

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070041.D
 Acq On : 13 Dec 2021 19:02
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

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

Quant Time: Dec 14 05:28:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 14 00:59:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	163974	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	894288	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.744	117	810088	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	444065	30.559	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.867%			
60) 4-Bromofluorobenzene	12.731	95	392155	29.419	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.067%			
63) Toluene-d8	10.440	98	1168679	31.218	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.067%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	245732	20.651	ug/l	99
3) Chloromethane	2.303	50	283488	20.799	ug/l	95
4) Vinyl Chloride	2.445	62	253096	19.734	ug/l	100
5) Bromomethane	2.867	94	135400	19.314	ug/l	98
6) Chloroethane	3.025	64	148420	20.155	ug/l	99
7) Trichlorofluoromethane	3.376	101	331490	19.798	ug/l	99
8) Diethyl Ether	3.827	74	127747	19.228	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.208	101	189396	19.258	ug/l #	68
10) 1,1-Dichloroethene	4.178	96	180371	19.282	ug/l	87
11) Methyl Iodide	4.422	142	252124	19.261	ug/l	99
12) Methyl Acetate	4.857	43	473022	20.528	ug/l #	88
13) Acrolein	4.044	56	181415	97.264	ug/l	98
14) Acrylonitrile	5.557	53	683872	102.789	ug/l	99
15) Acetone	4.288	58	196943	81.577	ug/l	81
16) Carbon Disulfide	4.529	76	529287	18.778	ug/l	97
17) Allyl chloride	4.840	41	401758	19.097	ug/l	88
18) Methylene Chloride	5.095	84	223961	19.861	ug/l #	86
19) trans-1,2-Dichloroethene	5.597	96	188267	18.948	ug/l #	76
20) Diisopropyl ether	6.501	45	799482	19.842	ug/l #	94
21) 1,1-Dichloroethane	6.385	63	410462	19.325	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	225858	19.205	ug/l	88
23) tert-Butyl Alcohol	5.382	59	213217	101.380	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	659440	19.852	ug/l	95
25) Chloroform	7.820	83	417110	19.765	ug/l	98
26) Cyclohexane	8.094	56	378092	19.230	ug/l #	84
29) 1,1-Dichloropropene	8.222	75	298138	19.362	ug/l	95
30) 2-Butanone	7.340	43	1015548	95.860	ug/l #	90
31) 2,2-Dichloropropane	7.324	77	292609	18.172	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	351397m	19.704	ug/l	
33) Carbon Tetrachloride	8.204	117	313014	19.746	ug/l	99
34) Benzene	8.461	78	903376	19.844	ug/l #	95
35) Methacrylonitrile	7.638	41	212019	21.635	ug/l	90
36) 1,2-Dichloroethane	8.531	62	353093	19.649	ug/l	98
37) Trichloroethene	9.217	130	205166	18.948	ug/l	89
38) Methylcyclohexane	9.461	83	337787	18.455	ug/l	87
39) 1,2-Dichloropropane	9.491	63	243609	20.072	ug/l	97
40) Dibromomethane	9.577	93	159782	19.958	ug/l	96
41) Bromodichloromethane	9.762	83	333013	19.672	ug/l	96
42) Vinyl Acetate	6.436	43	2740460	88.059	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	378678	20.579	ug/l	99
44) Isopropyl Acetate	8.563	43	606631	20.480	ug/l	94
45) 1,4-Dioxane	9.571	88	94080	448.846	ug/l #	84
46) Methyl methacrylate	9.561	41	272337	19.414	ug/l	83
47) n-amyl Acetate	12.390	43	380680	18.430	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	310233	18.221	ug/l	99
49) cis-1,3-Dichloropropene	10.188	75	348797	18.877	ug/l	94
50) 1,1,2-Trichloroethane	10.899	97	220833	20.294	ug/l	97
51) Ethyl methacrylate	10.762	69	330674	19.013	ug/l	90
52) 1,3-Dichloropropane	11.044	76	382883	19.872	ug/l	97
53) Dibromochloromethane	11.240	129	238643	19.523	ug/l	99
54) 1,2-Dibromoethane	11.347	107	215641	19.450	ug/l	96
55) 2-Chloroethyl vinyl ether	10.041	63	309153	90.673	ug/l	96
56) Bromoform	12.457	173	177136	19.033	ug/l #	99
58) 4-Methyl-2-Pentanone	10.330	43	2016772	108.468	ug/l #	94
59) 2-Hexanone	11.087	43	1405233	102.230	ug/l	94
61) Tetrachloroethene	10.977	164	182047	19.241	ug/l	94
62) Toluene	10.505	91	952653	19.996	ug/l	99
64) Chlorobenzene	11.771	112	546970	19.345	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.840	131	214787	20.169	ug/l	99
66) Ethyl Benzene	11.846	91	1024550	19.344	ug/l	100
67) m/p-Xylenes	11.953	106	757240	39.132	ug/l	94
68) o-Xylene	12.280	106	369418	19.295	ug/l	93
69) Styrene	12.296	104	592144	18.975	ug/l	97
70) Isopropylbenzene	12.581	105	968327	19.276	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.827	83	346924	21.057	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	331665m	21.633	ug/l	
73) Bromobenzene	12.862	156	224151	19.227	ug/l	91
74) n-propylbenzene	12.921	91	1089865	18.718	ug/l	98
75) 2-Chlorotoluene	13.007	91	677459	19.014	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	790718	19.158	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	91926	19.067	ug/l	91
78) 4-Chlorotoluene	13.106	91	633890	18.552	ug/l	95
79) tert-butylbenzene	13.324	119	678042	18.930	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	759710m	19.035	ug/l	
81) sec-Butylbenzene	13.503	105	937315	18.753	ug/l	99
82) p-Isopropyltoluene	13.619	119	728079	18.284	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	370698	18.801	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	346645	18.277	ug/l	98
85) n-Butylbenzene	13.943	91	547507	16.458	ug/l	98
86) Hexachloroethane	14.211	117	150512	18.946	ug/l	88
87) 1,2-Dichlorobenzene	13.989	146	365944	19.319	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	64798	20.560	ug/l	94
89) 1,2,4-Trichlorobenzene	15.265	180	150711	17.103	ug/l	97
90) Hexachlorobutadiene	15.370	225	97851	18.657	ug/l	99
91) Naphthalene	15.507	128	392177	20.068	ug/l #	93
92) 1,2,3-Trichlorobenzene	15.702	180	153520	18.439	ug/l	98

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

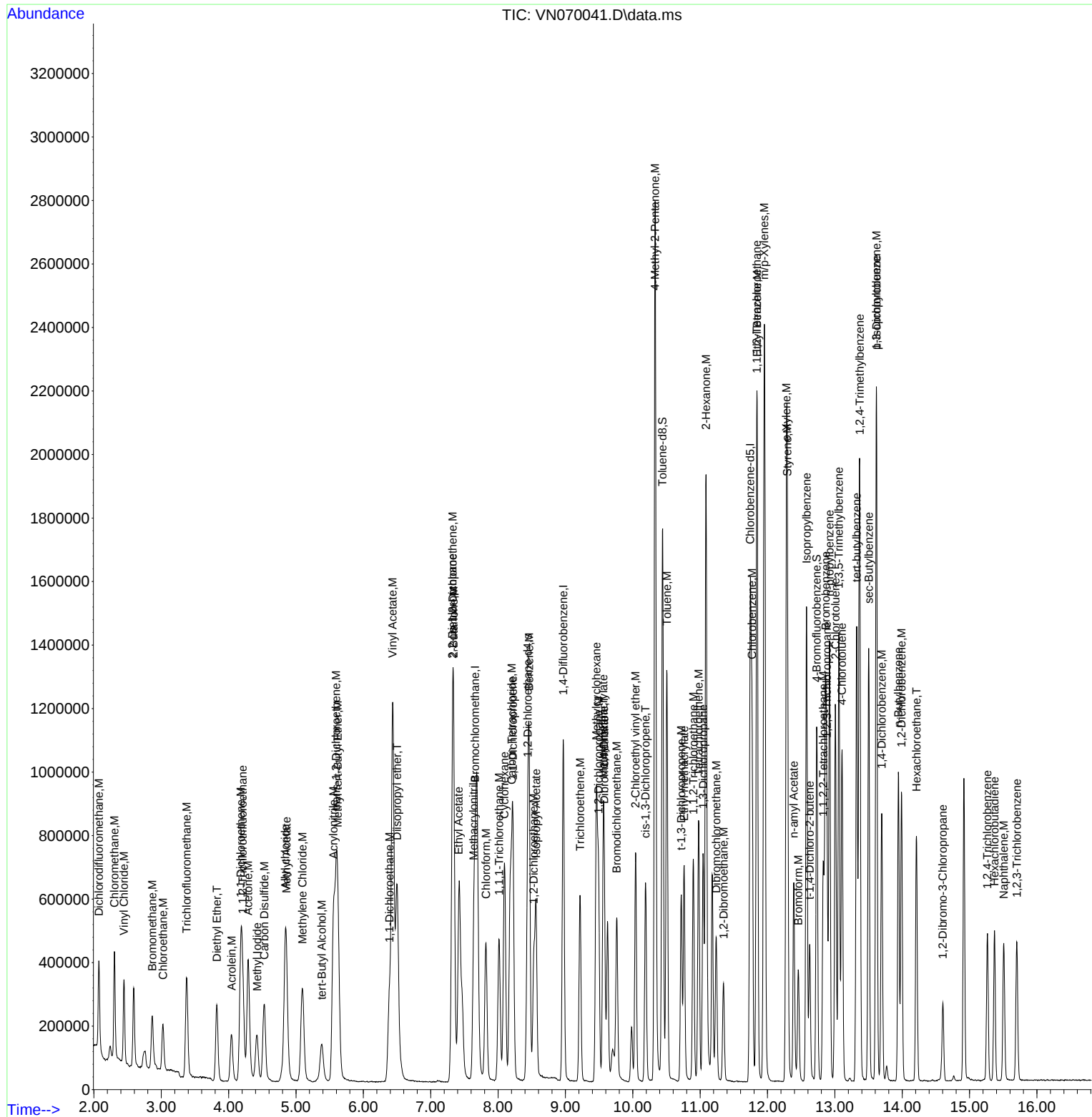
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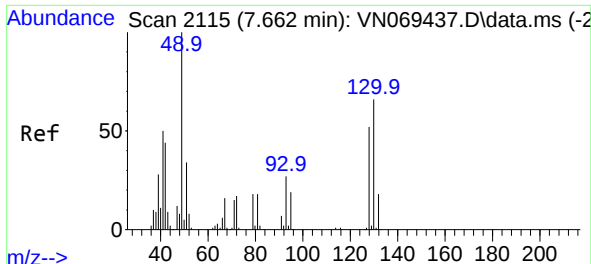
Instrument :
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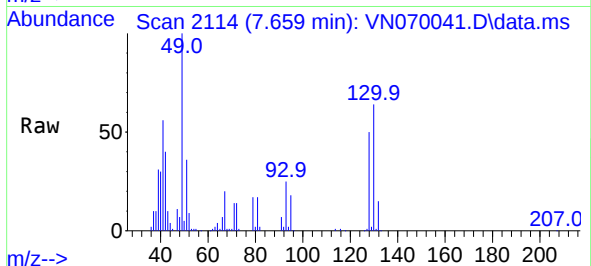
Reviewed By : John Carlone 12/14/2021
 Supervised By : Amit Patel 12/15/2021





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

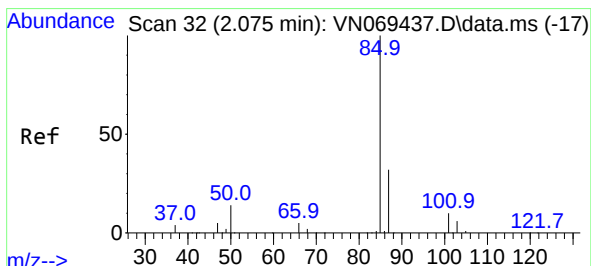
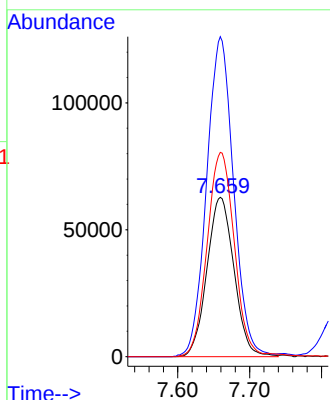
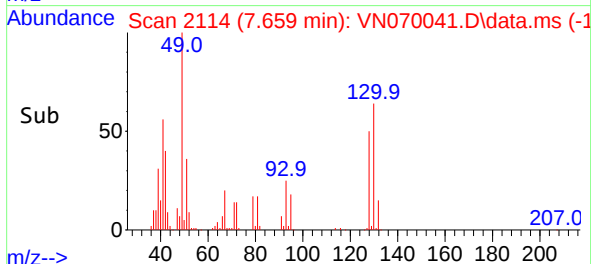
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



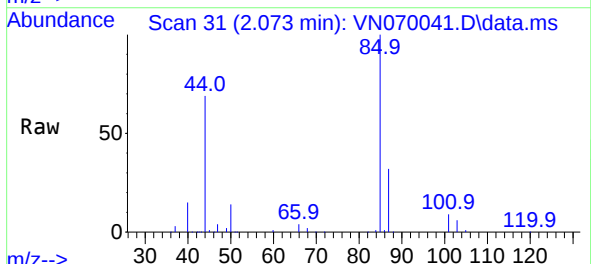
Tgt Ion:128 Resp: 163974
Ion Ratio Lower Upper
128 100
49 200.1 0.0 392.3
130 128.5 0.0 320.2

Manual Integrations
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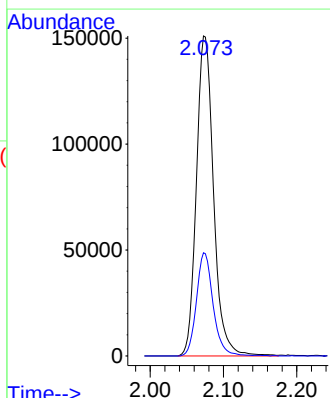
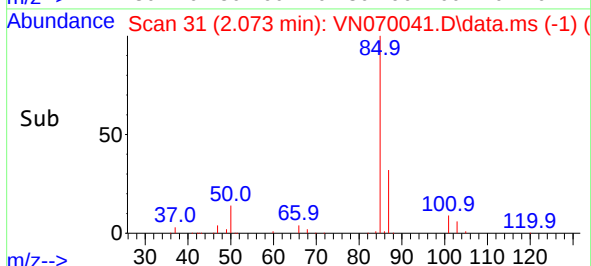
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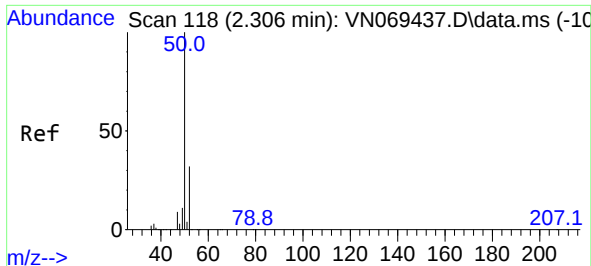


#2
Dichlorodifluoromethane
Concen: 20.651 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



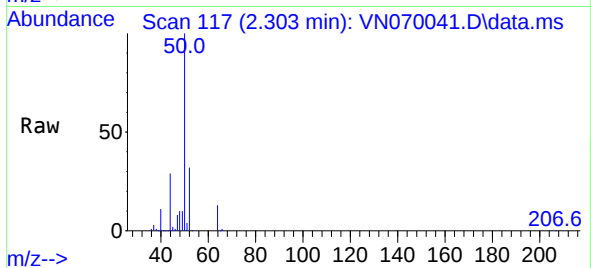
Tgt Ion: 85 Resp: 245732
Ion Ratio Lower Upper
85 100
87 32.3 16.6 49.7





#3
Chloromethane
Concen: 20.799 ug/l
RT: 2.303 min Scan# 118
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

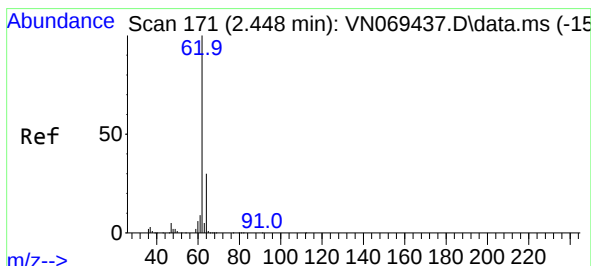
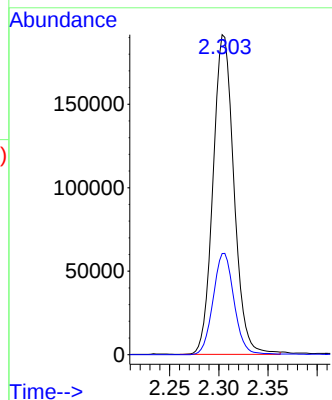
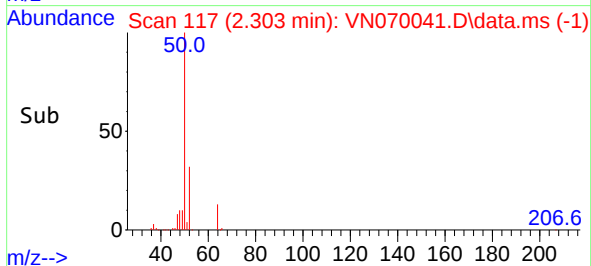
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Tgt Ion: 50 Resp: 283488
Ion Ratio Lower Upper
50 100
52 31.6 27.8 41.6

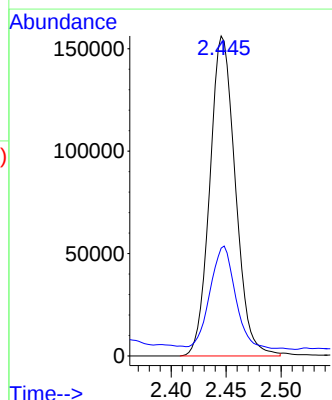
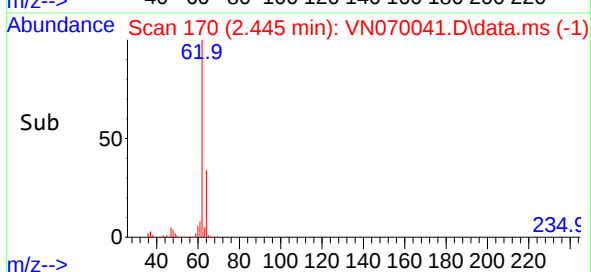
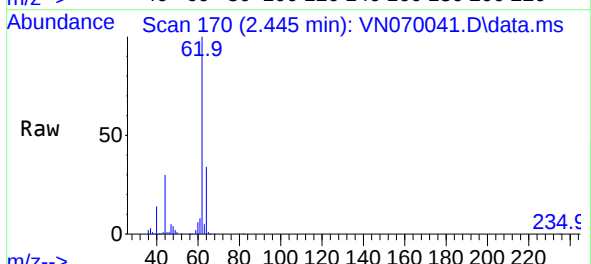
Manual Integrations
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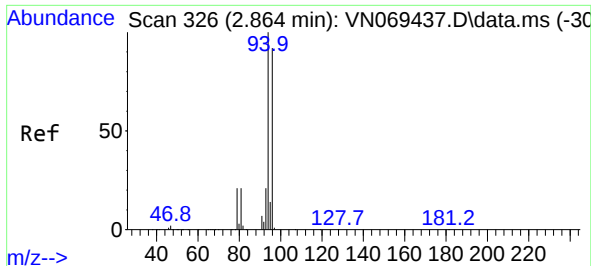
Reviewed By :John Carlone 12/14/2021
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#4
Vinyl Chloride
Concen: 19.734 ug/l
RT: 2.445 min Scan# 170
Delta R.T. -0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

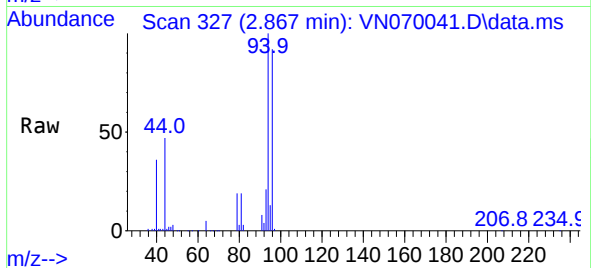
Tgt Ion: 62 Resp: 253096
Ion Ratio Lower Upper
62 100
64 31.2 25.1 37.7





#5
Bromomethane
Concen: 19.314 ug/l
RT: 2.867 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

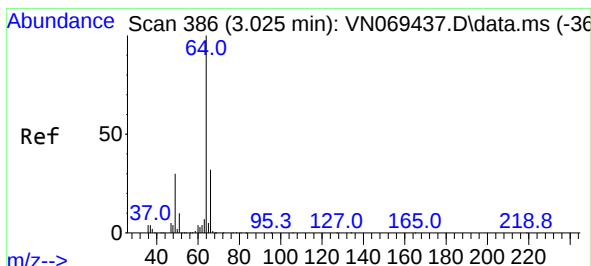
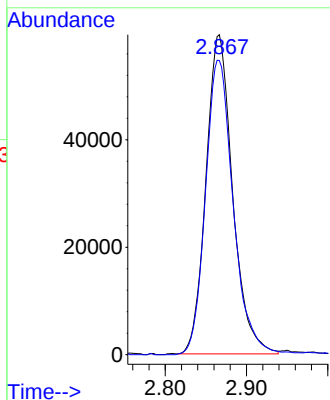
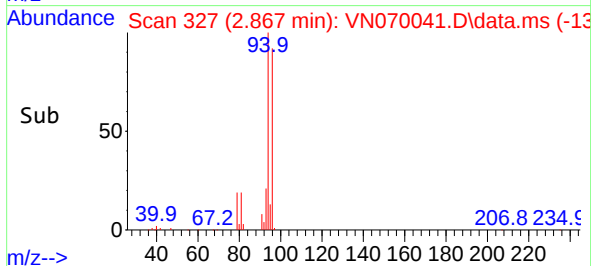
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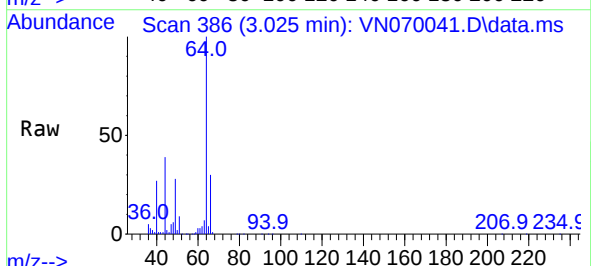
Tgt Ion: 94 Resp: 135400
Ion Ratio Lower Upper
94 100
96 91.9 75.2 112.8

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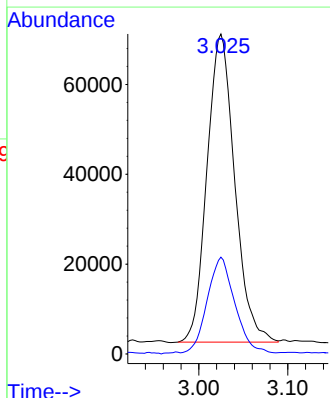
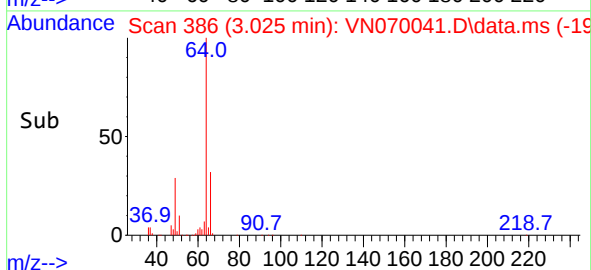
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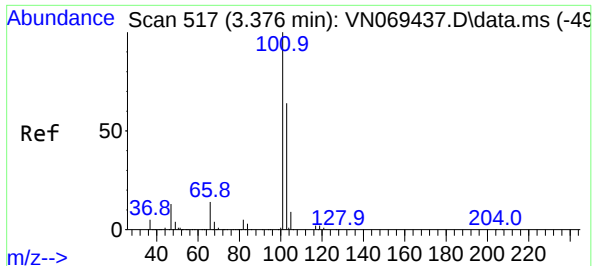


#6
Chloroethane
Concen: 20.155 ug/l
RT: 3.025 min Scan# 386
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



Tgt Ion: 64 Resp: 148420
Ion Ratio Lower Upper
64 100
66 31.0 24.6 36.8





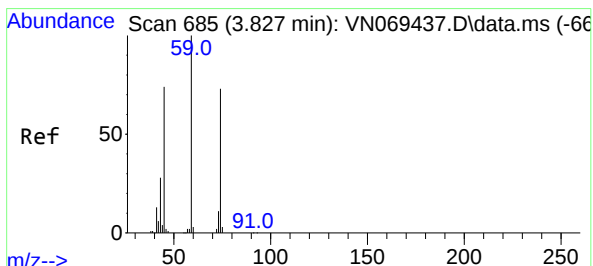
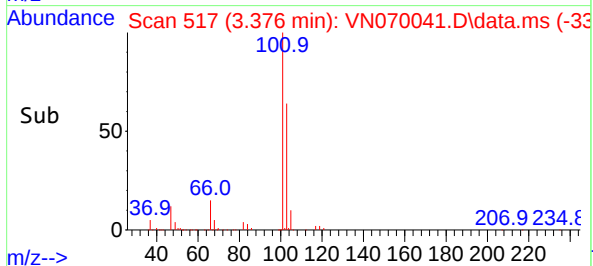
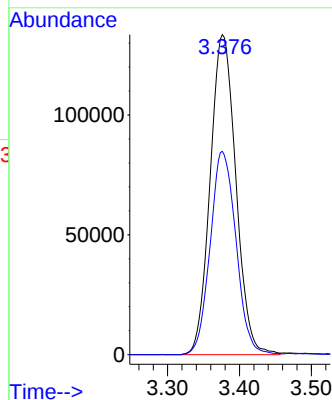
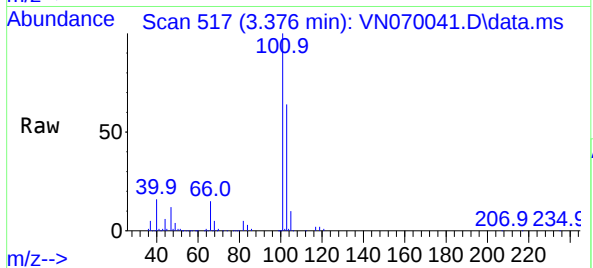
#7
Trichlorofluoromethane
Concen: 19.798 ug/l
RT: 3.376 min Scan# 517
Delta R.T. -0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :
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Tgt Ion:101 Resp: 331490
Ion Ratio Lower Upper
101 100
103 63.6 50.1 75.1

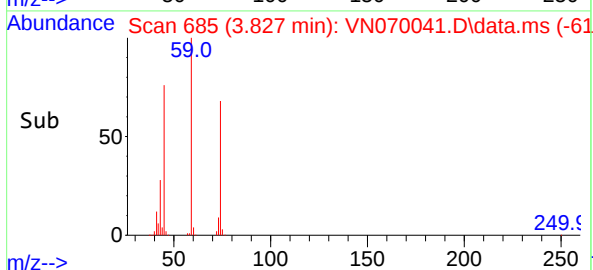
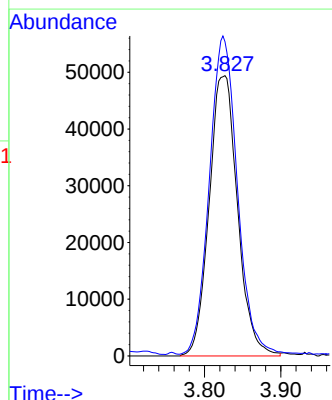
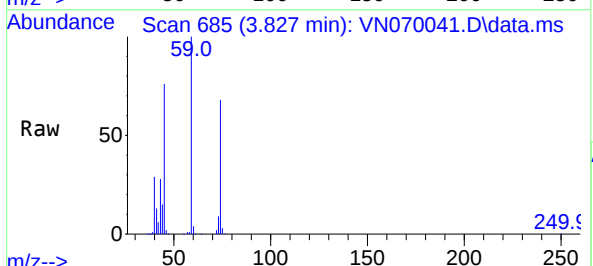
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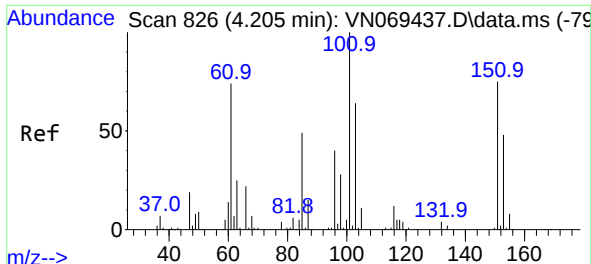
Reviewed By :John Carlone 12/14/2021
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#8
Diethyl Ether
Concen: 19.228 ug/l
RT: 3.827 min Scan# 685
Delta R.T. -0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Tgt Ion: 74 Resp: 127747
Ion Ratio Lower Upper
74 100
45 111.6 17.6 158.8





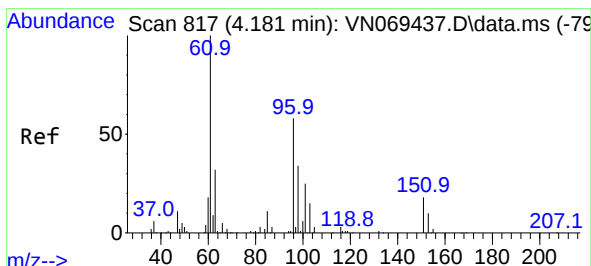
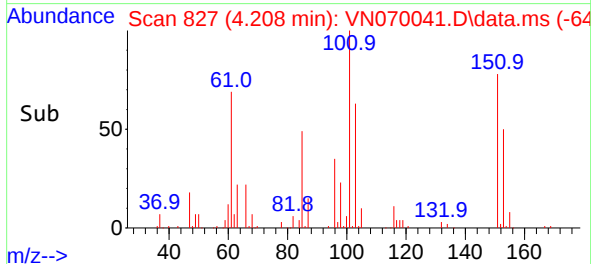
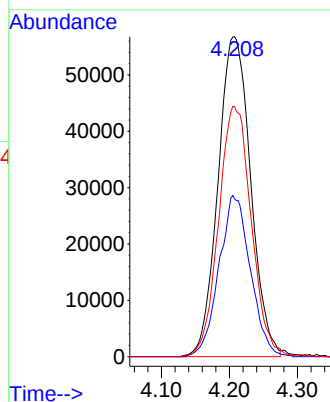
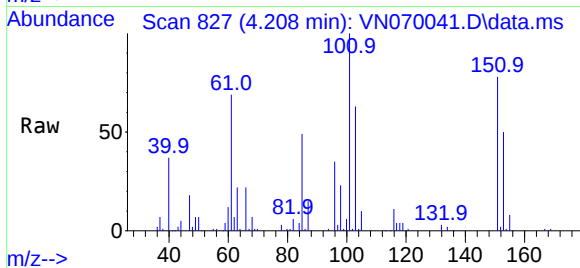
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.258 ug/l
RT: 4.208 min Scan# 816
Delta R.T. -0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 189390
Ion Ratio Lower Upper
101 100
85 48.5 0.0 94.0
151 78.2 0.0 74.6

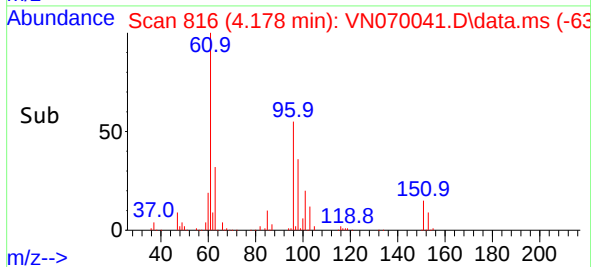
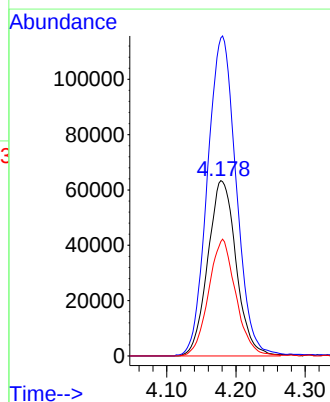
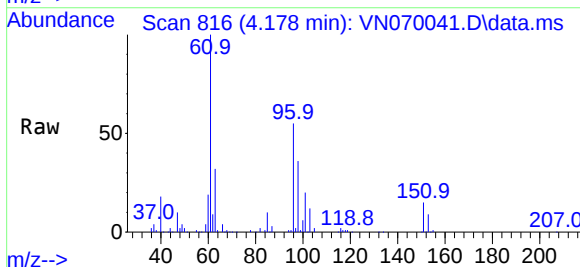
Manual Integrations
APPROVED

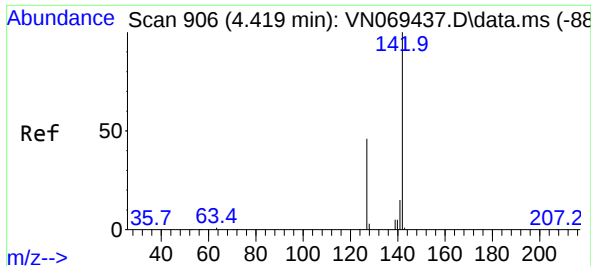
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#10
1,1-Dichloroethene
Concen: 19.282 ug/l
RT: 4.178 min Scan# 816
Delta R.T. -0.005 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

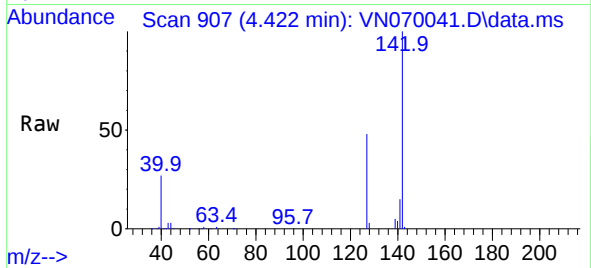
Tgt Ion: 96 Resp: 180371
Ion Ratio Lower Upper
96 100
61 180.6 126.2 189.4
98 65.0 50.9 76.3





#11
Methyl Iodide
Concen: 19.261 ug/l
RT: 4.422 min Scan# 906
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

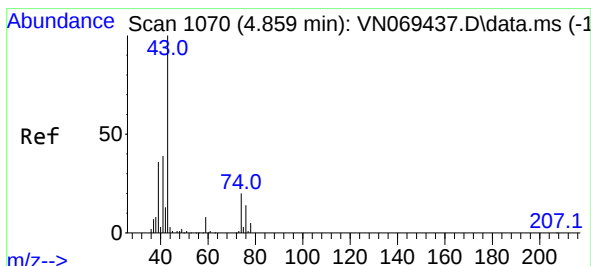
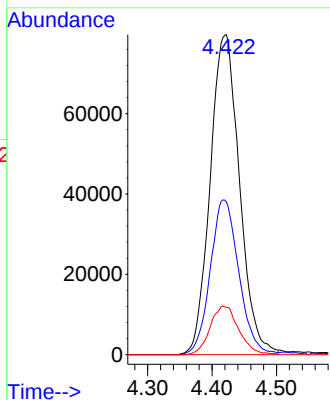
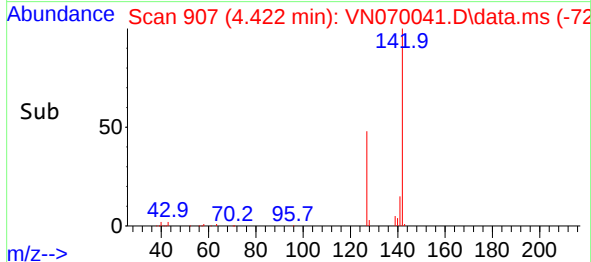
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 252124
Ion Ratio Lower Upper
142 100
127 47.8 24.0 72.0
141 14.9 8.4 25.2

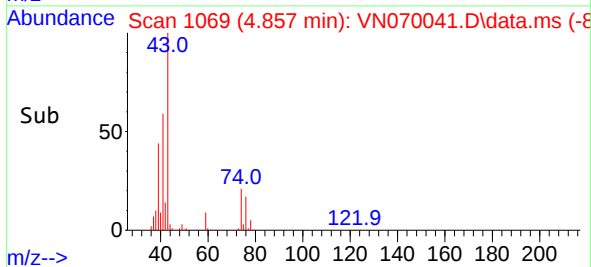
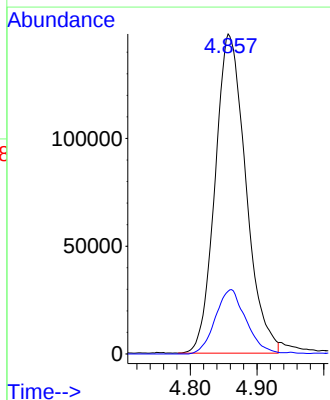
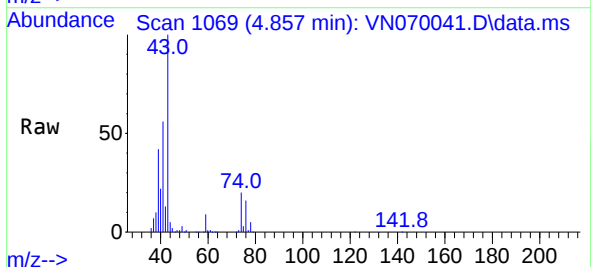
Manual Integrations
APPROVED

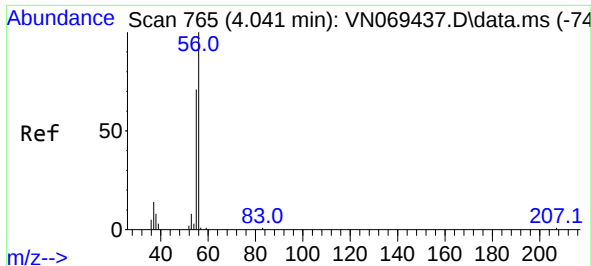
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#12
Methyl Acetate
Concen: 20.528 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

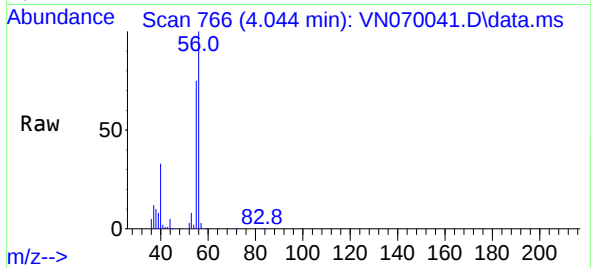
Tgt Ion: 43 Resp: 473022
Ion Ratio Lower Upper
43 100
74 19.7 20.8 31.2#





#13
Acrolein
Concen: 97.264 ug/l
RT: 4.044 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

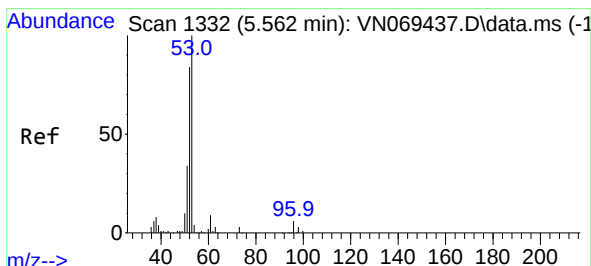
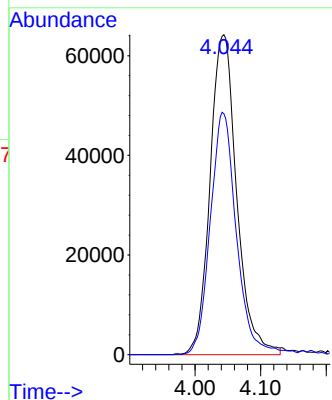
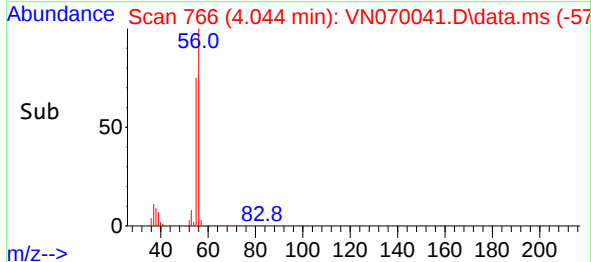
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



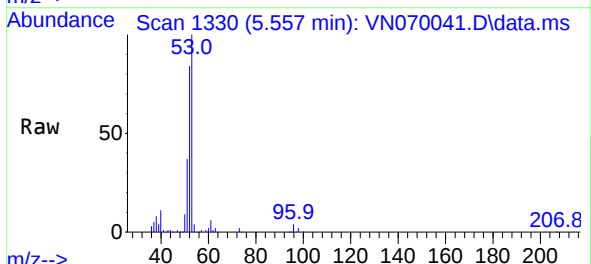
Tgt Ion: 56 Resp: 181415
Ion Ratio Lower Upper
56 100
55 73.3 57.6 86.4

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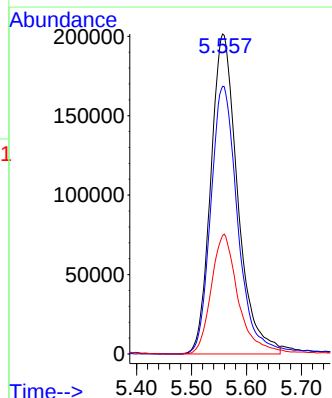
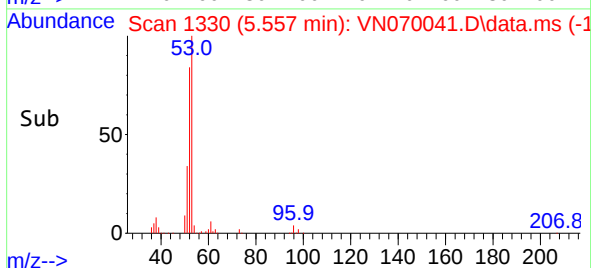
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

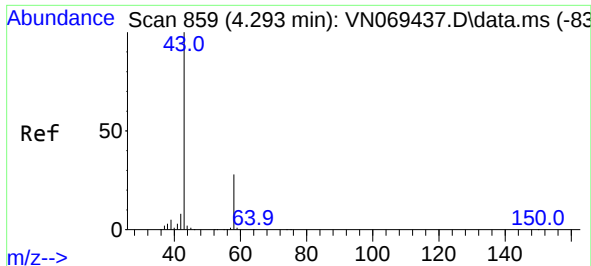


#14
Acrylonitrile
Concen: 102.789 ug/l
RT: 5.557 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



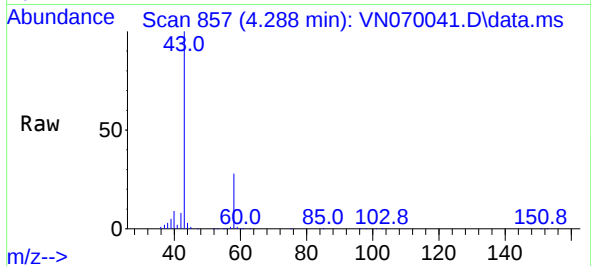
Tgt Ion: 53 Resp: 683872
Ion Ratio Lower Upper
53 100
52 83.9 41.8 125.4
51 37.4 19.0 57.0





#15
Acetone
Concen: 81.577 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

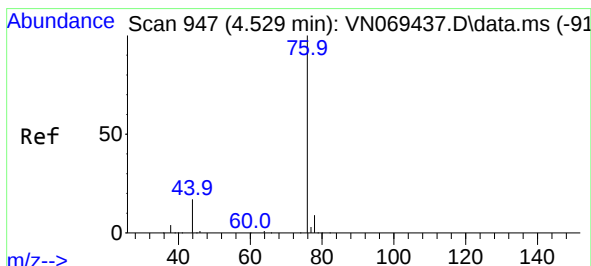
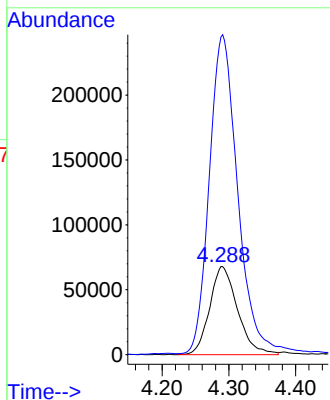
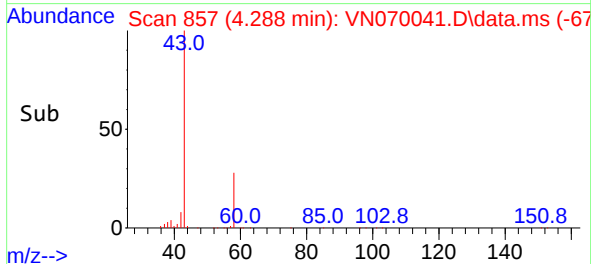
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



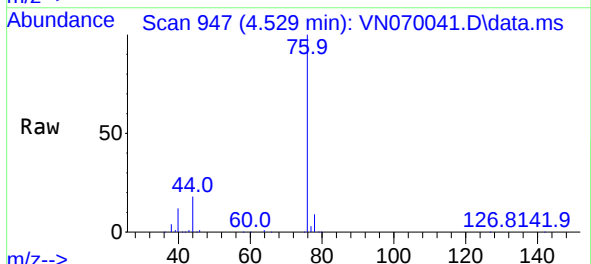
Tgt Ion: 58 Resp: 196943
Ion Ratio Lower Upper
58 100
43 359.3 256.6 384.8

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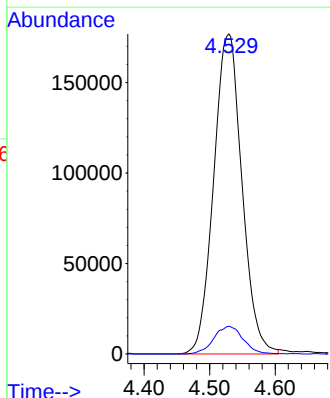
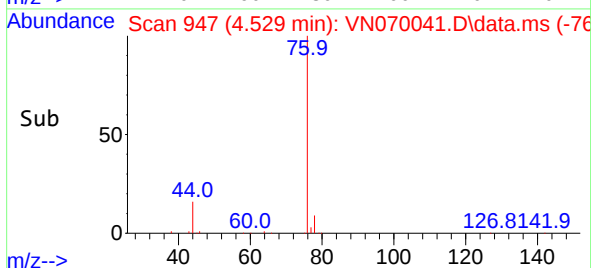
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

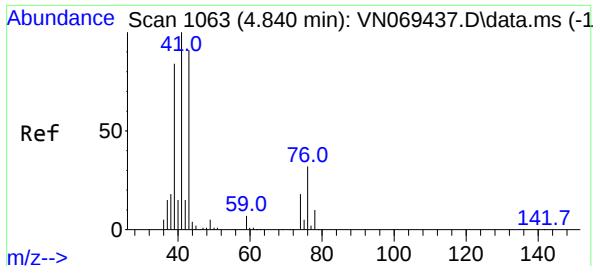


#16
Carbon Disulfide
Concen: 18.778 ug/l
RT: 4.529 min Scan# 947
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



Tgt Ion: 76 Resp: 529287
Ion Ratio Lower Upper
76 100
78 8.6 7.8 11.8





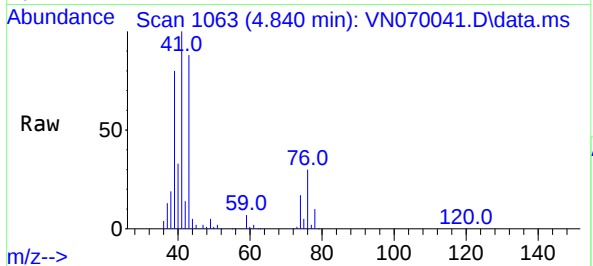
Allyl chloride
 Concen: 19.097 ug/l
 RT: 4.840 min Scan# 1063
 Delta R.T. -0.000 min
 Lab File: VN070041.D
 Acq: 13 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

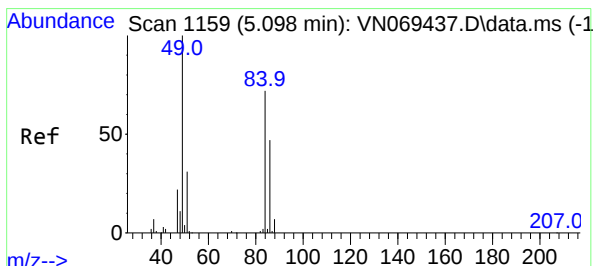
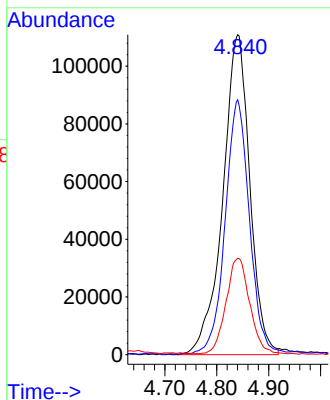
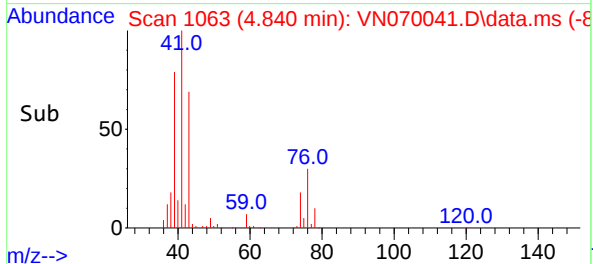


Tgt Ion: 41 Resp: 401758
 Ion Ratio Lower Upper
 41 100
 39 79.6 44.6 134.0
 76 29.6 19.6 58.7

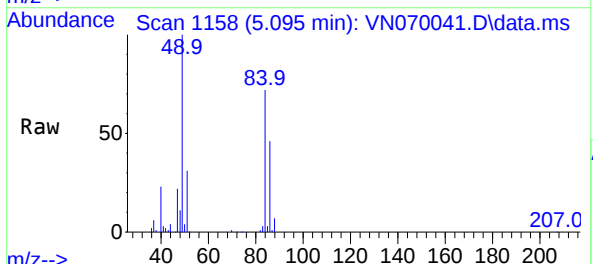
Manual Integrations

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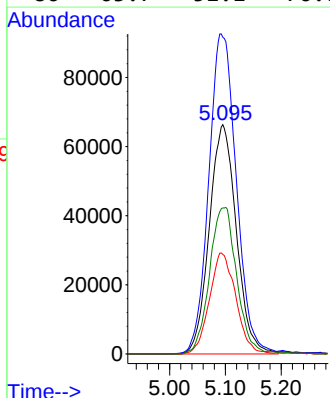
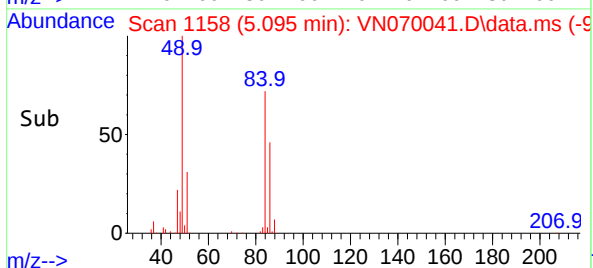
Reviewed By :John Carlone 12/14/2021
 Supervised By :Amit Patel 12/15/2021

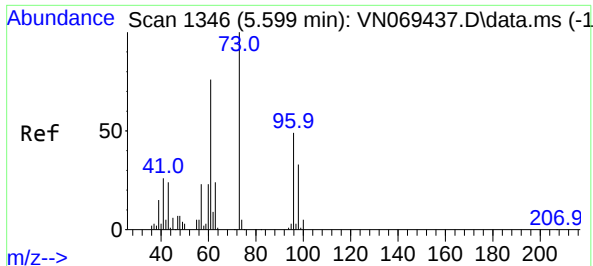


Methylene Chloride
 Concen: 19.861 ug/l
 RT: 5.095 min Scan# 1158
 Delta R.T. -0.003 min
 Lab File: VN070041.D
 Acq: 13 Dec 2021 19:02



Tgt Ion: 84 Resp: 223961
 Ion Ratio Lower Upper
 84 100
 49 137.9 91.4 137.0#
 51 43.4 29.4 44.0
 86 63.7 51.1 76.7





#19

trans-1,2-Dichloroethene

Concen: 18.948 ug/l

RT: 5.597 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN070041.D

Acq: 13 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 96 Resp: 18826

Ion Ratio Lower Upper

96 100

61 165.1 102.8 154.2

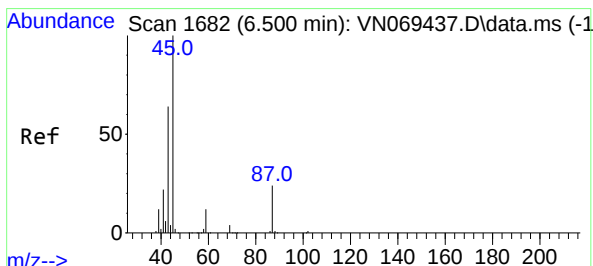
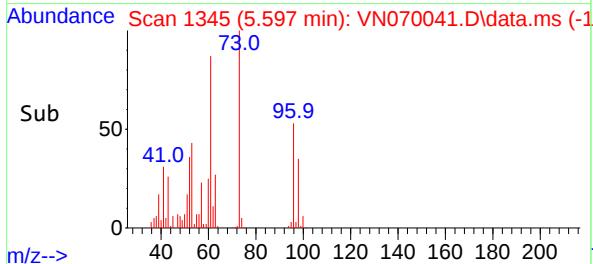
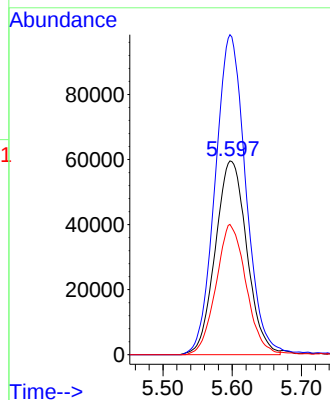
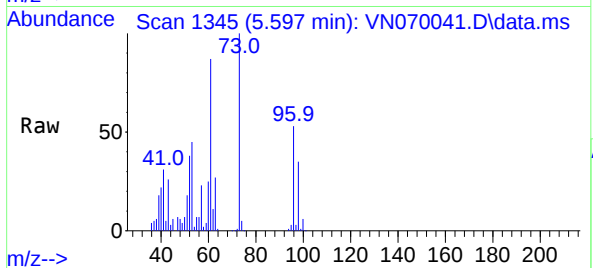
98 67.2 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#20

Diisopropyl ether

Concen: 19.842 ug/l

RT: 6.501 min Scan# 1682

Delta R.T. 0.003 min

Lab File: VN070041.D

Acq: 13 Dec 2021 19:02

Tgt Ion: 45 Resp: 799482

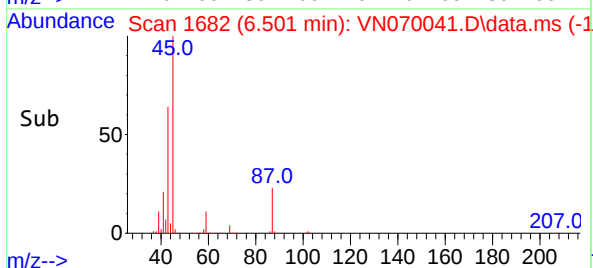
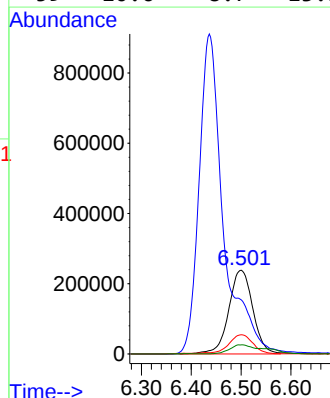
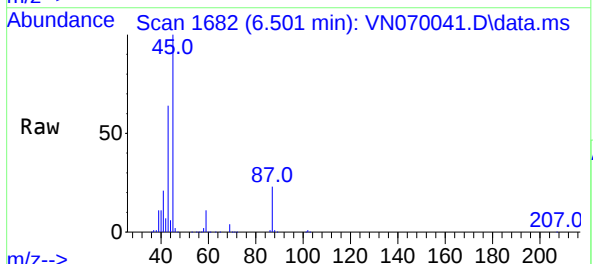
Ion Ratio Lower Upper

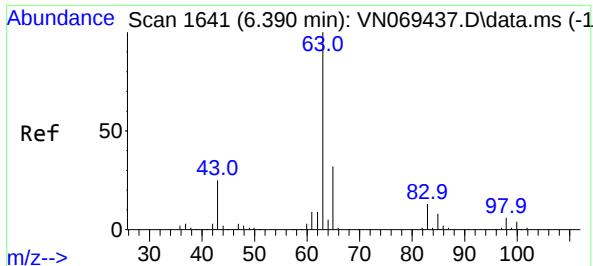
45 100

43 62.3 51.0 76.4

87 22.7 25.0 37.4

59 10.6 8.7 13.1





#21

1,1-Dichloroethane

Concen: 19.325 ug/l

RT: 6.385 min Scan# 1

Delta R.T. -0.003 min

Lab File: VN070041.D

Acq: 13 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 41046

Ion Ratio Lower Upper

63 100

98 5.6 3.2 9.6

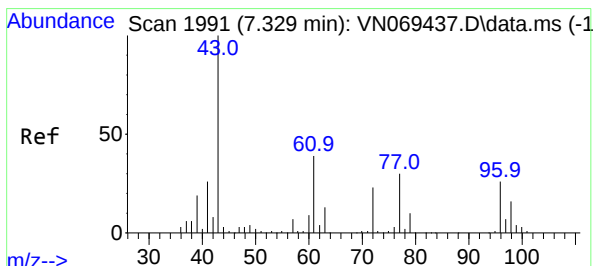
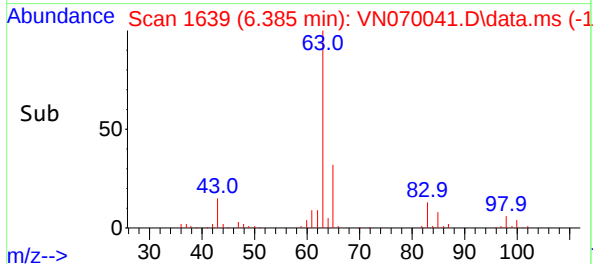
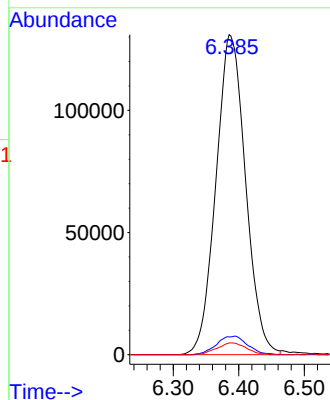
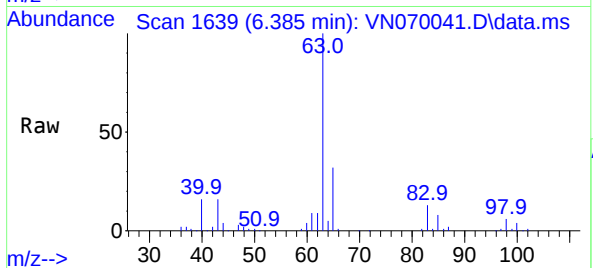
100 3.6 2.1 6.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#22

cis-1,2-Dichloroethene

Concen: 19.205 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN070041.D

Acq: 13 Dec 2021 19:02

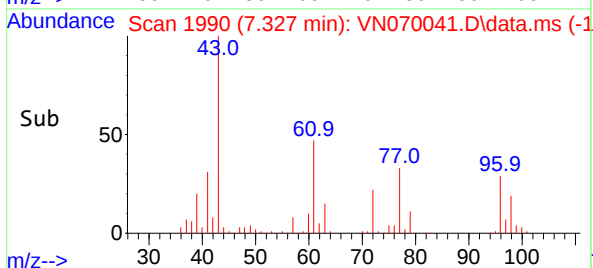
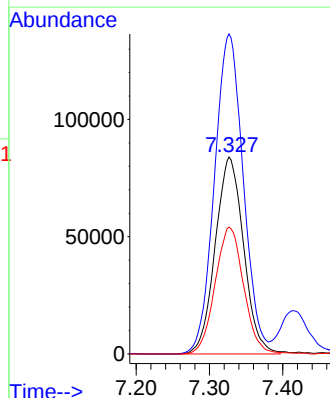
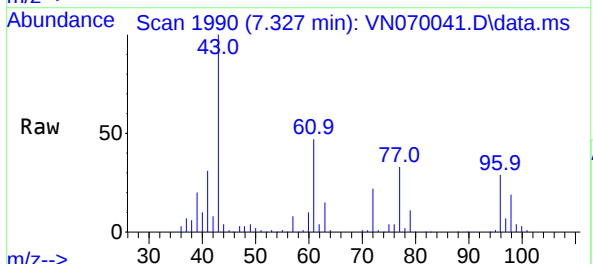
Tgt Ion: 96 Resp: 225858

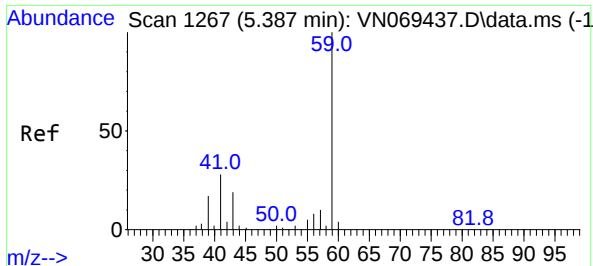
Ion Ratio Lower Upper

96 100

61 165.0 115.7 173.5

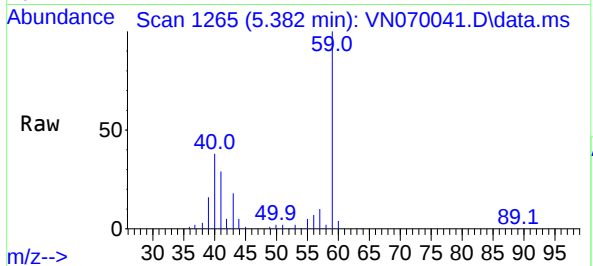
98 64.9 51.6 77.4





#23
tert-Butyl Alcohol
Concen: 101.380 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. 0.008 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

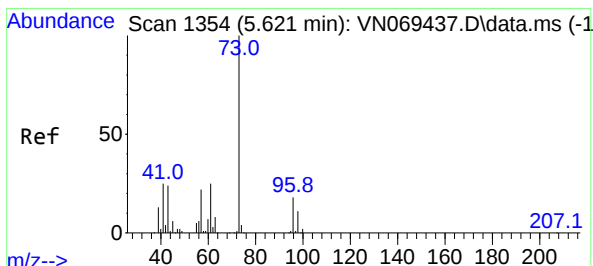
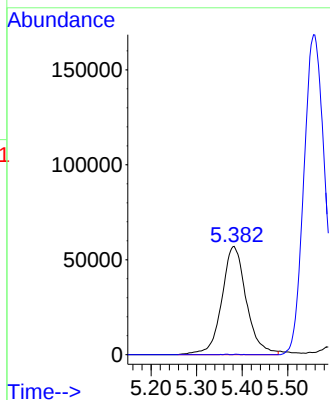
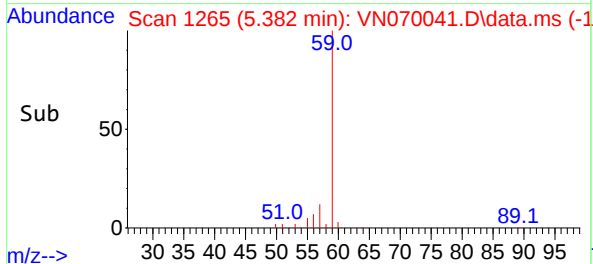
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



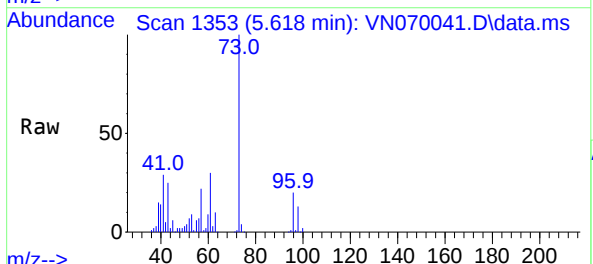
Tgt Ion: 59 Resp: 21321
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

Manual Integrations
APPROVED

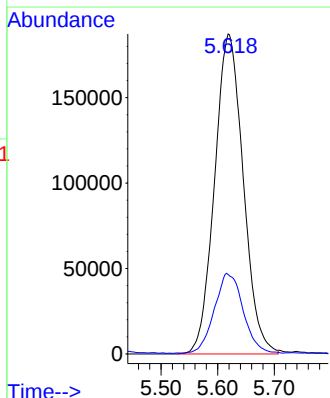
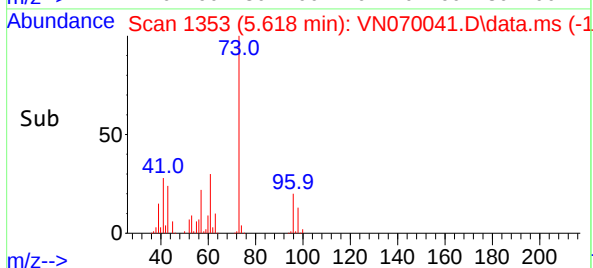
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

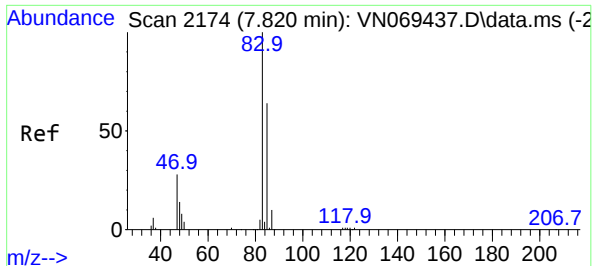


#24
Methyl tert-Butyl Ether
Concen: 19.852 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



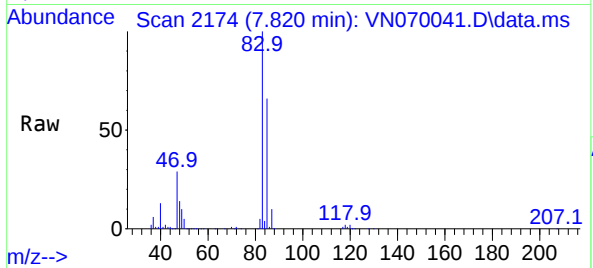
Tgt Ion: 73 Resp: 659440
Ion Ratio Lower Upper
73 100
43 25.0 18.1 27.1





#25
Chloroform
Concen: 19.765 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

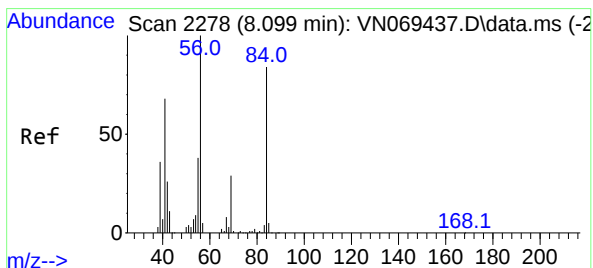
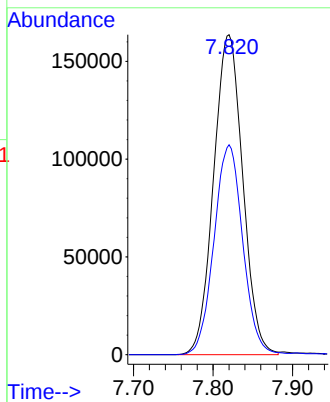
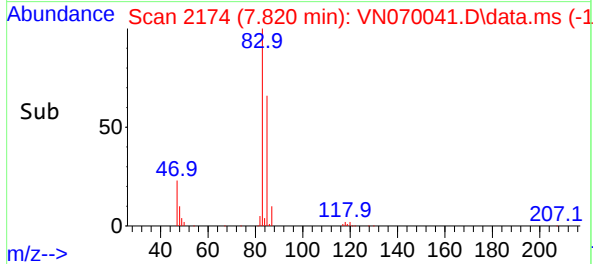
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



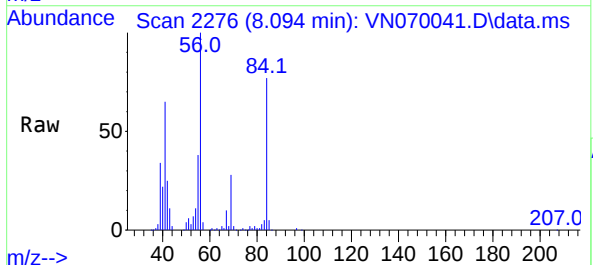
Tgt Ion: 83 Resp: 417110
Ion Ratio Lower Upper
83 100
85 65.5 51.3 76.9

Manual Integrations
APPROVED

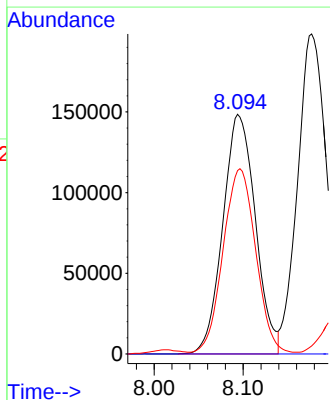
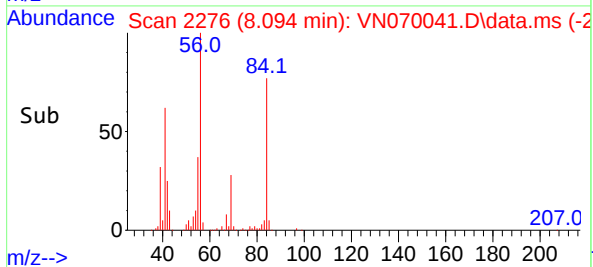
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

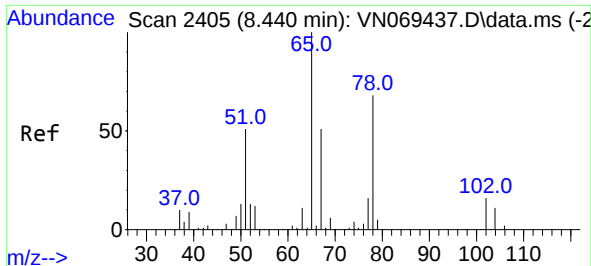


#26
Cyclohexane
Concen: 19.230 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



Tgt Ion: 56 Resp: 378092
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 77.7 74.6 111.8





#27
1,2-Dichloroethane-d4
Concen: 30.559 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

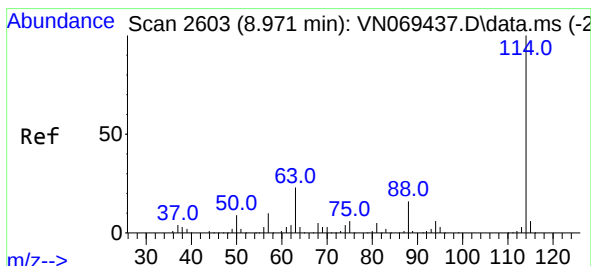
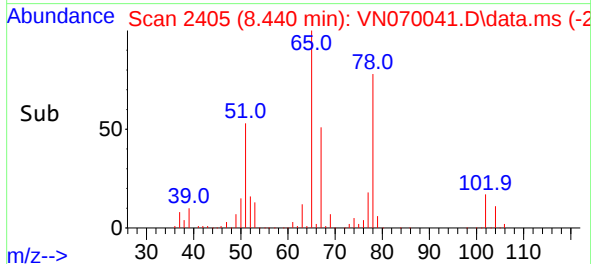
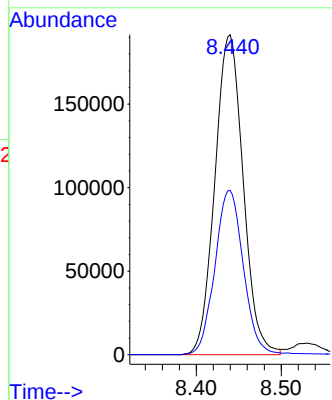
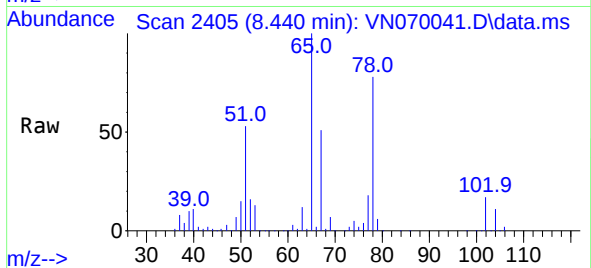
VSTDCCC020EC

Tgt Ion: 65 Resp: 444065
Ion Ratio Lower Upper
65 100
67 51.4 40.2 60.2

Manual Integrations

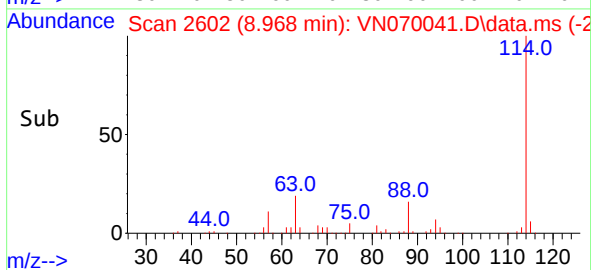
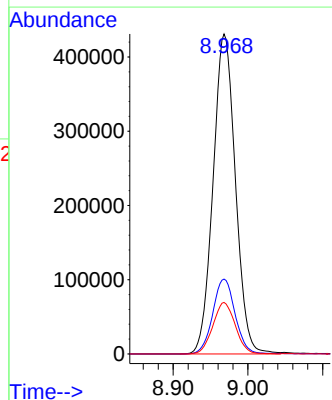
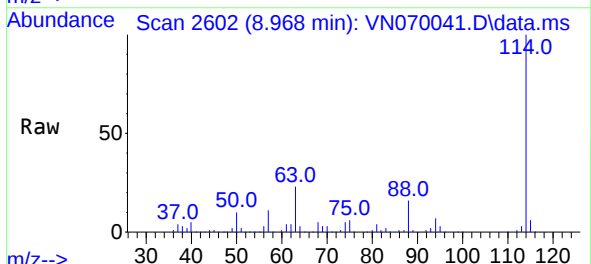
APPROVED

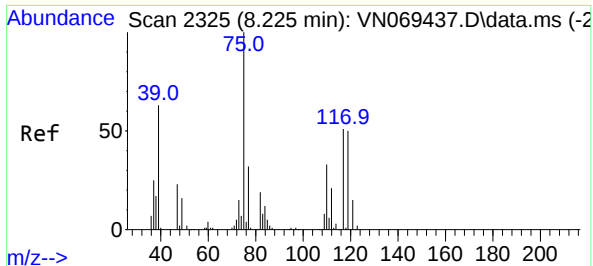
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Tgt Ion:114 Resp: 894288
Ion Ratio Lower Upper
114 100
63 23.4 15.8 23.6
88 16.2 11.6 17.4





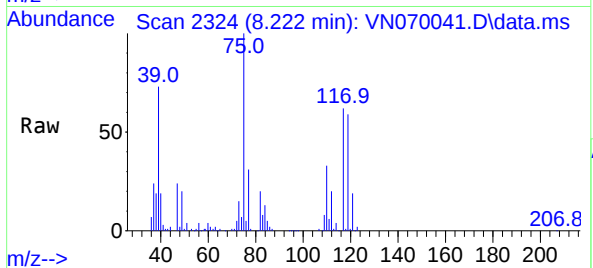
#29
1,1-Dichloropropene
Concen: 19.362 ug/l
RT: 8.222 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

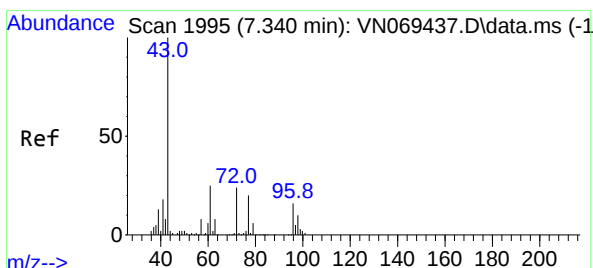
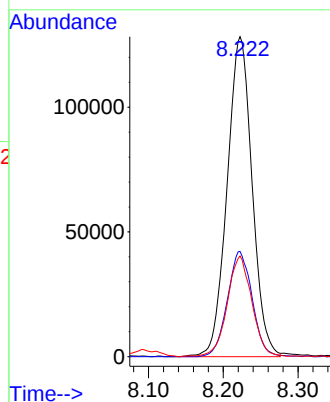


Tgt Ion: 75 Resp: 298138
Ion Ratio Lower Upper
75 100
110 32.5 0.0 74.2
77 30.7 0.0 63.2

Manual Integrations

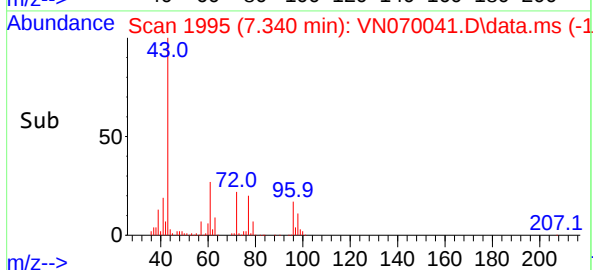
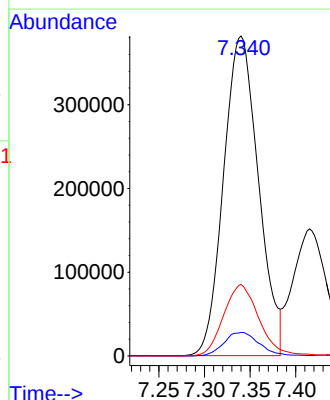
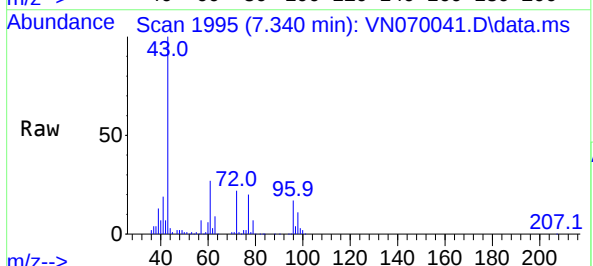
APPROVED

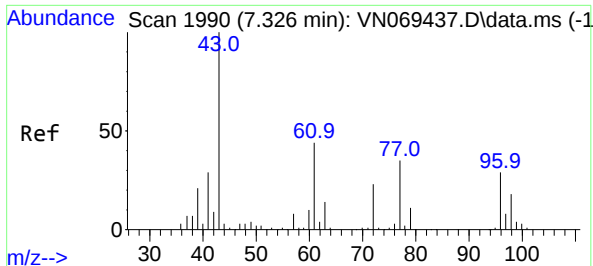
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#30
2-Butanone
Concen: 95.860 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.005 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Tgt Ion: 43 Resp: 1015548
Ion Ratio Lower Upper
43 100
57 7.5 6.7 10.1
72 22.8 23.2 34.8#





#31

2,2-Dichloropropane

Concen: 18.172 ug/l

RT: 7.324 min Scan# 1990

Delta R.T. -0.003 min

Lab File: VN070041.D

Acq: 13 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 77 Resp: 292609

Ion Ratio Lower Upper

77 100

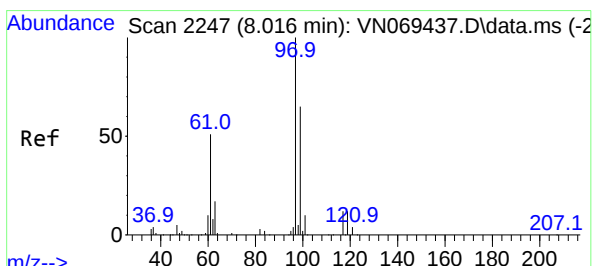
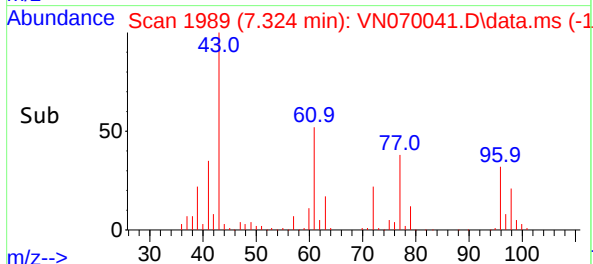
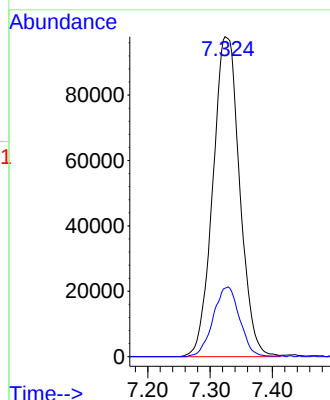
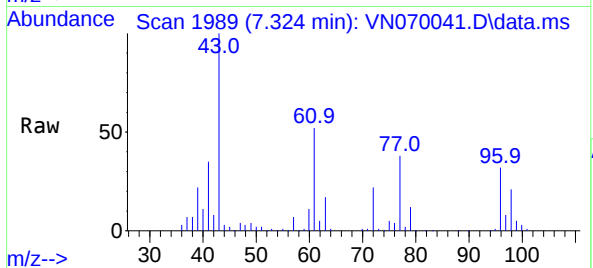
97 21.5 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/14/2021

Supervised By :Amit Patel 12/15/2021



#32

1,1,1-Trichloroethane

Concen: 19.704 ug/l m

RT: 8.016 min Scan# 2247

Delta R.T. 0.003 min

Lab File: VN070041.D

Acq: 13 Dec 2021 19:02

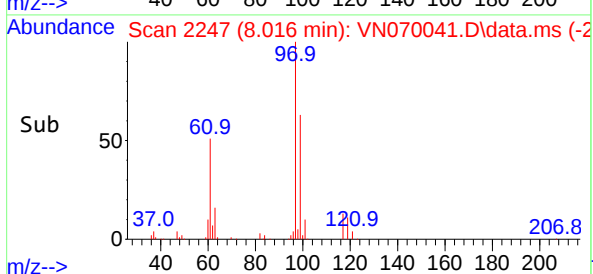
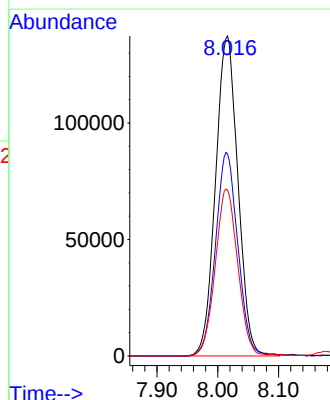
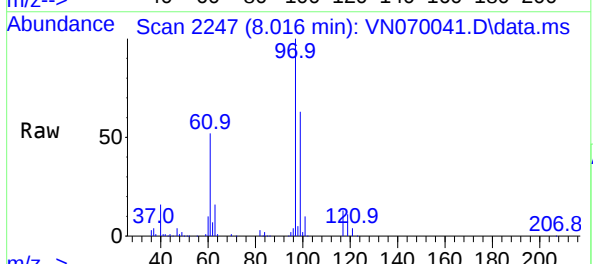
Tgt Ion: 97 Resp: 351397

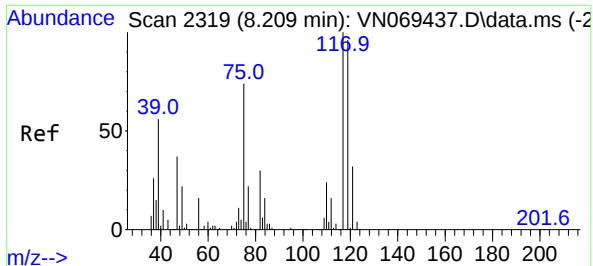
Ion Ratio Lower Upper

97 100

99 0.0 50.4 75.6#

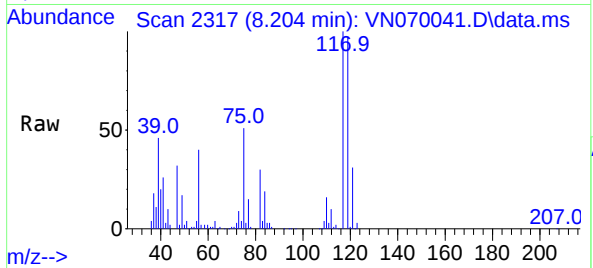
61 0.0 34.6 51.8#





#33
Carbon Tetrachloride
Concen: 19.746 ug/l
RT: 8.204 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

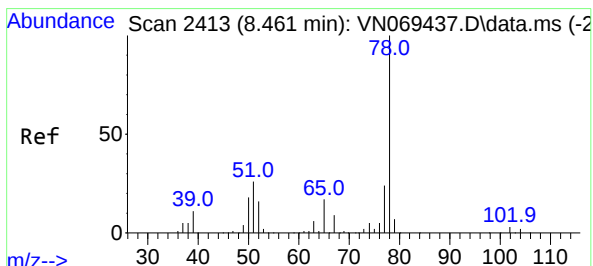
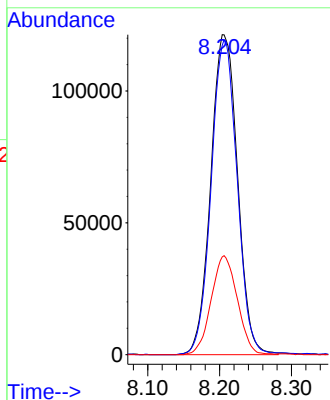
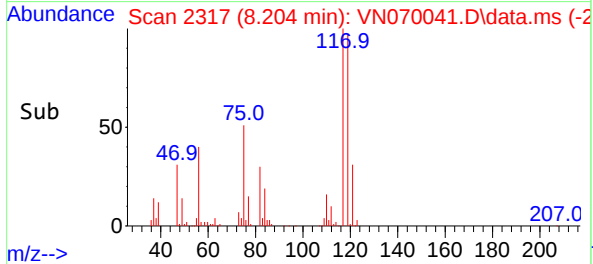
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



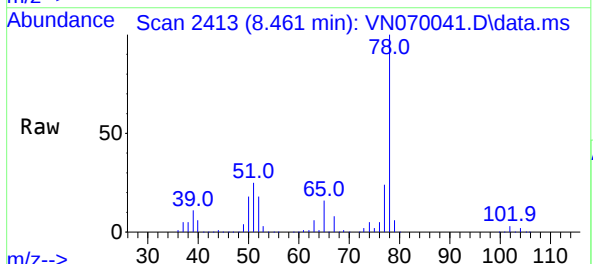
Tgt Ion:117 Resp: 313014
Ion Ratio Lower Upper
117 100
119 96.5 77.5 116.3
121 30.6 23.5 35.3

Manual Integrations
APPROVED

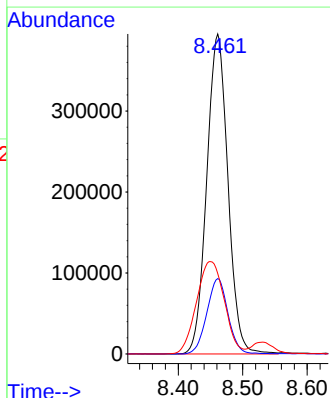
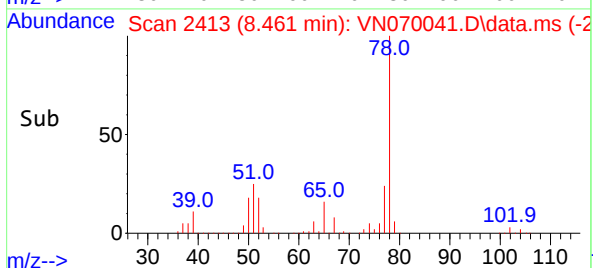
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

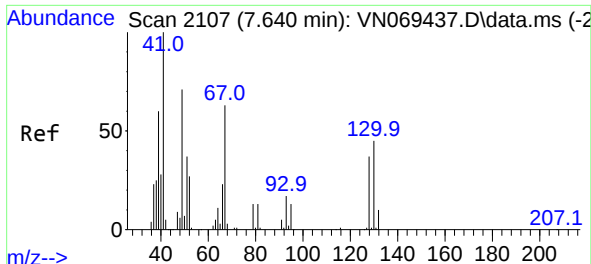


#34
Benzene
Concen: 19.844 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



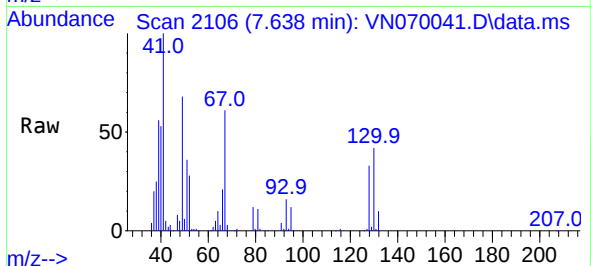
Tgt Ion: 78 Resp: 903376
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7
51 24.5 16.0 24.0#





#35
Methacrylonitrile
Concen: 21.635 ug/l
RT: 7.638 min Scan# 2106
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

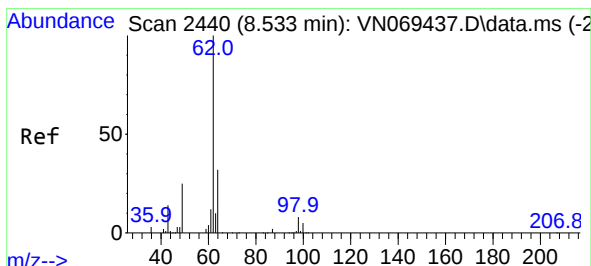
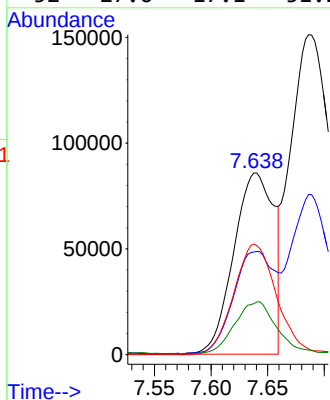
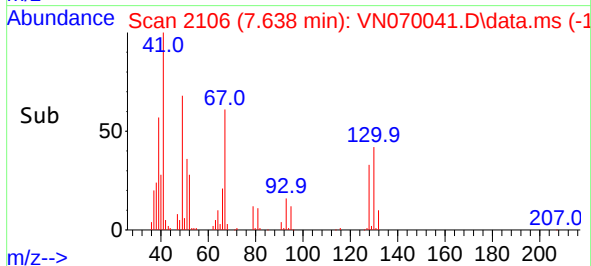
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 212019
Ion Ratio Lower Upper
41 100
39 55.7 28.0 83.9
67 61.0 37.7 113.1
52 27.6 17.1 51.2

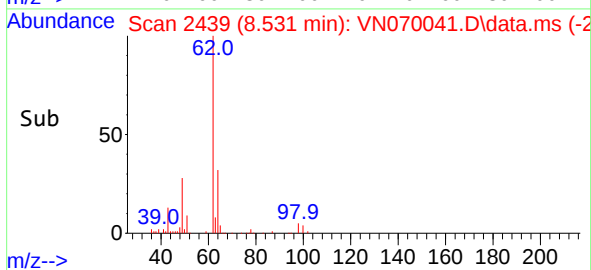
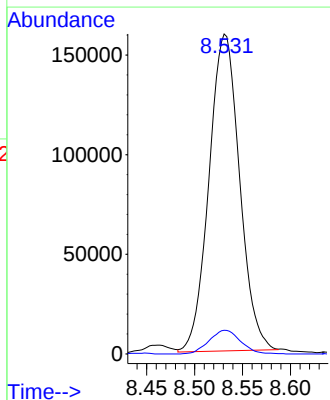
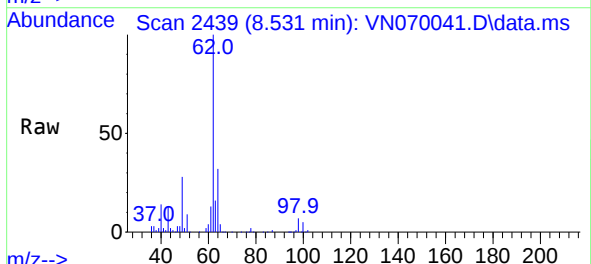
Manual Integrations
APPROVED

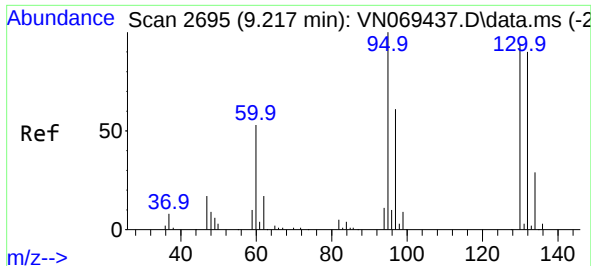
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#36
1,2-Dichloroethane
Concen: 19.649 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

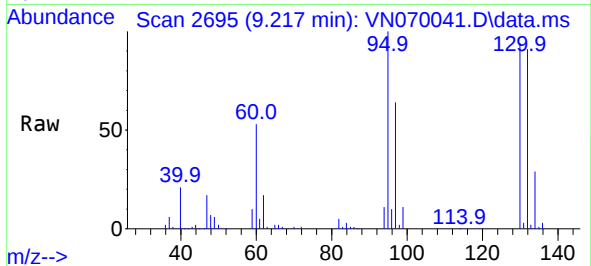
Tgt Ion: 62 Resp: 353093
Ion Ratio Lower Upper
62 100
98 7.7 6.6 10.0





#37
Trichloroethene
Concen: 18.948 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

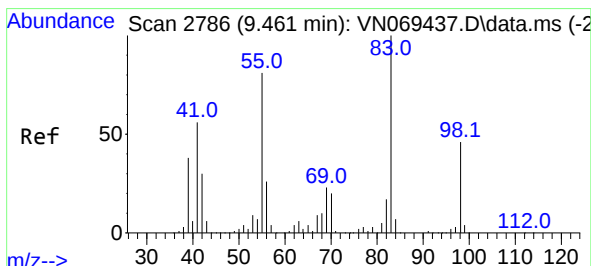
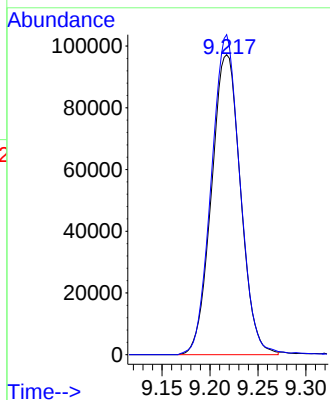
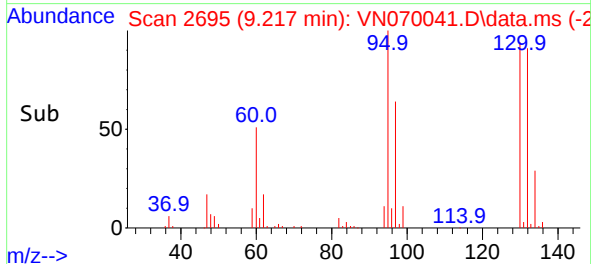
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



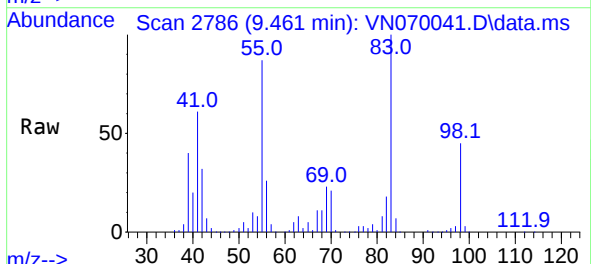
Tgt Ion:130 Resp: 205160
Ion Ratio Lower Upper
130 100
95 106.7 76.6 115.0

Manual Integrations
APPROVED

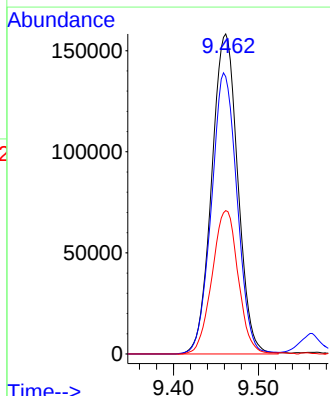
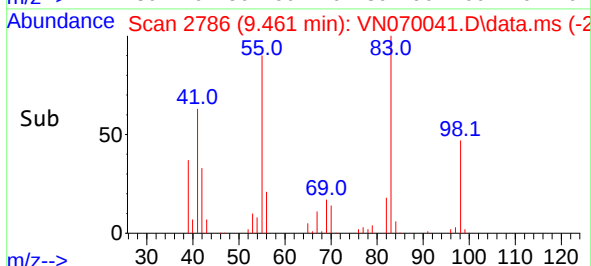
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

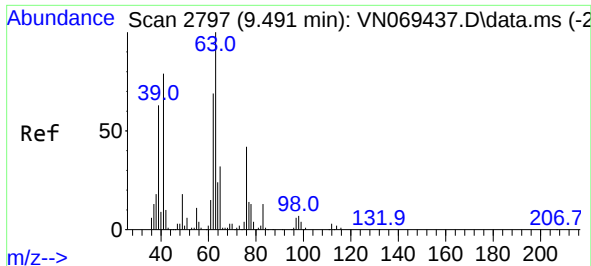


#38
Methylcyclohexane
Concen: 18.455 ug/l
RT: 9.461 min Scan# 2786
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



Tgt Ion: 83 Resp: 337787
Ion Ratio Lower Upper
83 100
55 86.6 35.1 105.3
98 44.8 23.4 70.2





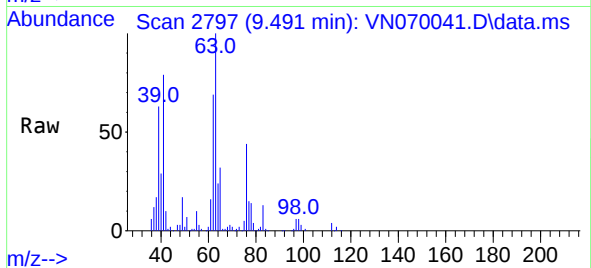
#39
1,2-Dichloropropane
Concen: 20.072 ug/l
RT: 9.491 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

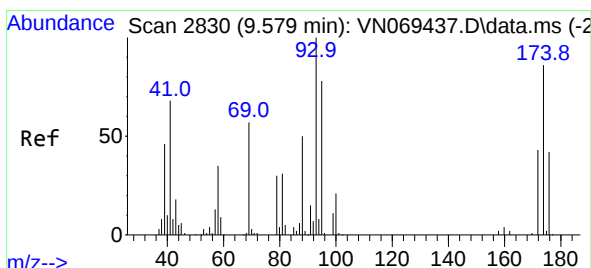
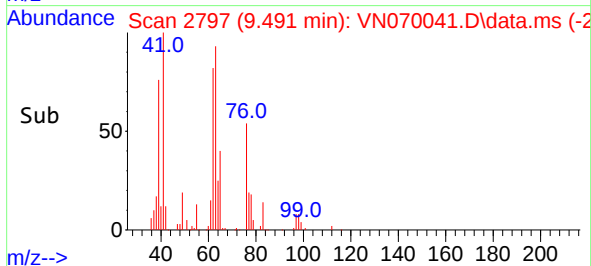
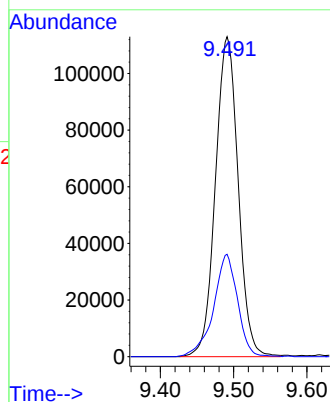


Tgt Ion: 63 Resp: 243609
Ion Ratio Lower Upper
63 100
65 31.9 24.2 36.4

Manual Integrations

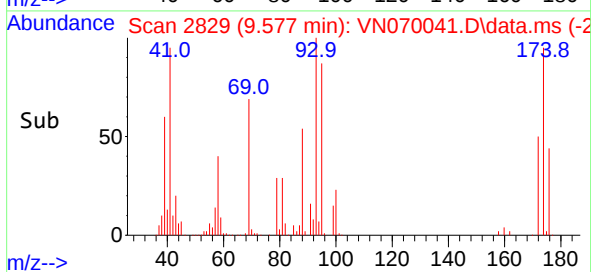
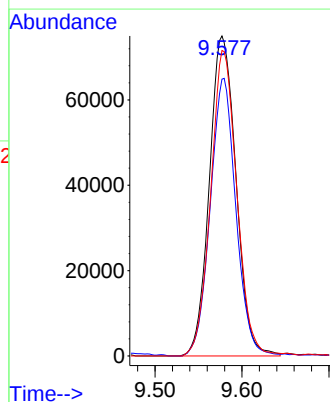
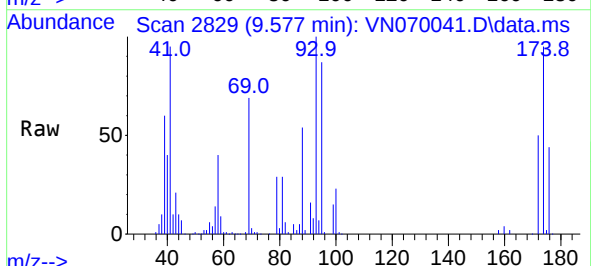
APPROVED

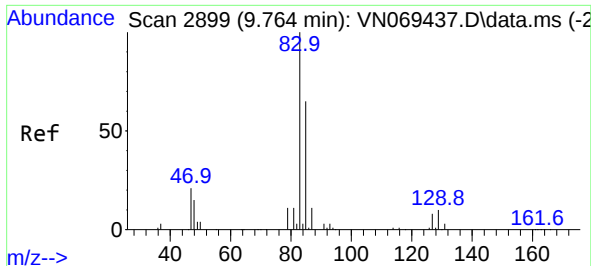
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#40
Dibromomethane
Concen: 19.958 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Tgt Ion: 93 Resp: 159782
Ion Ratio Lower Upper
93 100
95 83.5 0.0 168.8
174 93.5 0.0 173.6





#41
Bromodichloromethane
Concen: 19.672 ug/l
RT: 9.762 min Scan# 2899
Delta R.T. -0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

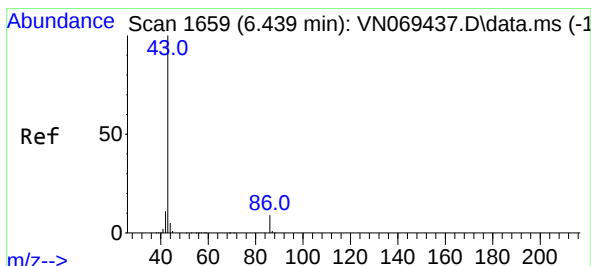
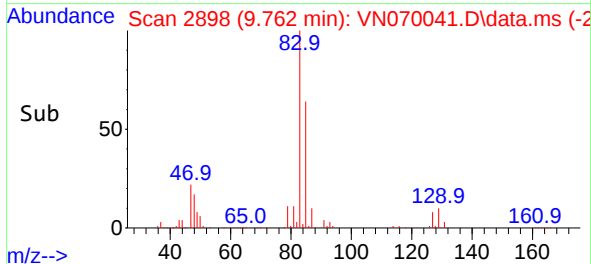
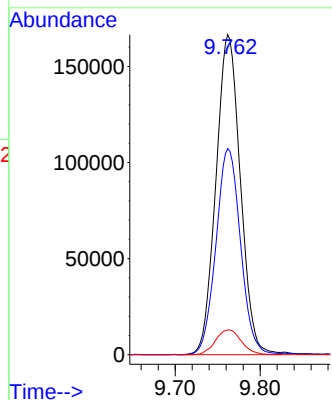
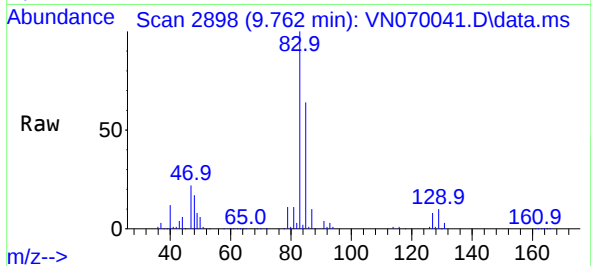
VSTDCCC020EC

Tgt Ion: 83 Resp: 33301
Ion Ratio Lower Upper
83 100
85 64.4 54.1 81.1
127 7.7 7.6 11.4

Manual Integrations

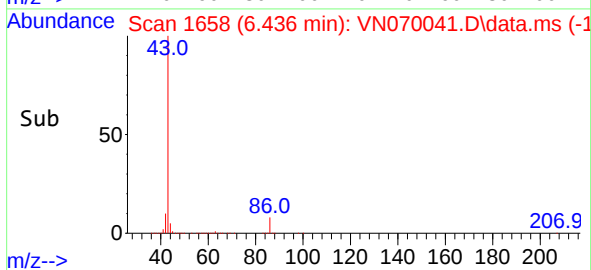
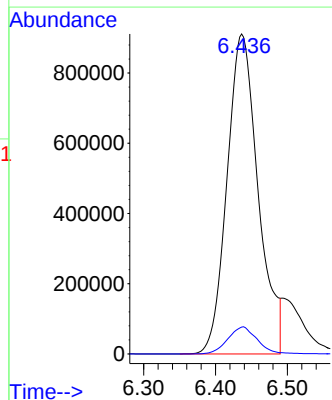
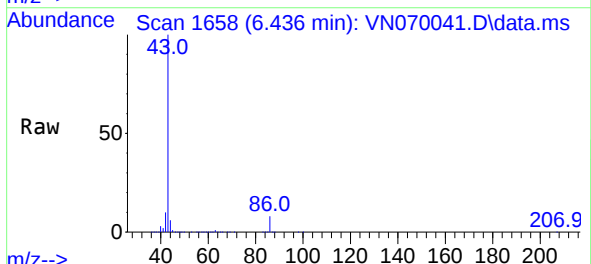
APPROVED

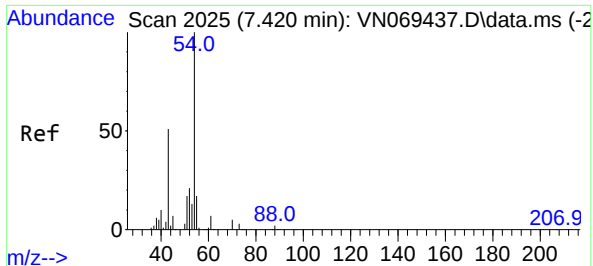
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#42
Vinyl Acetate
Concen: 88.059 ug/l
RT: 6.436 min Scan# 1658
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

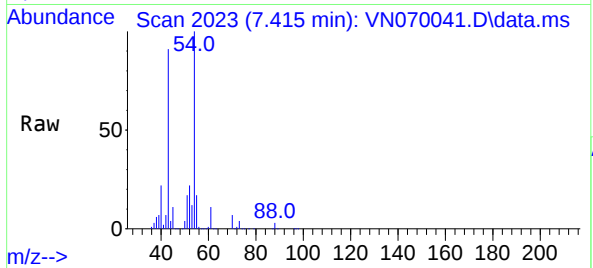
Tgt Ion: 43 Resp: 2740460
Ion Ratio Lower Upper
43 100
86 8.0 7.5 11.3





#43
Ethyl Acetate
Concen: 20.579 ug/l
RT: 7.415 min Scan# 2025
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

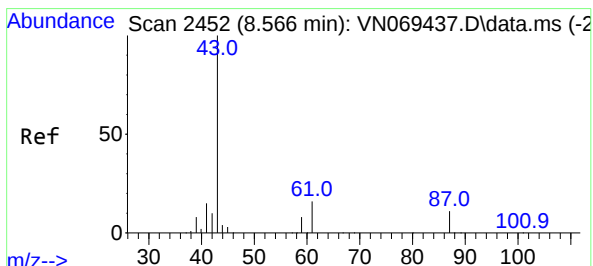
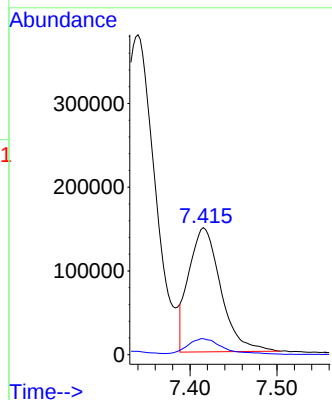
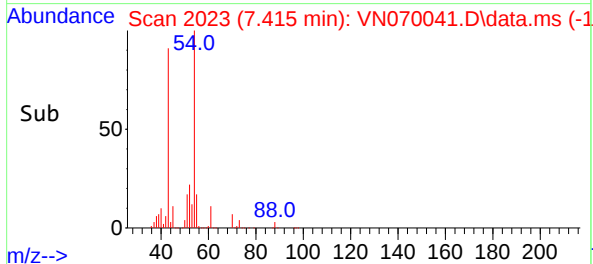
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



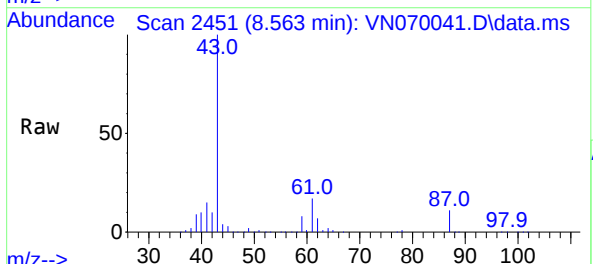
Tgt Ion: 43 Resp: 378678
Ion Ratio Lower Upper
43 100
45 13.8 10.6 16.0

Manual Integrations
APPROVED

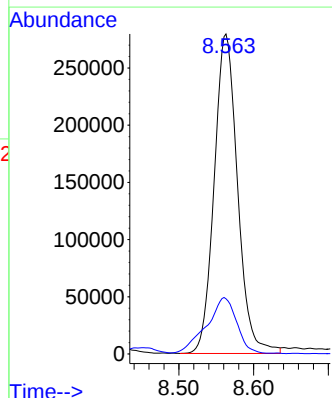
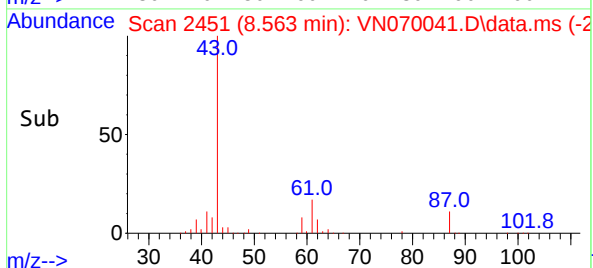
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

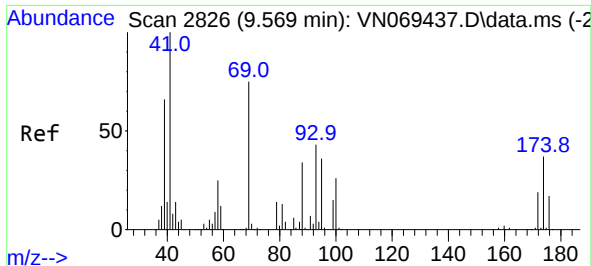


#44
Isopropyl Acetate
Concen: 20.480 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



Tgt Ion: 43 Resp: 606631
Ion Ratio Lower Upper
43 100
61 22.3 20.1 30.1





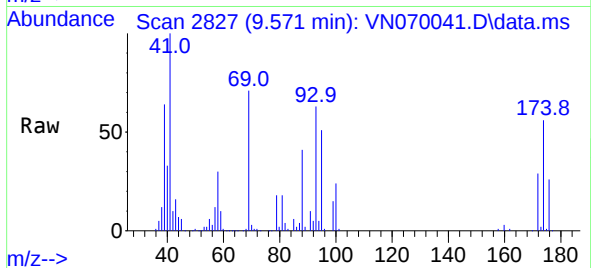
#45
1,4-Dioxane
Concen: 448.846 ug/l
RT: 9.571 min Scan# 2827
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

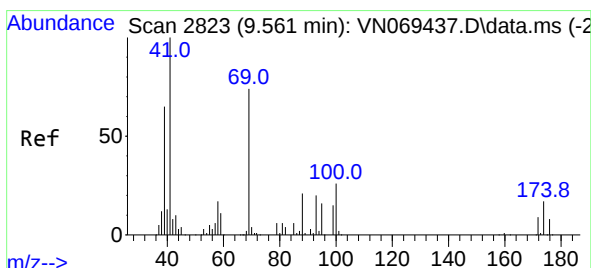
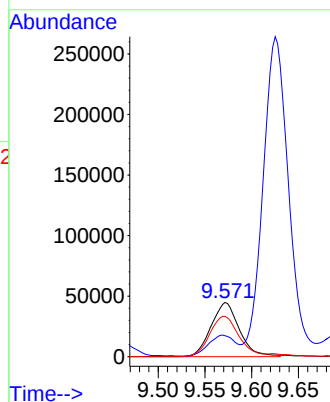
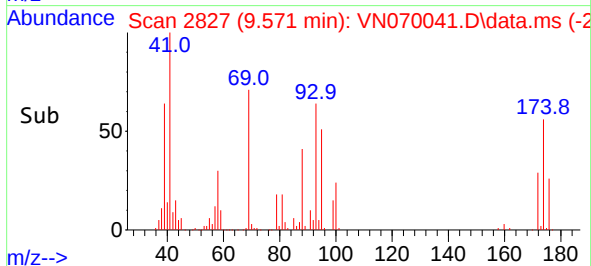


Tgt Ion: 88 Resp: 94080
Ion Ratio Lower Upper
88 100
43 36.3 25.0 37.6
58 76.3 49.4 74.2

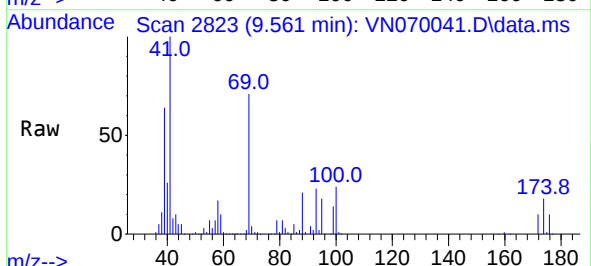
Manual Integrations

APPROVED

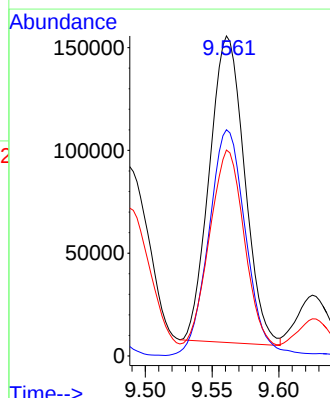
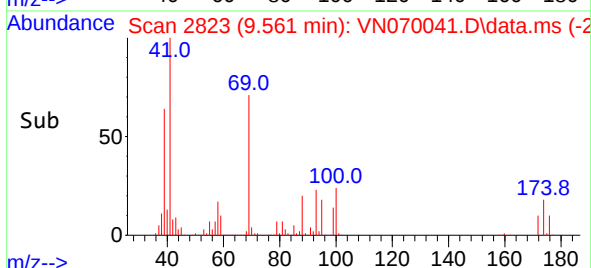
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

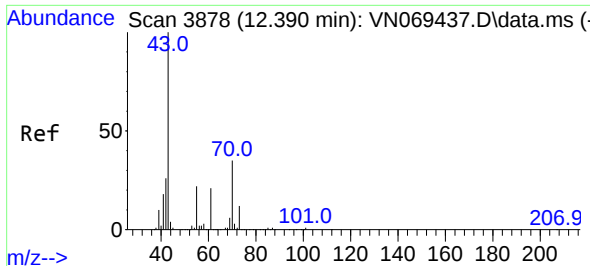


#46
Methyl methacrylate
Concen: 19.414 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



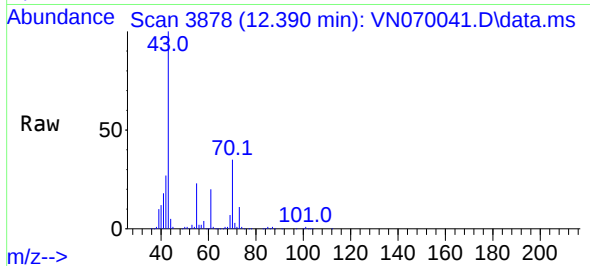
Tgt Ion: 41 Resp: 272337
Ion Ratio Lower Upper
41 100
69 73.0 44.4 133.2
39 64.0 39.9 119.6





#47
n-amy1 Acetate
Concen: 18.430 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

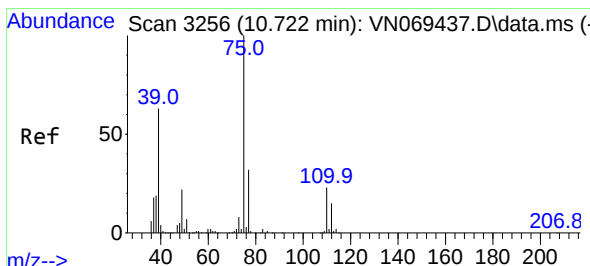
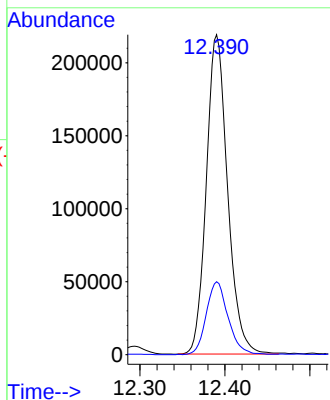
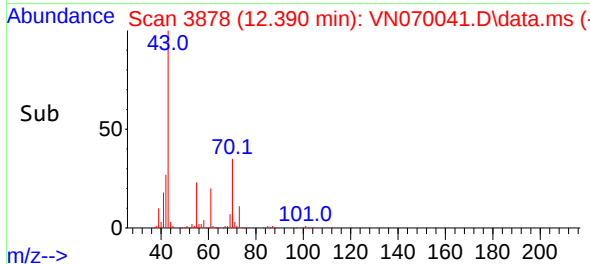
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



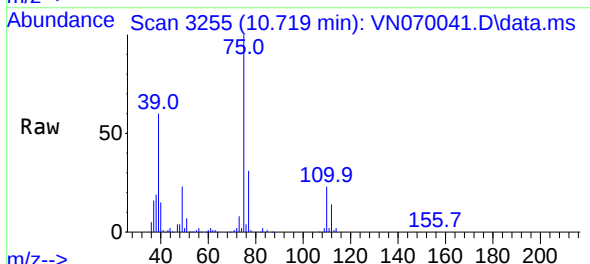
Tgt Ion: 43 Resp: 380680
Ion Ratio Lower Upper
43 100
55 23.5 19.0 28.6

Manual Integrations
APPROVED

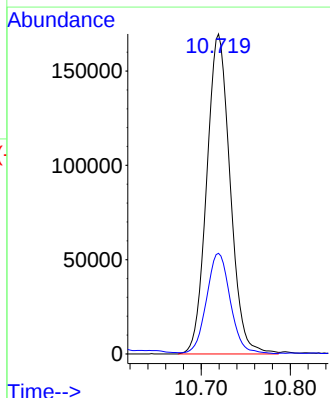
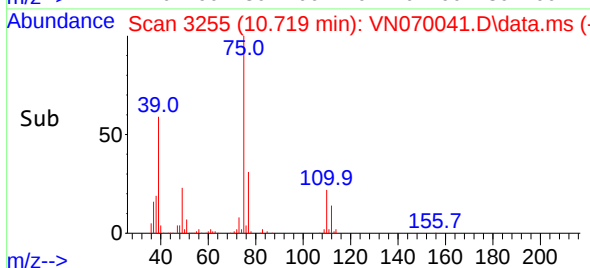
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

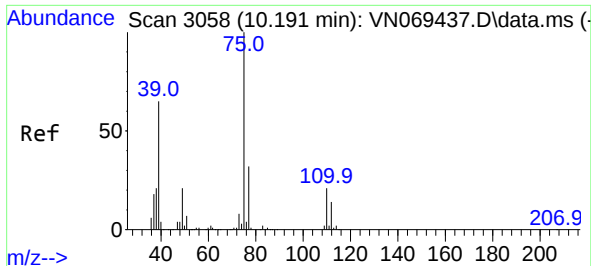


#48
t-1,3-Dichloropropene
Concen: 18.221 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



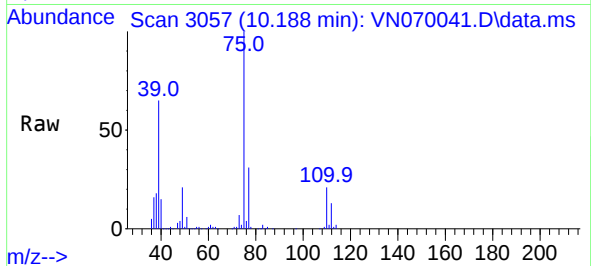
Tgt Ion: 75 Resp: 310233
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9





#49
 cis-1,3-Dichloropropene
 Concen: 18.877 ug/l
 RT: 10.188 min Scan# 3057
 Delta R.T. -0.000 min
 Lab File: VN070041.D
 Acq: 13 Dec 2021 19:02

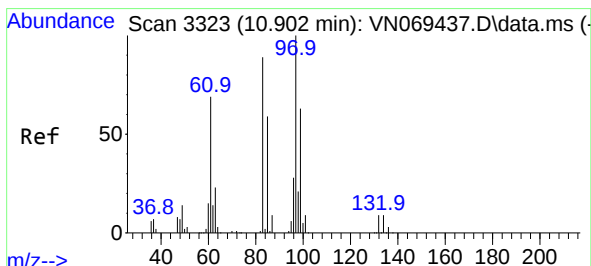
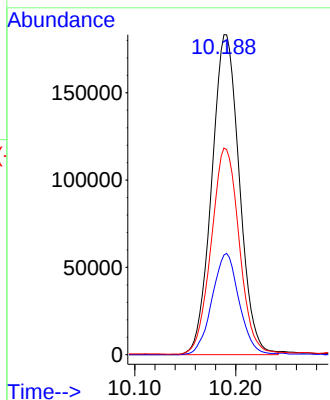
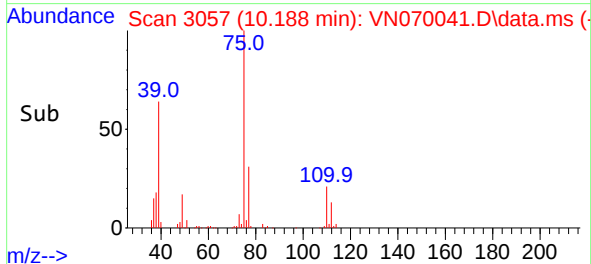
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



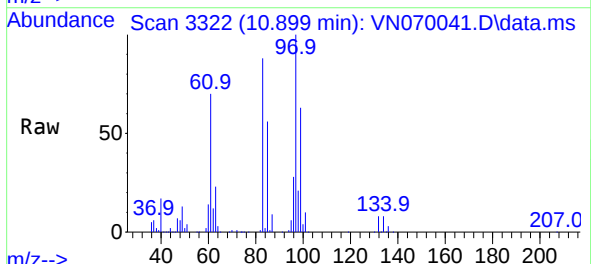
Tgt Ion: 75 Resp: 34879
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.3 37.9
 39 64.4 46.2 69.4

Manual Integrations
 APPROVED

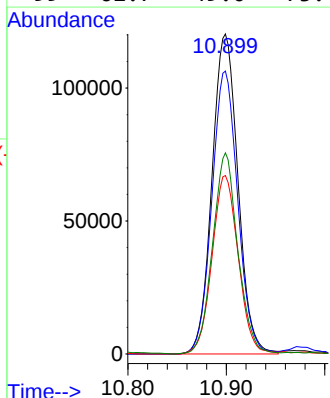
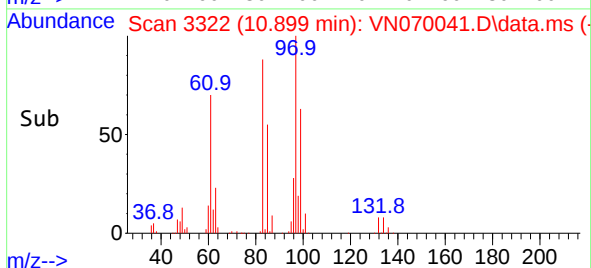
Reviewed By :John Carlone 12/14/2021
 Supervised By :Amit Patel 12/15/2021

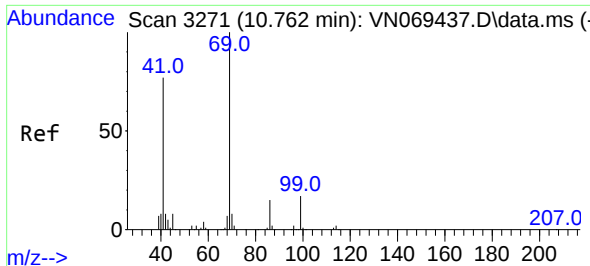


#50
 1,1,2-Trichloroethane
 Concen: 20.294 ug/l
 RT: 10.899 min Scan# 3322
 Delta R.T. 0.000 min
 Lab File: VN070041.D
 Acq: 13 Dec 2021 19:02



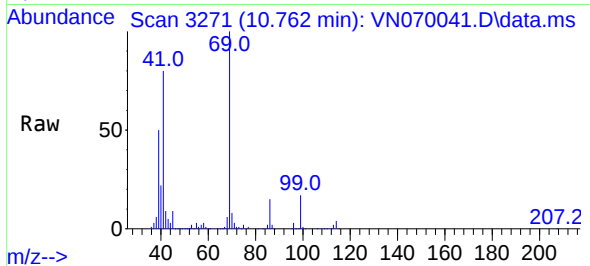
Tgt Ion: 97 Resp: 220833
 Ion Ratio Lower Upper
 97 100
 83 88.4 67.2 100.8
 85 55.7 43.0 64.4
 99 62.7 49.0 73.4





#51
Ethyl methacrylate
Concen: 19.013 ug/l
RT: 10.762 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

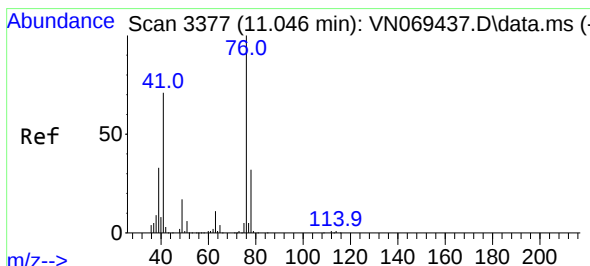
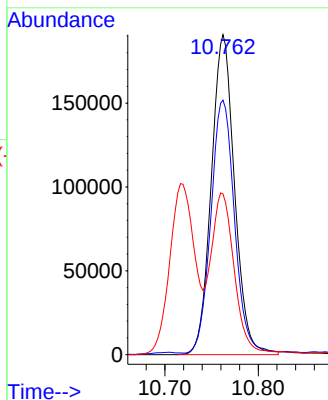
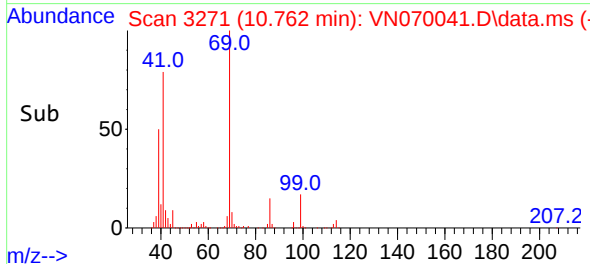
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 69 Resp: 330674
Ion Ratio Lower Upper
69 100
41 79.0 33.0 98.9
39 49.3 25.4 76.4

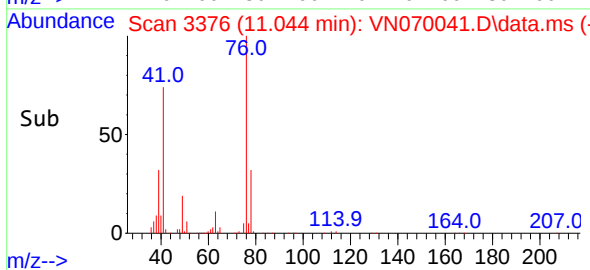
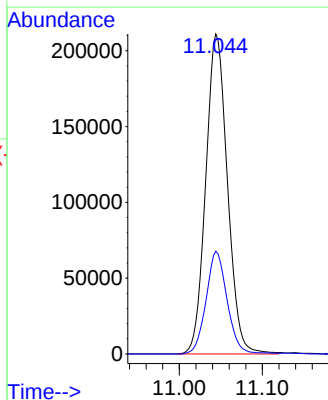
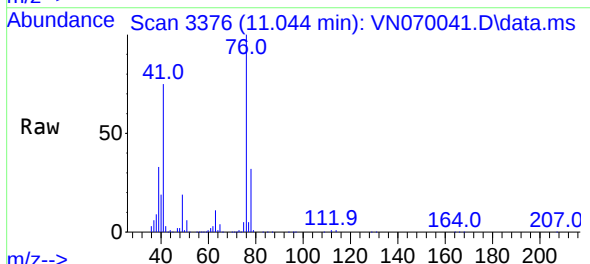
Manual Integrations
APPROVED

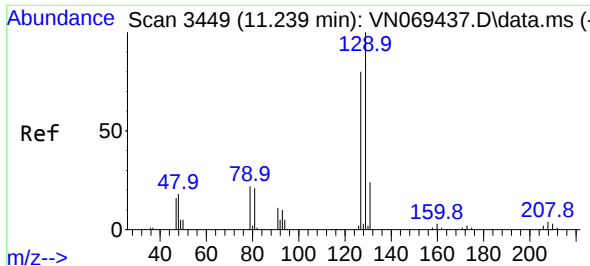
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#52
1,3-Dichloropropane
Concen: 19.872 ug/l
RT: 11.044 min Scan# 3376
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Tgt Ion: 76 Resp: 382883
Ion Ratio Lower Upper
76 100
78 31.1 0.0 65.4





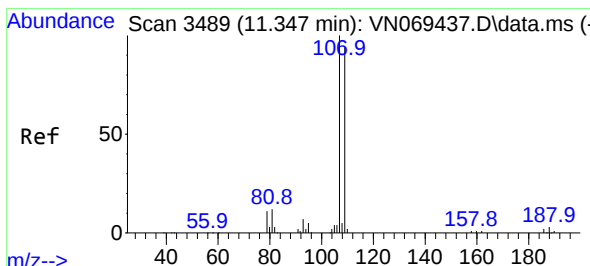
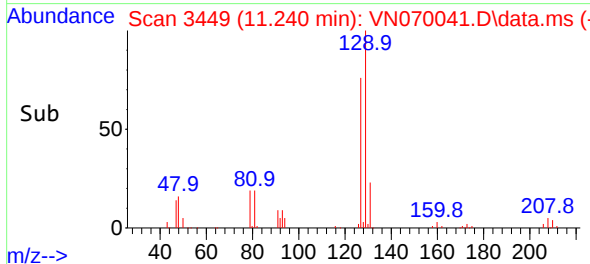
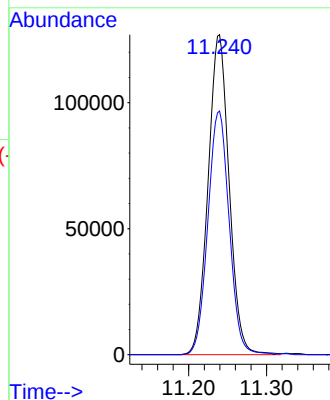
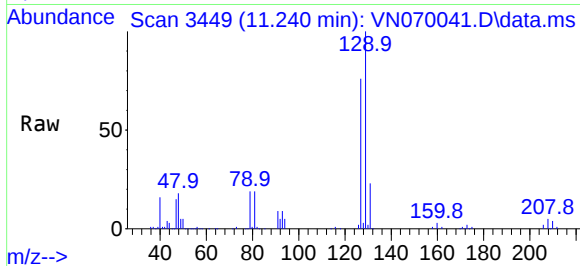
#53
Dibromochloromethane
Concen: 19.523 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:129 Resp: 23864
Ion Ratio Lower Upper
129 100
127 77.0 39.0 117.0

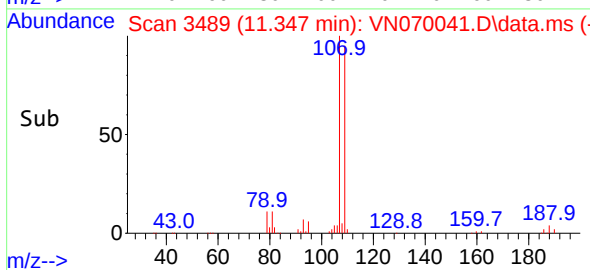
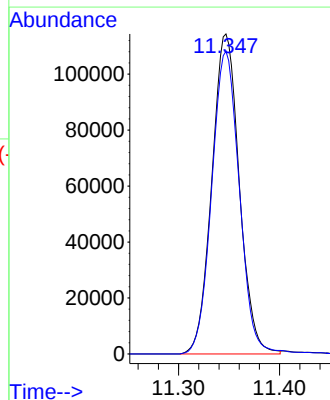
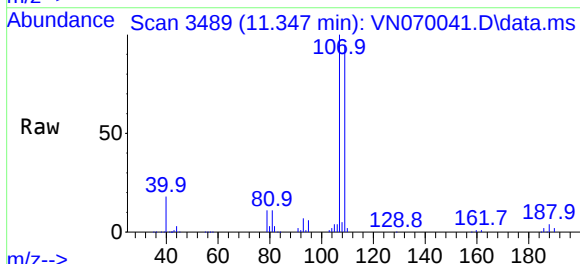
Manual Integrations
APPROVED

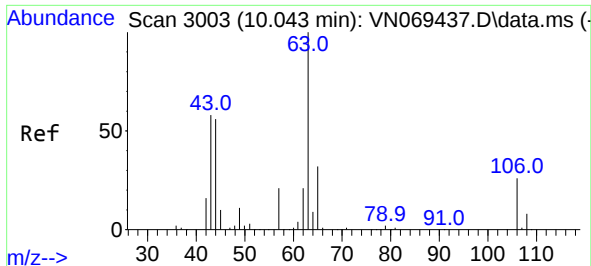
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#54
1,2-Dibromoethane
Concen: 19.450 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Tgt Ion:107 Resp: 215641
Ion Ratio Lower Upper
107 100
109 94.7 72.8 109.2





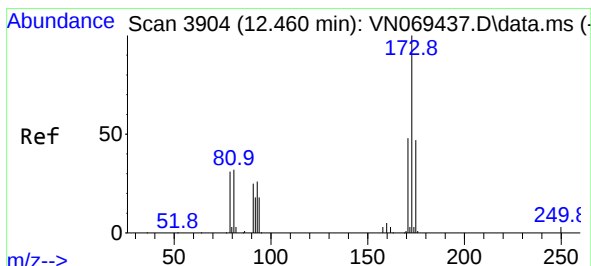
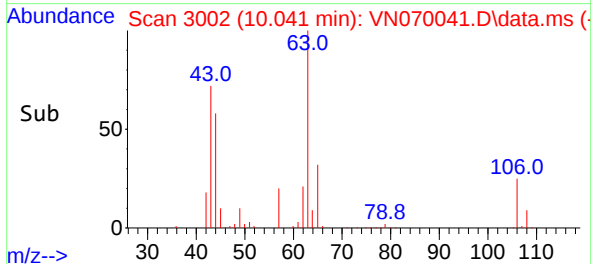
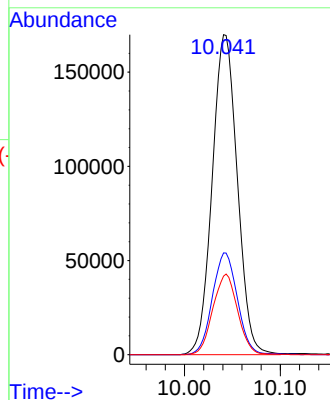
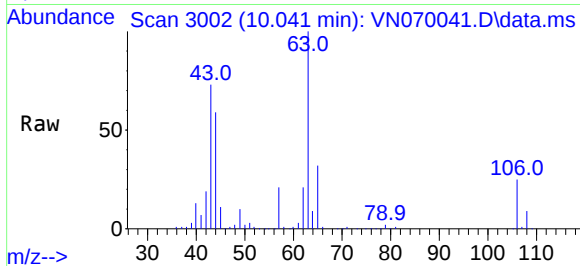
#55
2-Chloroethyl vinyl ether
Concen: 90.673 ug/l
RT: 10.041 min Scan# 3003
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 30915
Ion Ratio Lower Upper
63 100
65 31.4 25.4 38.0
106 24.8 23.2 34.8

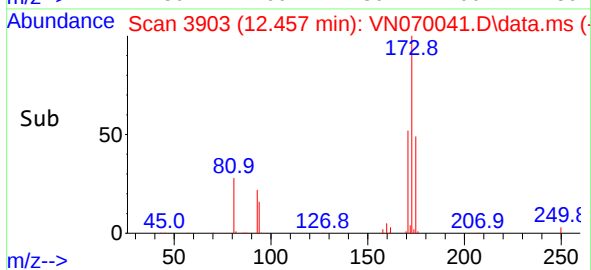
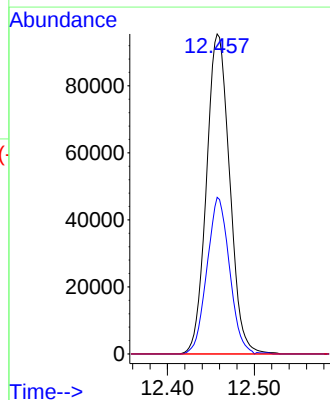
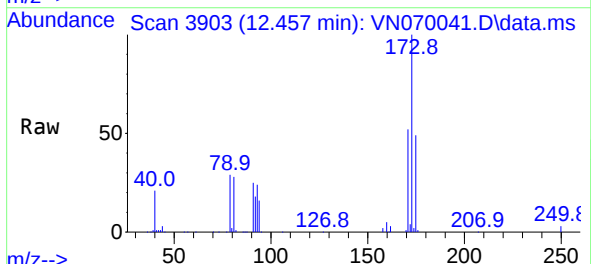
Manual Integrations
APPROVED

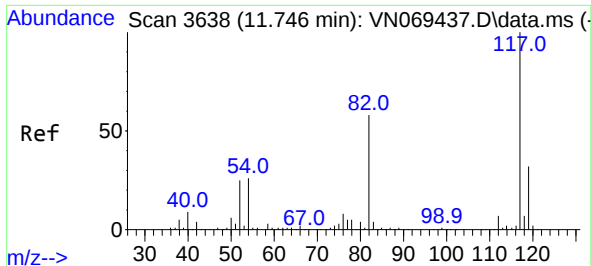
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#56
Bromoform
Concen: 19.033 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Tgt Ion:173 Resp: 177136
Ion Ratio Lower Upper
173 100
175 47.6 38.6 58.0
254 0.0 0.0 0.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

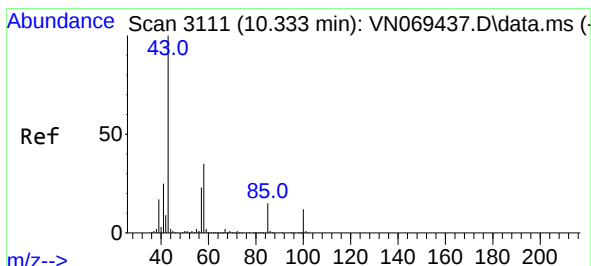
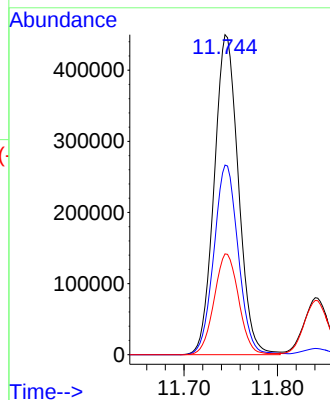
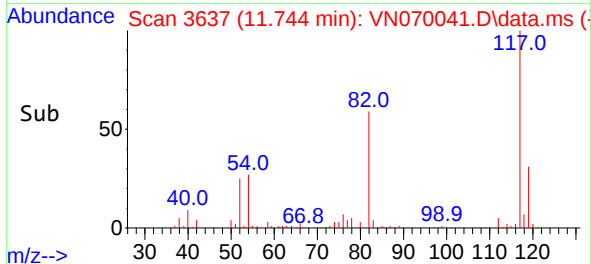
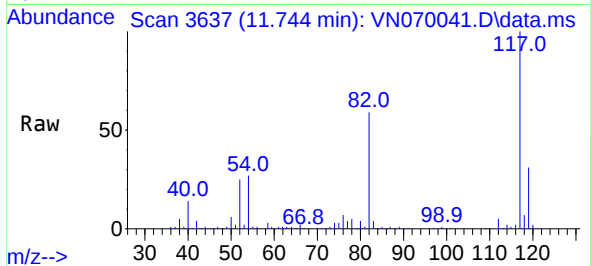
VSTDCCC020EC

Tgt Ion: 117 Resp: 810088
Ion Ratio Lower Upper
117 100
82 59.8 43.6 65.4
119 31.9 25.8 38.6

Manual Integrations

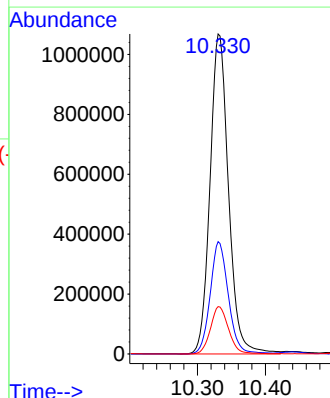
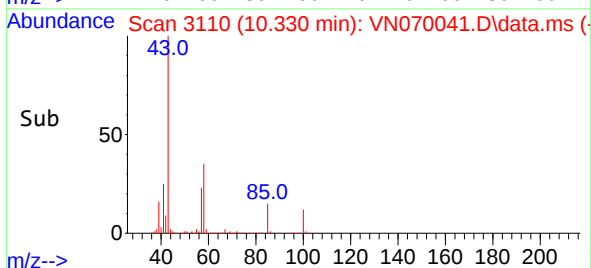
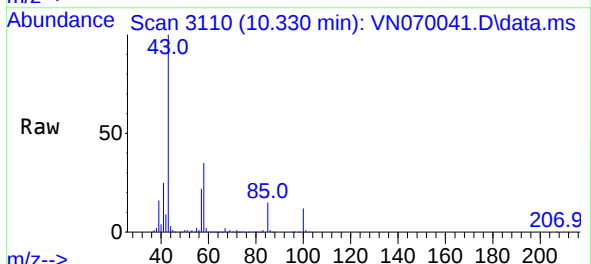
APPROVED

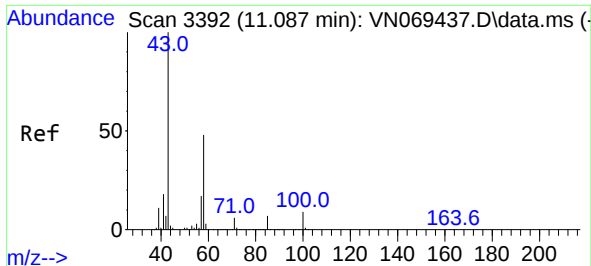
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#58
4-Methyl-2-Pentanone
Concen: 108.468 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Tgt Ion: 43 Resp: 2016772
Ion Ratio Lower Upper
43 100
58 34.5 30.0 45.0
85 14.5 15.0 22.6





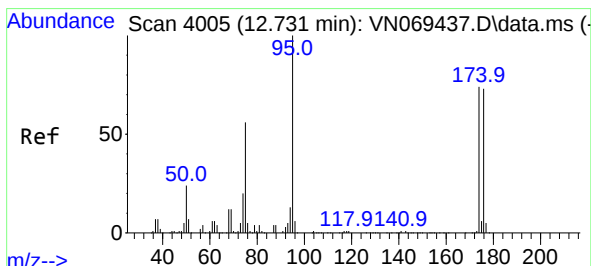
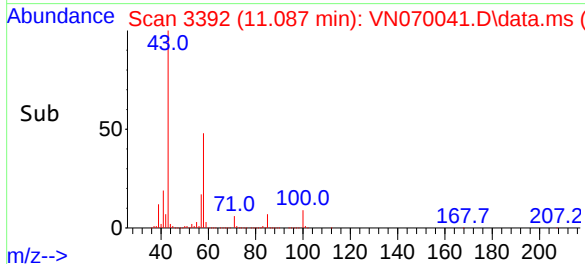
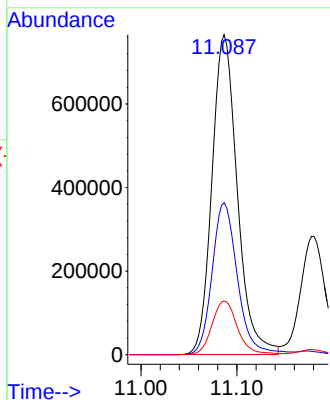
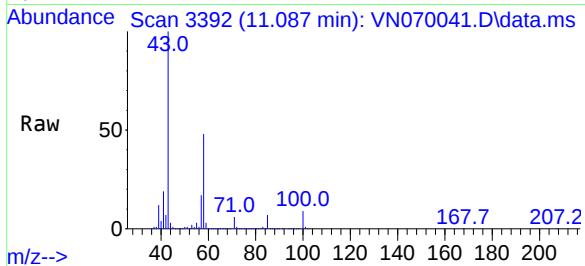
#59
2-Hexanone
Concen: 102.230 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 140523
Ion Ratio Lower Upper
43 100
58 47.9 42.2 63.2
57 17.0 15.0 22.4

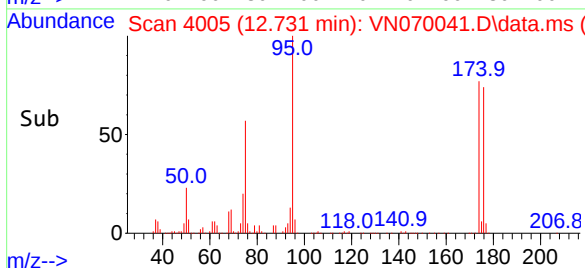
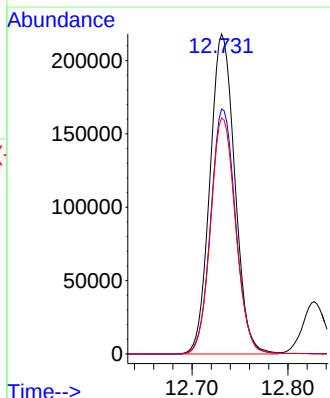
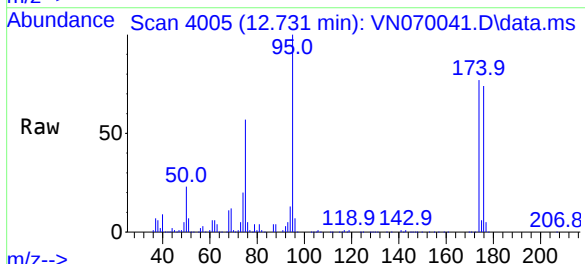
Manual Integrations
APPROVED

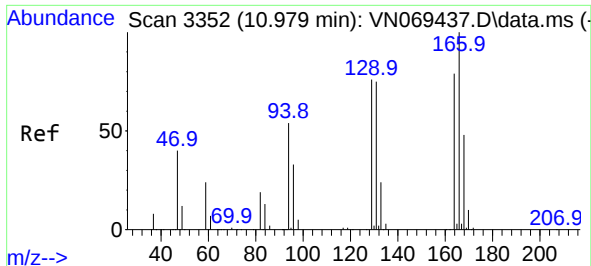
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#60
4-Bromofluorobenzene
Concen: 29.419 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

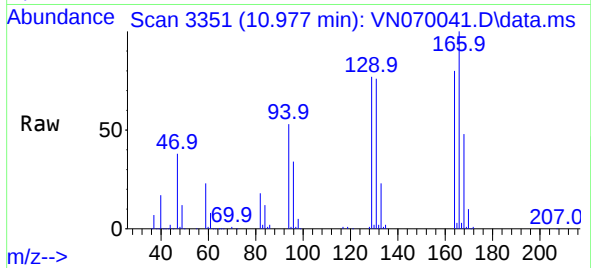
Tgt Ion: 95 Resp: 392155
Ion Ratio Lower Upper
95 100
174 76.7 62.9 94.3
176 74.2 61.0 91.4





#61
Tetrachloroethene
Concen: 19.241 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

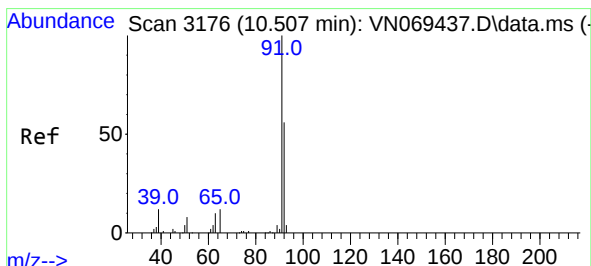
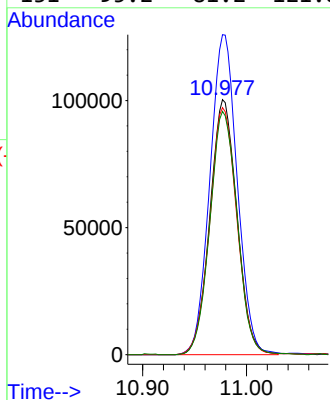
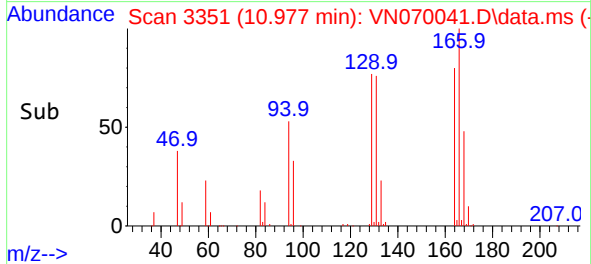
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



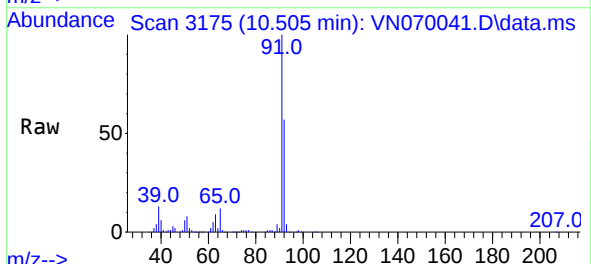
Tgt Ion:164 Resp: 18204
Ion Ratio Lower Upper
164 100
166 125.3 105.8 158.8
129 96.7 82.5 123.7
131 95.2 81.2 121.8

Manual Integrations
APPROVED

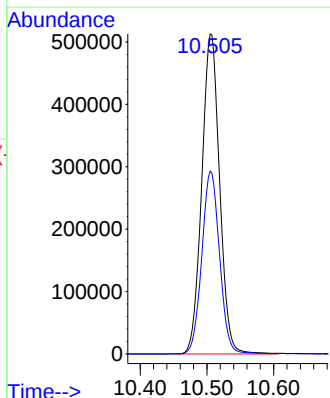
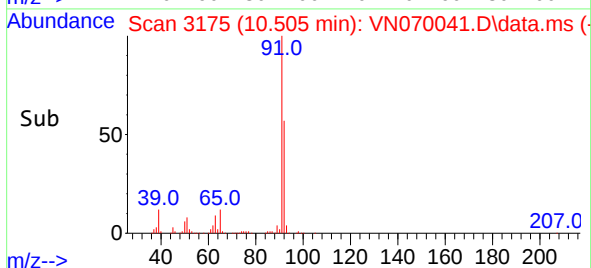
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

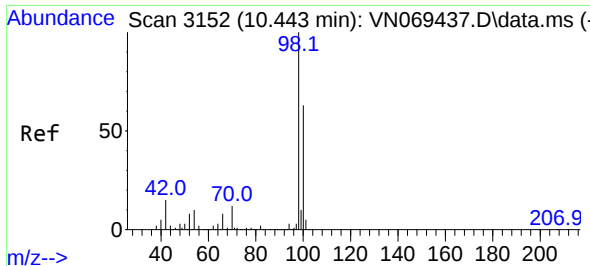


#62
Toluene
Concen: 19.996 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



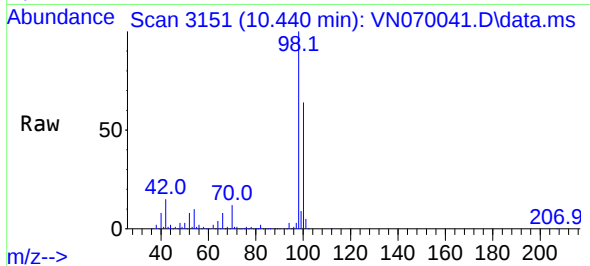
Tgt Ion: 91 Resp: 952653
Ion Ratio Lower Upper
91 100
92 56.7 44.6 67.0





#63
Toluene-d8
Concen: 31.218 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

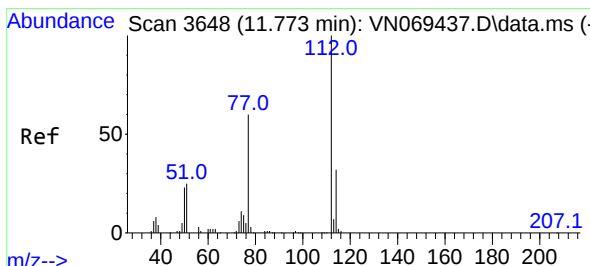
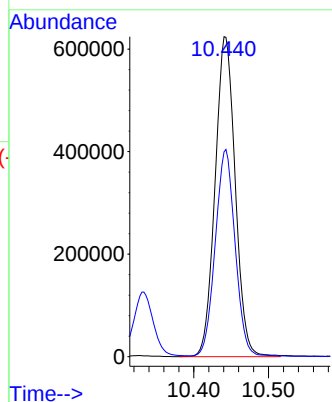
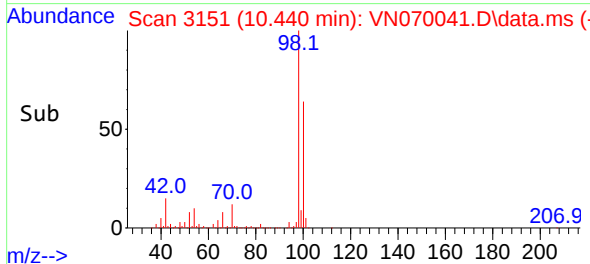
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



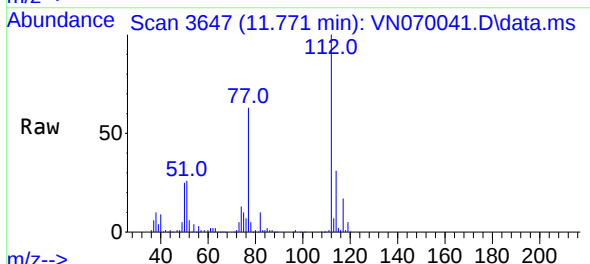
Tgt Ion: 98 Resp: 1168679
Ion Ratio Lower Upper
98 100
100 63.3 50.6 76.0

Manual Integrations
APPROVED

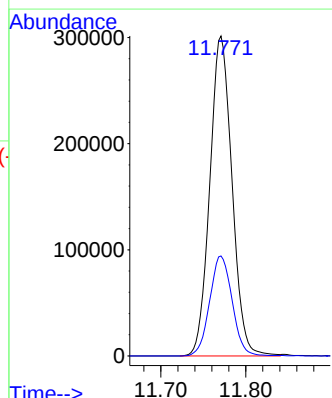
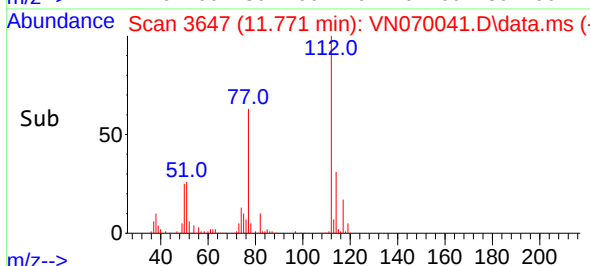
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

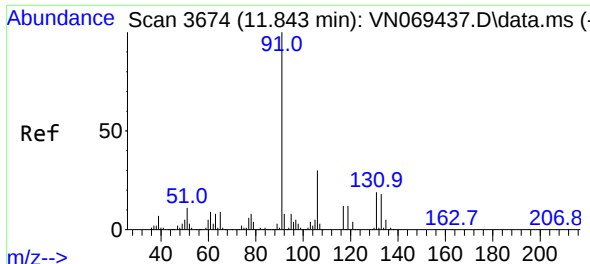


#64
Chlorobenzene
Concen: 19.345 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



Tgt Ion:112 Resp: 546970
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.6





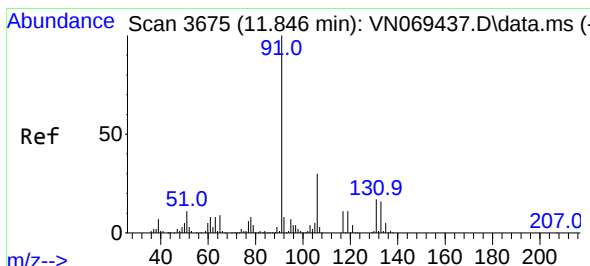
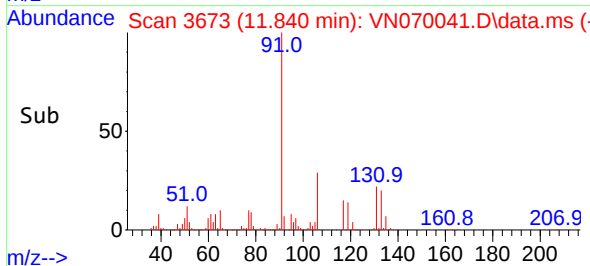
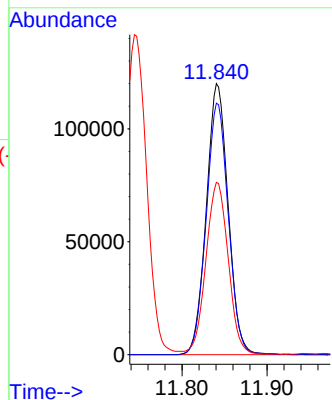
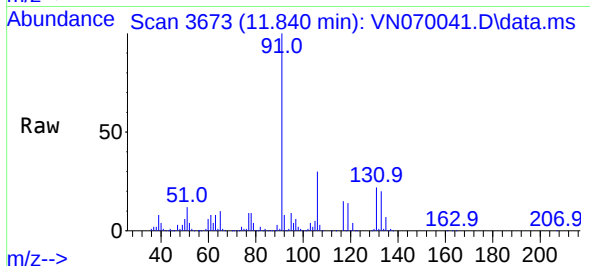
#65
1,1,1,2-Tetrachloroethane
Concen: 20.169 ug/l
RT: 11.840 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 21478
Ion Ratio Lower Upper
131 100
133 93.9 0.0 191.2
119 64.3 0.0 128.8

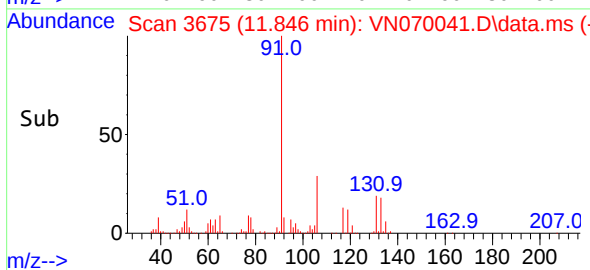
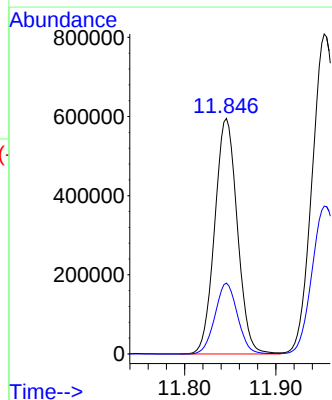
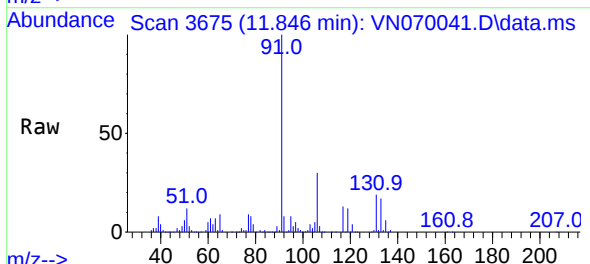
Manual Integrations
APPROVED

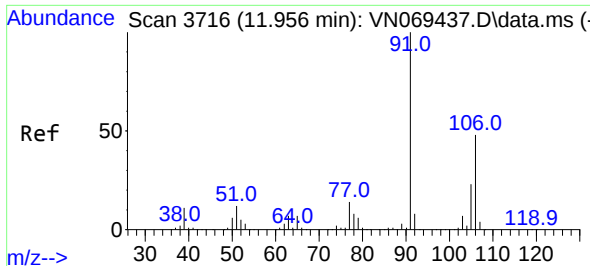
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#66
Ethyl Benzene
Concen: 19.344 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Tgt Ion: 91 Resp: 1024550
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0





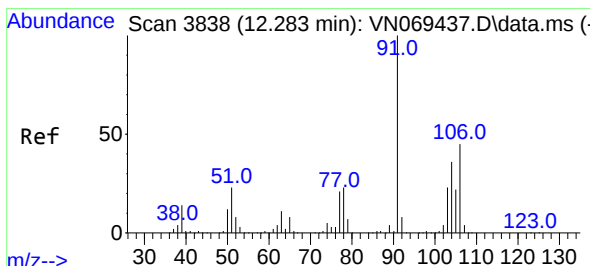
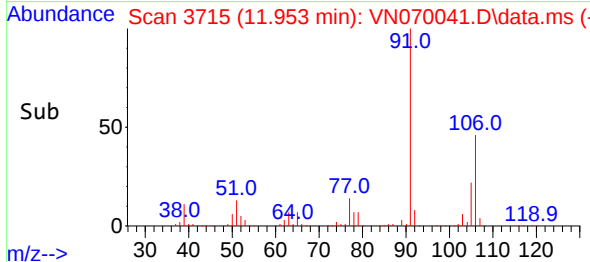
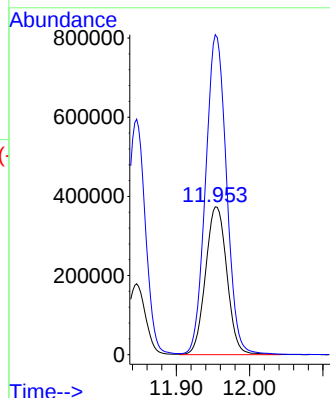
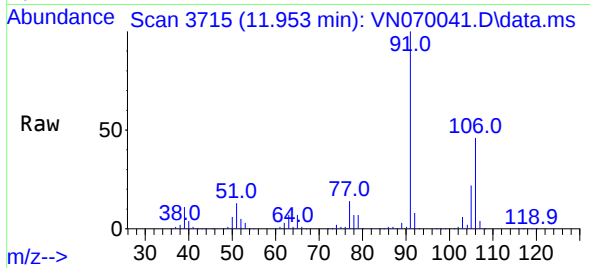
#67
m/p-Xylenes
Concen: 39.132 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 757240
Ion Ratio Lower Upper
106 100
91 212.5 162.9 244.3

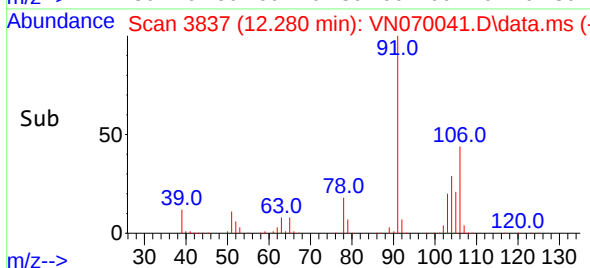
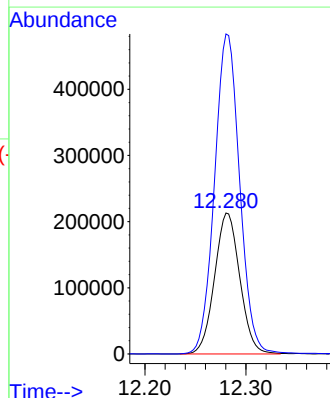
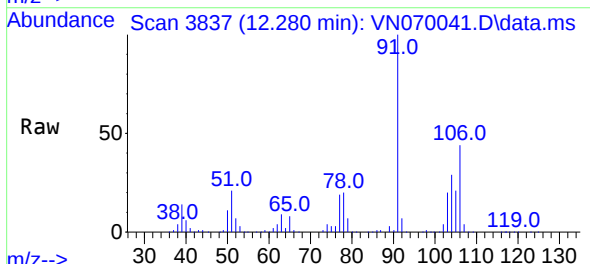
Manual Integrations
APPROVED

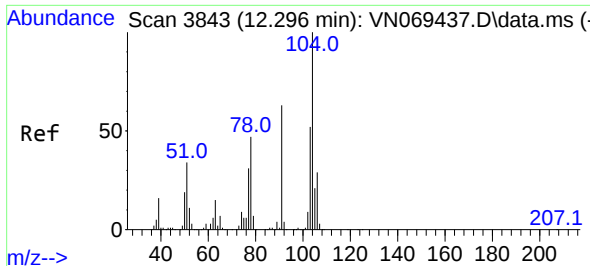
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#68
o-Xylene
Concen: 19.295 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

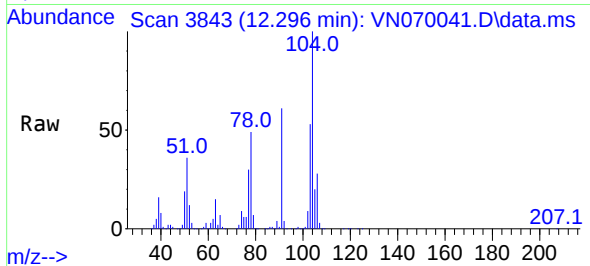
Tgt Ion:106 Resp: 369418
Ion Ratio Lower Upper
106 100
91 226.4 107.7 323.1





#69
Styrene
Concen: 18.975 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

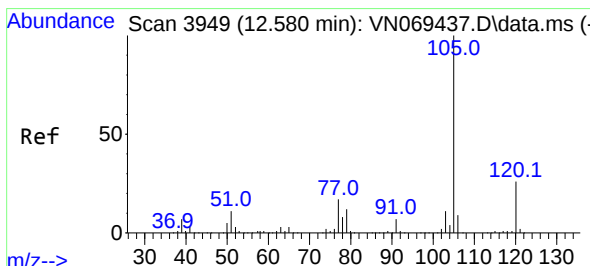
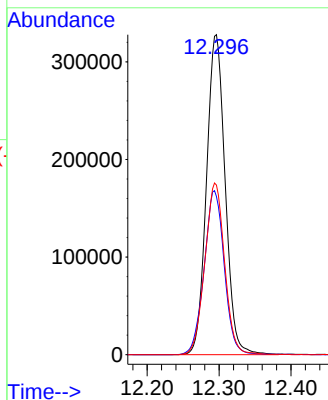
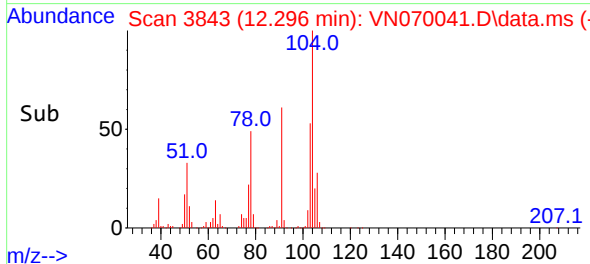
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



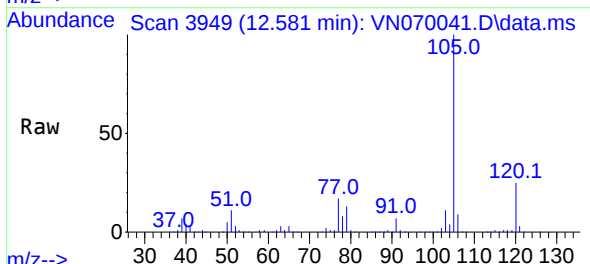
Tgt Ion:104 Resp: 592144
Ion Ratio Lower Upper
104 100
78 55.0 40.7 61.1
103 56.9 45.8 68.8

Manual Integrations
APPROVED

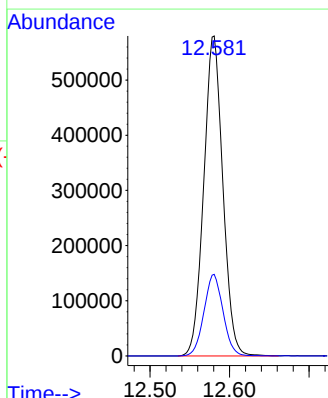
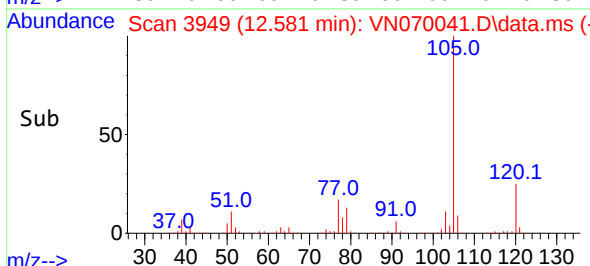
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

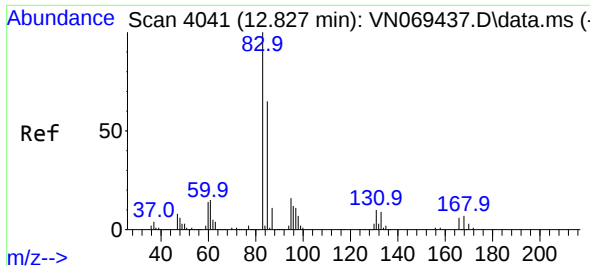


#70
Isopropylbenzene
Concen: 19.276 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



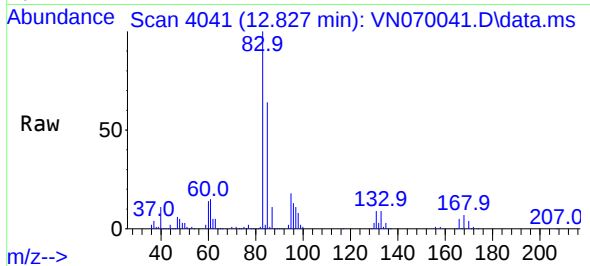
Tgt Ion:105 Resp: 968327
Ion Ratio Lower Upper
105 100
120 25.4 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 21.057 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

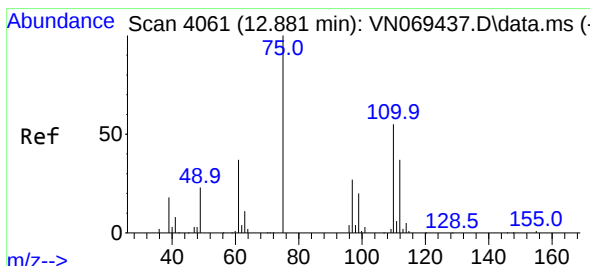
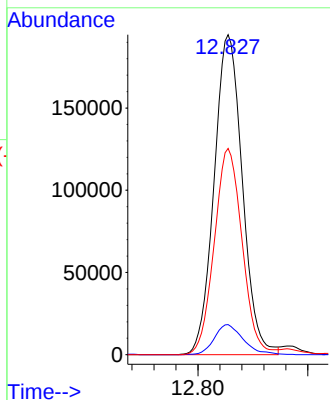
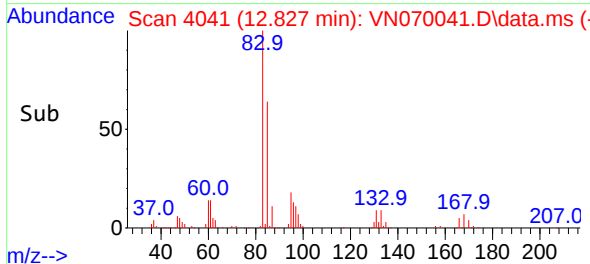
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



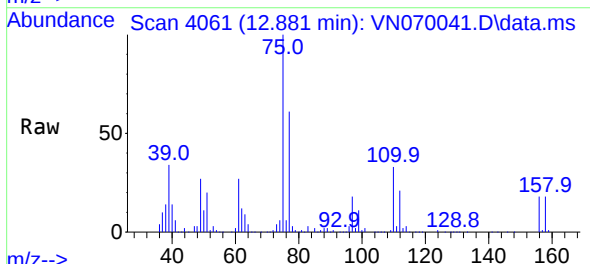
Tgt Ion: 83 Resp: 346924
Ion Ratio Lower Upper
83 100
131 9.7 5.1 15.3
85 63.5 33.1 99.2

Manual Integrations
APPROVED

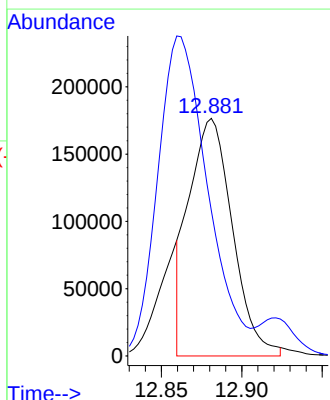
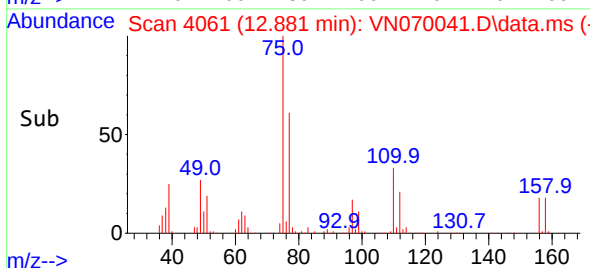
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

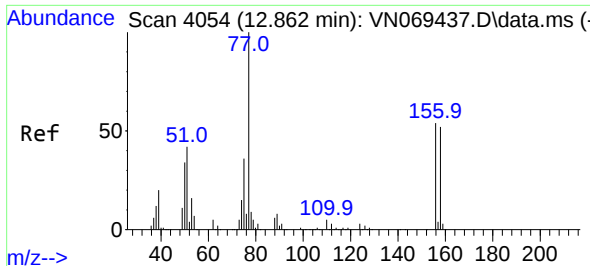


#72
1,2,3-Trichloropropane
Concen: 21.633 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



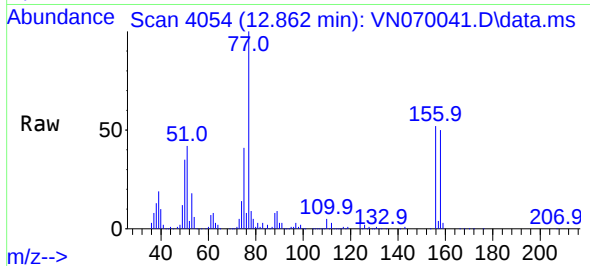
Tgt Ion: 75 Resp: 331665
Ion Ratio Lower Upper
75 100
77 154.8 0.0 378.0





#73
Bromobenzene
Concen: 19.227 ug/l
RT: 12.862 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

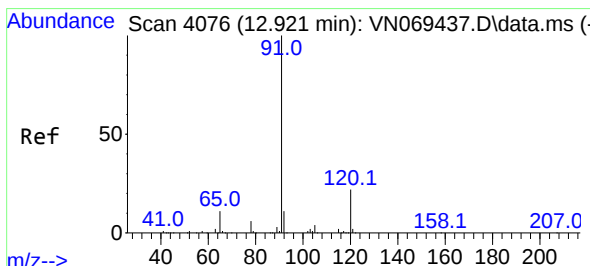
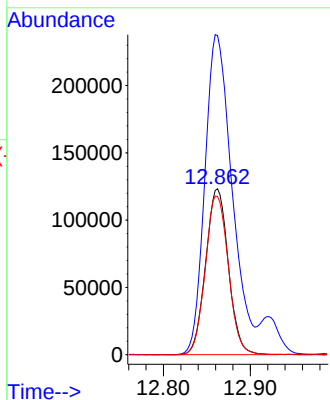
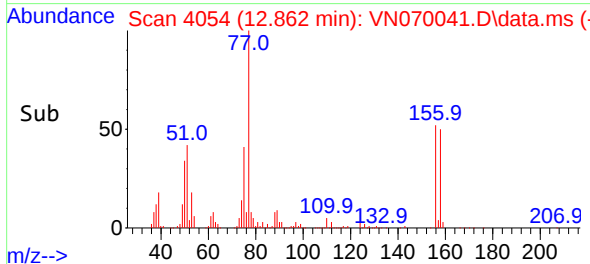
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



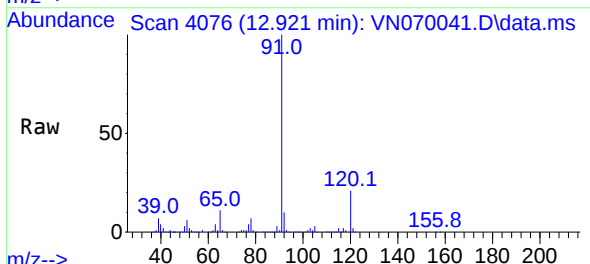
Tgt Ion:156 Resp: 22415
Ion Ratio Lower Upper
156 100
77 229.1 0.0 416.0
158 97.1 0.0 195.4

Manual Integrations
APPROVED

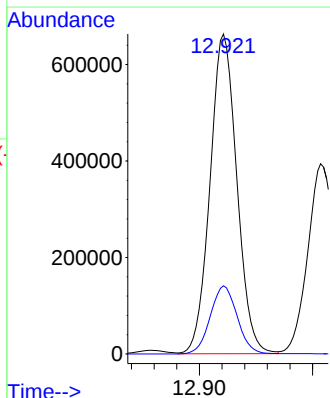
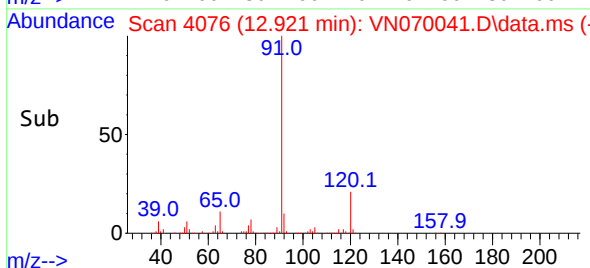
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

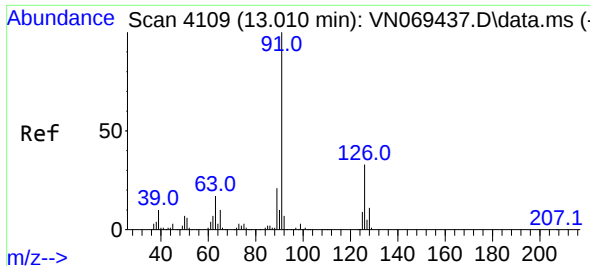


#74
n-propylbenzene
Concen: 18.718 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



Tgt Ion: 91 Resp: 1089865
Ion Ratio Lower Upper
91 100
120 21.4 0.0 45.0





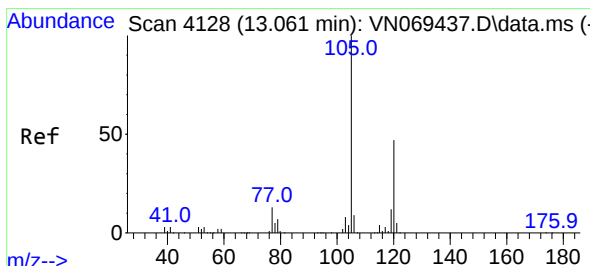
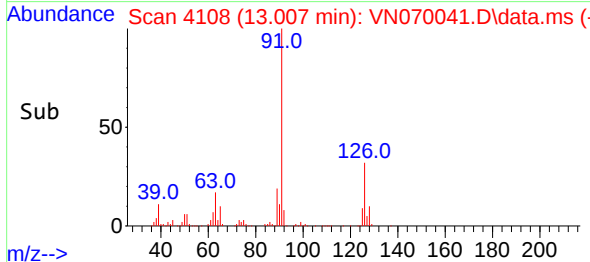
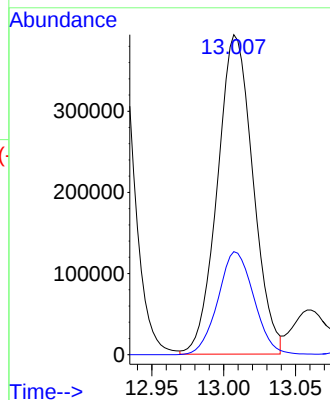
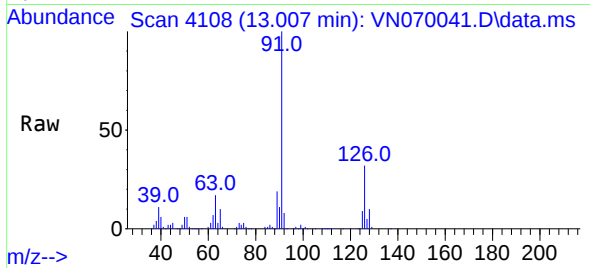
#75
2-Chlorotoluene
Concen: 19.014 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. -0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 677459
Ion Ratio Lower Upper
91 100
126 32.6 0.0 69.8

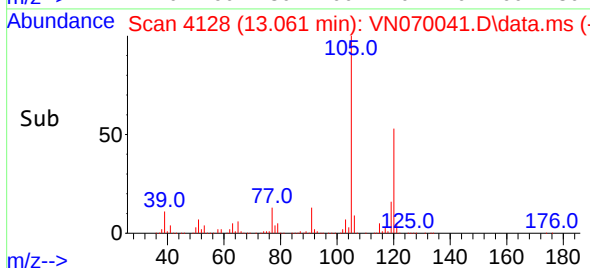
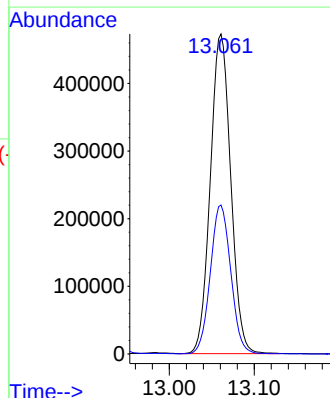
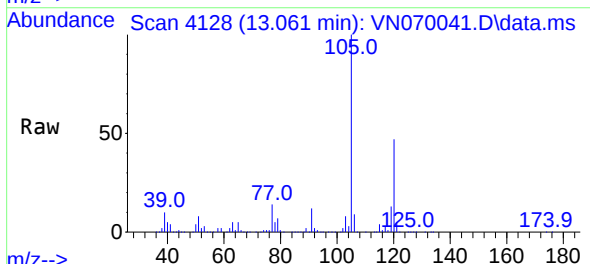
Manual Integrations
APPROVED

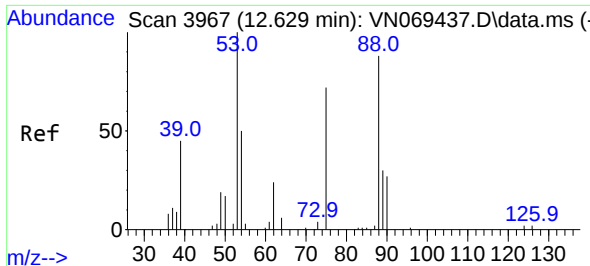
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#76
1,3,5-Trimethylbenzene
Concen: 19.158 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

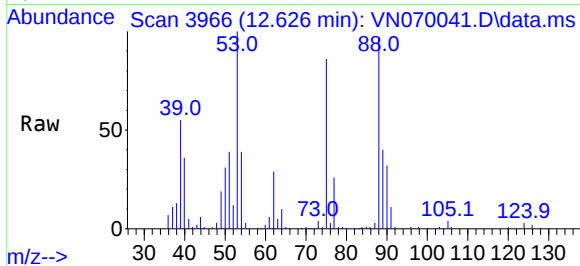
Tgt Ion:105 Resp: 790718
Ion Ratio Lower Upper
105 100
120 46.6 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 19.067 ug/l
RT: 12.626 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

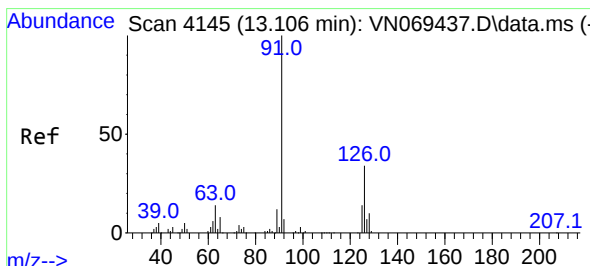
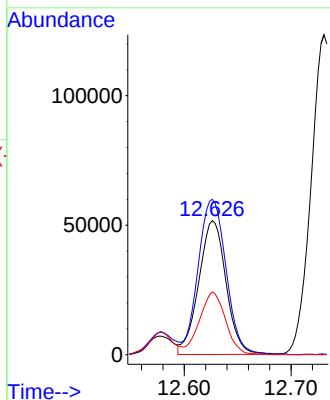
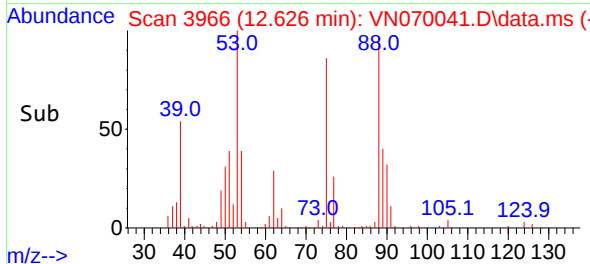
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



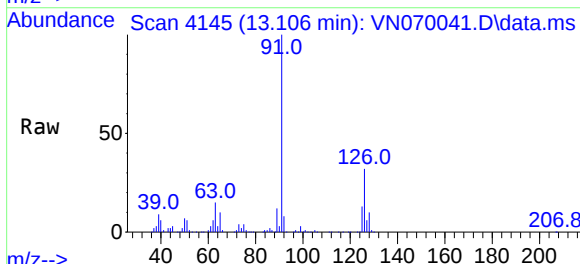
Tgt Ion: 75 Resp: 91920
Ion Ratio Lower Upper
75 100
53 115.8 51.8 155.5
89 47.0 22.9 68.7

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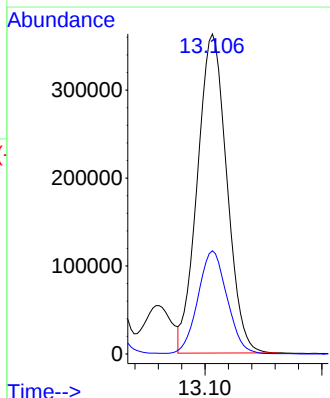
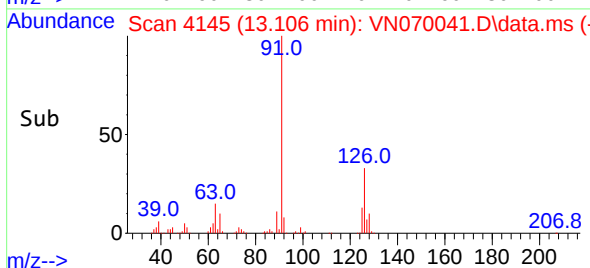
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

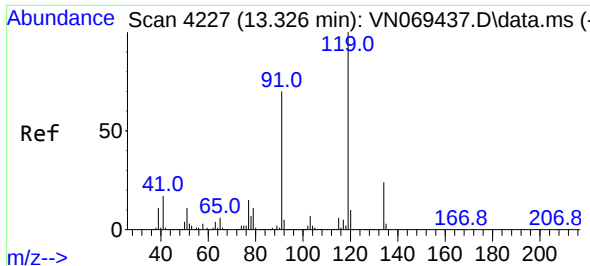


#78
4-Chlorotoluene
Concen: 18.552 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



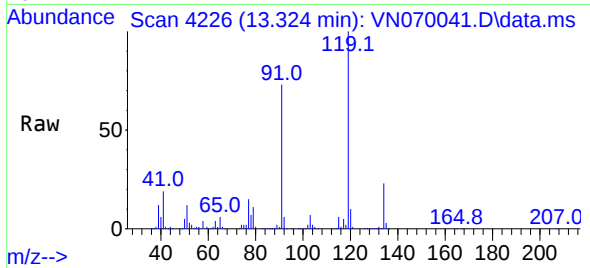
Tgt Ion: 91 Resp: 633890
Ion Ratio Lower Upper
91 100
126 32.2 0.0 70.6





#79
tert-butylbenzene
Concen: 18.930 ug/l
RT: 13.324 min Scan# 4227
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

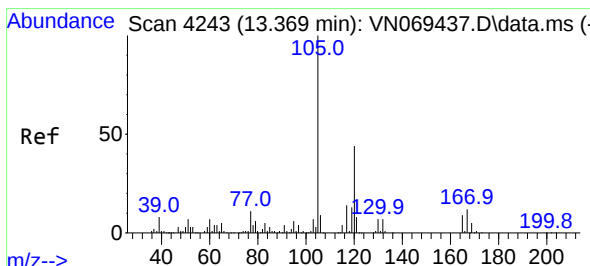
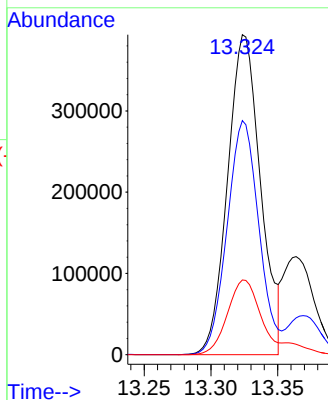
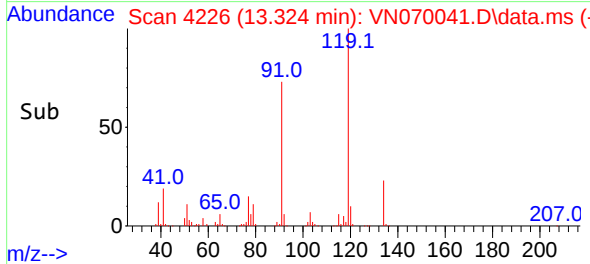
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



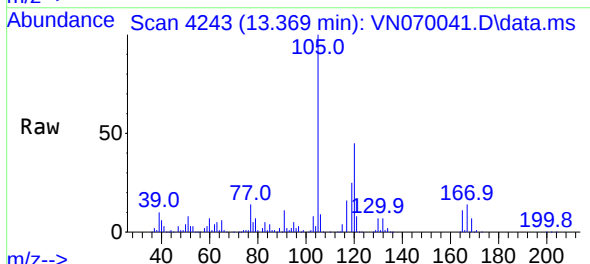
Tgt Ion:119 Resp: 67804
Ion Ratio Lower Upper
119 100
91 70.7 0.0 137.0
134 23.5 0.0 47.6

Manual Integrations
APPROVED

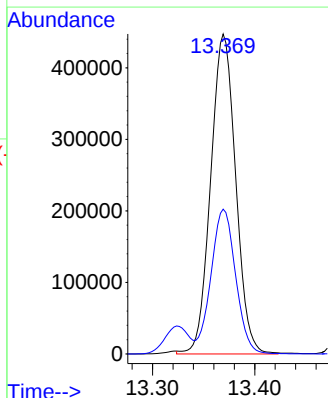
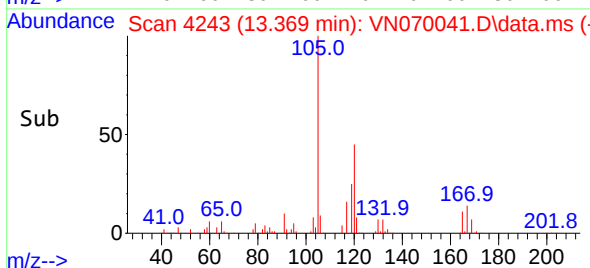
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

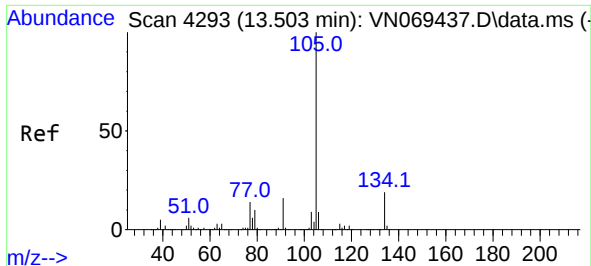


#80
1,2,4-Trimethylbenzene
Concen: 19.035 ug/l m
RT: 13.369 min Scan# 4243
Delta R.T. -0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



Tgt Ion:105 Resp: 759710
Ion Ratio Lower Upper
105 100
120 0.0 0.0 0.2





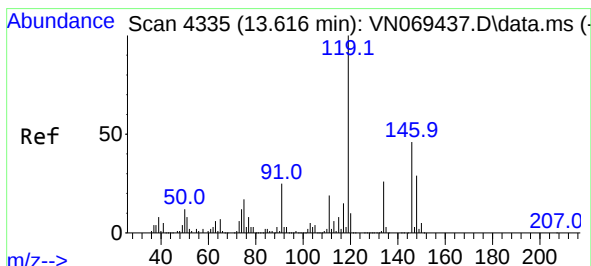
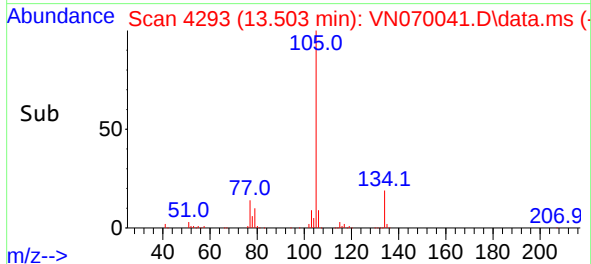
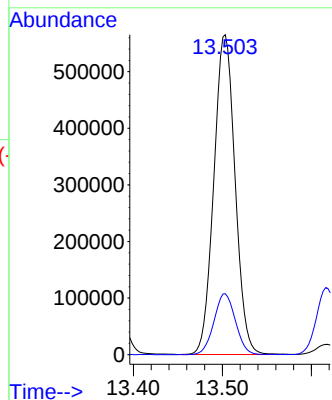
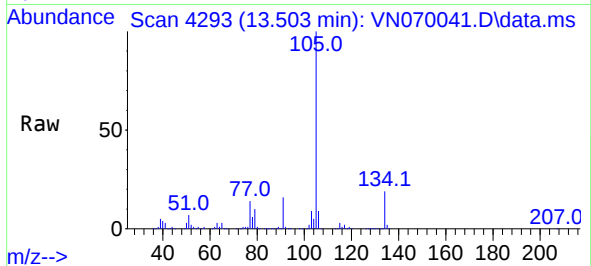
#81
 sec-Butylbenzene
 Concen: 18.753 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.003 min
 Lab File: VN070041.D
 Acq: 13 Dec 2021 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:105 Resp: 937315
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 39.4

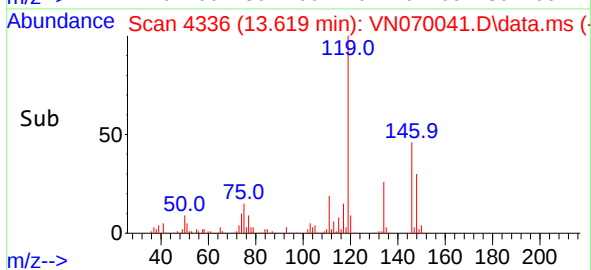
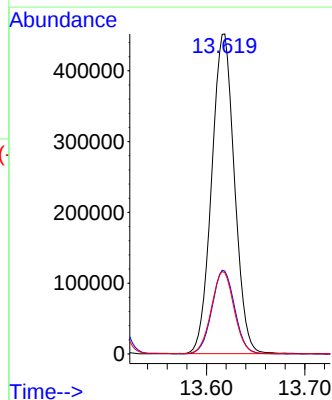
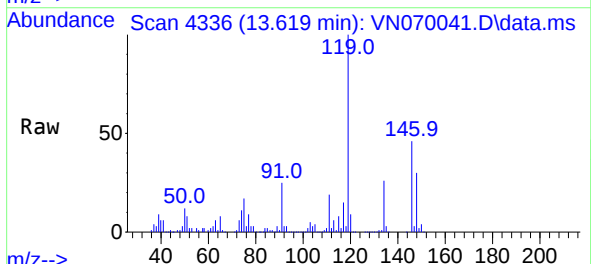
Manual Integrations
 APPROVED

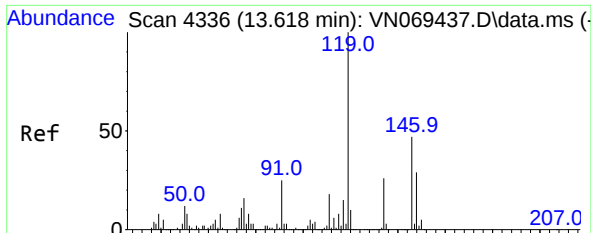
Reviewed By :John Carlone 12/14/2021
 Supervised By :Amit Patel 12/15/2021



#82
 p-Isopropyltoluene
 Concen: 18.284 ug/l
 RT: 13.619 min Scan# 4336
 Delta R.T. 0.003 min
 Lab File: VN070041.D
 Acq: 13 Dec 2021 19:02

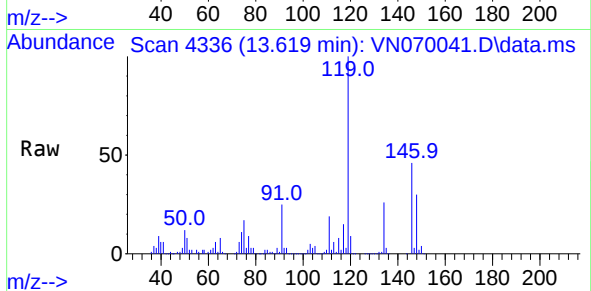
Tgt Ion:119 Resp: 728079
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 51.8
 91 25.6 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 18.801 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

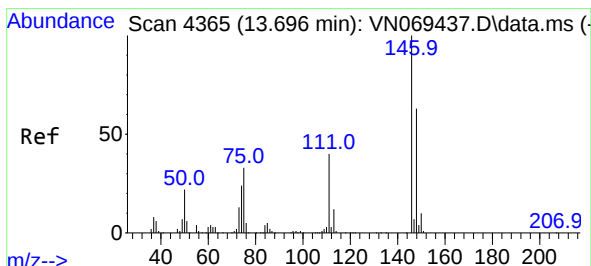
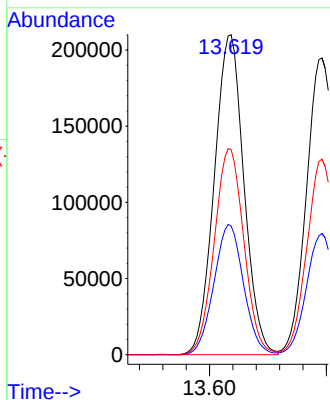
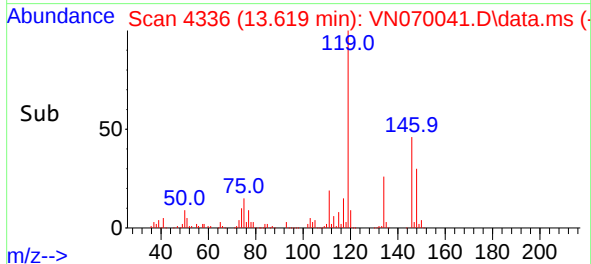
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



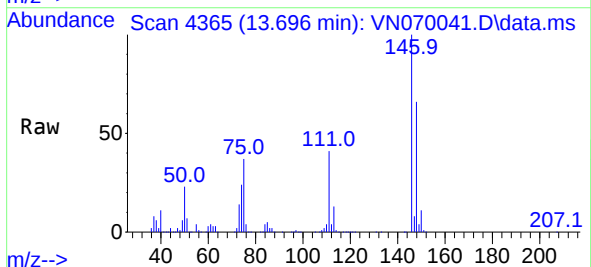
Tgt Ion:146 Resp: 370698
Ion Ratio Lower Upper
146 100
111 40.6 20.8 62.2
148 64.4 31.4 94.3

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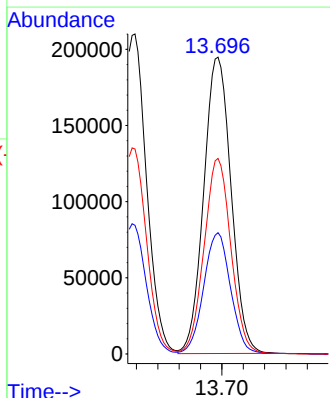
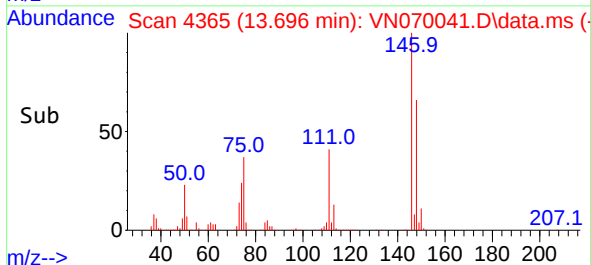
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

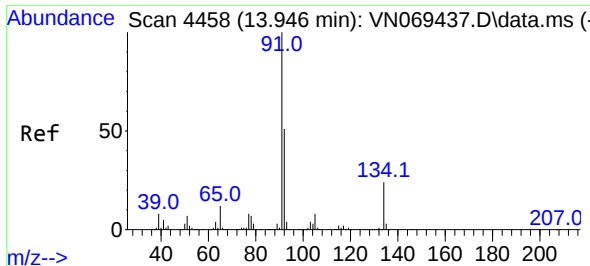


#84
1,4-Dichlorobenzene
Concen: 18.277 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



Tgt Ion:146 Resp: 346645
Ion Ratio Lower Upper
146 100
111 40.0 19.5 58.5
148 64.6 31.1 93.5





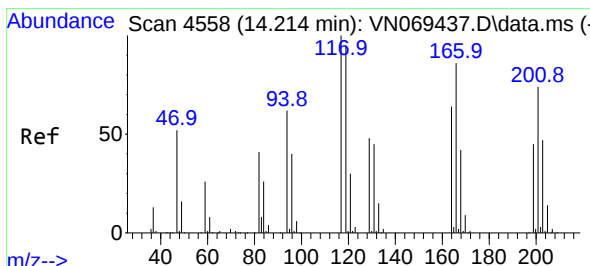
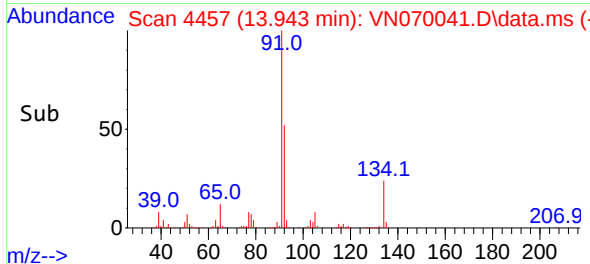
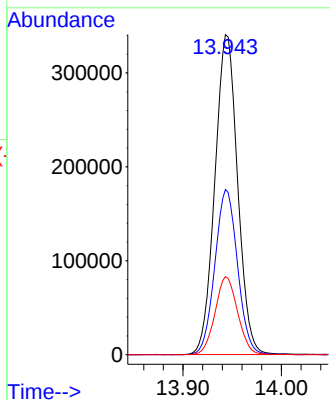
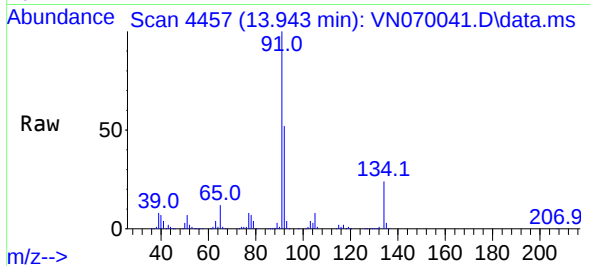
#85
n-Butylbenzene
Concen: 16.458 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 54750
Ion Ratio Lower Upper
91 100
92 51.5 0.0 100.6
134 24.2 0.0 50.2

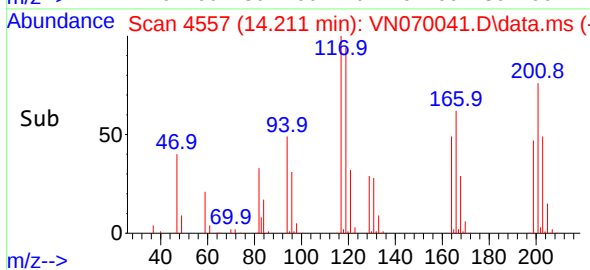
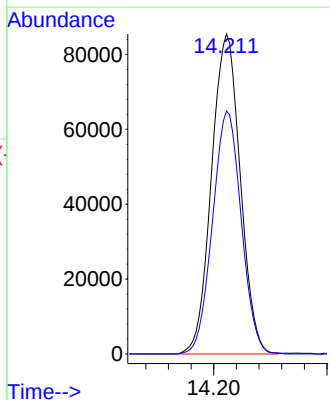
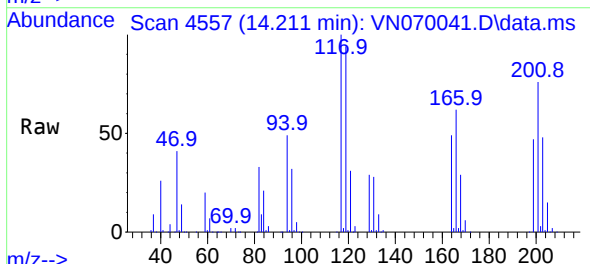
Manual Integrations
APPROVED

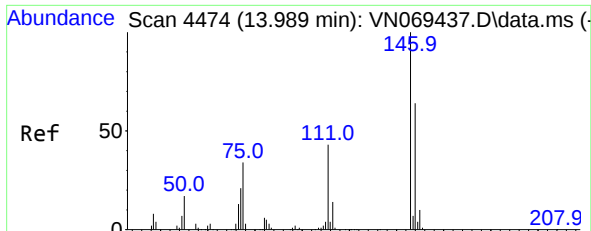
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021



#86
Hexachloroethane
Concen: 18.946 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

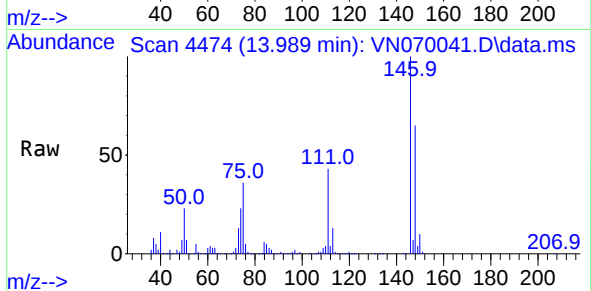
Tgt Ion:117 Resp: 150512
Ion Ratio Lower Upper
117 100
201 75.7 33.3 99.8





#87
1,2-Dichlorobenzene
Concen: 19.319 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

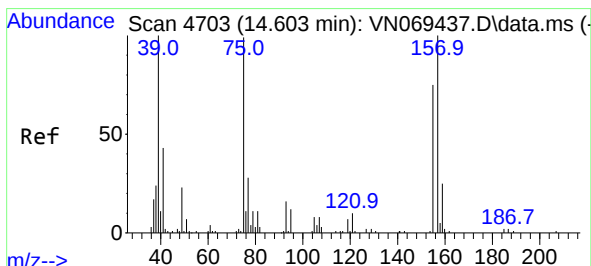
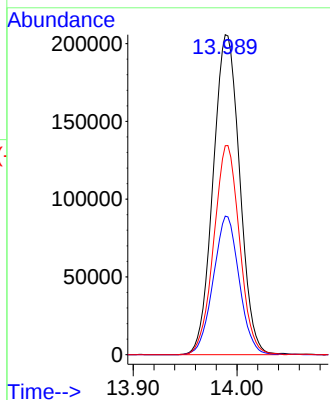
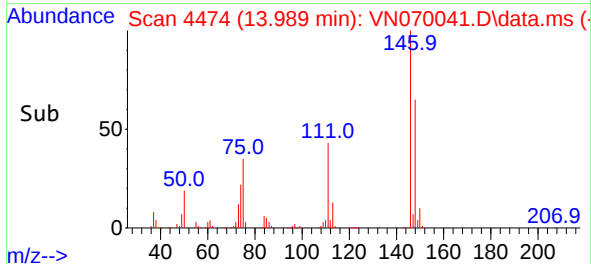
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



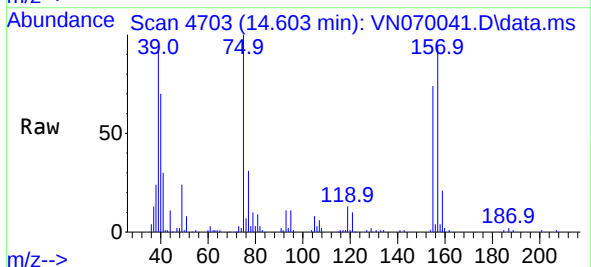
Tgt Ion:146 Resp: 365944
Ion Ratio Lower Upper
146 100
111 42.3 21.4 64.2
148 63.6 32.5 97.4

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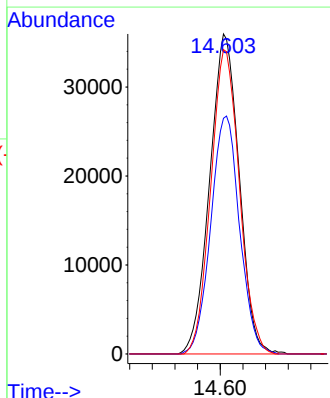
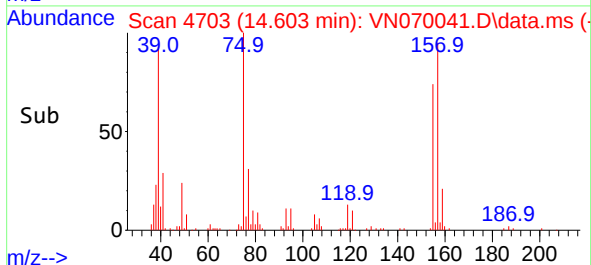
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

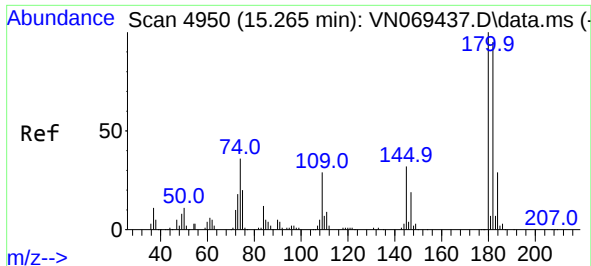


#88
1,2-Dibromo-3-Chloropropane
Concen: 20.560 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



Tgt Ion: 75 Resp: 64798
Ion Ratio Lower Upper
75 100
155 72.9 63.8 95.8
157 92.5 77.9 116.9





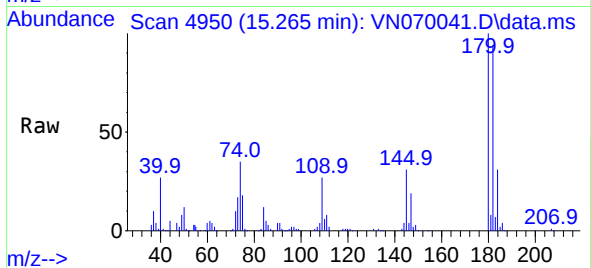
#89
1,2,4-Trichlorobenzene
Concen: 17.103 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

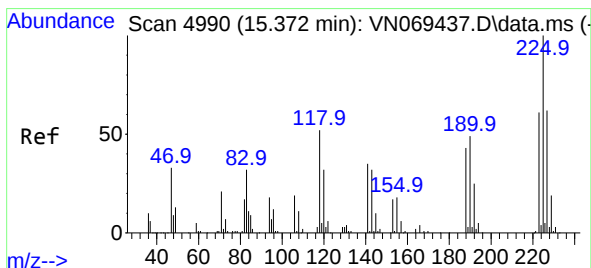
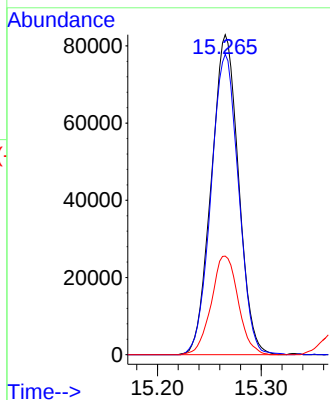
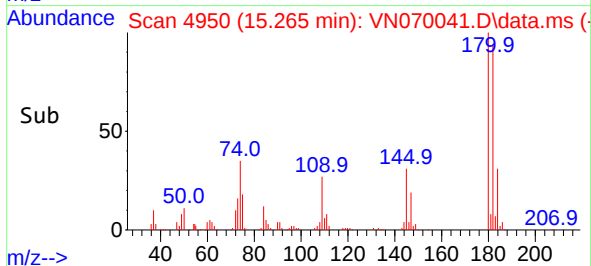


Tgt Ion:180 Resp: 15071
Ion Ratio Lower Upper
180 100
182 94.8 77.7 116.5
145 30.6 26.6 39.8

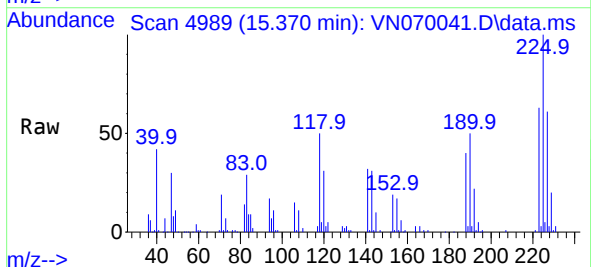
Manual Integrations

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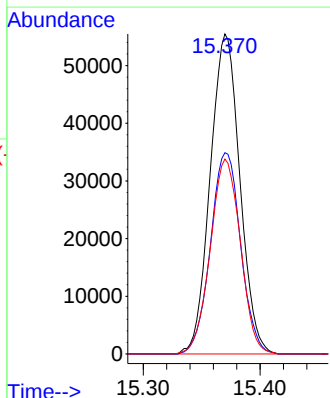
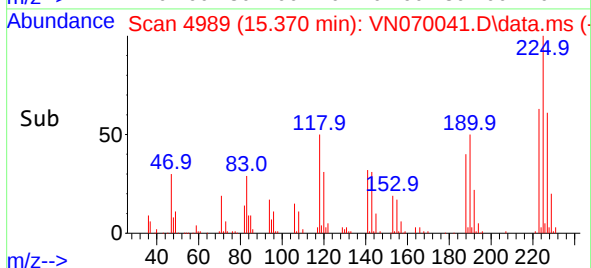
Reviewed By :John Carlone 12/14/2021
Supervised By :Amit Patel 12/15/2021

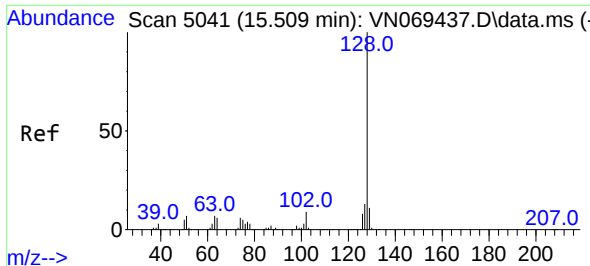


#90
Hexachlorobutadiene
Concen: 18.657 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. -0.000 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



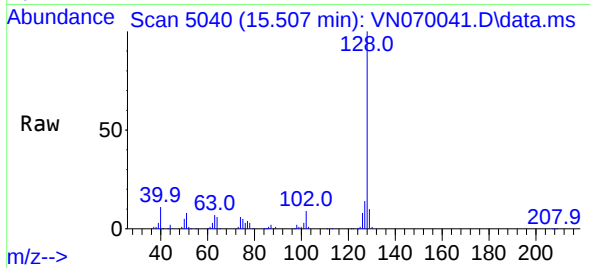
Tgt Ion:225 Resp: 97851
Ion Ratio Lower Upper
225 100
223 64.0 0.0 126.8
227 61.7 0.0 123.0





#91
Naphthalene
Concen: 20.068 ug/l
RT: 15.507 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02

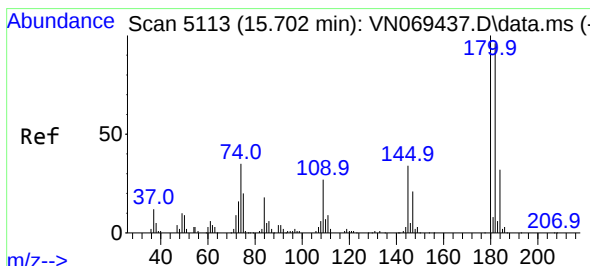
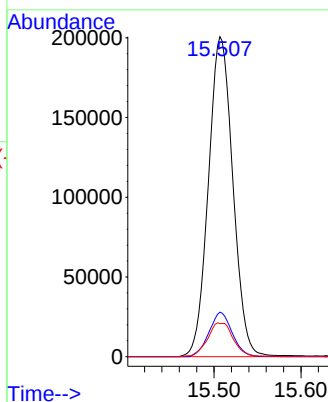
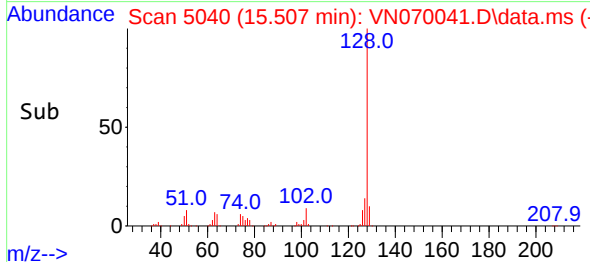
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



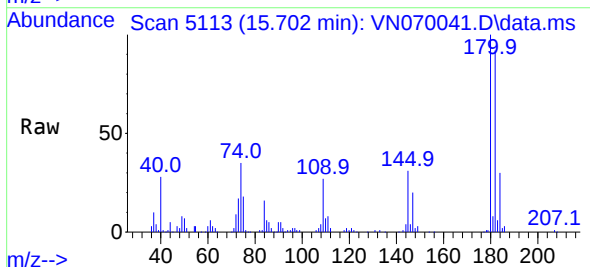
Tgt Ion:128 Resp: 39217
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 5.7 9.0 13.6

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: 18.439 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.003 min
Lab File: VN070041.D
Acq: 13 Dec 2021 19:02



Tgt Ion:180 Resp: 153520
Ion Ratio Lower Upper
180 100
182 94.1 0.0 190.0
145 31.9 0.0 67.8

