

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112221\
 Data File : VN069602.D
 Acq On : 22 Nov 2021 11:20
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/23/2021
 Supervised By : Mahesh Dadoda 11/23/2021

Quant Time: Nov 23 03:48:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	180884	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	978380	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.744	117	887133	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	489998	31.235	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.100%			
60) 4-Bromofluorobenzene	12.733	95	418326	29.467	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.233%			
63) Toluene-d8	10.440	98	1256125	30.666	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.233%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	264239	19.769	ug/l	98
3) Chloromethane	2.306	50	288379	20.693	ug/l	96
4) Vinyl Chloride	2.448	62	266595	18.866	ug/l	99
5) Bromomethane	2.861	94	161451	17.840	ug/l	97
6) Chloroethane	3.025	64	162063	18.178	ug/l	99
7) Trichlorofluoromethane	3.379	101	348266	16.815	ug/l	98
8) Diethyl Ether	3.824	74	142077	21.731	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.210	101	191119	19.941	ug/l #	71
10) 1,1-Dichloroethene	4.178	96	174488	19.303	ug/l	88
11) Methyl Iodide	4.419	142	261867	20.792	ug/l	97
12) Methyl Acetate	4.856	43	540734	20.771	ug/l	90
13) Acrolein	4.041	56	80709	112.761	ug/l	100
14) Acrylonitrile	5.556	53	731471	102.990	ug/l	99
15) Acetone	4.288	58	293833	124.159	ug/l	73
16) Carbon Disulfide	4.529	76	423288	18.734	ug/l	99
17) Allyl chloride	4.840	41	390992	20.351	ug/l	88
18) Methylene Chloride	5.092	84	238846	20.741	ug/l	91
19) trans-1,2-Dichloroethene	5.599	96	191035	19.258	ug/l	84
20) Diisopropyl ether	6.498	45	859003	20.866	ug/l #	96
21) 1,1-Dichloroethane	6.388	63	425595	20.378	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	239317	19.452	ug/l	91
23) tert-Butyl Alcohol	5.377	59	244395m	98.873	ug/l	
24) Methyl tert-Butyl Ether	5.618	73	751457	20.743	ug/l	94
25) Chloroform	7.817	83	440994	20.422	ug/l	99
26) Cyclohexane	8.094	56	370642	18.692	ug/l	87
29) 1,1-Dichloropropene	8.220	75	294459	19.716	ug/l	96
30) 2-Butanone	7.337	43	1250754	115.700	ug/l	91
31) 2,2-Dichloropropane	7.329	77	315787	20.000	ug/l	98
32) 1,1,1-Trichloroethane	8.013	97	342431	19.640	ug/l	94
33) Carbon Tetrachloride	8.206	117	284478	19.755	ug/l	99
34) Benzene	8.458	78	945834	20.825	ug/l #	93
35) Methacrylonitrile	7.638	41	213573	21.541	ug/l	90
36) 1,2-Dichloroethane	8.528	62	391061	22.334	ug/l	99
37) Trichloroethene	9.215	130	220360	20.083	ug/l	90
38) Methylcyclohexane	9.459	83	357353	19.340	ug/l	88
39) 1,2-Dichloropropane	9.491	63	255757	21.262	ug/l	100
40) Dibromomethane	9.579	93	175296	21.760	ug/l	96
41) Bromodichloromethane	9.762	83	319613	21.137	ug/l	94
42) Vinyl Acetate	6.433	43	3331925m	109.064	ug/l	

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

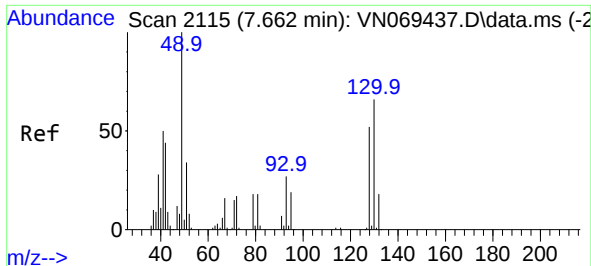
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	425333	21.231	ug/l	94
44) Isopropyl Acetate	8.560	43	665841	21.318	ug/l	95
45) 1,4-Dioxane	9.571	88	103066	406.511	ug/l	90
46) Methyl methacrylate	9.561	41	295457	20.540	ug/l	83
47) n-amyl Acetate	12.390	43	406839	16.963	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	323916	19.961	ug/l	100
49) cis-1,3-Dichloropropene	10.188	75	363927	20.609	ug/l	93
50) 1,1,2-Trichloroethane	10.899	97	239701	20.953	ug/l	99
51) Ethyl methacrylate	10.762	69	380815	19.855	ug/l	91
52) 1,3-Dichloropropane	11.044	76	419127	21.210	ug/l	100
53) Dibromochloromethane	11.240	129	221961	20.304	ug/l	98
54) 1,2-Dibromoethane	11.347	107	238898	20.164	ug/l	96
55) 2-Chloroethyl vinyl ether	10.041	63	813221	186.401	ug/l	96
56) Bromoform	12.457	173	149295	19.045	ug/l #	99
58) 4-Methyl-2-Pentanone	10.330	43	2162079	111.028	ug/l #	94
59) 2-Hexanone	11.087	43	1595260	107.696	ug/l	95
61) Tetrachloroethene	10.979	164	201278	21.139	ug/l	97
62) Toluene	10.505	91	1008696	20.691	ug/l	99
64) Chlorobenzene	11.771	112	588216	20.112	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.840	131	217809	21.153	ug/l	99
66) Ethyl Benzene	11.846	91	1073704	19.898	ug/l	99
67) m/p-Xylenes	11.956	106	786941	39.266	ug/l	94
68) o-Xylene	12.280	106	389510	19.411	ug/l	93
69) Styrene	12.296	104	620748	19.080	ug/l	97
70) Isopropylbenzene	12.578	105	1008057	19.208	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	363205	20.974	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	316725m	18.775	ug/l	
73) Bromobenzene	12.862	156	238087	19.681	ug/l	93
74) n-propylbenzene	12.921	91	1127937	18.714	ug/l	98
75) 2-Chlorotoluene	13.010	91	717341	19.551	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	831772	19.310	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	79458	17.449	ug/l	82
78) 4-Chlorotoluene	13.106	91	657392	18.710	ug/l	95
79) tert-butylbenzene	13.323	119	710665	18.756	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	796438m	18.954	ug/l	
81) sec-Butylbenzene	13.503	105	962022	18.146	ug/l	100
82) p-Isopropyltoluene	13.616	119	761289	17.997	ug/l	99
83) 1,3-Dichlorobenzene	13.618	146	393518	19.026	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	368093	18.344	ug/l	98
85) n-Butylbenzene	13.943	91	567095	16.063	ug/l	99
86) Hexachloroethane	14.211	117	127077	18.152	ug/l	90
87) 1,2-Dichlorobenzene	13.991	146	389041	19.489	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	59910	19.763	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	155520	16.249	ug/l	97
90) Hexachlorobutadiene	15.370	225	98022	18.938	ug/l	98
91) Naphthalene	15.507	128	386266	14.009	ug/l	99
92) 1,2,3-Trichlorobenzene	15.700	180	156634	16.647	ug/l	99

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

Manual Integrations APPROVED

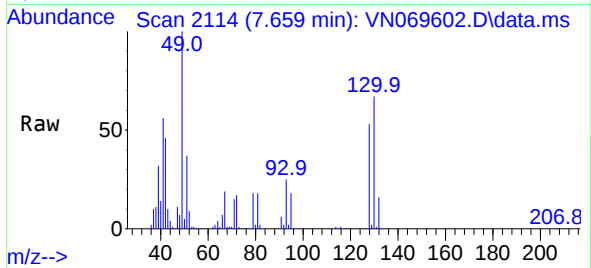
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QLast Update : Wed Nov 10 14:36:17 2021
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

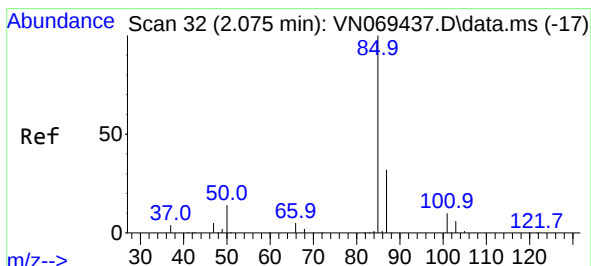
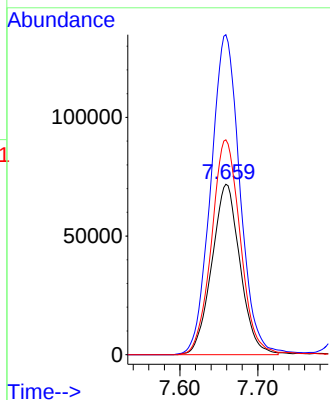
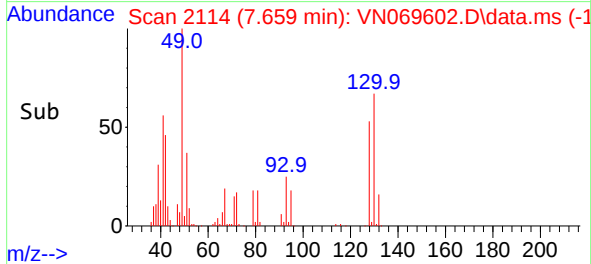
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



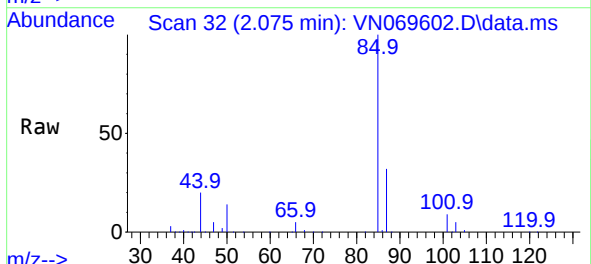
Tgt Ion:128 Resp: 180884
Ion Ratio Lower Upper
128 100
49 193.9 0.0 392.3
130 128.2 0.0 320.2

Manual Integrations
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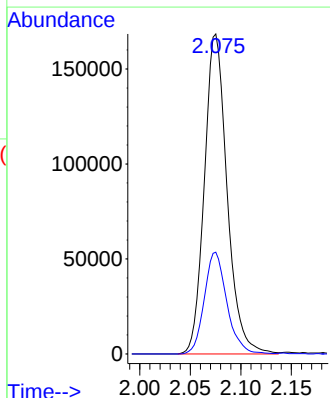
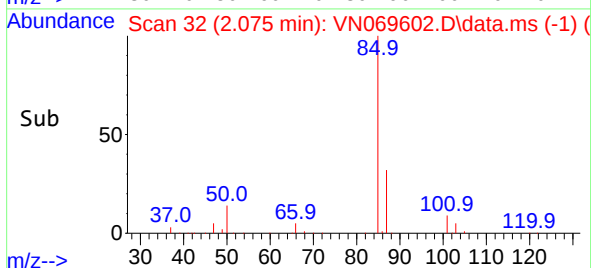
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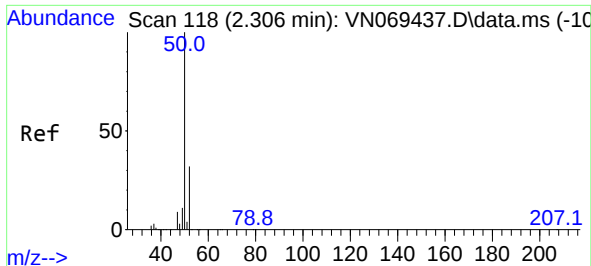


#2
Dichlorodifluoromethane
Concen: 19.769 ug/l
RT: 2.075 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



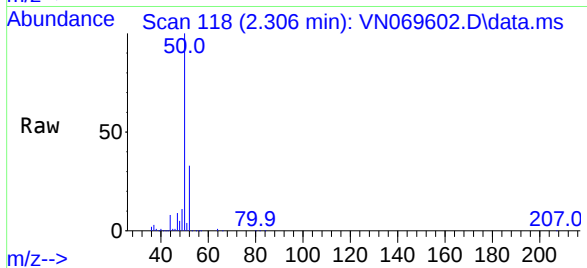
Tgt Ion: 85 Resp: 264239
Ion Ratio Lower Upper
85 100
87 31.8 16.6 49.7





#3
Chloromethane
Concen: 20.693 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

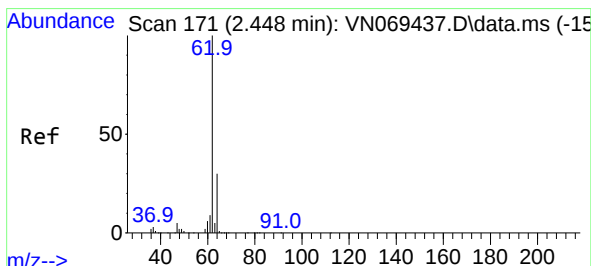
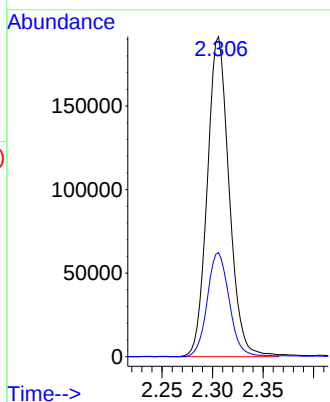
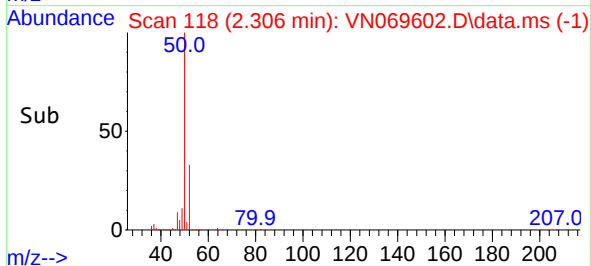
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



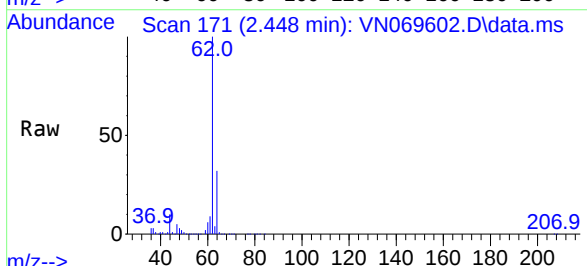
Tgt Ion: 50 Resp: 288379
Ion Ratio Lower Upper
50 100
52 32.5 27.8 41.6

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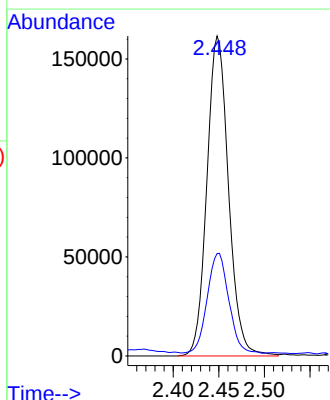
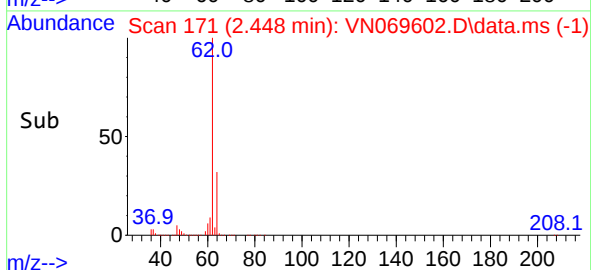
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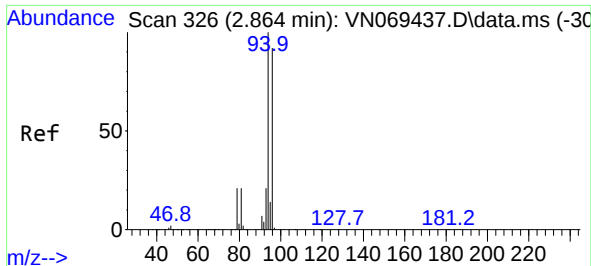


#4
Vinyl Chloride
Concen: 18.866 ug/l
RT: 2.448 min Scan# 171
Delta R.T. 0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



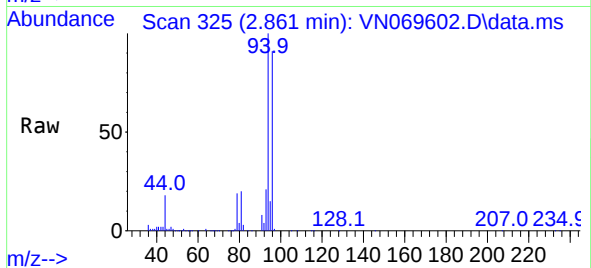
Tgt Ion: 62 Resp: 266595
Ion Ratio Lower Upper
62 100
64 31.0 25.1 37.7





#5
Bromomethane
Concen: 17.840 ug/l
RT: 2.861 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

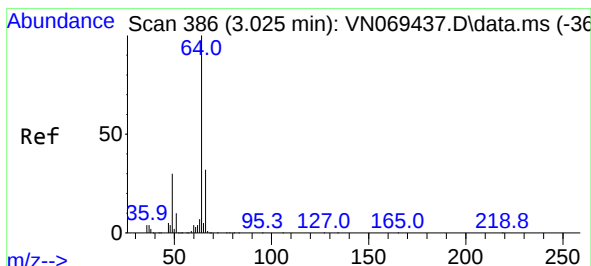
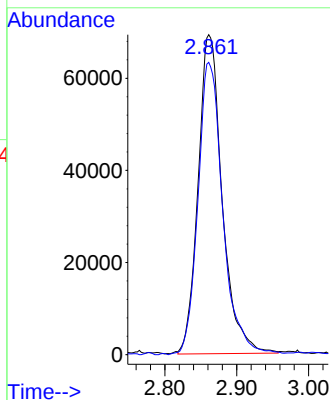
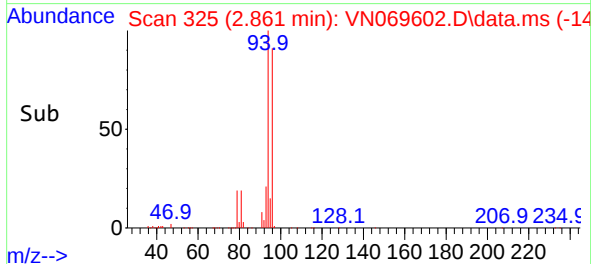
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



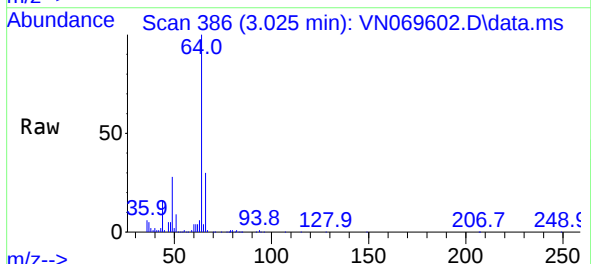
Tgt Ion: 94 Resp: 16145
Ion Ratio Lower Upper
94 100
96 91.4 75.2 112.8

Manual Integrations
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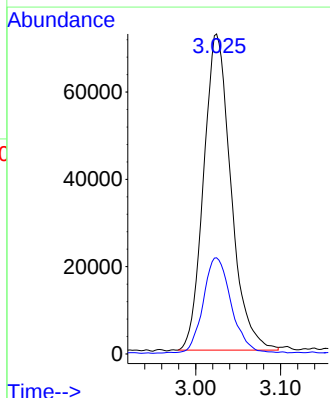
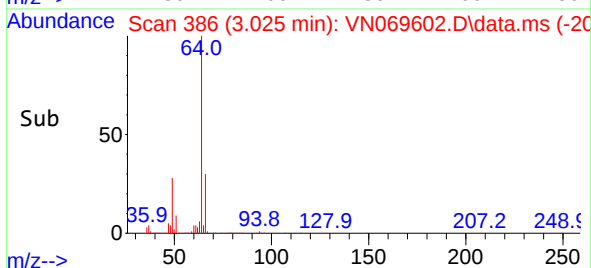
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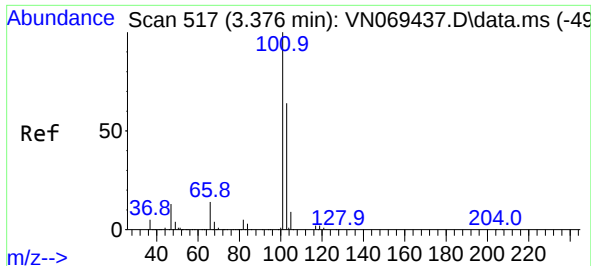


#6
Chloroethane
Concen: 18.178 ug/l
RT: 3.025 min Scan# 386
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



Tgt Ion: 64 Resp: 162063
Ion Ratio Lower Upper
64 100
66 29.9 24.6 36.8





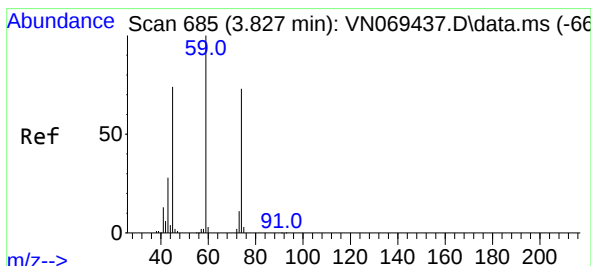
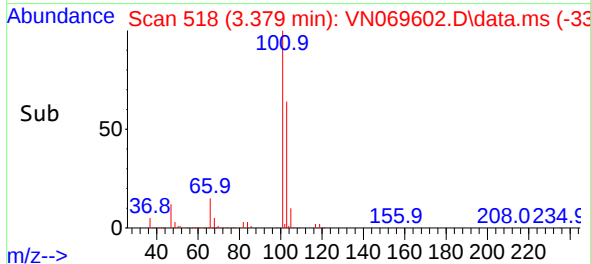
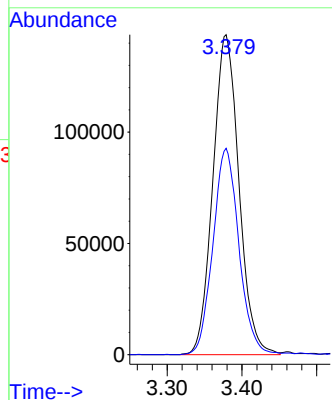
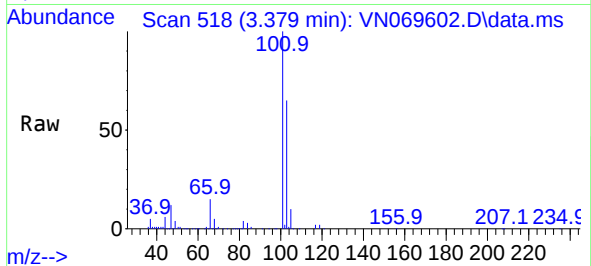
#7
Trichlorofluoromethane
Concen: 16.815 ug/l
RT: 3.379 min Scan# 517
Delta R.T. 0.000 min
Lab File: VN069602.D
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Instrument :
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Tgt Ion:101 Resp: 348260
Ion Ratio Lower Upper
101 100
103 64.5 50.1 75.1

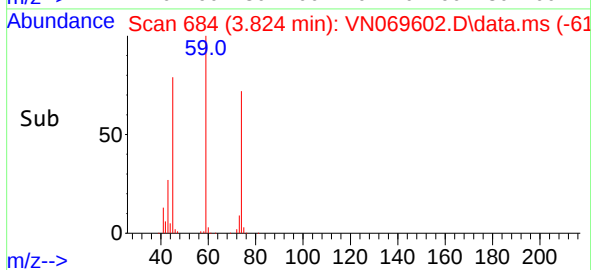
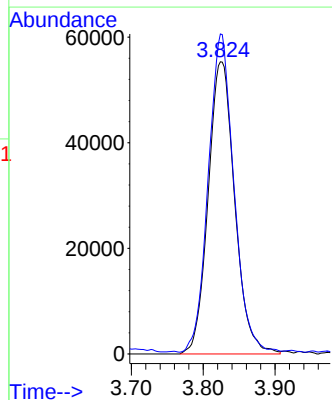
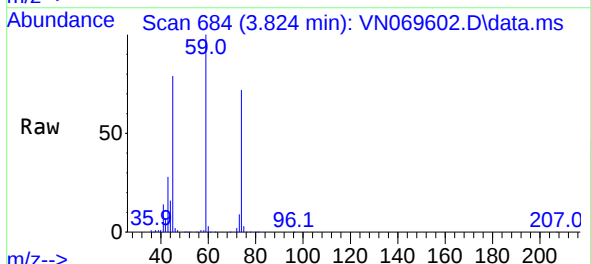
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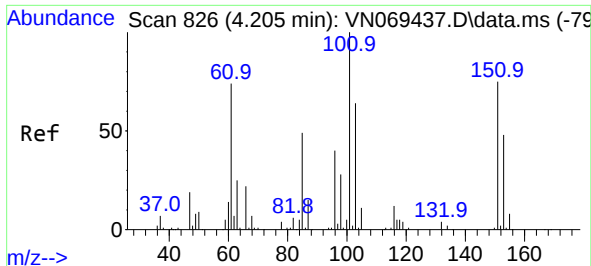
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#8
Diethyl Ether
Concen: 21.731 ug/l
RT: 3.824 min Scan# 684
Delta R.T. -0.005 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Tgt Ion: 74 Resp: 142077
Ion Ratio Lower Upper
74 100
45 104.3 17.6 158.8





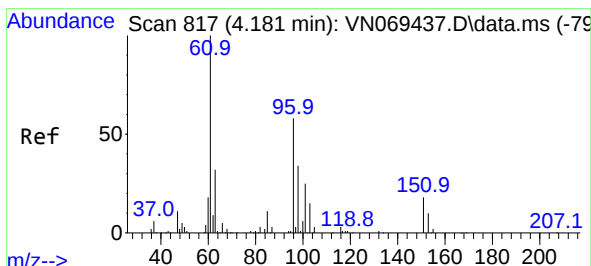
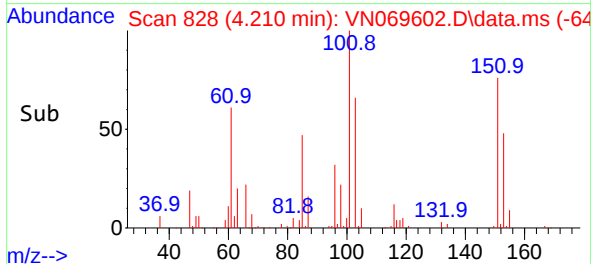
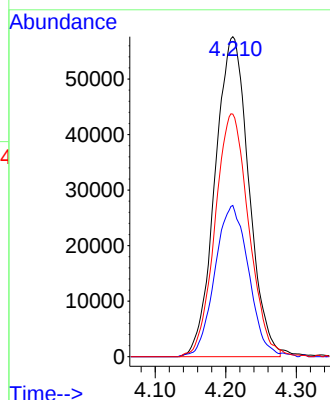
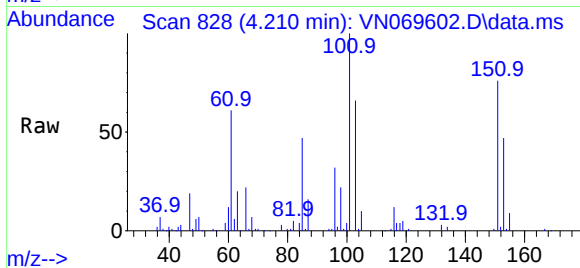
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.941 ug/l
RT: 4.210 min Scan# 811
Delta R.T. -0.011 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
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Tgt Ion:101 Resp: 191119
Ion Ratio Lower Upper
101 100
85 47.3 0.0 94.0
151 76.3 0.0 74.6

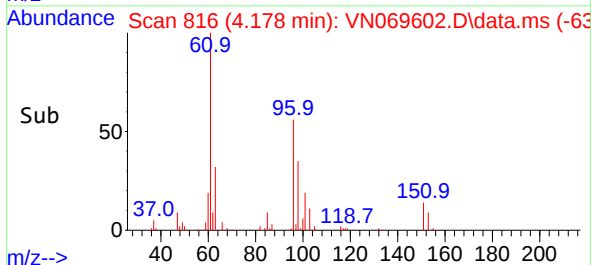
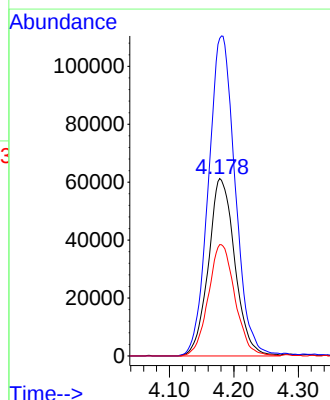
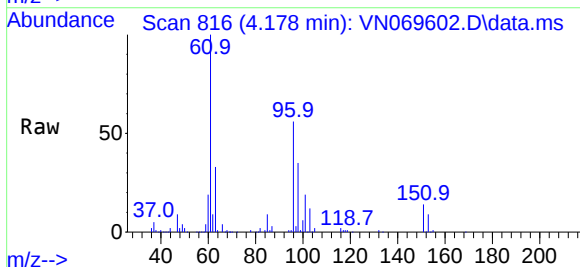
Manual Integrations
APPROVED

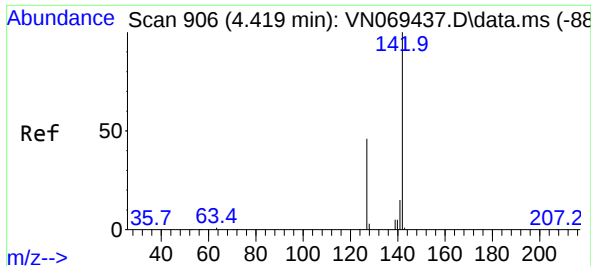
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#10
1,1-Dichloroethene
Concen: 19.303 ug/l
RT: 4.178 min Scan# 816
Delta R.T. -0.013 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

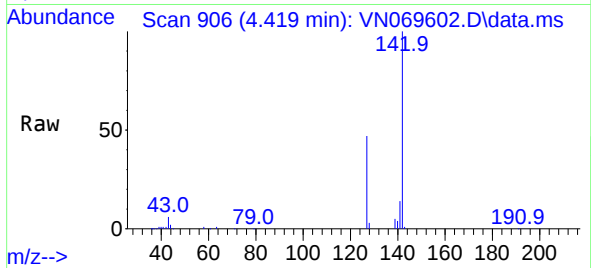
Tgt Ion: 96 Resp: 174488
Ion Ratio Lower Upper
96 100
61 178.4 126.2 189.4
98 62.8 50.9 76.3





#11
Methyl Iodide
Concen: 20.792 ug/l
RT: 4.419 min Scan# 906
Delta R.T. -0.011 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

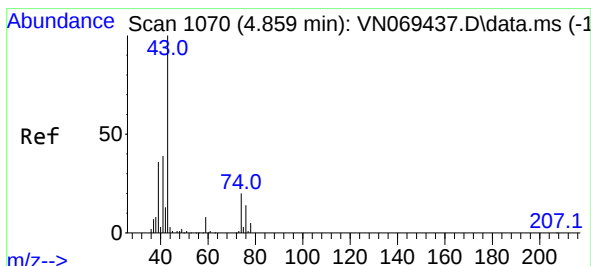
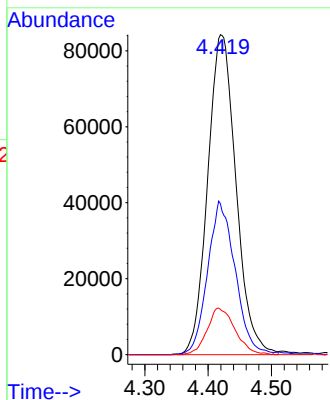
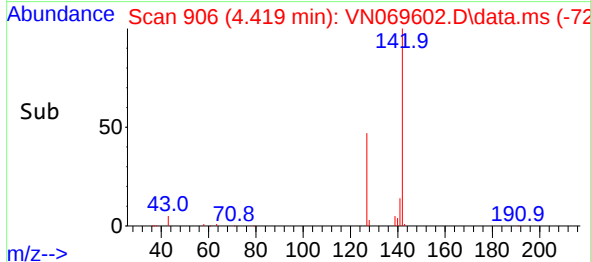
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



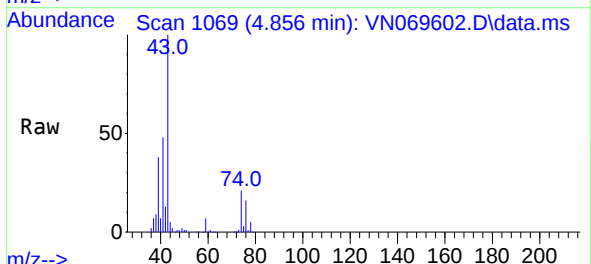
Tgt Ion:142 Resp: 26186
Ion Ratio Lower Upper
142 100
127 46.8 24.0 72.0
141 14.2 8.4 25.2

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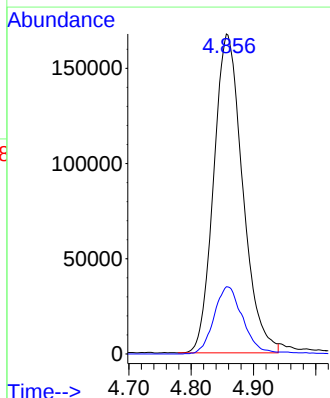
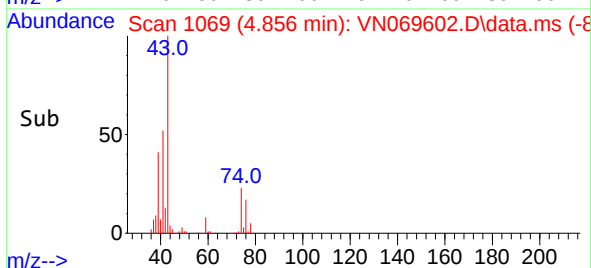
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

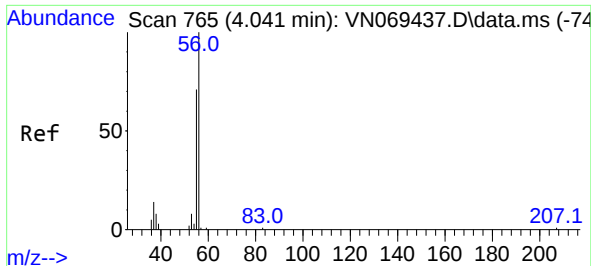


#12
Methyl Acetate
Concen: 20.771 ug/l
RT: 4.856 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



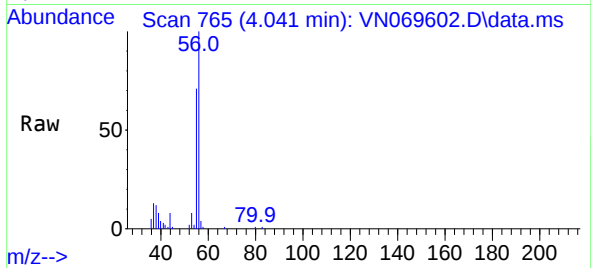
Tgt Ion: 43 Resp: 540734
Ion Ratio Lower Upper
43 100
74 21.1 20.8 31.2





#13
Acrolein
Concen: 112.761 ug/l
RT: 4.041 min Scan# 765
Delta R.T. -0.005 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

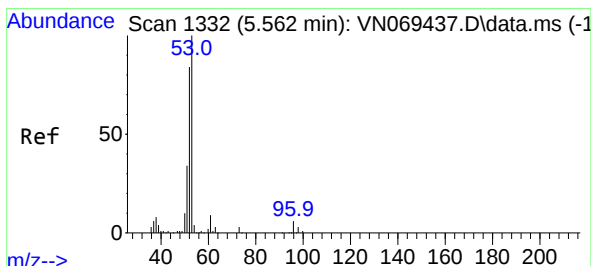
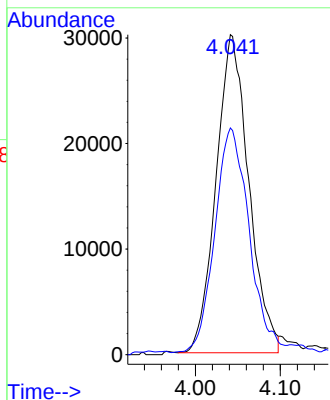
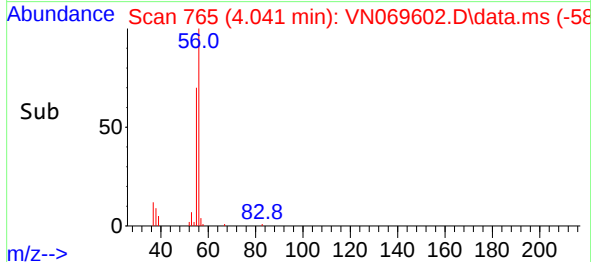
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



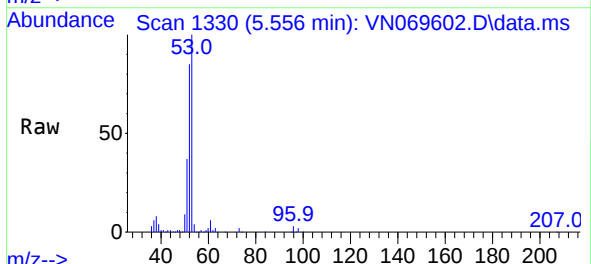
Tgt Ion: 56 Resp: 80709
Ion Ratio Lower Upper
56 100
55 72.2 57.6 86.4

Manual Integrations
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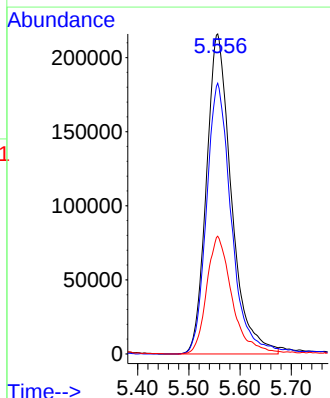
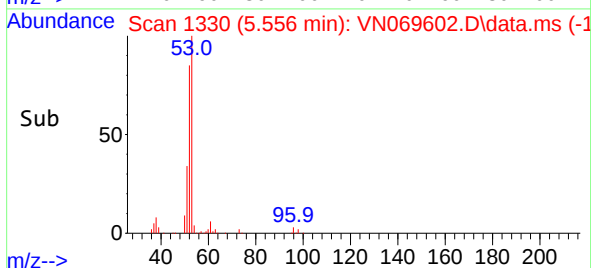
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

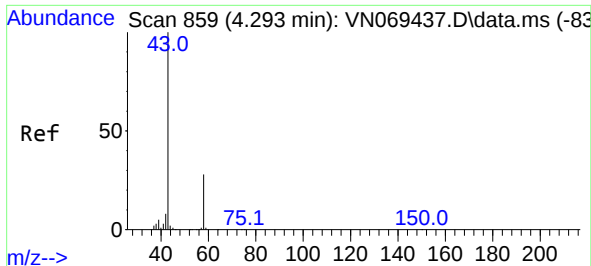


#14
Acrylonitrile
Concen: 102.990 ug/l
RT: 5.556 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



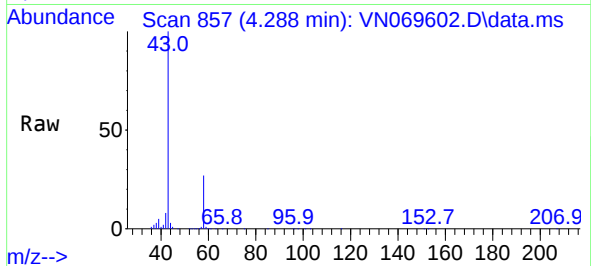
Tgt Ion: 53 Resp: 731471
Ion Ratio Lower Upper
53 100
52 83.2 41.8 125.4
51 37.5 19.0 57.0





#15
Acetone
Concen: 124.159 ug/l
RT: 4.288 min Scan# 859
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

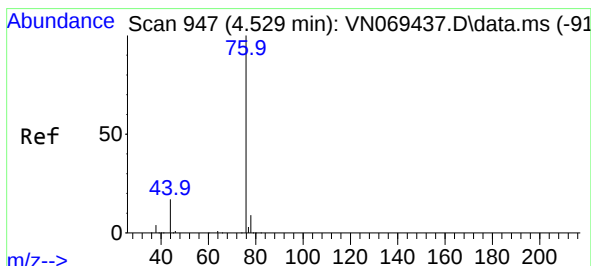
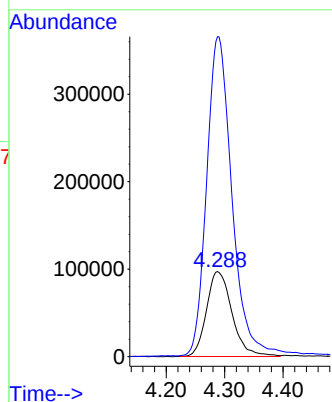
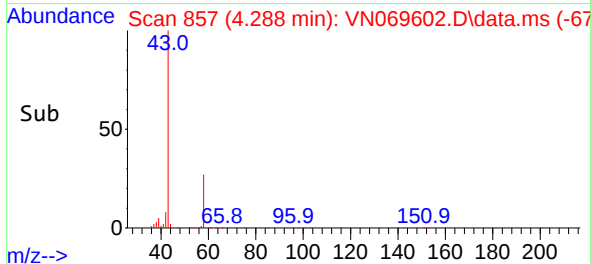
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC020



Tgt Ion: 58 Resp: 29383
Ion Ratio Lower Upper
58 100
43 375.8 256.6 384.8

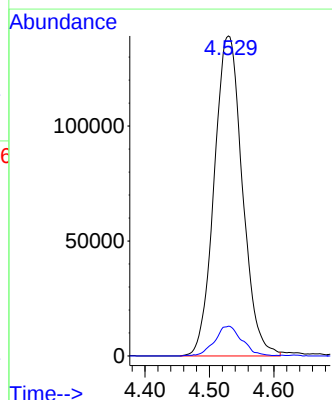
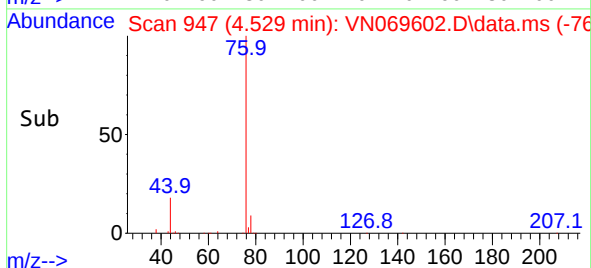
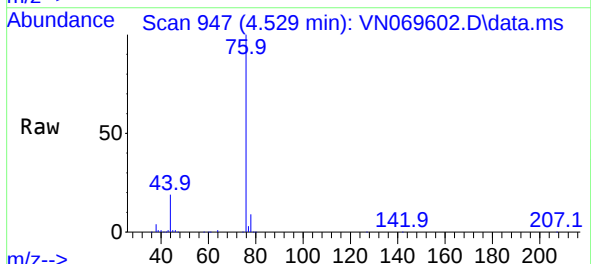
Manual Integrations
APPROVED

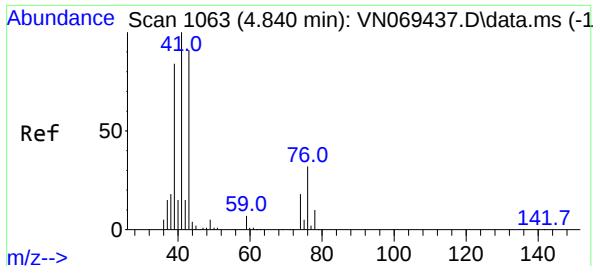
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#16
Carbon Disulfide
Concen: 18.734 ug/l
RT: 4.529 min Scan# 947
Delta R.T. -0.008 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

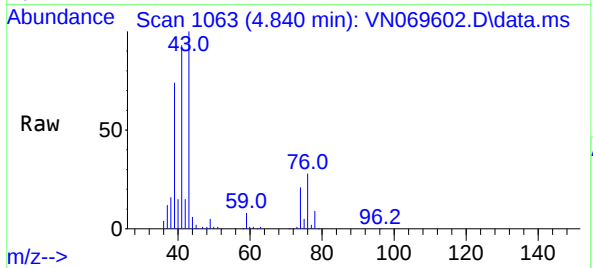
Tgt Ion: 76 Resp: 423288
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.8





#17
 Allyl chloride
 Concen: 20.351 ug/l
 RT: 4.840 min Scan# 1063
 Delta R.T. -0.005 min
 Lab File: VN069602.D
 Acq: 22 Nov 2021 11:20

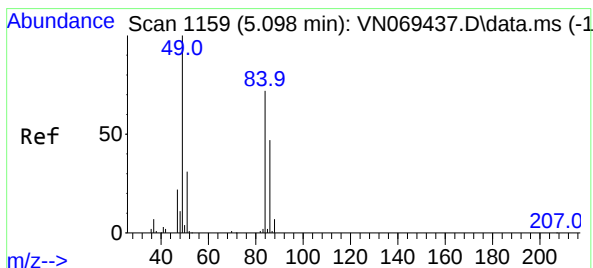
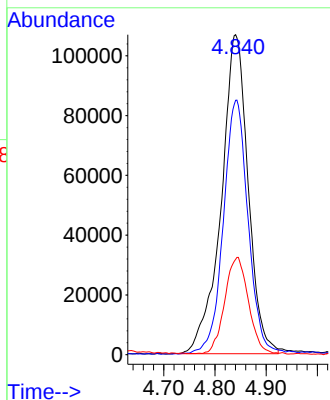
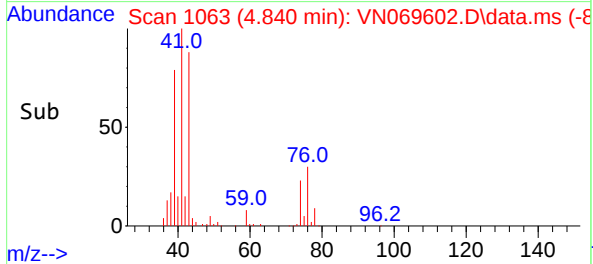
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



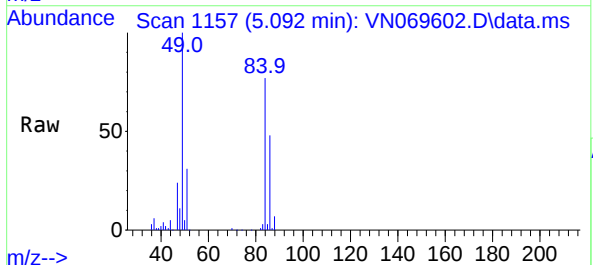
Tgt Ion: 41 Resp: 390992
 Ion Ratio Lower Upper
 41 100
 39 79.5 44.6 134.0
 76 29.5 19.6 58.7

Manual Integrations
 APPROVED

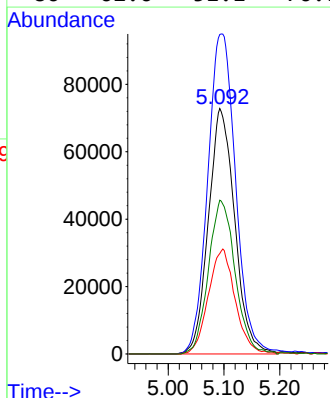
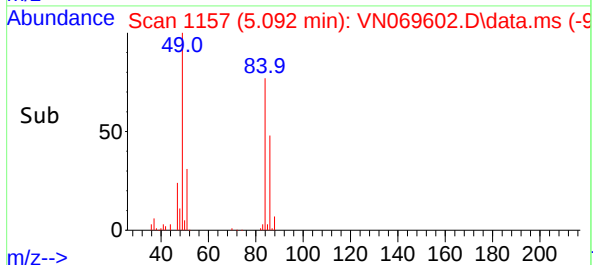
Reviewed By :John Carlone 11/23/2021
 Supervised By :Mahesh Dadoda 11/23/2021

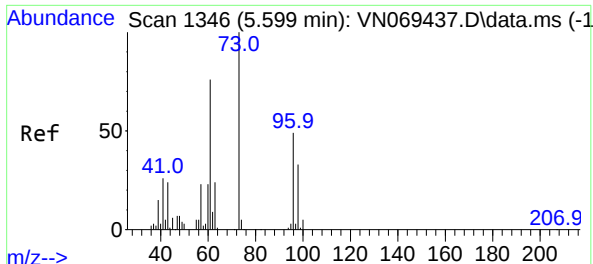


#18
 Methylene Chloride
 Concen: 20.741 ug/l
 RT: 5.092 min Scan# 1157
 Delta R.T. -0.008 min
 Lab File: VN069602.D
 Acq: 22 Nov 2021 11:20



Tgt Ion: 84 Resp: 238846
 Ion Ratio Lower Upper
 84 100
 49 129.9 91.4 137.0
 51 40.9 29.4 44.0
 86 62.6 51.1 76.7





#19

trans-1,2-Dichloroethene

Concen: 19.258 ug/l

RT: 5.599 min Scan# 11

Delta R.T. -0.005 min

Lab File: VN069602.D

Acq: 22 Nov 2021 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 96 Resp: 19103

Ion Ratio Lower Upper

96 100

61 152.9 102.8 154.2

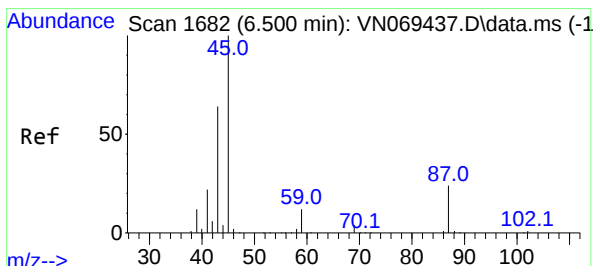
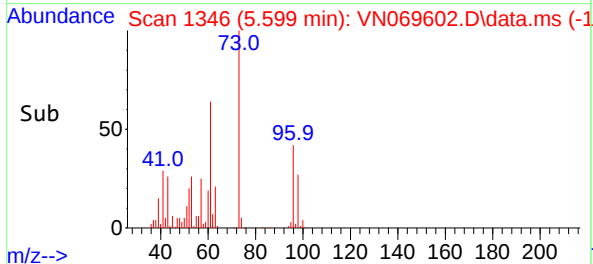
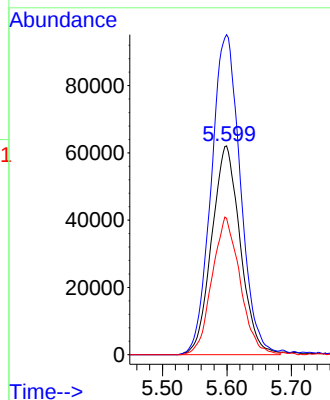
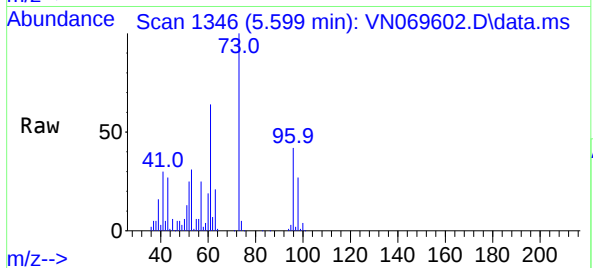
98 65.2 49.3 73.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/23/2021

Supervised By :Mahesh Dadoda 11/23/2021



#20

Diisopropyl ether

Concen: 20.866 ug/l

RT: 6.498 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VN069602.D

Acq: 22 Nov 2021 11:20

Tgt Ion: 45 Resp: 859003

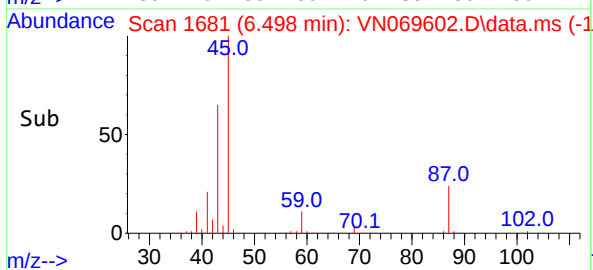
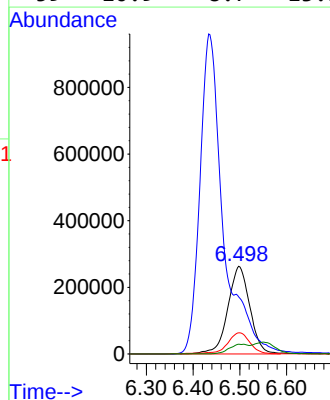
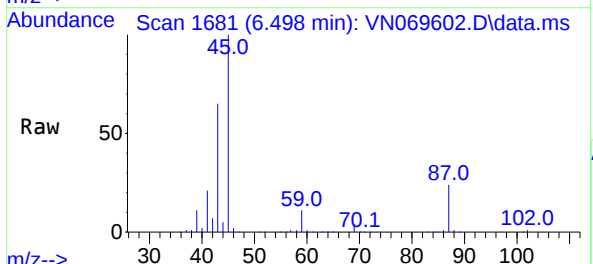
Ion Ratio Lower Upper

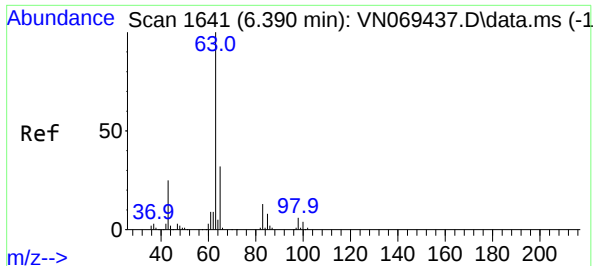
45 100

43 63.8 51.0 76.4

87 24.0 25.0 37.4#

59 10.9 8.7 13.1





#21

1,1-Dichloroethane

Concen: 20.378 ug/l

RT: 6.388 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN069602.D

Acq: 22 Nov 2021 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 42559

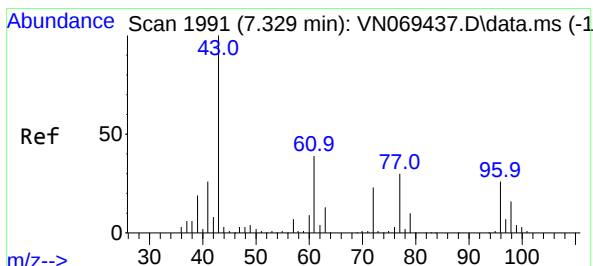
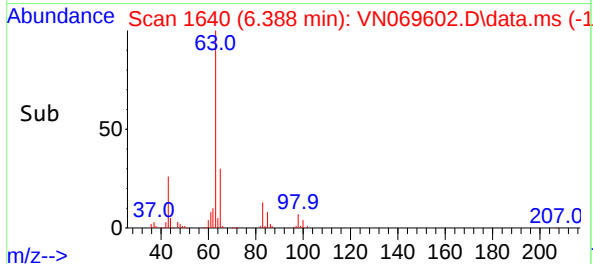
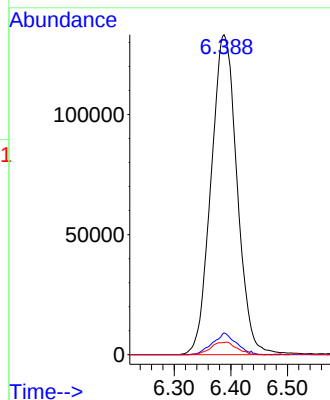
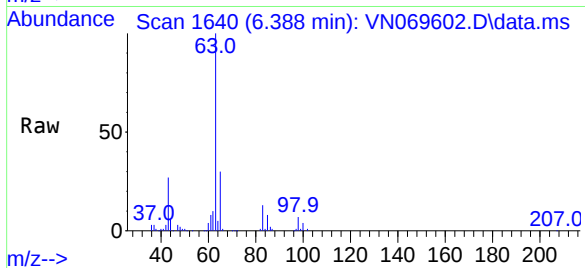
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.2	9.6
100	3.8	2.1	6.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/23/2021

Supervised By :Mahesh Dadoda 11/23/2021



#22

cis-1,2-Dichloroethene

Concen: 19.452 ug/l

RT: 7.327 min Scan# 1990

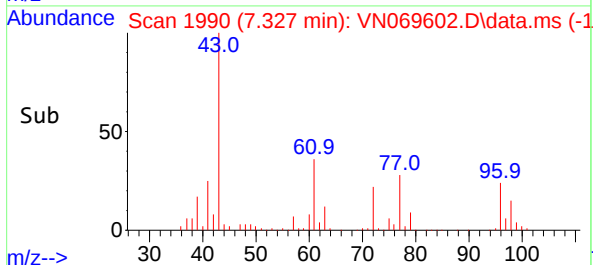
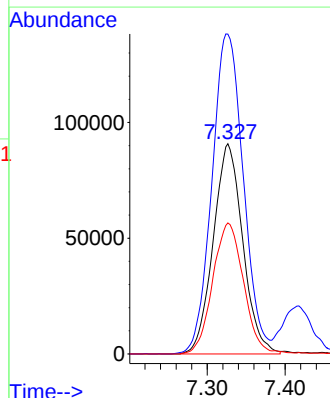
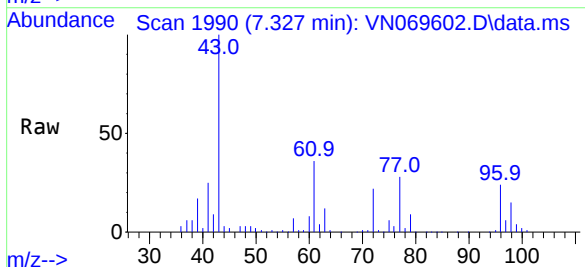
Delta R.T. -0.003 min

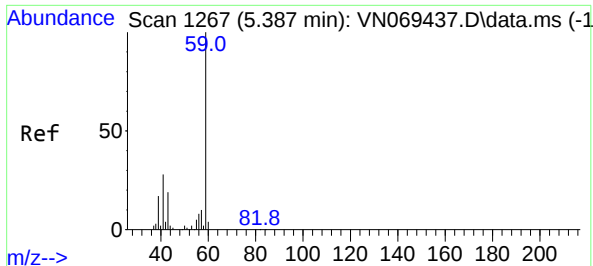
Lab File: VN069602.D

Acq: 22 Nov 2021 11:20

Tgt Ion: 96 Resp: 239317

Ion	Ratio	Lower	Upper
96	100		
61	161.6	115.7	173.5
98	64.5	51.6	77.4





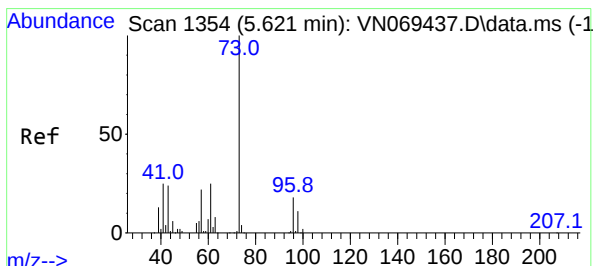
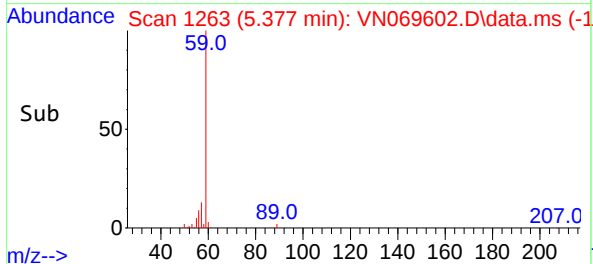
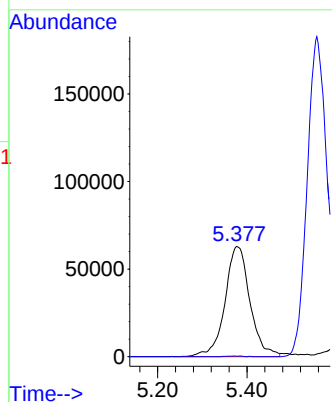
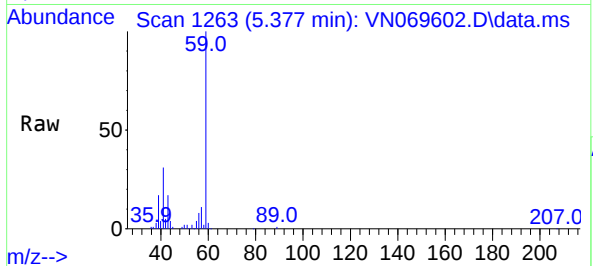
#23
tert-Butyl Alcohol
Concen: 98.873 ug/l m
RT: 5.377 min Scan# 1263
Delta R.T. 0.011 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 244395
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

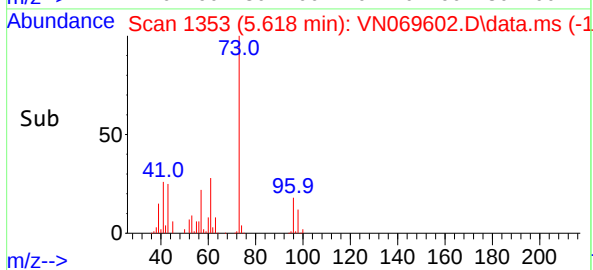
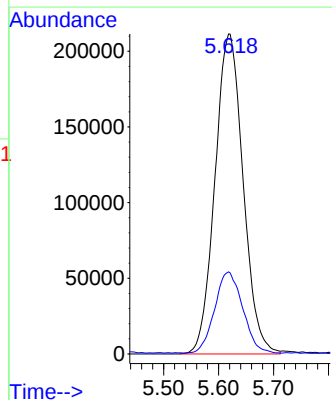
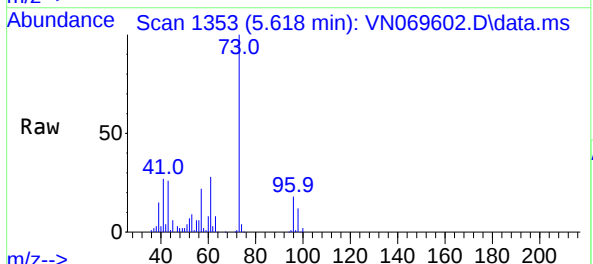
Manual Integrations
APPROVED

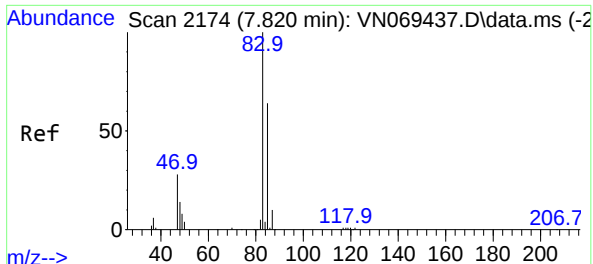
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#24
Methyl tert-Butyl Ether
Concen: 20.743 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Tgt Ion: 73 Resp: 751457
Ion Ratio Lower Upper
73 100
43 25.3 18.1 27.1





#25

Chloroform

Concen: 20.422 ug/l

RT: 7.817 min Scan# 2174

Delta R.T. -0.003 min

Lab File: VN069602.D

Acq: 22 Nov 2021 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 440994

Ion Ratio Lower Upper

83 100

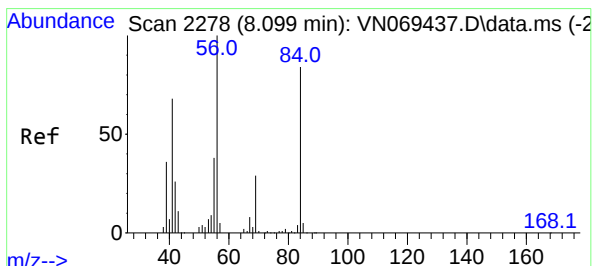
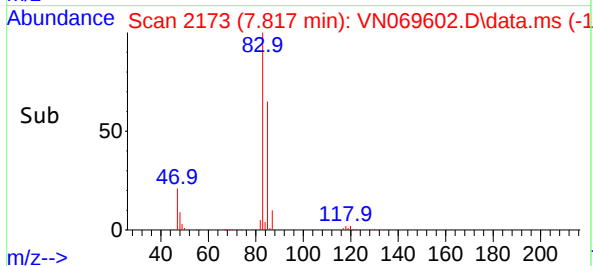
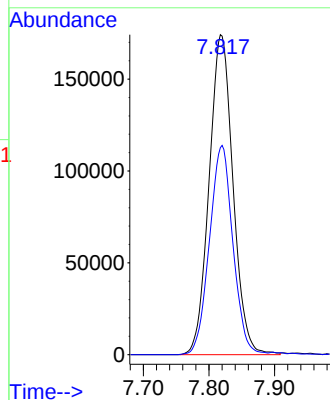
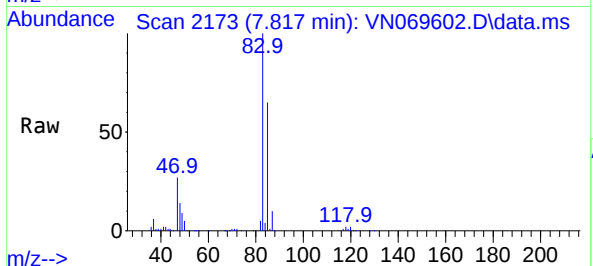
85 64.6 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/23/2021

Supervised By :Mahesh Dadoda 11/23/2021



#26

Cyclohexane

Concen: 18.692 ug/l

RT: 8.094 min Scan# 2276

Delta R.T. -0.005 min

Lab File: VN069602.D

Acq: 22 Nov 2021 11:20

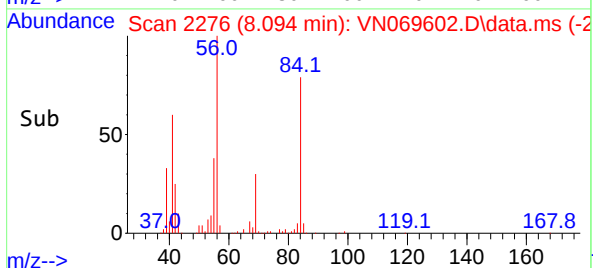
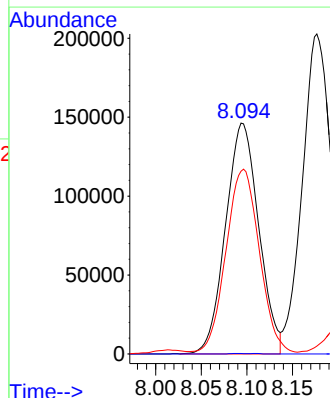
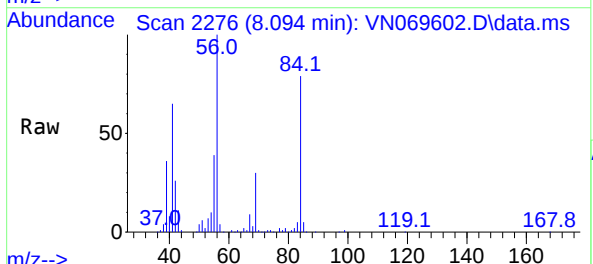
Tgt Ion: 56 Resp: 370642

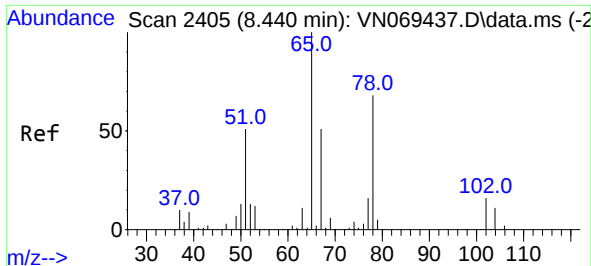
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

84 81.0 74.6 111.8





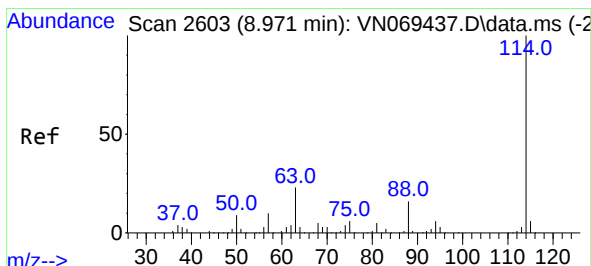
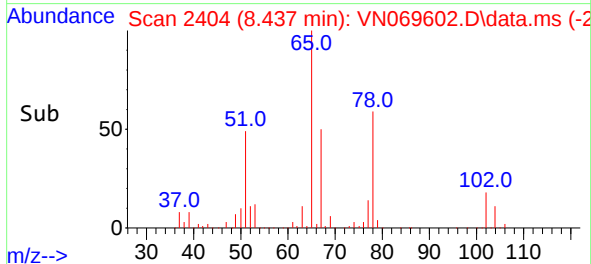
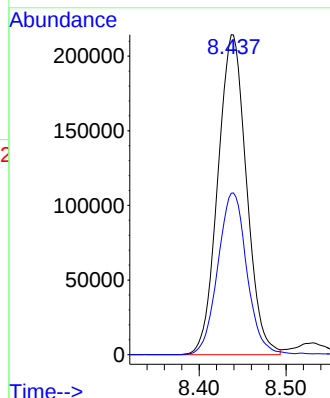
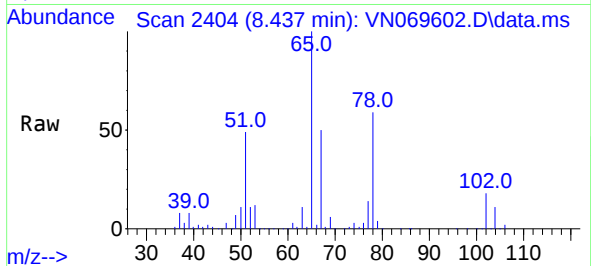
#27
1,2-Dichloroethane-d4
Concen: 31.235 ug/l
RT: 8.437 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 65 Resp: 489998
Ion Ratio Lower Upper
65 100
67 51.3 40.2 60.2

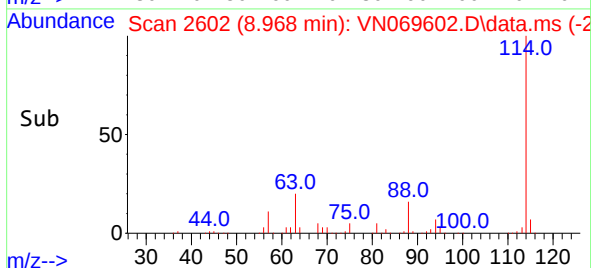
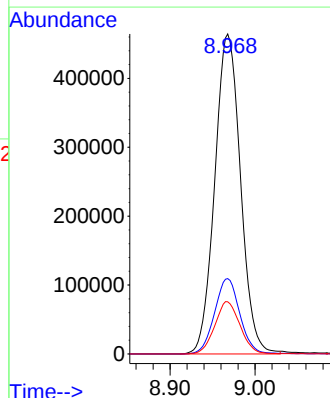
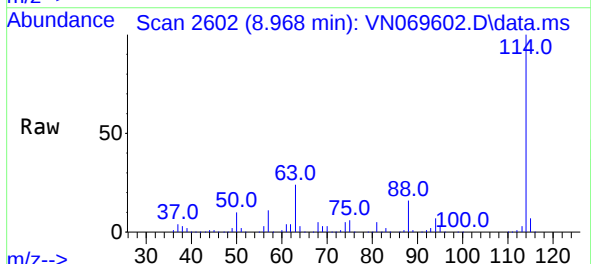
Manual Integrations
APPROVED

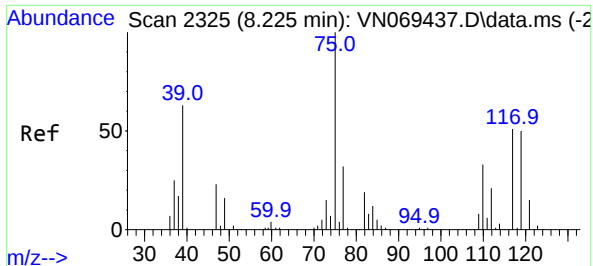
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Tgt Ion:114 Resp: 978380
Ion Ratio Lower Upper
114 100
63 23.1 15.8 23.6
88 16.1 11.6 17.4





#29
1,1-Dichloropropene
Concen: 19.716 ug/l
RT: 8.220 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :

MSVOA_N

ClientSampleId :

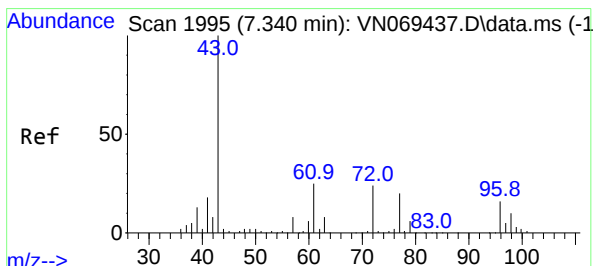
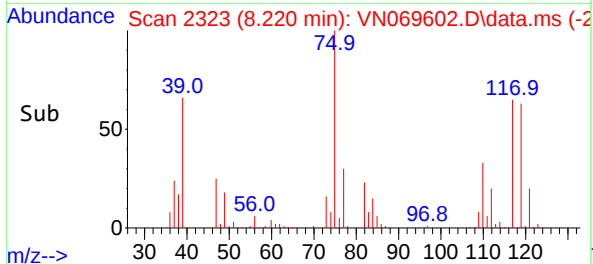
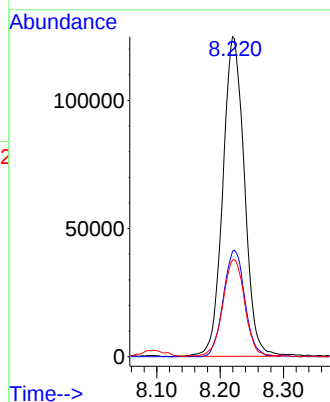
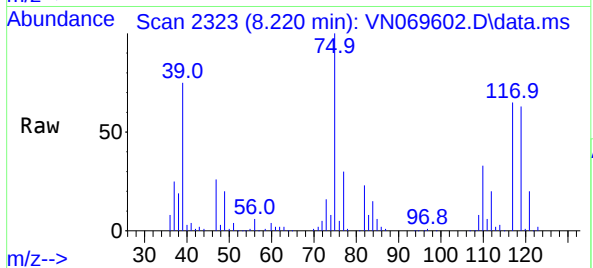
VSTDCCC020

Tgt Ion: 75 Resp: 294459
Ion Ratio Lower Upper
75 100
110 33.1 0.0 74.2
77 30.7 0.0 63.2

Manual Integrations

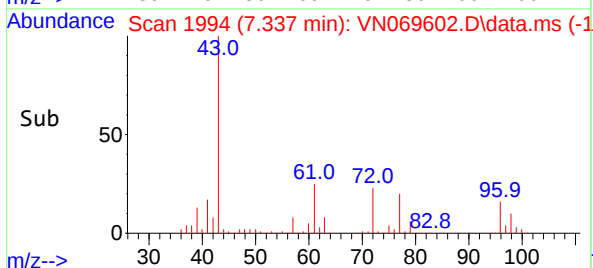
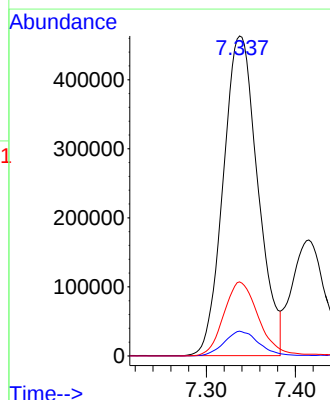
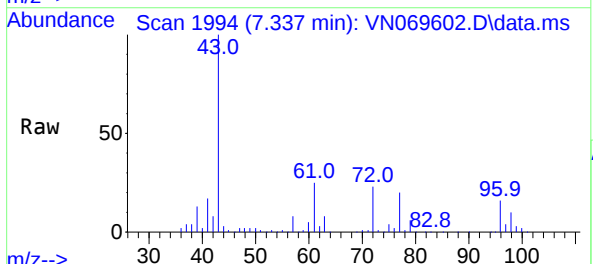
APPROVED

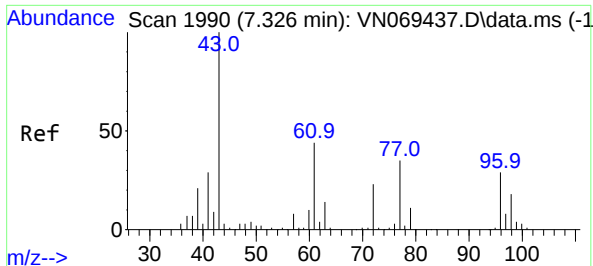
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#30
2-Butanone
Concen: 115.700 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Tgt Ion: 43 Resp: 1250754
Ion Ratio Lower Upper
43 100
57 7.8 6.7 10.1
72 23.3 23.2 34.8





#31
2,2-Dichloropropane
Concen: 20.000 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :

MSVOA_N

ClientSampleId :

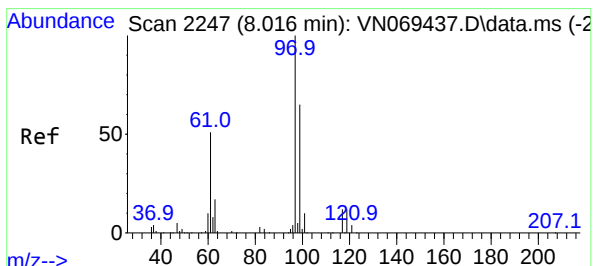
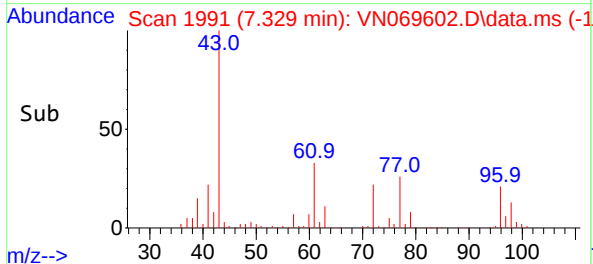
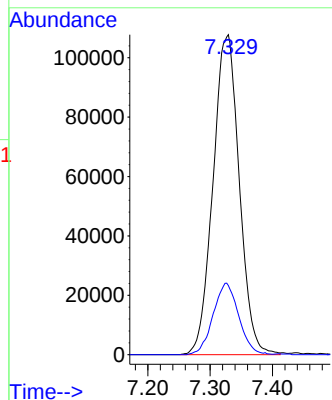
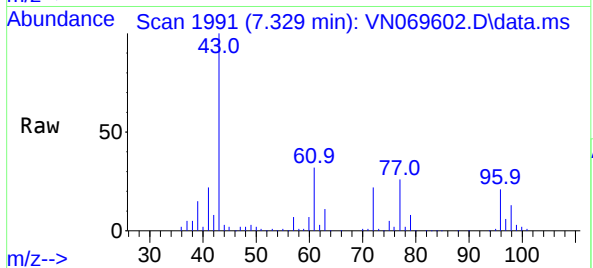
VSTDCCC020

Tgt Ion: 77 Resp: 31578
Ion Ratio Lower Upper
77 100
97 21.7 18.3 27.5

Manual Integrations

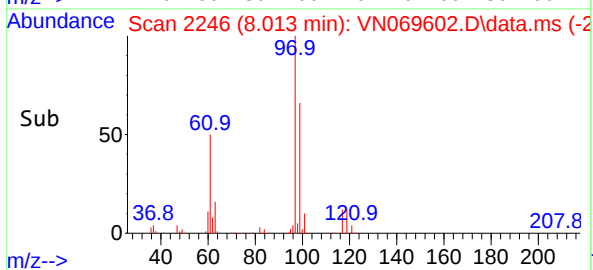
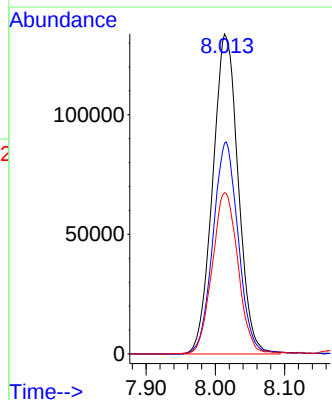
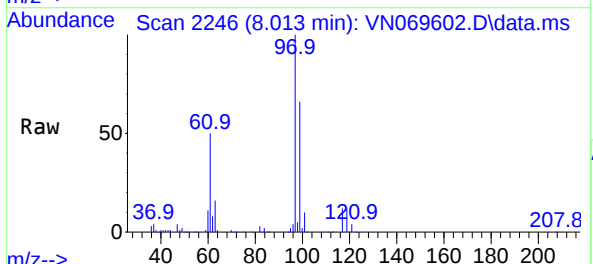
APPROVED

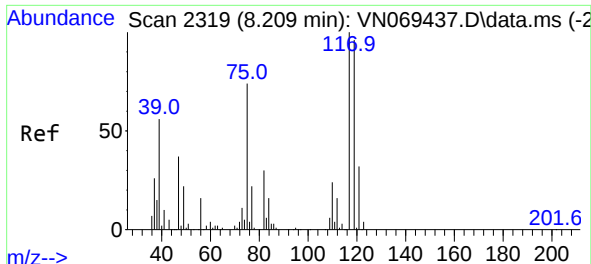
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#32
1,1,1-Trichloroethane
Concen: 19.640 ug/l
RT: 8.013 min Scan# 2246
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

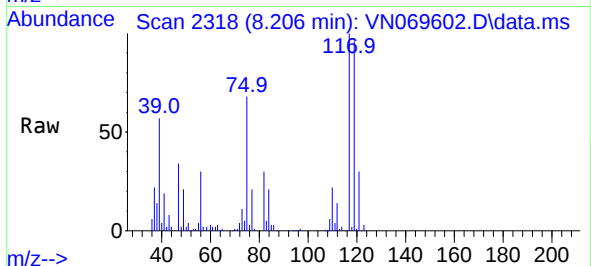
Tgt Ion: 97 Resp: 342431
Ion Ratio Lower Upper
97 100
99 65.4 50.4 75.6
61 50.5 34.6 51.8





#33
Carbon Tetrachloride
Concen: 19.755 ug/l
RT: 8.206 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

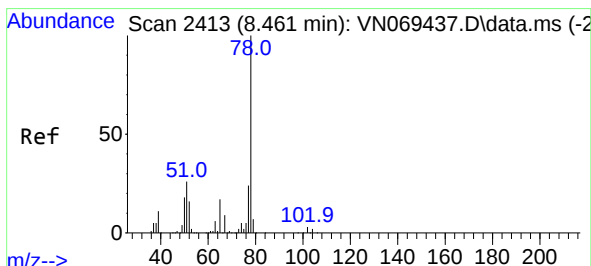
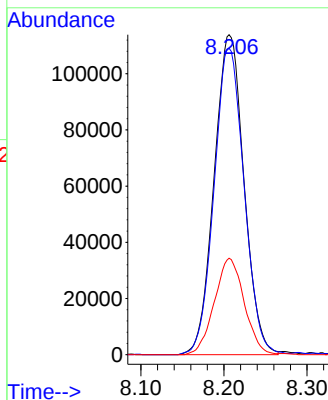
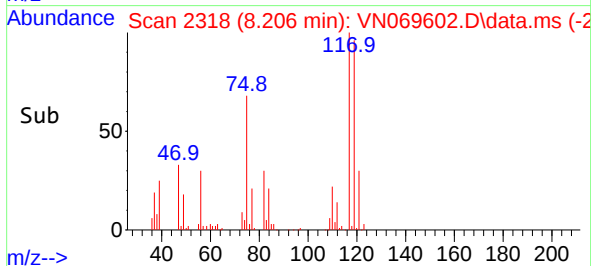
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 284478
Ion Ratio Lower Upper
117 100
119 95.8 77.5 116.3
121 30.1 23.5 35.3

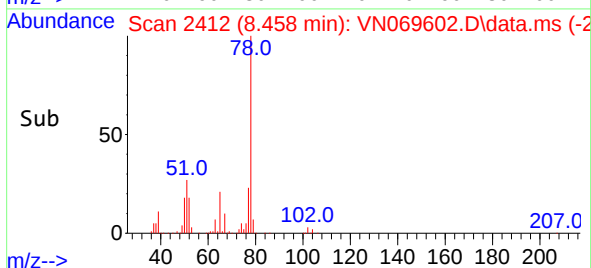
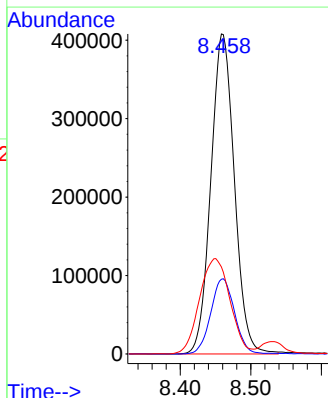
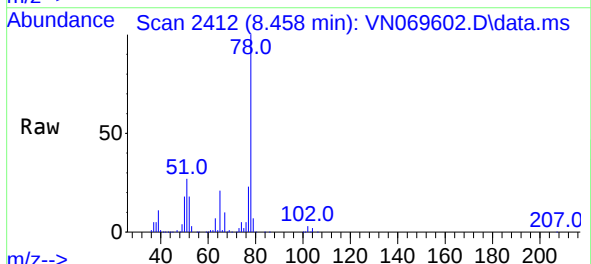
Manual Integrations
APPROVED

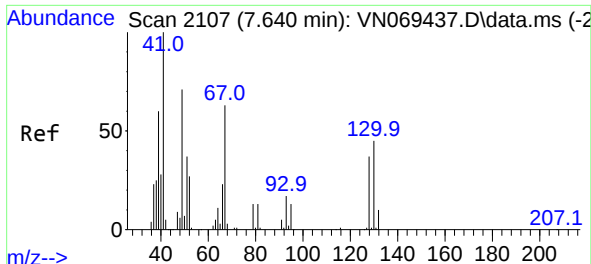
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#34
Benzene
Concen: 20.825 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

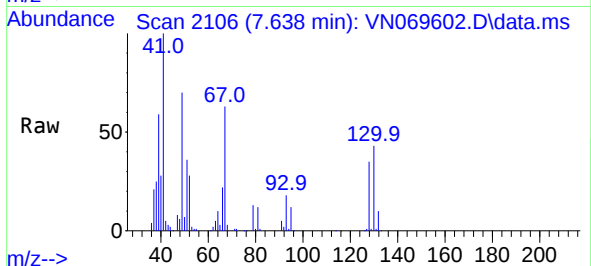
Tgt Ion: 78 Resp: 945834
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7
51 26.7 16.0 24.0#





#35
Methacrylonitrile
Concen: 21.541 ug/l
RT: 7.638 min Scan# 2106
Delta R.T. 0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

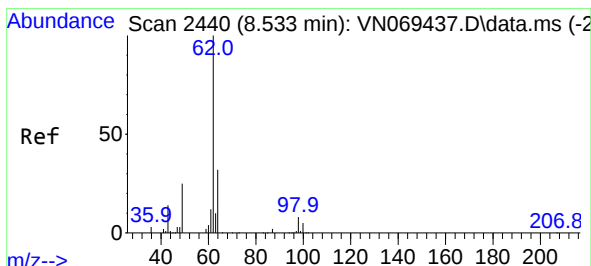
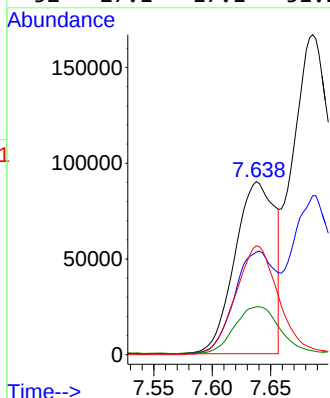
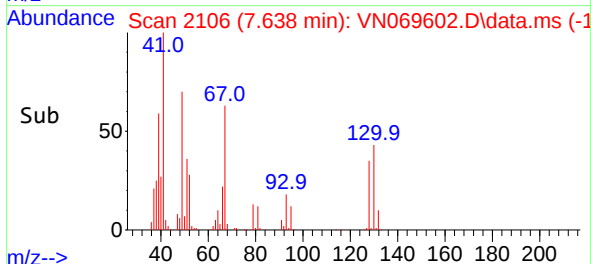
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 41 Resp: 21357
Ion Ratio Lower Upper
41 100
39 58.9 28.0 83.9
67 63.2 37.7 113.1
52 27.1 17.1 51.2

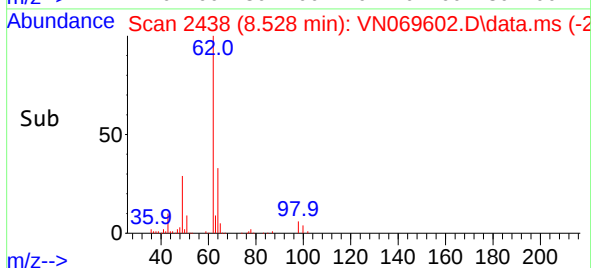
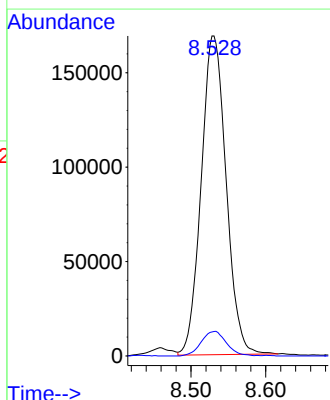
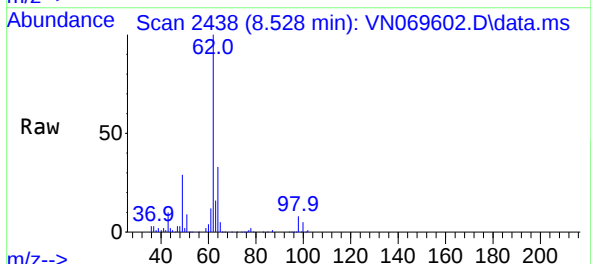
Manual Integrations
APPROVED

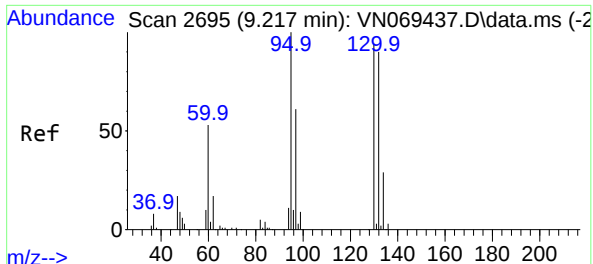
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#36
1,2-Dichloroethane
Concen: 22.334 ug/l
RT: 8.528 min Scan# 2438
Delta R.T. -0.005 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Tgt Ion: 62 Resp: 391061
Ion Ratio Lower Upper
62 100
98 7.8 6.6 10.0





#37

Trichloroethene

Concen: 20.083 ug/l

RT: 9.215 min Scan# 2

Delta R.T. -0.003 min

Lab File: VN069602.D

Acq: 22 Nov 2021 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 220360

Ion Ratio Lower Upper

130 100

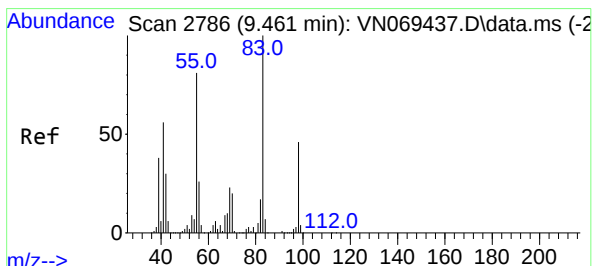
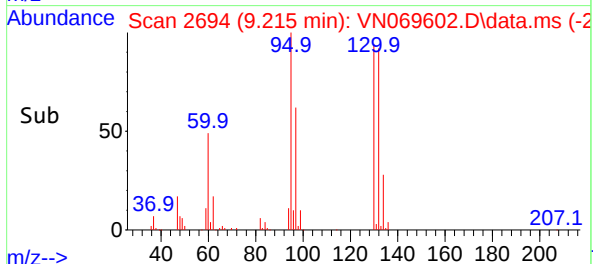
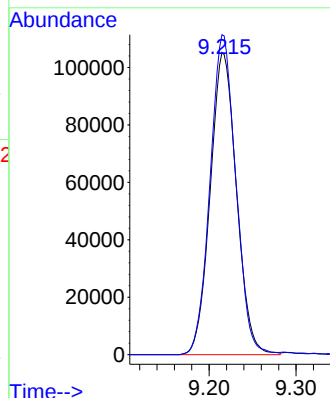
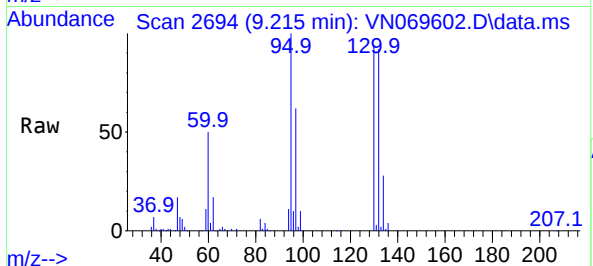
95 105.9 76.6 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/23/2021

Supervised By :Mahesh Dadoda 11/23/2021



#38

Methylcyclohexane

Concen: 19.340 ug/l

RT: 9.459 min Scan# 2785

Delta R.T. -0.003 min

Lab File: VN069602.D

Acq: 22 Nov 2021 11:20

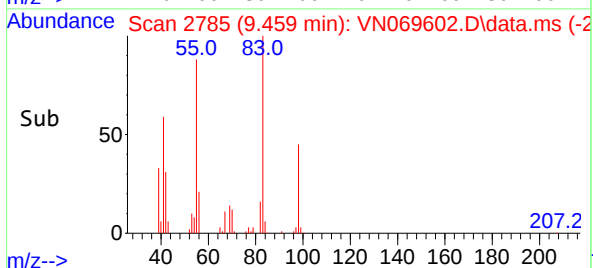
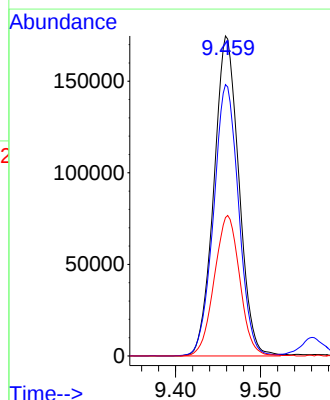
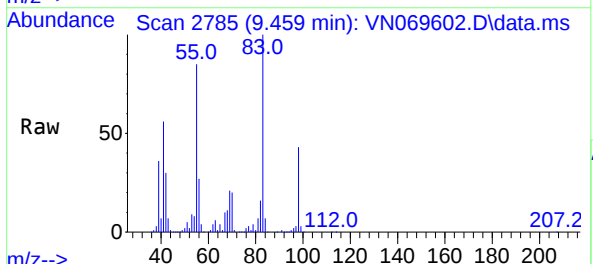
Tgt Ion: 83 Resp: 357353

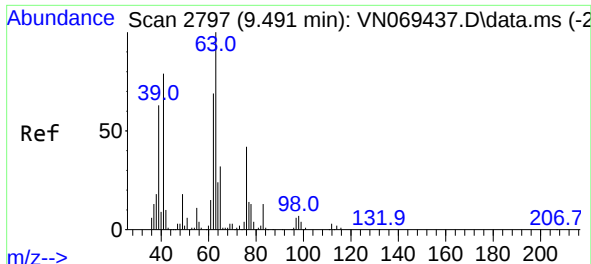
Ion Ratio Lower Upper

83 100

55 85.0 35.1 105.3

98 44.8 23.4 70.2





#39
1,2-Dichloropropane
Concen: 21.262 ug/l
RT: 9.491 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :

MSVOA_N

ClientSampleId :

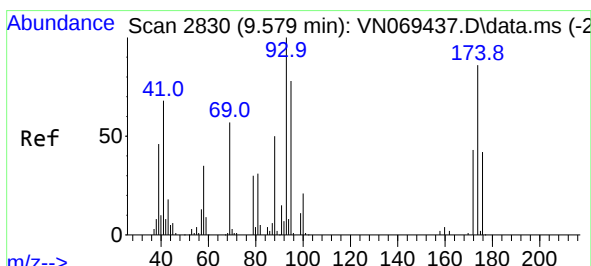
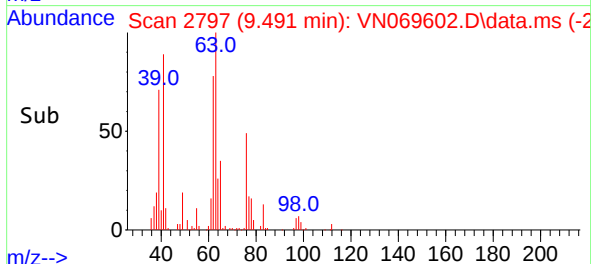
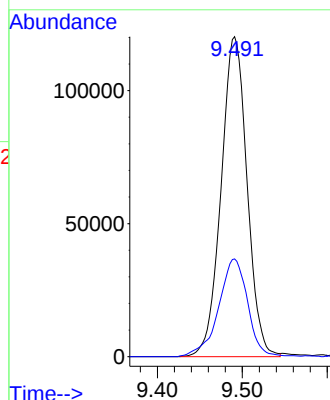
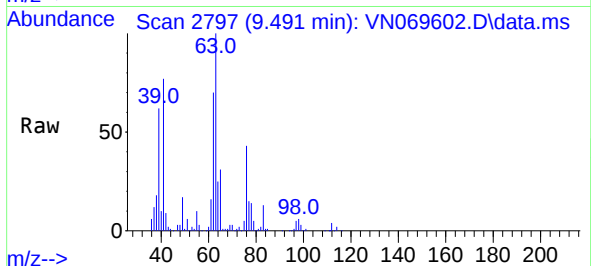
VSTDCCC020

Tgt Ion: 63 Resp: 25575
Ion Ratio Lower Upper
63 100
65 30.3 24.2 36.4

Manual Integrations

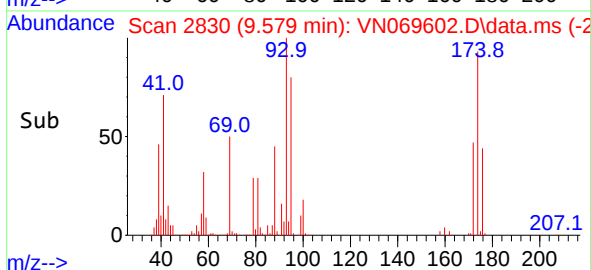
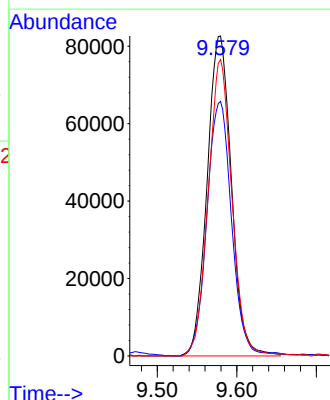
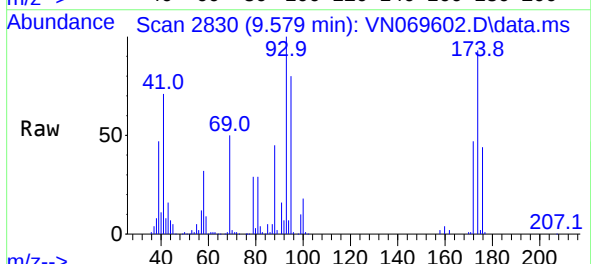
APPROVED

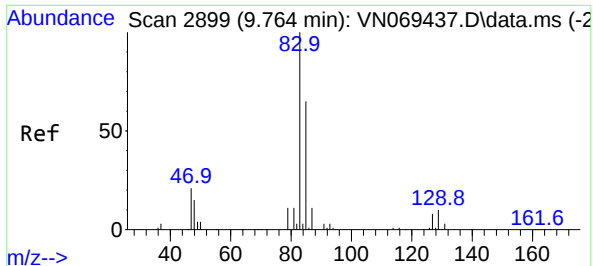
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#40
Dibromomethane
Concen: 21.760 ug/l
RT: 9.579 min Scan# 2830
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

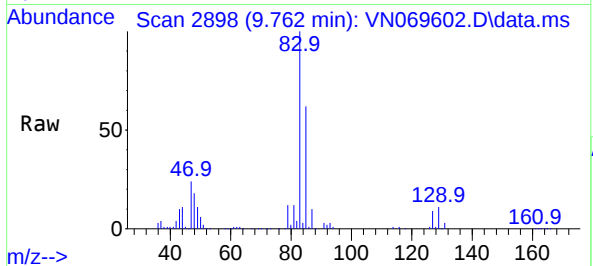
Tgt Ion: 93 Resp: 175296
Ion Ratio Lower Upper
93 100
95 80.5 0.0 168.8
174 90.3 0.0 173.6





#41
Bromodichloromethane
Concen: 21.137 ug/l
RT: 9.762 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

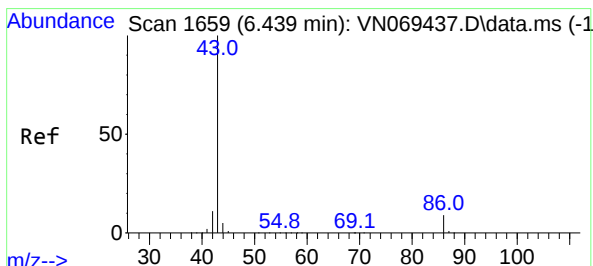
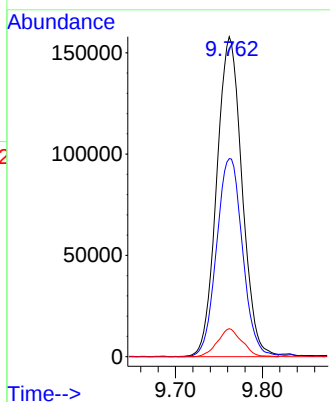
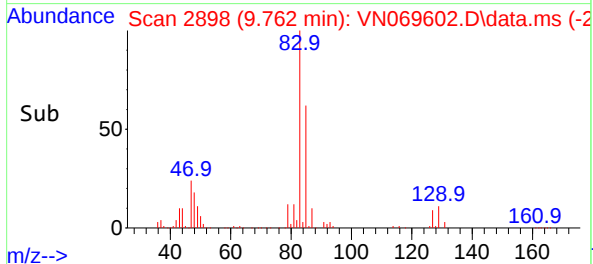
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



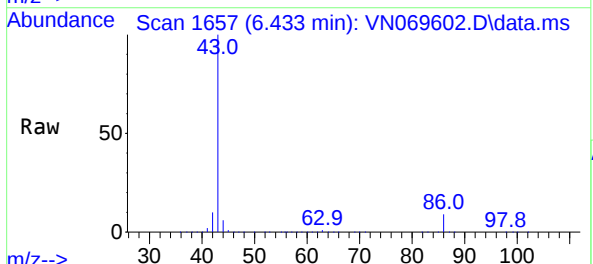
Tgt Ion: 83 Resp: 319611
Ion Ratio Lower Upper
83 100
85 61.9 54.1 81.1
127 8.8 7.6 11.4

Manual Integrations
APPROVED

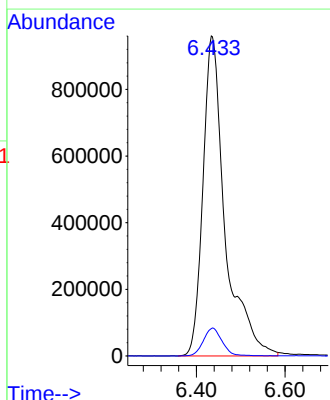
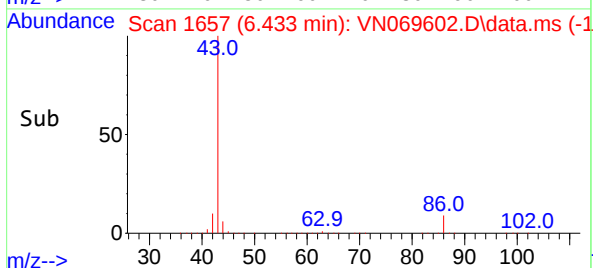
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

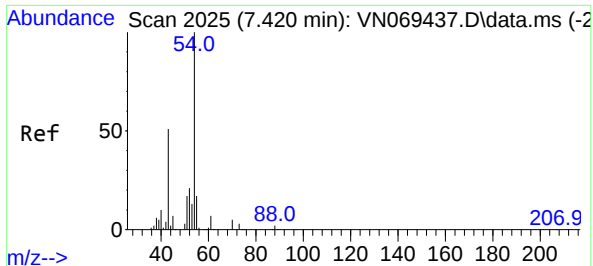


#42
Vinyl Acetate
Concen: 109.064 ug/l m
RT: 6.433 min Scan# 1657
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



Tgt Ion: 43 Resp: 3331925
Ion Ratio Lower Upper
43 100
86 7.3 7.5 11.3#





#43

Ethyl Acetate

Concen: 21.231 ug/l

RT: 7.415 min Scan# 2025

Delta R.T. 0.003 min

Lab File: VN069602.D

Acq: 22 Nov 2021 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 42533

Ion Ratio Lower Upper

43 100

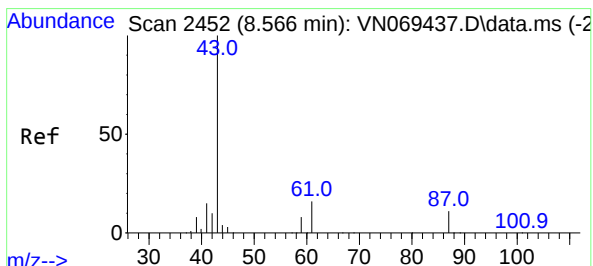
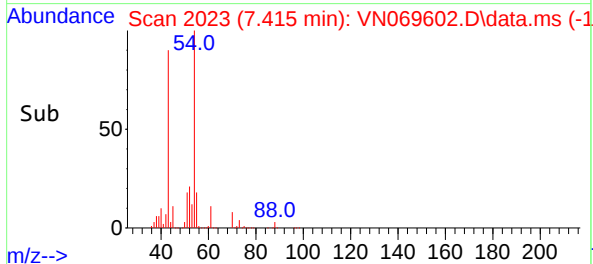
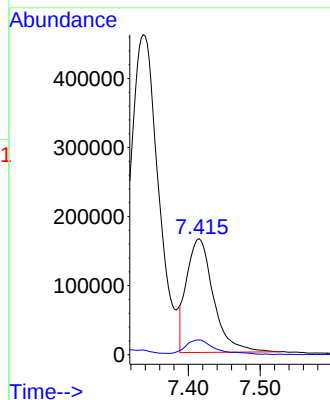
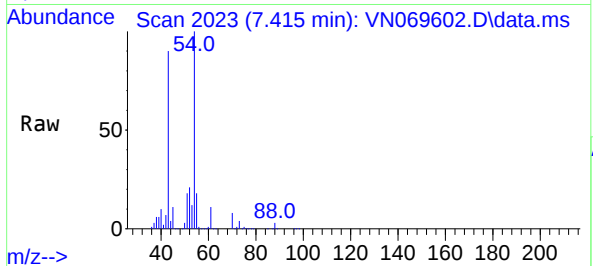
45 11.1 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/23/2021

Supervised By :Mahesh Dadoda 11/23/2021



#44

Isopropyl Acetate

Concen: 21.318 ug/l

RT: 8.560 min Scan# 2450

Delta R.T. 0.000 min

Lab File: VN069602.D

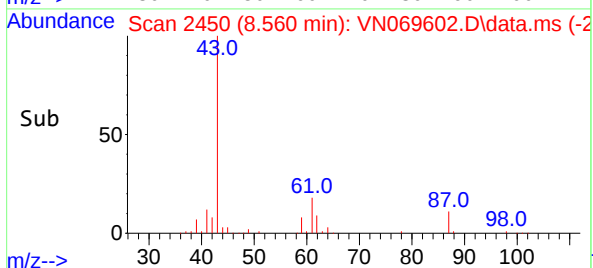
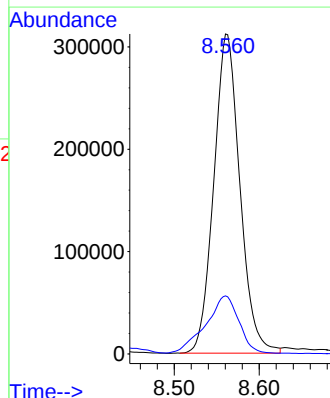
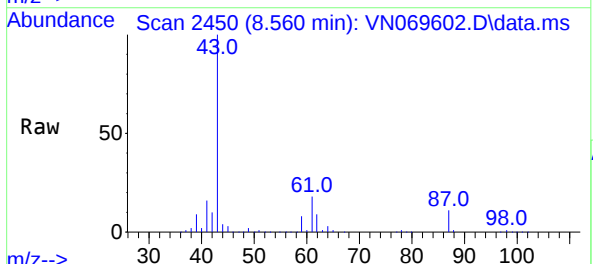
Acq: 22 Nov 2021 11:20

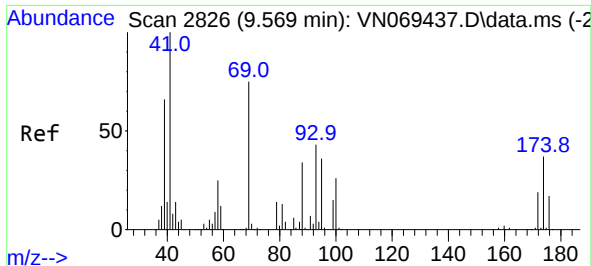
Tgt Ion: 43 Resp: 665841

Ion Ratio Lower Upper

43 100

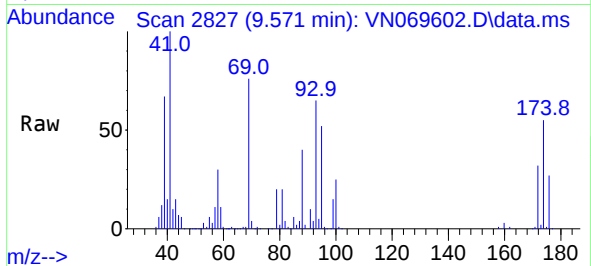
61 22.7 20.1 30.1





#45
1,4-Dioxane
Concen: 406.511 ug/l
RT: 9.571 min Scan# 2827
Delta R.T. 0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

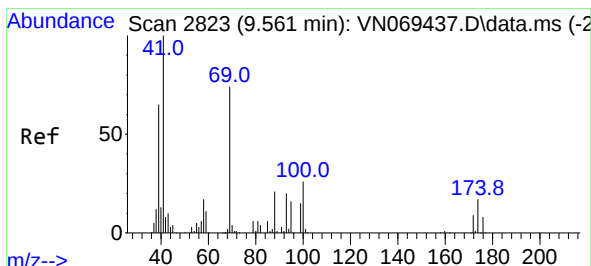
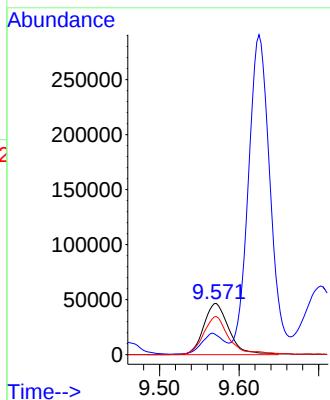
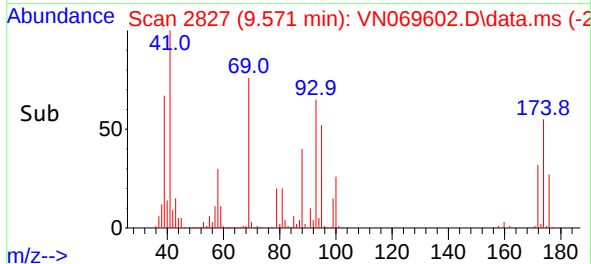
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



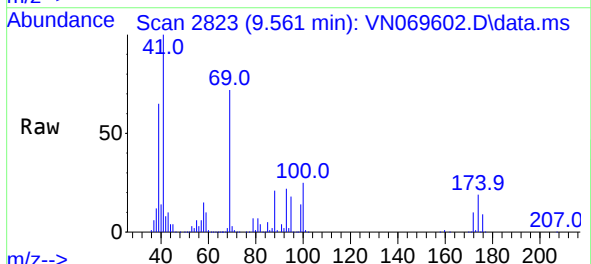
Tgt Ion: 88 Resp: 103060
Ion Ratio Lower Upper
88 100
43 34.2 25.0 37.6
58 71.0 49.4 74.2

Manual Integrations
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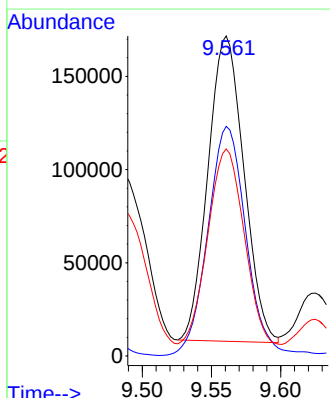
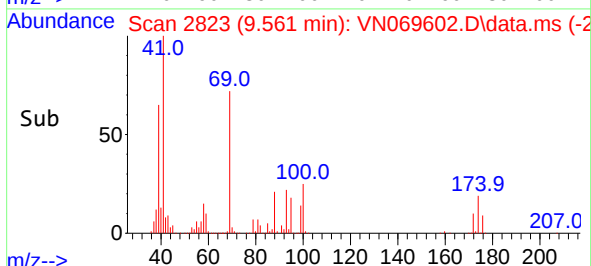
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

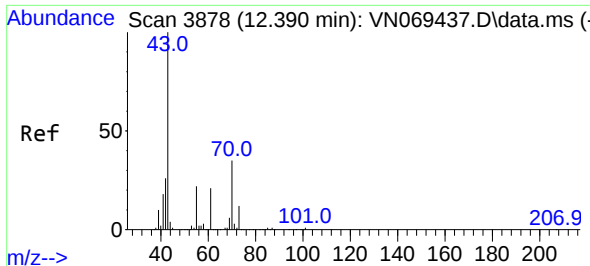


#46
Methyl methacrylate
Concen: 20.540 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



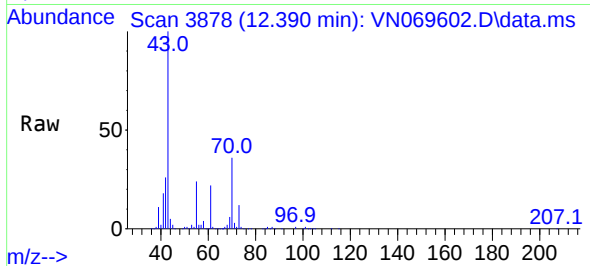
Tgt Ion: 41 Resp: 295457
Ion Ratio Lower Upper
41 100
69 73.8 44.4 133.2
39 64.2 39.9 119.6





#47
n-amyl acetate
Concen: 16.963 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

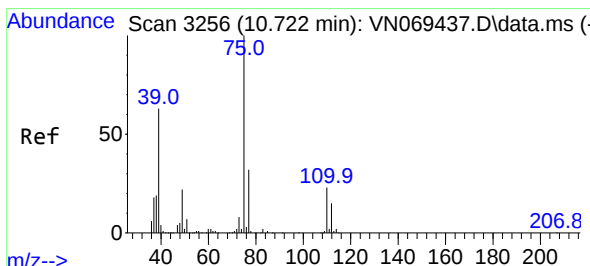
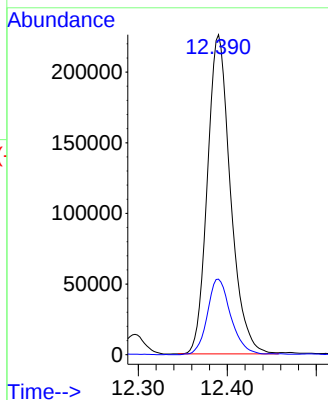
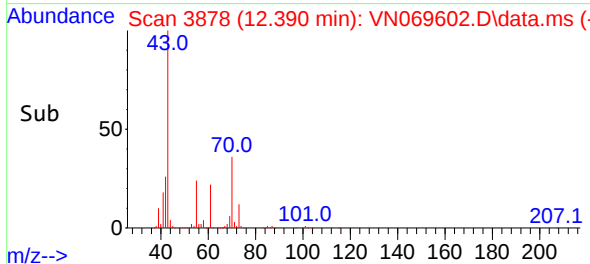
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



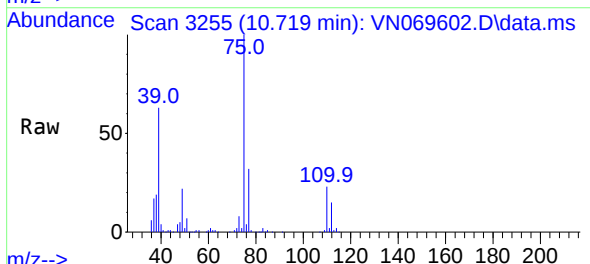
Tgt Ion: 43 Resp: 406839
Ion Ratio Lower Upper
43 100
55 24.1 19.0 28.6

Manual Integrations
APPROVED

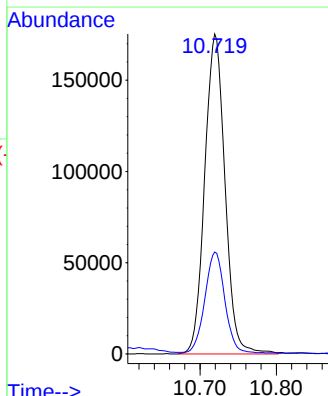
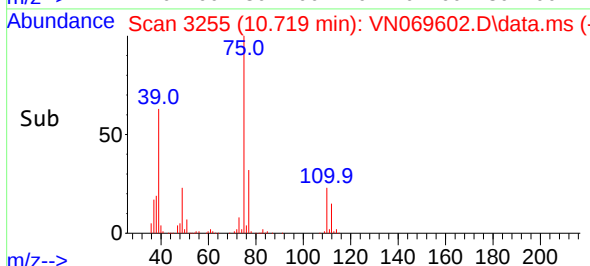
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

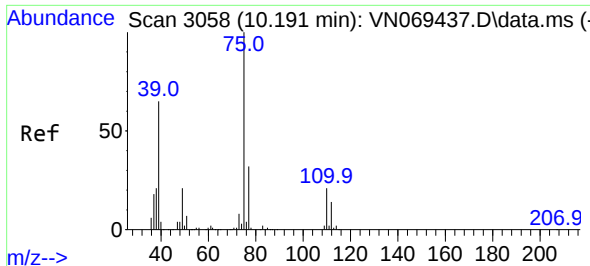


#48
t-1,3-Dichloropropene
Concen: 19.961 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



Tgt Ion: 75 Resp: 323916
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9





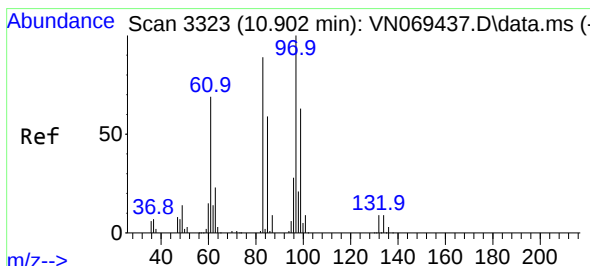
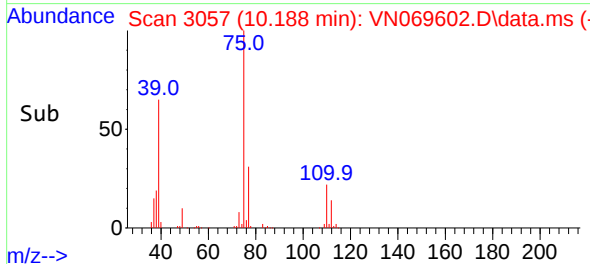
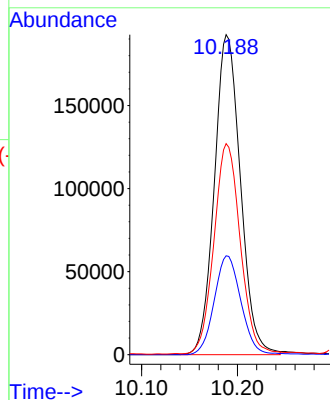
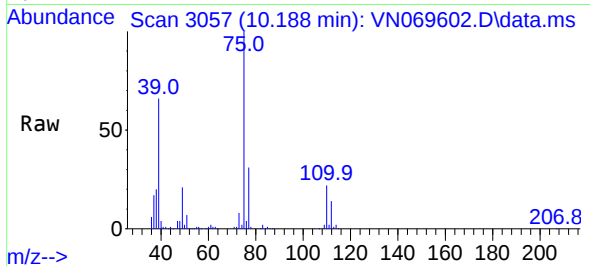
#49
cis-1,3-Dichloropropene
Concen: 20.609 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 36392
Ion Ratio Lower Upper
75 100
77 30.9 25.3 37.9
39 65.6 46.2 69.4

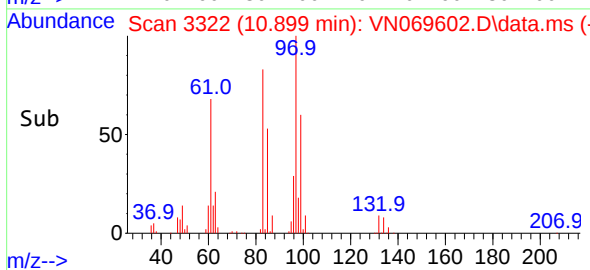
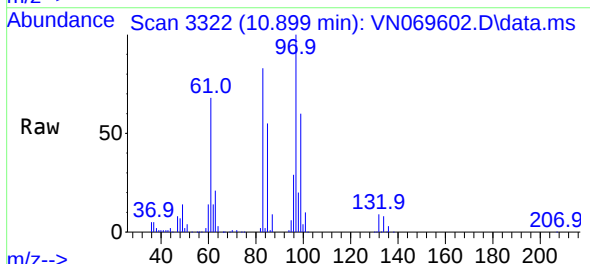
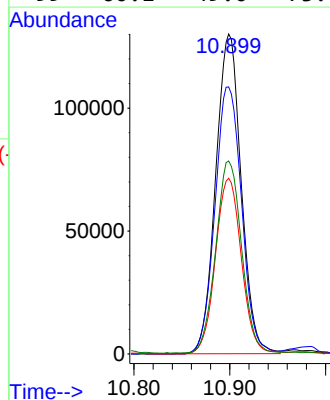
Manual Integrations
APPROVED

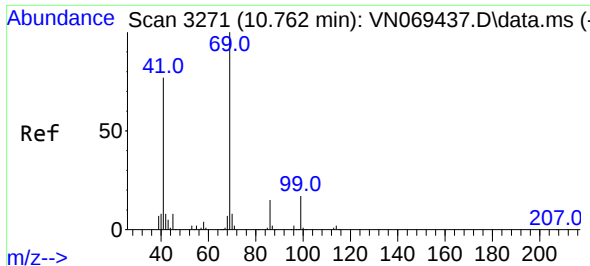
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#50
1,1,2-Trichloroethane
Concen: 20.953 ug/l
RT: 10.899 min Scan# 3322
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

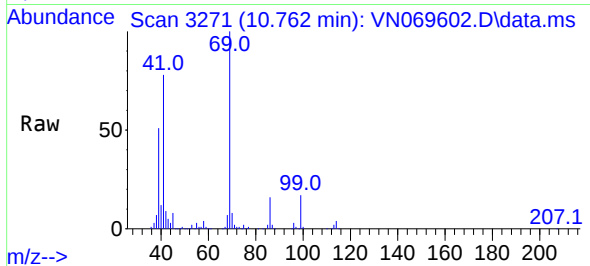
Tgt Ion: 97 Resp: 239701
Ion Ratio Lower Upper
97 100
83 83.5 67.2 100.8
85 55.0 43.0 64.4
99 60.1 49.0 73.4





#51
Ethyl methacrylate
Concen: 19.855 ug/l
RT: 10.762 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

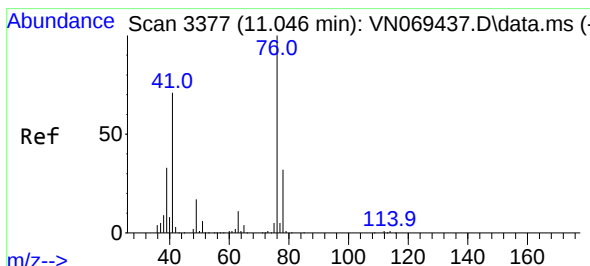
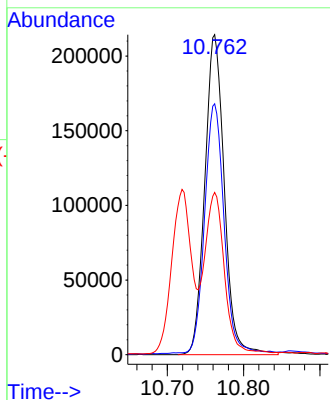
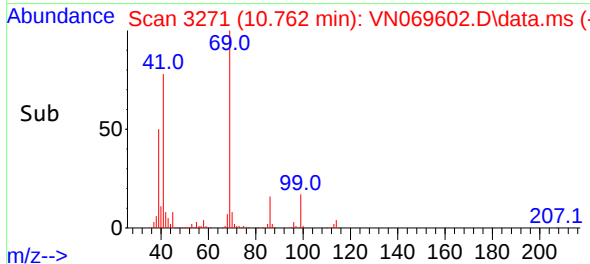
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



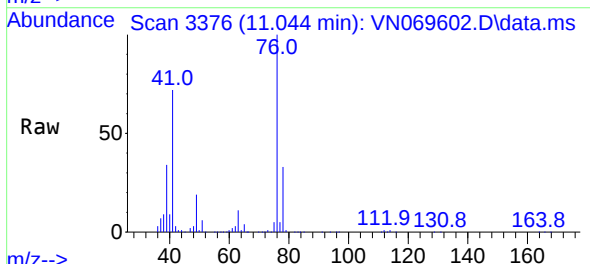
Tgt Ion: 69 Resp: 380815
Ion Ratio Lower Upper
69 100
41 77.8 33.0 98.9
39 50.0 25.4 76.4

Manual Integrations
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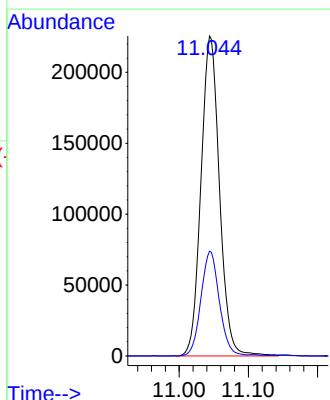
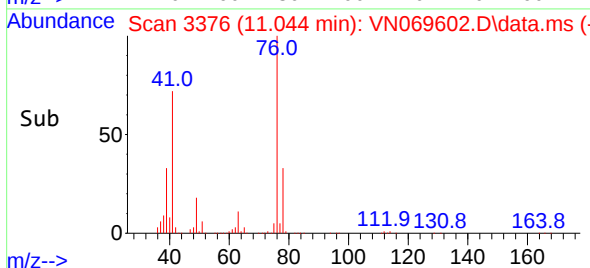
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

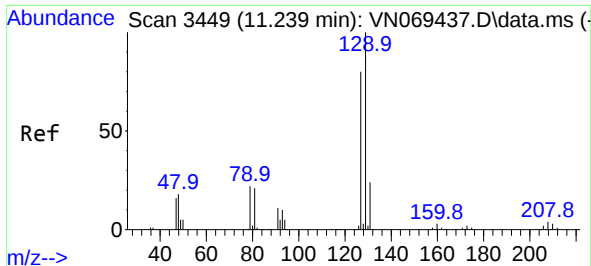


#52
1,3-Dichloropropane
Concen: 21.210 ug/l
RT: 11.044 min Scan# 3376
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



Tgt Ion: 76 Resp: 419127
Ion Ratio Lower Upper
76 100
78 32.5 0.0 65.4





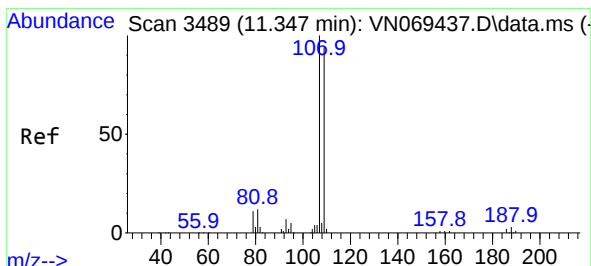
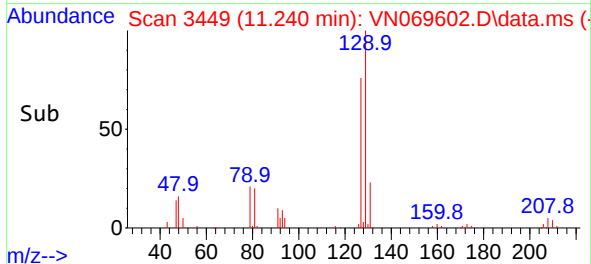
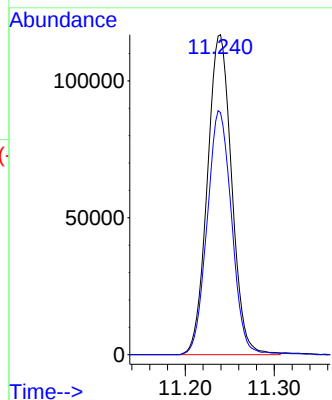
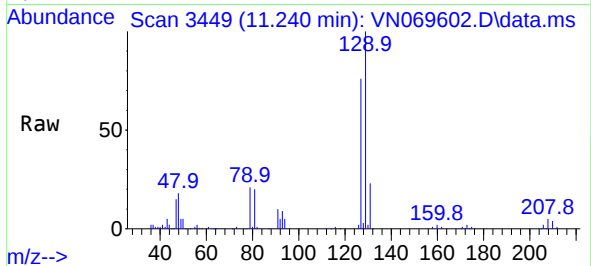
#53
Dibromochloromethane
Concen: 20.304 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:129 Resp: 22196
Ion Ratio Lower Upper
129 100
127 76.3 39.0 117.0

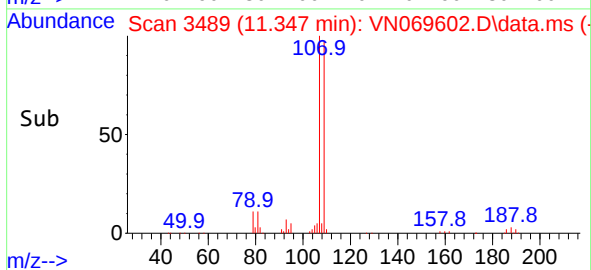
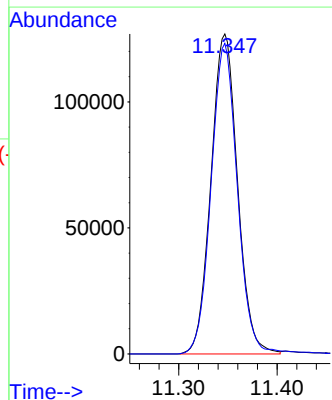
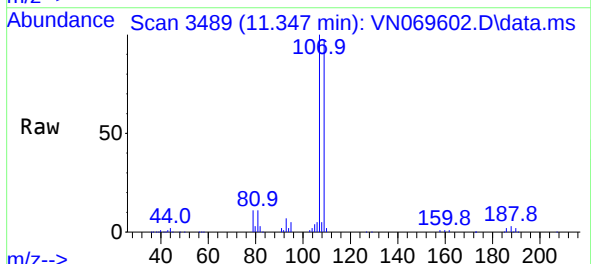
Manual Integrations
APPROVED

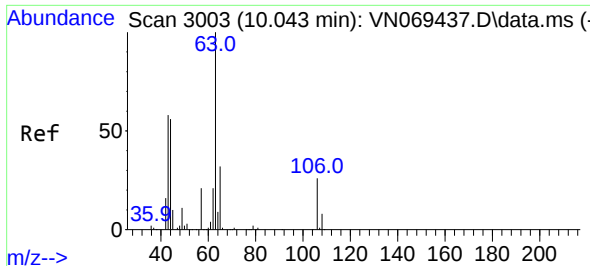
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#54
1,2-Dibromoethane
Concen: 20.164 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Tgt Ion:107 Resp: 238898
Ion Ratio Lower Upper
107 100
109 94.8 72.8 109.2





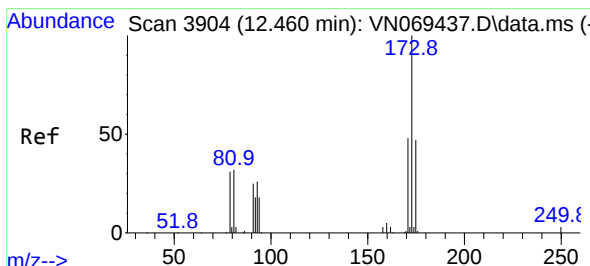
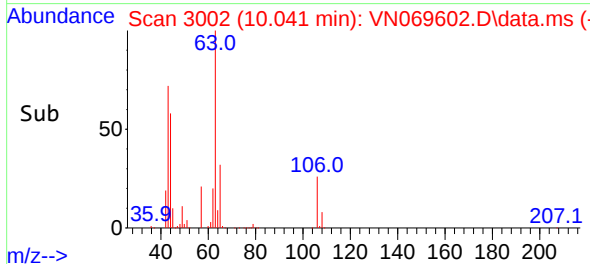
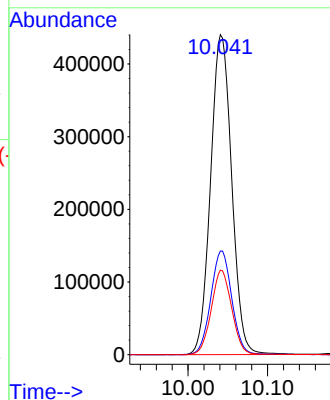
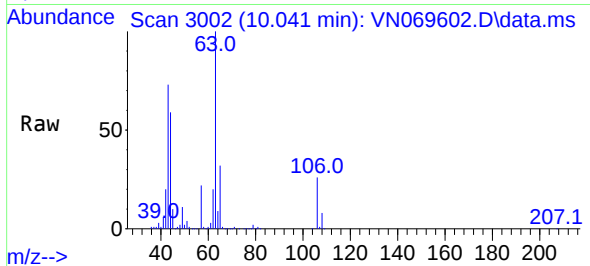
#55
2-Chloroethyl vinyl ether
Concen: 186.401 ug/l
RT: 10.041 min Scan# 3003
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 81322
Ion Ratio Lower Upper
63 100
65 32.3 25.4 38.0
106 25.6 23.2 34.8

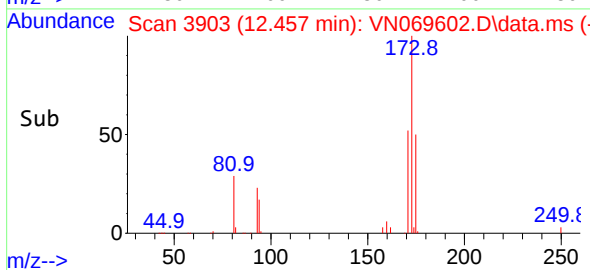
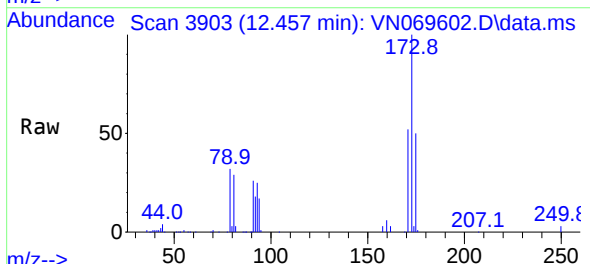
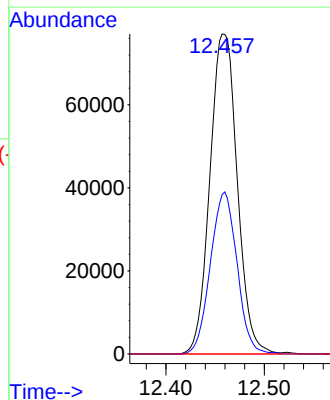
Manual Integrations
APPROVED

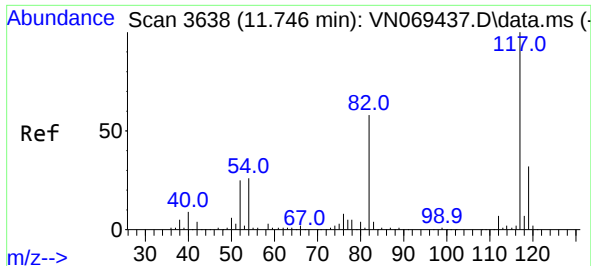
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#56
Bromoform
Concen: 19.045 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Tgt Ion:173 Resp: 149295
Ion Ratio Lower Upper
173 100
175 49.1 38.6 58.0
254 0.0 0.0 0.0





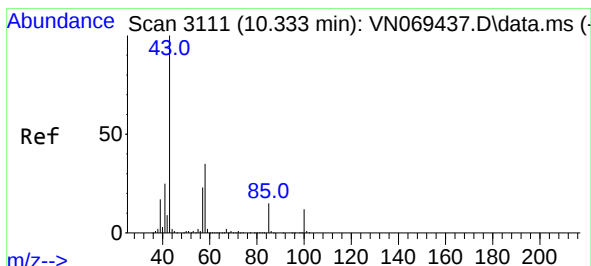
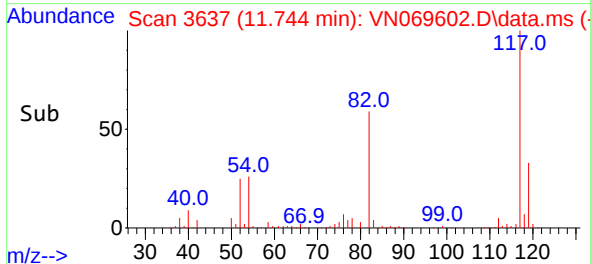
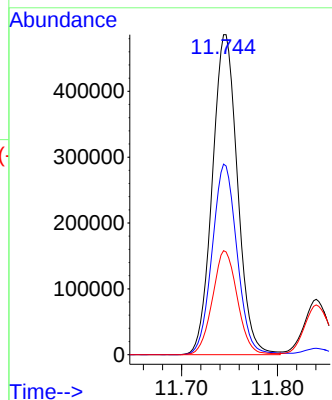
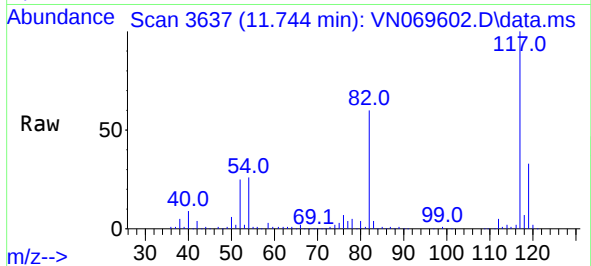
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 88713
Ion Ratio Lower Upper
117 100
82 58.8 43.6 65.4
119 32.1 25.8 38.6

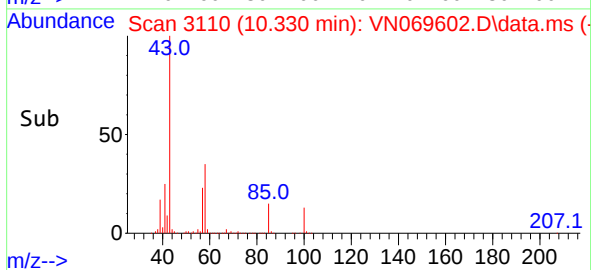
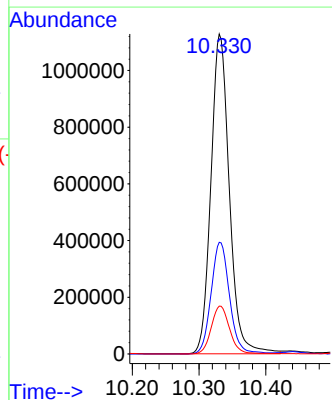
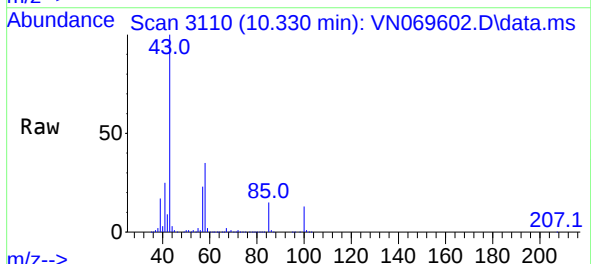
Manual Integrations
APPROVED

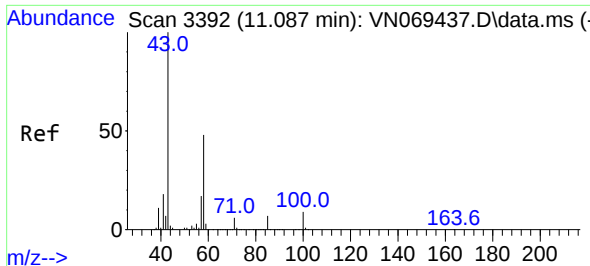
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#58
4-Methyl-2-Pentanone
Concen: 111.028 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

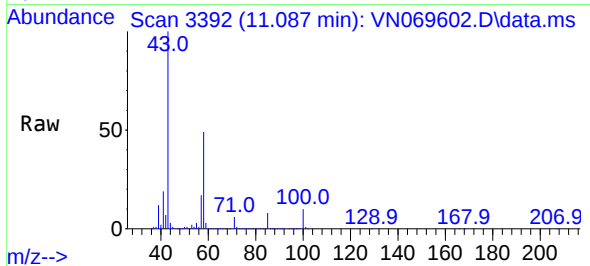
Tgt Ion: 43 Resp: 2162079
Ion Ratio Lower Upper
43 100
58 35.0 30.0 45.0
85 14.9 15.0 22.6#





#59
2-Hexanone
Concen: 107.696 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

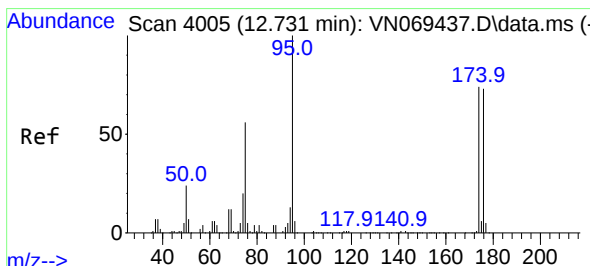
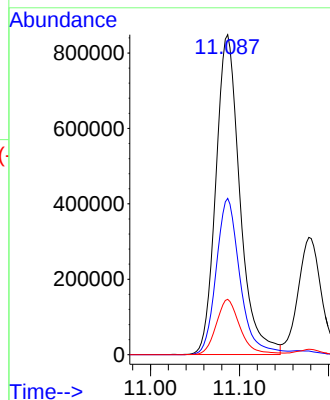
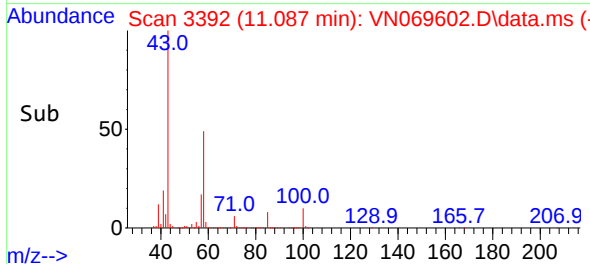
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



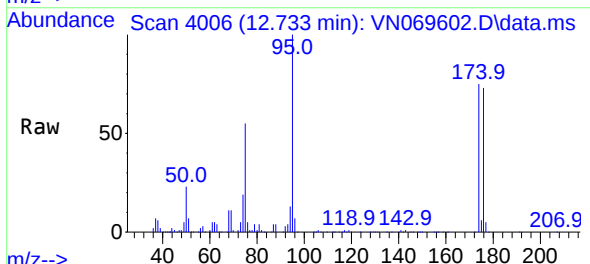
Tgt Ion: 43 Resp: 1595260
Ion Ratio Lower Upper
43 100
58 48.7 42.2 63.2
57 17.3 15.0 22.4

Manual Integrations
APPROVED

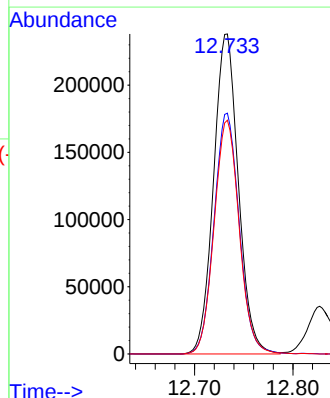
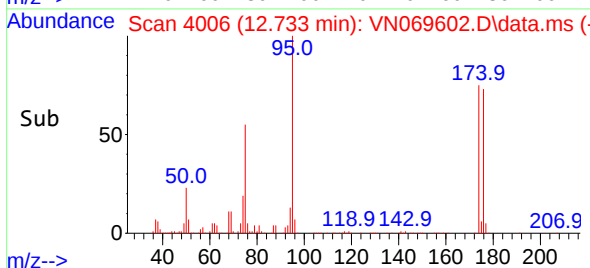
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

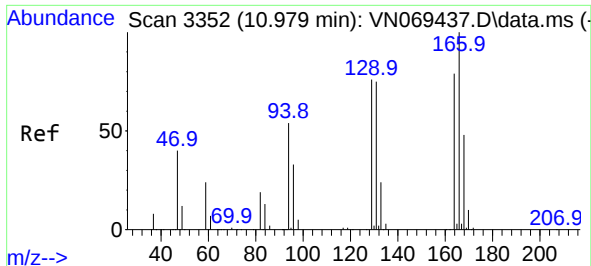


#60
4-Bromofluorobenzene
Concen: 29.467 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



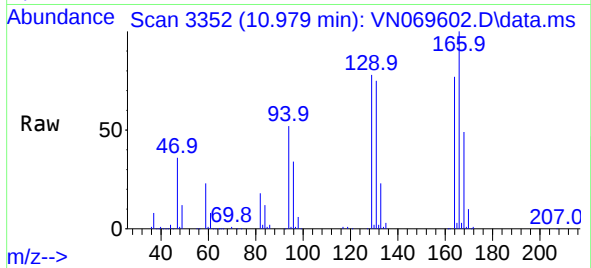
Tgt Ion: 95 Resp: 418326
Ion Ratio Lower Upper
95 100
174 76.2 62.9 94.3
176 73.9 61.0 91.4





#61
Tetrachloroethene
Concen: 21.139 ug/l
RT: 10.979 min Scan# 3117
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

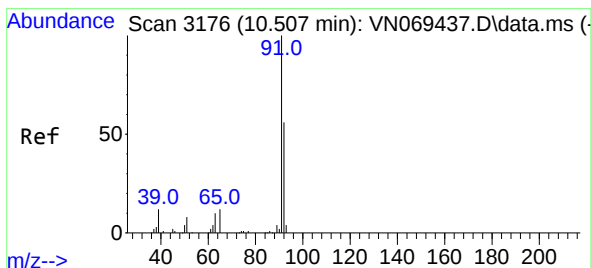
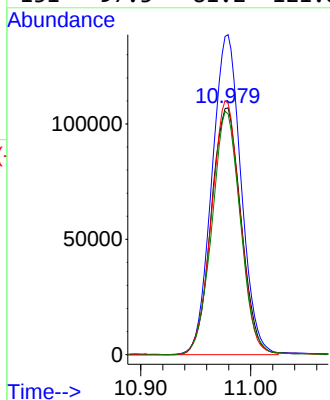
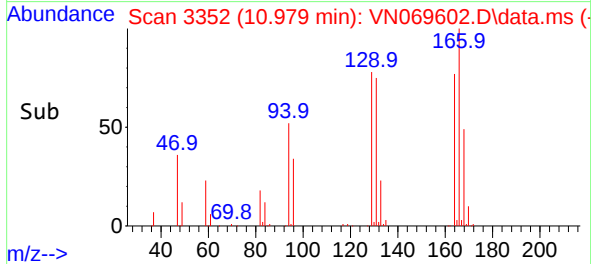
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



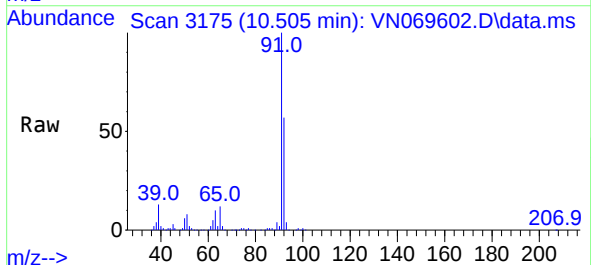
Tgt Ion:164 Resp: 201278
Ion Ratio Lower Upper
164 100
166 129.4 105.8 158.8
129 101.6 82.5 123.7
131 97.3 81.2 121.8

Manual Integrations
APPROVED

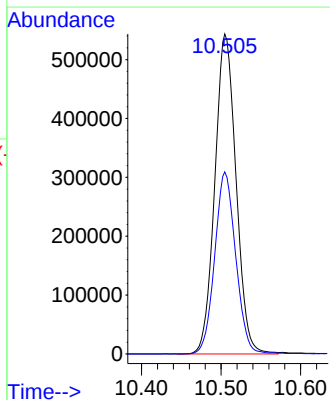
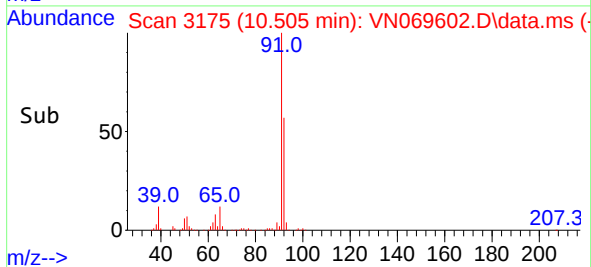
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

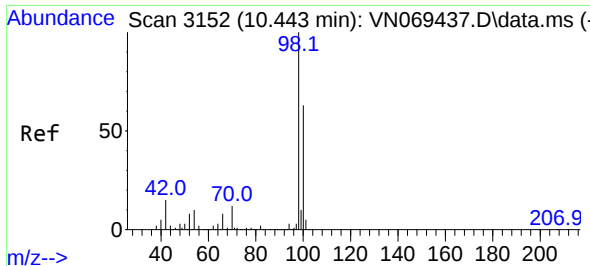


#62
Toluene
Concen: 20.691 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



Tgt Ion: 91 Resp: 1008696
Ion Ratio Lower Upper
91 100
92 56.2 44.6 67.0





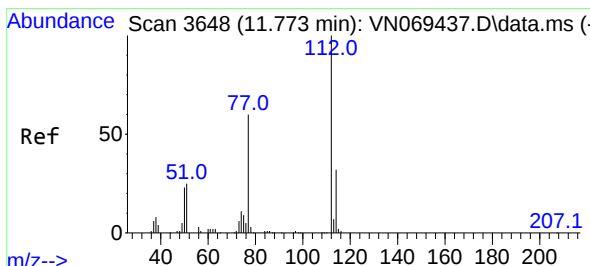
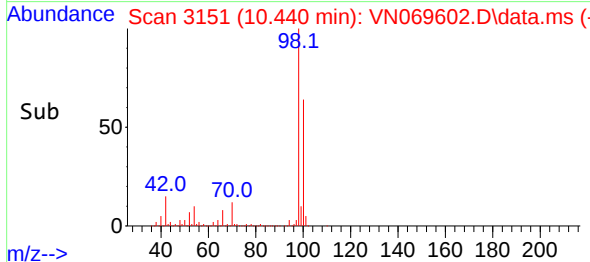
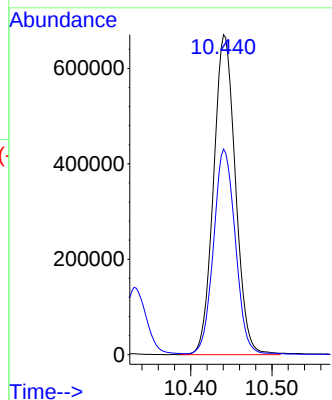
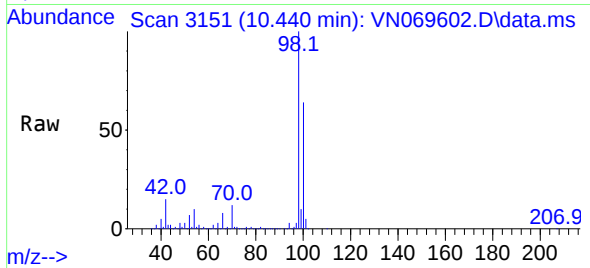
#63
Toluene-d8
Concen: 30.666 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 98 Resp: 125612
Ion Ratio Lower Upper
98 100
100 63.2 50.6 76.0

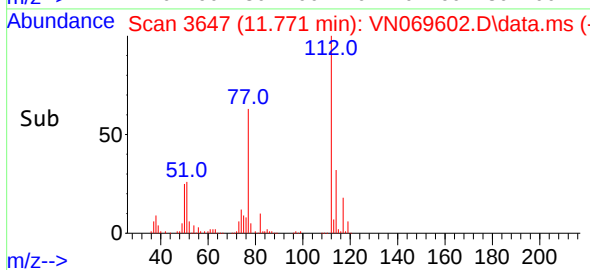
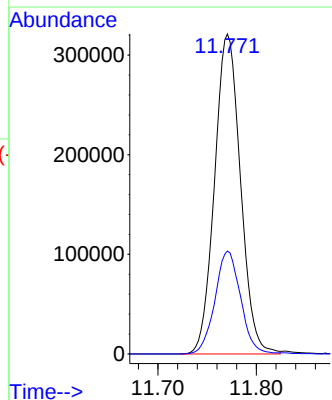
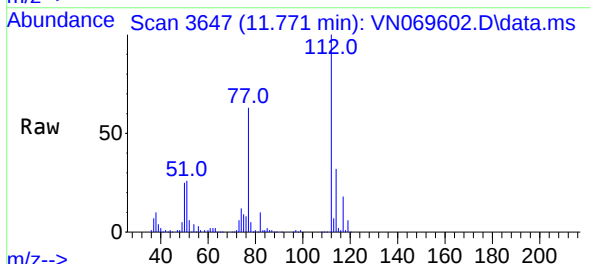
Manual Integrations
APPROVED

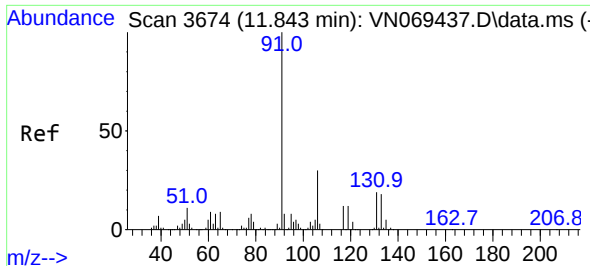
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#64
Chlorobenzene
Concen: 20.112 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

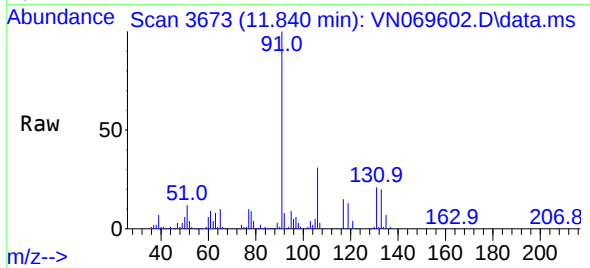
Tgt Ion:112 Resp: 588216
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 21.153 ug/l
RT: 11.840 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

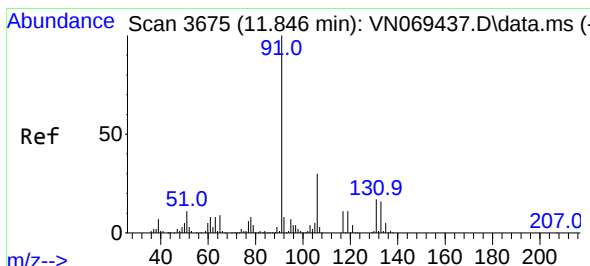
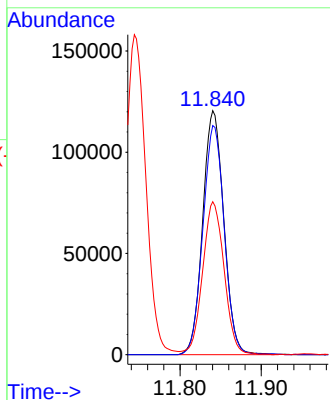
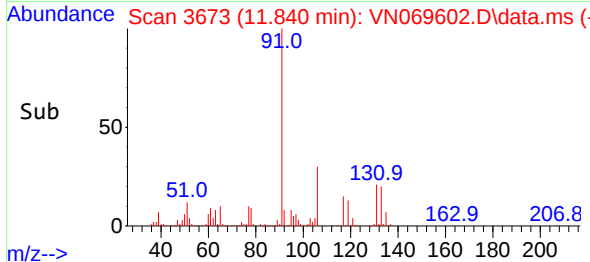
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



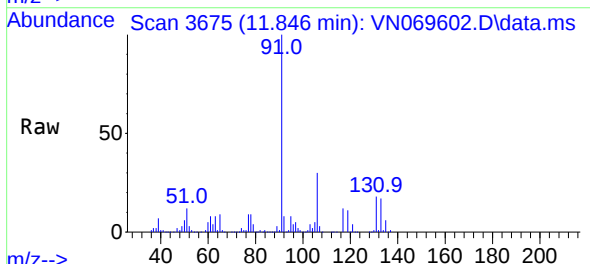
Tgt Ion:131 Resp: 217809
Ion Ratio Lower Upper
131 100
133 94.6 0.0 191.2
119 63.5 0.0 128.8

Manual Integrations
APPROVED

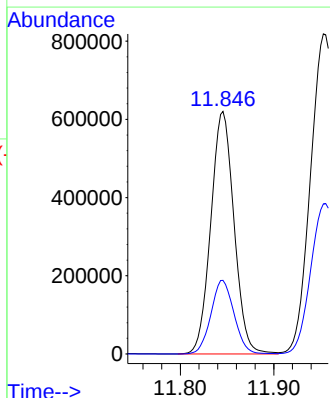
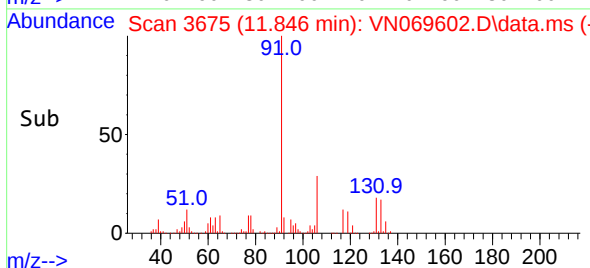
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

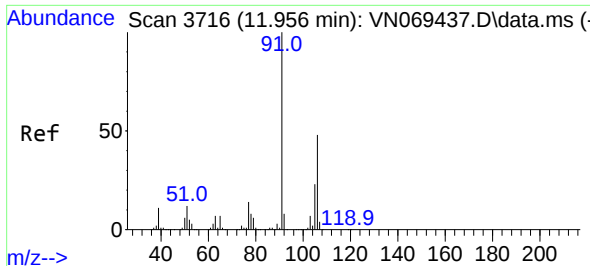


#66
Ethyl Benzene
Concen: 19.898 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



Tgt Ion: 91 Resp: 1073704
Ion Ratio Lower Upper
91 100
106 30.3 24.0 36.0





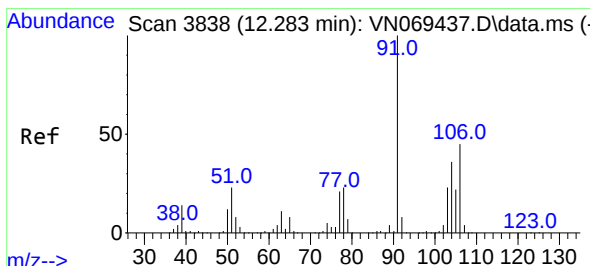
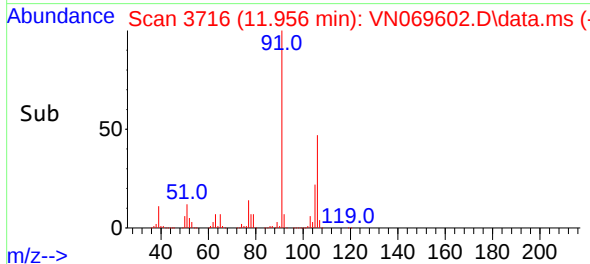
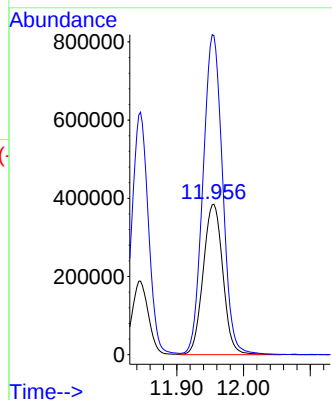
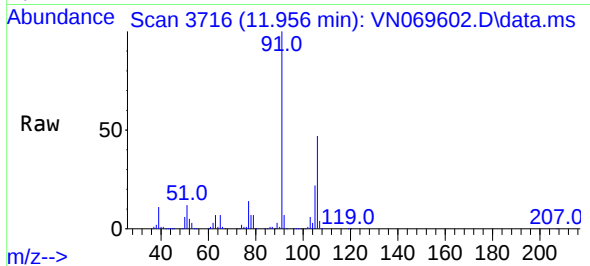
#67
m/p-Xylenes
Concen: 39.266 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 78694
Ion Ratio Lower Upper
106 100
91 212.2 162.9 244.3

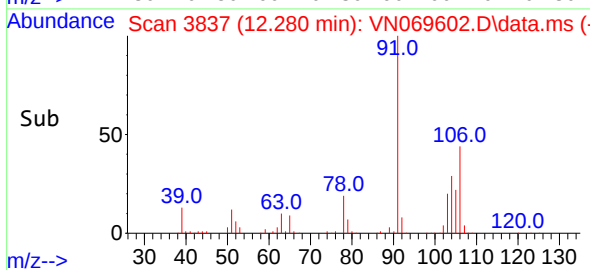
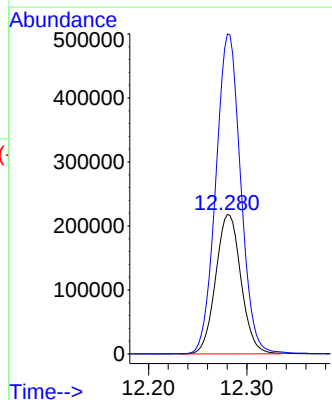
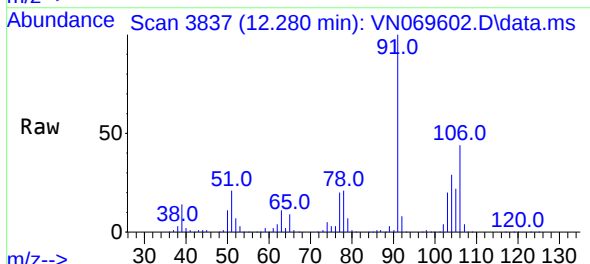
Manual Integrations
APPROVED

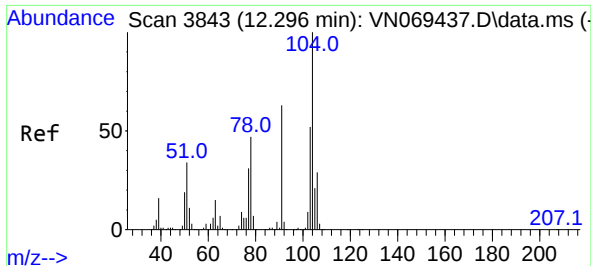
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#68
o-Xylene
Concen: 19.411 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Tgt Ion:106 Resp: 389510
Ion Ratio Lower Upper
106 100
91 226.1 107.7 323.1





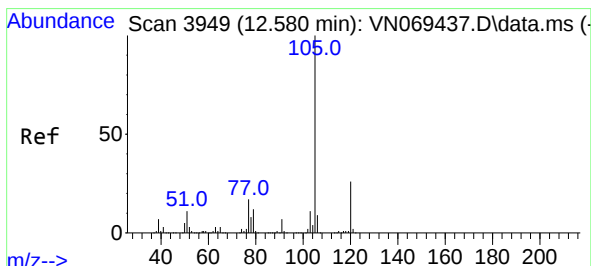
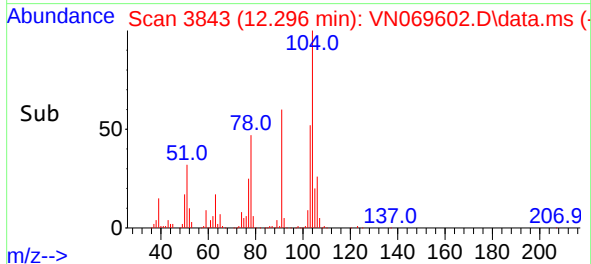
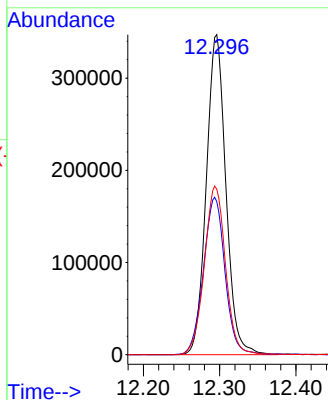
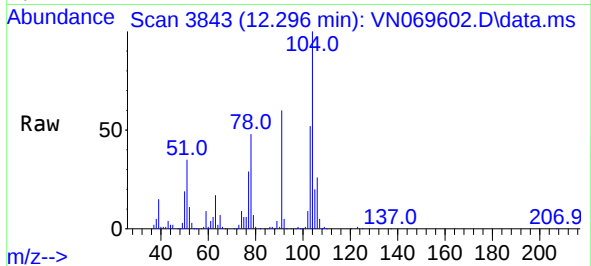
#69
Styrene
Concen: 19.080 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 620748
Ion Ratio Lower Upper
104 100
78 54.2 40.7 61.1
103 56.8 45.8 68.8

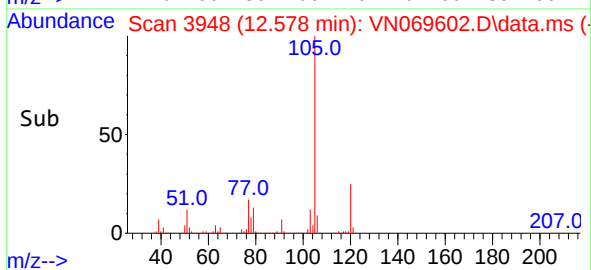
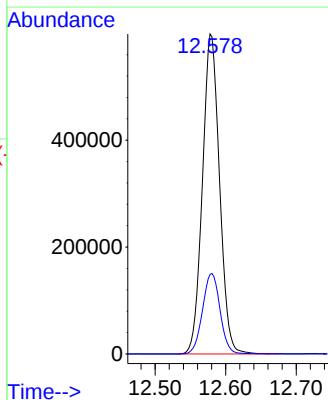
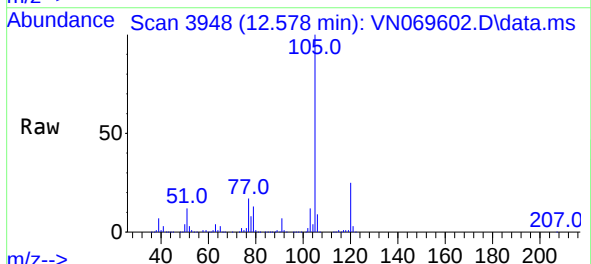
Manual Integrations
APPROVED

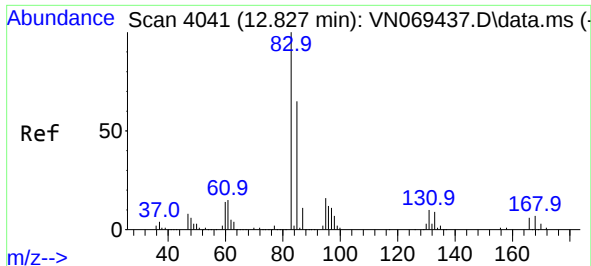
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#70
Isopropylbenzene
Concen: 19.208 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Tgt Ion:105 Resp: 1008057
Ion Ratio Lower Upper
105 100
120 25.8 18.3 34.1





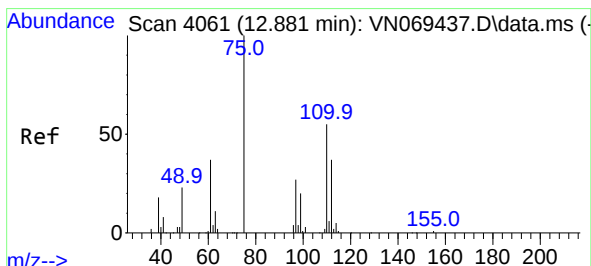
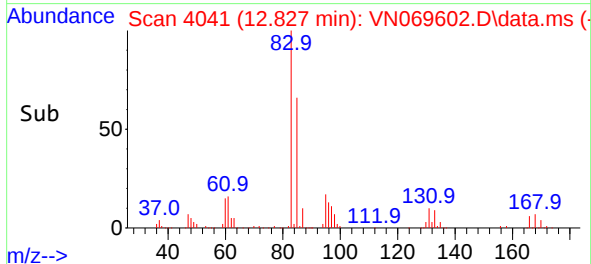
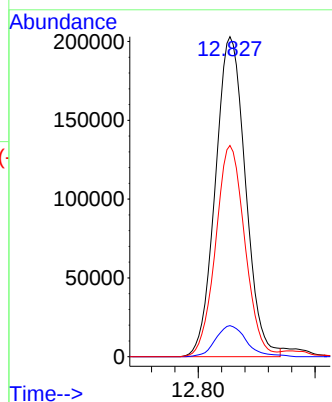
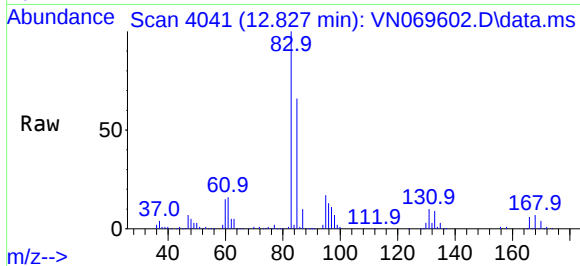
#71
1,1,2,2-Tetrachloroethane
Concen: 20.974 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 36320
Ion Ratio Lower Upper
83 100
131 10.0 5.1 15.3
85 64.2 33.1 99.2

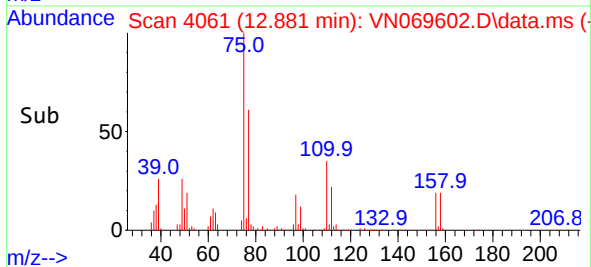
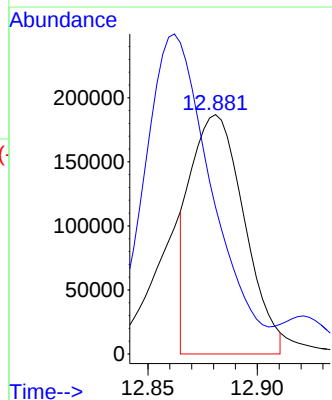
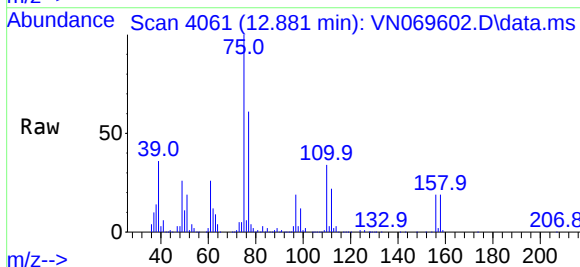
Manual Integrations
APPROVED

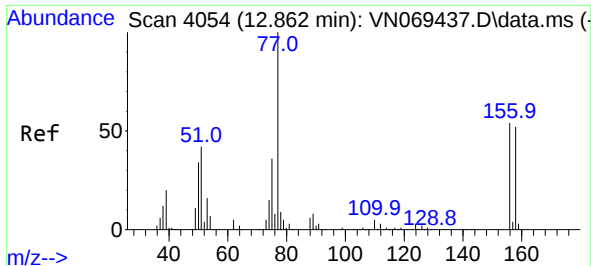
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#72
1,2,3-Trichloropropane
Concen: 18.775 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

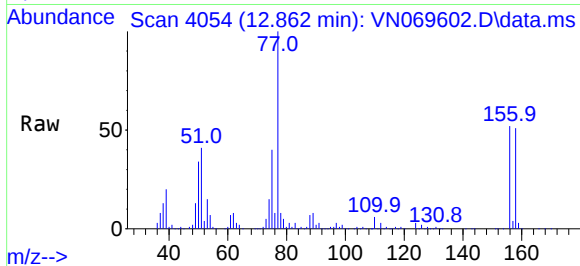
Tgt Ion: 75 Resp: 316725
Ion Ratio Lower Upper
75 100
77 169.1 0.0 378.0





#73
Bromobenzene
Concen: 19.681 ug/l
RT: 12.862 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

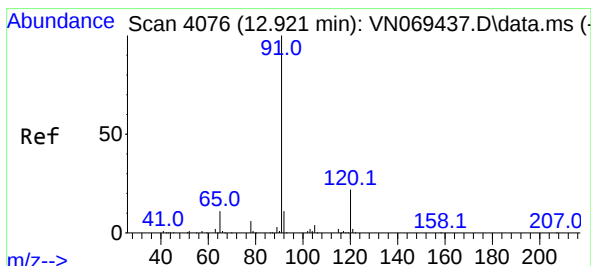
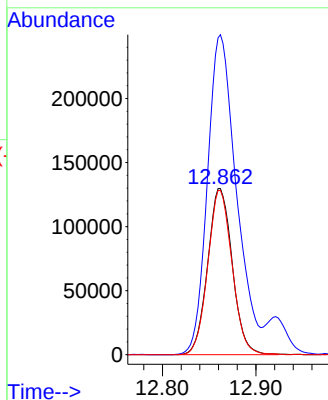
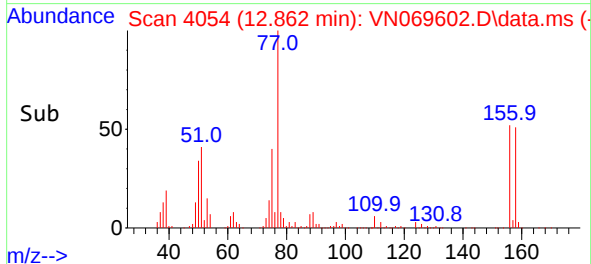
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



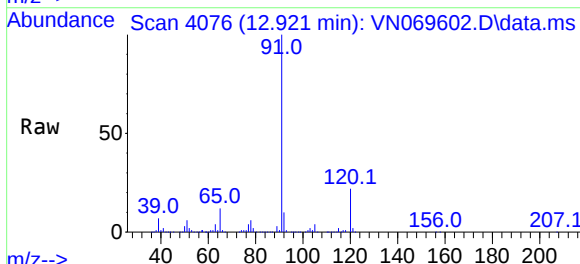
Tgt Ion:156 Resp: 23808
Ion Ratio Lower Upper
156 100
77 224.9 0.0 416.0
158 97.6 0.0 195.4

Manual Integrations
APPROVED

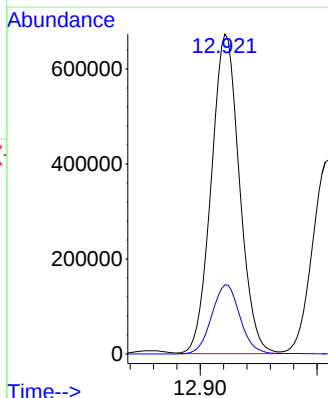
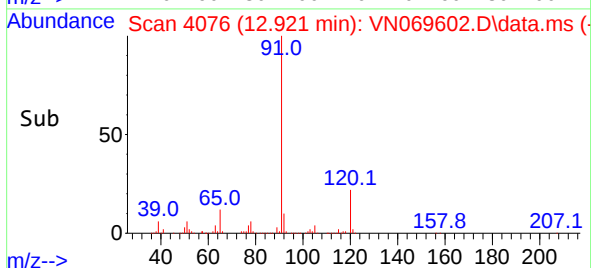
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

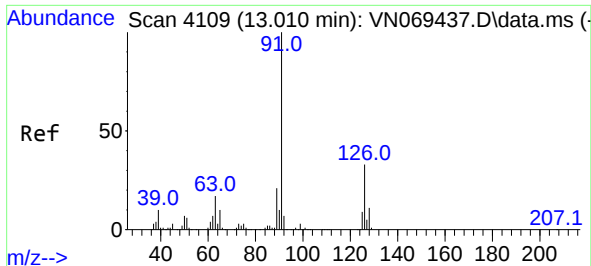


#74
n-propylbenzene
Concen: 18.714 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



Tgt Ion: 91 Resp: 1127937
Ion Ratio Lower Upper
91 100
120 21.7 0.0 45.0





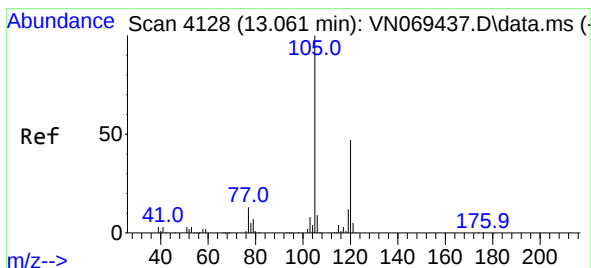
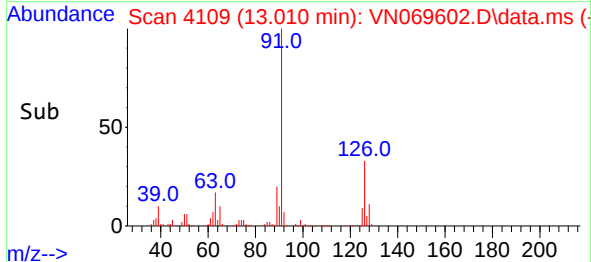
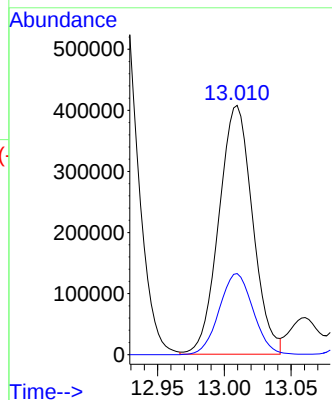
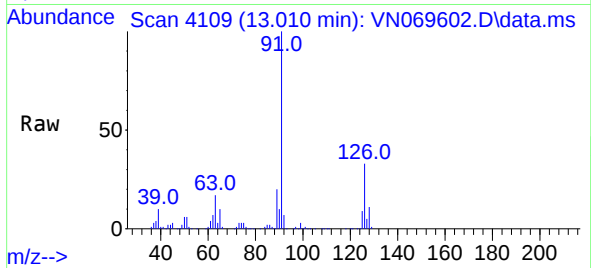
#75
2-Chlorotoluene
Concen: 19.551 ug/l
RT: 13.010 min Scan# 4109
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 71734
Ion Ratio Lower Upper
91 100
126 32.7 0.0 69.8

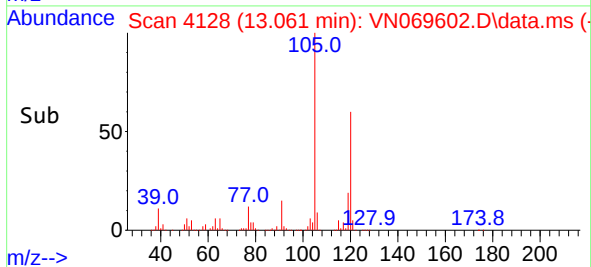
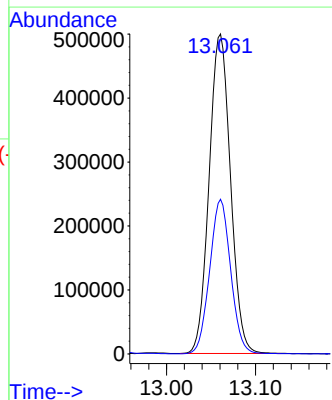
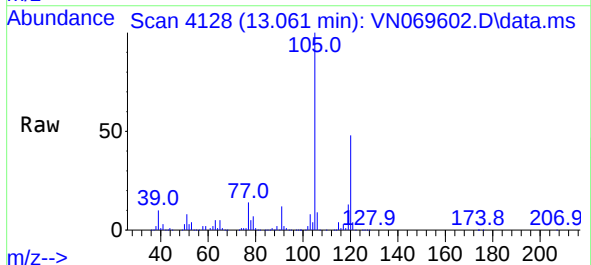
Manual Integrations
APPROVED

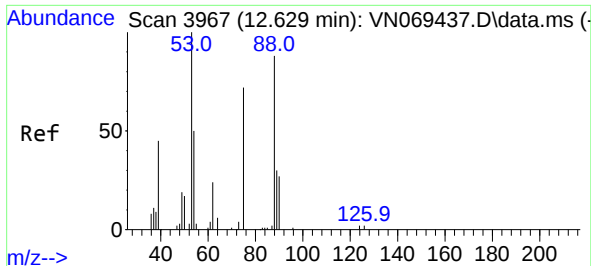
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#76
1,3,5-Trimethylbenzene
Concen: 19.310 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

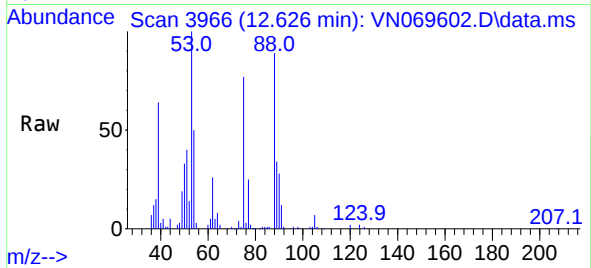
Tgt Ion:105 Resp: 831772
Ion Ratio Lower Upper
105 100
120 47.5 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 17.449 ug/l
RT: 12.626 min Scan# 3967
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

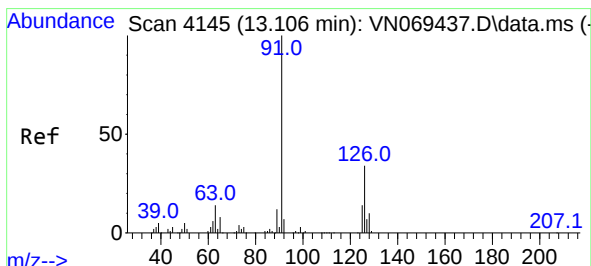
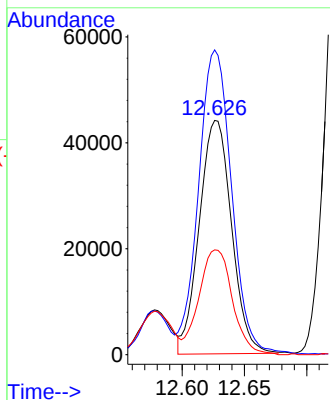
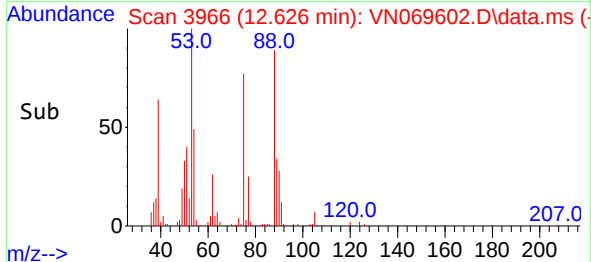
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



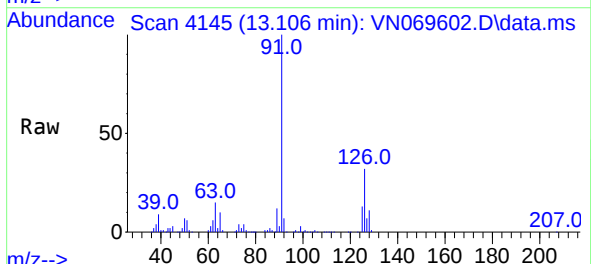
Tgt Ion: 75 Resp: 79458
Ion Ratio Lower Upper
75 100
53 129.8 51.8 155.5
89 45.2 22.9 68.7

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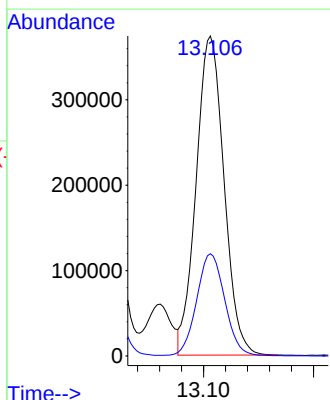
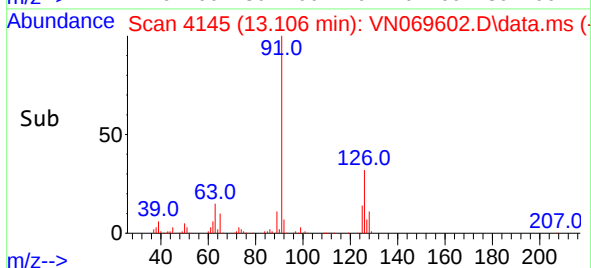
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

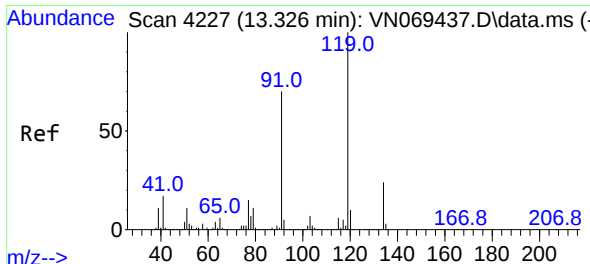


#78
4-Chlorotoluene
Concen: 18.710 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



Tgt Ion: 91 Resp: 657392
Ion Ratio Lower Upper
91 100
126 32.3 0.0 70.6





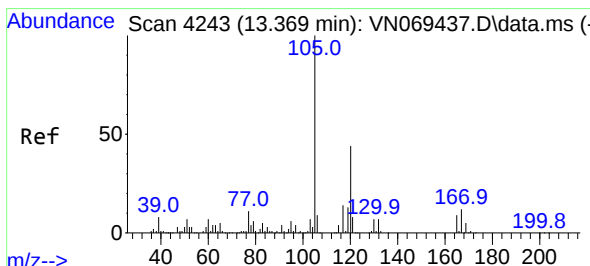
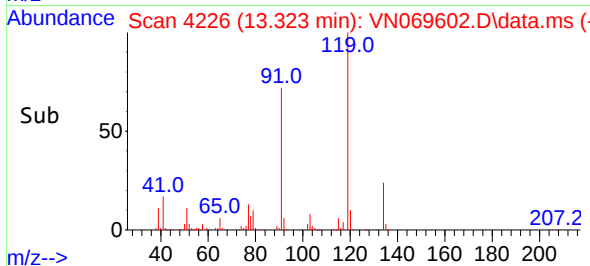
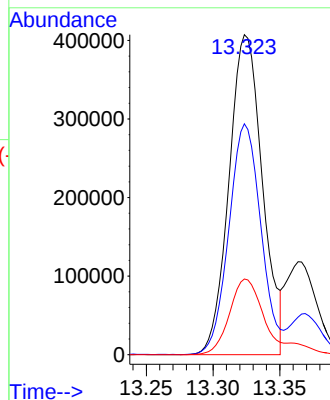
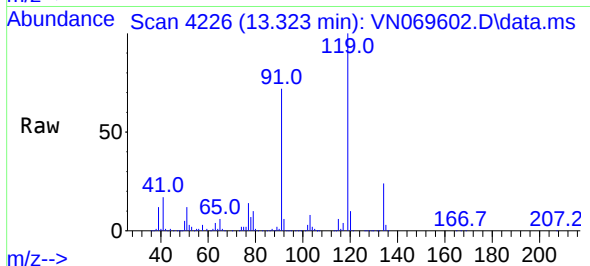
#79
tert-butylbenzene
Concen: 18.756 ug/l
RT: 13.323 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 71066
Ion Ratio Lower Upper
119 100
91 69.5 0.0 137.0
134 23.5 0.0 47.6

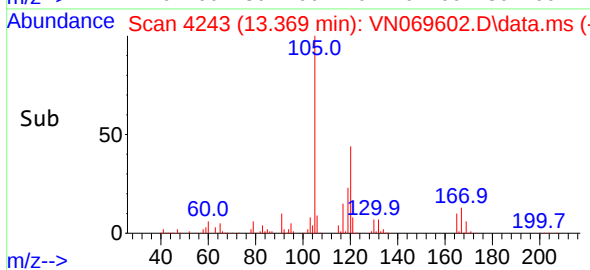
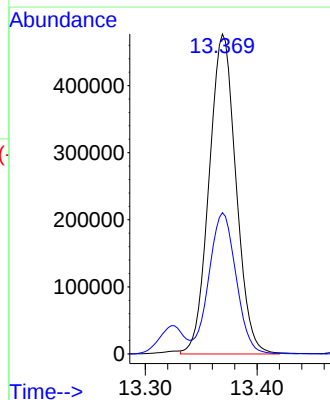
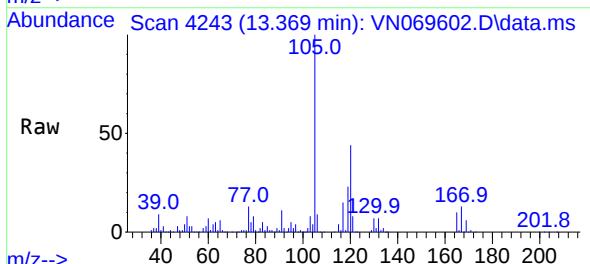
Manual Integrations
APPROVED

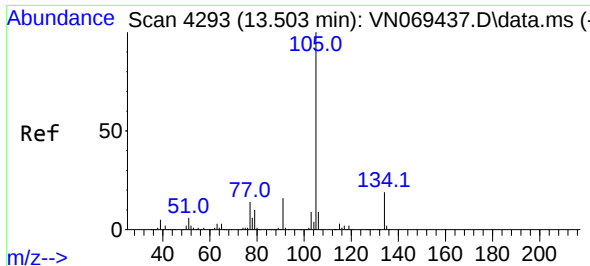
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#80
1,2,4-Trimethylbenzene
Concen: 18.954 ug/l m
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

Tgt Ion:105 Resp: 796438
Ion Ratio Lower Upper
105 100
120 0.1 0.0 0.2





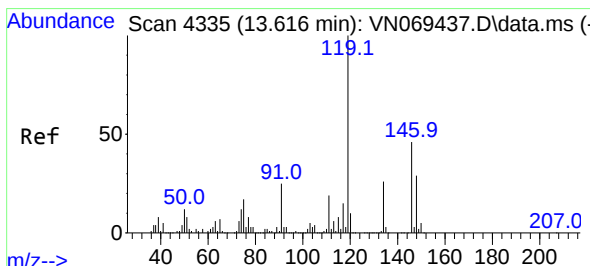
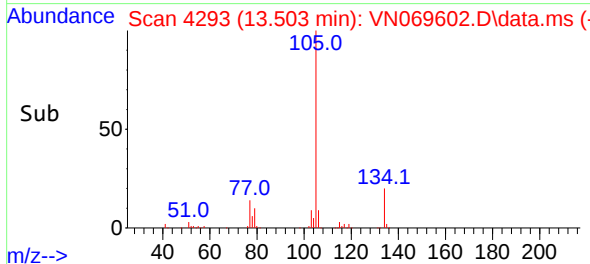
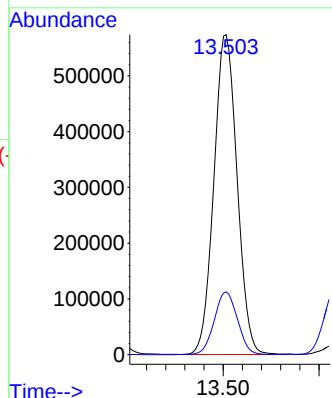
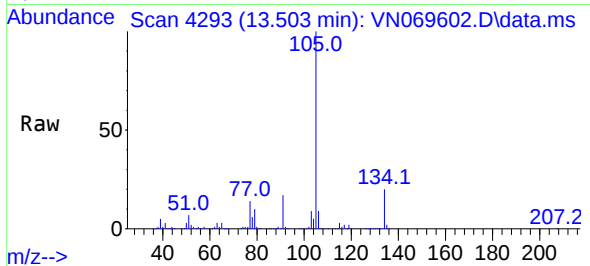
#81
 sec-Butylbenzene
 Concen: 18.146 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN069602.D
 Acq: 22 Nov 2021 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:105 Resp: 96202
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 39.4

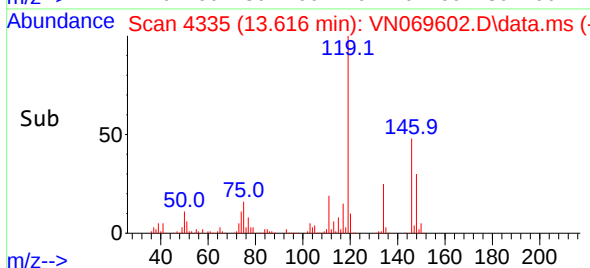
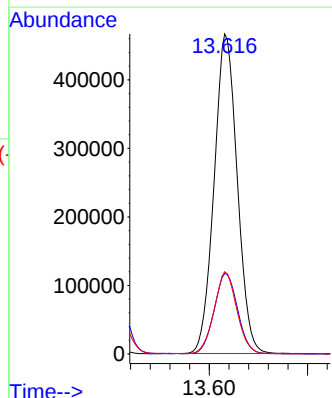
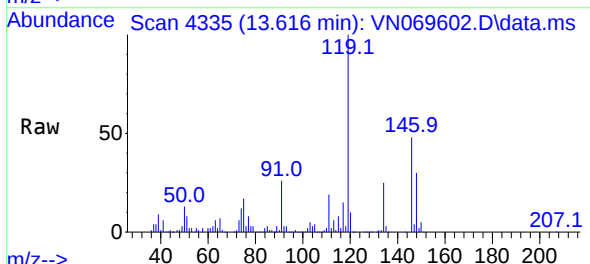
Manual Integrations
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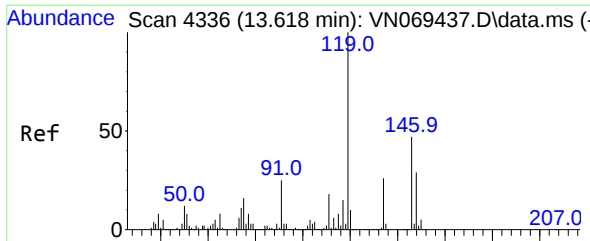
Reviewed By :John Carlone 11/23/2021
 Supervised By :Mahesh Dadoda 11/23/2021



#82
 p-Isopropyltoluene
 Concen: 17.997 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. -0.003 min
 Lab File: VN069602.D
 Acq: 22 Nov 2021 11:20

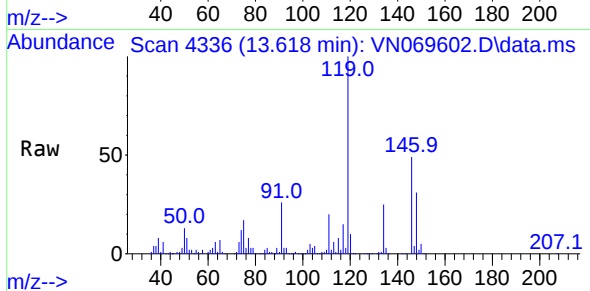
Tgt Ion:119 Resp: 761289
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 51.8
 91 25.0 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 19.026 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

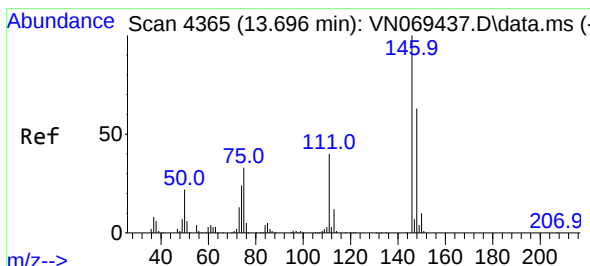
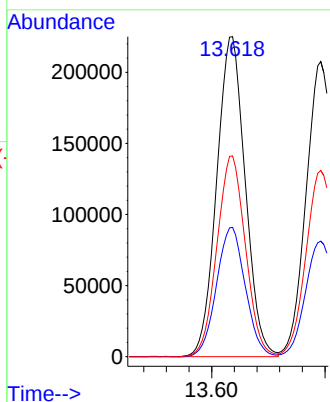
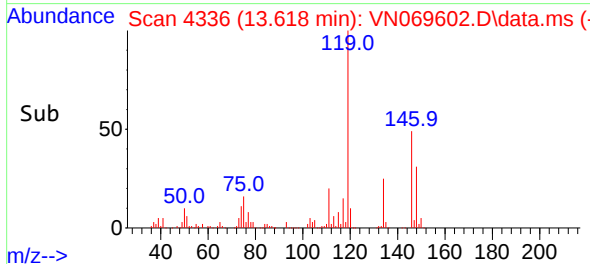
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



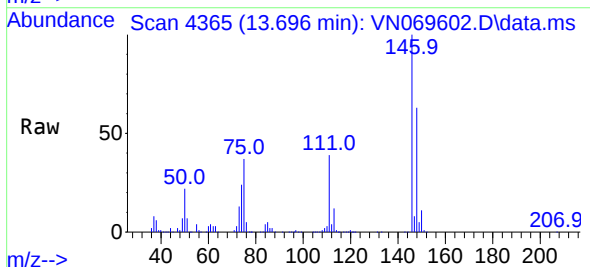
Tgt Ion:146 Resp: 393518
Ion Ratio Lower Upper
146 100
111 40.8 20.8 62.2
148 62.7 31.4 94.3

Manual Integrations
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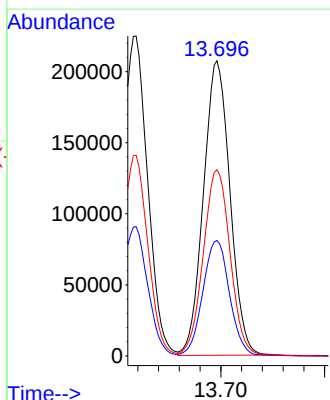
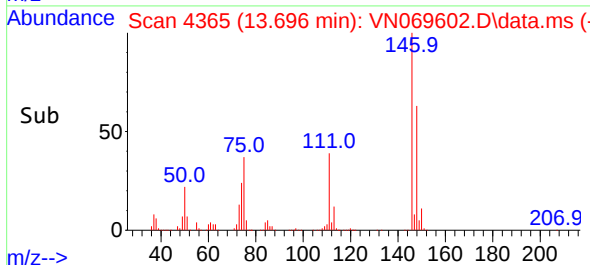
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

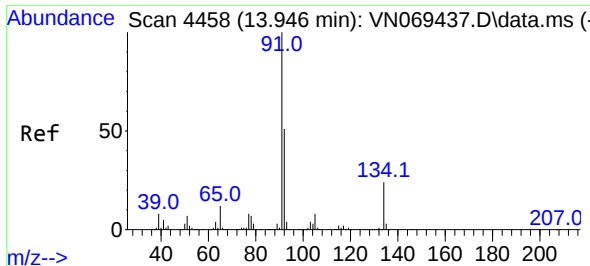


#84
1,4-Dichlorobenzene
Concen: 18.344 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



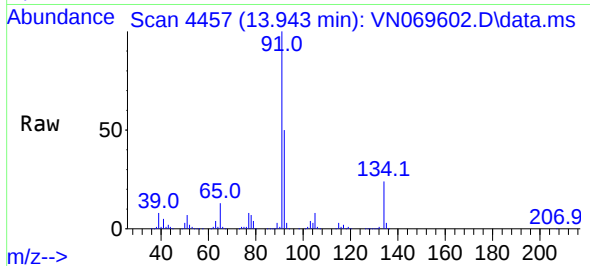
Tgt Ion:146 Resp: 368093
Ion Ratio Lower Upper
146 100
111 39.0 19.5 58.5
148 64.3 31.1 93.5





#85
n-Butylbenzene
Concen: 16.063 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

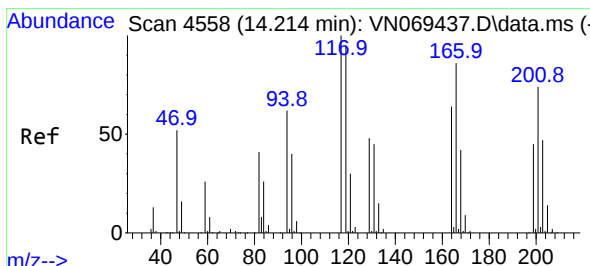
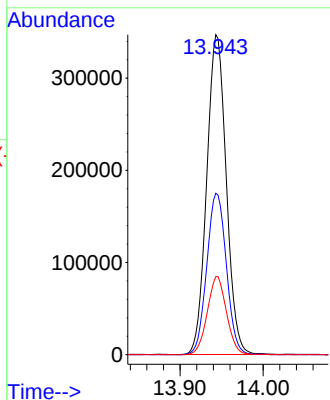
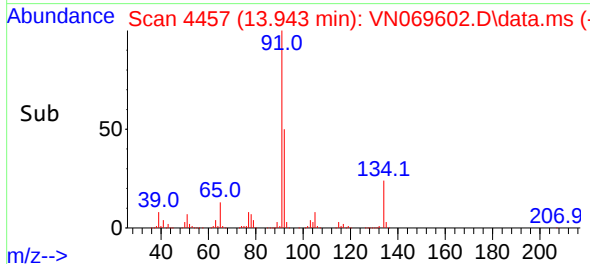
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



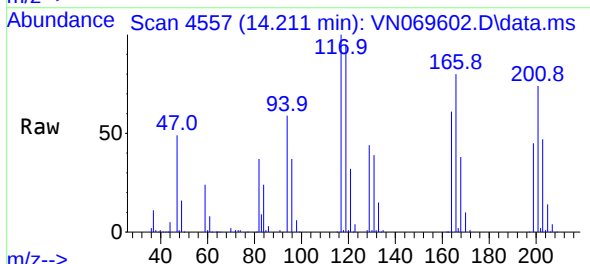
Tgt Ion: 91 Resp: 567099
Ion Ratio Lower Upper
91 100
92 50.6 0.0 100.6
134 24.1 0.0 50.2

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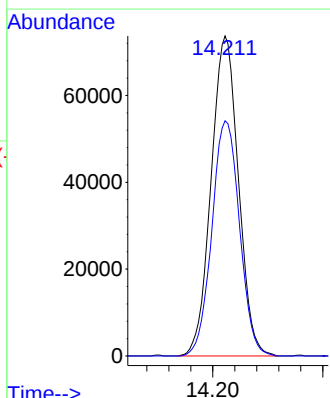
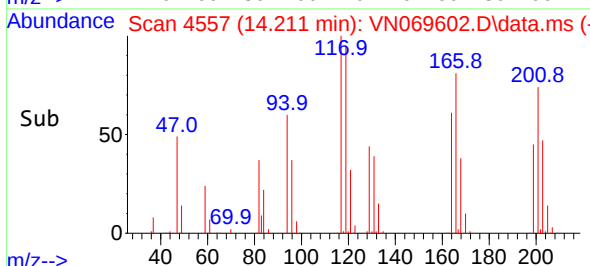
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

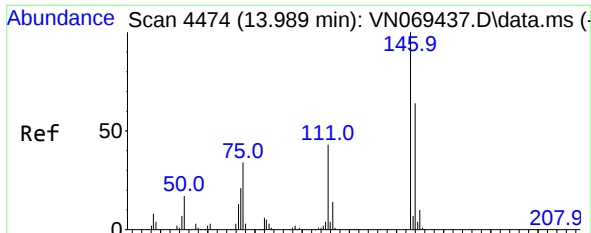


#86
Hexachloroethane
Concen: 18.152 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



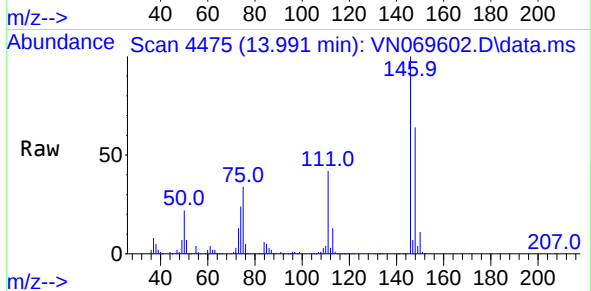
Tgt Ion:117 Resp: 127077
Ion Ratio Lower Upper
117 100
201 74.4 33.3 99.8





#87
1,2-Dichlorobenzene
Concen: 19.489 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

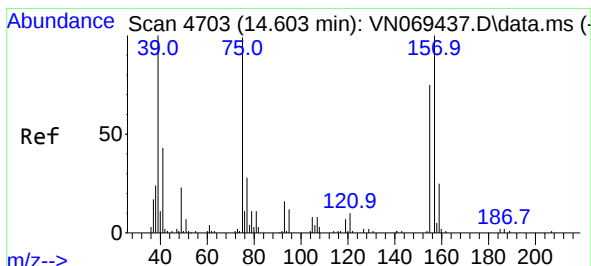
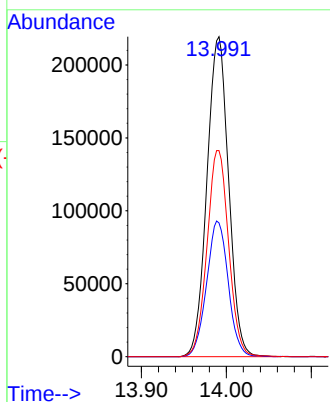
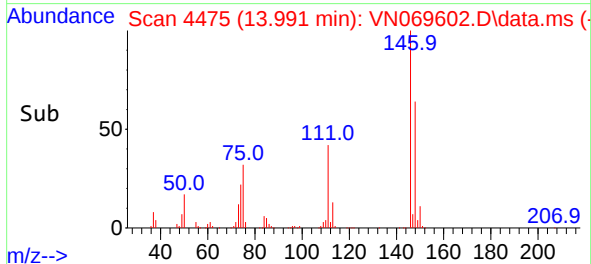
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



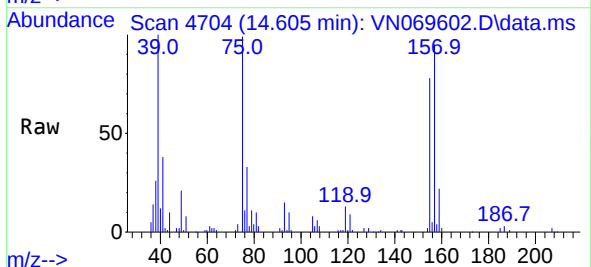
Tgt Ion:146 Resp: 38904
Ion Ratio Lower Upper
146 100
111 42.2 21.4 64.2
148 64.1 32.5 97.4

Manual Integrations
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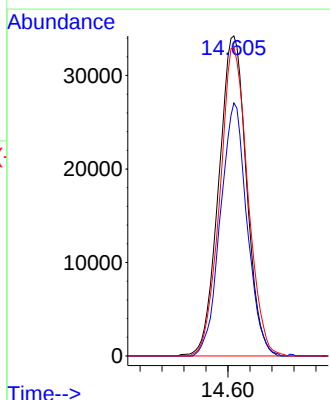
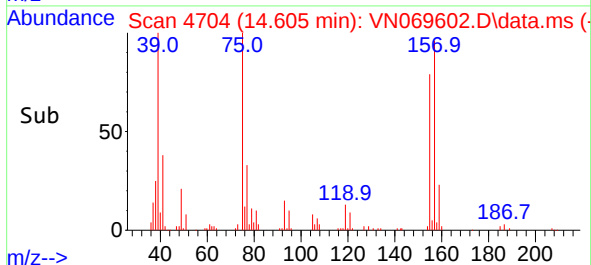
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

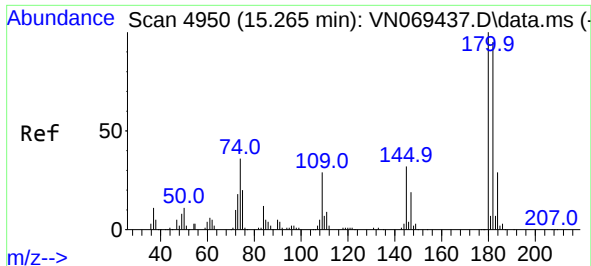


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.763 ug/l
RT: 14.605 min Scan# 4704
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



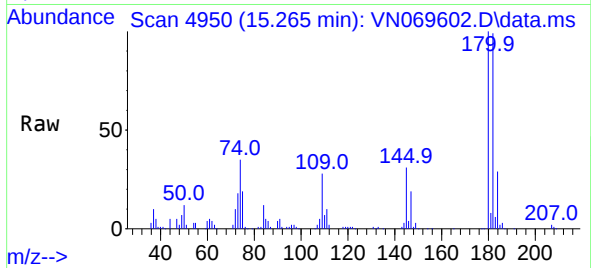
Tgt Ion: 75 Resp: 59910
Ion Ratio Lower Upper
75 100
155 75.8 63.8 95.8
157 96.9 77.9 116.9





#89
1,2,4-Trichlorobenzene
Concen: 16.249 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

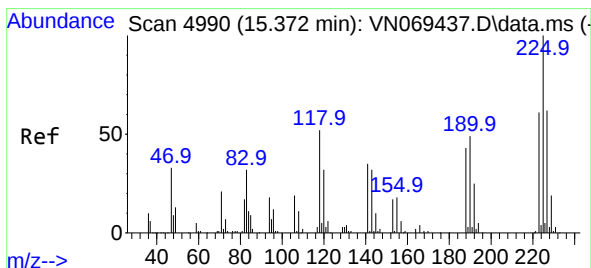
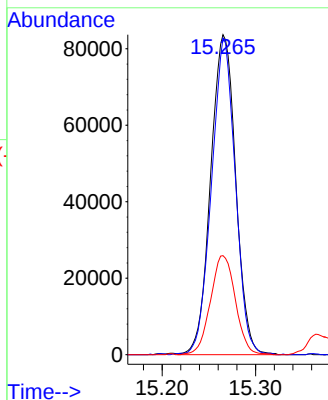
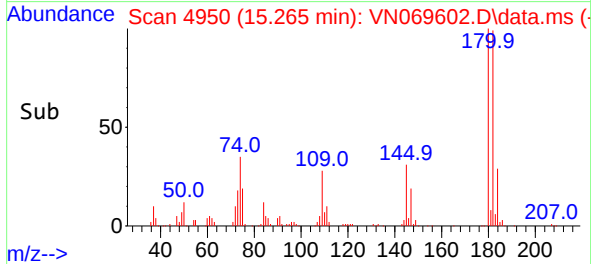
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



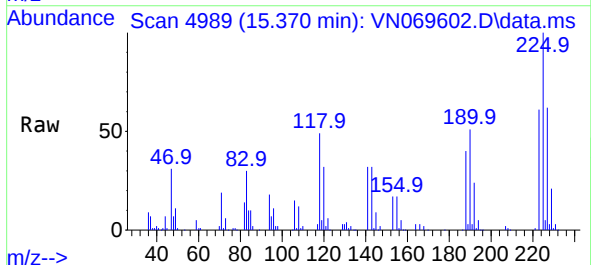
Tgt Ion:180 Resp: 155520
Ion Ratio Lower Upper
180 100
182 94.1 77.7 116.5
145 30.9 26.6 39.8

Manual Integrations
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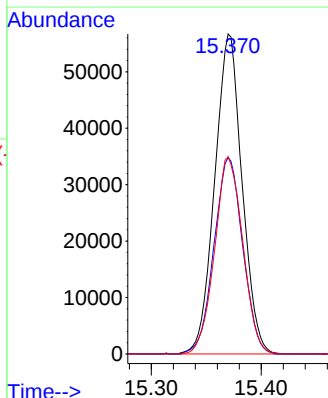
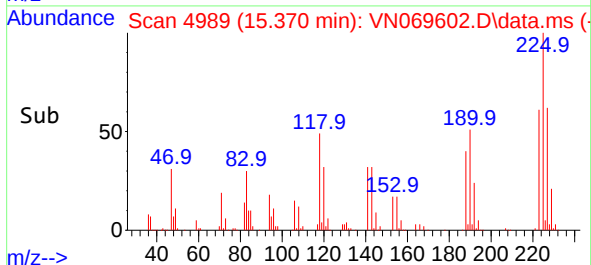
Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021

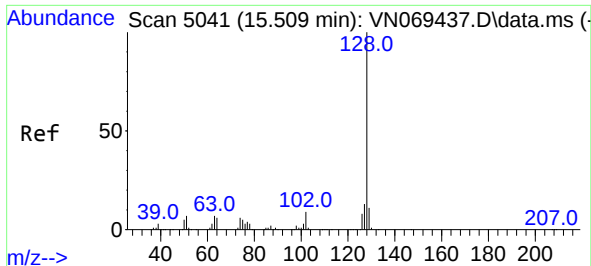


#90
Hexachlorobutadiene
Concen: 18.938 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



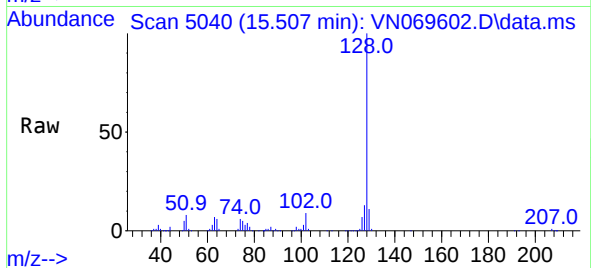
Tgt Ion:225 Resp: 98022
Ion Ratio Lower Upper
225 100
223 64.4 0.0 126.8
227 63.4 0.0 123.0





#91
Naphthalene
Concen: 14.009 ug/l
RT: 15.507 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20

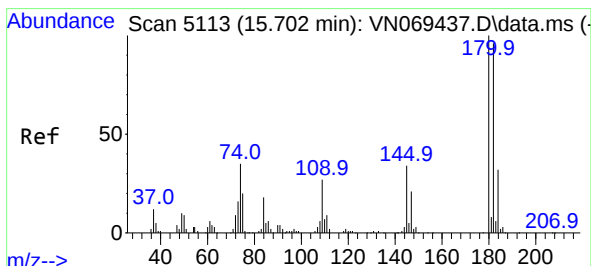
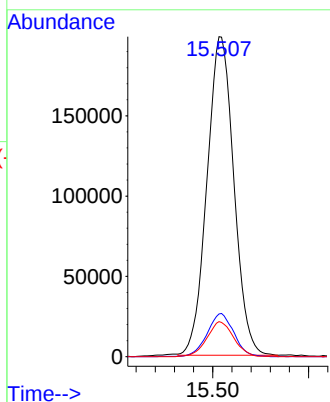
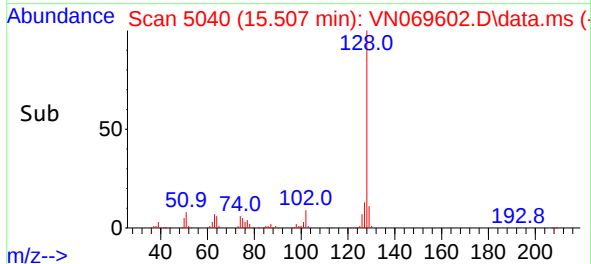
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



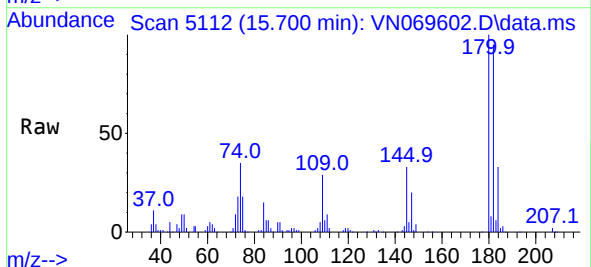
Tgt Ion:128 Resp: 386260
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 11.0 9.0 13.6

Manual Integrations
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Reviewed By :John Carlone 11/23/2021
Supervised By :Mahesh Dadoda 11/23/2021



#92
1,2,3-Trichlorobenzene
Concen: 16.647 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.003 min
Lab File: VN069602.D
Acq: 22 Nov 2021 11:20



Tgt Ion:180 Resp: 156634
Ion Ratio Lower Upper
180 100
182 94.4 0.0 190.0
145 32.1 0.0 67.8

