

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069803.D
 Acq On : 7 Dec 2021 9:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 08 04:30:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	1104580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1786474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1672088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	745755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	796698	46.714	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.420%		
35) Dibromofluoromethane	8.018	113	549041	49.065	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.120%		
50) Toluene-d8	10.440	98	2173624	48.376	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.760%		
62) 4-Bromofluorobenzene	12.728	95	813599	49.982	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.072	85	664055	51.544	ug/l	100
3) Chloromethane	2.303	50	731892	45.346	ug/l	98
4) Vinyl Chloride	2.448	62	719352	48.470	ug/l	100
5) Bromomethane	2.842	94	410629	50.928	ug/l	99
6) Chloroethane	3.014	64	432768	47.586	ug/l	99
7) Trichlorofluoromethane	3.376	101	973096	49.958	ug/l	98
8) Diethyl Ether	3.821	74	367567	48.996	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.205	101	573385	52.514	ug/l	96
10) Methyl Iodide	4.417	142	689416	46.219	ug/l	97
11) Tert butyl alcohol	5.374	59	604849	187.622	ug/l	98
12) 1,1-Dichloroethene	4.178	96	530110	50.383	ug/l	91
13) Acrolein	4.038	56	915168	333.356	ug/l	97
14) Allyl chloride	4.838	41	1167250	49.233	ug/l	95
15) Acrylonitrile	5.551	53	1846040	212.509	ug/l	99
16) Acetone	4.282	43	2555947	249.137	ug/l	96
17) Carbon Disulfide	4.529	76	1359284	50.006	ug/l	98
18) Methyl Acetate	4.851	43	1305735	42.166	ug/l	92
19) Methyl tert-butyl Ether	5.613	73	2012378	49.190	ug/l	96
20) Methylene Chloride	5.092	84	635603	46.604	ug/l	87
21) trans-1,2-Dichloroethene	5.597	96	568938	49.784	ug/l	87
22) Diisopropyl ether	6.492	45	2332182	50.327	ug/l	96
23) Vinyl Acetate	6.431	43	9497680	251.923	ug/l	95
24) 1,1-Dichloroethane	6.385	63	1195120	49.787	ug/l	98
25) 2-Butanone	7.332	43	3122272	223.991	ug/l	91
26) 2,2-Dichloropropane	7.324	77	995300	53.327	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	682209	49.410	ug/l	86
28) Bromochloromethane	7.656	49	570194	45.678	ug/l #	80
29) Tetrahydrofuran	7.681	42	1748506	206.575	ug/l	88
30) Chloroform	7.815	83	1206590	49.770	ug/l	100
31) Cyclohexane	8.094	56	1162821	48.993	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	1046043	50.654	ug/l	96
36) 1,1-Dichloropropene	8.220	75	896957	52.741	ug/l	97
37) Ethyl Acetate	7.410	43	1111189	43.899	ug/l	95
38) Carbon Tetrachloride	8.203	117	875978	52.526	ug/l	98
39) Methylcyclohexane	9.459	83	1113777	55.058	ug/l	90
40) Benzene	8.458	78	2641904	50.823	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	551129	46.382	ug/l	90
42) 1,2-Dichloroethane	8.528	62	1060798	50.552	ug/l	96
43) Isopropyl Acetate	8.558	43	1788033	47.734	ug/l #	95
44) Trichloroethene	9.215	130	644668	51.959	ug/l	90
45) 1,2-Dichloropropane	9.488	63	723971	51.863	ug/l	100
46) Dibromomethane	9.577	93	462513	50.521	ug/l	93
47) Bromodichloromethane	9.759	83	938733	54.157	ug/l	99
48) Methyl methacrylate	9.558	41	821158	46.975	ug/l	87
49) 1,4-Dioxane	9.569	88	256383	817.395	ug/l #	86
51) 4-Methyl-2-Pentanone	10.328	43	5613753	231.018	ug/l	95
52) Toluene	10.502	92	1653746	52.109	ug/l	99
53) t-1,3-Dichloropropene	10.717	75	1006966	48.389	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	1091218	49.871	ug/l #	89
55) 1,1,2-Trichloroethane	10.896	97	649690	50.737	ug/l	98
56) Ethyl methacrylate	10.759	69	1098802	45.684	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	1145233	50.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.038	63	1414567	219.247	ug/l	92
59) 2-Hexanone	11.084	43	4325552	235.312	ug/l	93
60) Dibromochloromethane	11.237	129	665969	48.609	ug/l	99
61) 1,2-Dibromoethane	11.344	107	668066	50.371	ug/l	99
64) Tetrachloroethene	10.977	164	584590	51.561	ug/l	95
65) Chlorobenzene	11.768	112	1760113	51.888	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	640352	53.634	ug/l	99
67) Ethyl Benzene	11.843	91	3323254	53.933	ug/l	96
68) m/p-Xylenes	11.950	106	2467434	109.978	ug/l	93
69) o-Xylene	12.280	106	1215816	53.800	ug/l	92
70) Styrene	12.294	104	2006412	55.991	ug/l	96
71) Bromoform	12.457	173	479152	47.090	ug/l #	100
73) Isopropylbenzene	12.578	105	3228578	48.659	ug/l	99
74) N-amyl acetate	12.387	43	1359547	46.333	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.825	83	1006408	43.863	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	897777m	41.979	ug/l	
77) Bromobenzene	12.859	156	737621	47.329	ug/l	80
78) n-propylbenzene	12.918	91	3813095	51.644	ug/l	96
79) 2-Chlorotoluene	13.004	91	2290350	49.092	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2711666	50.776	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.623	75	282968	43.848	ug/l	93
82) 4-Chlorotoluene	13.103	91	2226925	50.756	ug/l	93
83) tert-Butylbenzene	13.323	119	2325904	49.185	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	2654915	52.200	ug/l	97
85) sec-Butylbenzene	13.500	105	3314494	51.674	ug/l	98
86) p-Isopropyltoluene	13.613	119	2700418	53.860	ug/l	96
87) 1,3-Dichlorobenzene	13.613	146	1302879	50.887	ug/l	97
88) 1,4-Dichlorobenzene	13.693	146	1269369	50.449	ug/l	98
89) n-Butylbenzene	13.940	91	2245642	55.215	ug/l	97
90) Hexachloroethane	14.208	117	448467	50.947	ug/l	89
91) 1,2-Dichlorobenzene	13.986	146	1244337	49.879	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	178689	43.099	ug/l	80
93) 1,2,4-Trichlorobenzene	15.262	180	572681	46.989	ug/l	98
94) Hexachlorobutadiene	15.370	225	347403	52.545	ug/l	99
95) Naphthalene	15.504	128	1389286	39.067	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	538744	45.414	ug/l	99

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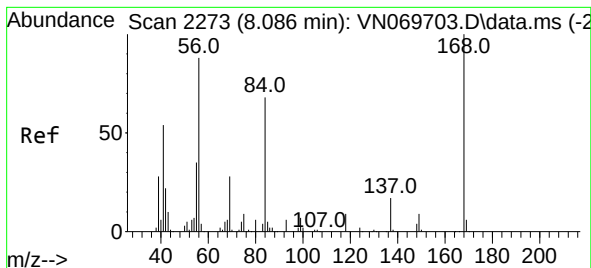
Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



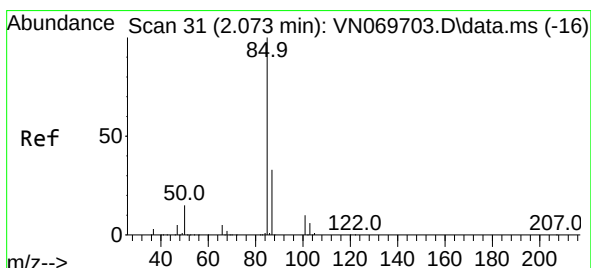
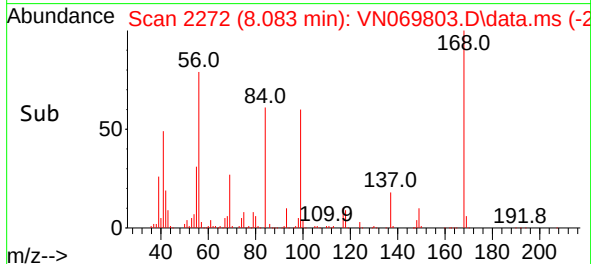
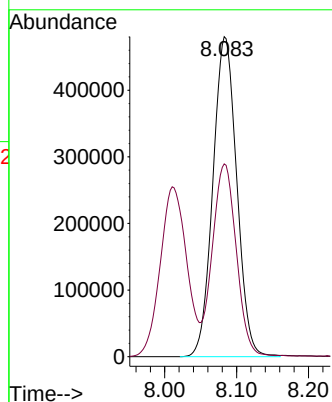
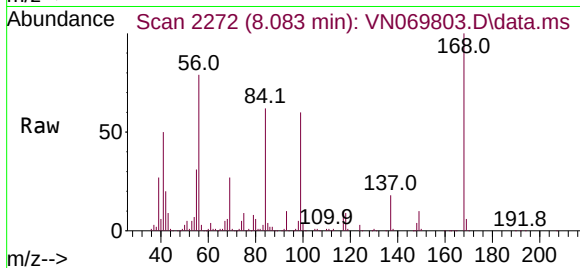
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

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MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 1104580
Ion Ratio Lower Upper
168 100
99 59.9 41.3 61.9

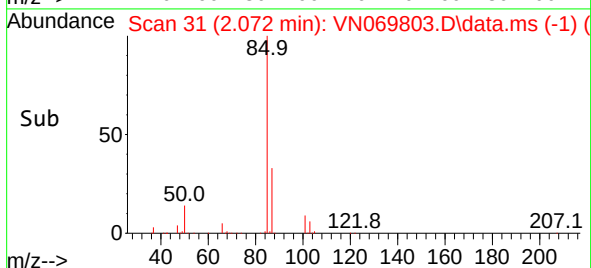
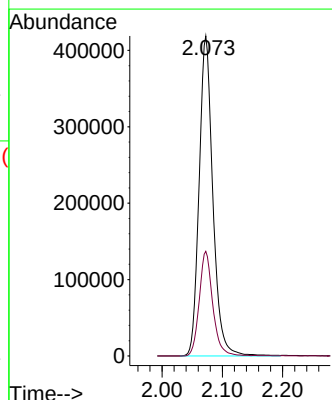
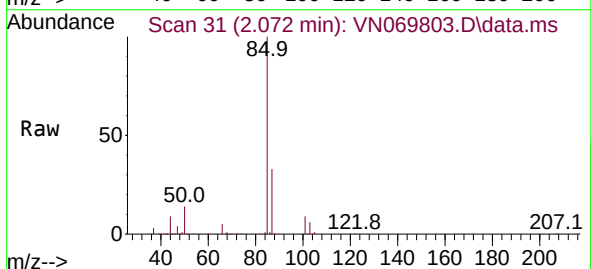
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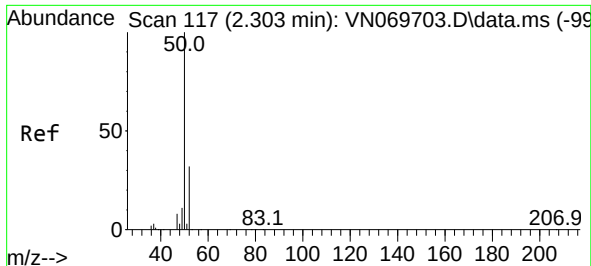
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#2
Dichlorodifluoromethane
Concen: 51.544 ug/l
RT: 2.072 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

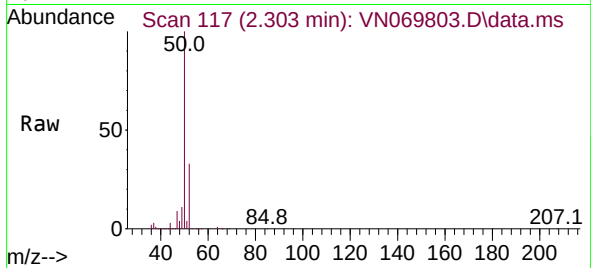
Tgt Ion: 85 Resp: 664055
Ion Ratio Lower Upper
85 100
87 32.7 16.3 48.9





#3
Chloromethane
Concen: 45.346 ug/l
RT: 2.303 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

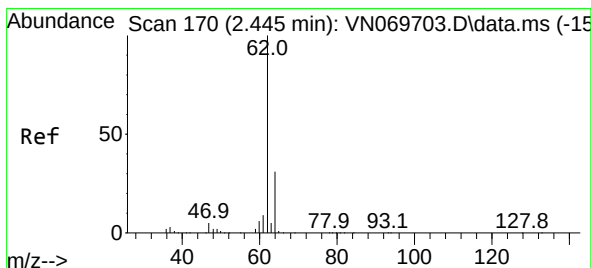
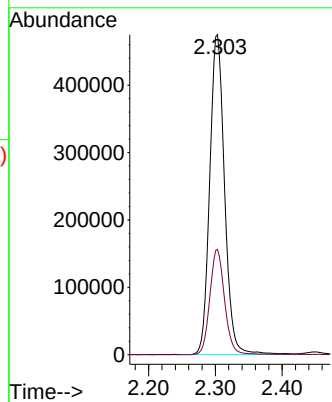
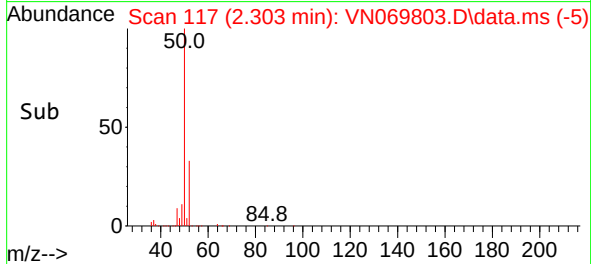
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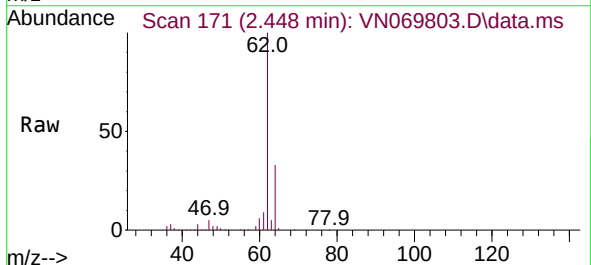
Tgt Ion: 50 Resp: 731892
Ion Ratio Lower Upper
50 100
52 32.9 25.4 38.0

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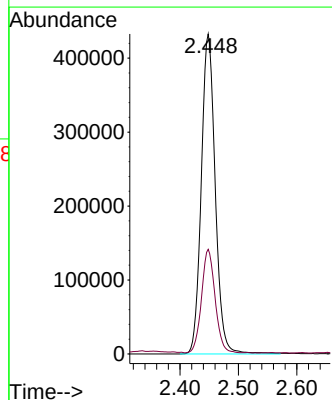
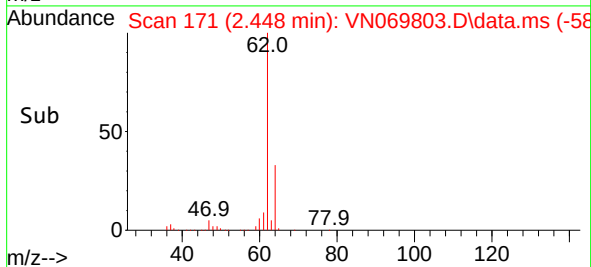
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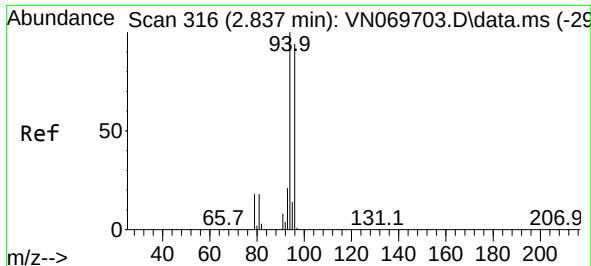


#4
Vinyl Chloride
Concen: 48.470 ug/l
RT: 2.448 min Scan# 171
Delta R.T. 0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



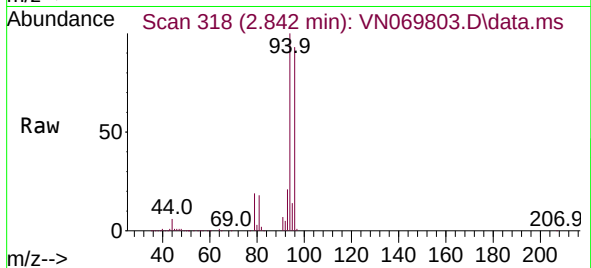
Tgt Ion: 62 Resp: 719352
Ion Ratio Lower Upper
62 100
64 32.3 25.8 38.6





#5
Bromomethane
Concen: 50.928 ug/l
RT: 2.842 min Scan# 316
Delta R.T. 0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

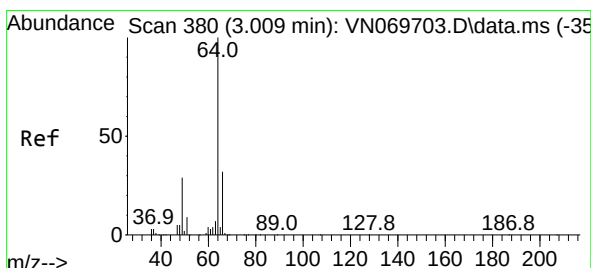
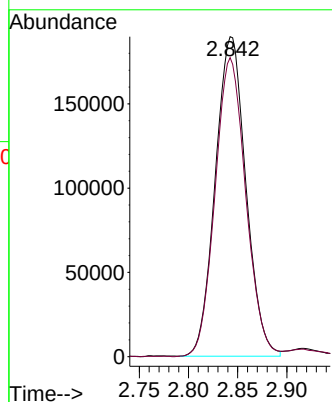
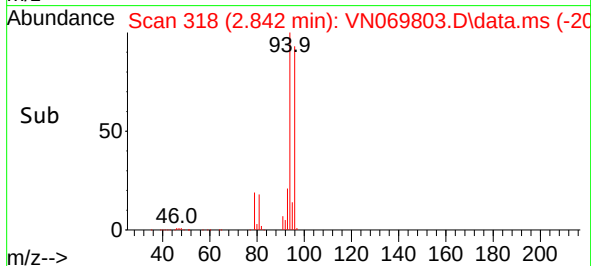
Instrument :
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Tgt Ion: 94 Resp: 410629
Ion Ratio Lower Upper
94 100
96 93.4 73.8 110.8

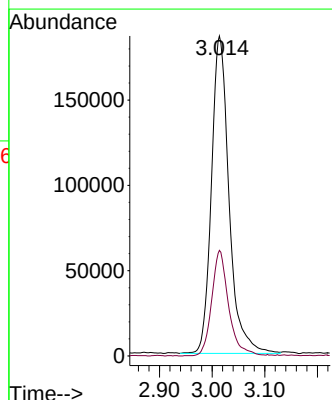
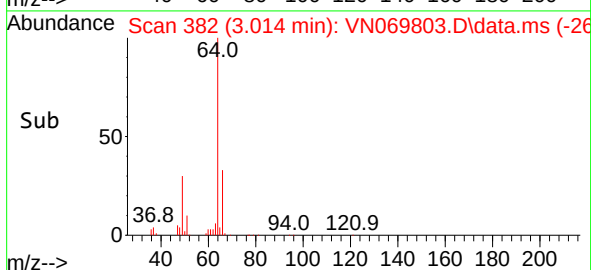
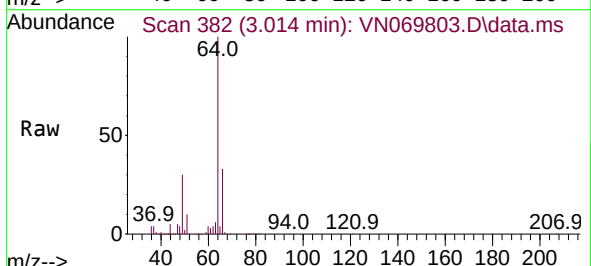
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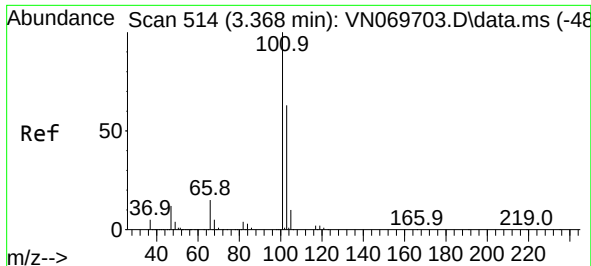
Reviewed By :John Carlone 12/08/2021
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#6
Chloroethane
Concen: 47.586 ug/l
RT: 3.014 min Scan# 382
Delta R.T. 0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Tgt Ion: 64 Resp: 432768
Ion Ratio Lower Upper
64 100
66 33.3 26.3 39.5





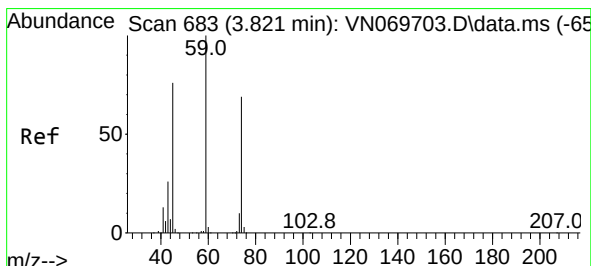
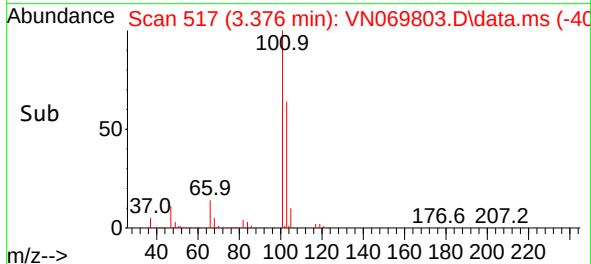
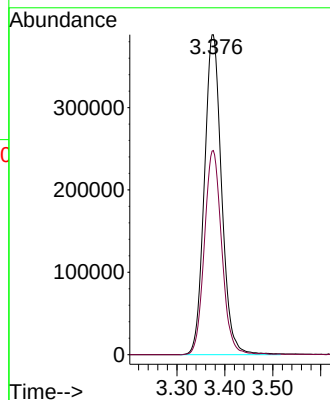
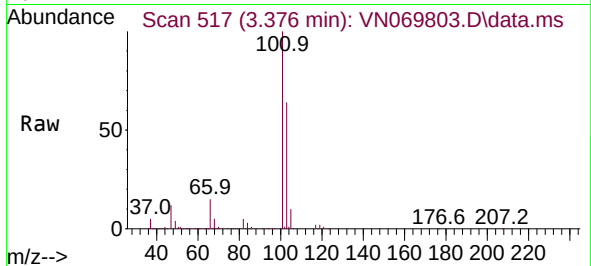
#7
 Trichlorofluoromethane
 Concen: 49.958 ug/l
 RT: 3.376 min Scan# 514
 Delta R.T. 0.008 min
 Lab File: VN069803.D
 Acq: 7 Dec 2021 9:49

Instrument :
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 ClientSampleId :
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Tgt Ion:101 Resp: 973090
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.1 75.1

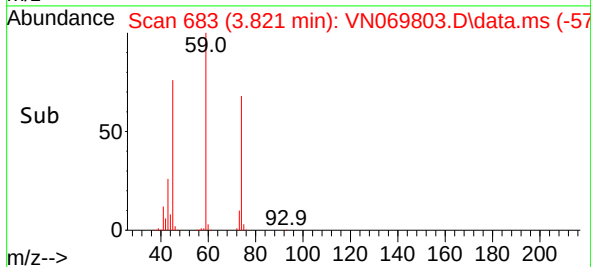
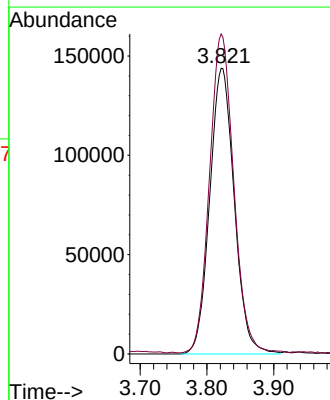
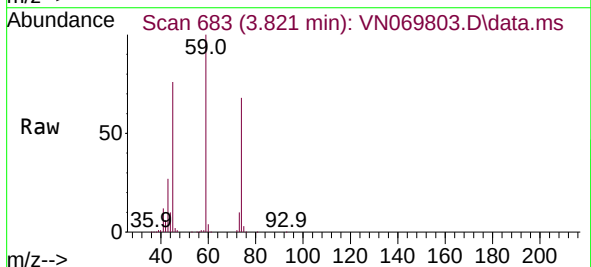
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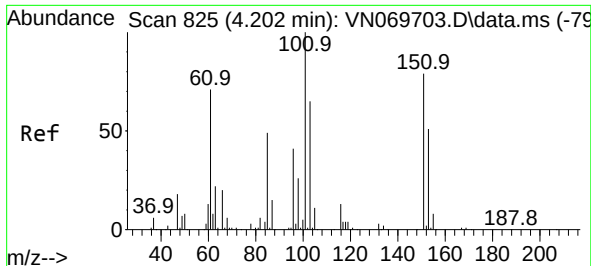
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#8
 Diethyl Ether
 Concen: 48.996 ug/l
 RT: 3.821 min Scan# 683
 Delta R.T. -0.000 min
 Lab File: VN069803.D
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Tgt Ion: 74 Resp: 367567
 Ion Ratio Lower Upper
 74 100
 45 110.2 47.0 141.2





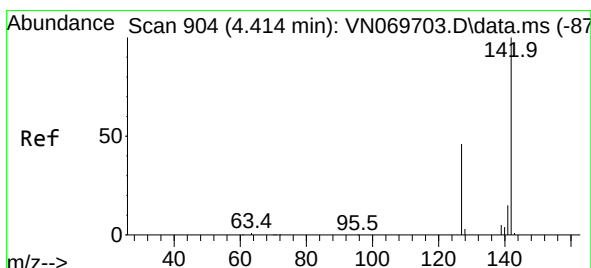
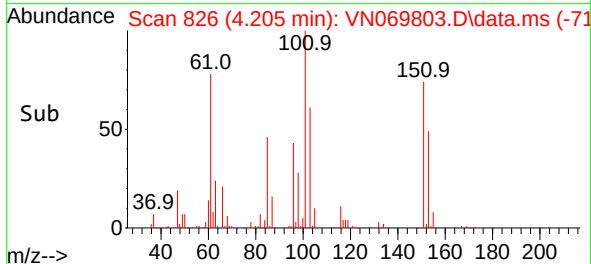
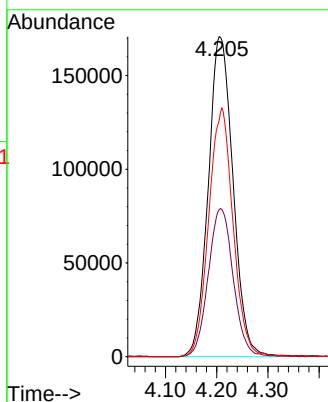
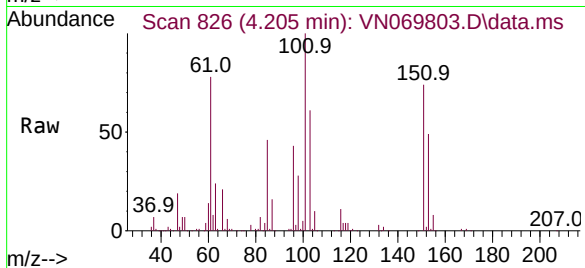
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.514 ug/l
RT: 4.205 min Scan# 81
Delta R.T. 0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
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ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 57338
Ion Ratio Lower Upper
101 100
85 46.6 37.2 55.8
151 76.5 65.9 98.9

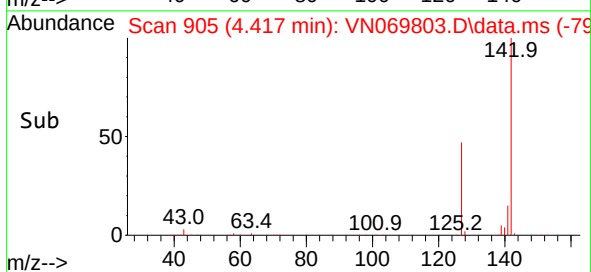
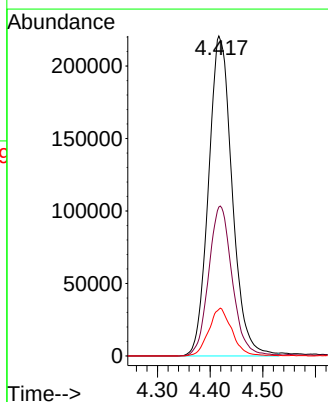
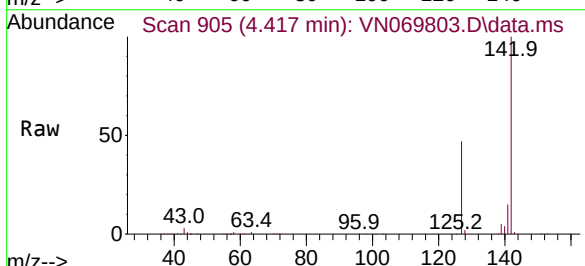
Manual Integrations
APPROVED

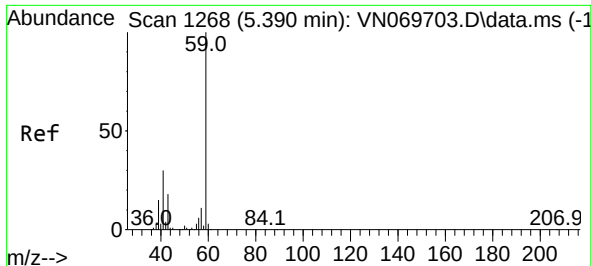
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#10
Methyl Iodide
Concen: 46.219 ug/l
RT: 4.417 min Scan# 905
Delta R.T. 0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

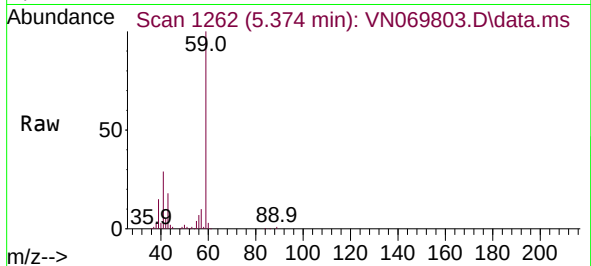
Tgt Ion:142 Resp: 689416
Ion Ratio Lower Upper
142 100
127 46.7 35.4 53.0
141 14.6 11.6 17.4





#11
Tert butyl alcohol
Concen: 187.622 ug/l
RT: 5.374 min Scan# 11
Delta R.T. -0.016 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

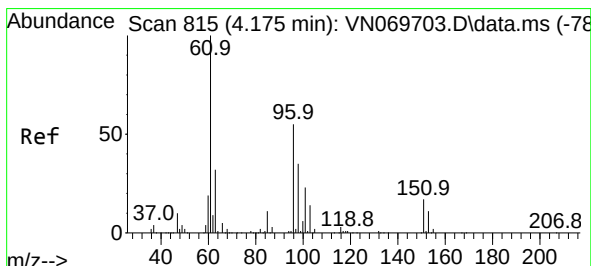
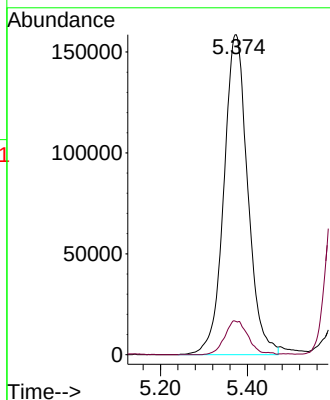
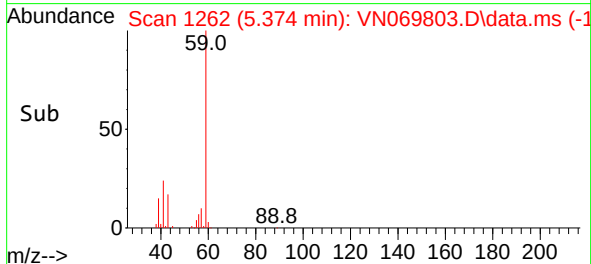
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



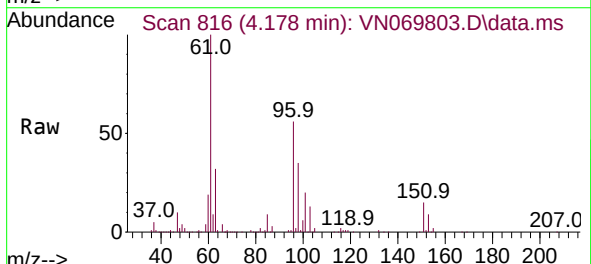
Tgt Ion: 59 Resp: 604849
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1

Manual Integrations
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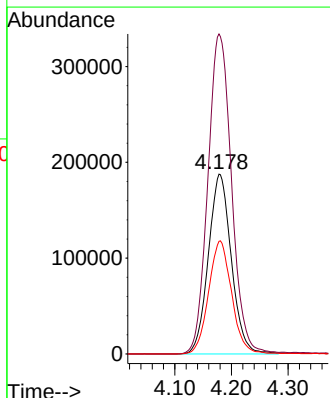
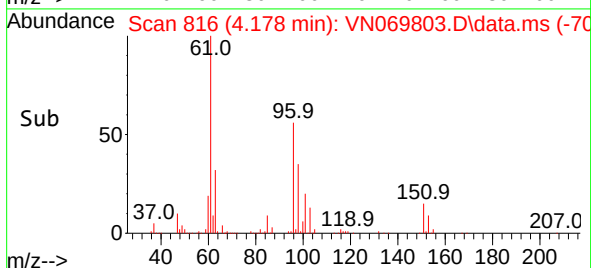
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

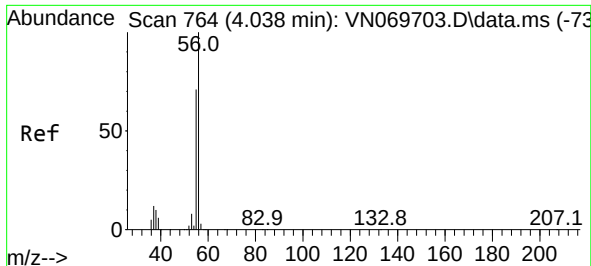


#12
1,1-Dichloroethene
Concen: 50.383 ug/l
RT: 4.178 min Scan# 816
Delta R.T. 0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



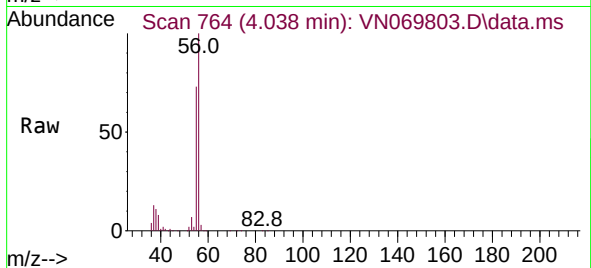
Tgt Ion: 96 Resp: 530110
Ion Ratio Lower Upper
96 100
61 177.9 131.0 196.6
98 62.7 52.4 78.6





#13
Acrolein
Concen: 333.356 ug/l
RT: 4.038 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

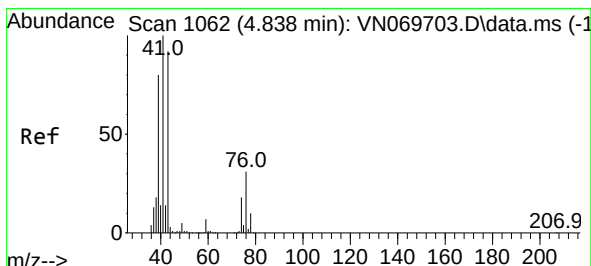
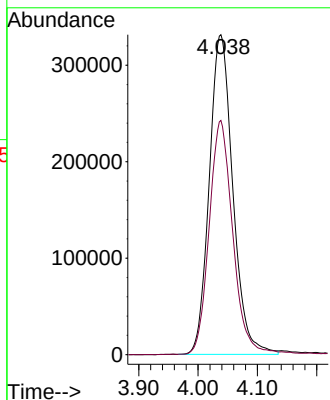
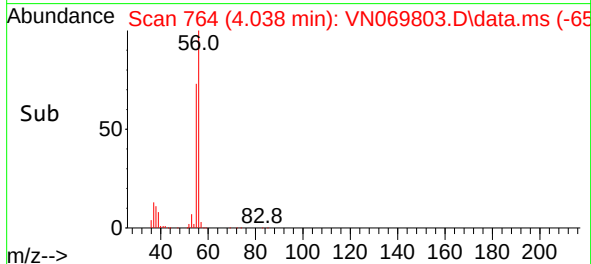
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



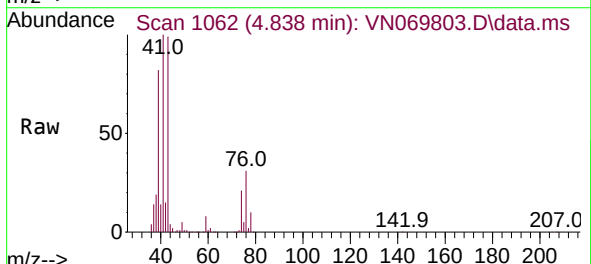
Tgt Ion: 56 Resp: 915168
Ion Ratio Lower Upper
56 100
55 72.9 56.6 85.0

Manual Integrations
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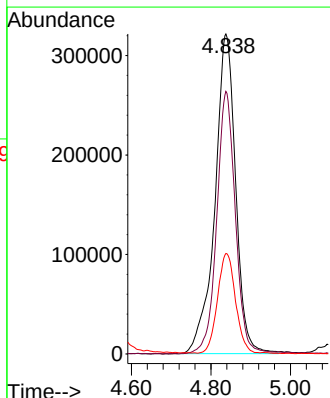
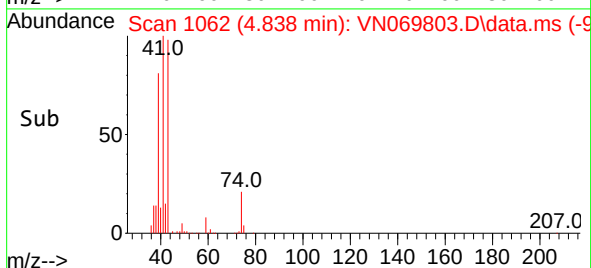
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

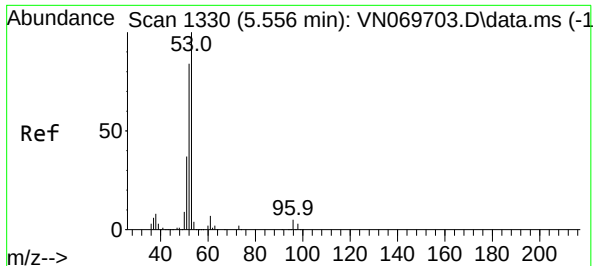


#14
Allyl chloride
Concen: 49.233 ug/l
RT: 4.838 min Scan# 1062
Delta R.T. -0.000 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



Tgt Ion: 41 Resp: 1167250
Ion Ratio Lower Upper
41 100
39 73.6 61.2 91.8
76 27.0 26.0 39.0





#15

Acrylonitrile

Concen: 212.509 ug/l

RT: 5.551 min Scan# 11

Delta R.T. -0.005 min

Lab File: VN069803.D

Acq: 7 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 1846040

Ion Ratio Lower Upper

53 100

52 84.1 66.2 99.2

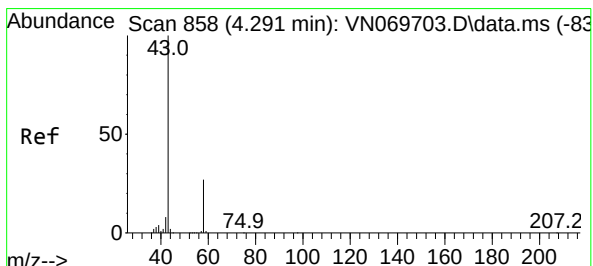
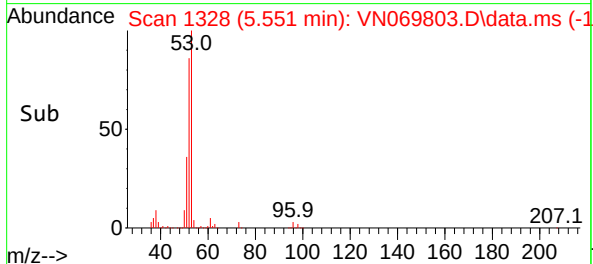
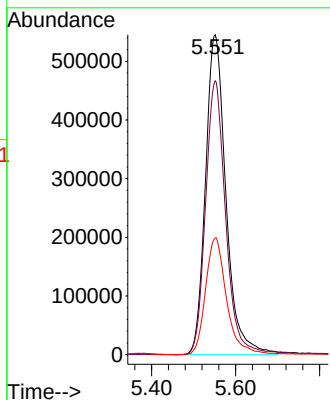
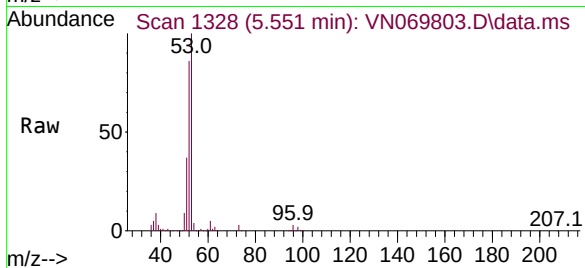
51 37.4 29.6 44.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#16

Acetone

Concen: 249.137 ug/l

RT: 4.282 min Scan# 855

Delta R.T. -0.008 min

Lab File: VN069803.D

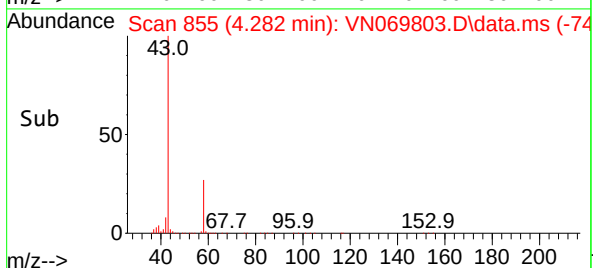
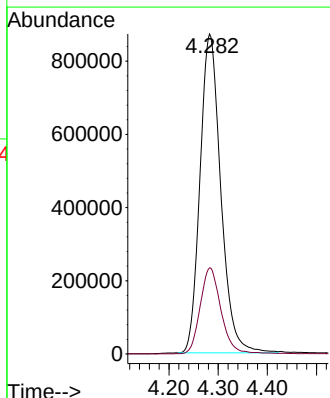
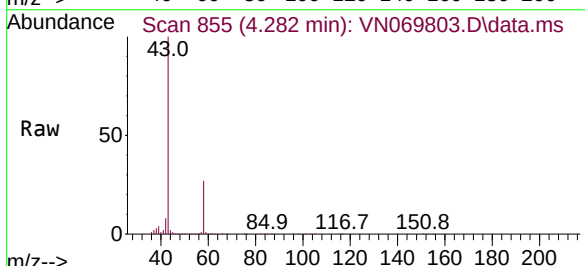
Acq: 7 Dec 2021 9:49

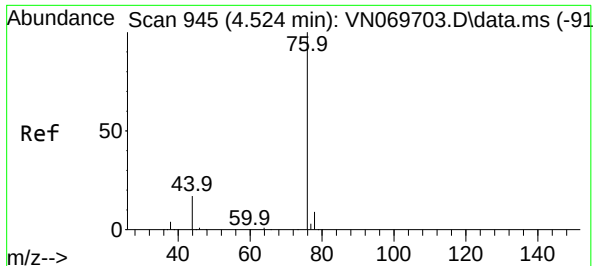
Tgt Ion: 43 Resp: 2555947

Ion Ratio Lower Upper

43 100

58 26.9 23.1 34.7





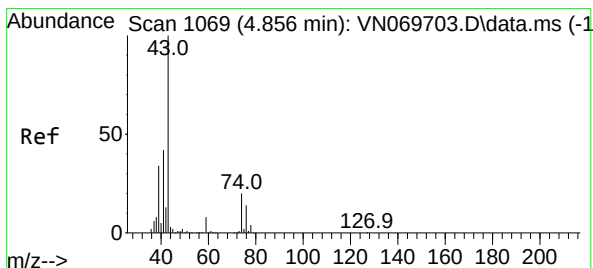
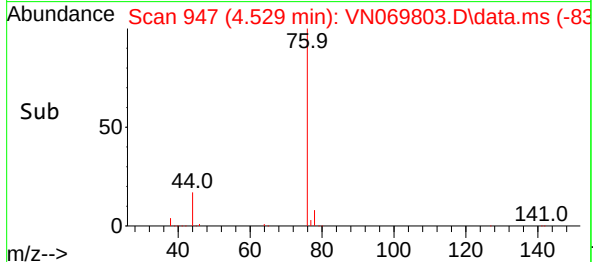
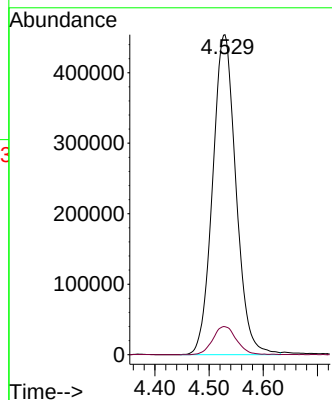
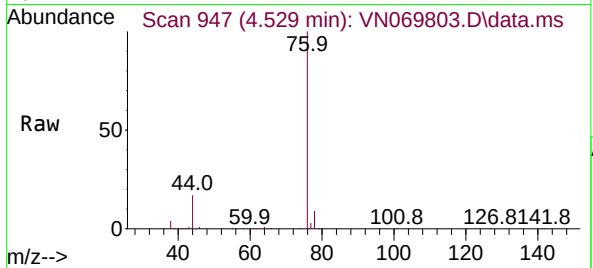
#17
Carbon Disulfide
Concen: 50.006 ug/l
RT: 4.529 min Scan# 945
Delta R.T. 0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1359284
Ion Ratio Lower Upper
76 100
78 8.7 7.5 11.3

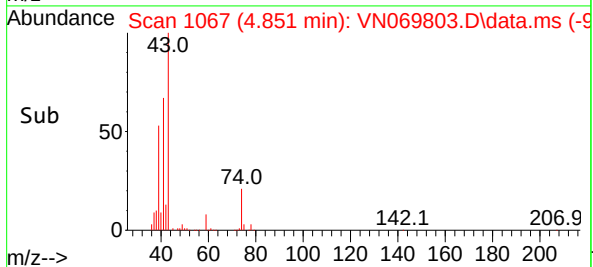
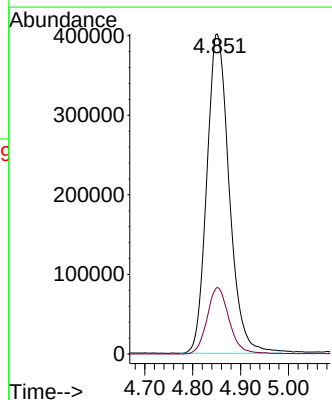
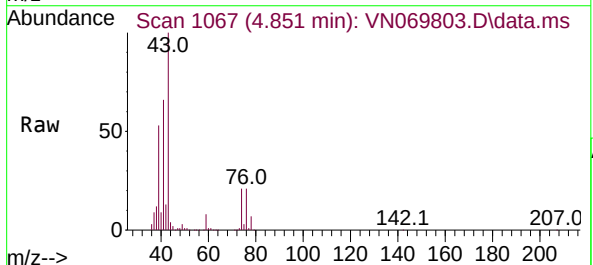
Manual Integrations
APPROVED

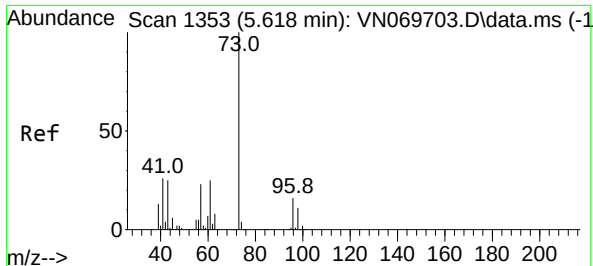
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#18
Methyl Acetate
Concen: 42.166 ug/l
RT: 4.851 min Scan# 1067
Delta R.T. -0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

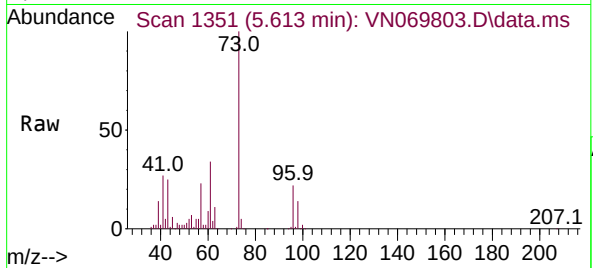
Tgt Ion: 43 Resp: 1305735
Ion Ratio Lower Upper
43 100
74 20.4 19.4 29.2





#19
Methyl tert-butyl Ether
Concen: 49.190 ug/l
RT: 5.613 min Scan# 1135
Delta R.T. -0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

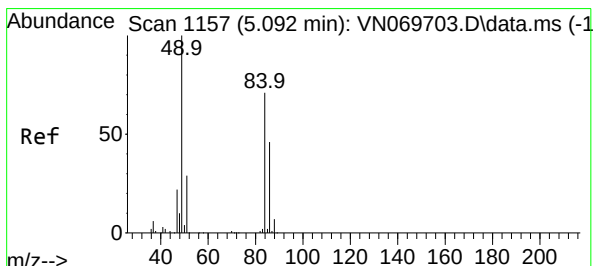
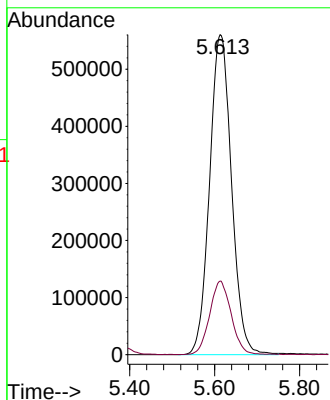
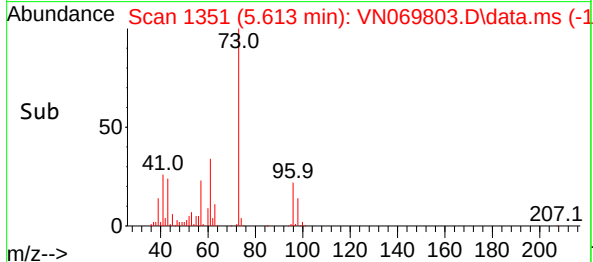
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 73 Resp: 2012378
Ion Ratio Lower Upper
73 100
57 23.0 16.8 25.2

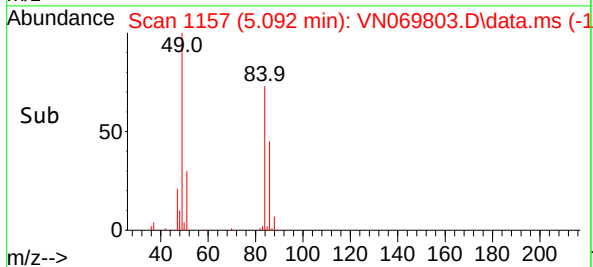
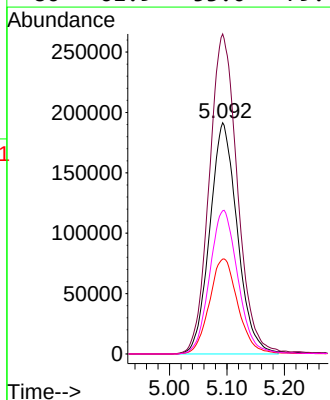
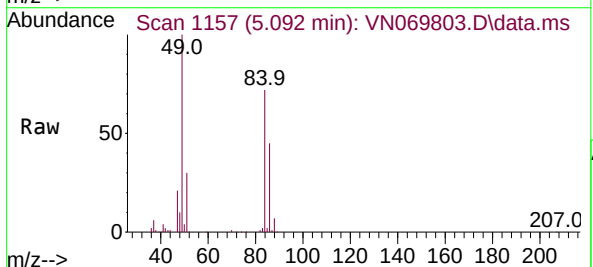
Manual Integrations
APPROVED

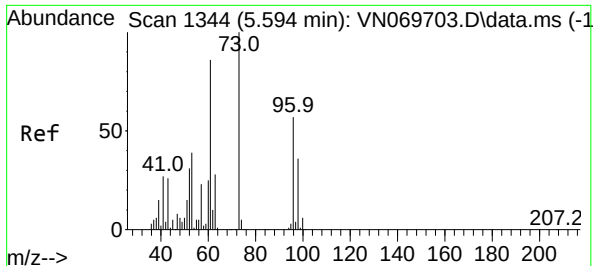
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#20
Methylene Chloride
Concen: 46.604 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

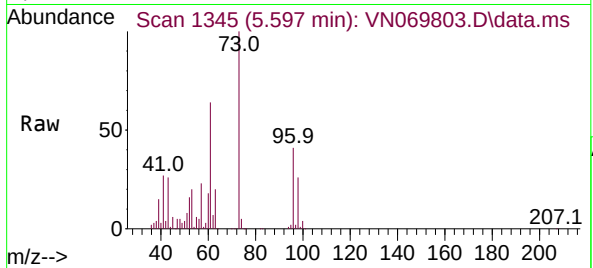
Tgt Ion: 84 Resp: 635603
Ion Ratio Lower Upper
84 100
49 138.1 93.5 140.3
51 41.0 29.4 44.2
86 61.9 53.0 79.4





#21
trans-1,2-Dichloroethene
Concen: 49.784 ug/l
RT: 5.597 min Scan# 11
Delta R.T. 0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

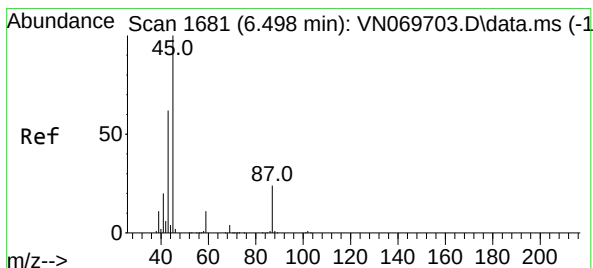
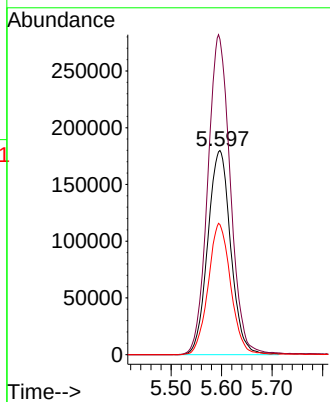
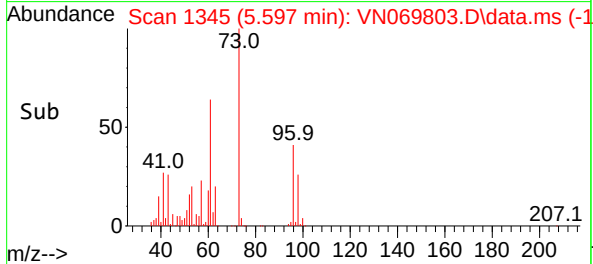
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 568938
Ion Ratio Lower Upper
96 100
61 154.4 105.8 158.6
98 63.7 52.0 78.0

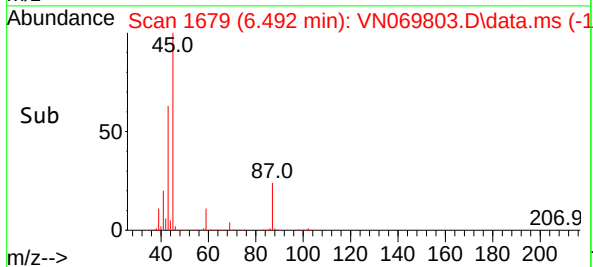
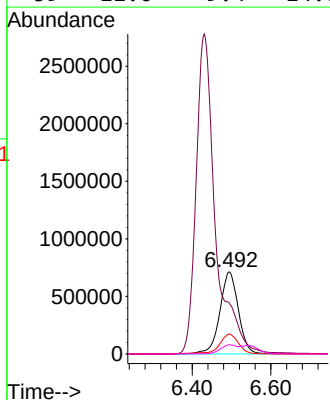
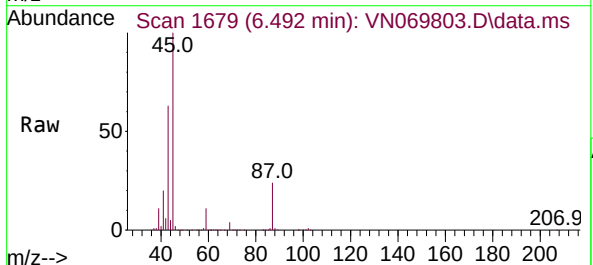
Manual Integrations
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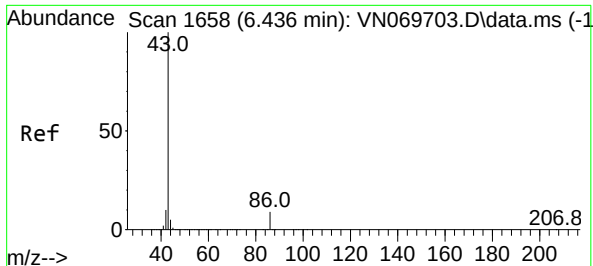
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#22
Diisopropyl ether
Concen: 50.327 ug/l
RT: 6.492 min Scan# 1679
Delta R.T. -0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

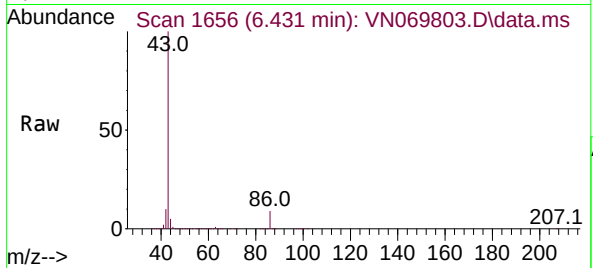
Tgt Ion: 45 Resp: 2332182
Ion Ratio Lower Upper
45 100
43 62.4 51.7 77.5
87 24.1 23.2 34.8
59 11.0 9.4 14.0





#23
 Vinyl Acetate
 Concen: 251.923 ug/l
 RT: 6.431 min Scan# 1656
 Delta R.T. -0.005 min
 Lab File: VN069803.D
 Acq: 7 Dec 2021 9:49

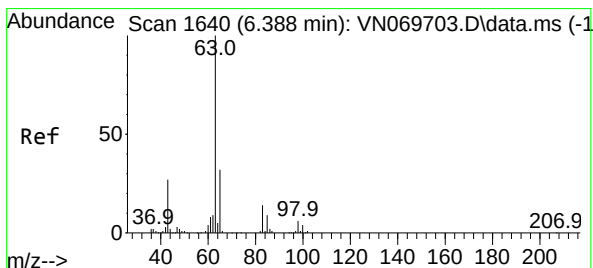
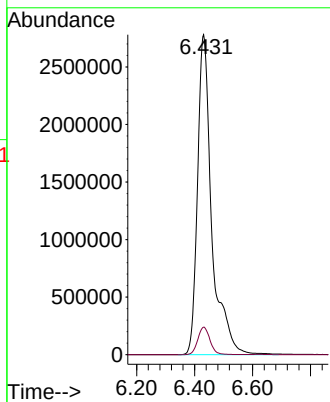
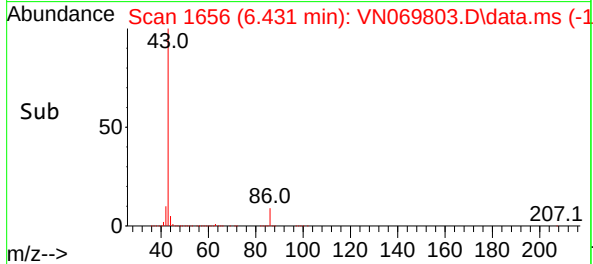
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



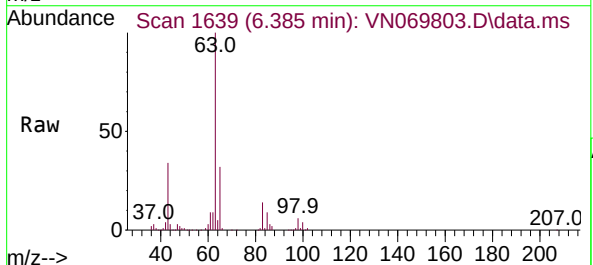
Tgt Ion: 43 Resp: 9497680
 Ion Ratio Lower Upper
 43 100
 86 8.6 8.5 12.7

Manual Integrations
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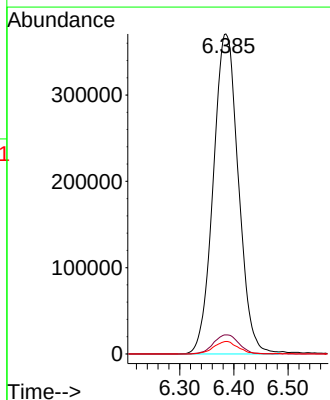
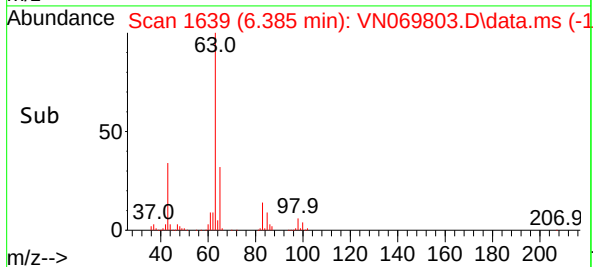
Reviewed By :John Carlone 12/08/2021
 Supervised By :Amit Patel 12/14/2021

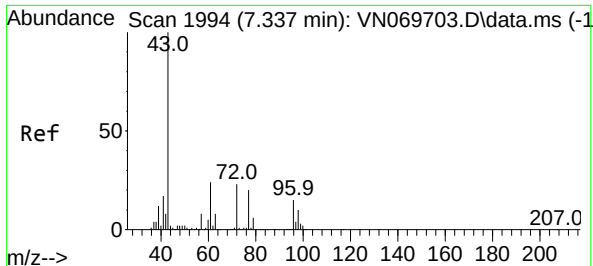


#24
 1,1-Dichloroethane
 Concen: 49.787 ug/l
 RT: 6.385 min Scan# 1639
 Delta R.T. -0.003 min
 Lab File: VN069803.D
 Acq: 7 Dec 2021 9:49



Tgt Ion: 63 Resp: 1195120
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.3 9.9
 100 3.9 2.1 6.5





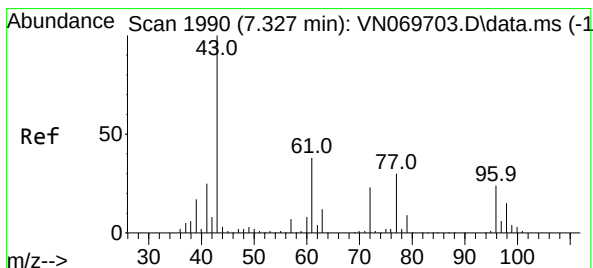
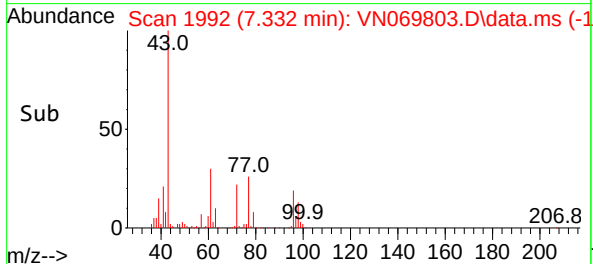
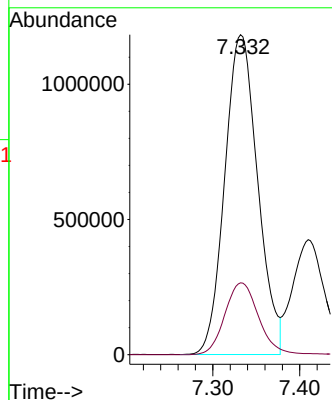
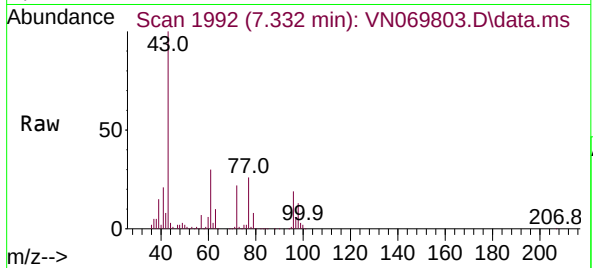
#25
2-Butanone
Concen: 223.991 ug/l
RT: 7.332 min Scan# 1989
Delta R.T. -0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 312227
Ion Ratio Lower Upper
43 100
72 22.5 21.7 32.5

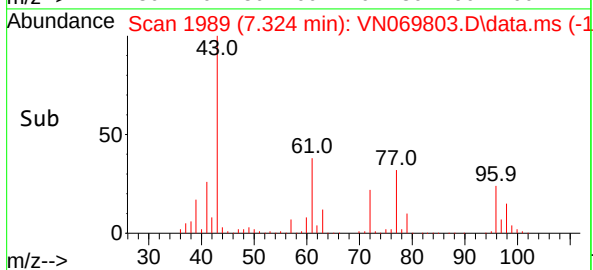
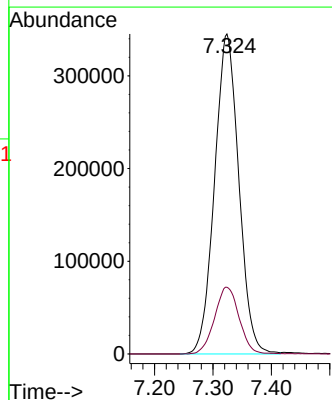
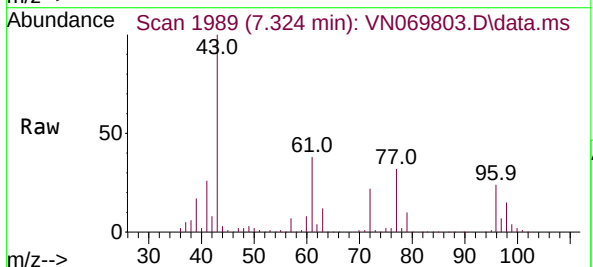
Manual Integrations
APPROVED

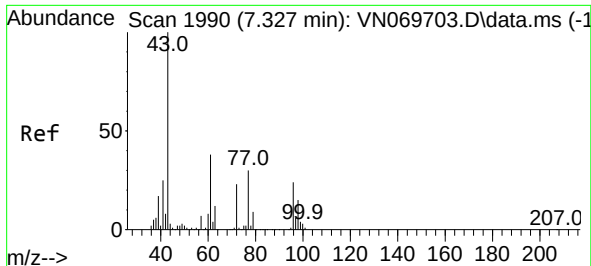
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#26
2,2-Dichloropropane
Concen: 53.327 ug/l
RT: 7.324 min Scan# 1989
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Tgt Ion: 77 Resp: 995300
Ion Ratio Lower Upper
77 100
97 21.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 49.410 ug/l

RT: 7.324 min Scan# 1990

Delta R.T. -0.003 min

Lab File: VN069803.D

Acq: 7 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 682209

Ion Ratio Lower Upper

96 100

61 162.3 0.0 275.0

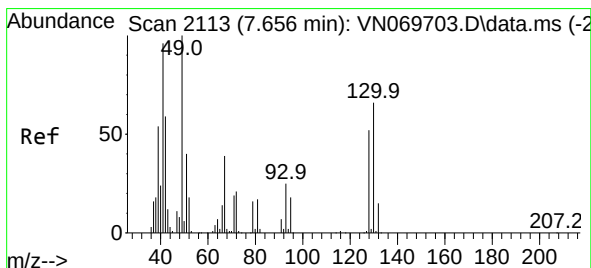
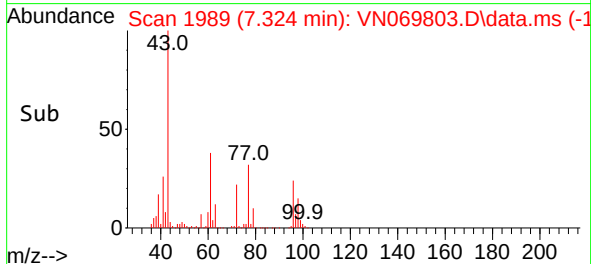
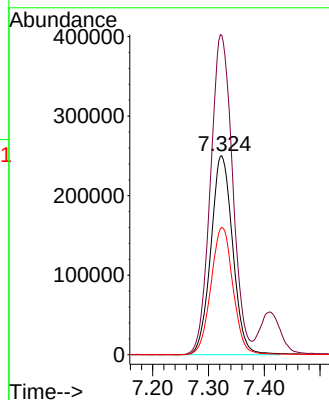
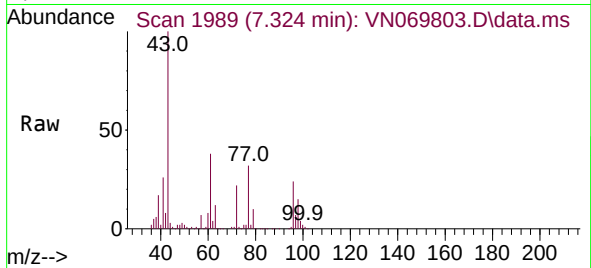
98 64.4 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#28

Bromochloromethane

Concen: 45.678 ug/l

RT: 7.656 min Scan# 2113

Delta R.T. -0.000 min

Lab File: VN069803.D

Acq: 7 Dec 2021 9:49

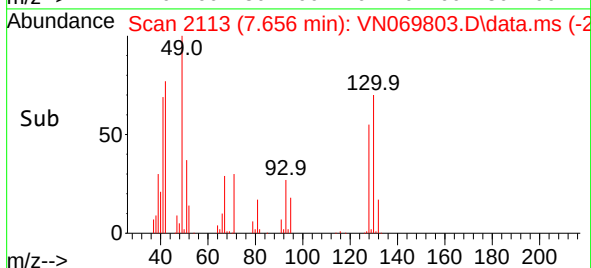
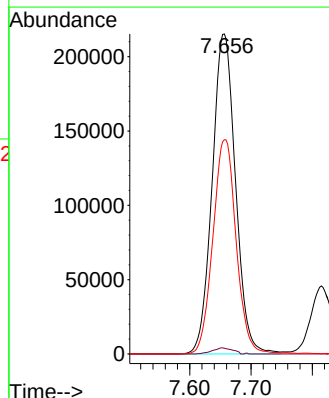
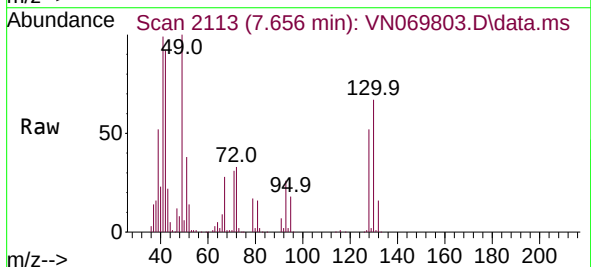
Tgt Ion: 49 Resp: 570194

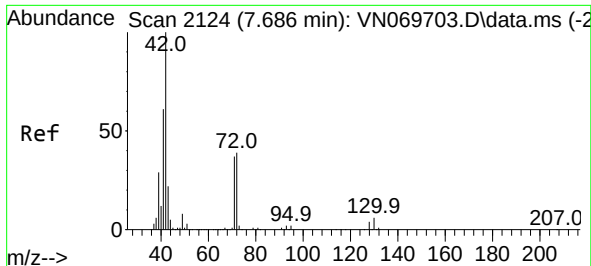
Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.0

130 66.6 67.8 101.8#





#29

Tetrahydrofuran

Concen: 206.575 ug/l

RT: 7.681 min Scan# 2124

Delta R.T. -0.005 min

Lab File: VN069803.D

Acq: 7 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 1748500

Ion Ratio Lower Upper

42 100

72 37.8 36.3 54.5

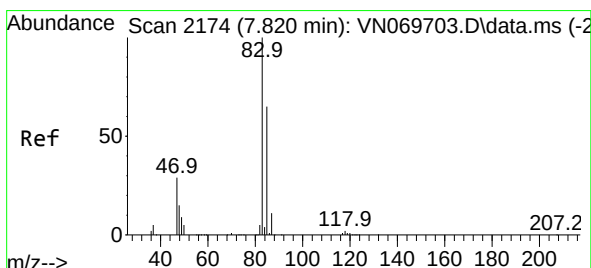
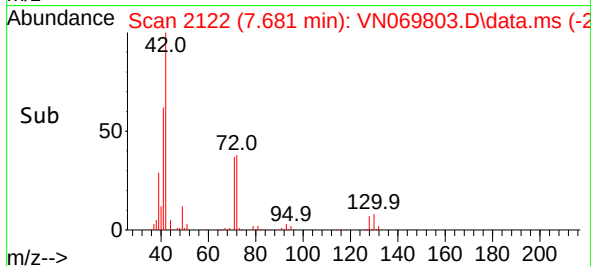
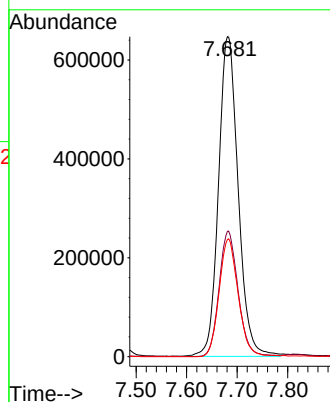
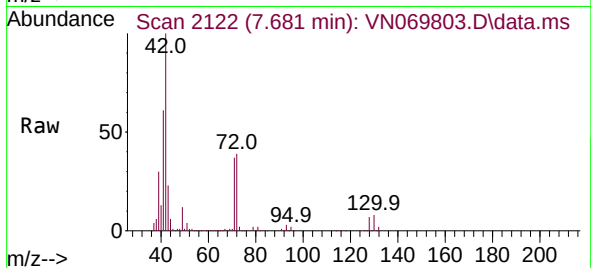
71 35.7 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#30

Chloroform

Concen: 49.770 ug/l

RT: 7.815 min Scan# 2172

Delta R.T. -0.005 min

Lab File: VN069803.D

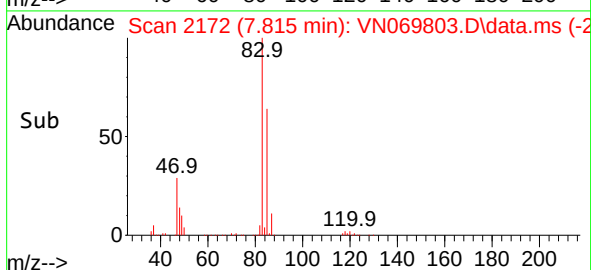
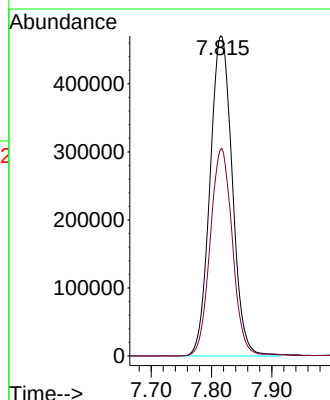
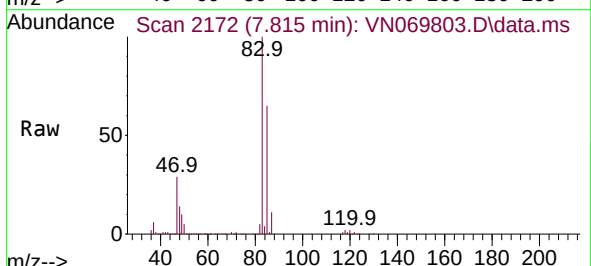
Acq: 7 Dec 2021 9:49

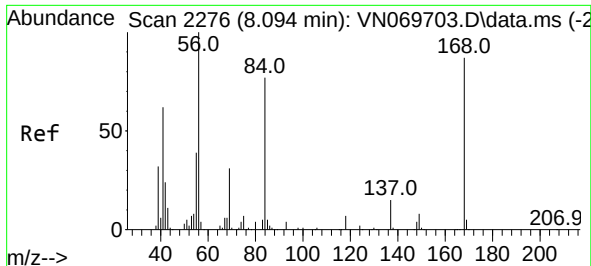
Tgt Ion: 83 Resp: 1206590

Ion Ratio Lower Upper

83 100

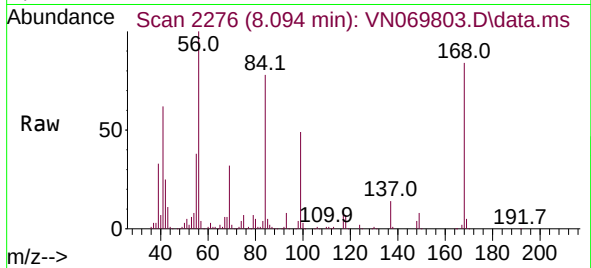
85 64.5 51.9 77.9





#31
Cyclohexane
Concen: 48.993 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.000 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

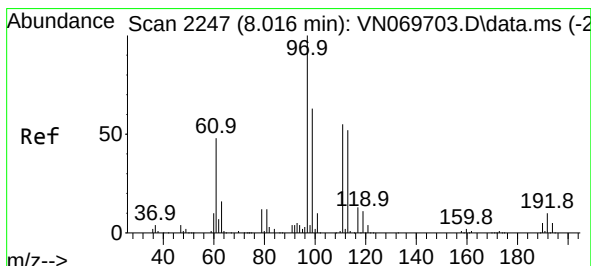
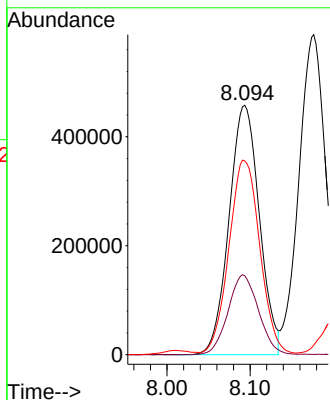
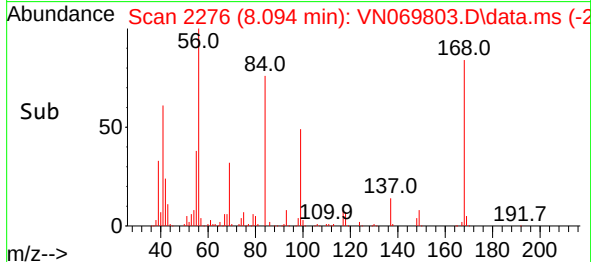
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 116282
Ion Ratio Lower Upper
56 100
69 31.6 27.1 40.7
84 76.0 73.4 110.0

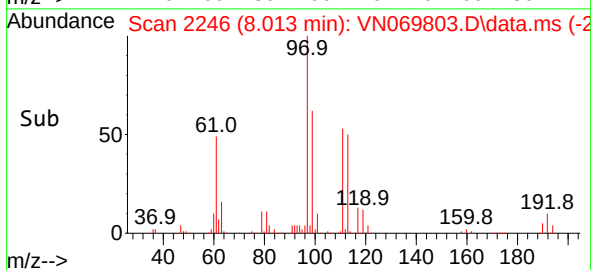
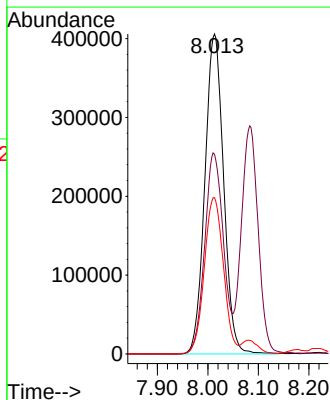
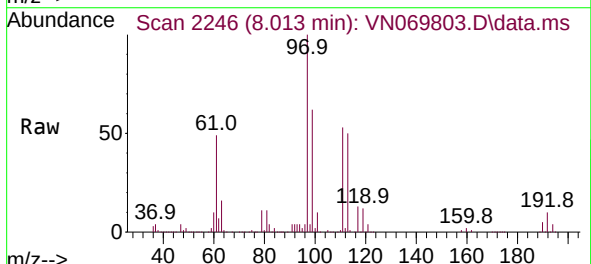
Manual Integrations
APPROVED

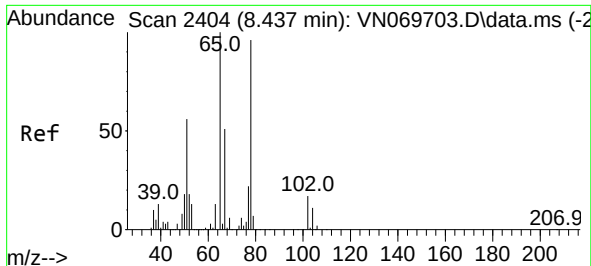
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#32
1,1,1-Trichloroethane
Concen: 50.654 ug/l
RT: 8.013 min Scan# 2246
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Tgt Ion: 97 Resp: 1046043
Ion Ratio Lower Upper
97 100
99 62.4 50.1 75.1
61 50.1 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 46.714 ug/l

RT: 8.434 min Scan# 2404

Delta R.T. -0.003 min

Lab File: VN069803.D

Acq: 7 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 796698

Ion Ratio Lower Upper

65 100

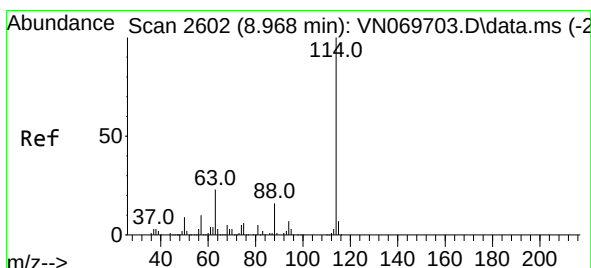
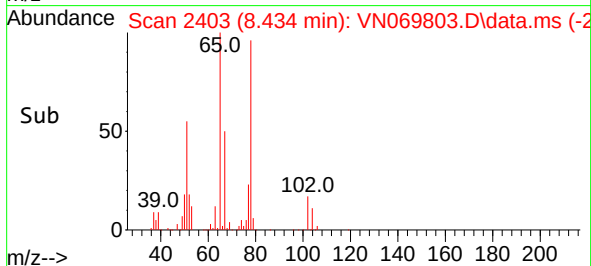
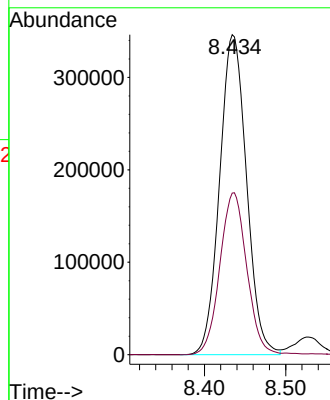
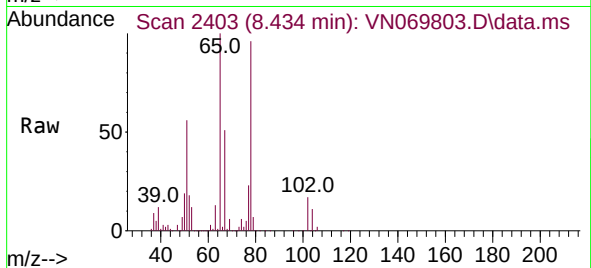
67 50.5 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN069803.D

Acq: 7 Dec 2021 9:49

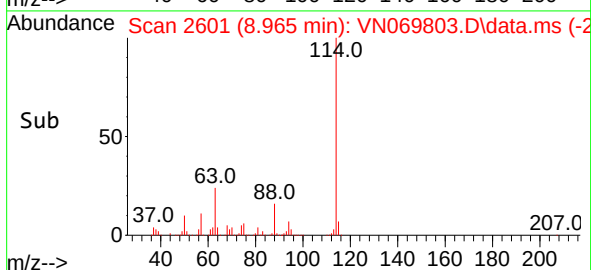
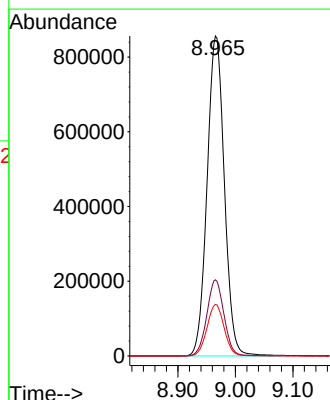
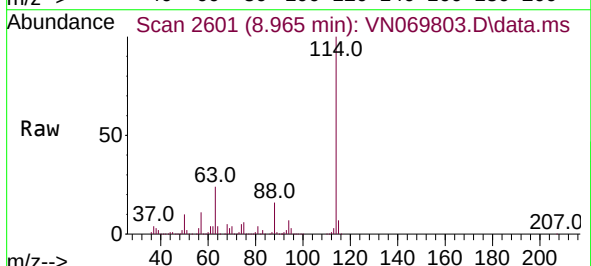
Tgt Ion:114 Resp: 1786474

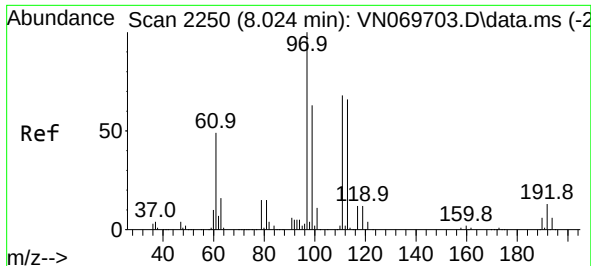
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

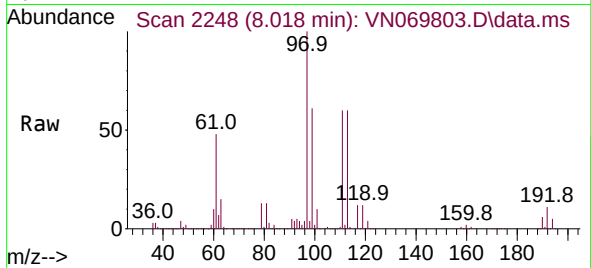
88 16.1 0.0 27.4





#35
Dibromofluoromethane
Concen: 49.065 ug/l
RT: 8.018 min Scan# 2113
Delta R.T. -0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

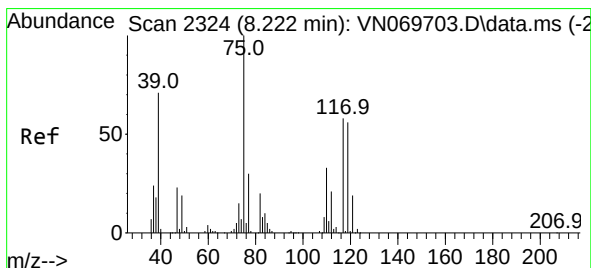
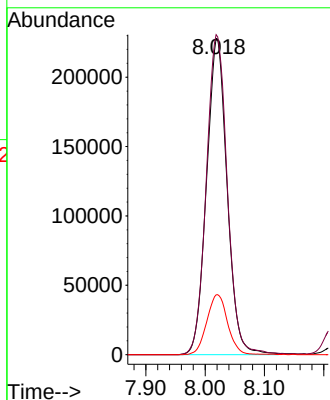
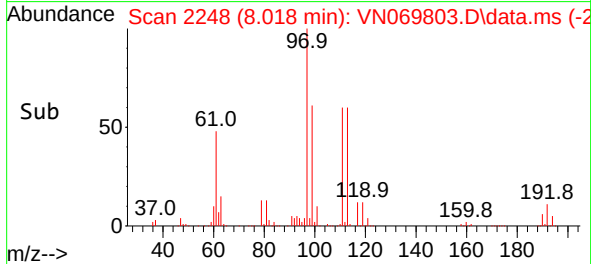
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



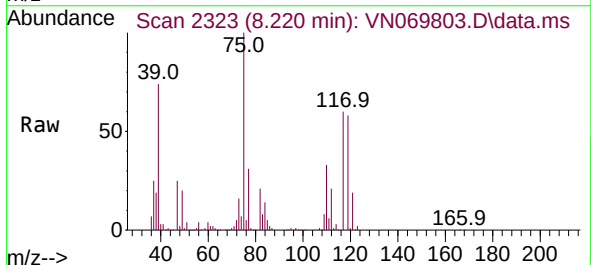
Tgt Ion:113 Resp: 54904
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 19.2 16.9 25.3

Manual Integrations
APPROVED

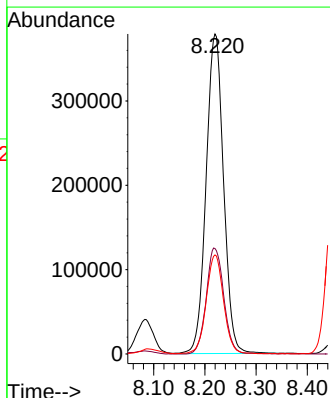
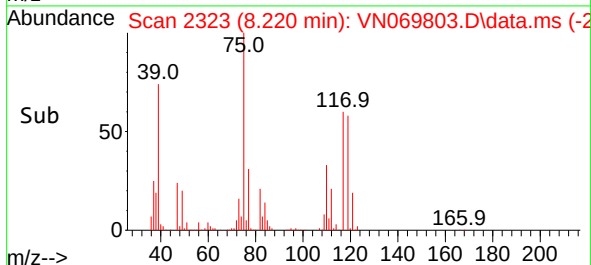
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

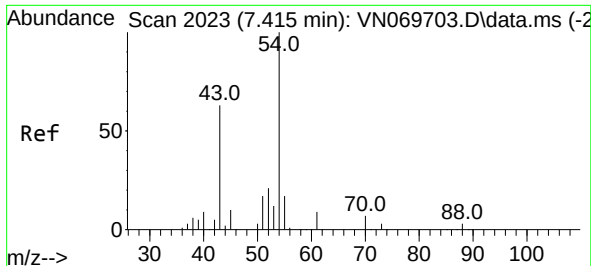


#36
1,1-Dichloropropene
Concen: 52.741 ug/l
RT: 8.220 min Scan# 2323
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



Tgt Ion: 75 Resp: 896957
Ion Ratio Lower Upper
75 100
110 33.3 18.4 55.2
77 30.8 24.4 36.6





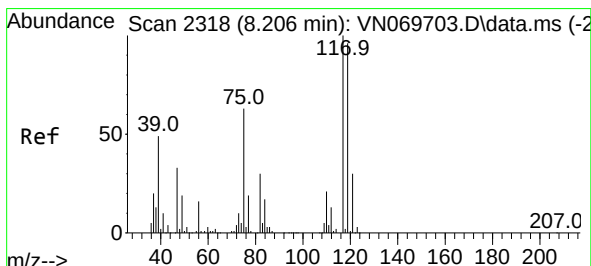
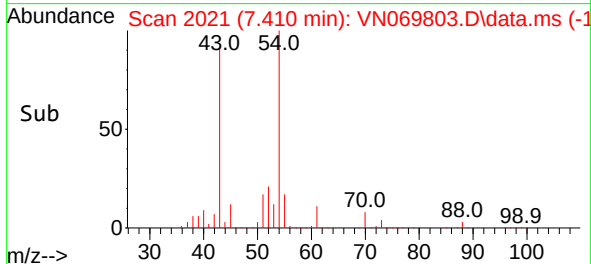
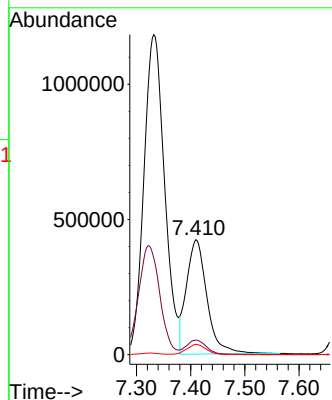
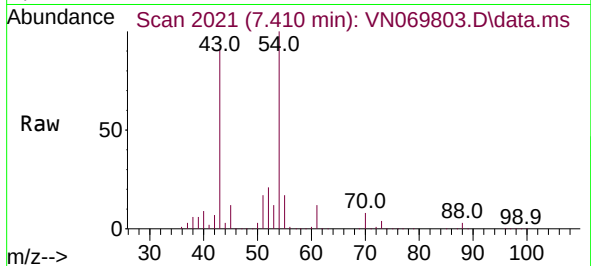
#37
Ethyl Acetate
Concen: 43.899 ug/l
RT: 7.410 min Scan# 2023
Delta R.T. -0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1111189
Ion Ratio Lower Upper
43 100
61 12.0 11.5 17.3
70 8.6 7.9 11.9

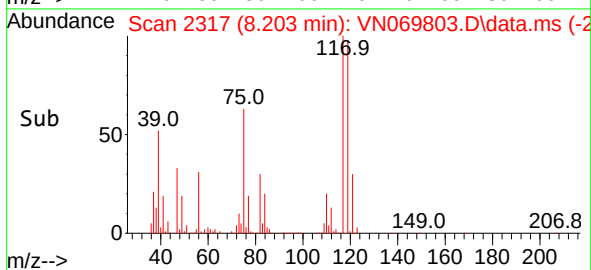
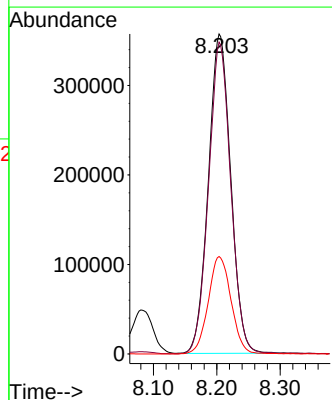
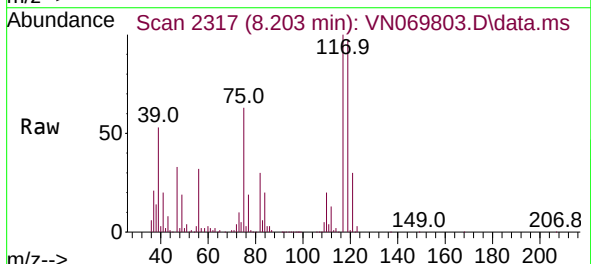
Manual Integrations
APPROVED

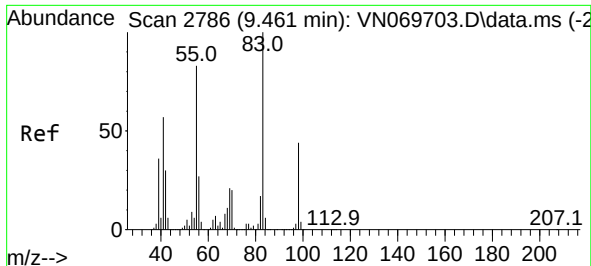
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#38
Carbon Tetrachloride
Concen: 52.526 ug/l
RT: 8.203 min Scan# 2317
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

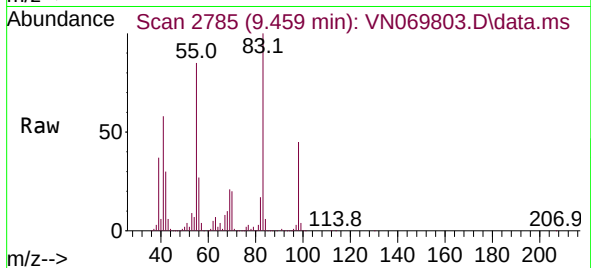
Tgt Ion:117 Resp: 875978
Ion Ratio Lower Upper
117 100
119 97.6 76.1 114.1
121 30.5 24.2 36.2





#39
Methylcyclohexane
Concen: 55.058 ug/l
RT: 9.459 min Scan# 211377
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

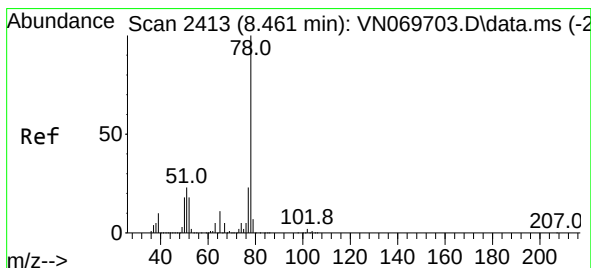
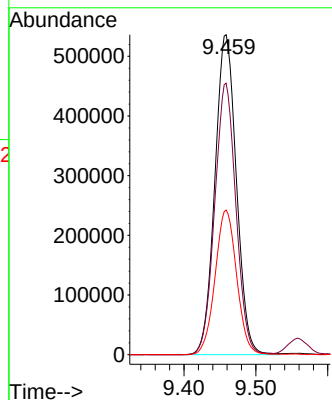
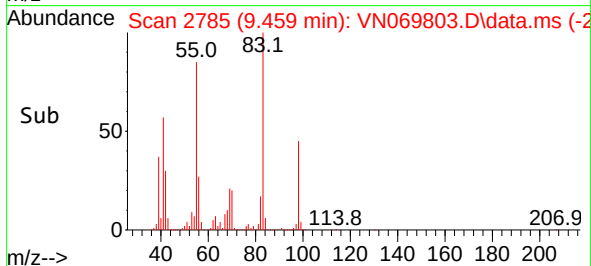
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 111377
Ion Ratio Lower Upper
83 100
55 84.8 58.1 87.1
98 45.2 38.4 57.6

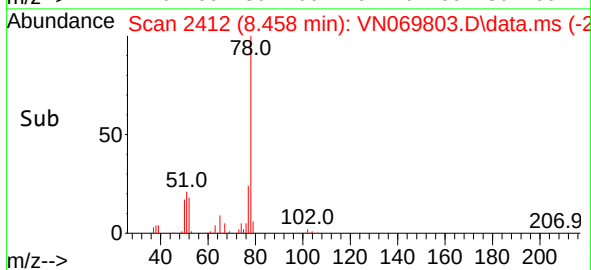
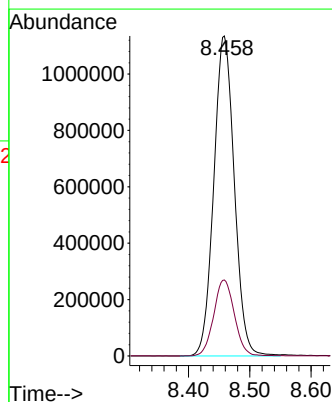
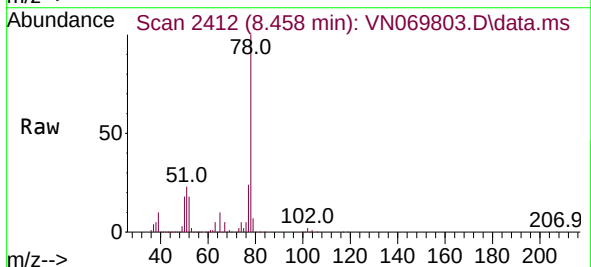
Manual Integrations
APPROVED

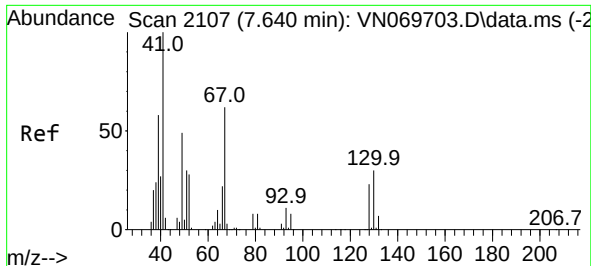
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#40
Benzene
Concen: 50.823 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Tgt Ion: 78 Resp: 2641904
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8





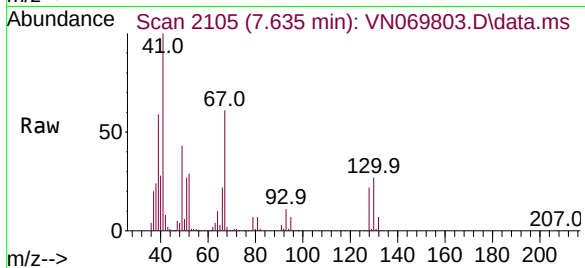
#41
Methacrylonitrile
Concen: 46.382 ug/l
RT: 7.635 min Scan# 2105
Delta R.T. -0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

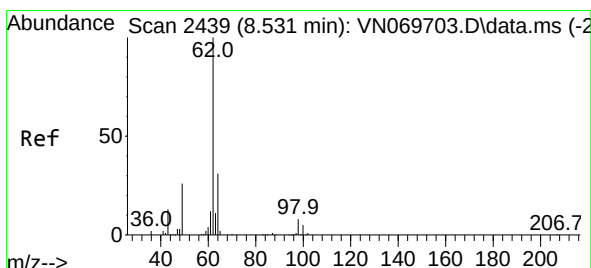
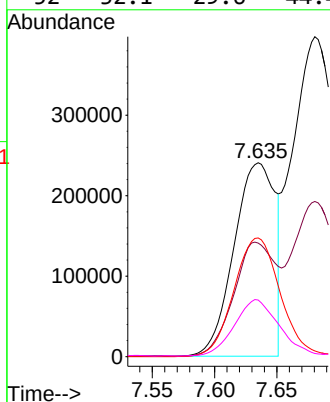
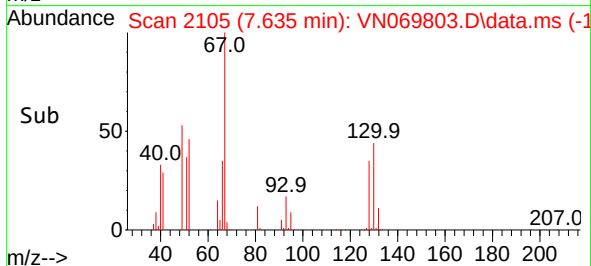


Tgt Ion: 41 Resp: 551129
Ion Ratio Lower Upper
41 100
39 61.5 48.1 72.1
67 69.7 68.3 102.5
52 32.1 29.6 44.4

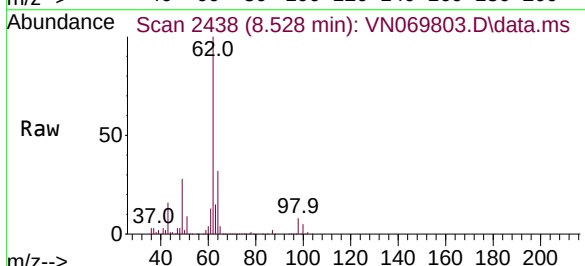
Manual Integrations

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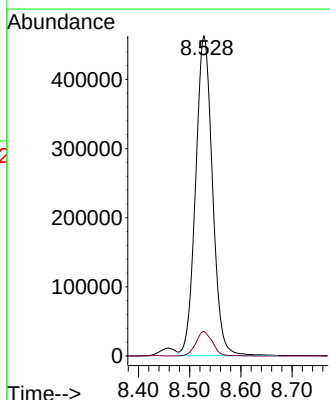
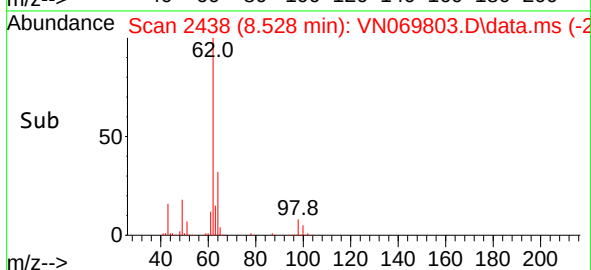
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

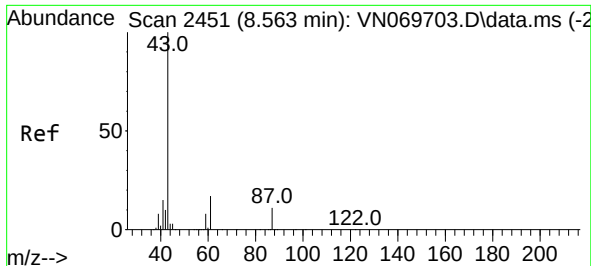


#42
1,2-Dichloroethane
Concen: 50.552 ug/l
RT: 8.528 min Scan# 2438
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



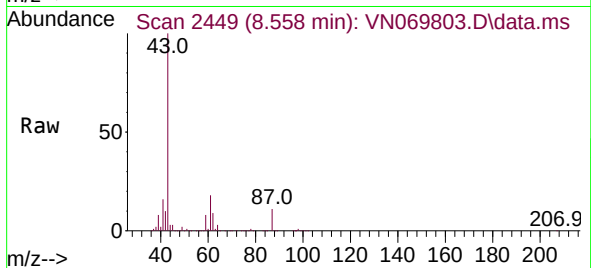
Tgt Ion: 62 Resp: 1060798
Ion Ratio Lower Upper
62 100
98 7.5 0.0 17.6





#43
Isopropyl Acetate
Concen: 47.734 ug/l
RT: 8.558 min Scan# 2449
Delta R.T. -0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

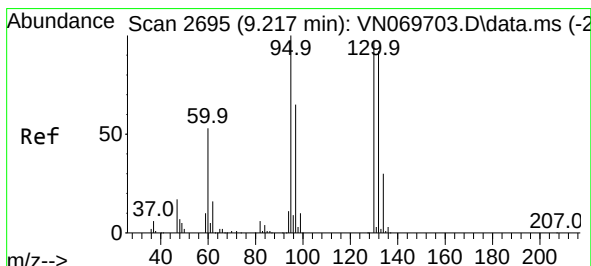
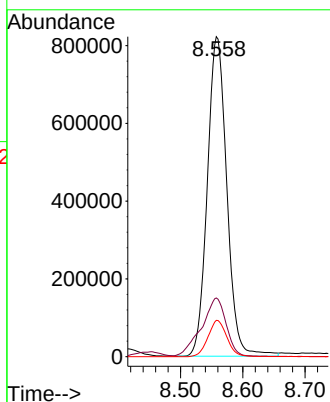
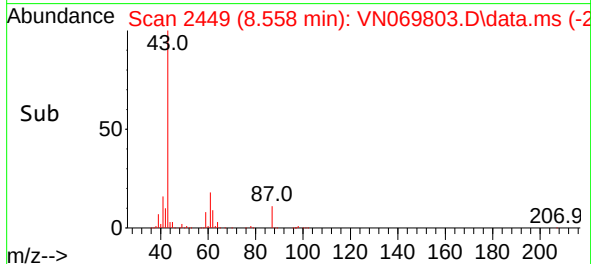
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



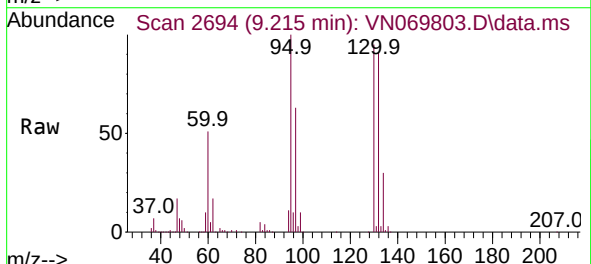
Tgt Ion: 43 Resp: 178803
Ion Ratio Lower Upper
43 100
61 23.3 20.4 30.6
87 11.0 11.2 16.8

Manual Integrations
APPROVED

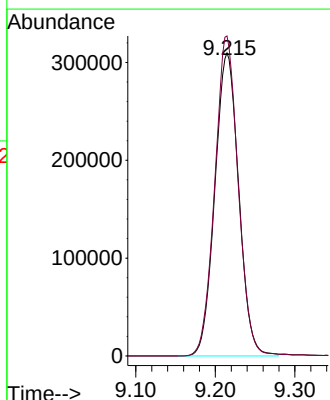
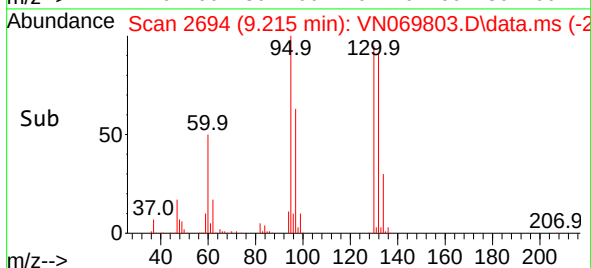
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

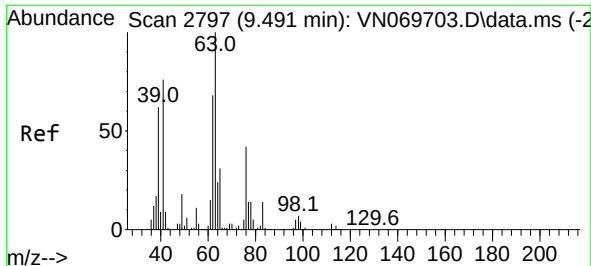


#44
Trichloroethene
Concen: 51.959 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.002 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



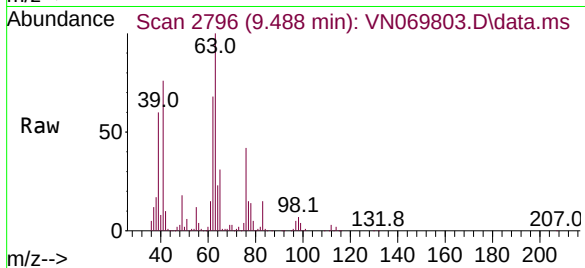
Tgt Ion:130 Resp: 644668
Ion Ratio Lower Upper
130 100
95 105.6 0.0 191.2





#45
1,2-Dichloropropane
Concen: 51.863 ug/l
RT: 9.488 min Scan# 2796
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

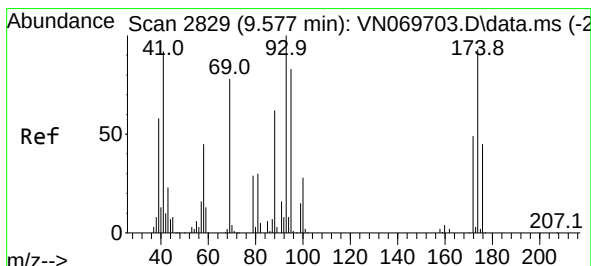
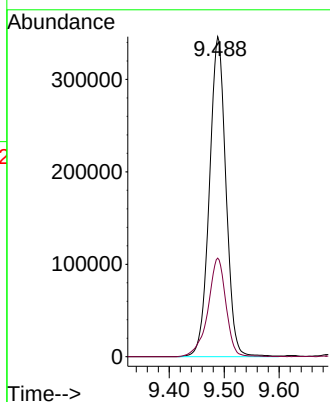
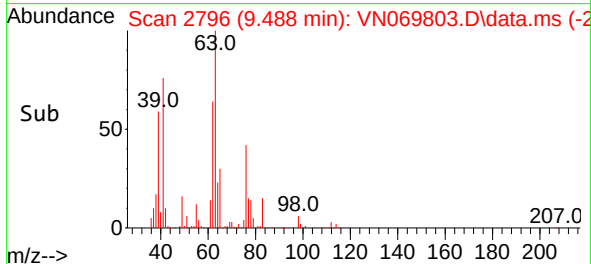
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



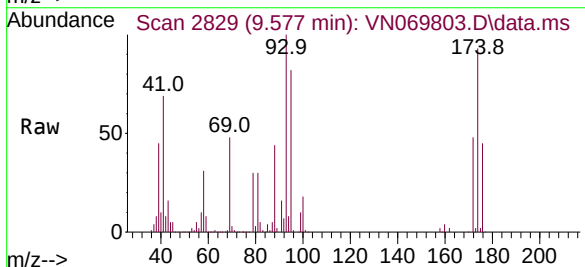
Tgt Ion: 63 Resp: 72397
Ion Ratio Lower Upper
63 100
65 30.7 24.7 37.1

Manual Integrations
APPROVED

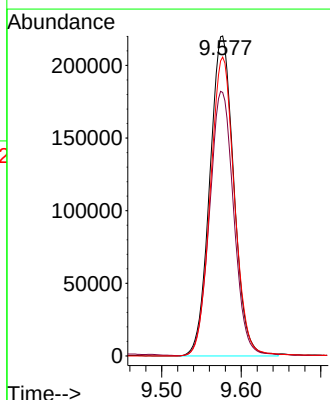
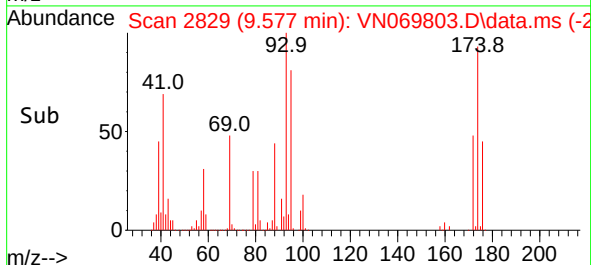
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

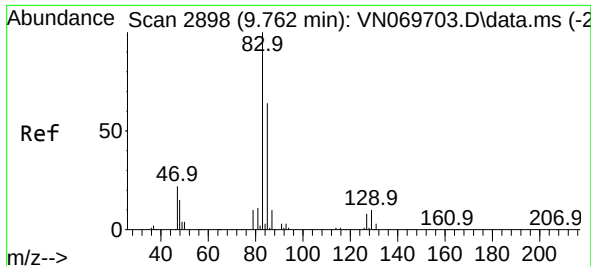


#46
Dibromomethane
Concen: 50.521 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. -0.000 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



Tgt Ion: 93 Resp: 462513
Ion Ratio Lower Upper
93 100
95 82.7 65.9 98.9
174 93.8 84.6 127.0





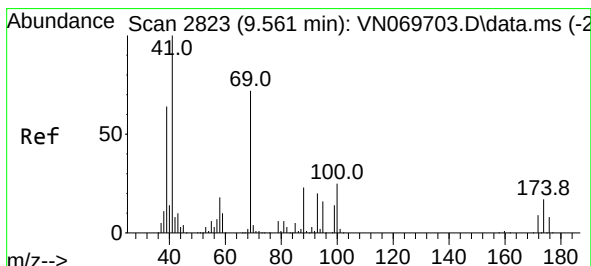
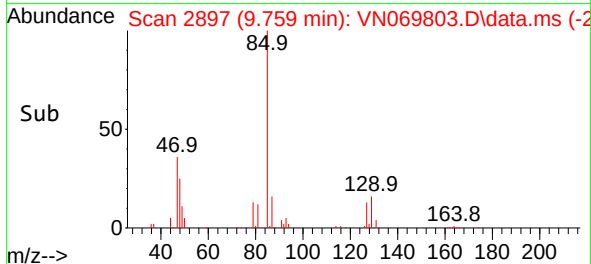
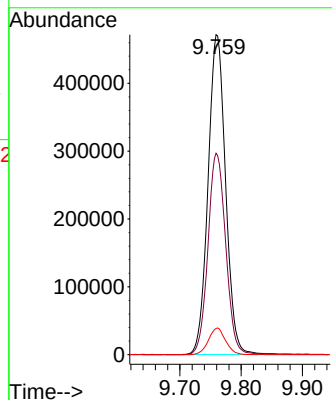
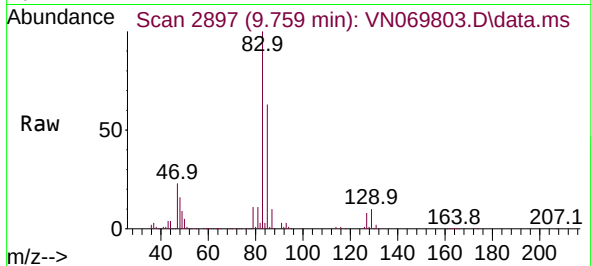
#47
Bromodichloromethane
Concen: 54.157 ug/l
RT: 9.759 min Scan# 2897
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 938733
Ion Ratio Lower Upper
83 100
85 63.0 50.9 76.3
127 8.2 7.1 10.7

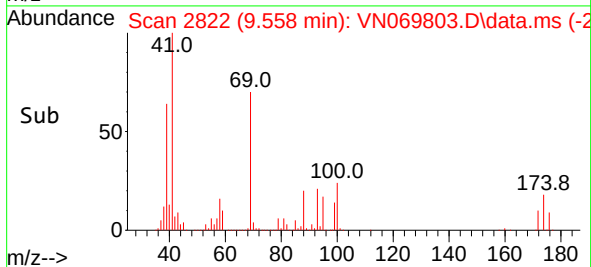
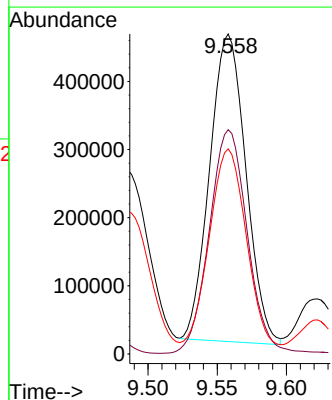
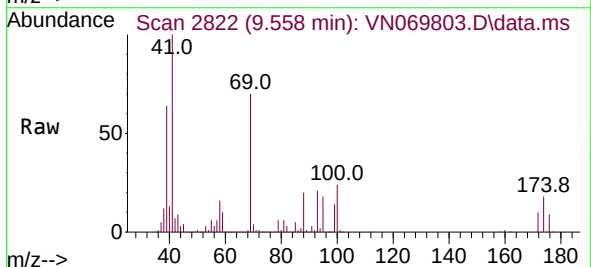
Manual Integrations
APPROVED

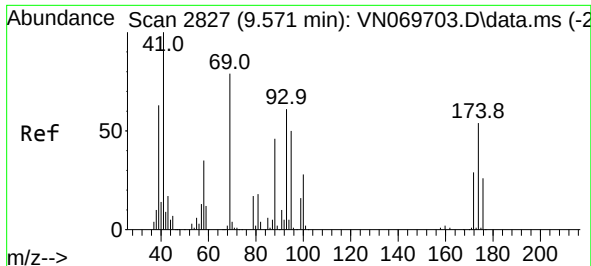
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#48
Methyl methacrylate
Concen: 46.975 ug/l
RT: 9.558 min Scan# 2822
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Tgt Ion: 41 Resp: 821158
Ion Ratio Lower Upper
41 100
69 76.6 72.4 108.6
39 64.4 58.4 87.6





#49

1,4-Dioxane

Concen: 817.395 ug/l

RT: 9.569 min Scan# 2826

Delta R.T. -0.003 min

Lab File: VN069803.D

Acq: 7 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 25638

Ion Ratio Lower Upper

88 100

43 36.6 23.4 35.2

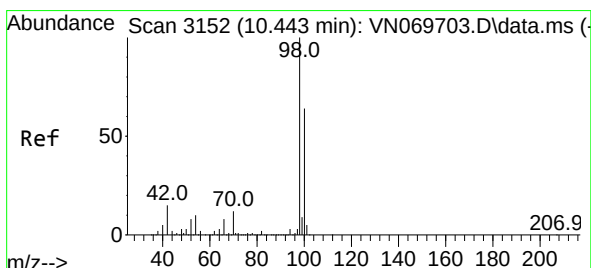
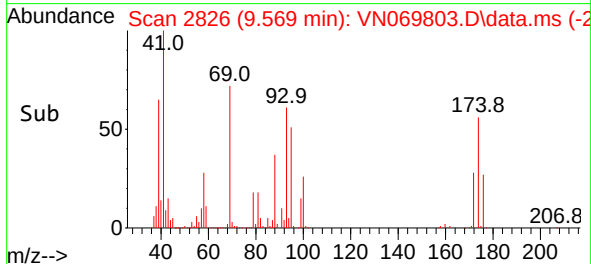
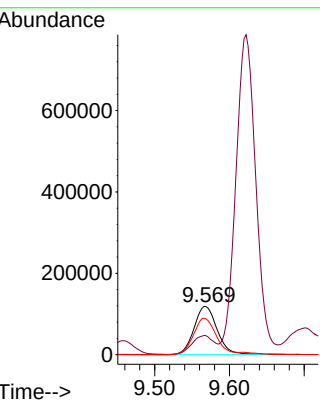
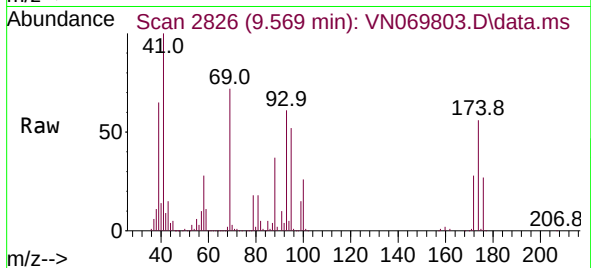
58 73.9 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#50

Toluene-d8

Concen: 48.376 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VN069803.D

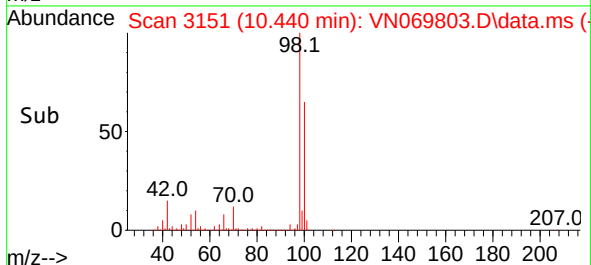
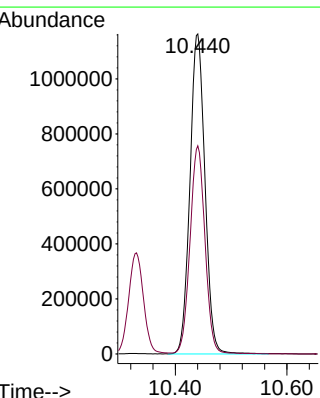
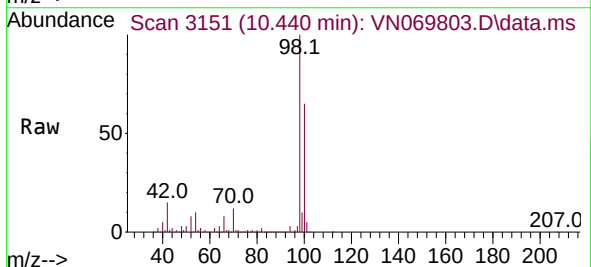
Acq: 7 Dec 2021 9:49

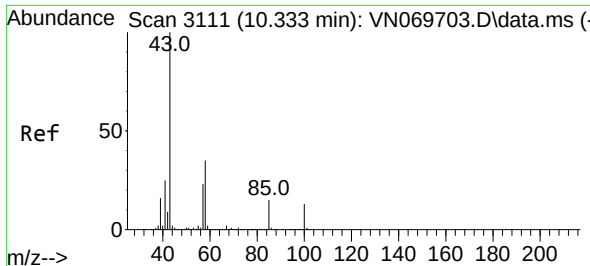
Tgt Ion: 98 Resp: 2173624

Ion Ratio Lower Upper

98 100

100 64.5 50.4 75.6





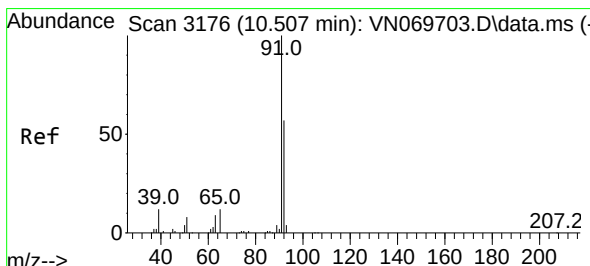
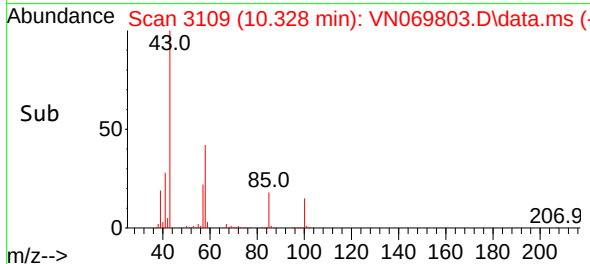
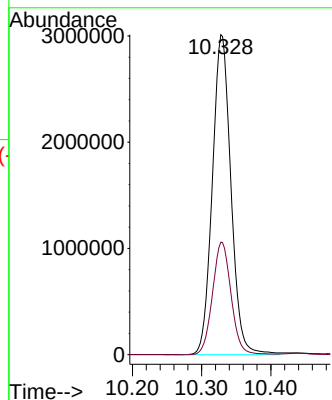
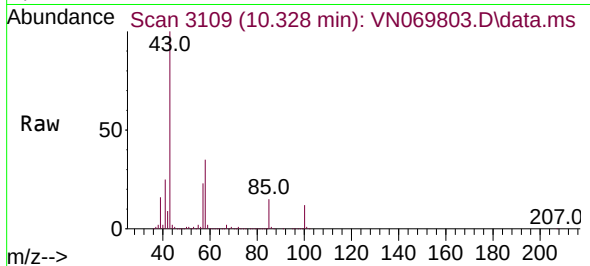
#51
4-Methyl-2-Pentanone
Concen: 231.018 ug/l
RT: 10.328 min Scan# 3111
Delta R.T. -0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 561375
Ion Ratio Lower Upper
43 100
58 35.2 30.4 45.6

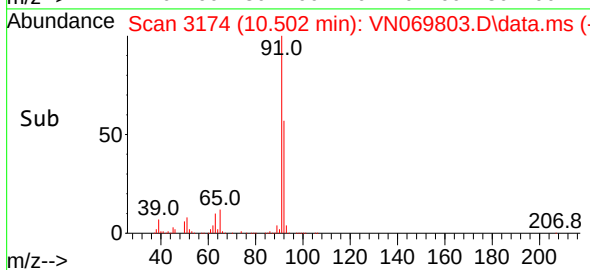
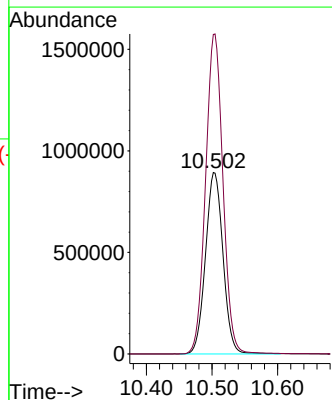
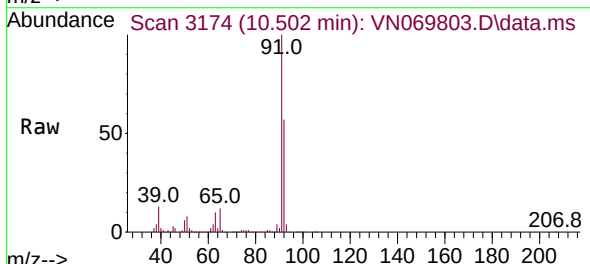
Manual Integrations
APPROVED

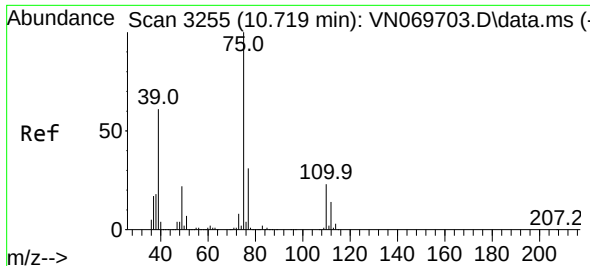
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#52
Toluene
Concen: 52.109 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Tgt Ion: 92 Resp: 1653746
Ion Ratio Lower Upper
92 100
91 175.4 142.0 213.0





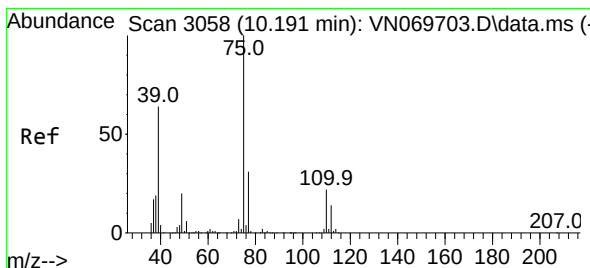
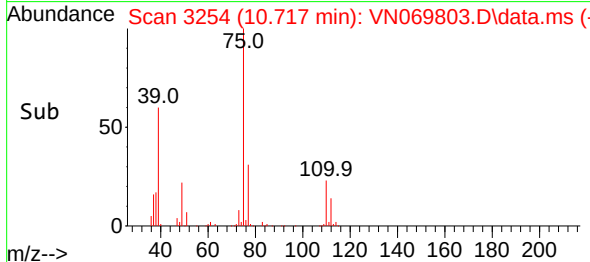
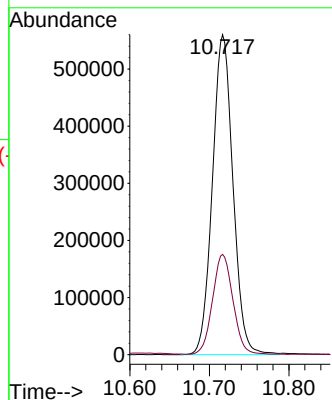
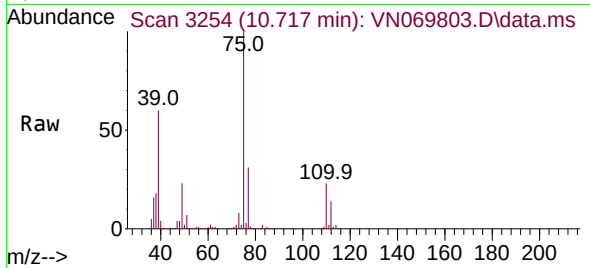
#53
t-1,3-Dichloropropene
Concen: 48.389 ug/l
RT: 10.717 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 100696
Ion Ratio Lower Upper
75 100
77 31.2 25.6 38.4

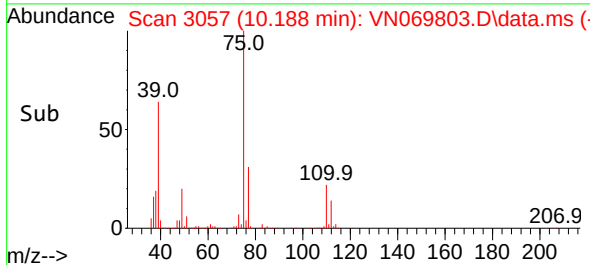
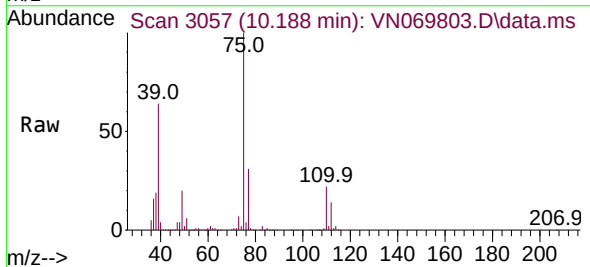
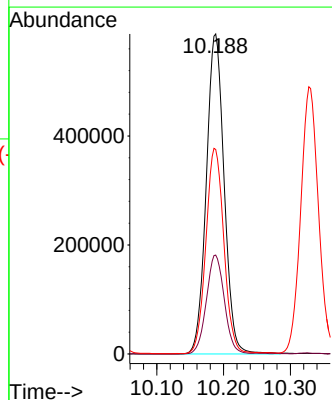
Manual Integrations
APPROVED

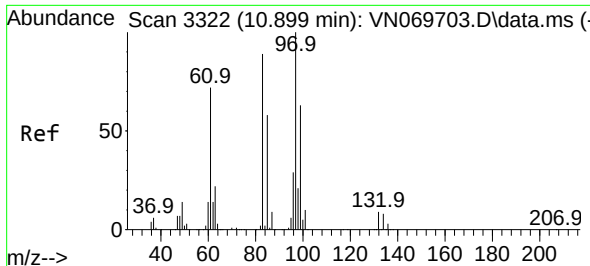
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#54
cis-1,3-Dichloropropene
Concen: 49.871 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

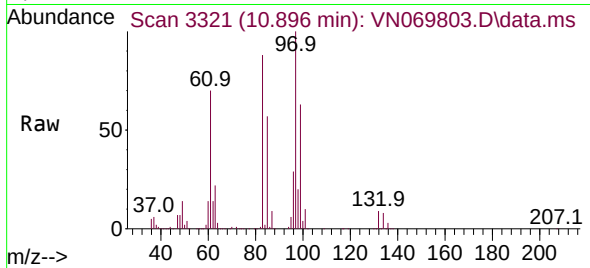
Tgt Ion: 75 Resp: 1091218
Ion Ratio Lower Upper
75 100
77 30.9 26.4 39.6
39 63.8 42.5 63.7#





#55
1,1,2-Trichloroethane
Concen: 50.737 ug/l
RT: 10.896 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

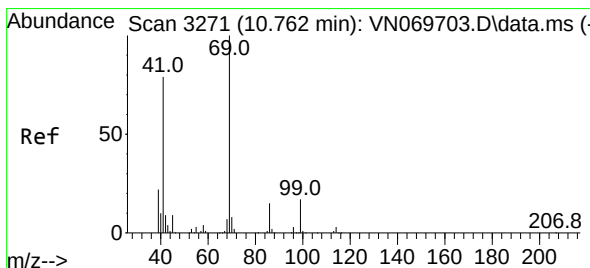
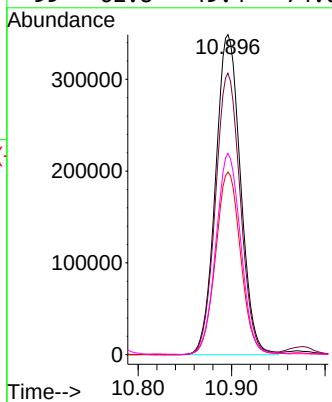
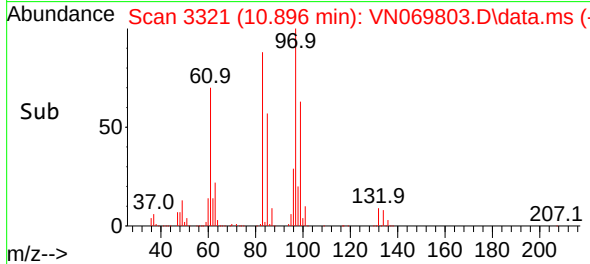
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



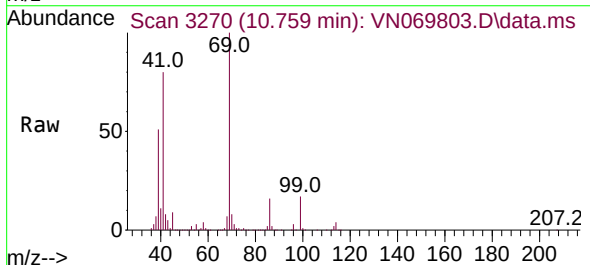
Tgt Ion: 97 Resp: 649690
Ion Ratio Lower Upper
97 100
83 88.0 67.8 101.6
85 57.1 45.4 68.2
99 62.8 49.4 74.0

Manual Integrations
APPROVED

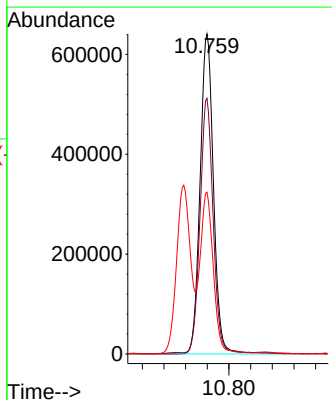
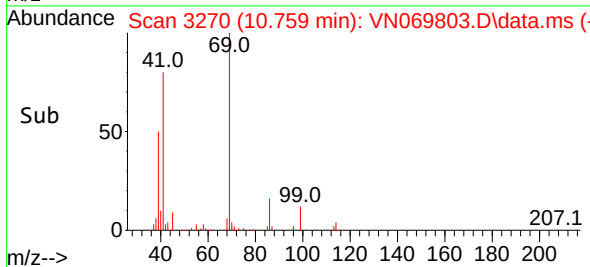
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

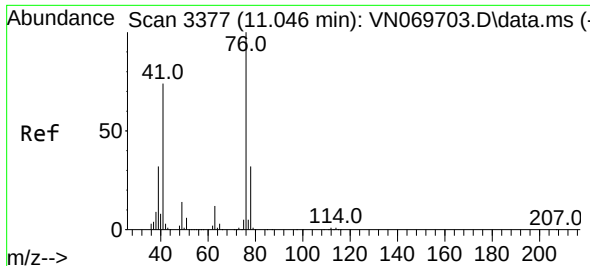


#56
Ethyl methacrylate
Concen: 45.684 ug/l
RT: 10.759 min Scan# 3270
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



Tgt Ion: 69 Resp: 1098802
Ion Ratio Lower Upper
69 100
41 77.2 51.4 77.0#
39 49.3 34.6 52.0





#57

1,3-Dichloropropane

Concen: 50.793 ug/l

RT: 11.044 min Scan# 31

Delta R.T. -0.003 min

Lab File: VN069803.D

Acq: 7 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 114523

Ion Ratio Lower Upper

76 100

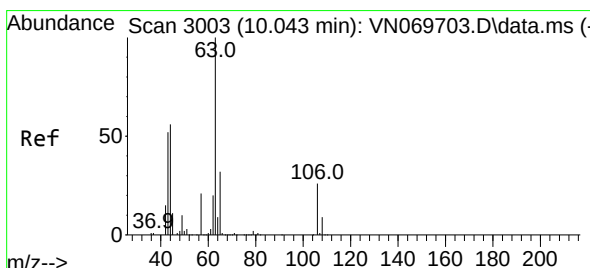
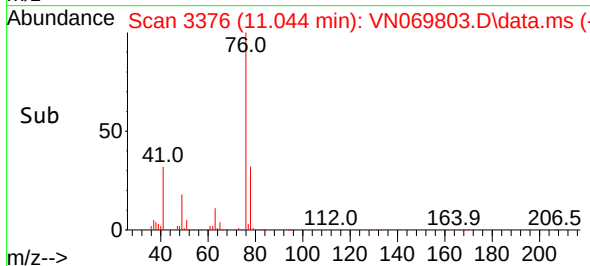
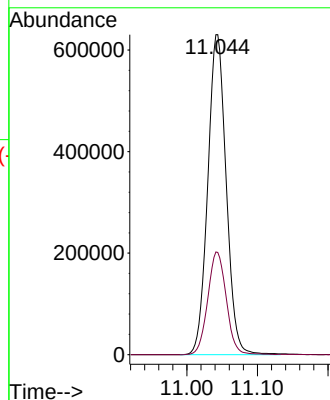
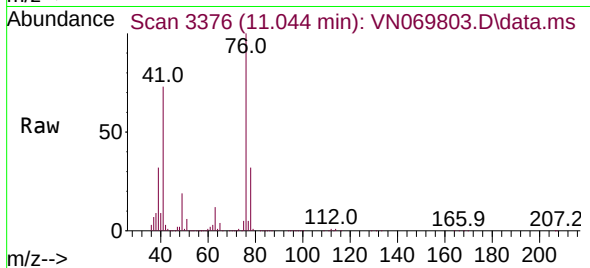
78 32.3 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#58

2-Chloroethyl Vinyl ether

Concen: 219.247 ug/l

RT: 10.038 min Scan# 3001

Delta R.T. -0.005 min

Lab File: VN069803.D

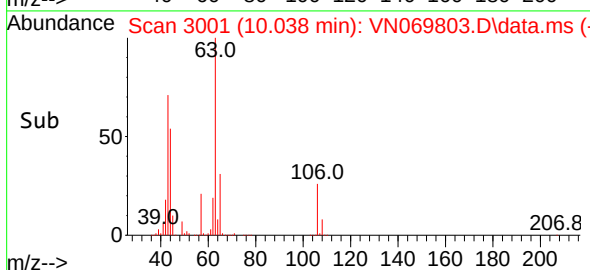
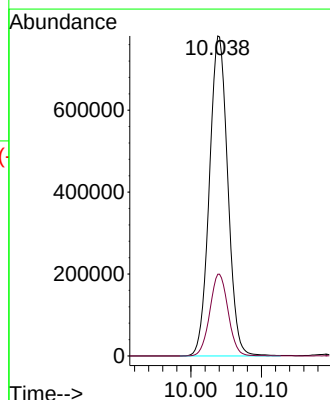
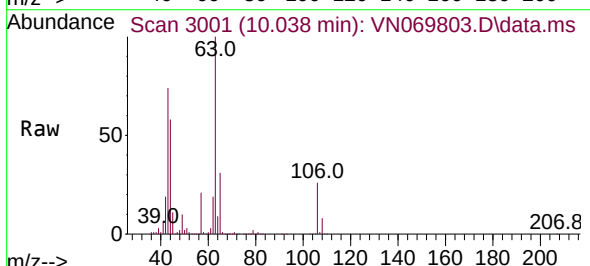
Acq: 7 Dec 2021 9:49

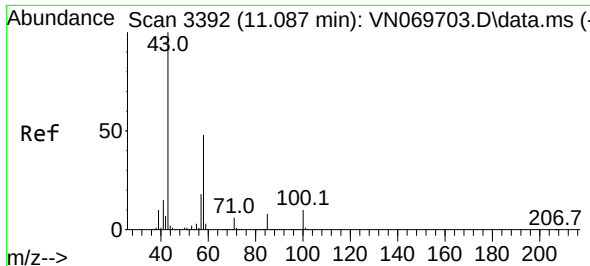
Tgt Ion: 63 Resp: 1414567

Ion Ratio Lower Upper

63 100

106 25.4 23.9 35.9





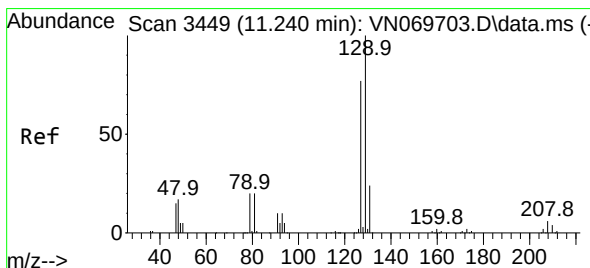
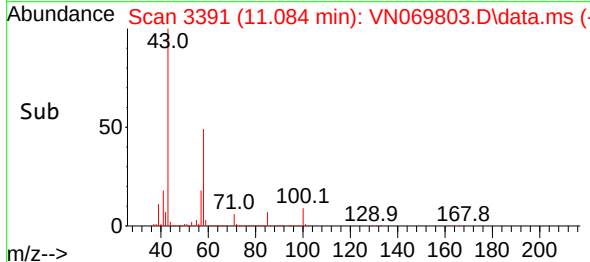
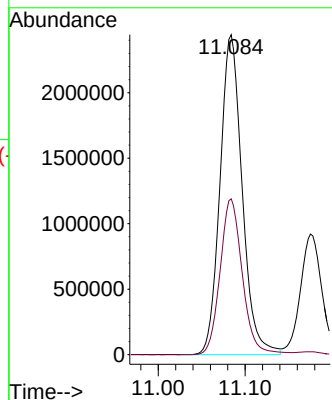
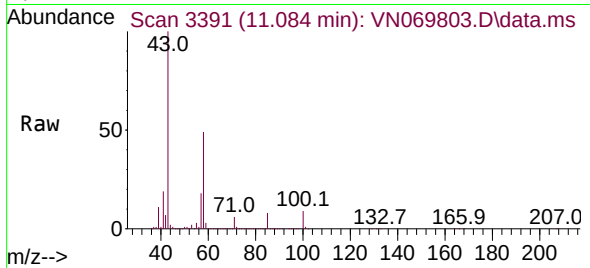
#59
2-Hexanone
Concen: 235.312 ug/l
RT: 11.084 min Scan# 3392
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 432555
Ion Ratio Lower Upper
43 100
58 48.9 26.9 80.7

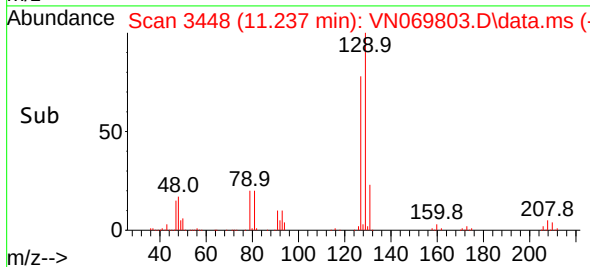
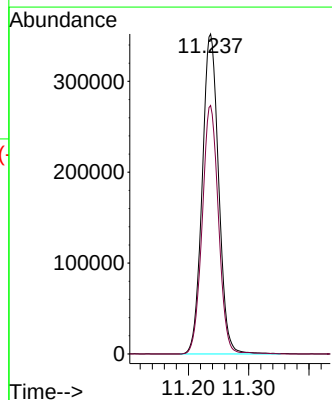
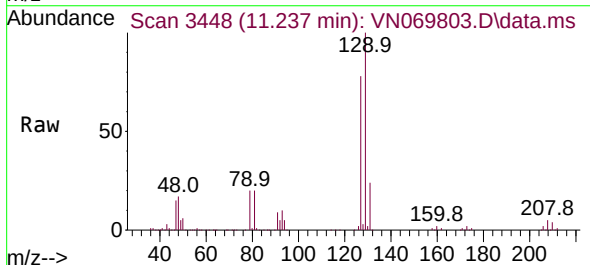
Manual Integrations
APPROVED

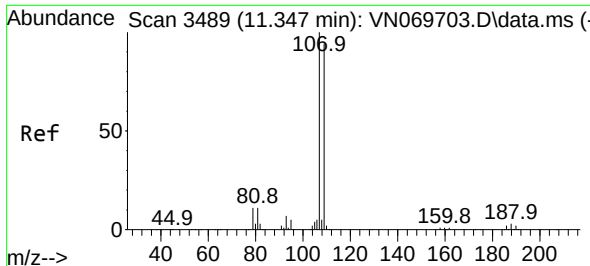
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#60
Dibromochloromethane
Concen: 48.609 ug/l
RT: 11.237 min Scan# 3448
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

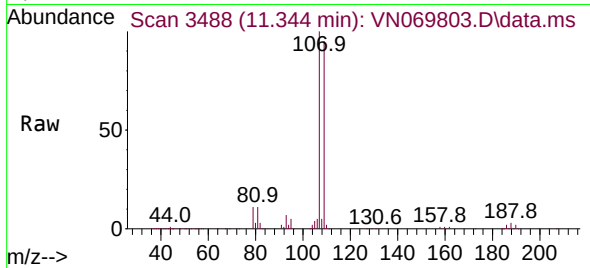
Tgt Ion:129 Resp: 665969
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





#61
1,2-Dibromoethane
Concen: 50.371 ug/l
RT: 11.344 min Scan# 3488
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

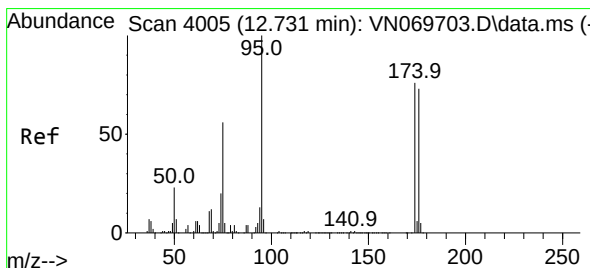
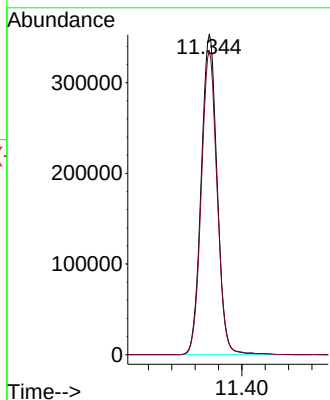
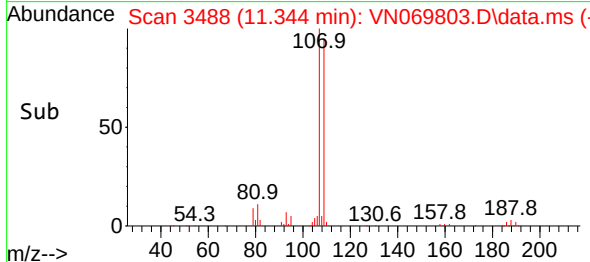
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 66806
Ion Ratio Lower Upper
107 100
109 93.8 75.7 113.5

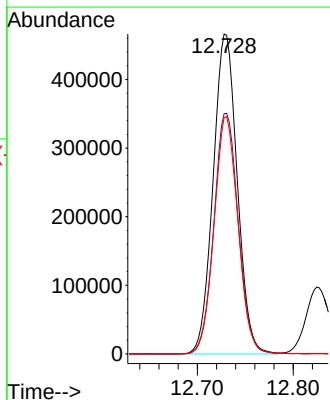
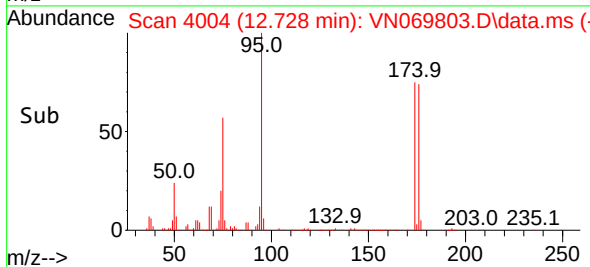
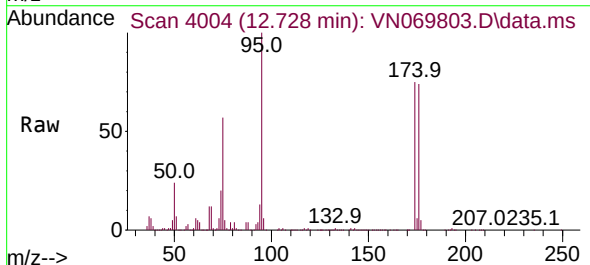
Manual Integrations
APPROVED

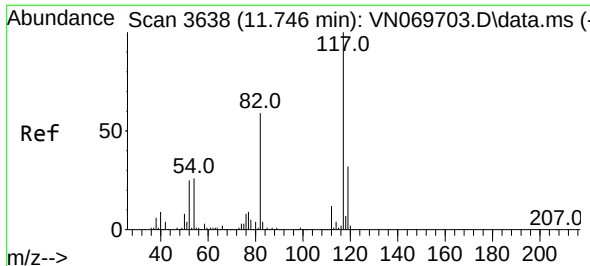
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#62
4-Bromofluorobenzene
Concen: 49.982 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

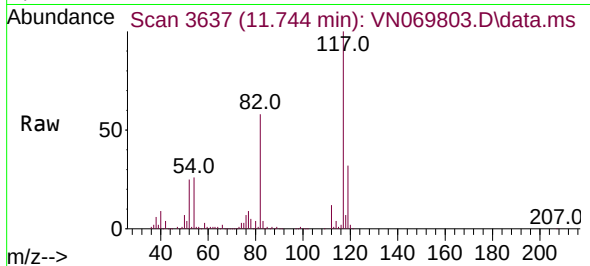
Tgt Ion: 95 Resp: 813599
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 73.6 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

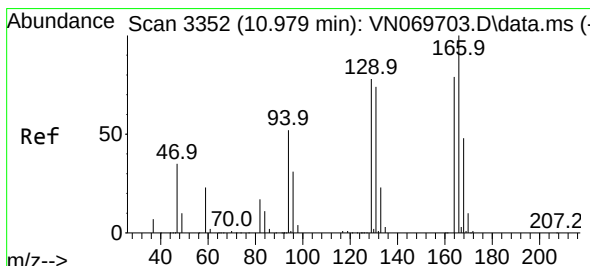
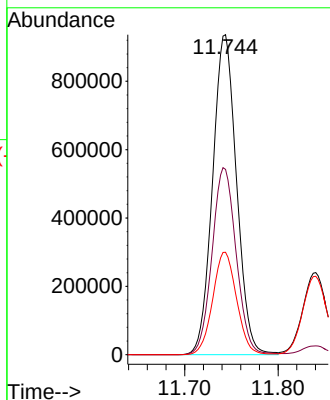
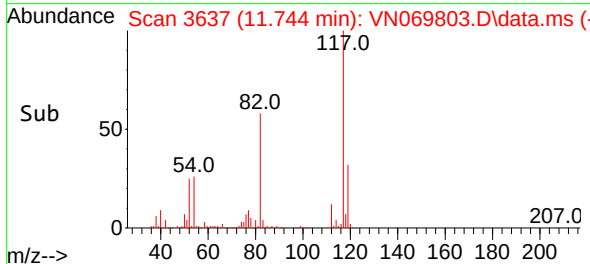
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 1672088
Ion Ratio Lower Upper
117 100
82 57.9 42.4 63.6
119 32.0 25.4 38.2

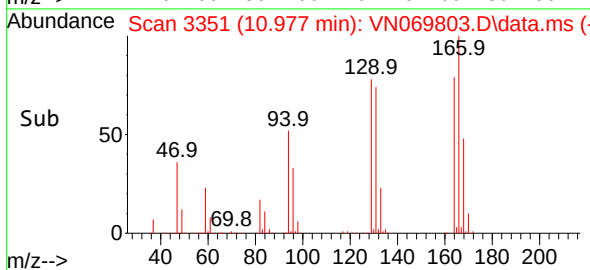
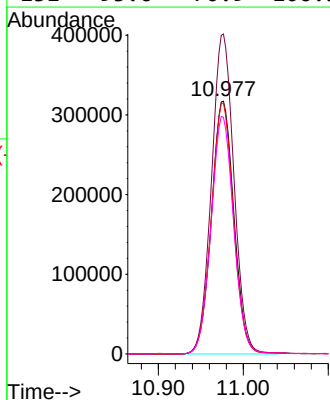
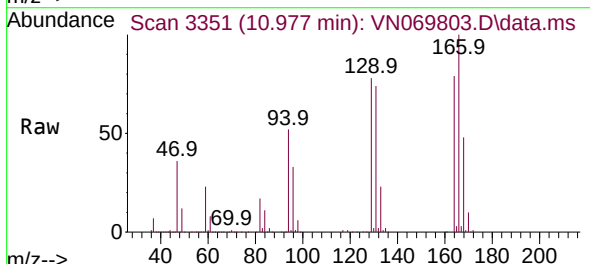
Manual Integrations
APPROVED

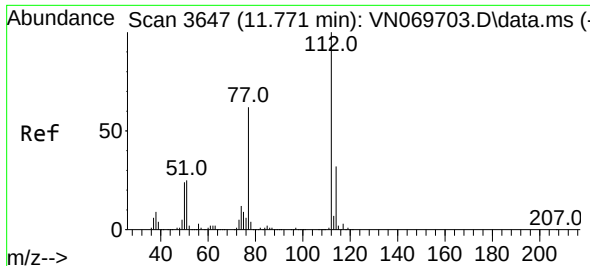
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#64
Tetrachloroethene
Concen: 51.561 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

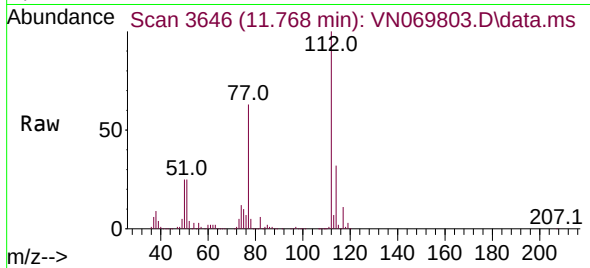
Tgt Ion:164 Resp: 584590
Ion Ratio Lower Upper
164 100
166 126.6 101.9 152.9
129 99.3 72.0 108.0
131 93.6 70.9 106.3





#65
Chlorobenzene
Concen: 51.888 ug/l
RT: 11.768 min Scan# 3646
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

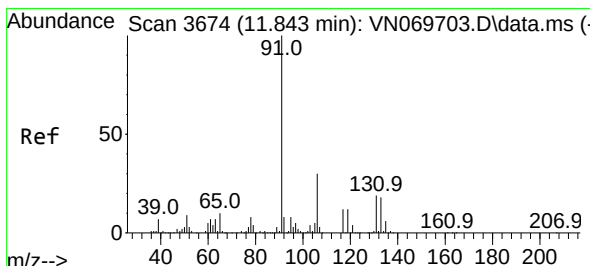
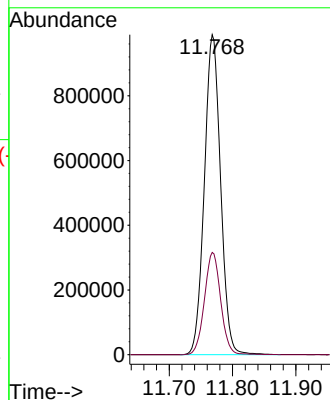
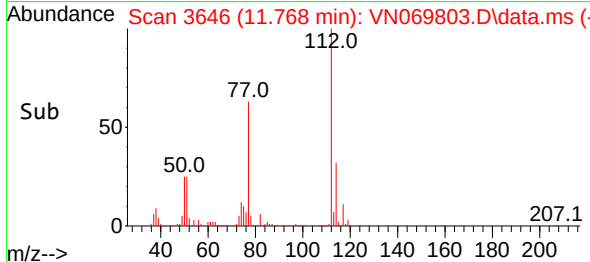
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



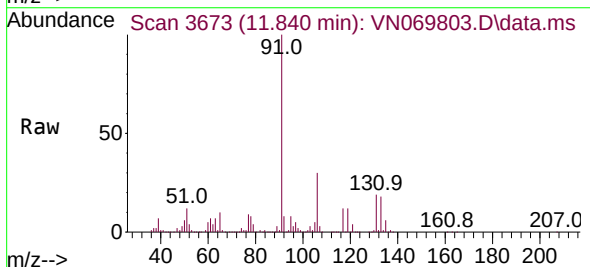
Tgt Ion:112 Resp: 176011
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0

Manual Integrations
APPROVED

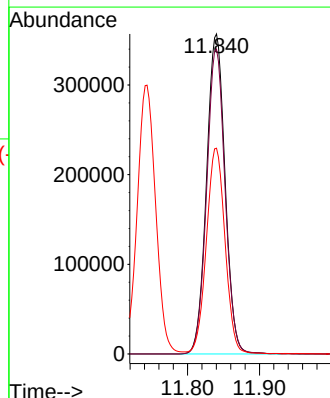
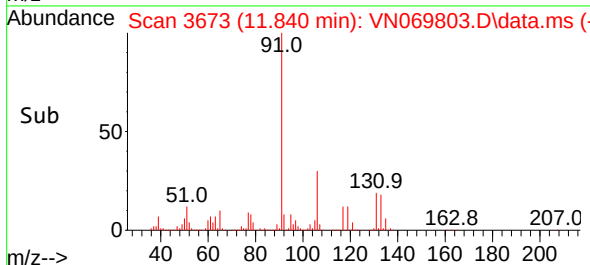
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

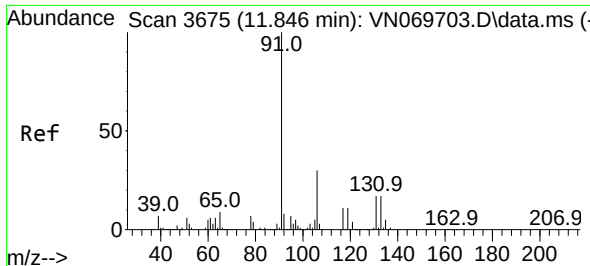


#66
1,1,1,2-Tetrachloroethane
Concen: 53.634 ug/l
RT: 11.840 min Scan# 3673
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



Tgt Ion:131 Resp: 640352
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.7
119 64.7 32.1 96.5





#67

Ethyl Benzene

Concen: 53.933 ug/l

RT: 11.843 min Scan# 30

Delta R.T. -0.003 min

Lab File: VN069803.D

Acq: 7 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 3323254

Ion Ratio Lower Upper

91 100

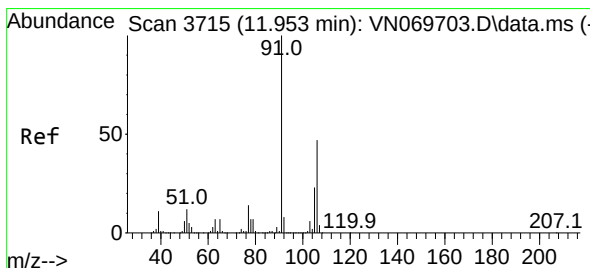
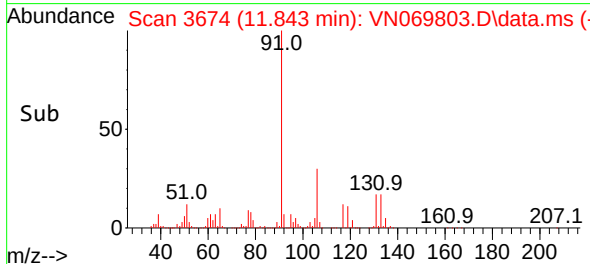
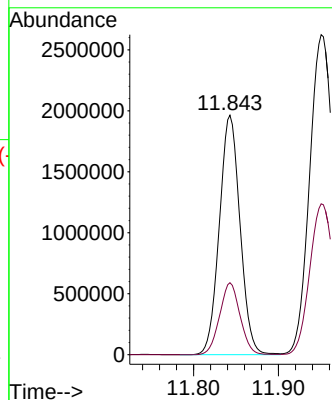
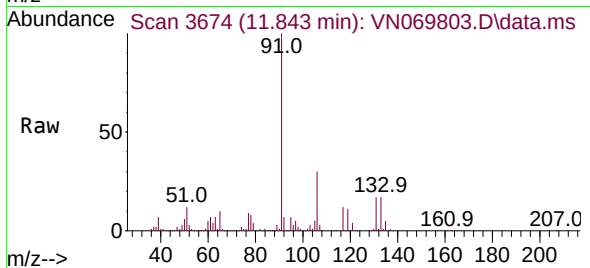
106 30.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#68

m/p-Xylenes

Concen: 109.978 ug/l

RT: 11.950 min Scan# 3714

Delta R.T. -0.003 min

Lab File: VN069803.D

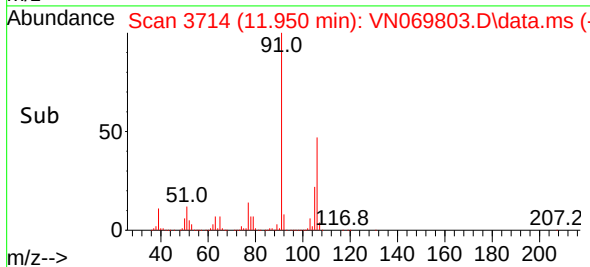
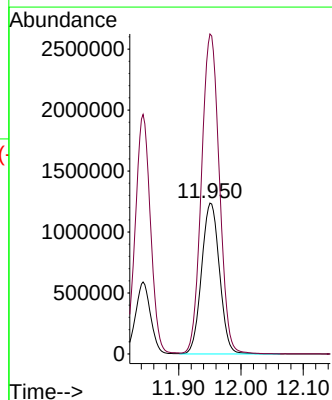
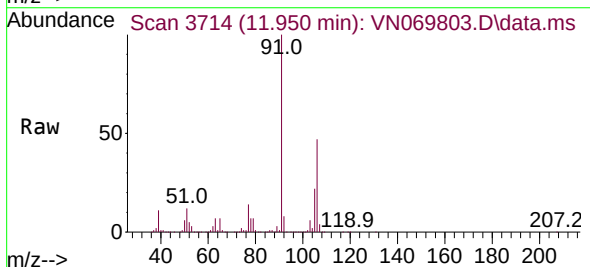
Acq: 7 Dec 2021 9:49

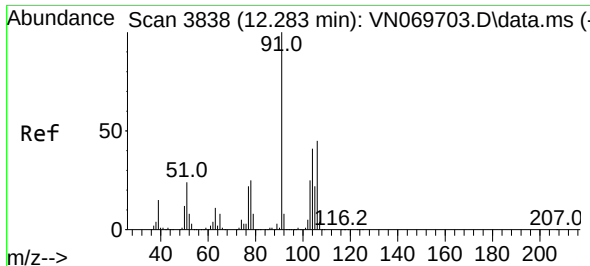
Tgt Ion:106 Resp: 2467434

Ion Ratio Lower Upper

106 100

91 212.1 160.6 240.8





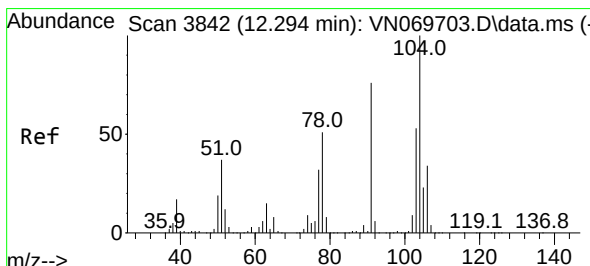
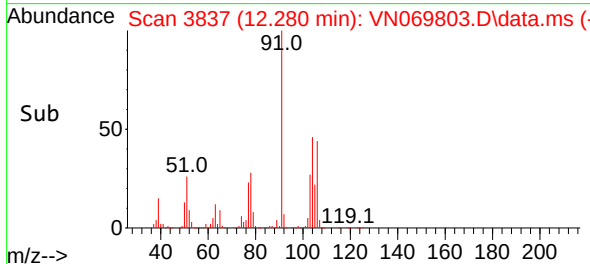
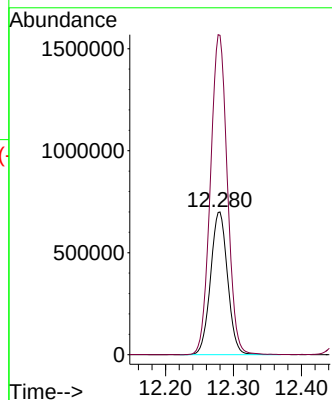
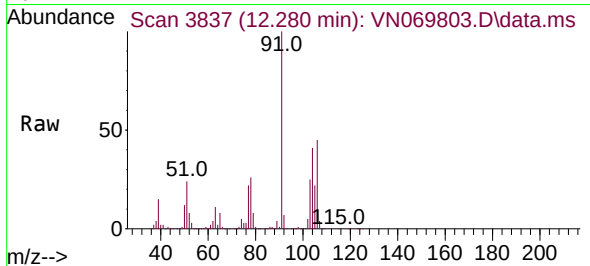
#69
o-Xylene
Concen: 53.800 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 1215810
Ion Ratio Lower Upper
106 100
91 223.5 105.8 317.3

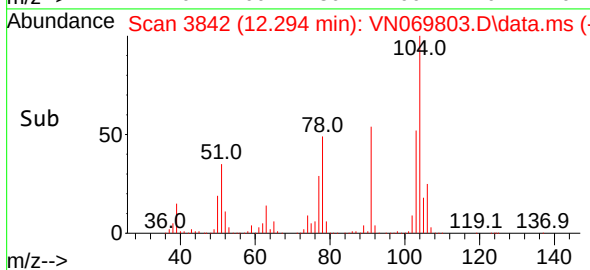
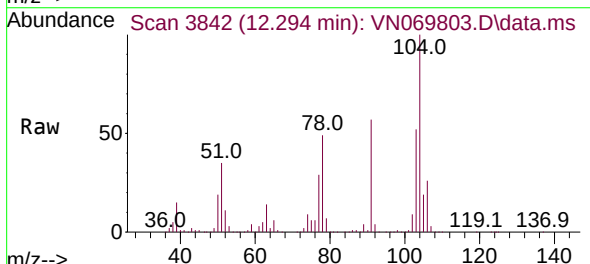
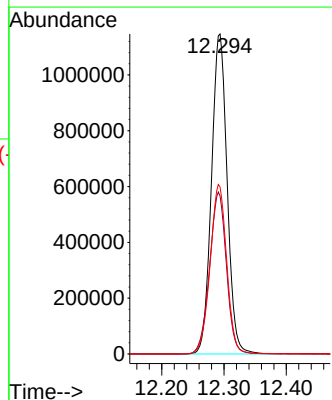
Manual Integrations
APPROVED

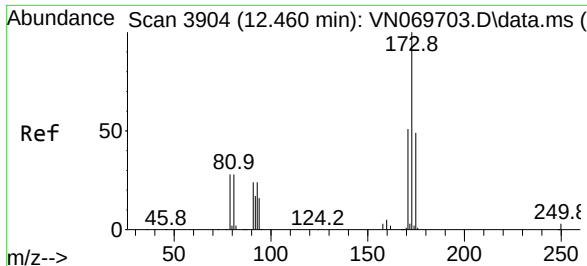
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#70
Styrene
Concen: 55.991 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.001 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

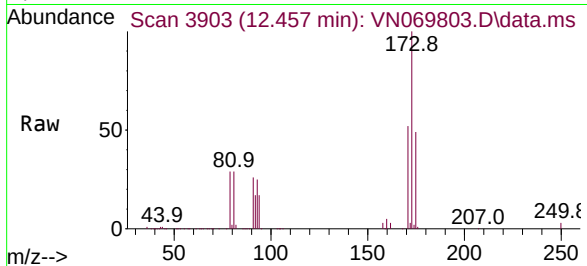
Tgt Ion:104 Resp: 2006412
Ion Ratio Lower Upper
104 100
78 54.3 38.7 58.1
103 56.0 45.0 67.6





#71
Bromoform
Concen: 47.090 ug/l
RT: 12.457 min Scan# 3904
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

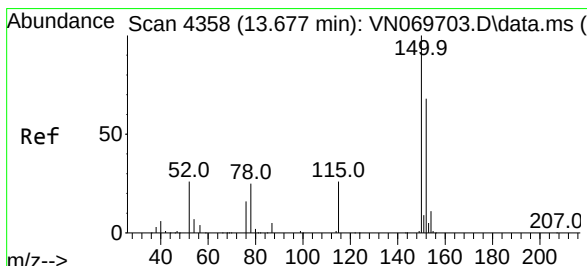
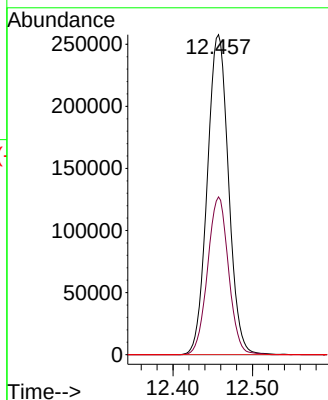
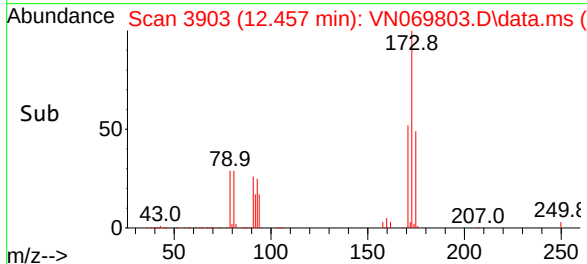
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



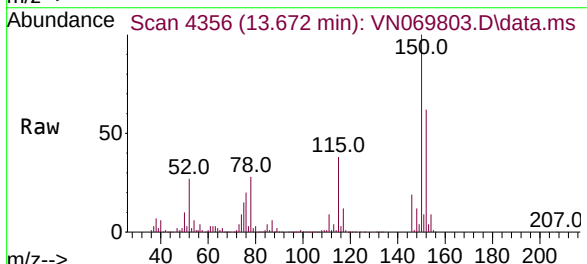
Tgt Ion:173 Resp: 479152
Ion Ratio Lower Upper
173 100
175 48.6 24.2 72.6
254 0.0 0.0 0.0

Manual Integrations
APPROVED

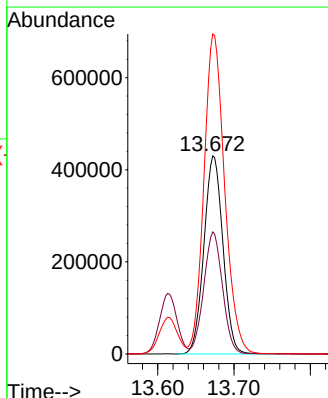
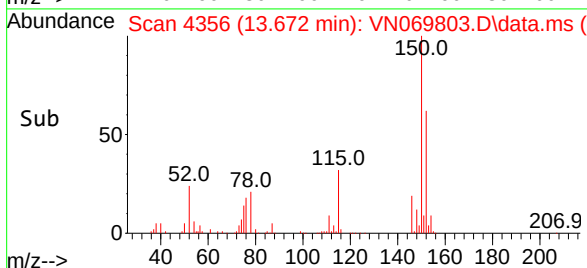
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

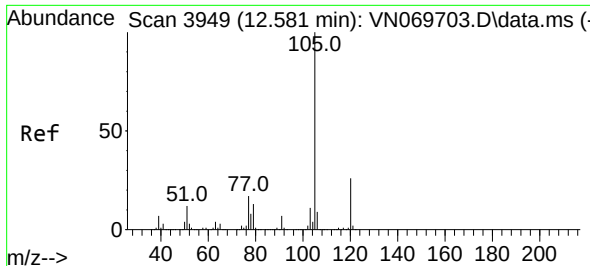


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. -0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



Tgt Ion:152 Resp: 745755
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 175.2 0.0 344.4





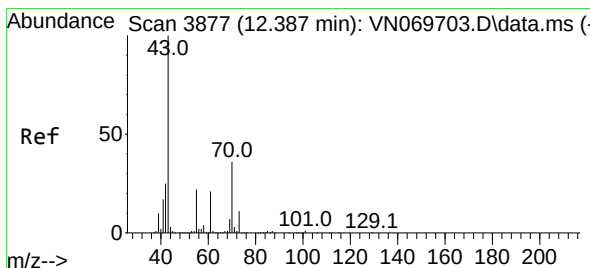
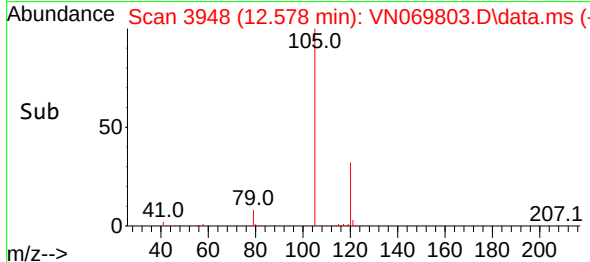
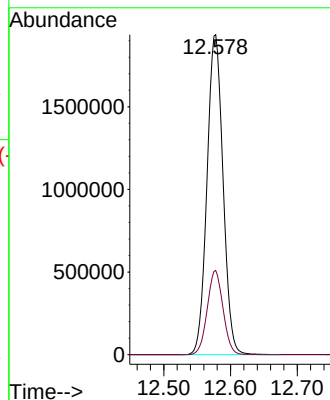
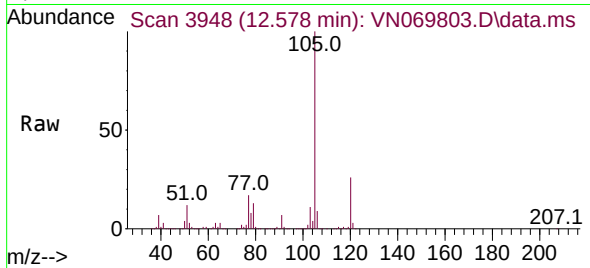
#73
Isopropylbenzene
Concen: 48.659 ug/l
RT: 12.578 min Scan# 3949
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 3228578
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.1

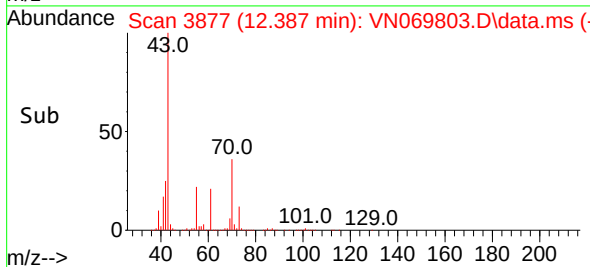
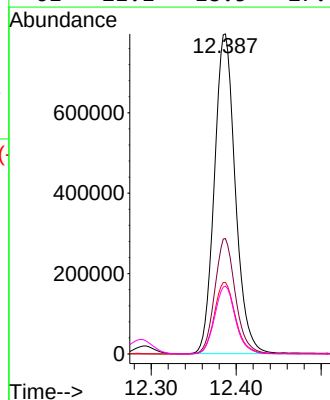
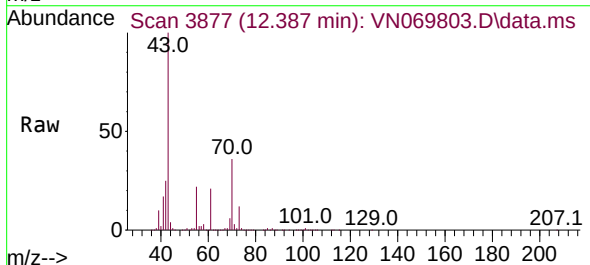
Manual Integrations
APPROVED

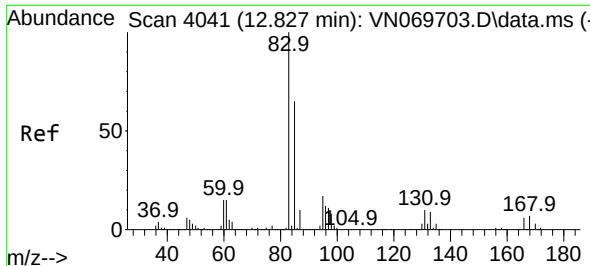
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#74
N-ethyl acetate
Concen: 46.333 ug/l
RT: 12.387 min Scan# 3877
Delta R.T. -0.000 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Tgt Ion: 43 Resp: 1359547
Ion Ratio Lower Upper
43 100
70 35.7 33.4 50.0
55 22.7 19.3 28.9
61 21.1 18.5 27.7





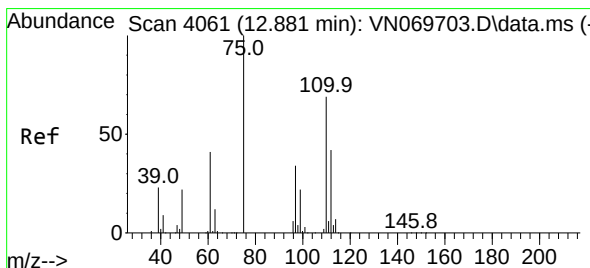
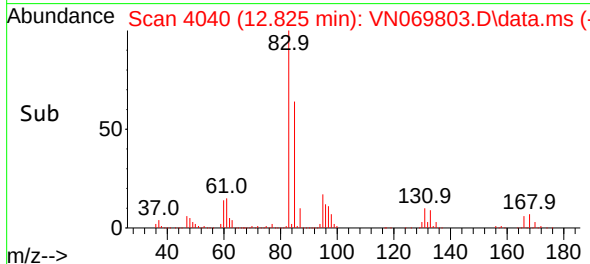
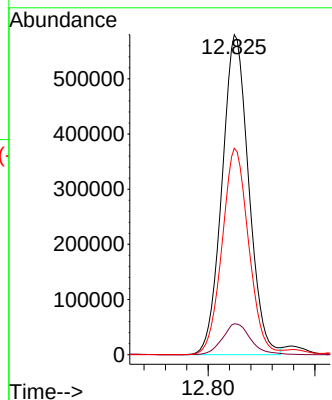
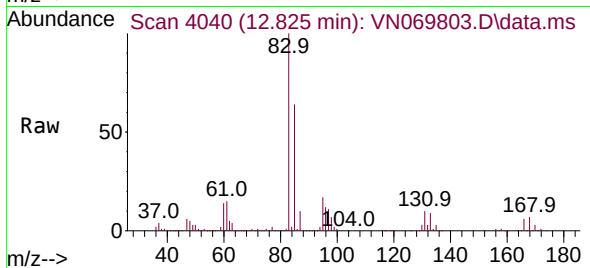
#75
1,1,2,2-Tetrachloroethane
Concen: 43.863 ug/l
RT: 12.825 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 1006408
Ion Ratio Lower Upper
83 100
131 10.2 5.5 16.5
85 64.2 32.4 97.2

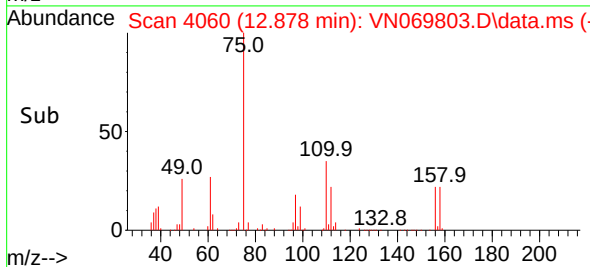
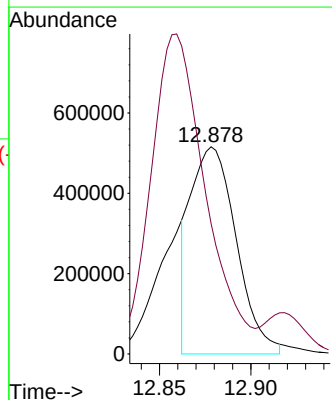
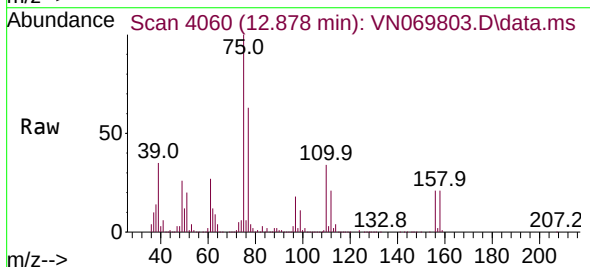
Manual Integrations
APPROVED

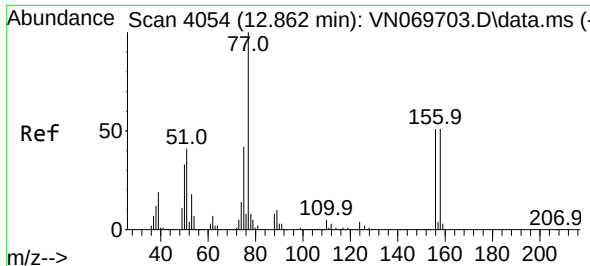
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#76
1,2,3-Trichloropropane
Concen: 41.979 ug/l m
RT: 12.878 min Scan# 4060
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Tgt Ion: 75 Resp: 897777
Ion Ratio Lower Upper
75 100
77 184.7 82.6 247.8





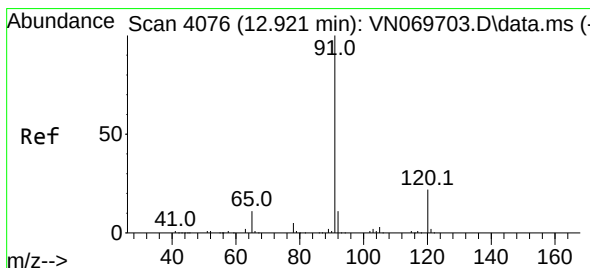
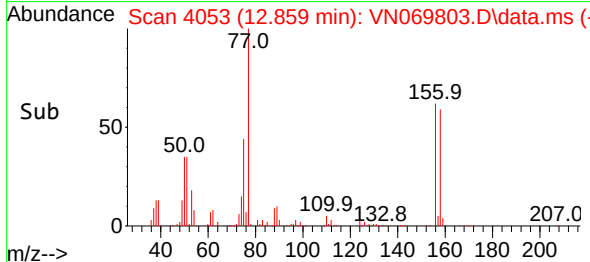
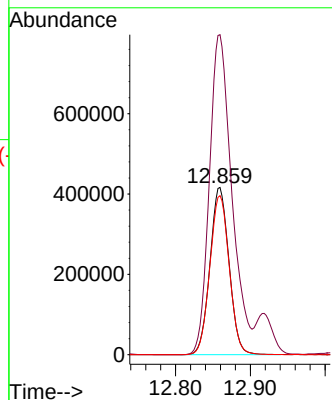
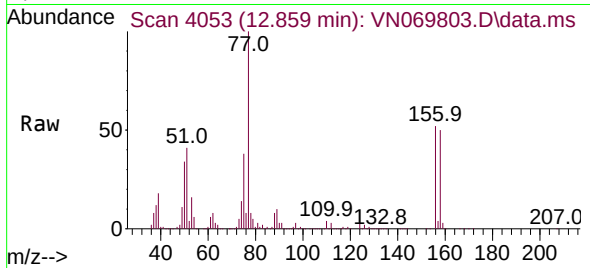
#77
Bromobenzene
Concen: 47.329 ug/l
RT: 12.859 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 73762
Ion Ratio Lower Upper
156 100
77 224.8 90.6 271.8
158 96.9 48.9 146.7

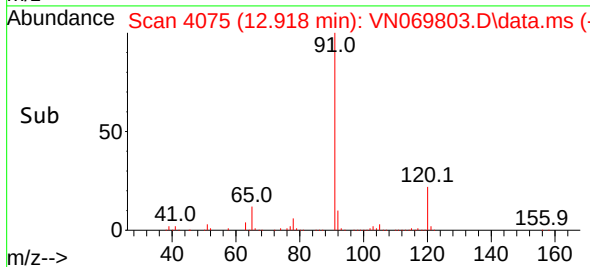
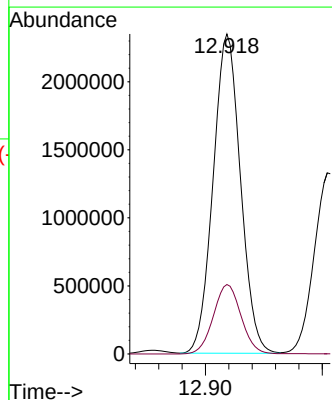
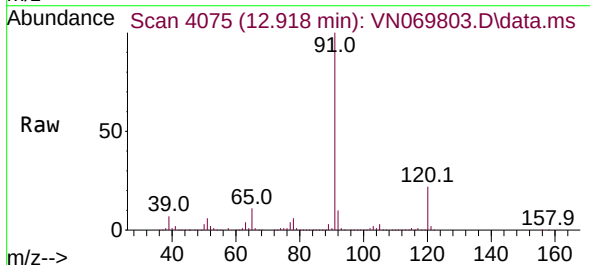
Manual Integrations
APPROVED

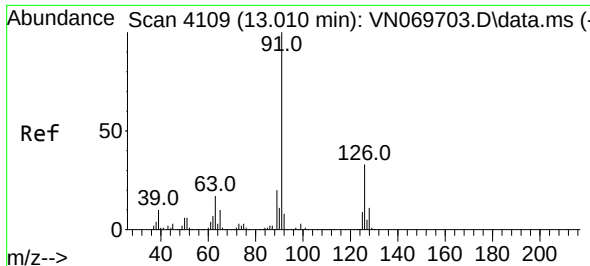
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#78
n-propylbenzene
Concen: 51.644 ug/l
RT: 12.918 min Scan# 4075
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Tgt Ion: 91 Resp: 3813095
Ion Ratio Lower Upper
91 100
120 22.0 11.9 35.9





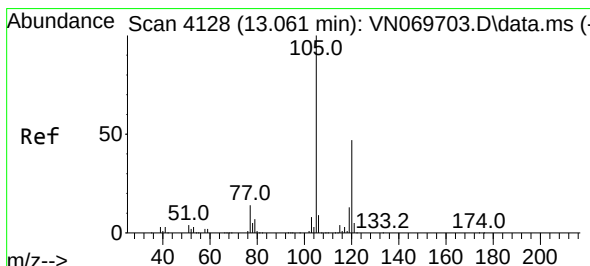
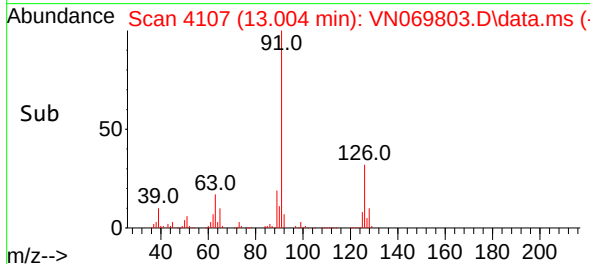
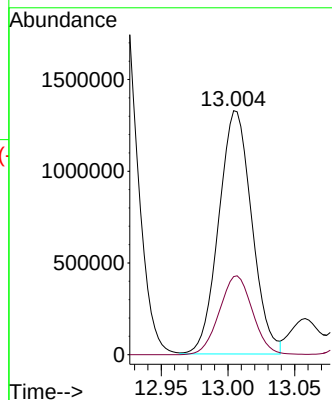
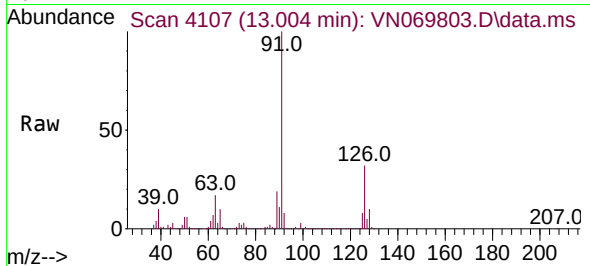
#79
2-Chlorotoluene
Concen: 49.092 ug/l
RT: 13.004 min Scan# 4109
Delta R.T. -0.005 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2290350
Ion Ratio Lower Upper
91 100
126 32.5 18.3 54.8

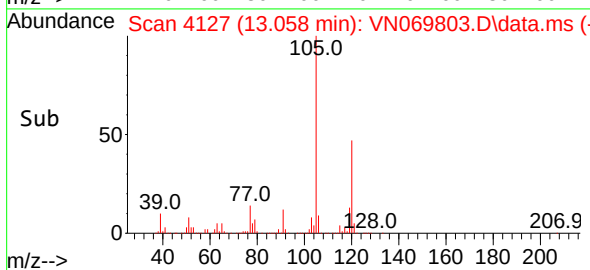
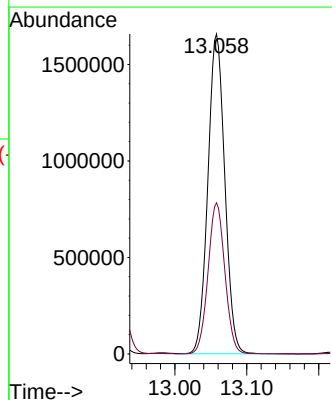
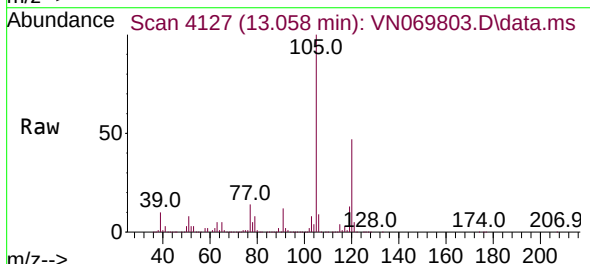
Manual Integrations
APPROVED

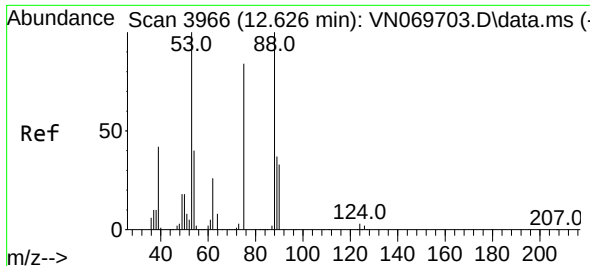
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#80
1,3,5-Trimethylbenzene
Concen: 50.776 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

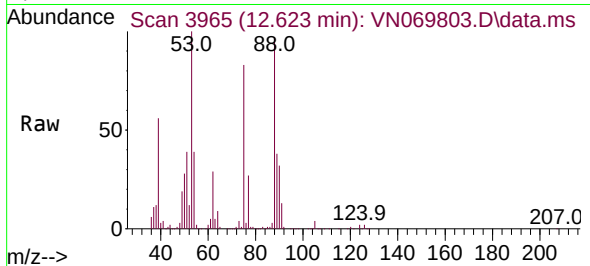
Tgt Ion:105 Resp: 2711666
Ion Ratio Lower Upper
105 100
120 47.0 24.6 73.6





#81
trans-1,4-Dichloro-2-butene
Concen: 43.848 ug/l
RT: 12.623 min Scan# 3966
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

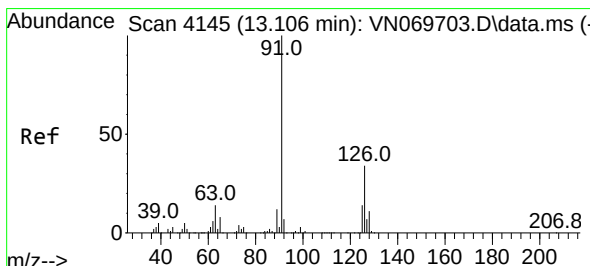
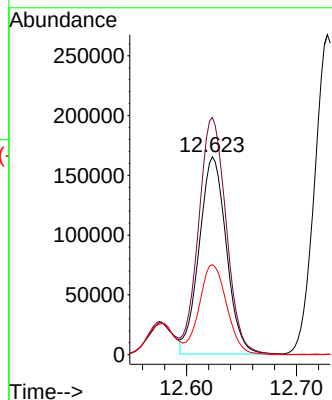
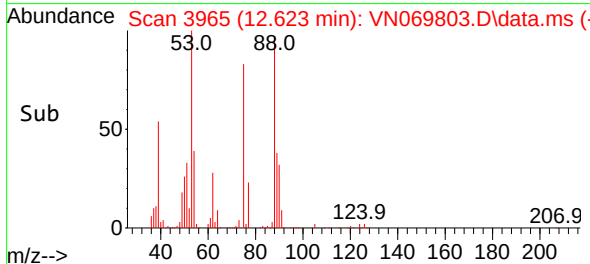
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 282968
Ion Ratio Lower Upper
75 100
53 122.5 90.5 135.7
89 46.5 38.2 57.4

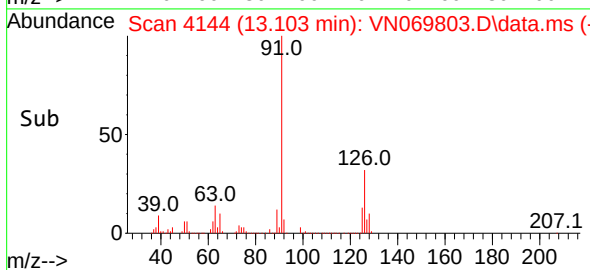
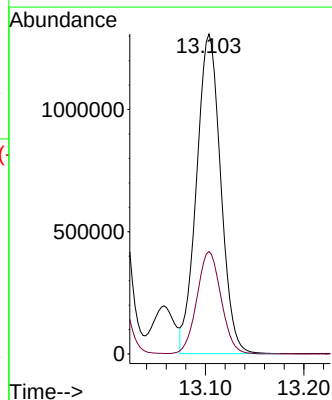
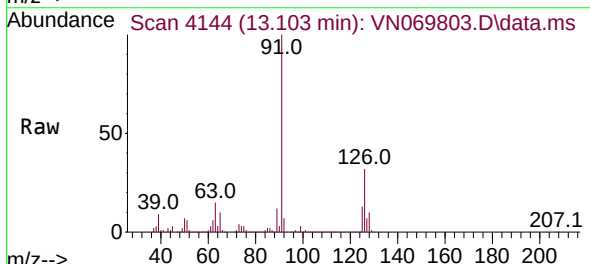
Manual Integrations
APPROVED

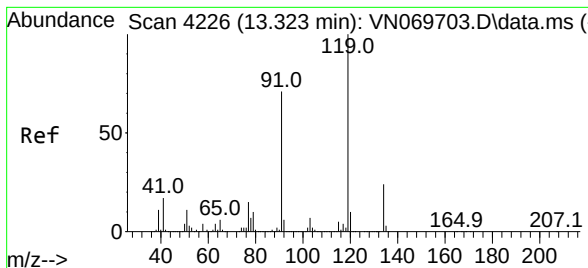
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#82
4-Chlorotoluene
Concen: 50.756 ug/l
RT: 13.103 min Scan# 4144
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

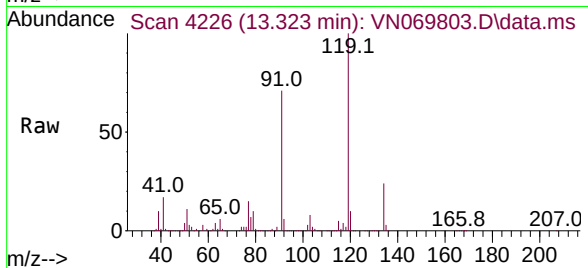
Tgt Ion: 91 Resp: 2226925
Ion Ratio Lower Upper
91 100
126 32.3 18.2 54.6





#83
tert-Butylbenzene
Concen: 49.185 ug/l
RT: 13.323 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

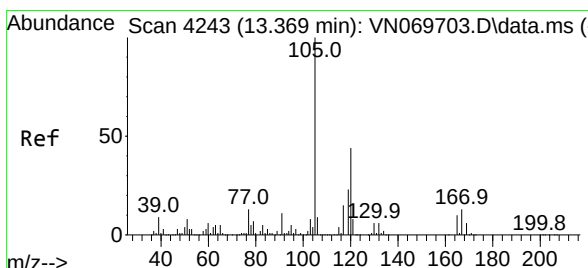
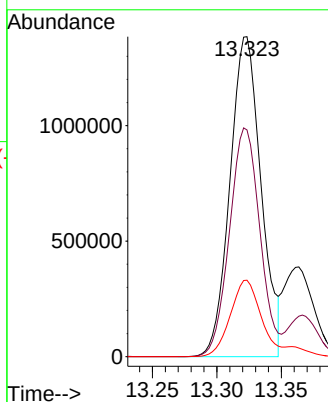
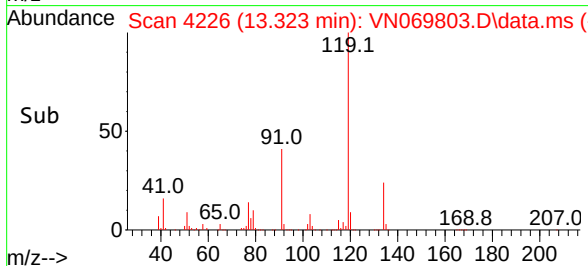
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



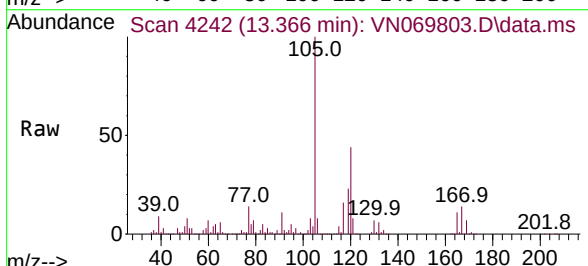
Tgt Ion:119 Resp: 2325904
Ion Ratio Lower Upper
119 100
91 70.4 31.5 94.5
134 23.9 12.4 37.4

Manual Integrations
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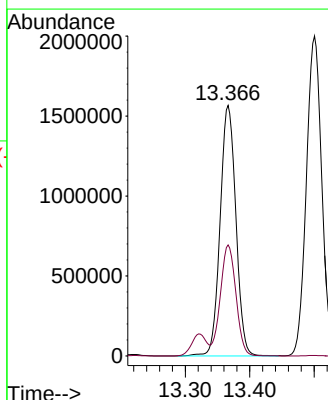
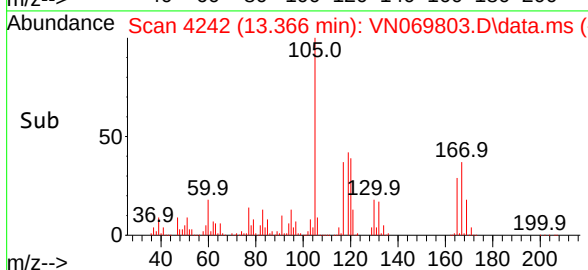
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

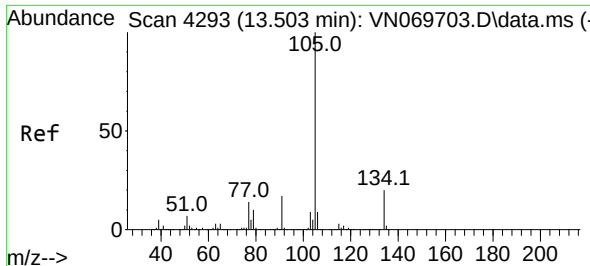


#84
1,2,4-Trimethylbenzene
Concen: 52.200 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



Tgt Ion:105 Resp: 2654915
Ion Ratio Lower Upper
105 100
120 43.7 22.8 68.4





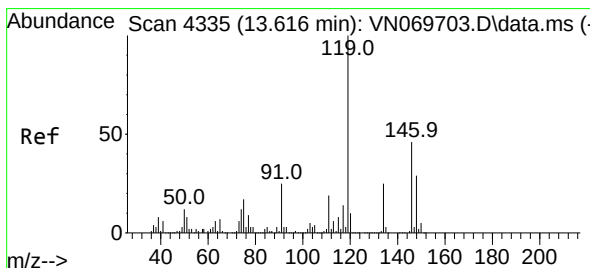
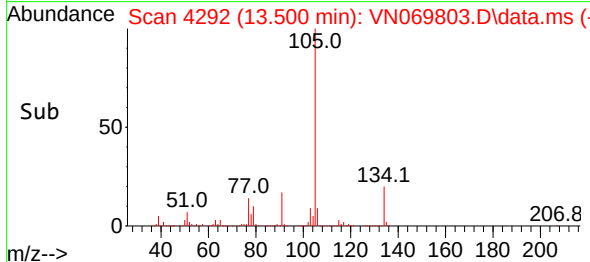
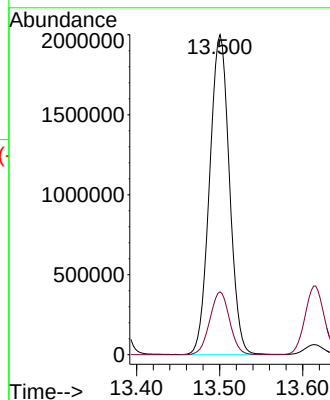
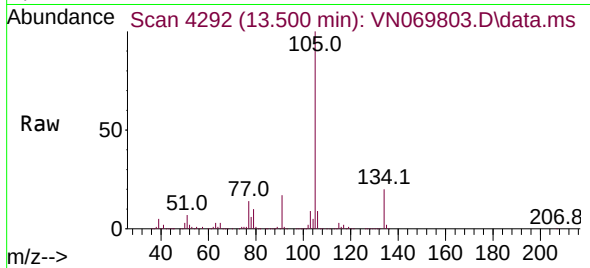
#85
 sec-Butylbenzene
 Concen: 51.674 ug/l
 RT: 13.500 min Scan# 4293
 Delta R.T. -0.003 min
 Lab File: VN069803.D
 Acq: 7 Dec 2021 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 3314494
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.4 31.1

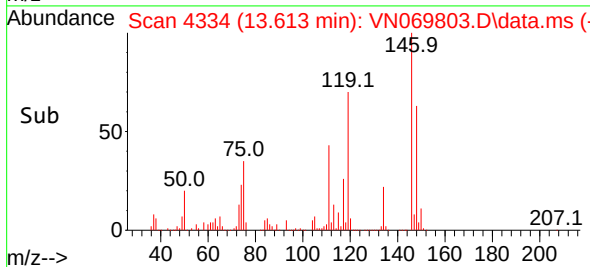
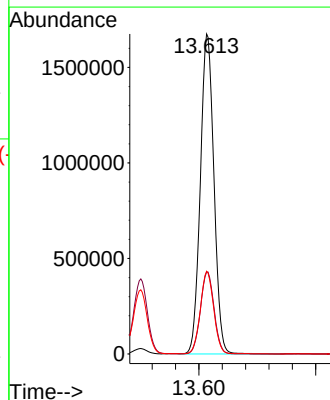
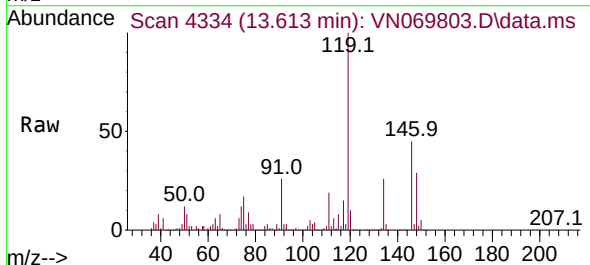
Manual Integrations
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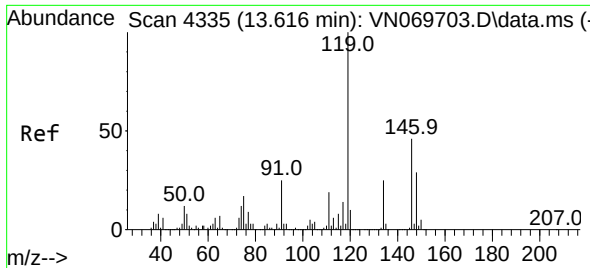
Reviewed By :John Carlone 12/08/2021
 Supervised By :Amit Patel 12/14/2021



#86
 p-Isopropyltoluene
 Concen: 53.860 ug/l
 RT: 13.613 min Scan# 4334
 Delta R.T. -0.003 min
 Lab File: VN069803.D
 Acq: 7 Dec 2021 9:49

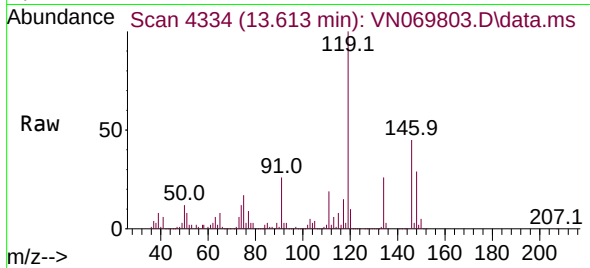
Tgt Ion:119 Resp: 2700418
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.6 40.7
 91 25.3 11.4 34.1





#87
1,3-Dichlorobenzene
Concen: 50.887 ug/l
RT: 13.613 min Scan# 4335
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

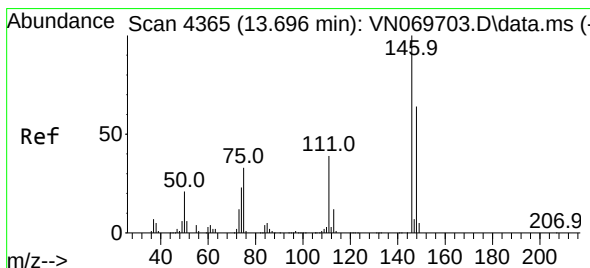
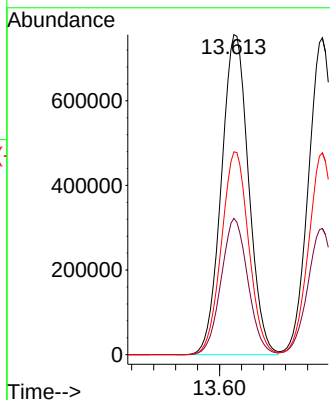
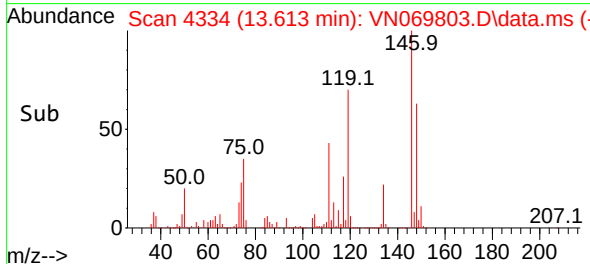
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



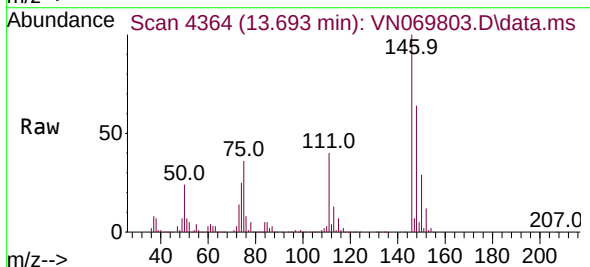
Tgt Ion:146 Resp: 1302879
Ion Ratio Lower Upper
146 100
111 41.9 18.6 55.6
148 63.5 31.6 95.0

Manual Integrations
APPROVED

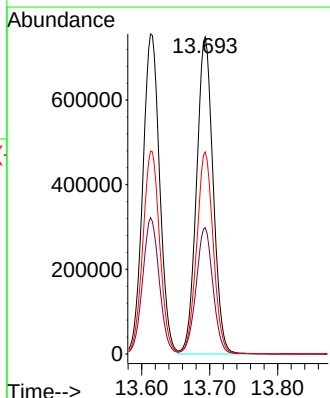
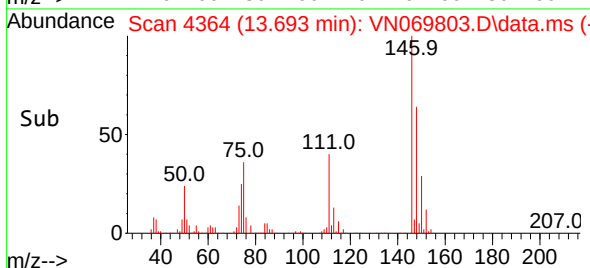
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

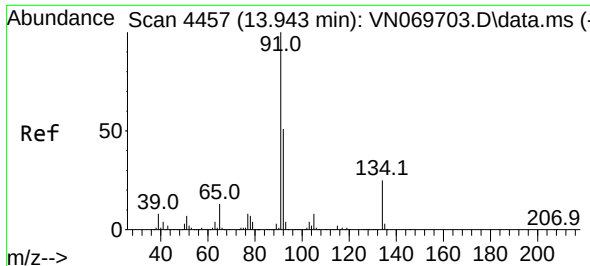


#88
1,4-Dichlorobenzene
Concen: 50.449 ug/l
RT: 13.693 min Scan# 4364
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



Tgt Ion:146 Resp: 1269369
Ion Ratio Lower Upper
146 100
111 40.1 18.3 54.8
148 63.6 31.8 95.4





#89

n-Butylbenzene

Concen: 55.215 ug/l

RT: 13.940 min Scan# 4457

Delta R.T. -0.003 min

Lab File: VN069803.D

Acq: 7 Dec 2021 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 224564

Ion Ratio Lower Upper

91 100

92 51.7 25.4 76.0

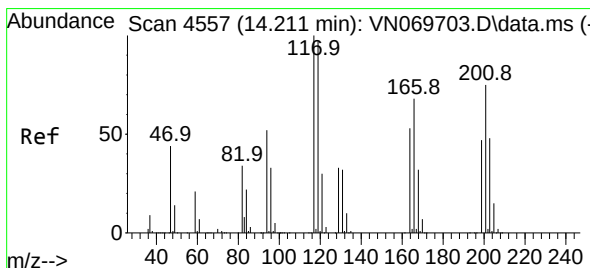
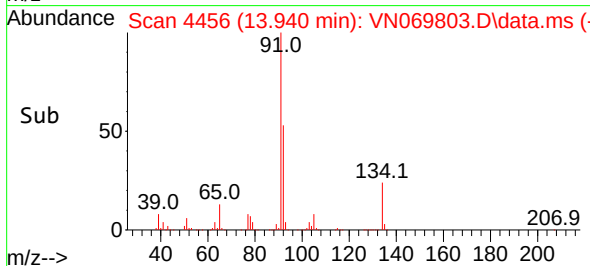
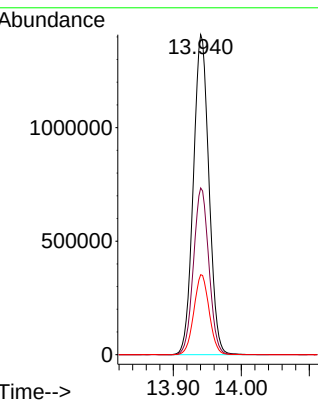
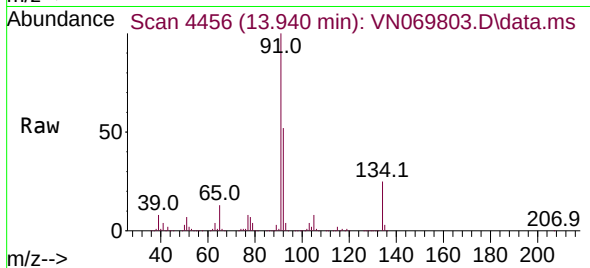
134 24.6 13.6 40.8

Manual Integrations

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Reviewed By :John Carlone 12/08/2021

Supervised By :Amit Patel 12/14/2021



#90

Hexachloroethane

Concen: 50.947 ug/l

RT: 14.208 min Scan# 4556

Delta R.T. -0.003 min

Lab File: VN069803.D

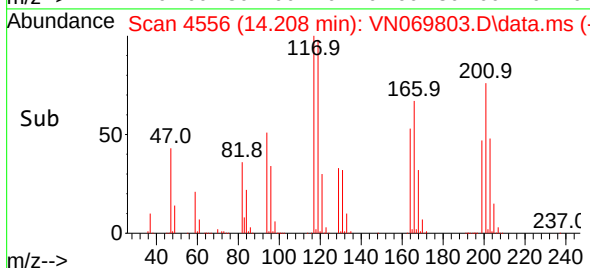
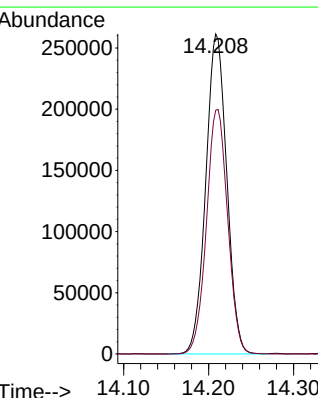
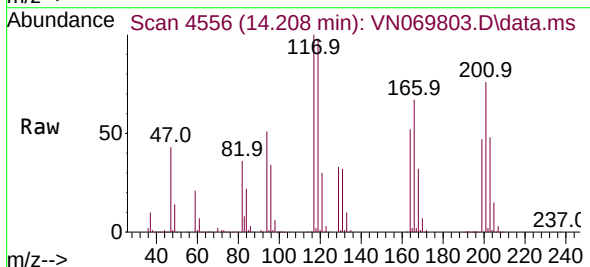
Acq: 7 Dec 2021 9:49

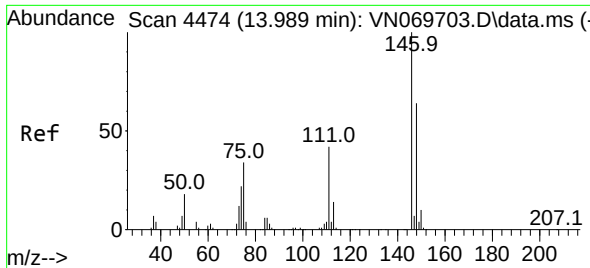
Tgt Ion:117 Resp: 448467

Ion Ratio Lower Upper

117 100

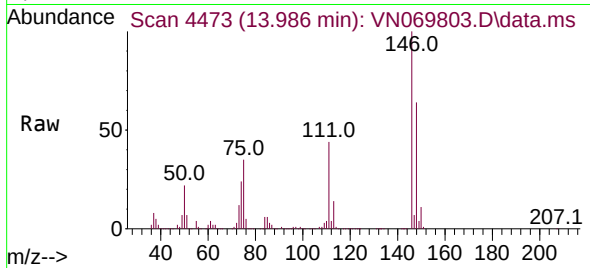
201 77.2 43.9 131.6





#91
1,2-Dichlorobenzene
Concen: 49.879 ug/l
RT: 13.986 min Scan# 4474
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

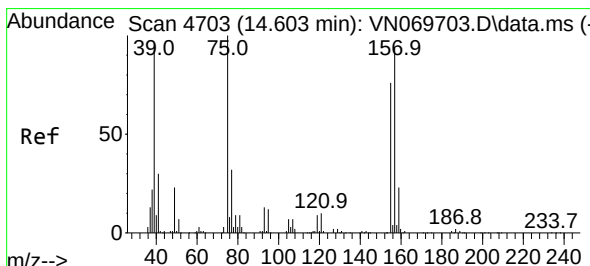
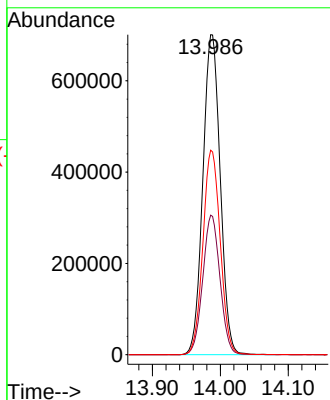
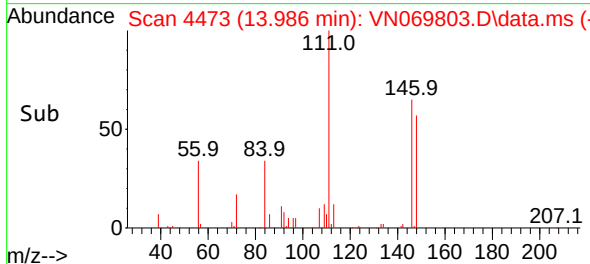
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



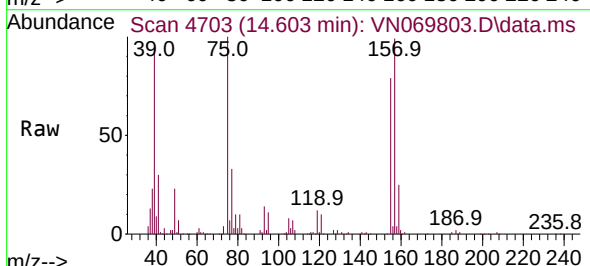
Tgt Ion:146 Resp: 124433
Ion Ratio Lower Upper
146 100
111 43.2 19.1 57.3
148 63.7 32.1 96.3

Manual Integrations
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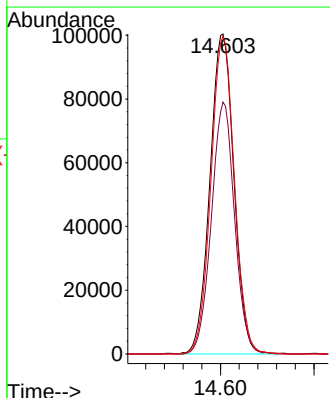
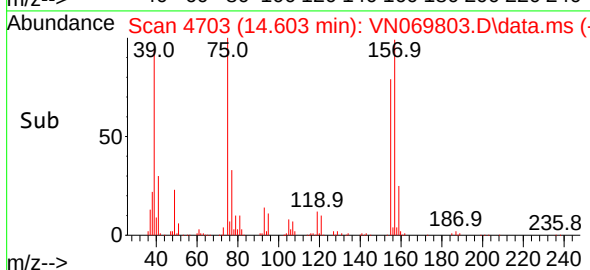
Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

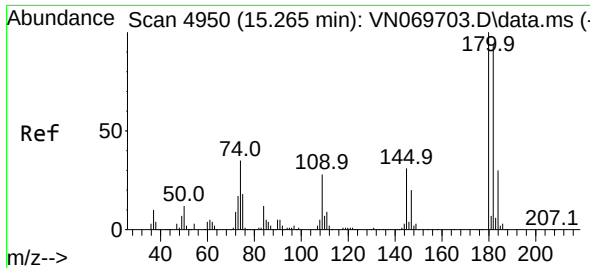


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.099 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. -0.000 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49



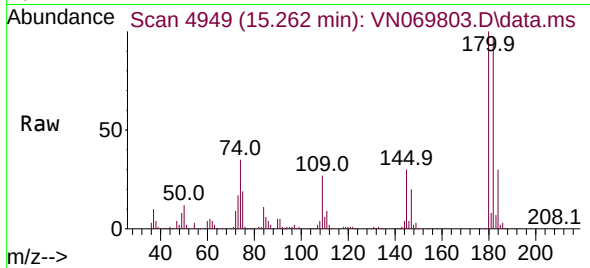
Tgt Ion: 75 Resp: 178689
Ion Ratio Lower Upper
75 100
155 76.2 46.9 140.7
157 97.5 60.6 181.7





#93
 1,2,4-Trichlorobenzene
 Concen: 46.989 ug/l
 RT: 15.262 min Scan# 4950
 Delta R.T. -0.003 min
 Lab File: VN069803.D
 Acq: 7 Dec 2021 9:49

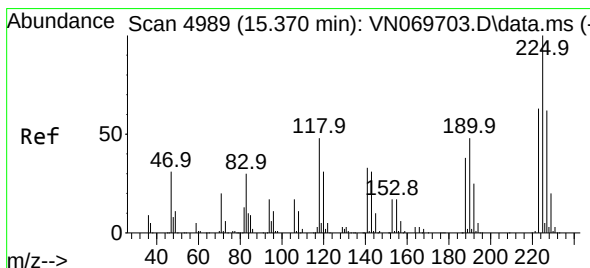
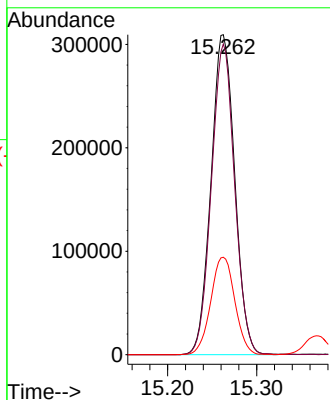
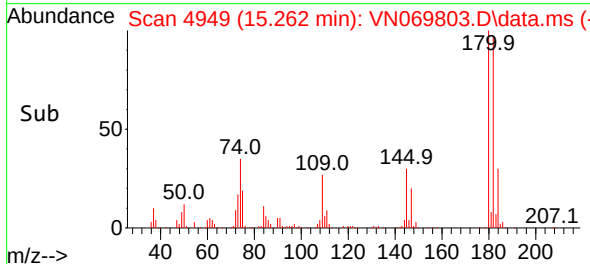
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



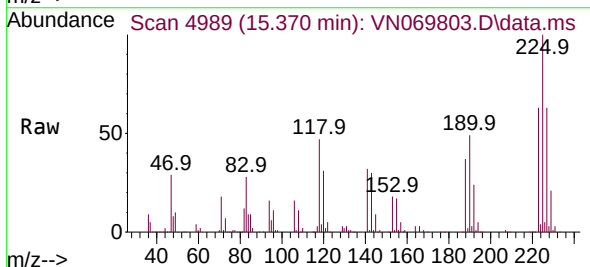
Tgt Ion:180 Resp: 57268
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.3 144.9
 145 31.0 14.5 43.5

Manual Integrations
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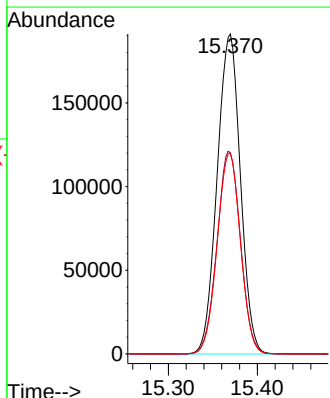
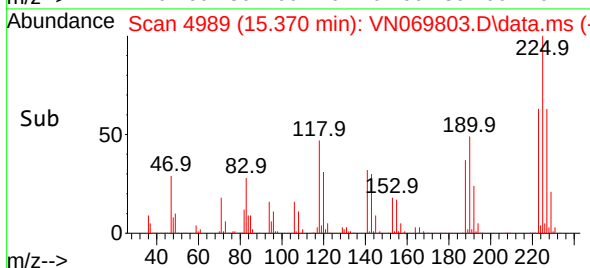
Reviewed By :John Carlone 12/08/2021
 Supervised By :Amit Patel 12/14/2021

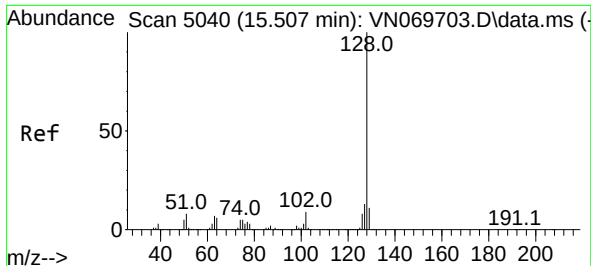


#94
 Hexachlorobutadiene
 Concen: 52.545 ug/l
 RT: 15.370 min Scan# 4989
 Delta R.T. -0.000 min
 Lab File: VN069803.D
 Acq: 7 Dec 2021 9:49



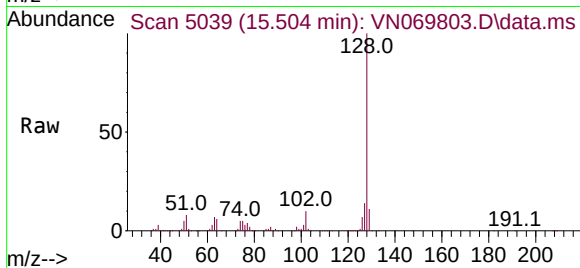
Tgt Ion:225 Resp: 347403
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.9 95.7
 227 62.8 32.1 96.3





#95
Naphthalene
Concen: 39.067 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

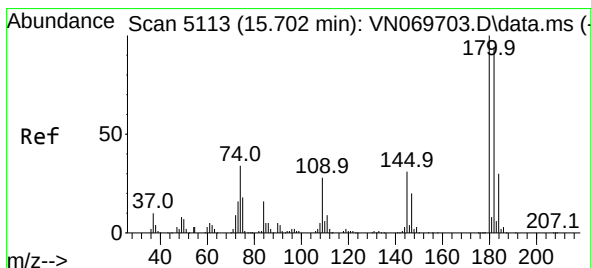
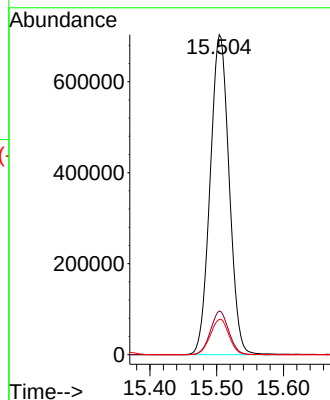
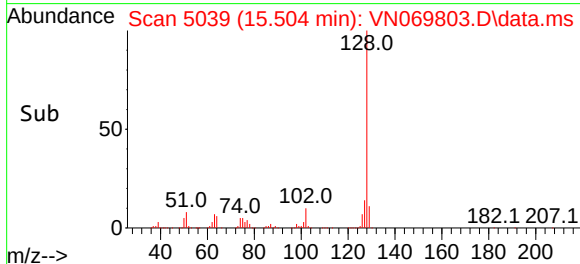
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:128 Resp: 1389280
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.9 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021



#96
1,2,3-Trichlorobenzene
Concen: 45.414 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069803.D
Acq: 7 Dec 2021 9:49

Tgt Ion:180 Resp: 538744
Ion Ratio Lower Upper
180 100
182 95.2 47.4 142.2
145 32.5 15.0 45.1

