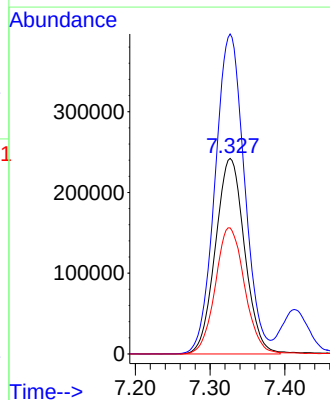
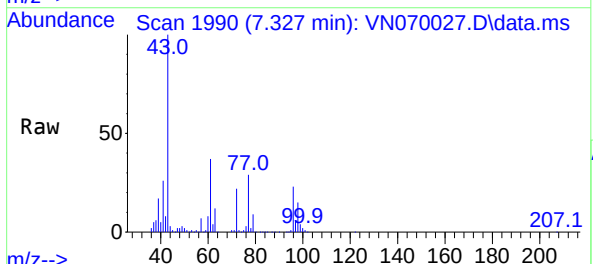
Manual Integrations
APPROVED

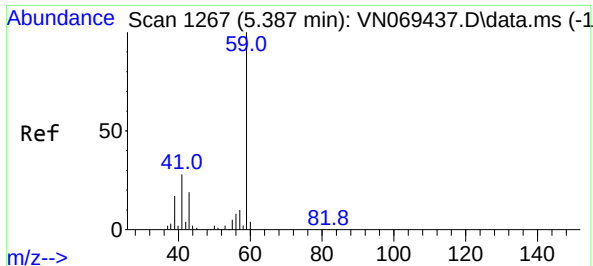
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#22
cis-1,2-Dichloroethene
Concen: 52.578 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion: 96 Resp: 656239
Ion Ratio Lower Upper
96 100
61 164.6 115.7 173.5
98 64.8 51.6 77.4





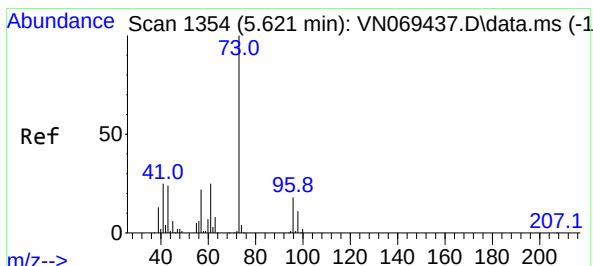
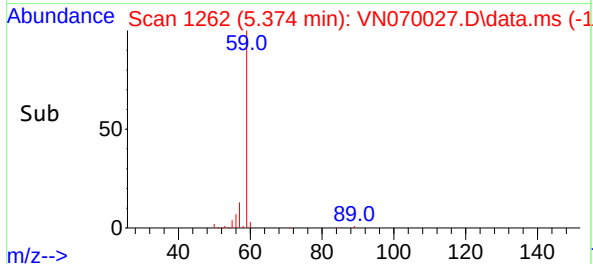
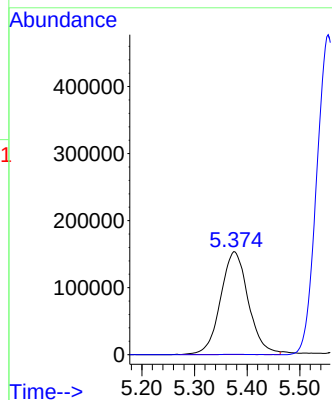
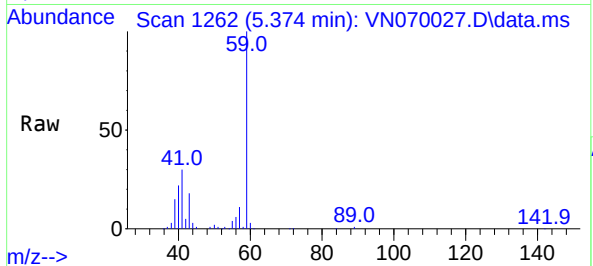
#23
tert-Butyl Alcohol
Concen: 224.363 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. 0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 59 Resp: 56262
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

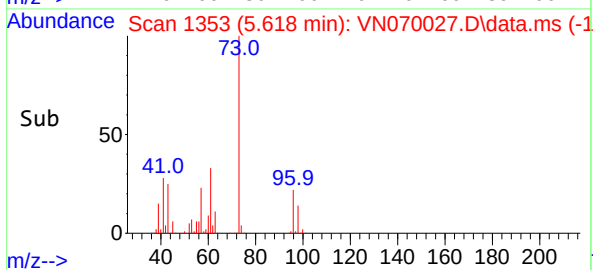
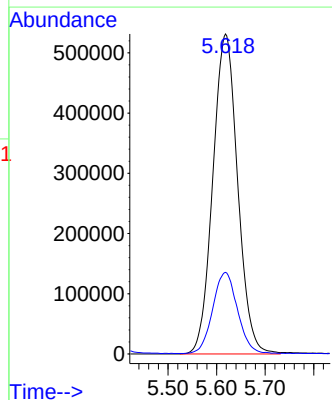
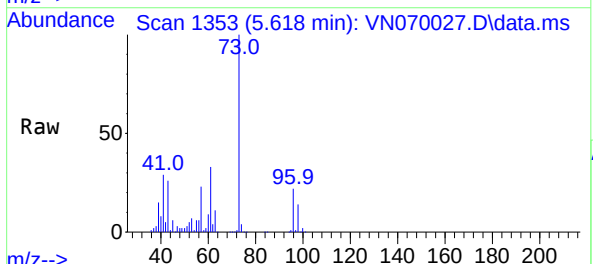
Manual Integrations
APPROVED

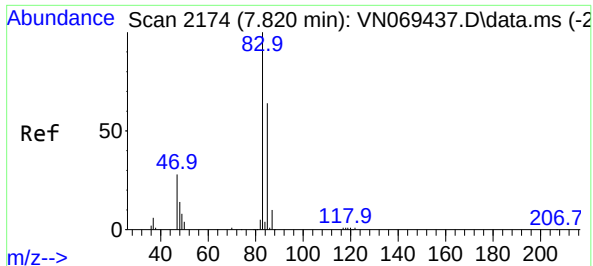
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#24
Methyl tert-Butyl Ether
Concen: 51.358 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

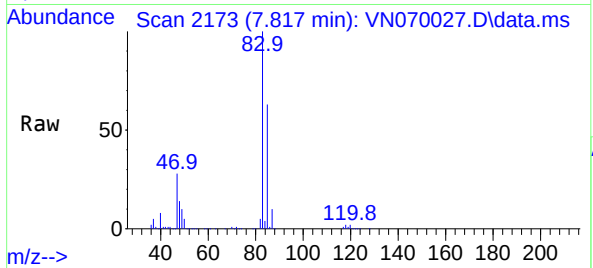
Tgt Ion: 73 Resp: 1887546
Ion Ratio Lower Upper
73 100
43 25.2 18.1 27.1





#25
Chloroform
Concen: 53.531 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

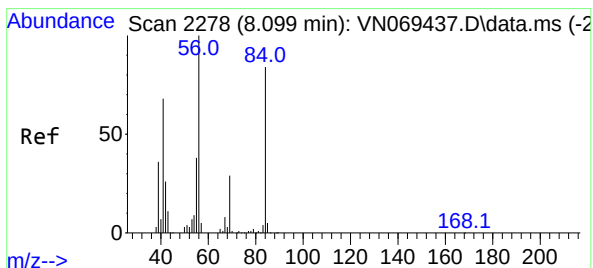
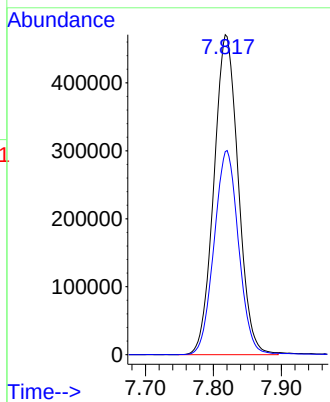
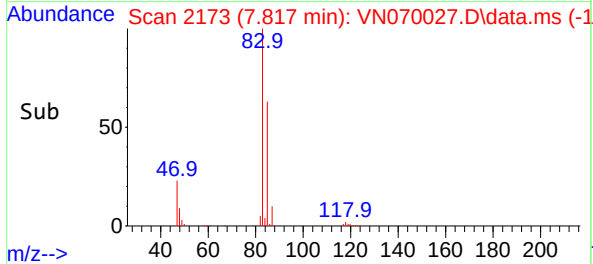
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



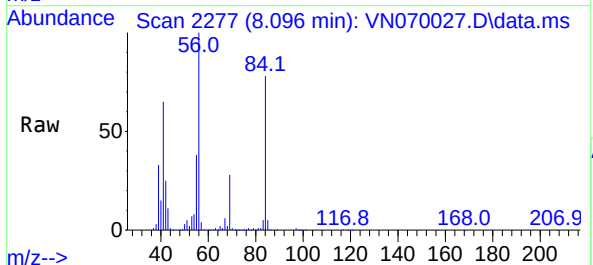
Tgt Ion: 83 Resp: 117273
Ion Ratio Lower Upper
83 100
85 63.5 51.3 76.9

Manual Integrations
APPROVED

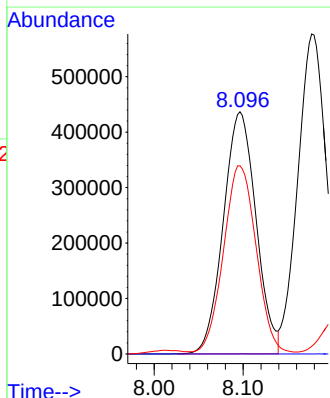
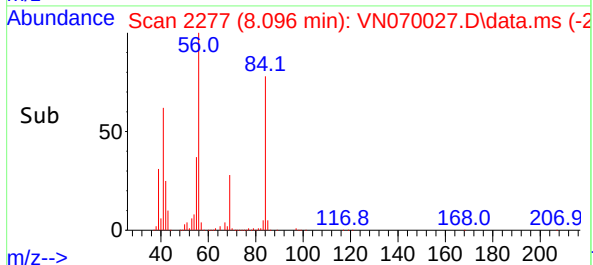
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

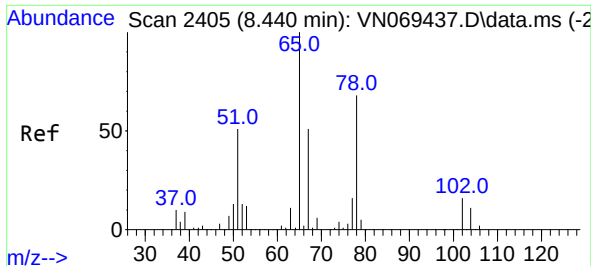


#26
Cyclohexane
Concen: 55.500 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10



Tgt Ion: 56 Resp: 1116485
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 77.9 74.6 111.8





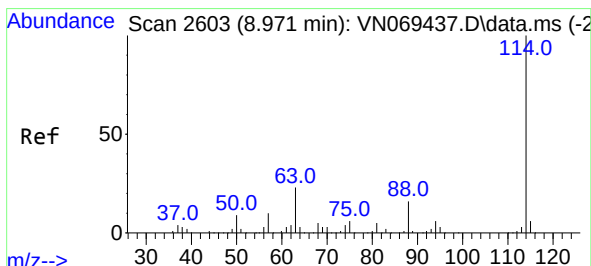
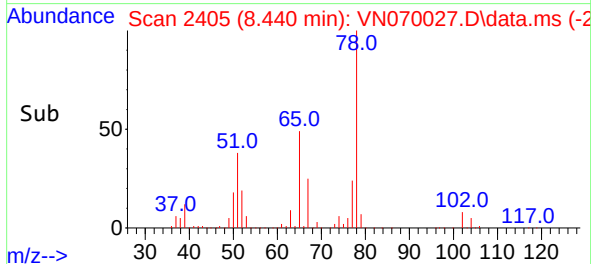
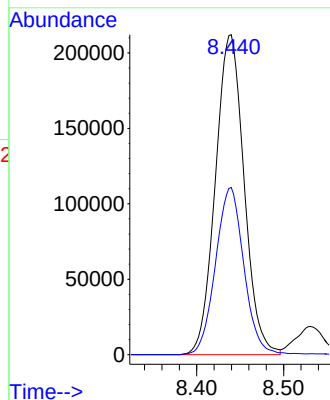
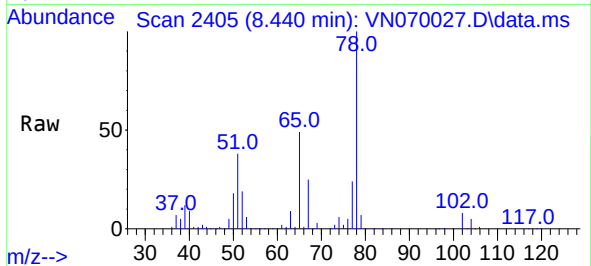
#27
1,2-Dichloroethane-d4
Concen: 30.598 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 65 Resp: 486968
Ion Ratio Lower Upper
65 100
67 51.5 40.2 60.2

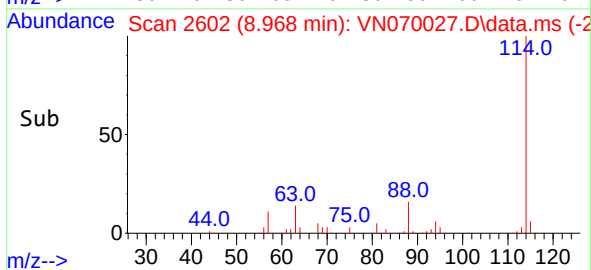
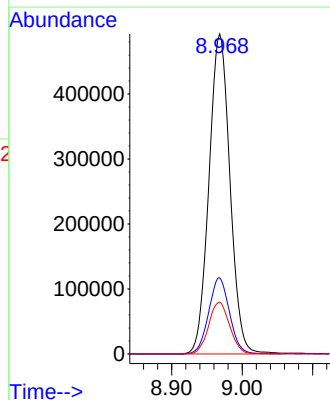
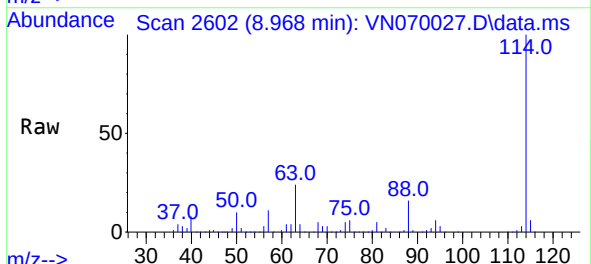
Manual Integrations
APPROVED

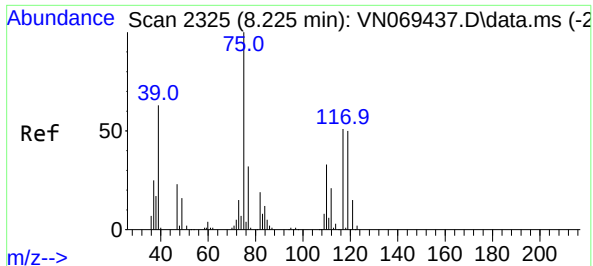
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

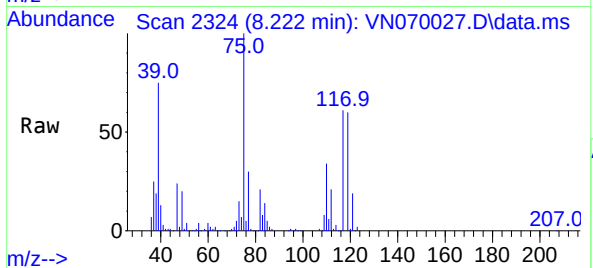
Tgt Ion:114 Resp: 1019637
Ion Ratio Lower Upper
114 100
63 23.6 15.8 23.6
88 16.2 11.6 17.4





#29
1,1-Dichloropropene
Concen: 55.864 ug/l
RT: 8.222 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

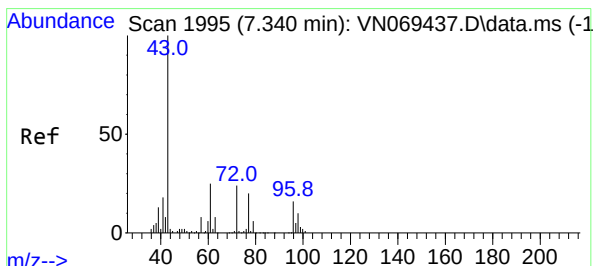
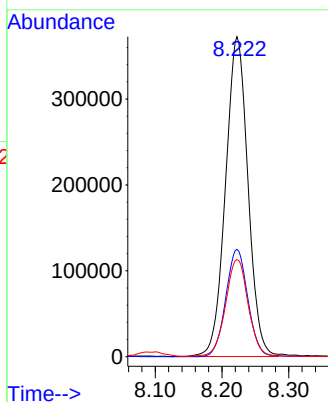
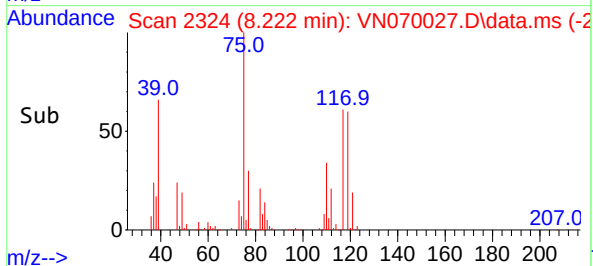
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



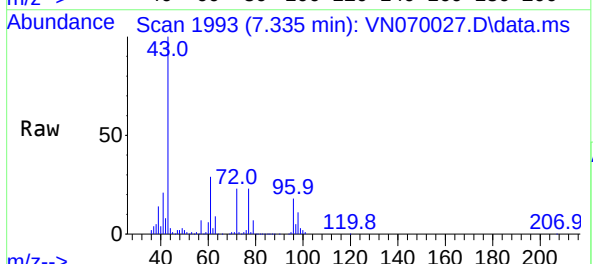
Tgt Ion: 75 Resp: 869514
Ion Ratio Lower Upper
75 100
110 33.0 0.0 74.2
77 30.5 0.0 63.2

Manual Integrations
APPROVED

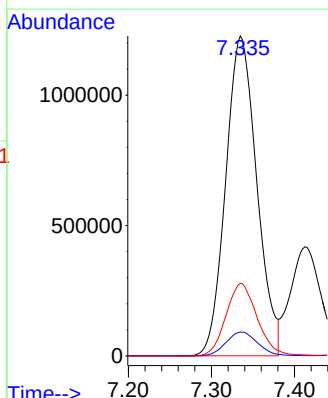
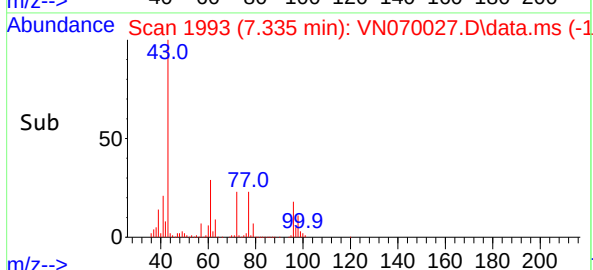
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

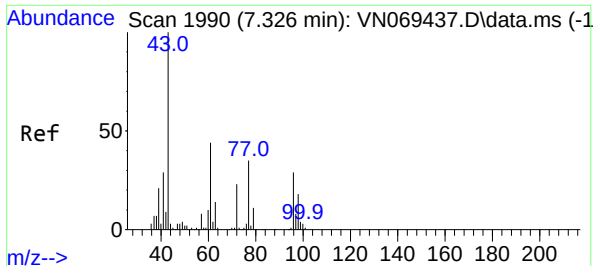


#30
2-Butanone
Concen: 283.019 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10



Tgt Ion: 43 Resp: 3188542
Ion Ratio Lower Upper
43 100
57 7.7 6.7 10.1
72 22.9 23.2 34.8#





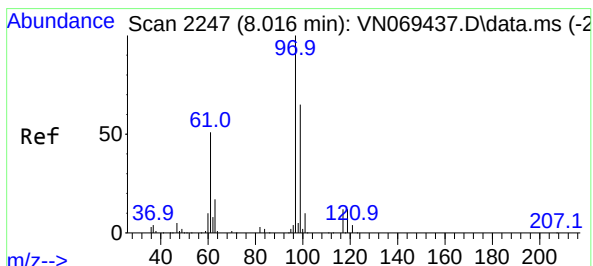
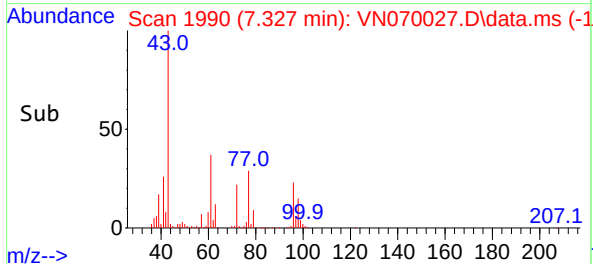
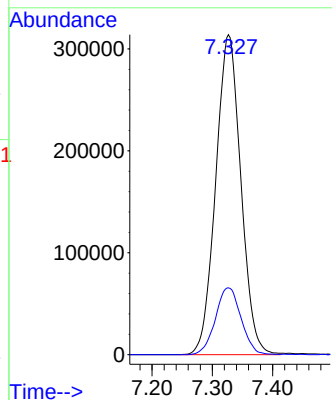
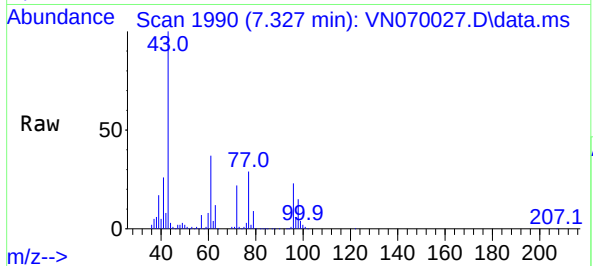
#31
2,2-Dichloropropane
Concen: 55.280 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 77 Resp: 909625
Ion Ratio Lower Upper
77 100
97 21.3 18.3 27.5

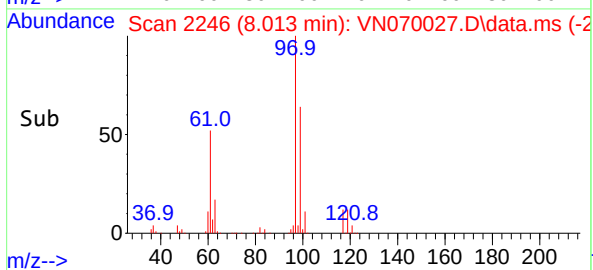
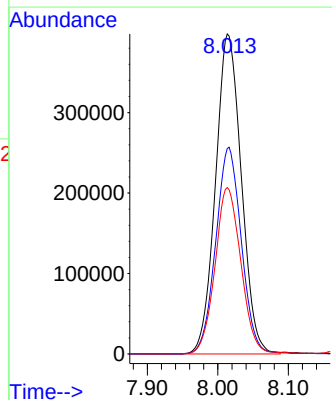
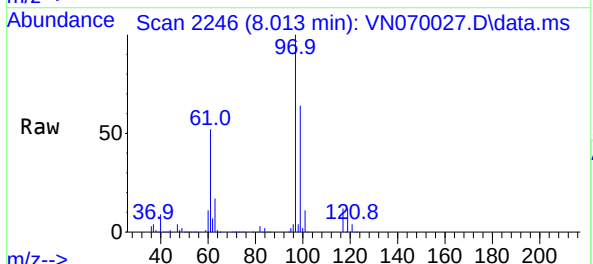
Manual Integrations
APPROVED

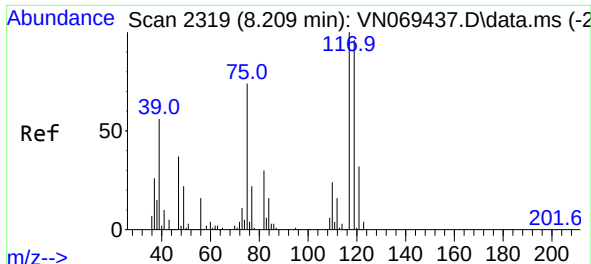
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#32
1,1,1-Trichloroethane
Concen: 55.749 ug/l
RT: 8.013 min Scan# 2246
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

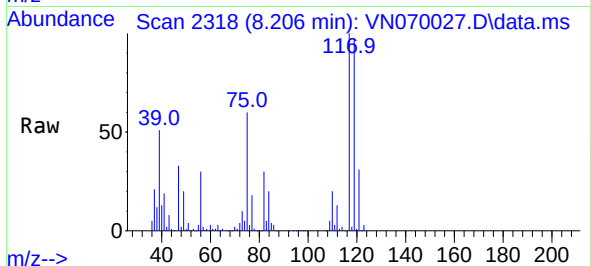
Tgt Ion: 97 Resp: 1012985
Ion Ratio Lower Upper
97 100
99 64.2 50.4 75.6
61 51.9 34.6 51.8





#33
Carbon Tetrachloride
Concen: 60.154 ug/l
RT: 8.206 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

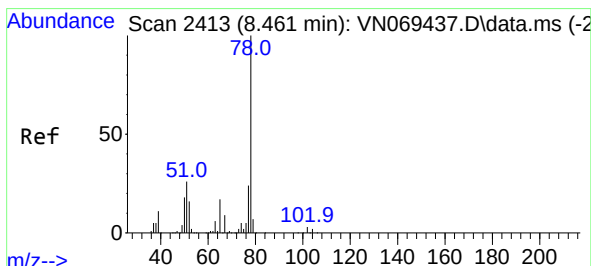
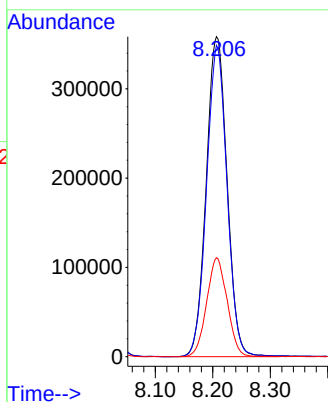
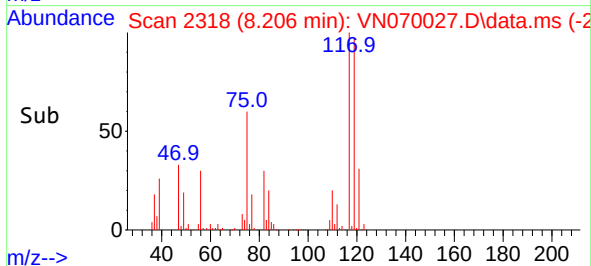
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 117 Resp: 90275
Ion Ratio Lower Upper
117 100
119 97.3 77.5 116.3
121 30.9 23.5 35.3

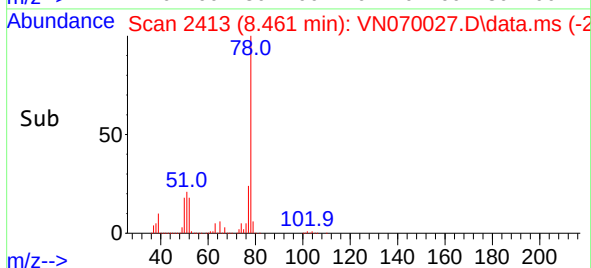
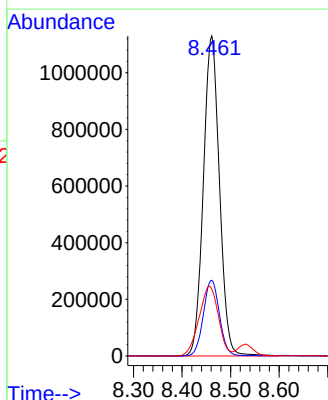
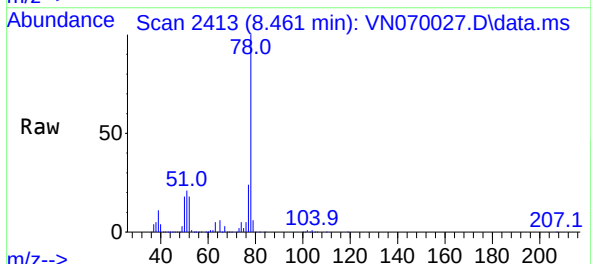
Manual Integrations
APPROVED

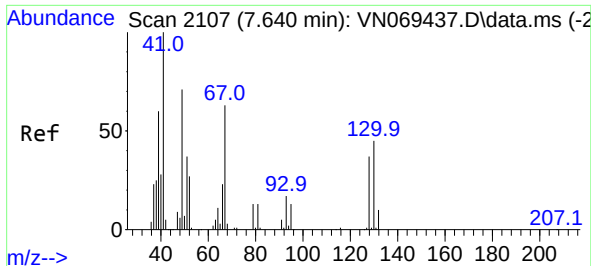
Reviewed By : John Carlone 12/14/2021
Supervised By : Amit Patel 12/15/2021



#34
Benzene
Concen: 54.993 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion: 78 Resp: 2602962
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7
51 20.8 16.0 24.0





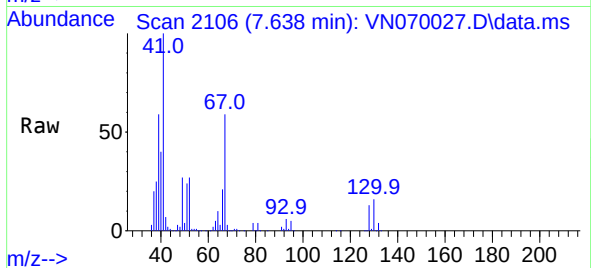
#35
Methacrylonitrile
Concen: 54.617 ug/l
RT: 7.638 min Scan# 2106
Delta R.T. 0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

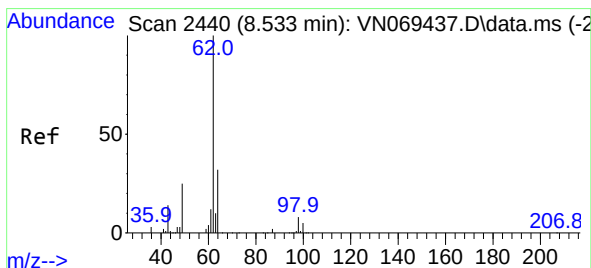
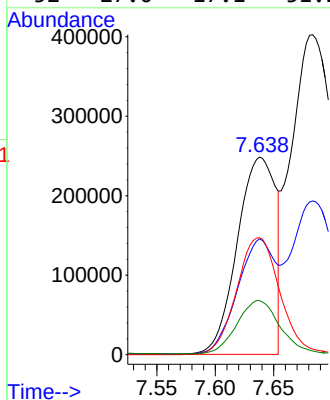
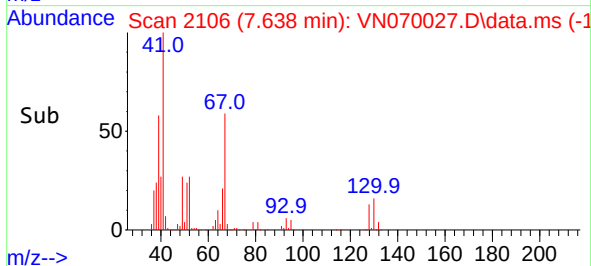


Tgt Ion: 41 Resp: 56436
Ion Ratio Lower Upper
41 100
39 58.3 28.0 83.9
67 59.4 37.7 113.1
52 27.0 17.1 51.2

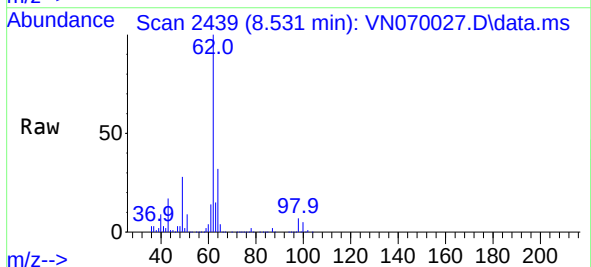
Manual Integrations

APPROVED

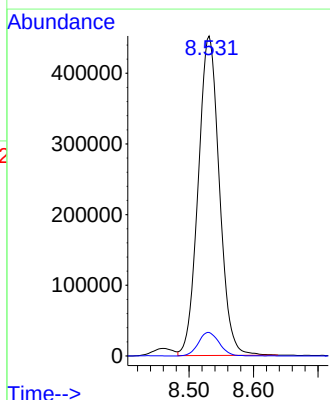
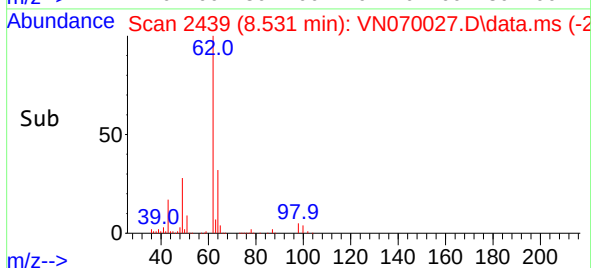
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

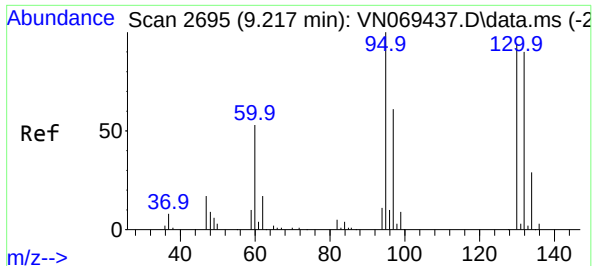


#36
1,2-Dichloroethane
Concen: 56.377 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10



Tgt Ion: 62 Resp: 1028777
Ion Ratio Lower Upper
62 100
98 7.3 6.6 10.0





#37

Trichloroethene

Concen: 53.862 ug/l

RT: 9.217 min Scan# 2695

Delta R.T. 0.003 min

Lab File: VN070027.D

Acq: 13 Dec 2021 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:130 Resp: 61591

Ion Ratio Lower Upper

130 100

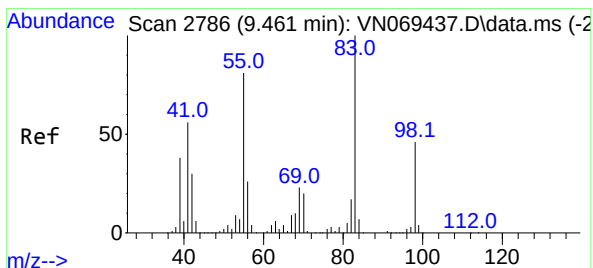
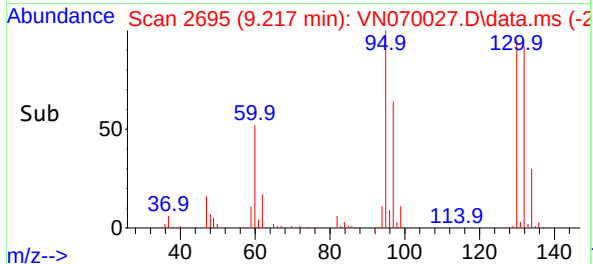
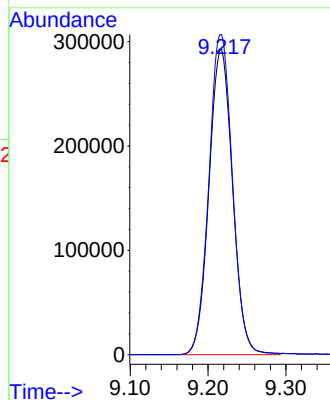
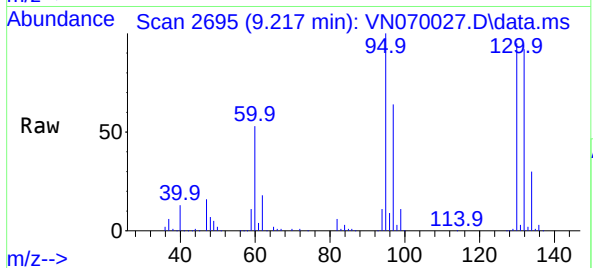
95 104.7 76.6 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#38

Methylcyclohexane

Concen: 54.545 ug/l

RT: 9.459 min Scan# 2785

Delta R.T. 0.000 min

Lab File: VN070027.D

Acq: 13 Dec 2021 11:10

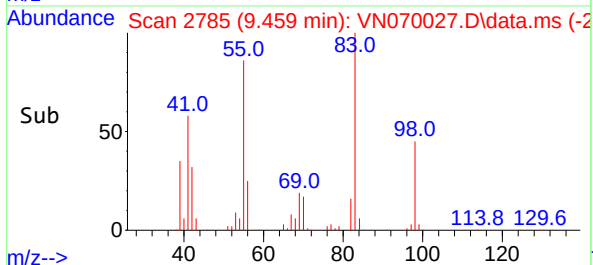
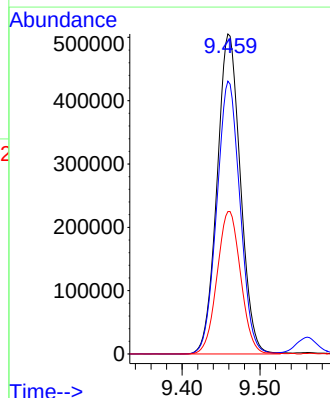
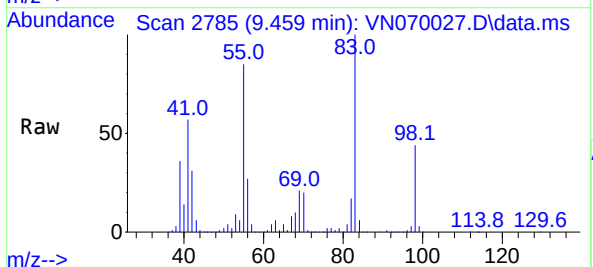
Tgt Ion: 83 Resp: 1050352

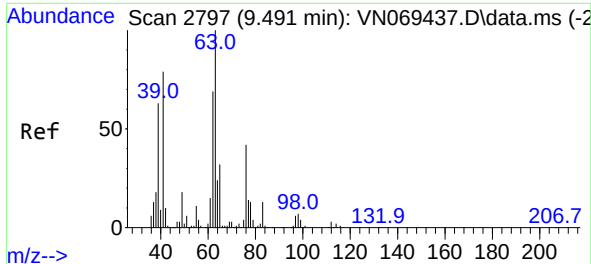
Ion Ratio Lower Upper

83 100

55 84.9 35.1 105.3

98 45.1 23.4 70.2





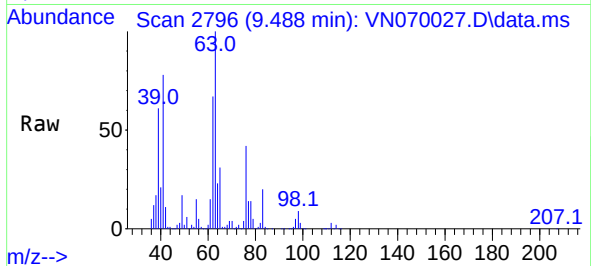
#39
1,2-Dichloropropane
Concen: 55.395 ug/l
RT: 9.488 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

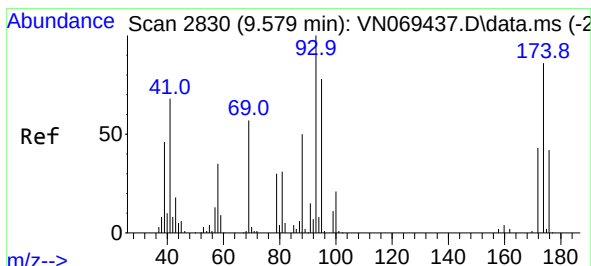
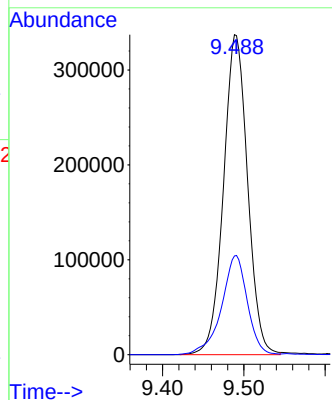


Tgt Ion: 63 Resp: 694434
Ion Ratio Lower Upper
63 100
65 30.7 24.2 36.4

Manual Integrations

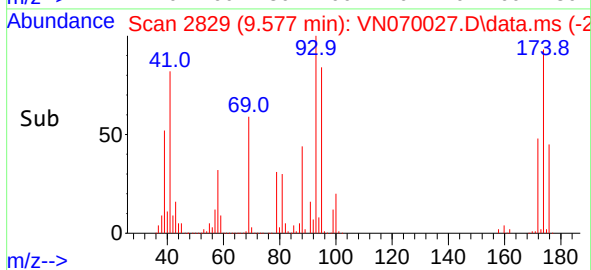
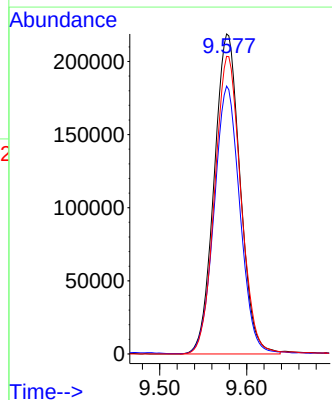
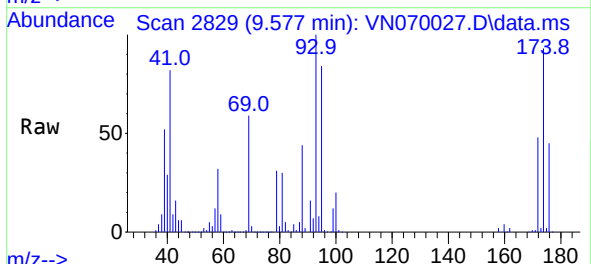
APPROVED

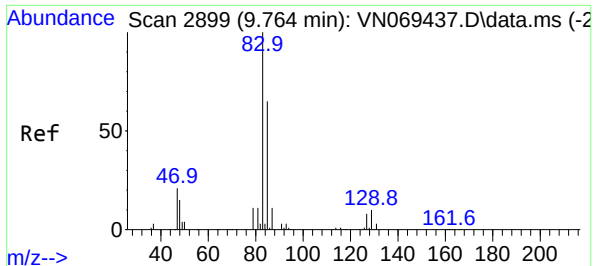
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#40
Dibromomethane
Concen: 54.169 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion: 93 Resp: 454789
Ion Ratio Lower Upper
93 100
95 82.9 0.0 168.8
174 93.5 0.0 173.6





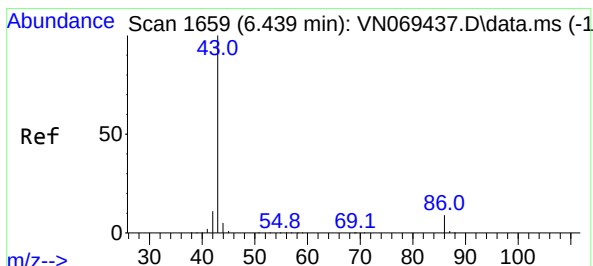
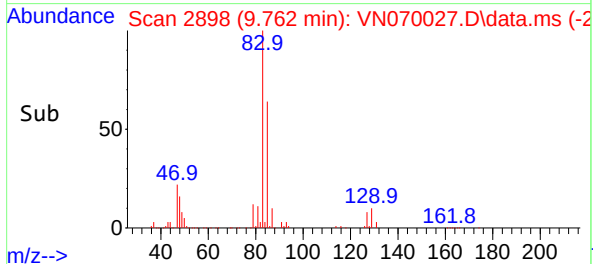
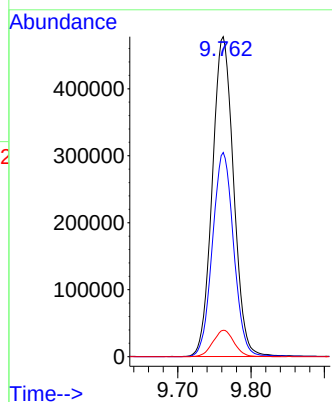
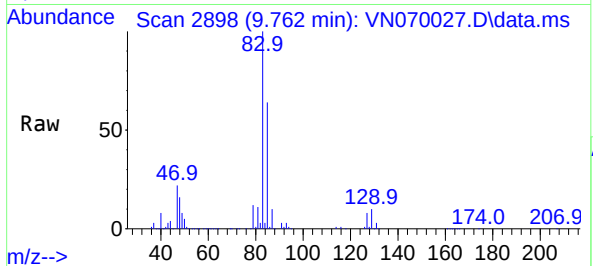
#41
Bromodichloromethane
Concen: 61.116 ug/l
RT: 9.762 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 83 Resp: 963108
Ion Ratio Lower Upper
83 100
85 63.8 54.1 81.1
127 8.3 7.6 11.4

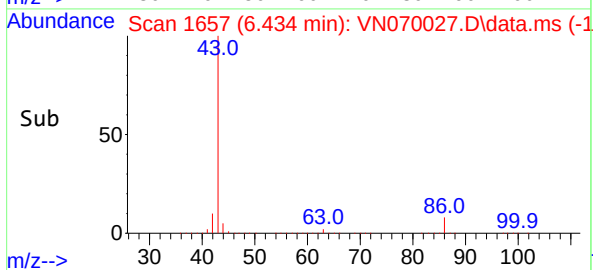
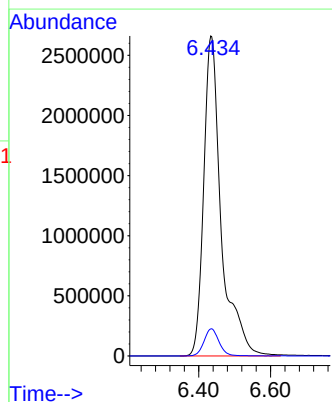
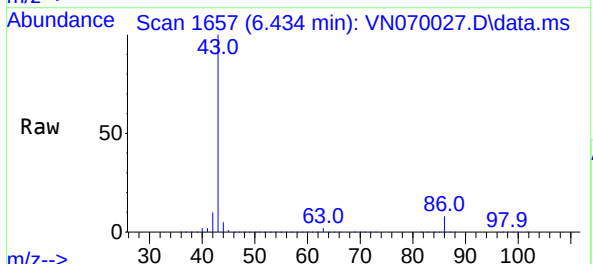
Manual Integrations
APPROVED

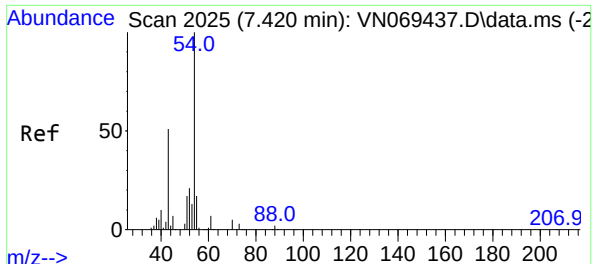
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#42
Vinyl Acetate
Concen: 284.082 ug/l
RT: 6.434 min Scan# 1657
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion: 43 Resp: 9044754
Ion Ratio Lower Upper
43 100
86 7.2 7.5 11.3#





#43

Ethyl Acetate

Concen: 52.199 ug/l

RT: 7.412 min Scan# 20

Delta R.T. -0.003 min

Lab File: VN070027.D

Acq: 13 Dec 2021 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 43 Resp: 108983

Ion Ratio Lower Upper

43 100

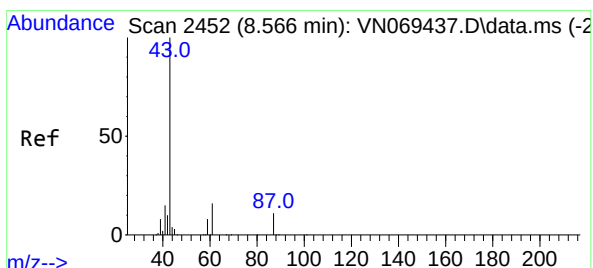
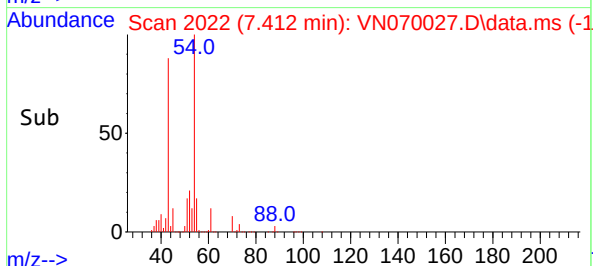
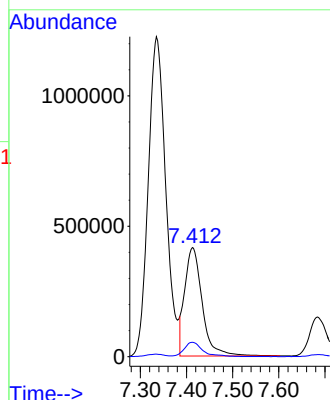
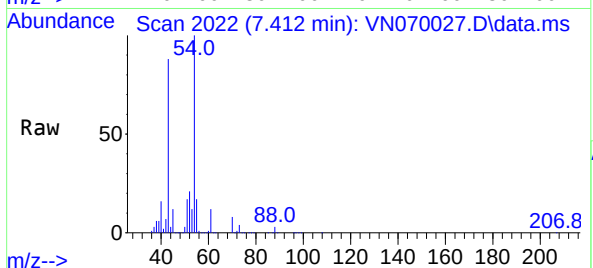
45 14.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#44

Isopropyl Acetate

Concen: 52.281 ug/l

RT: 8.560 min Scan# 2450

Delta R.T. 0.000 min

Lab File: VN070027.D

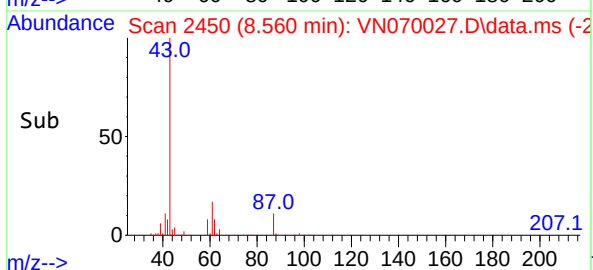
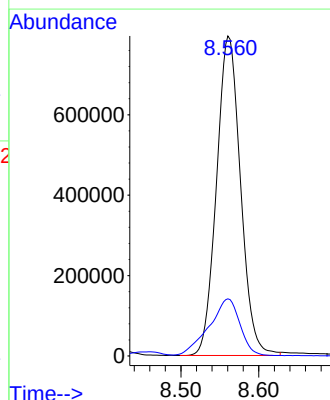
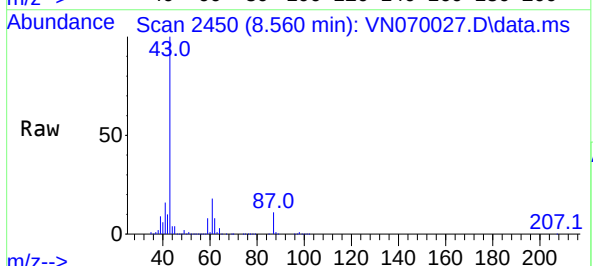
Acq: 13 Dec 2021 11:10

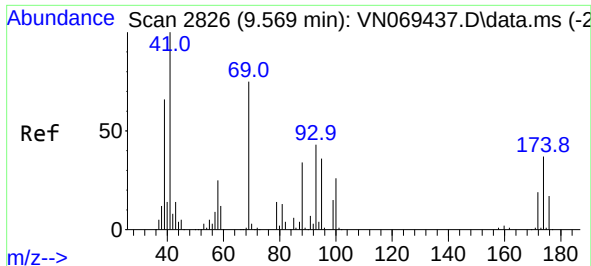
Tgt Ion: 43 Resp: 1701774

Ion Ratio Lower Upper

43 100

61 22.9 20.1 30.1





#45
1,4-Dioxane
Concen: 915.213 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. -0.005 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :

MSVOA_N

ClientSampleId :

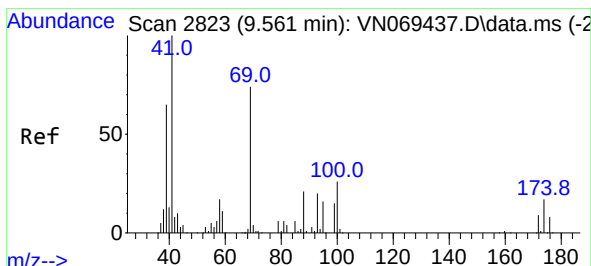
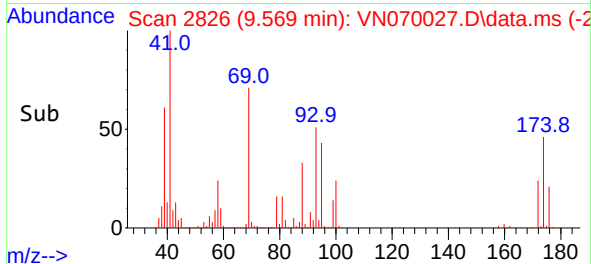
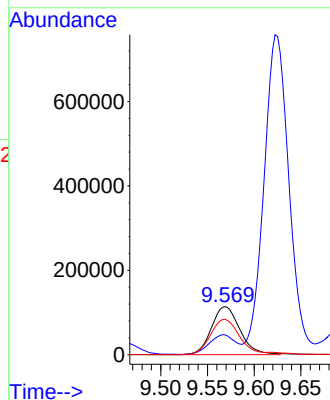
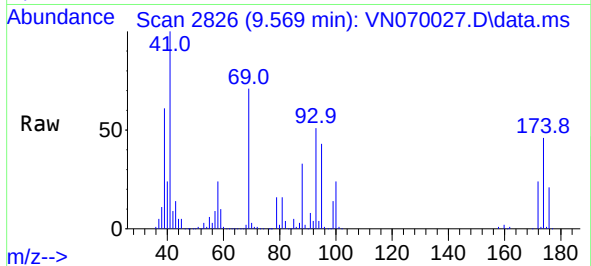
VSTDICC050

Tgt Ion: 88 Resp: 241820
Ion Ratio Lower Upper
88 100
43 38.3 25.0 37.6
58 74.8 49.4 74.2

Manual Integrations

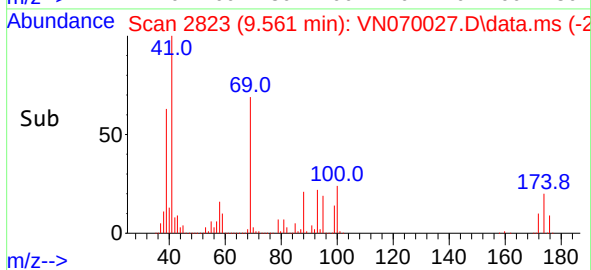
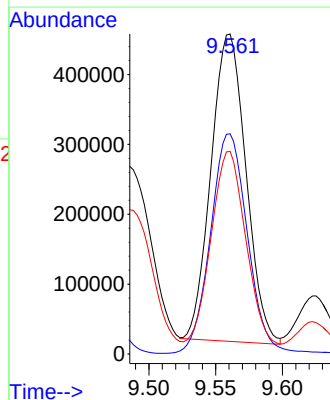
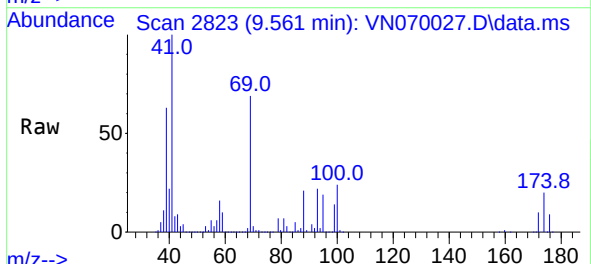
APPROVED

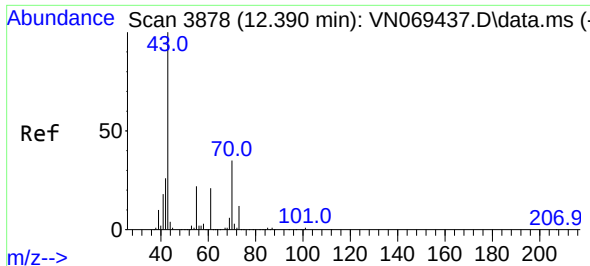
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#46
Methyl methacrylate
Concen: 53.417 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

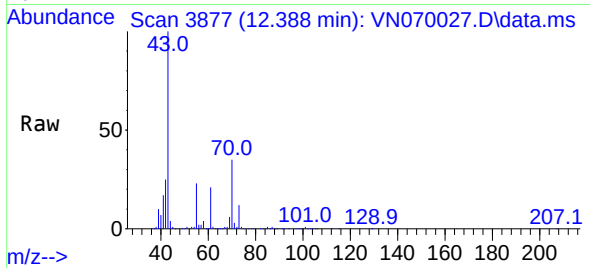
Tgt Ion: 41 Resp: 800791
Ion Ratio Lower Upper
41 100
69 71.3 44.4 133.2
39 63.3 39.9 119.6





#47
n-amy1 Acetate
Concen: 48.807 ug/l
RT: 12.388 min Scan# 3877
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

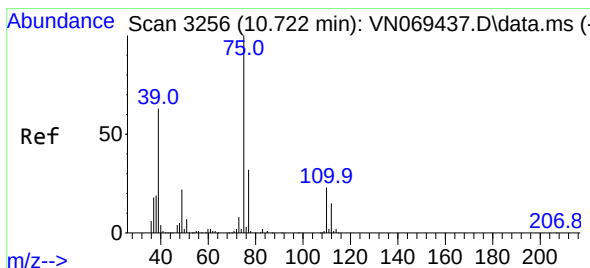
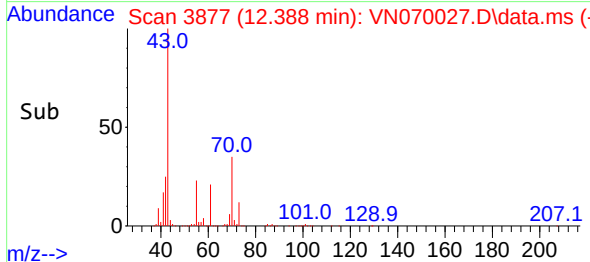
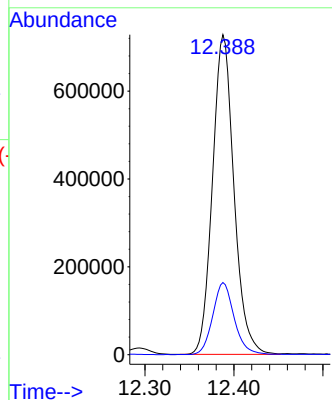
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 43 Resp: 1219974
Ion Ratio Lower Upper
43 100
55 22.4 19.0 28.6

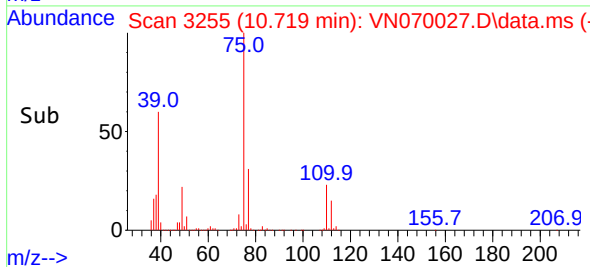
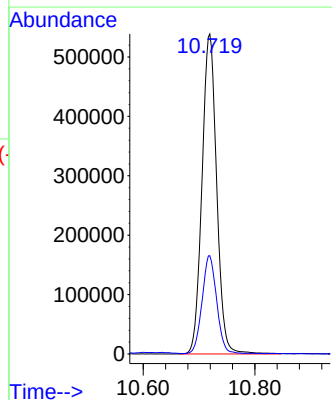
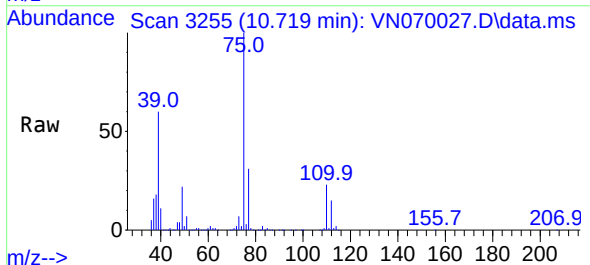
Manual Integrations
APPROVED

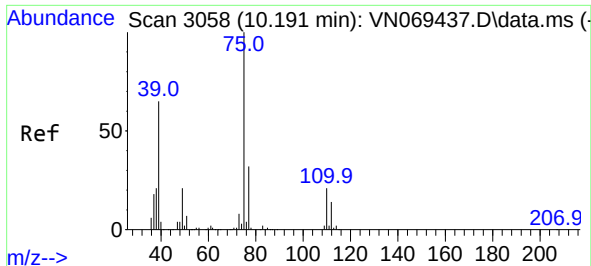
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#48
t-1,3-Dichloropropene
Concen: 58.203 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

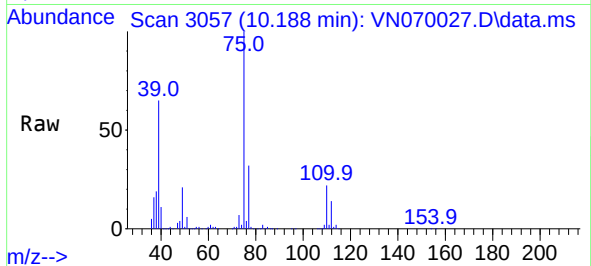
Tgt Ion: 75 Resp: 984317
Ion Ratio Lower Upper
75 100
77 30.6 25.3 37.9





#49
 cis-1,3-Dichloropropene
 Concen: 57.649 ug/l
 RT: 10.188 min Scan# 3058
 Delta R.T. 0.003 min
 Lab File: VN070027.D
 Acq: 13 Dec 2021 11:10

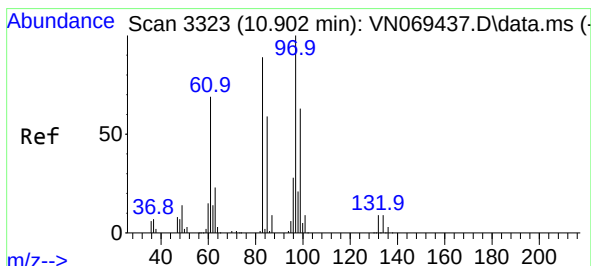
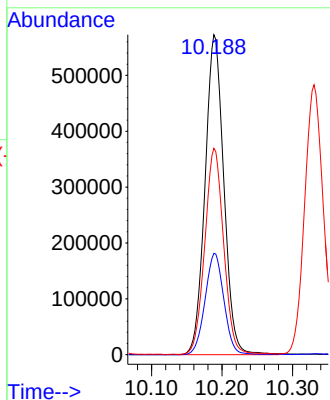
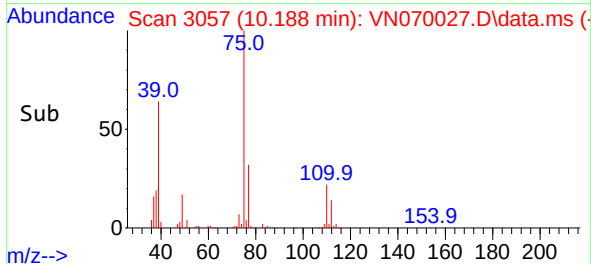
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



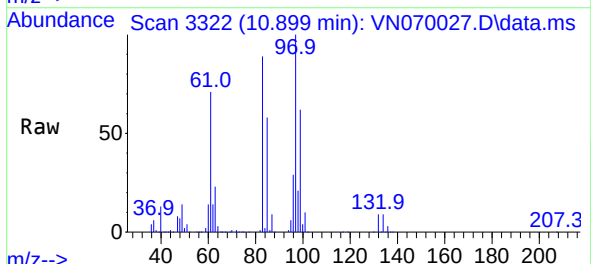
Tgt Ion: 75 Resp: 106090
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9
 39 64.4 46.2 69.4

Manual Integrations
 APPROVED

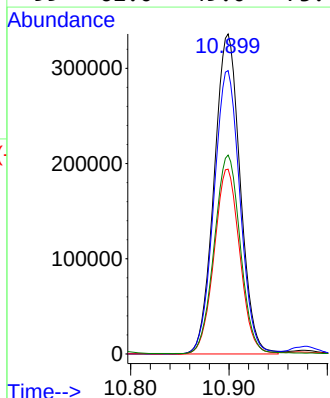
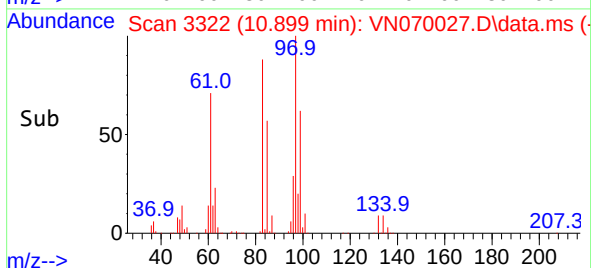
Reviewed By :John Carlone 12/14/2021
 Supervised By :Amit Patel 12/15/2021

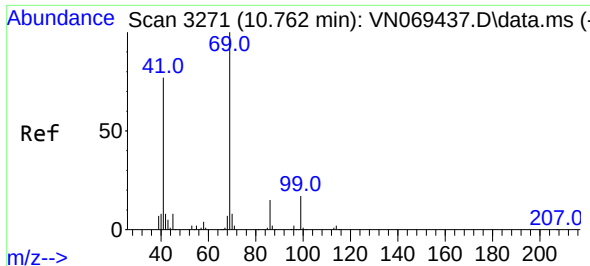


#50
 1,1,2-Trichloroethane
 Concen: 51.804 ug/l
 RT: 10.899 min Scan# 3322
 Delta R.T. 0.003 min
 Lab File: VN070027.D
 Acq: 13 Dec 2021 11:10



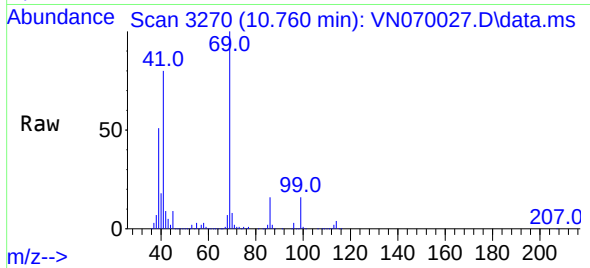
Tgt Ion: 97 Resp: 617626
 Ion Ratio Lower Upper
 97 100
 83 88.5 67.2 100.8
 85 57.7 43.0 64.4
 99 62.0 49.0 73.4





#51
Ethyl methacrylate
Concen: 50.658 ug/l
RT: 10.760 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

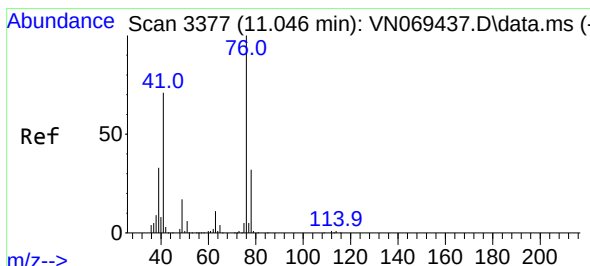
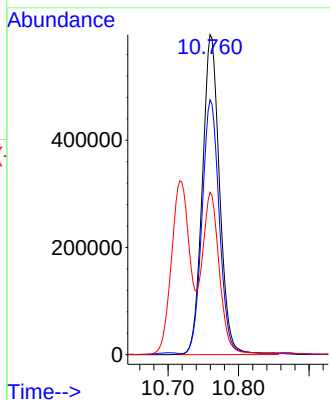
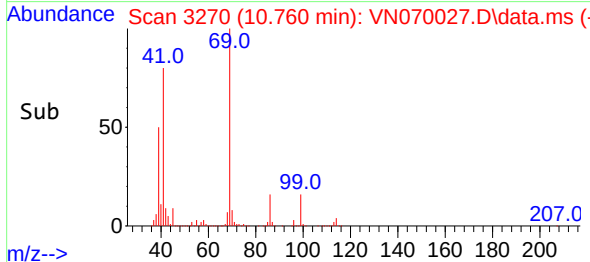
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 69 Resp: 1012590
Ion Ratio Lower Upper
69 100
41 79.3 33.0 98.9
39 50.4 25.4 76.4

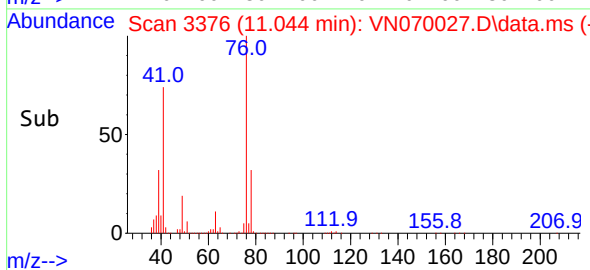
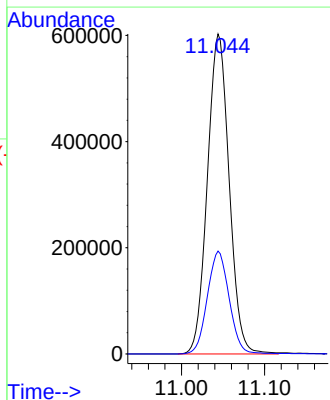
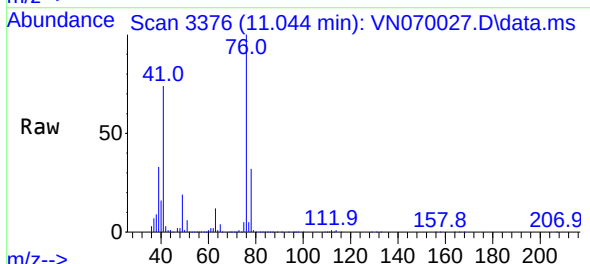
Manual Integrations
APPROVED

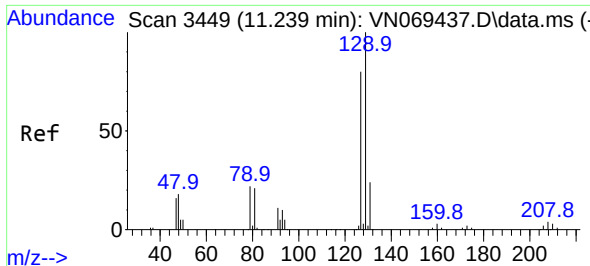
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#52
1,3-Dichloropropane
Concen: 53.207 ug/l
RT: 11.044 min Scan# 3376
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion: 76 Resp: 1095728
Ion Ratio Lower Upper
76 100
78 32.2 0.0 65.4





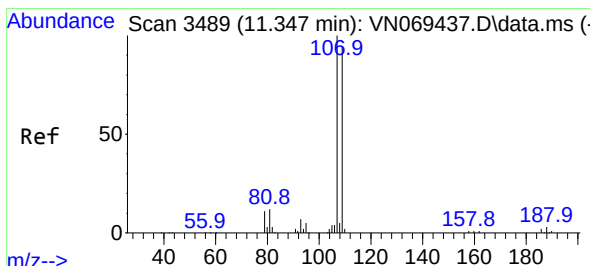
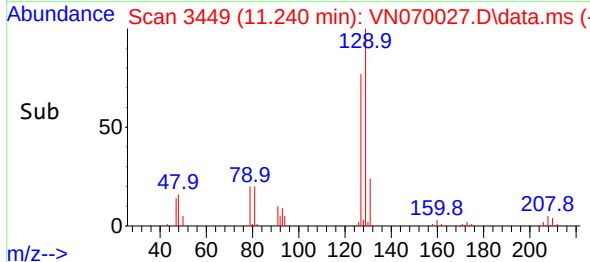
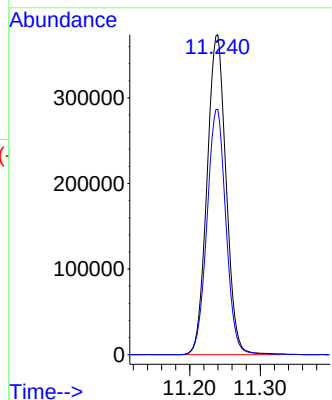
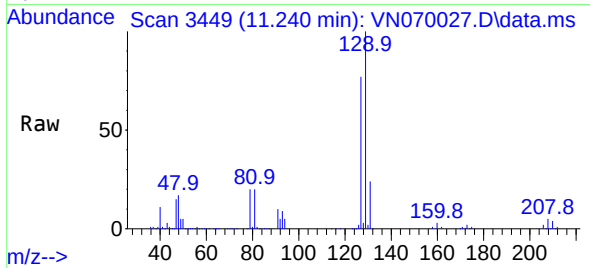
#53
Dibromochloromethane
Concen: 61.680 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. 0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:129 Resp: 70271
Ion Ratio Lower Upper
129 100
127 76.2 39.0 117.0

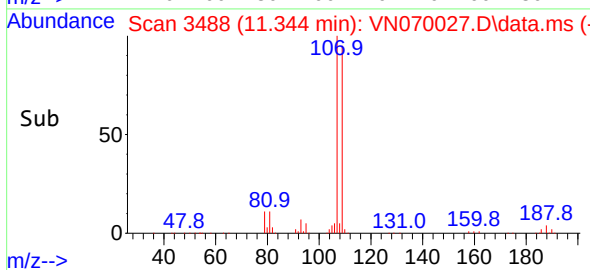
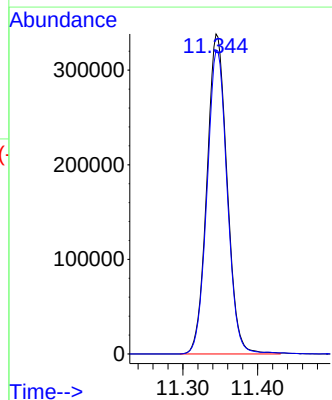
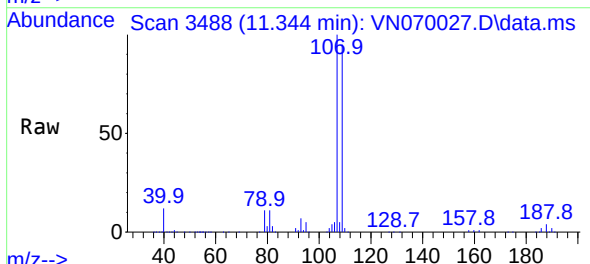
Manual Integrations
APPROVED

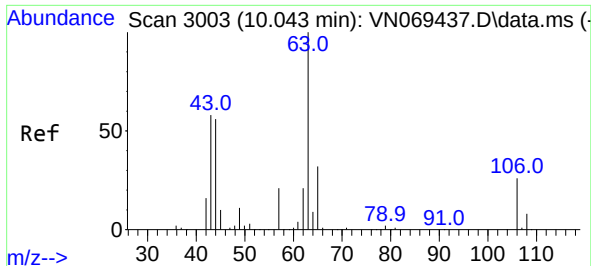
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#54
1,2-Dibromoethane
Concen: 51.364 ug/l
RT: 11.344 min Scan# 3488
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion:107 Resp: 634204
Ion Ratio Lower Upper
107 100
109 94.5 72.8 109.2





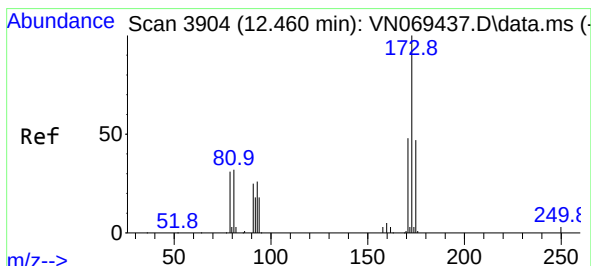
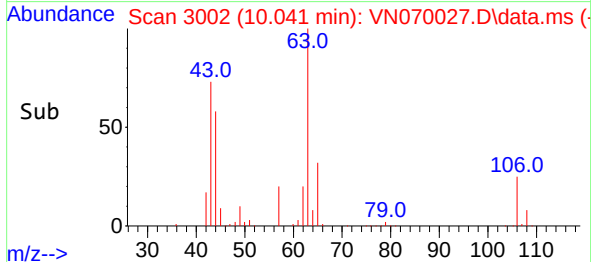
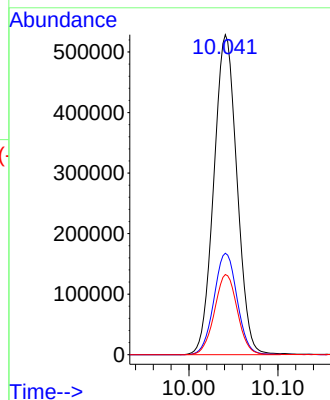
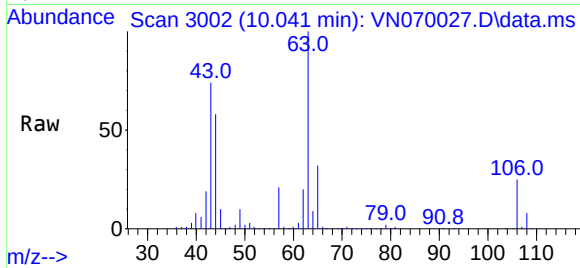
#55
2-Chloroethyl vinyl ether
Concen: 209.714 ug/l
RT: 10.041 min Scan# 3003
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 63 Resp: 95351
Ion Ratio Lower Upper
63 100
65 31.9 25.4 38.0
106 24.9 23.2 34.8

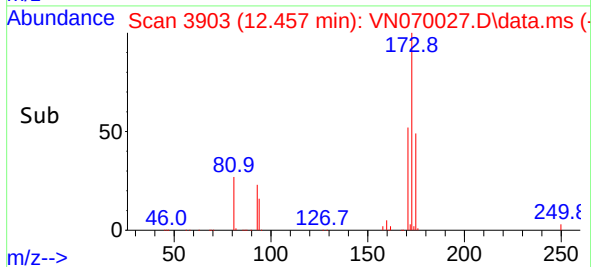
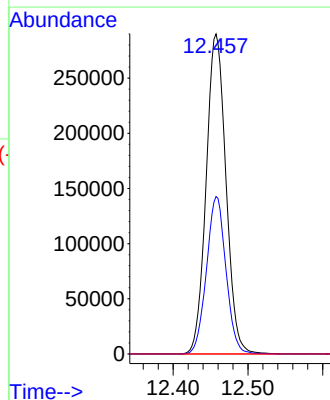
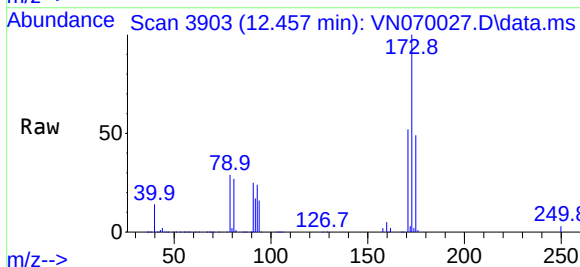
Manual Integrations
APPROVED

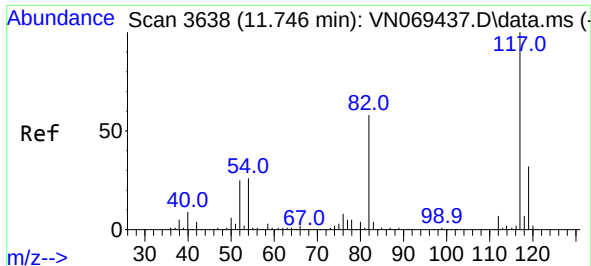
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#56
Bromoform
Concen: 65.342 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion:173 Resp: 533821
Ion Ratio Lower Upper
173 100
175 48.3 38.6 58.0
254 0.0 0.0 0.0





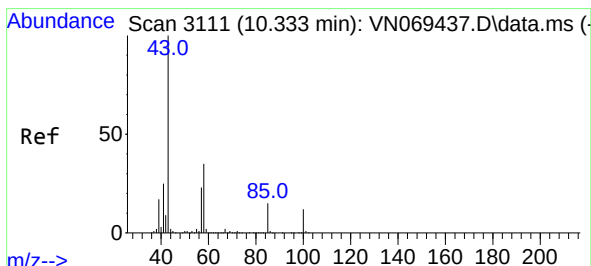
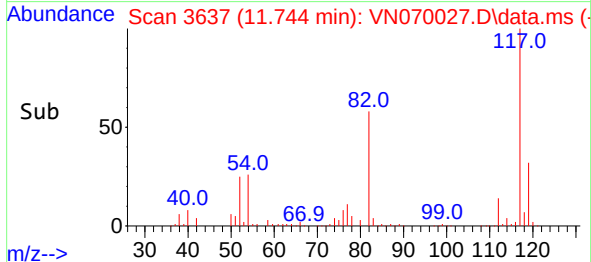
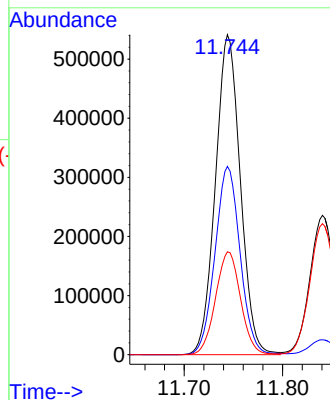
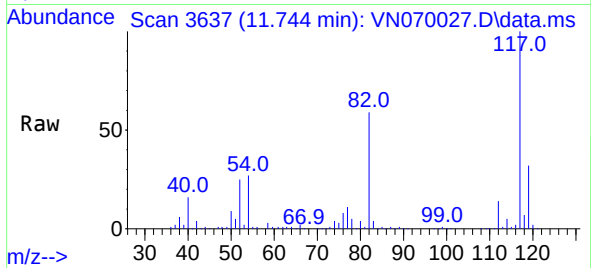
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 117 Resp: 952969
Ion Ratio Lower Upper
117 100
82 59.3 43.6 65.4
119 32.3 25.8 38.6

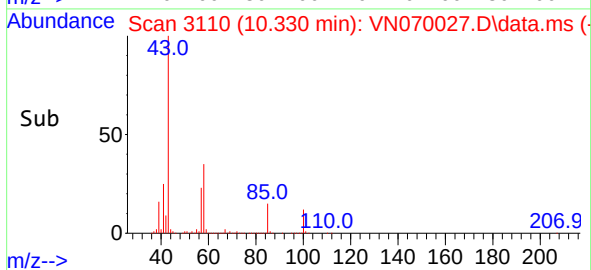
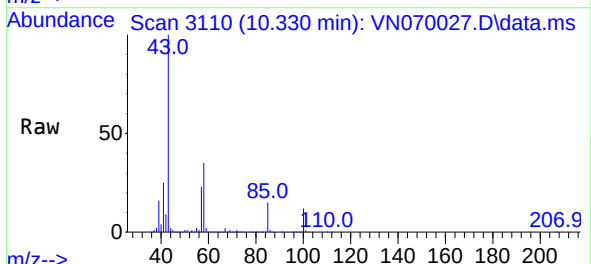
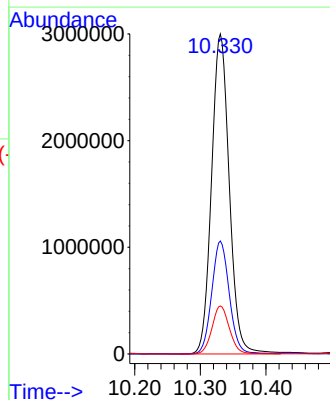
Manual Integrations
APPROVED

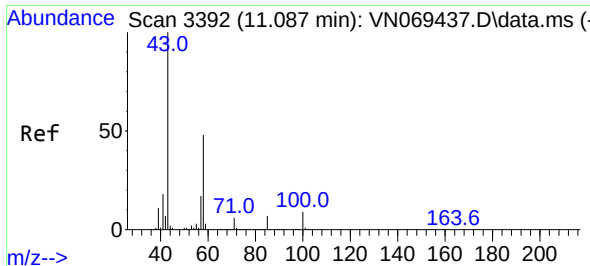
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#58
4-Methyl-2-Pentanone
Concen: 269.248 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion: 43 Resp: 5632242
Ion Ratio Lower Upper
43 100
58 35.0 30.0 45.0
85 14.8 15.0 22.6#





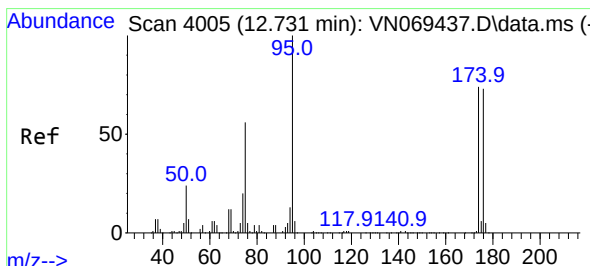
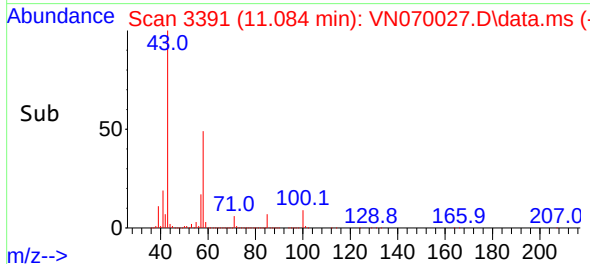
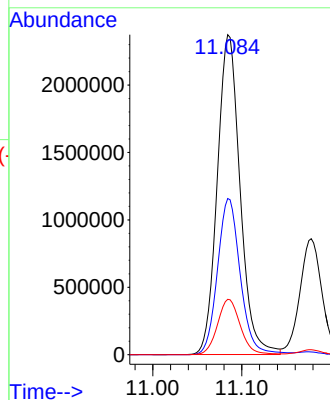
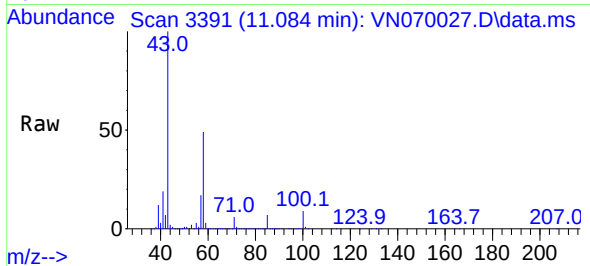
#59
2-Hexanone
Concen: 266.272 ug/l
RT: 11.084 min Scan# 3392
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 43 Resp: 4236910
Ion Ratio Lower Upper
43 100
58 48.8 42.2 63.2
57 17.4 15.0 22.4

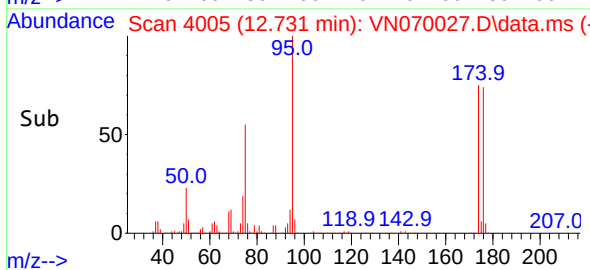
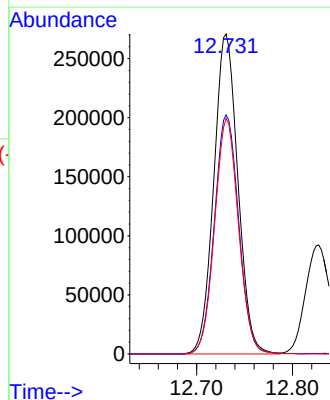
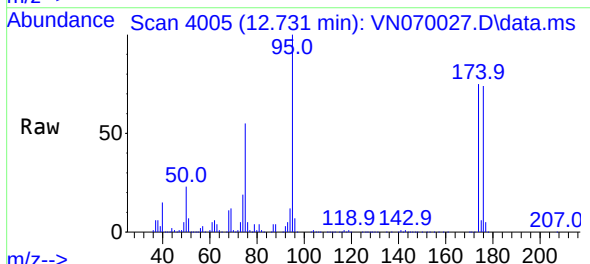
Manual Integrations
APPROVED

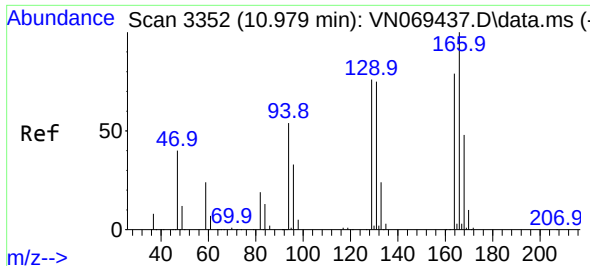
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#60
4-Bromofluorobenzene
Concen: 30.984 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

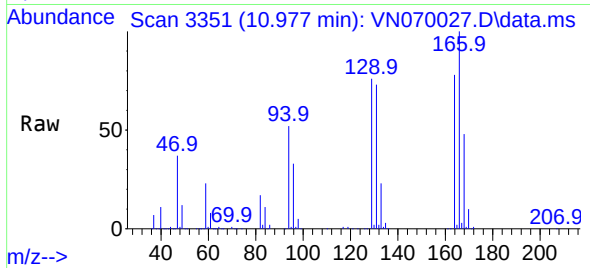
Tgt Ion: 95 Resp: 472509
Ion Ratio Lower Upper
95 100
174 75.4 62.9 94.3
176 73.0 61.0 91.4





#61
Tetrachloroethene
Concen: 53.100 ug/l
RT: 10.977 min Scan# 3175
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

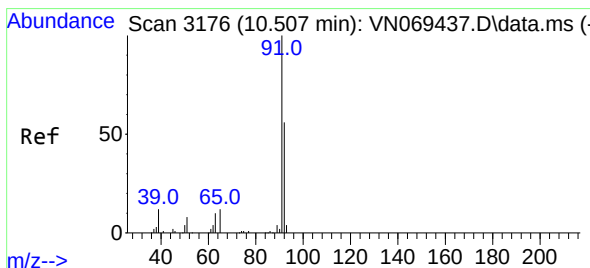
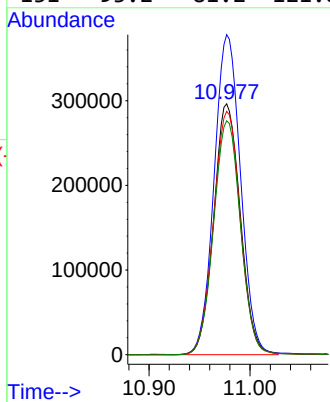
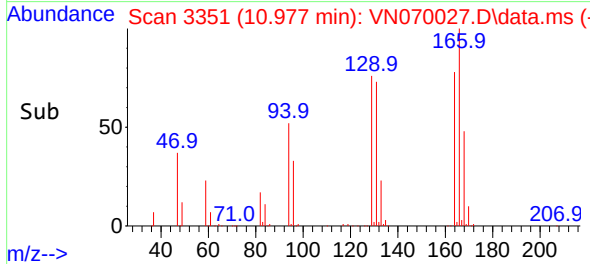
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



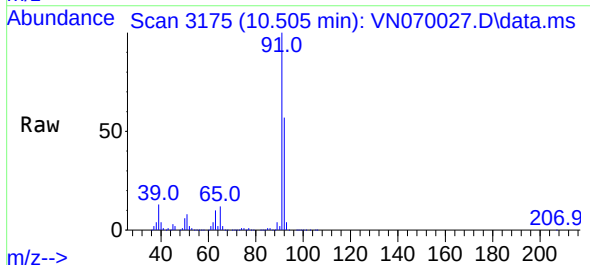
Tgt Ion:164 Resp: 543124
Ion Ratio Lower Upper
164 100
166 127.6 105.8 158.8
129 97.0 82.5 123.7
131 93.2 81.2 121.8

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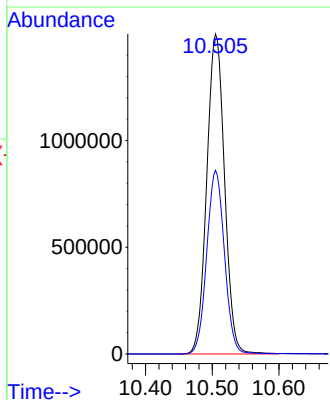
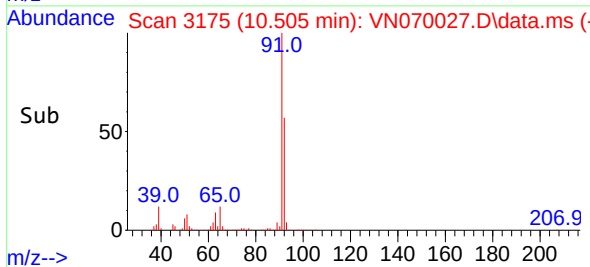
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

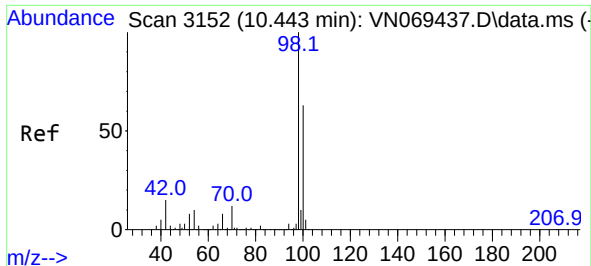


#62
Toluene
Concen: 53.009 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10



Tgt Ion: 91 Resp: 2775914
Ion Ratio Lower Upper
91 100
92 57.0 44.6 67.0





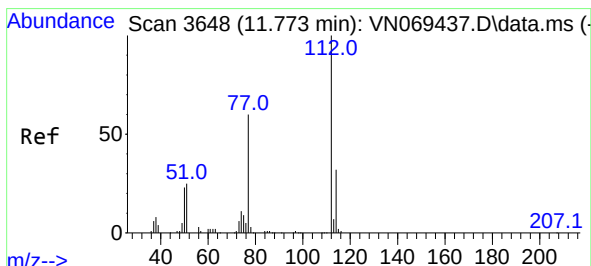
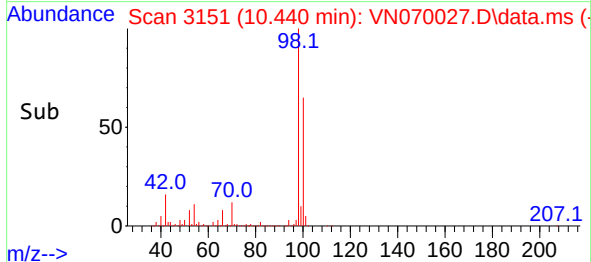
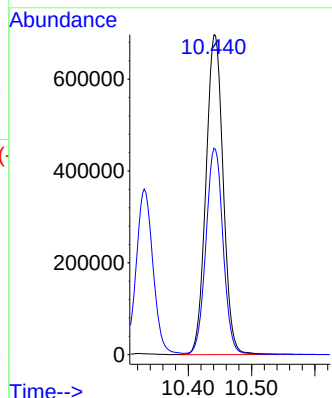
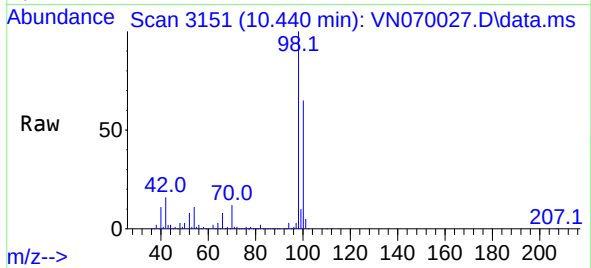
#63
Toluene-d8
Concen: 29.879 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 98 Resp: 1314718
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0

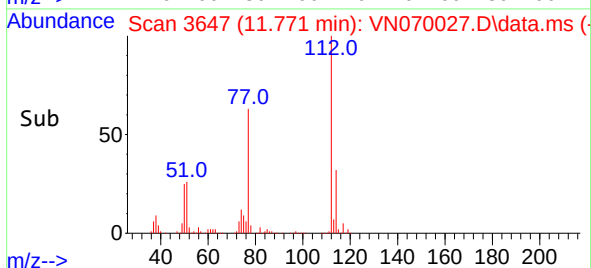
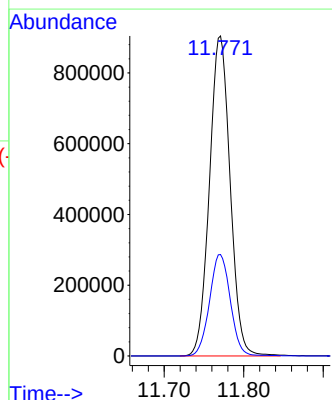
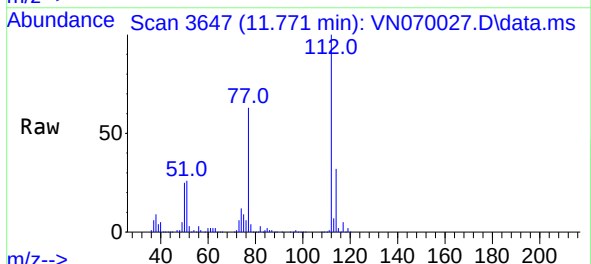
Manual Integrations
APPROVED

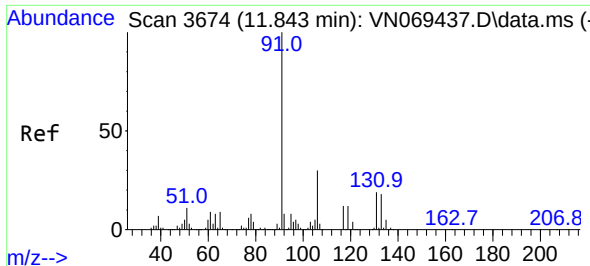
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#64
Chlorobenzene
Concen: 51.983 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. 0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

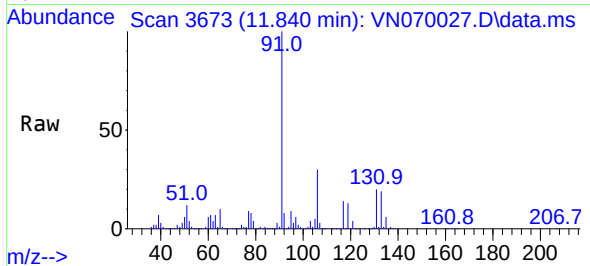
Tgt Ion:112 Resp: 1633207
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 56.700 ug/l
RT: 11.840 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

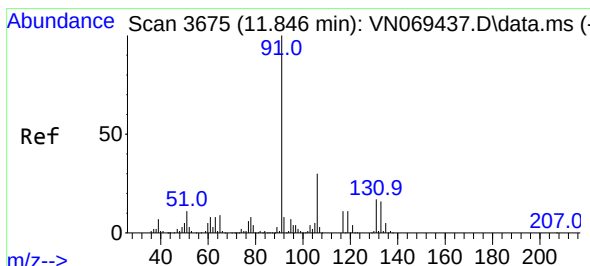
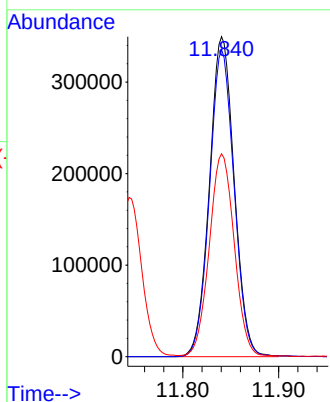
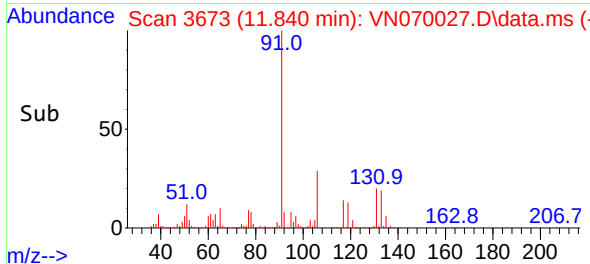
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



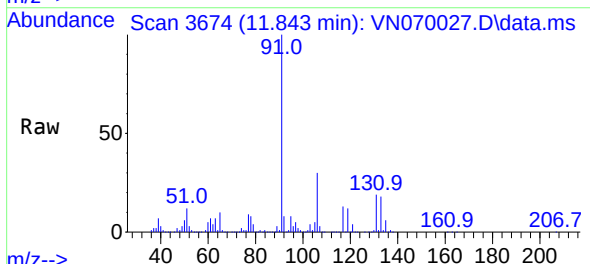
Tgt Ion:131 Resp: 627160
Ion Ratio Lower Upper
131 100
133 94.9 0.0 191.2
119 63.7 0.0 128.8

Manual Integrations
APPROVED

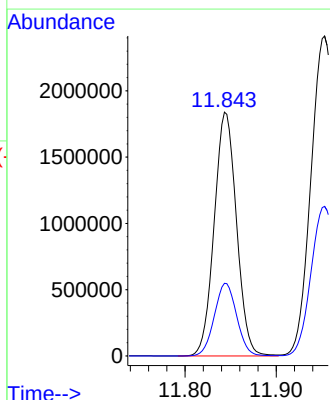
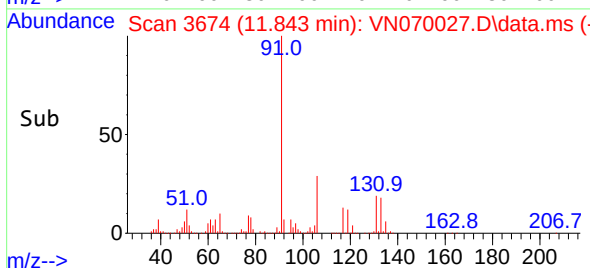
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

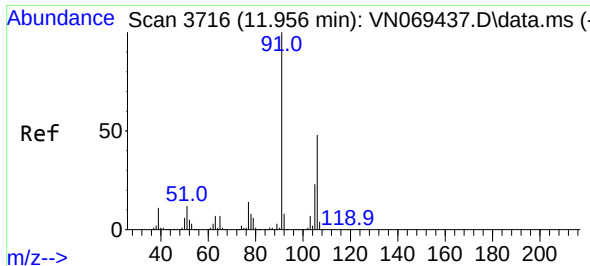


#66
Ethyl Benzene
Concen: 53.916 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10



Tgt Ion: 91 Resp: 3125175
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0





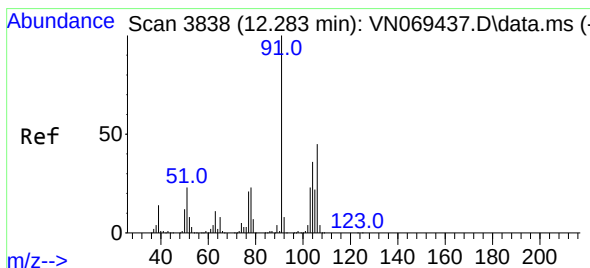
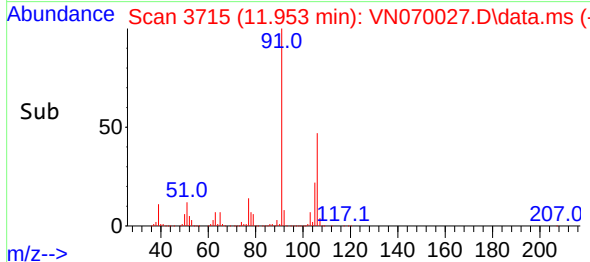
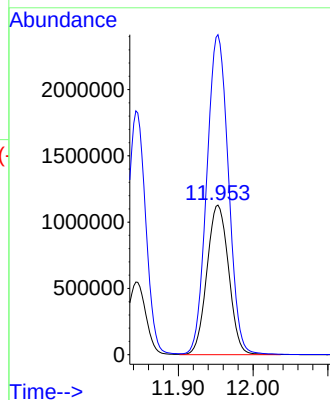
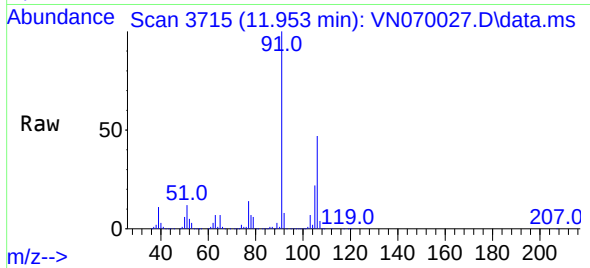
#67
m/p-Xylenes
Concen: 106.147 ug/l
RT: 11.953 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:106 Resp: 228520
Ion Ratio Lower Upper
106 100
91 212.6 162.9 244.3

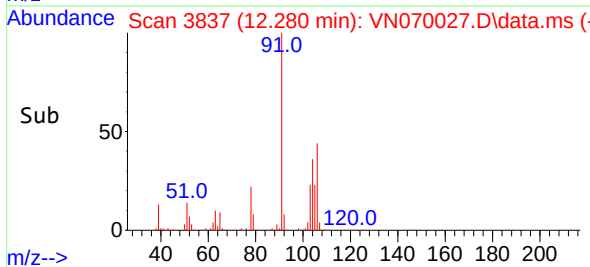
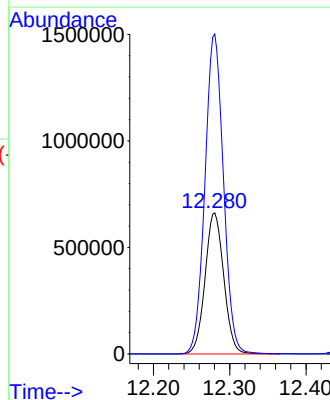
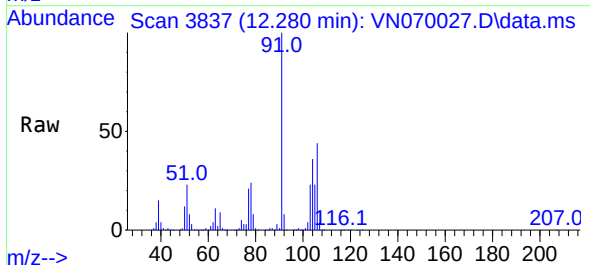
Manual Integrations
APPROVED

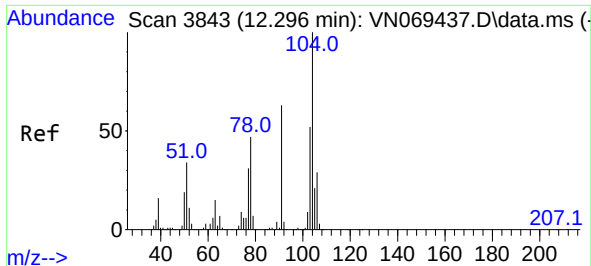
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#68
o-Xylene
Concen: 52.260 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

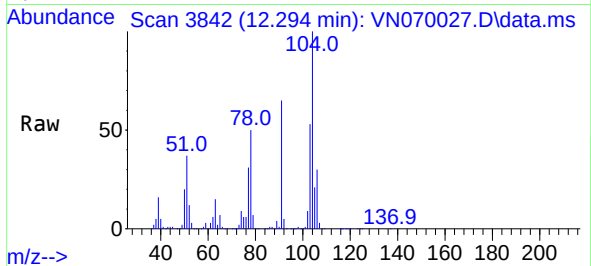
Tgt Ion:106 Resp: 1126514
Ion Ratio Lower Upper
106 100
91 224.7 107.7 323.1





#69
Styrene
Concen: 53.080 ug/l
RT: 12.294 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

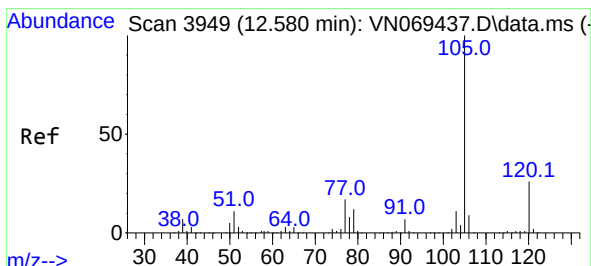
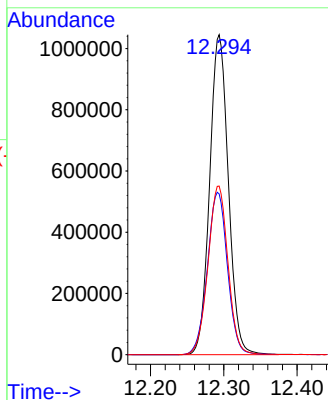
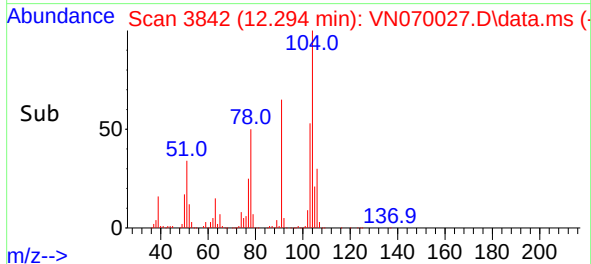
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



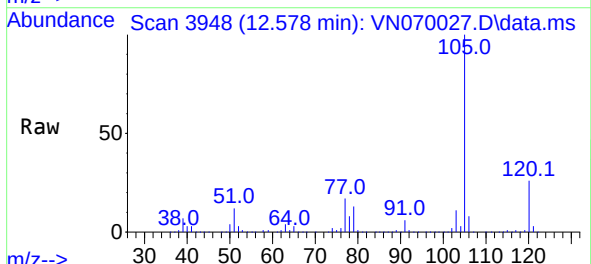
Tgt Ion:104 Resp: 1854998
Ion Ratio Lower Upper
104 100
78 54.7 40.7 61.1
103 56.3 45.8 68.8

Manual Integrations
APPROVED

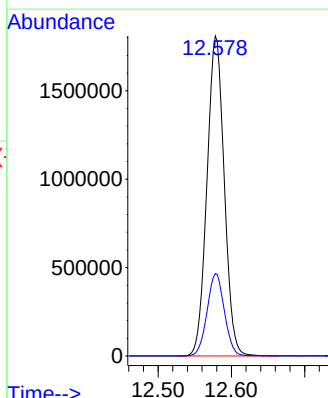
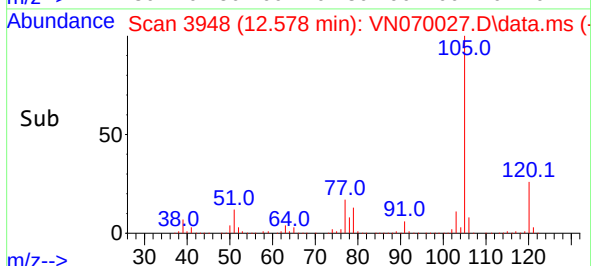
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

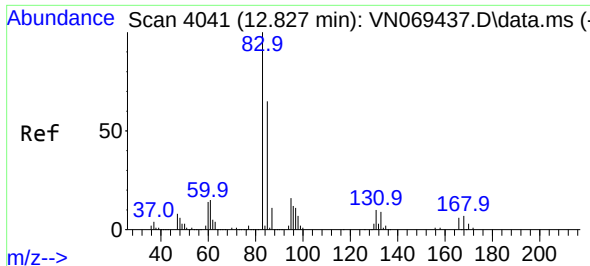


#70
Isopropylbenzene
Concen: 52.570 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10



Tgt Ion:105 Resp: 2963633
Ion Ratio Lower Upper
105 100
120 25.8 18.3 34.1





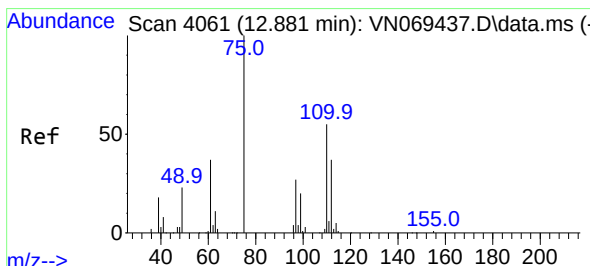
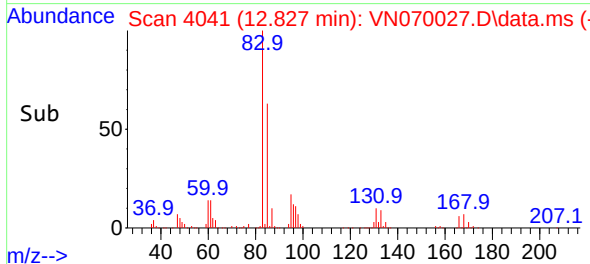
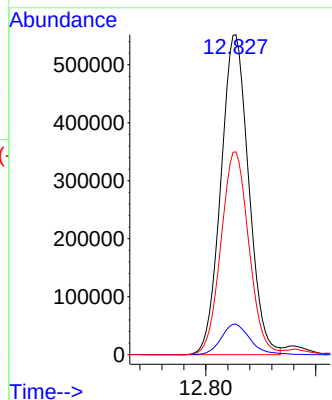
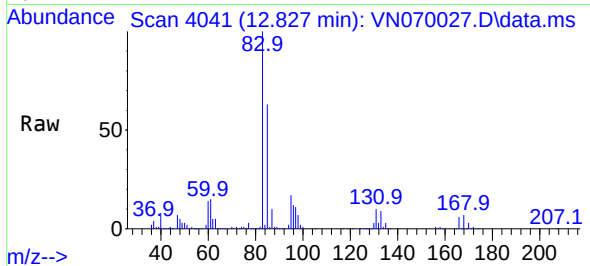
#71
1,1,2,2-Tetrachloroethane
Concen: 52.080 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 83 Resp: 96880
Ion Ratio Lower Upper
83 100
131 9.9 5.1 15.3
85 63.6 33.1 99.2

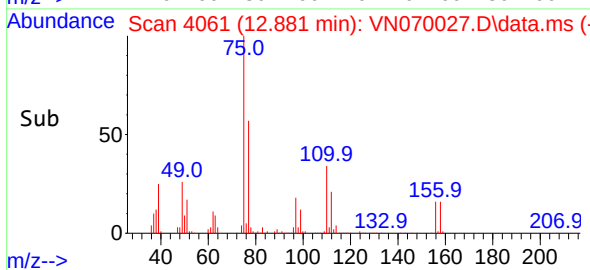
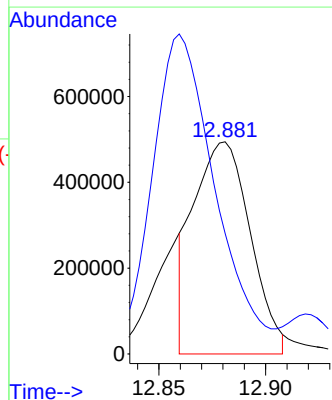
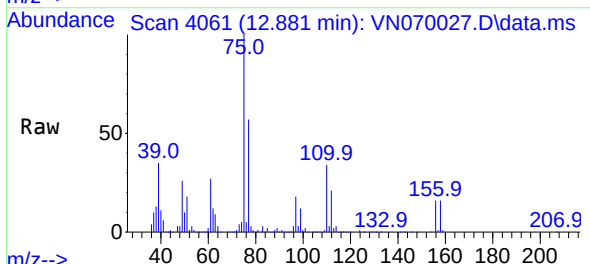
Manual Integrations
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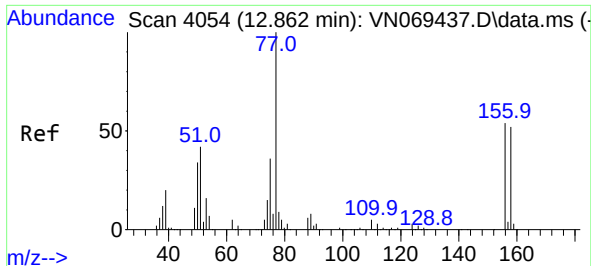
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#72
1,2,3-Trichloropropane
Concen: 50.325 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

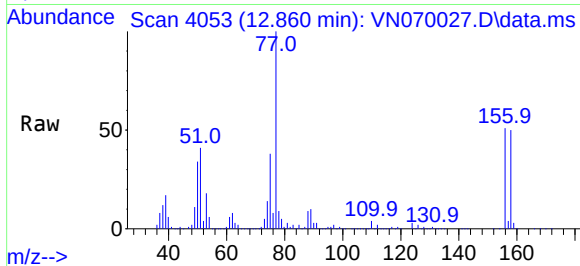
Tgt Ion: 75 Resp: 911972
Ion Ratio Lower Upper
75 100
77 169.0 0.0 378.0





#73
Bromobenzene
Concen: 52.012 ug/l
RT: 12.860 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

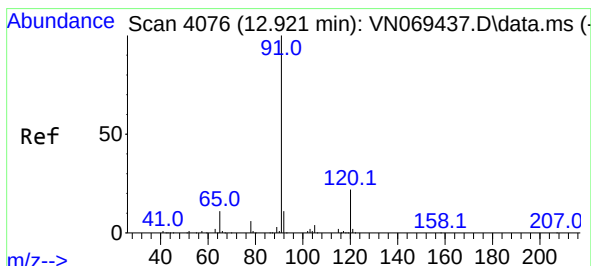
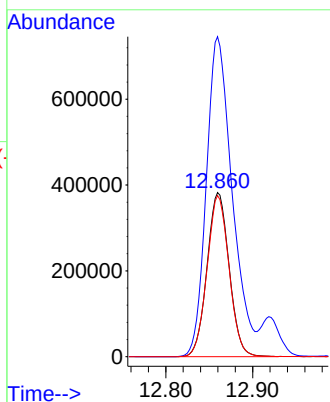
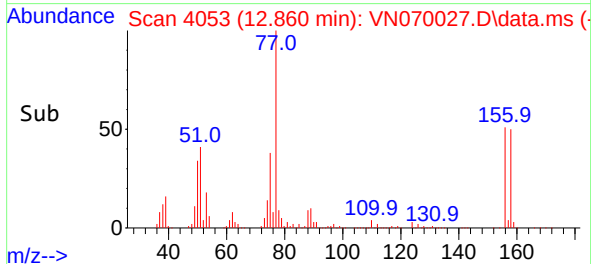
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



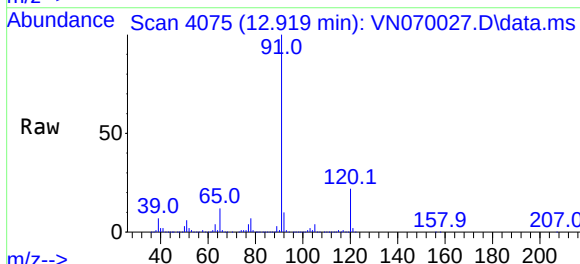
Tgt Ion:156 Resp: 675910
Ion Ratio Lower Upper
156 100
77 228.1 0.0 416.0
158 97.7 0.0 195.4

Manual Integrations
APPROVED

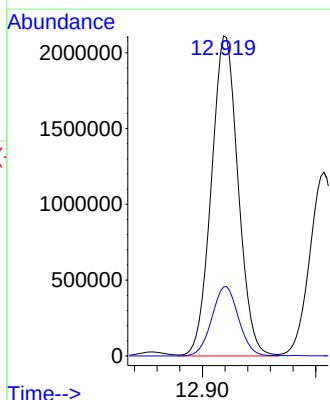
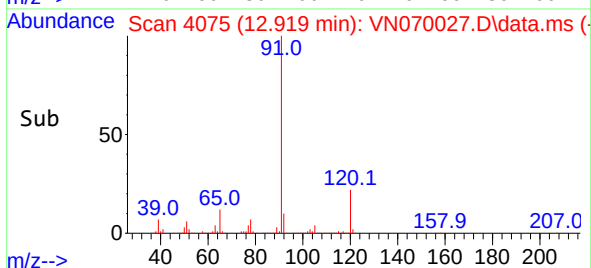
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

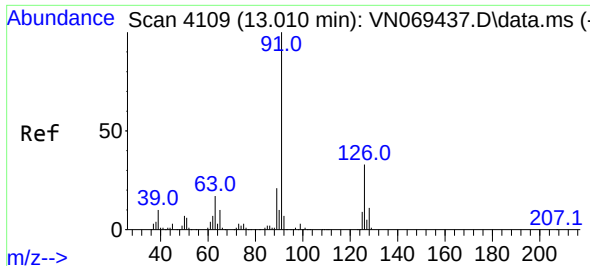


#74
n-propylbenzene
Concen: 53.367 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10



Tgt Ion: 91 Resp: 3455210
Ion Ratio Lower Upper
91 100
120 21.7 0.0 45.0





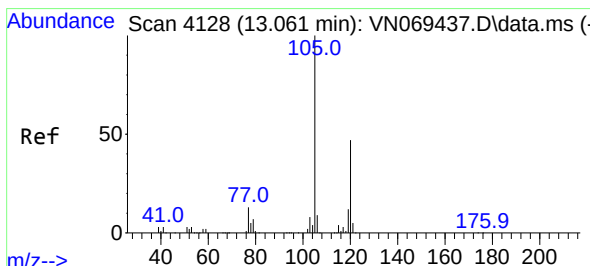
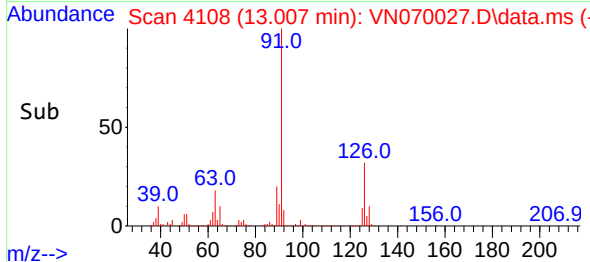
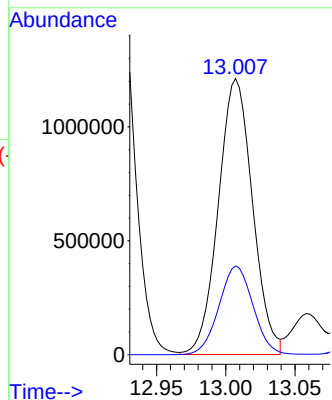
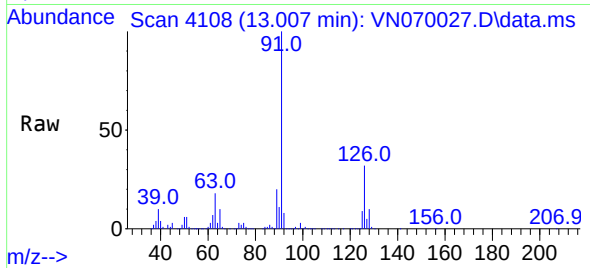
#75
2-Chlorotoluene
Concen: 52.848 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 2082889
Ion Ratio Lower Upper
91 100
126 32.0 0.0 69.8

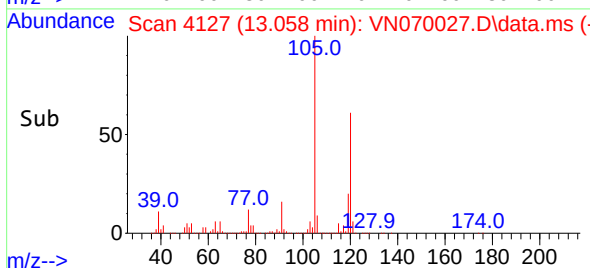
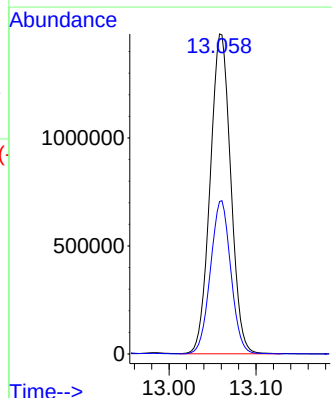
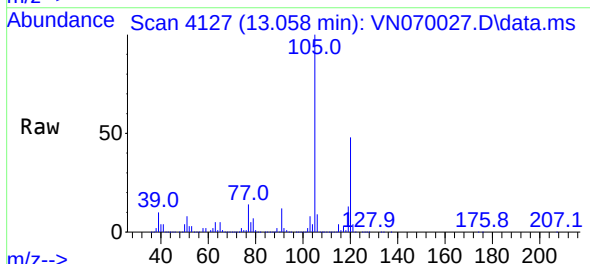
Manual Integrations
APPROVED

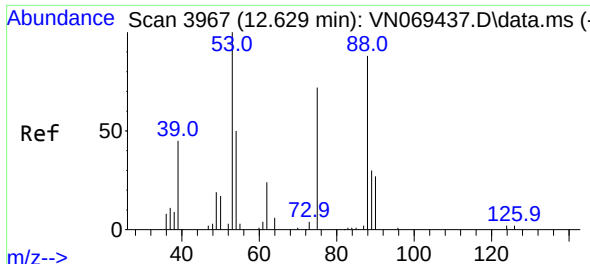
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#76
1,3,5-Trimethylbenzene
Concen: 52.701 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

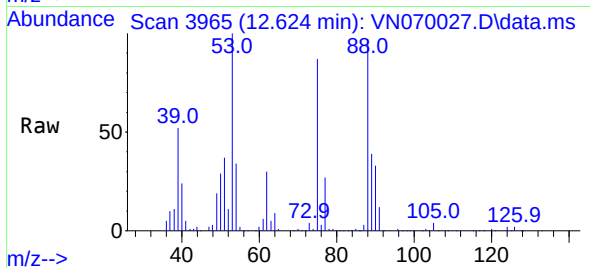
Tgt Ion:105 Resp: 2438480
Ion Ratio Lower Upper
105 100
120 47.3 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 58.760 ug/l
RT: 12.624 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

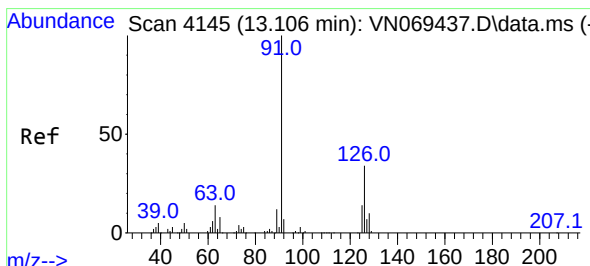
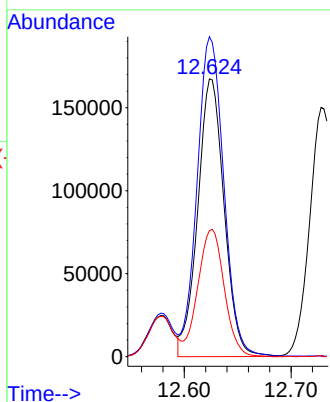
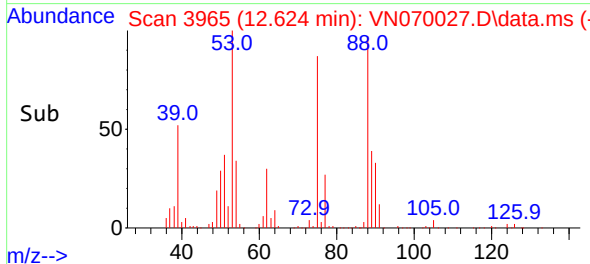
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



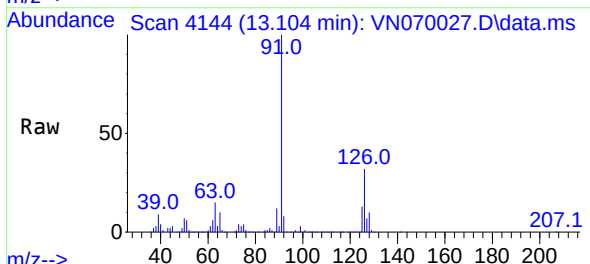
Tgt Ion: 75 Resp: 28743
Ion Ratio Lower Upper
75 100
53 115.4 51.8 155.5
89 45.6 22.9 68.7

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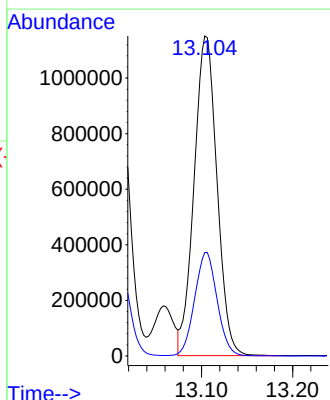
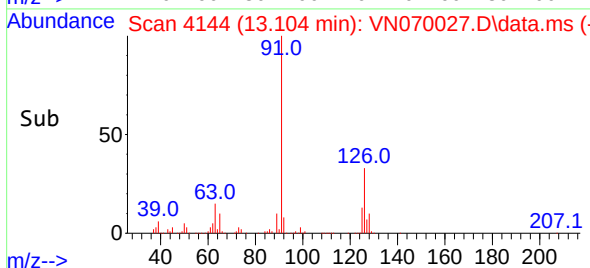
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

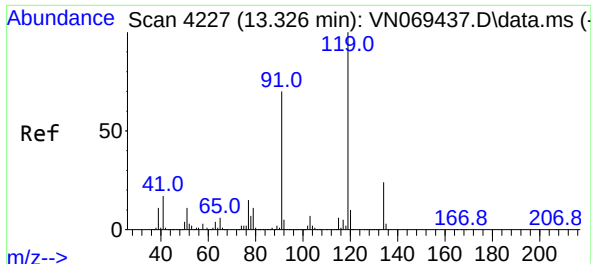


#78
4-Chlorotoluene
Concen: 53.181 ug/l
RT: 13.104 min Scan# 4144
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10



Tgt Ion: 91 Resp: 2007263
Ion Ratio Lower Upper
91 100
126 31.8 0.0 70.6





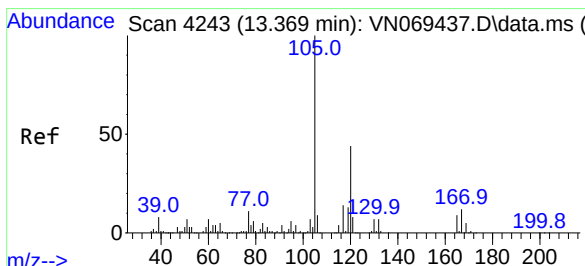
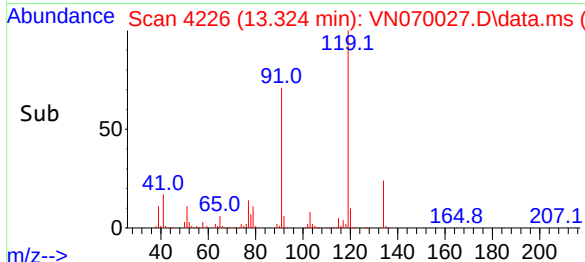
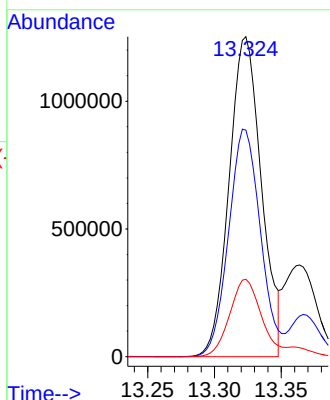
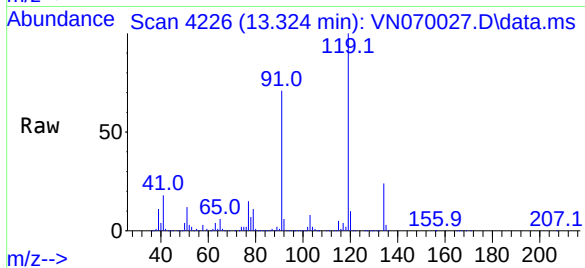
#79
tert-butylbenzene
Concen: 51.725 ug/l
RT: 13.324 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 2105334
Ion Ratio Lower Upper
119 100
91 70.2 0.0 137.0
134 23.9 0.0 47.6

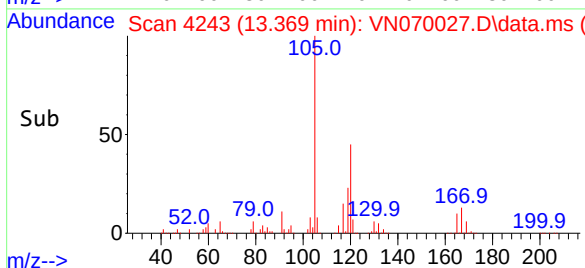
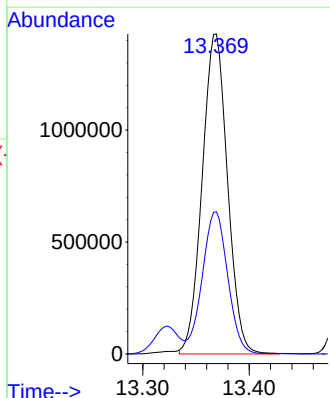
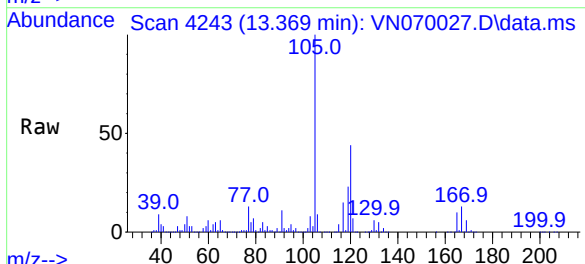
Manual Integrations
APPROVED

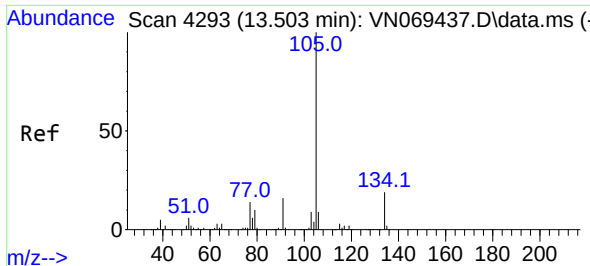
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#80
1,2,4-Trimethylbenzene
Concen: 52.349 ug/l m
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion:105 Resp: 2362860
Ion Ratio Lower Upper
105 100
120 0.2 0.0 0.2





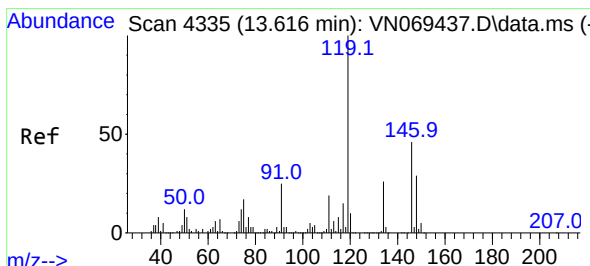
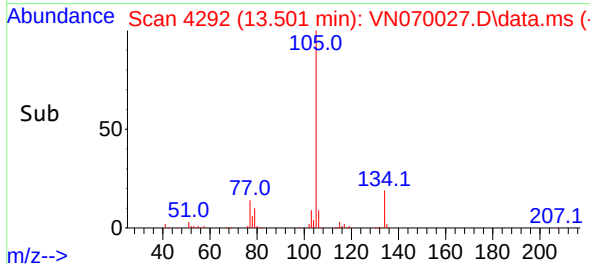
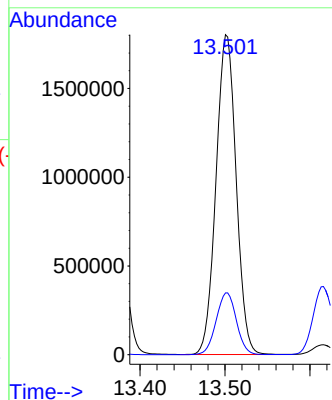
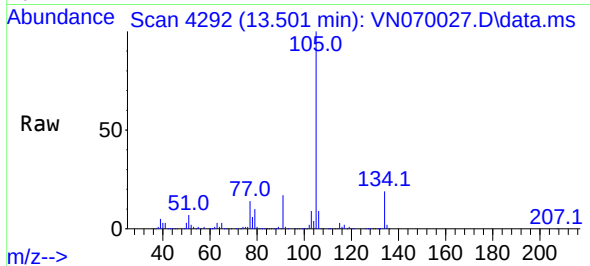
#81
 sec-Butylbenzene
 Concen: 52.076 ug/l
 RT: 13.501 min Scan# 4292
 Delta R.T. 0.000 min
 Lab File: VN070027.D
 Acq: 13 Dec 2021 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion:105 Resp: 2965689
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 39.4

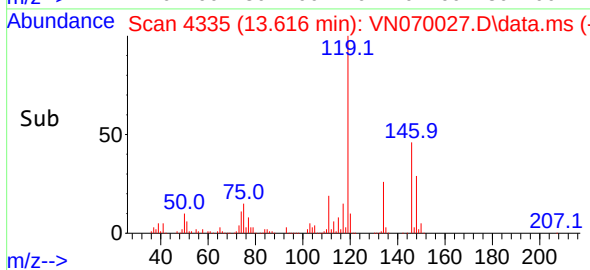
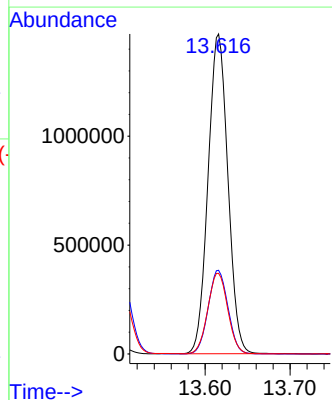
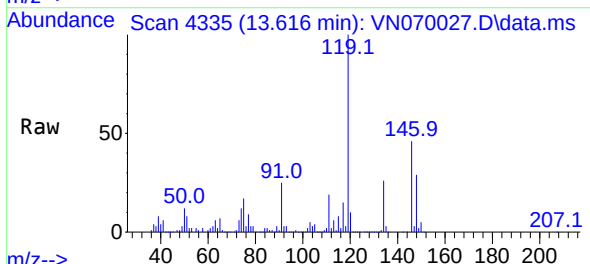
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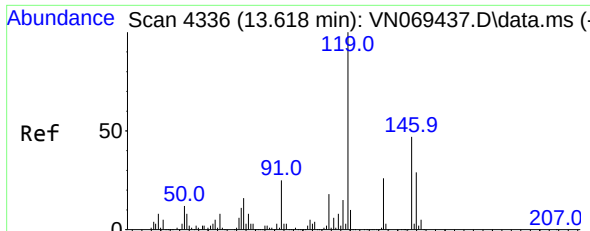
Reviewed By :John Carlone 12/14/2021
 Supervised By :Amit Patel 12/15/2021



#82
 p-Isopropyltoluene
 Concen: 52.268 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070027.D
 Acq: 13 Dec 2021 11:10

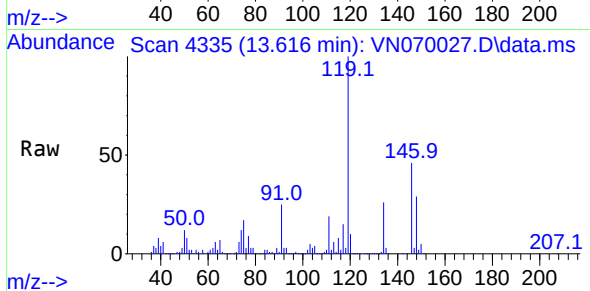
Tgt Ion:119 Resp: 2375019
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 51.8
 91 25.5 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 52.628 ug/l
RT: 13.616 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

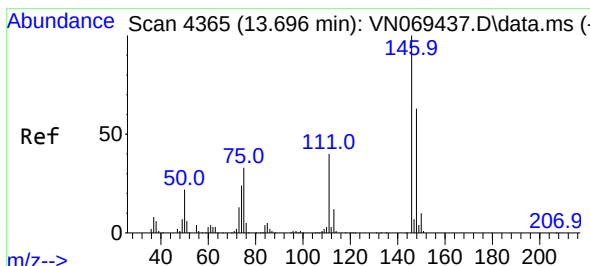
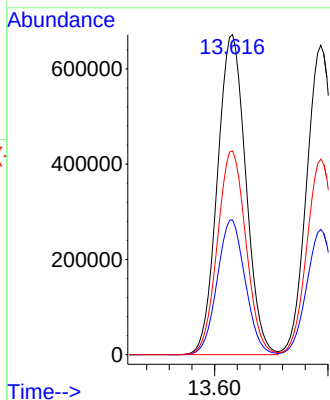
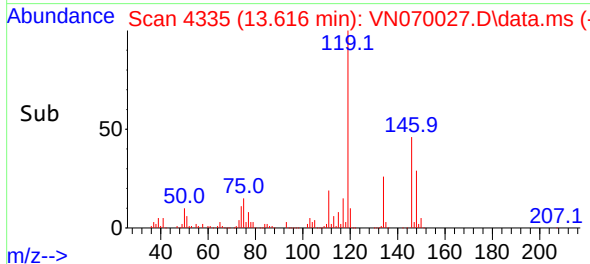
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



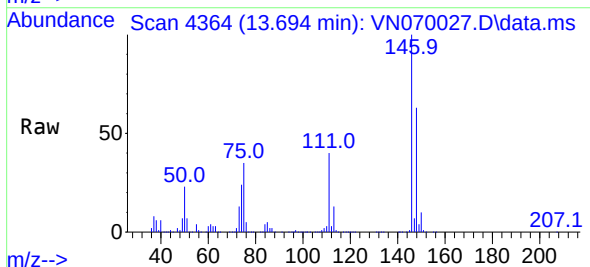
Tgt Ion:146 Resp: 1169319
Ion Ratio Lower Upper
146 100
111 41.7 20.8 62.2
148 64.1 31.4 94.3

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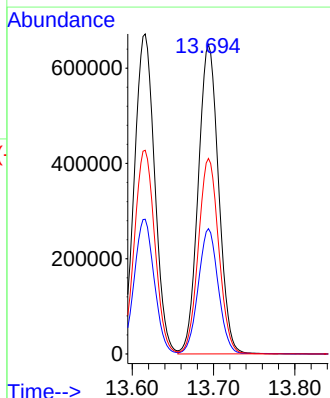
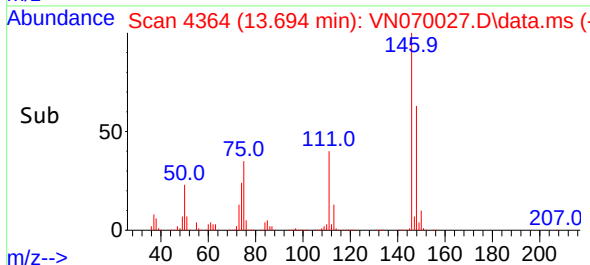
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

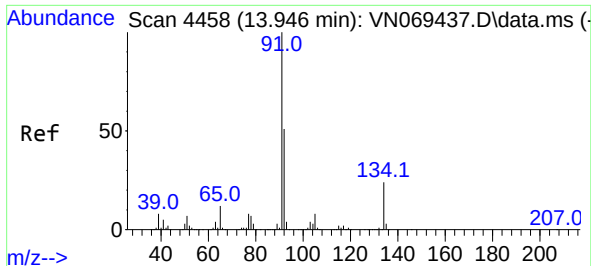


#84
1,4-Dichlorobenzene
Concen: 52.354 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10



Tgt Ion:146 Resp: 1128485
Ion Ratio Lower Upper
146 100
111 39.7 19.5 58.5
148 63.5 31.1 93.5





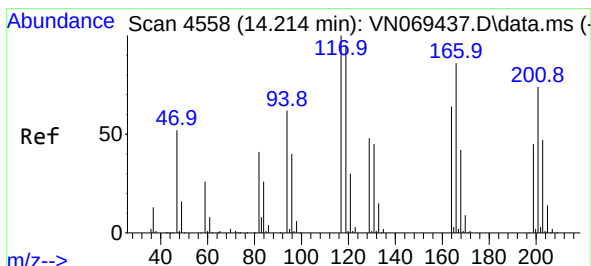
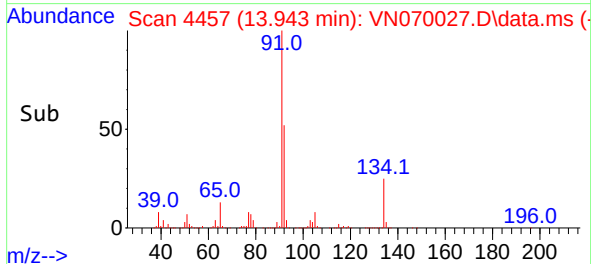
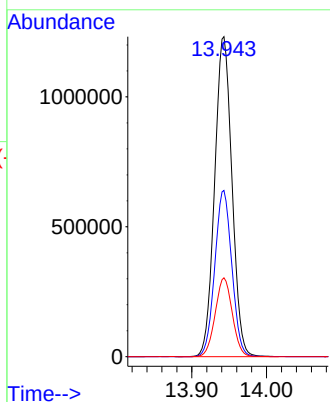
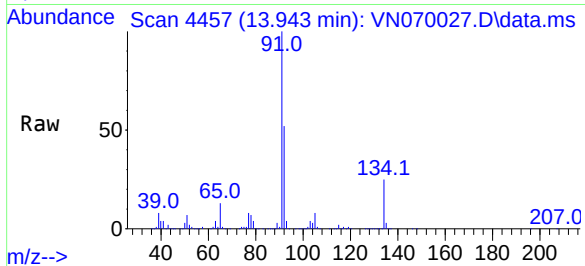
#85
n-Butylbenzene
Concen: 52.168 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 197845
Ion Ratio Lower Upper
91 100
92 51.2 0.0 100.6
134 24.4 0.0 50.2

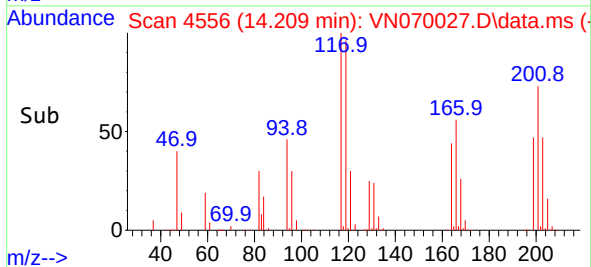
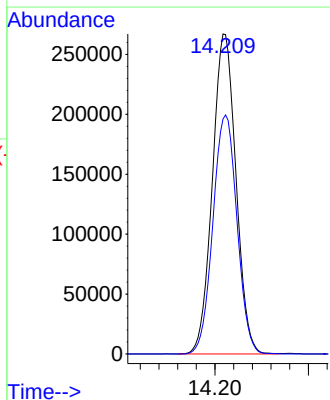
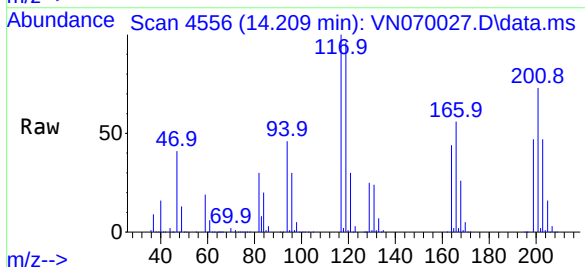
Manual Integrations
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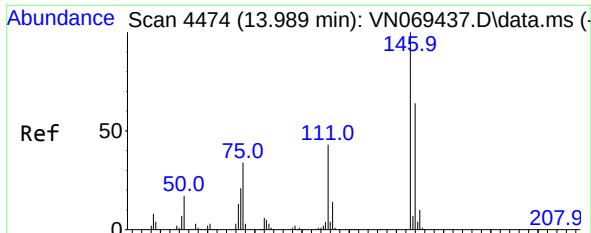
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#86
Hexachloroethane
Concen: 62.268 ug/l
RT: 14.209 min Scan# 4556
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

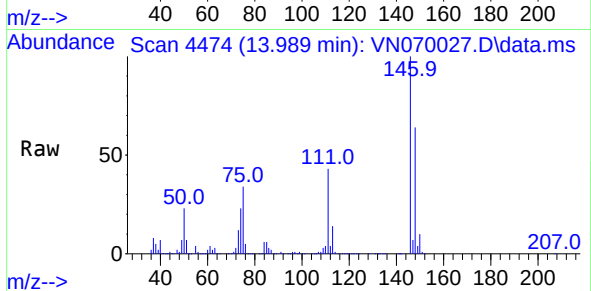
Tgt Ion:117 Resp: 468267
Ion Ratio Lower Upper
117 100
201 76.2 33.3 99.8





#87
1,2-Dichlorobenzene
Concen: 52.577 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

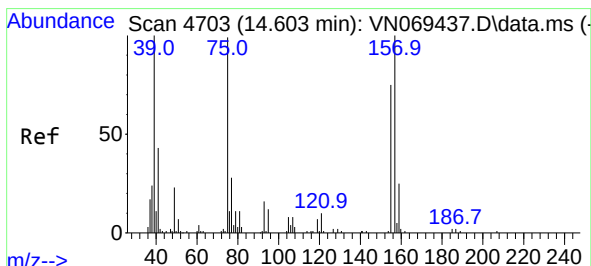
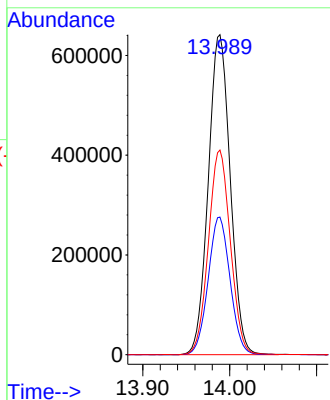
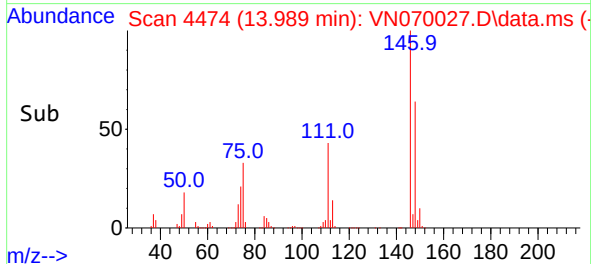
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:146 Resp: 112742
Ion Ratio Lower Upper
146 100
111 42.9 21.4 64.2
148 63.9 32.5 97.4

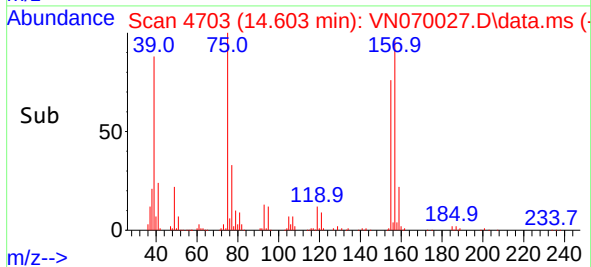
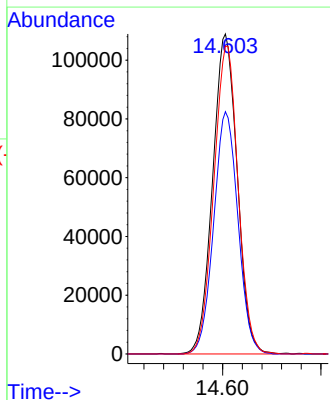
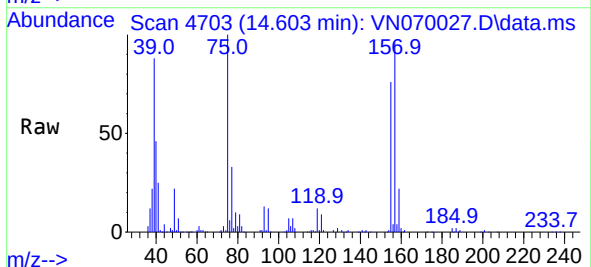
Manual Integrations
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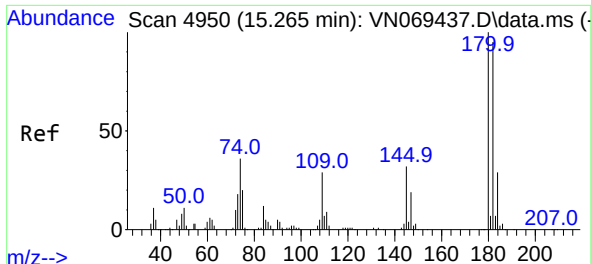
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#88
1,2-Dibromo-3-Chloropropane
Concen: 58.146 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Tgt Ion: 75 Resp: 189346
Ion Ratio Lower Upper
75 100
155 74.7 63.8 95.8
157 95.2 77.9 116.9





#89
1,2,4-Trichlorobenzene
Concen: 52.201 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

Instrument :

MSVOA_N

ClientSampleId :

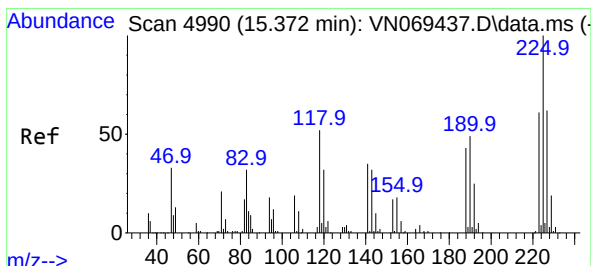
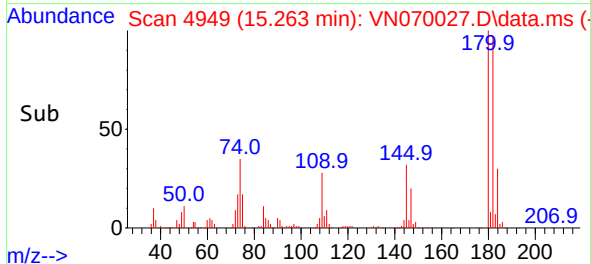
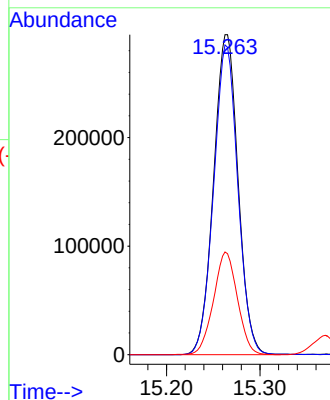
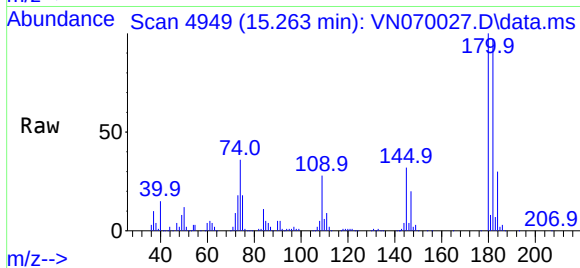
VSTDICC050

Tgt Ion:180 Resp: 536712
Ion Ratio Lower Upper
180 100
182 95.6 77.7 116.5
145 31.3 26.6 39.8

Manual Integrations

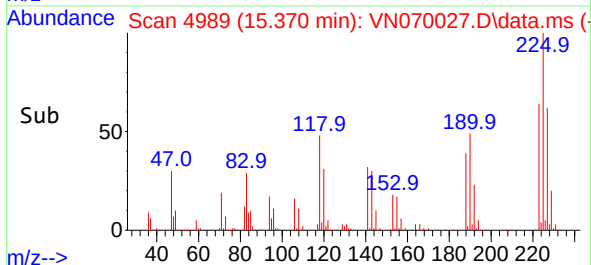
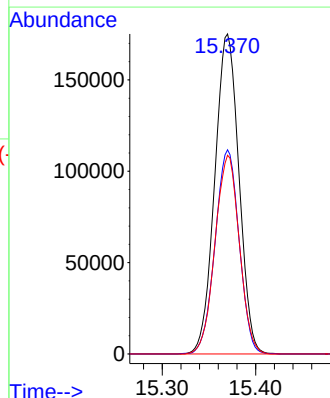
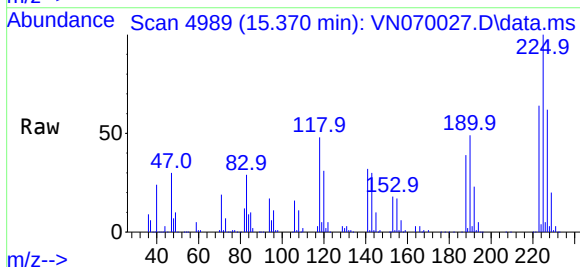
APPROVED

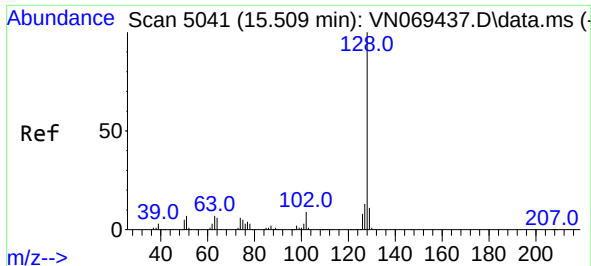
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#90
Hexachlorobutadiene
Concen: 56.754 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. 0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

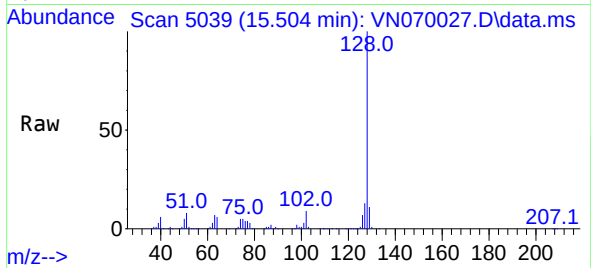
Tgt Ion:225 Resp: 315550
Ion Ratio Lower Upper
225 100
223 63.3 0.0 126.8
227 62.5 0.0 123.0





#91
Naphthalene
Concen: 47.412 ug/l
RT: 15.504 min Scan# 5041
Delta R.T. -0.005 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10

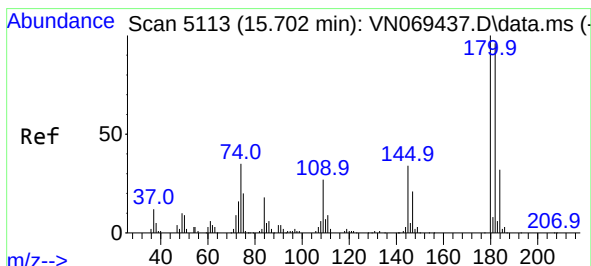
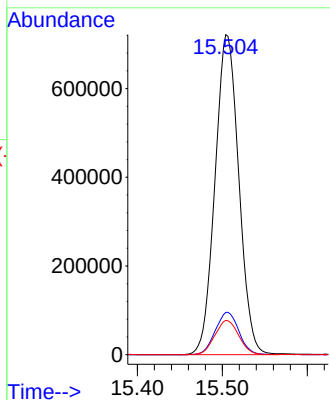
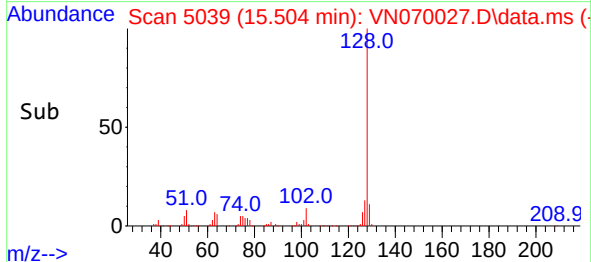
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



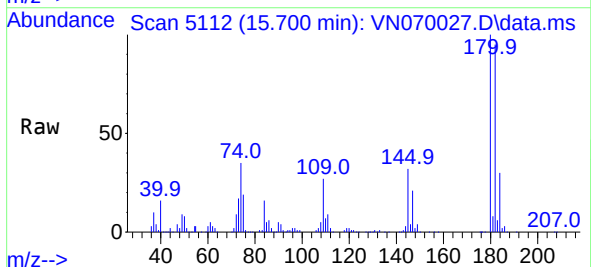
Tgt Ion:128 Resp: 140426
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.8 9.0 13.6

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



#92
1,2,3-Trichlorobenzene
Concen: 50.508 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.003 min
Lab File: VN070027.D
Acq: 13 Dec 2021 11:10



Tgt Ion:180 Resp: 510509
Ion Ratio Lower Upper
180 100
182 95.5 0.0 190.0
145 32.9 0.0 67.8

