

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070117.D
 Acq On : 15 Dec 2021 17:35
 Operator : JC/MD
 Sample : VN1215MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2021
 Supervised By : Amit Patel 12/16/2021

Quant Time: Dec 16 05:40:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	982813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1633485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1483381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	612561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	835182	55.038	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.080%			
35) Dibromofluoromethane	8.024	113	571931	55.897	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 111.800%			
50) Toluene-d8	10.440	98	2213003	53.865	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.740%			
62) 4-Bromofluorobenzene	12.731	95	776797	52.191	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	202544	17.669	ug/l	97
3) Chloromethane	2.303	50	260934	18.170	ug/l	100
4) Vinyl Chloride	2.446	62	241589	18.295	ug/l	99
5) Bromomethane	2.856	94	138678	19.331	ug/l	96
6) Chloroethane	3.017	64	148656	18.371	ug/l	98
7) Trichlorofluoromethane	3.376	101	310577	17.920	ug/l	97
8) Diethyl Ether	3.824	74	138638	20.770	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.202	101	195451	20.119	ug/l	95
10) Methyl Iodide	4.417	142	243801	18.370	ug/l	98
11) Tert butyl alcohol	5.382	59	260270	90.738	ug/l #	86
12) 1,1-Dichloroethene	4.175	96	181320	19.368	ug/l	87
13) Acrolein	4.039	56	166426	68.133	ug/l	99
14) Allyl chloride	4.840	41	419707	19.896	ug/l #	89
15) Acrylonitrile	5.557	53	787104	101.835	ug/l	99
16) Acetone	4.291	43	820328	89.867	ug/l	96
17) Carbon Disulfide	4.524	76	388069	16.045	ug/l	98
18) Methyl Acetate	4.862	43	545304	19.791	ug/l	92
19) Methyl tert-butyl Ether	5.621	73	743904	20.437	ug/l	95
20) Methylene Chloride	5.093	84	231197	19.052	ug/l #	85
21) trans-1,2-Dichloroethene	5.599	96	192630	18.944	ug/l	86
22) Diisopropyl ether	6.498	45	885792	21.483	ug/l #	94
23) Vinyl Acetate	6.436	43	3447420	102.771	ug/l	95
24) 1,1-Dichloroethane	6.385	63	437896	20.502	ug/l	97
25) 2-Butanone	7.340	43	1196036	96.434	ug/l	91
26) 2,2-Dichloropropane	7.327	77	311737	18.772	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	240739	19.596	ug/l	85
28) Bromochloromethane	7.659	49	182903	16.468	ug/l #	76
29) Tetrahydrofuran	7.689	42	771360	102.422	ug/l #	86
30) Chloroform	7.817	83	443193	20.546	ug/l	100
31) Cyclohexane	8.094	56	409921	19.411	ug/l	88
32) 1,1,1-Trichloroethane	8.016	97	356198	19.386	ug/l	95
36) 1,1-Dichloropropene	8.222	75	302020	19.422	ug/l	96
37) Ethyl Acetate	7.415	43	458622	19.815	ug/l	95
38) Carbon Tetrachloride	8.206	117	280547	18.398	ug/l	99
39) Methylcyclohexane	9.462	83	349434	18.892	ug/l	90
40) Benzene	8.458	78	958098	20.157	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	226918	20.886	ug/l	90
42) 1,2-Dichloroethane	8.531	62	392699	20.467	ug/l	97
43) Isopropyl Acetate	8.563	43	686186	20.034	ug/l #	93
44) Trichloroethene	9.217	130	217290	19.153	ug/l	94
45) 1,2-Dichloropropane	9.491	63	262858	20.594	ug/l	99
46) Dibromomethane	9.580	93	163439	19.525	ug/l	93
47) Bromodichloromethane	9.762	83	316527	19.971	ug/l	98
48) Methyl methacrylate	9.561	41	320910	20.077	ug/l	86
49) 1,4-Dioxane	9.571	88	111065	387.259	ug/l #	84
51) 4-Methyl-2-Pentanone	10.330	43	2341024	105.361	ug/l	95
52) Toluene	10.505	92	575341	19.827	ug/l	100
53) t-1,3-Dichloropropene	10.719	75	323022	18.790	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	362616	19.397	ug/l	91
55) 1,1,2-Trichloroethane	10.899	97	237465	20.282	ug/l	97
56) Ethyl methacrylate	10.760	69	387241	19.009	ug/l #	87
57) 1,3-Dichloropropane	11.044	76	423829	20.558	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	400265	80.546	ug/l	90
59) 2-Hexanone	11.087	43	1660536	98.794	ug/l	93
60) Dibromochloromethane	11.240	129	212616	18.519	ug/l	99
61) 1,2-Dibromoethane	11.347	107	231461	19.086	ug/l	99
64) Tetrachloroethene	10.977	164	193349	19.223	ug/l	95
65) Chlorobenzene	11.771	112	595035	19.773	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	210297	19.854	ug/l	99
67) Ethyl Benzene	11.846	91	1117135	20.436	ug/l	97
68) m/p-Xylenes	11.953	106	804354	40.413	ug/l	91
69) o-Xylene	12.280	106	403653	20.134	ug/l	91
70) Styrene	12.294	104	641454	20.178	ug/l	95
71) Bromoform	12.460	173	150407	18.427	ug/l #	98
73) Isopropylbenzene	12.578	105	1064941	19.540	ug/l	98
74) N-amyl acetate	12.388	43	449889	18.666	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	382765	20.310	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	364434m	20.746	ug/l	
77) Bromobenzene	12.860	156	245526	19.179	ug/l	77
78) n-propylbenzene	12.921	91	1185833	19.553	ug/l	95
79) 2-Chlorotoluene	13.007	91	746751	19.487	ug/l	92
80) 1,3,5-Trimethylbenzene	13.061	105	861190	19.632	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	85565	18.708	ug/l	86
82) 4-Chlorotoluene	13.106	91	699930	19.422	ug/l	92
83) tert-Butylbenzene	13.324	119	756045	19.464	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	826427	19.782	ug/l	98
85) sec-Butylbenzene	13.501	105	1023823	19.432	ug/l	97
86) p-Isopropyltoluene	13.616	119	803522	19.511	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	406818	19.344	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	387765	18.762	ug/l	95
89) n-Butylbenzene	13.943	91	612043	18.321	ug/l	97
90) Hexachloroethane	14.209	117	124657	17.241	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	405653	19.796	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	61393	18.027	ug/l	79
93) 1,2,4-Trichlorobenzene	15.263	180	167138	18.551	ug/l	98
94) Hexachlorobutadiene	15.370	225	108875	20.048	ug/l	99
95) Naphthalene	15.507	128	444501	17.650	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	167676	18.721	ug/l	97

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VN1215MBSD01

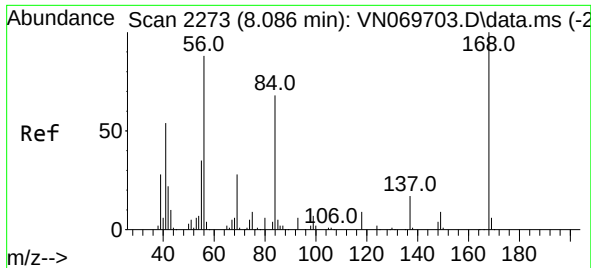
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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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



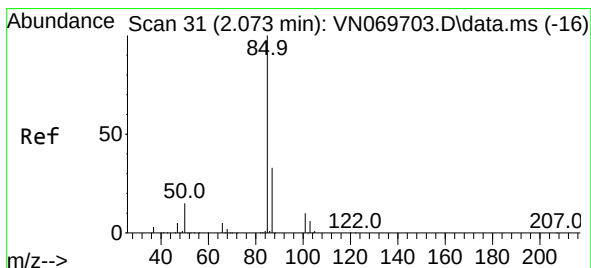
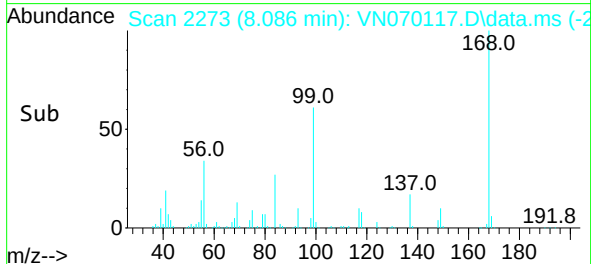
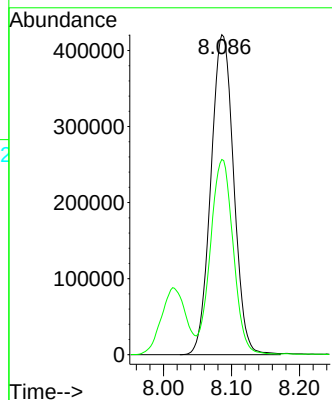
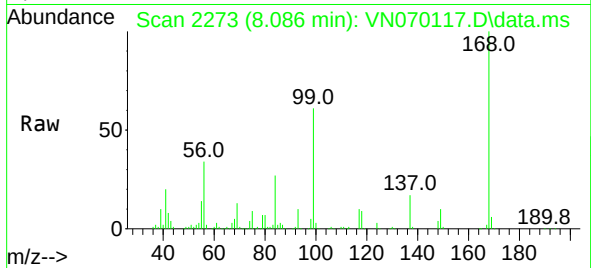
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN070117.D
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Tgt Ion:168 Resp: 98281
Ion Ratio Lower Upper
168 100
99 60.8 41.3 61.9

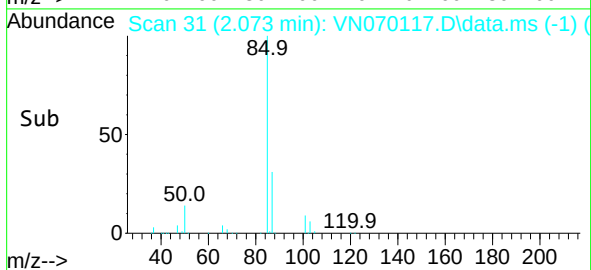
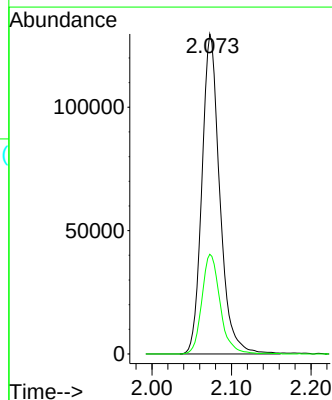
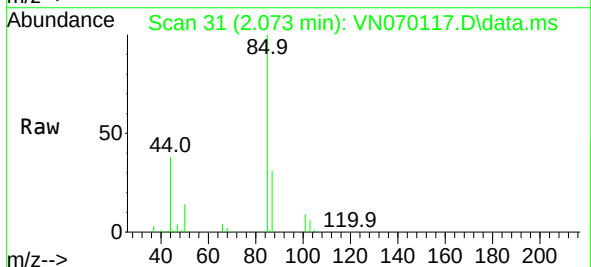
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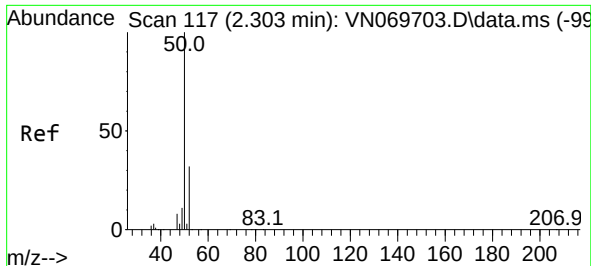
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#2
Dichlorodifluoromethane
Concen: 17.669 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

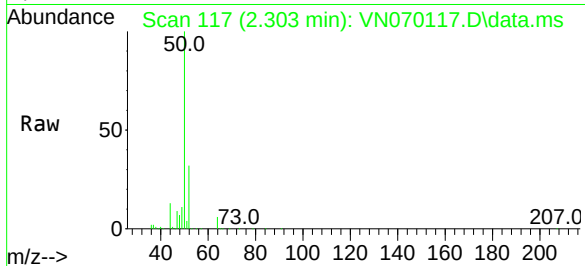
Tgt Ion: 85 Resp: 202544
Ion Ratio Lower Upper
85 100
87 31.2 16.3 48.9





#3
Chloromethane
Concen: 18.170 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

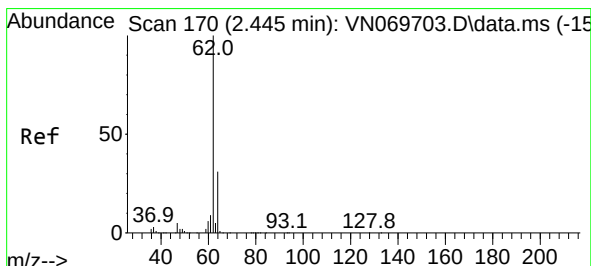
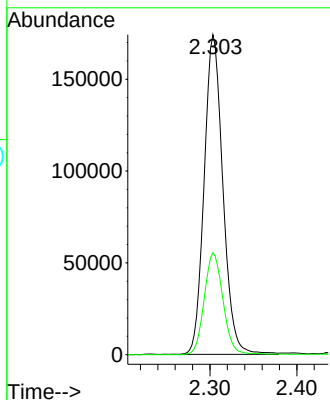
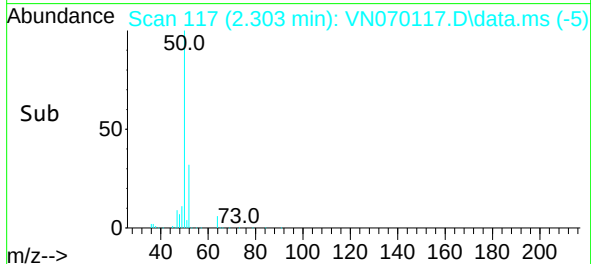
Instrument :
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Tgt Ion: 50 Resp: 260934
Ion Ratio Lower Upper
50 100
52 31.9 25.4 38.0

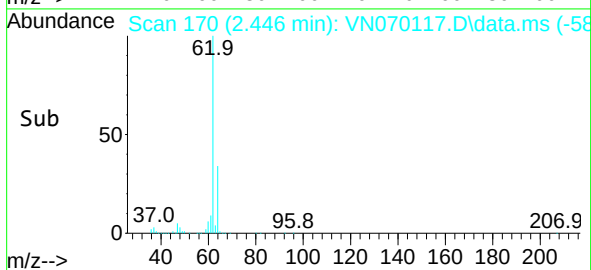
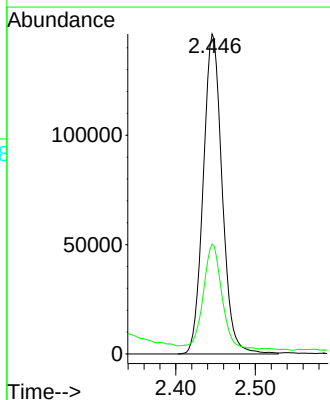
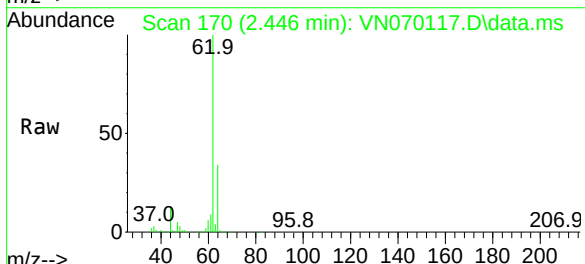
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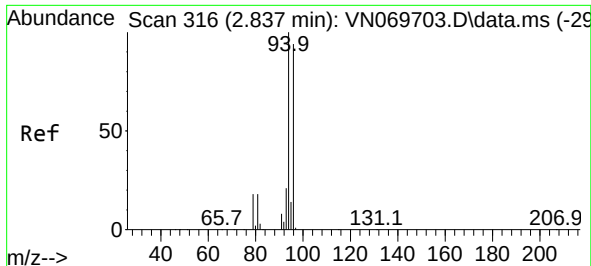
Reviewed By :John Carlone 12/16/2021
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#4
Vinyl Chloride
Concen: 18.295 ug/l
RT: 2.446 min Scan# 170
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

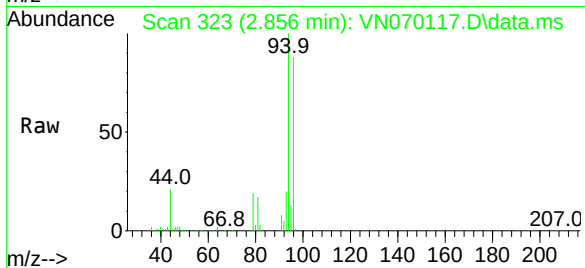
Tgt Ion: 62 Resp: 241589
Ion Ratio Lower Upper
62 100
64 32.9 25.8 38.6





#5
Bromomethane
Concen: 19.331 ug/l
RT: 2.856 min Scan# 316
Delta R.T. 0.019 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

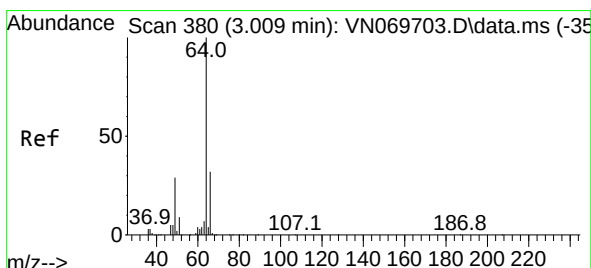
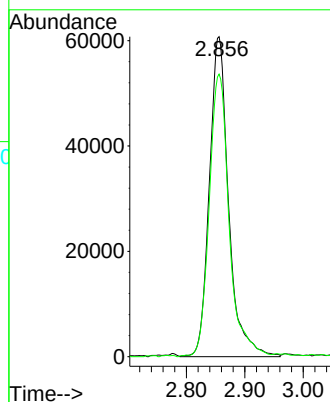
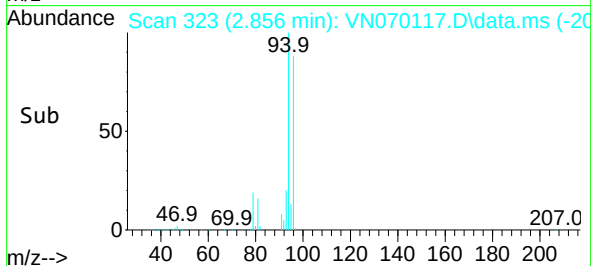
Instrument :
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Tgt Ion: 94 Resp: 138678
Ion Ratio Lower Upper
94 100
96 88.0 73.8 110.8

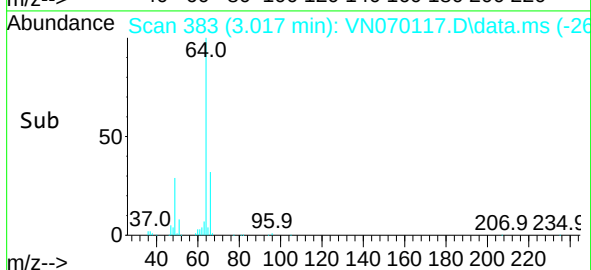
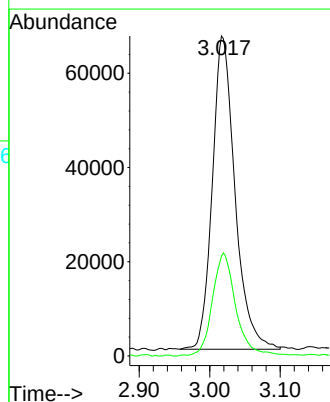
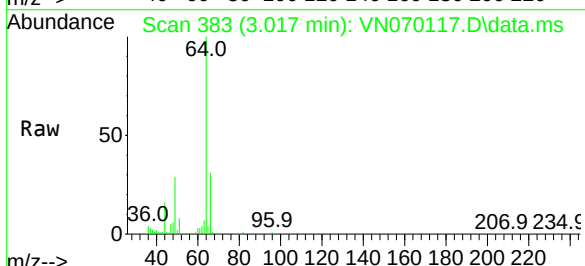
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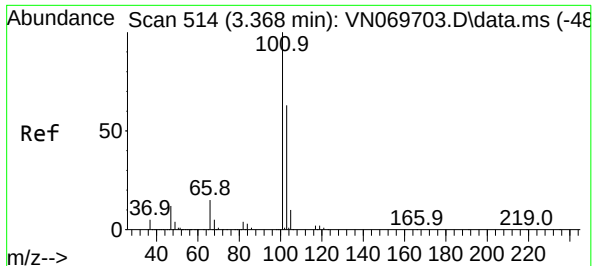
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#6
Chloroethane
Concen: 18.371 ug/l
RT: 3.017 min Scan# 383
Delta R.T. 0.008 min
Lab File: VN070117.D
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Tgt Ion: 64 Resp: 148656
Ion Ratio Lower Upper
64 100
66 31.7 26.3 39.5





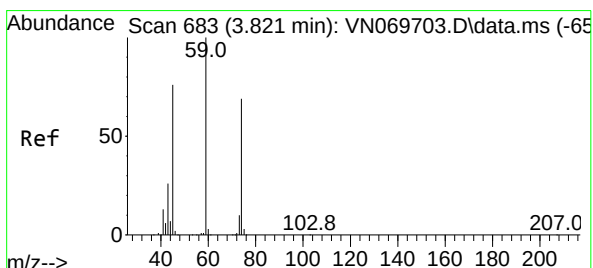
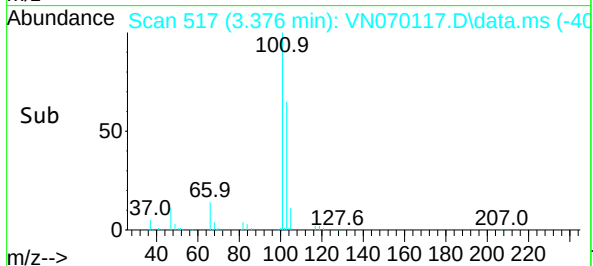
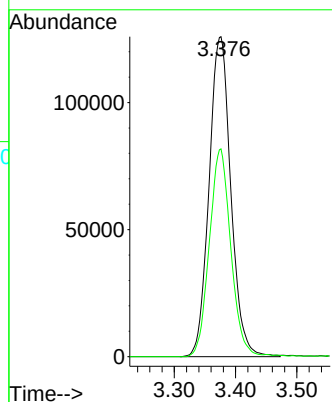
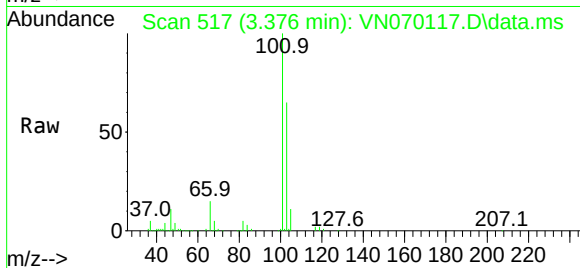
#7
Trichlorofluoromethane
Concen: 17.920 ug/l
RT: 3.376 min Scan# 514
Delta R.T. 0.008 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Instrument :
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ClientSampleId :
VN1215MBSD01

Tgt Ion:101 Resp: 31057
Ion Ratio Lower Upper
101 100
103 64.9 50.1 75.1

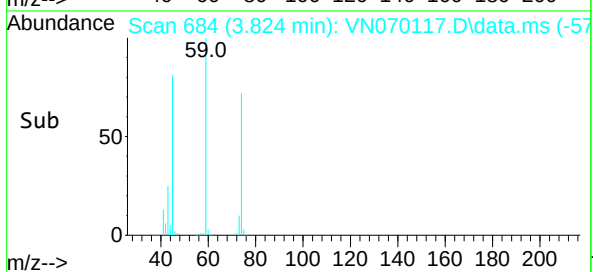
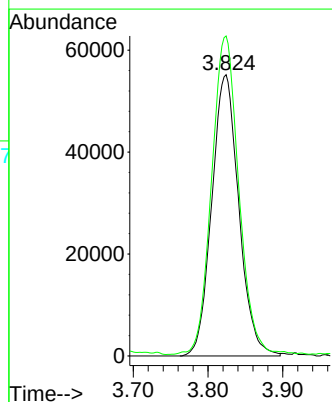
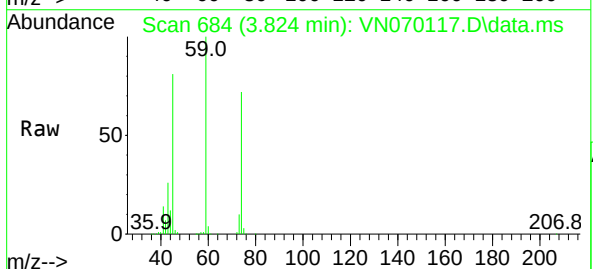
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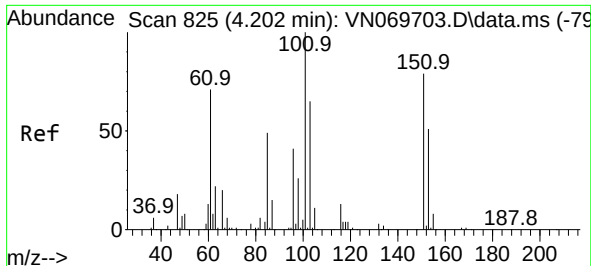
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#8
Diethyl Ether
Concen: 20.770 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.003 min
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Tgt Ion: 74 Resp: 138638
Ion Ratio Lower Upper
74 100
45 113.3 47.0 141.2





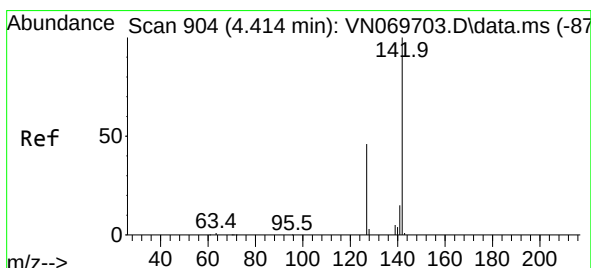
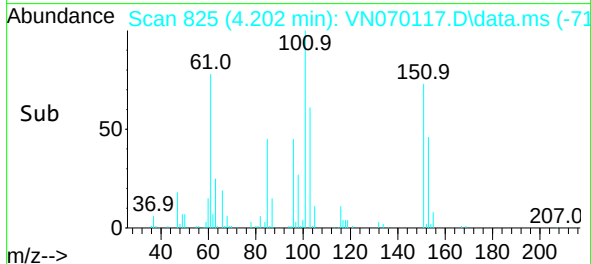
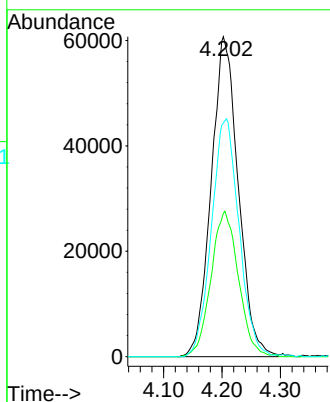
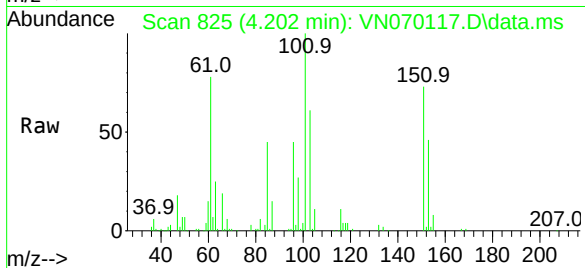
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1,1,2-Trichlorotrifluoroethane
Concen: 20.119 ug/l
RT: 4.202 min Scan# 81
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01

Tgt Ion:101 Resp: 19545
Ion Ratio Lower Upper
101 100
85 46.0 37.2 55.8
151 75.7 65.9 98.9

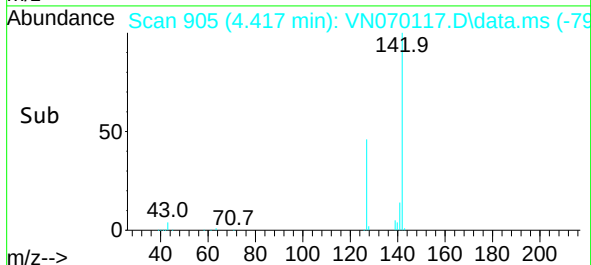
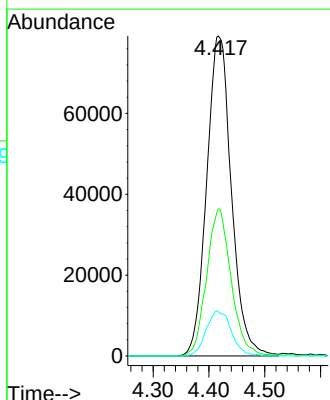
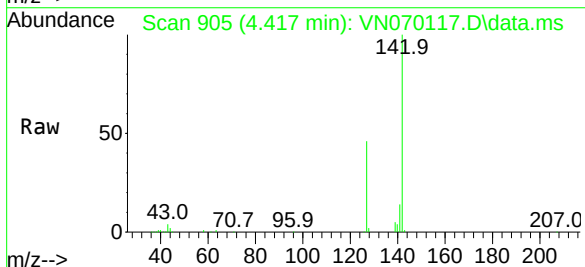
Manual Integrations
APPROVED

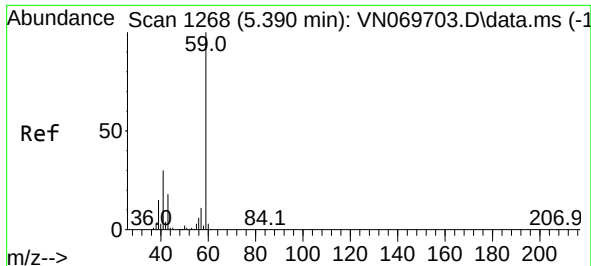
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#10
Methyl Iodide
Concen: 18.370 ug/l
RT: 4.417 min Scan# 905
Delta R.T. 0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

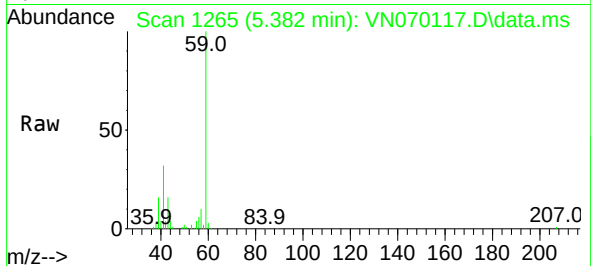
Tgt Ion:142 Resp: 243801
Ion Ratio Lower Upper
142 100
127 45.5 35.4 53.0
141 14.3 11.6 17.4





#11
Tert butyl alcohol
Concen: 90.738 ug/l
RT: 5.382 min Scan# 11
Delta R.T. -0.008 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

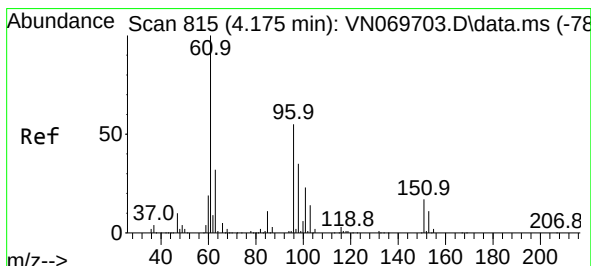
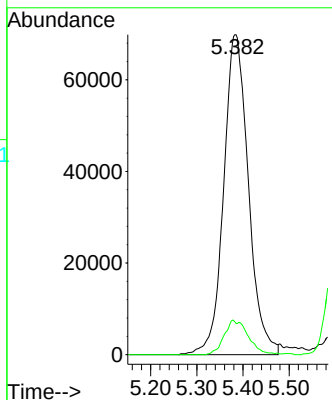
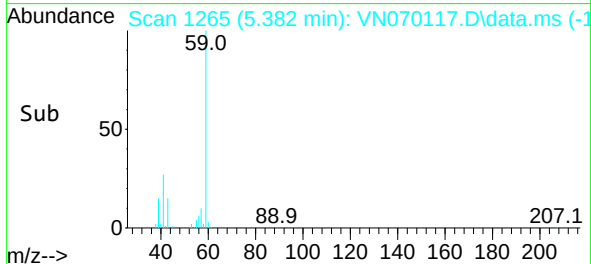
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBS01



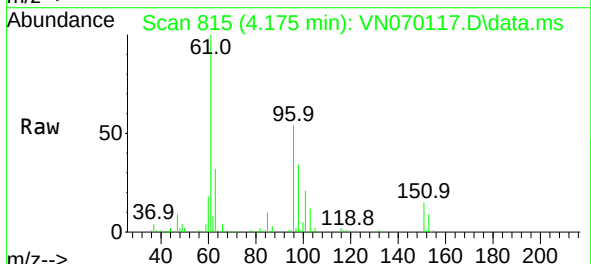
Tgt Ion: 59 Resp: 260270
Ion Ratio Lower Upper
59 100
57 5.6 8.7 13.1

Manual Integrations
APPROVED

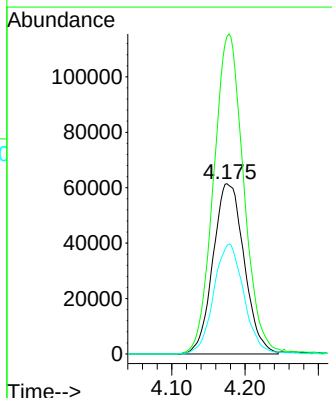
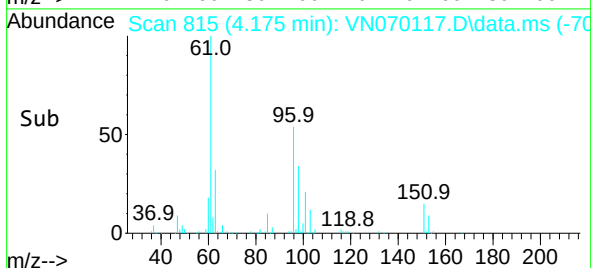
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

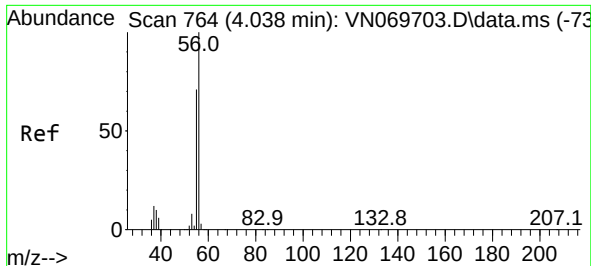


#12
1,1-Dichloroethene
Concen: 19.368 ug/l
RT: 4.175 min Scan# 815
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



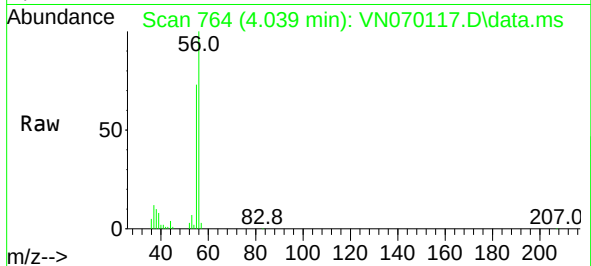
Tgt Ion: 96 Resp: 181320
Ion Ratio Lower Upper
96 100
61 186.5 131.0 196.6
98 63.6 52.4 78.6





#13
Acrolein
Concen: 68.133 ug/l
RT: 4.039 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

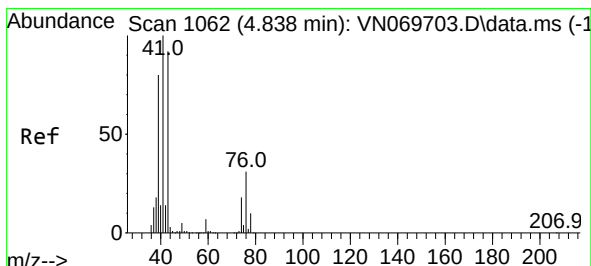
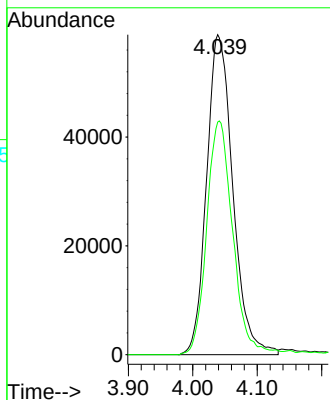
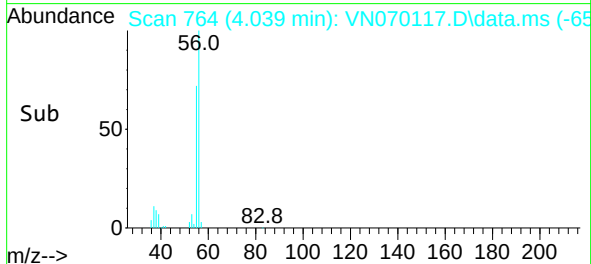
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



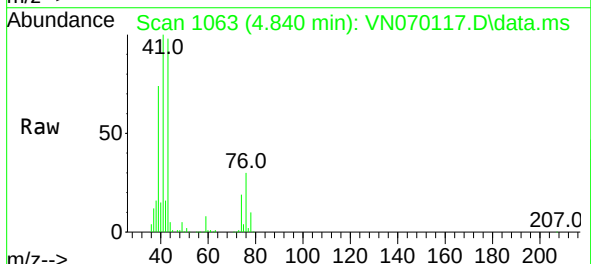
Tgt Ion: 56 Resp: 166420
Ion Ratio Lower Upper
56 100
55 71.9 56.6 85.0

Manual Integrations
APPROVED

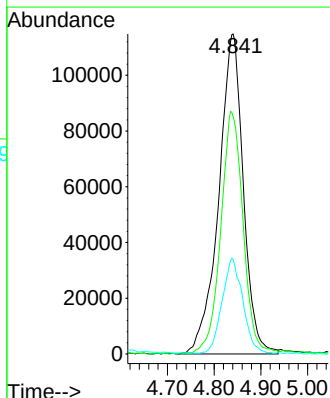
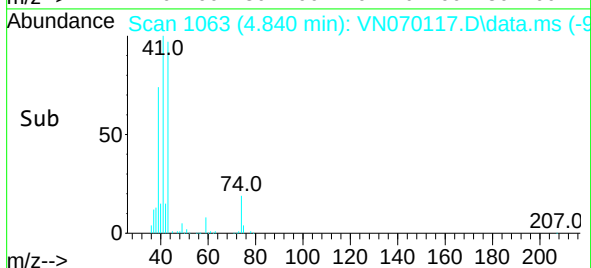
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

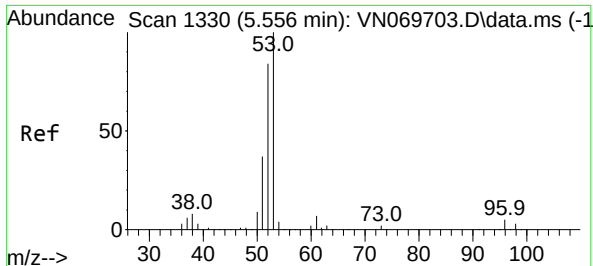


#14
Allyl chloride
Concen: 19.896 ug/l
RT: 4.840 min Scan# 1063
Delta R.T. 0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



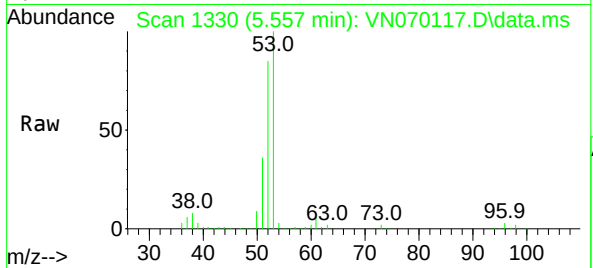
Tgt Ion: 41 Resp: 419707
Ion Ratio Lower Upper
41 100
39 67.6 61.2 91.8
76 24.8 26.0 39.0#





#15
Acrylonitrile
Concen: 101.835 ug/l
RT: 5.557 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

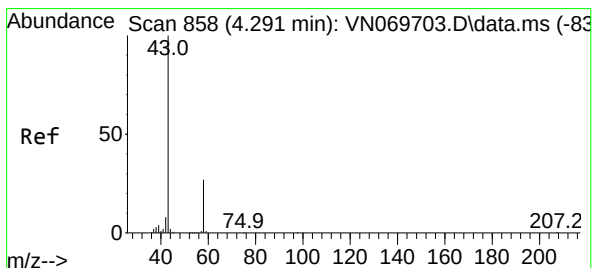
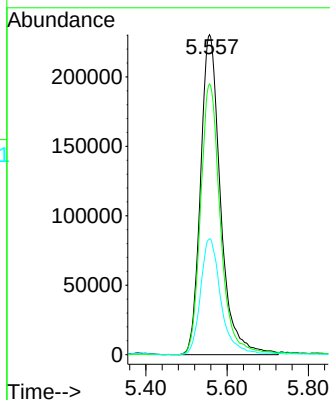
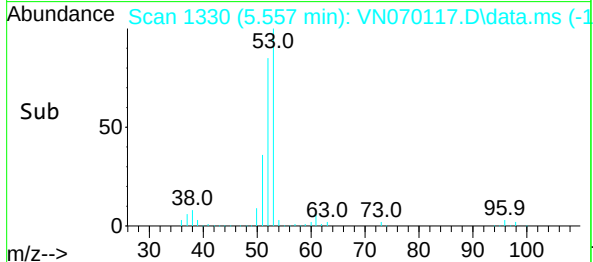
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



Tgt Ion: 53 Resp: 787104
Ion Ratio Lower Upper
53 100
52 83.7 66.2 99.2
51 37.0 29.6 44.4

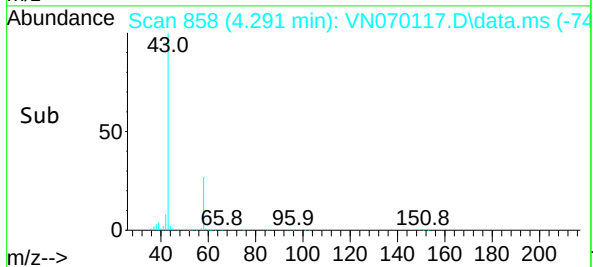
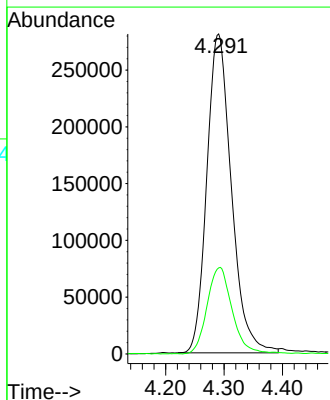
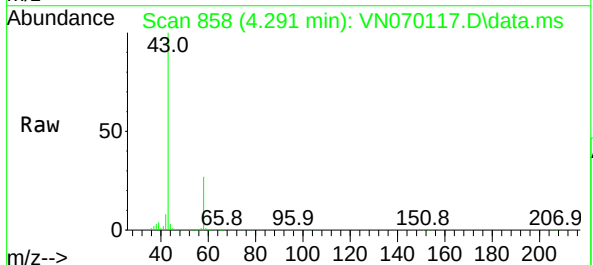
Manual Integrations
APPROVED

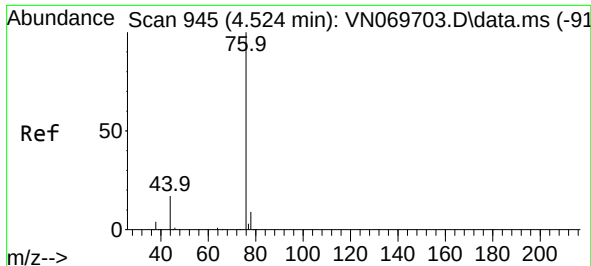
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#16
Acetone
Concen: 89.867 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

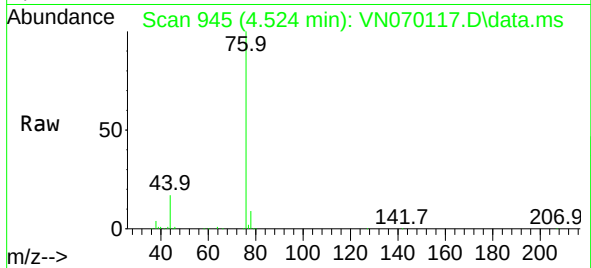
Tgt Ion: 43 Resp: 820328
Ion Ratio Lower Upper
43 100
58 26.9 23.1 34.7





#17
Carbon Disulfide
Concen: 16.045 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

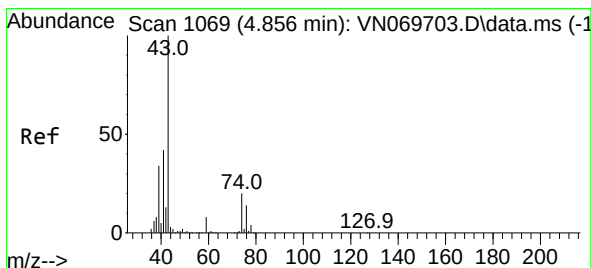
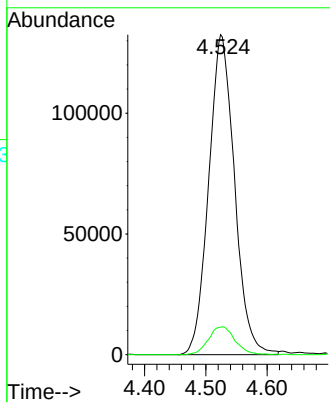
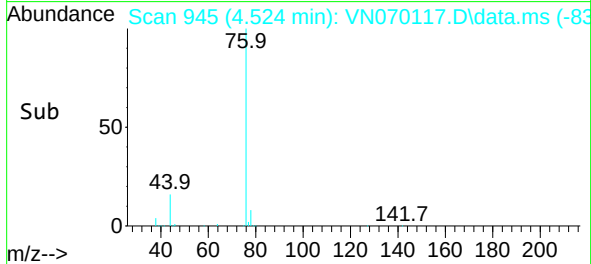
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



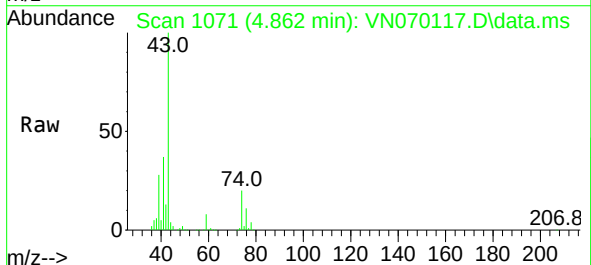
Tgt Ion: 76 Resp: 388069
Ion Ratio Lower Upper
76 100
78 8.6 7.5 11.3

Manual Integrations
APPROVED

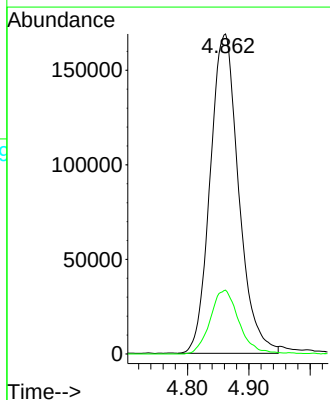
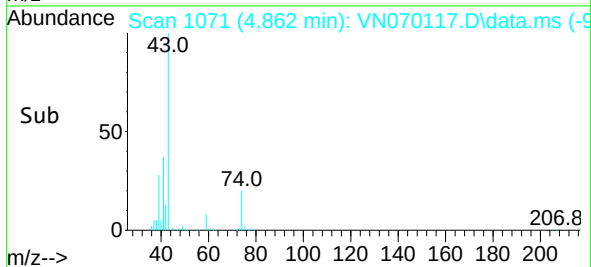
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

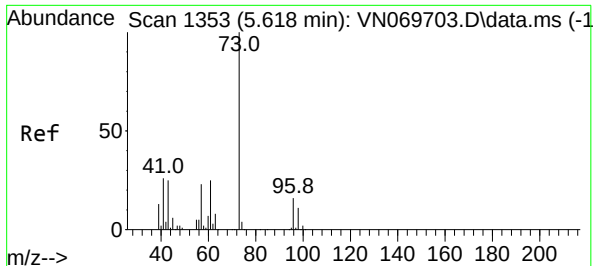


#18
Methyl Acetate
Concen: 19.791 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



Tgt Ion: 43 Resp: 545304
Ion Ratio Lower Upper
43 100
74 20.2 19.4 29.2





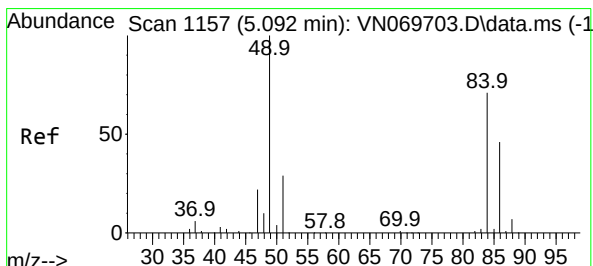
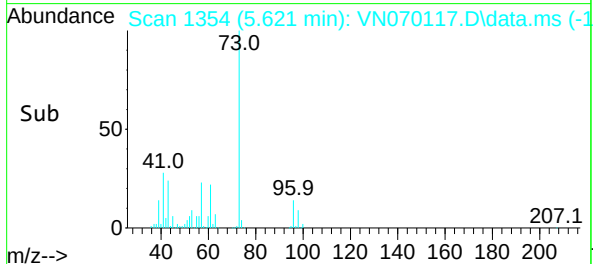
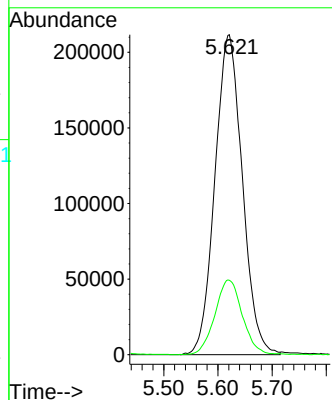
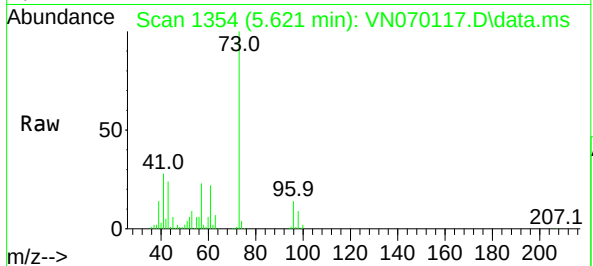
#19
Methyl tert-butyl Ether
Concen: 20.437 ug/l
RT: 5.621 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01

Tgt Ion: 73 Resp: 743904
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2

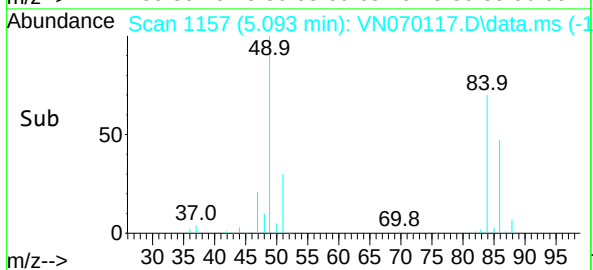
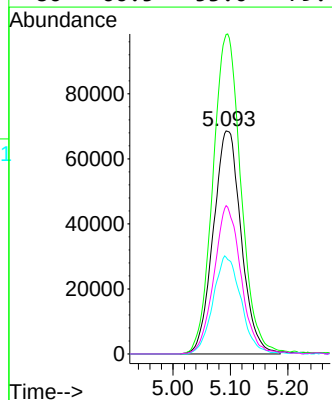
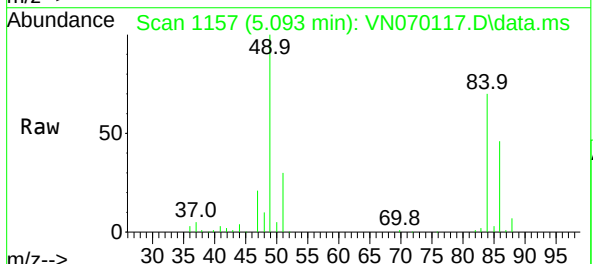
Manual Integrations
APPROVED

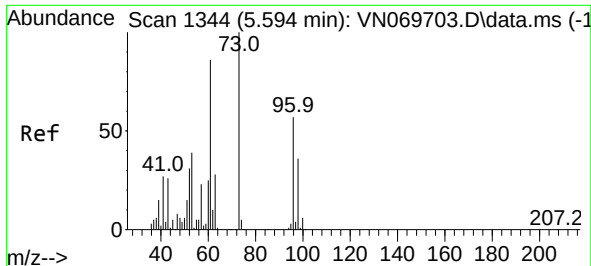
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#20
Methylene Chloride
Concen: 19.052 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

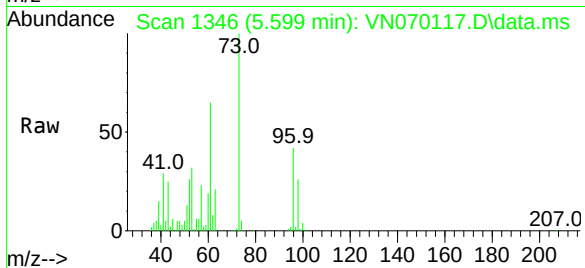
Tgt Ion: 84 Resp: 231197
Ion Ratio Lower Upper
84 100
49 143.3 93.5 140.3#
51 43.4 29.4 44.2
86 66.5 53.0 79.4





#21
trans-1,2-Dichloroethene
Concen: 18.944 ug/l
RT: 5.599 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

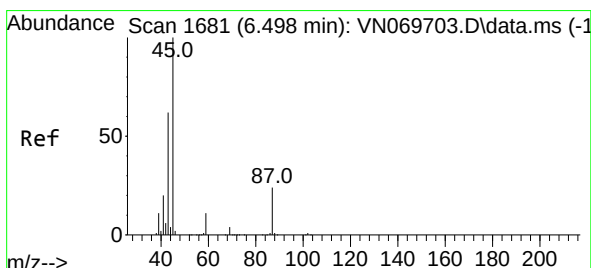
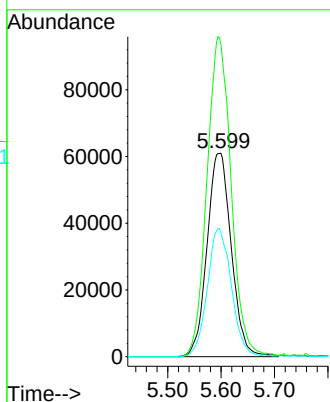
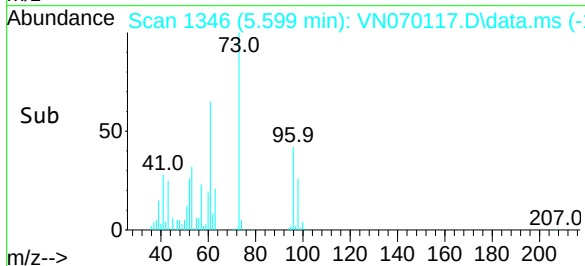
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



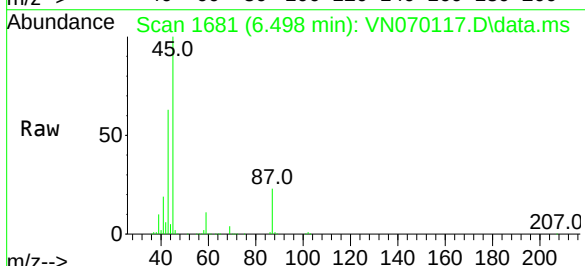
Tgt Ion: 96 Resp: 192630
Ion Ratio Lower Upper
96 100
61 153.2 105.8 158.6
98 61.1 52.0 78.0

Manual Integrations
APPROVED

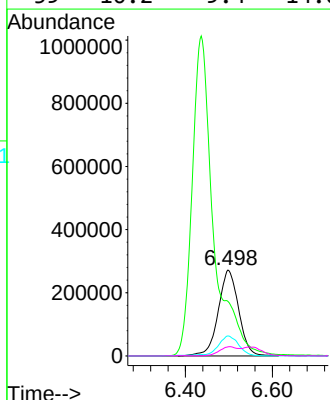
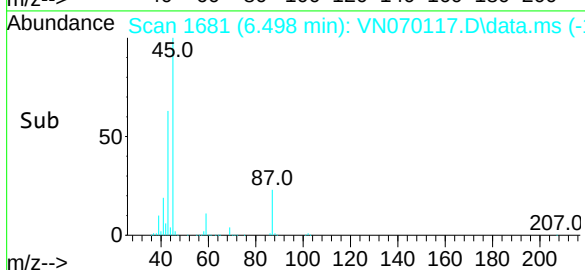
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

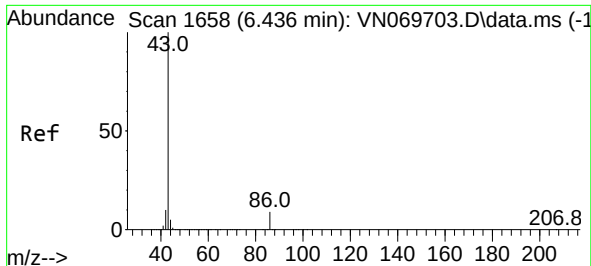


#22
Diisopropyl ether
Concen: 21.483 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



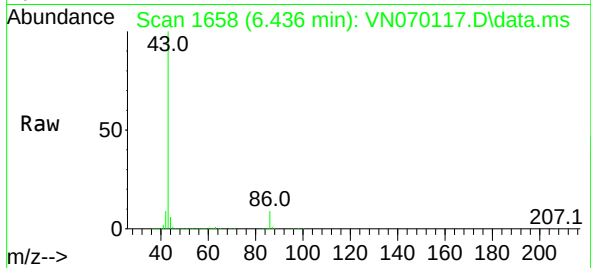
Tgt Ion: 45 Resp: 885792
Ion Ratio Lower Upper
45 100
43 61.8 51.7 77.5
87 23.1 23.2 34.8#
59 10.2 9.4 14.0





#23
 Vinyl Acetate
 Concen: 102.771 ug/l
 RT: 6.436 min Scan# 1658
 Delta R.T. 0.000 min
 Lab File: VN070117.D
 Acq: 15 Dec 2021 17:35

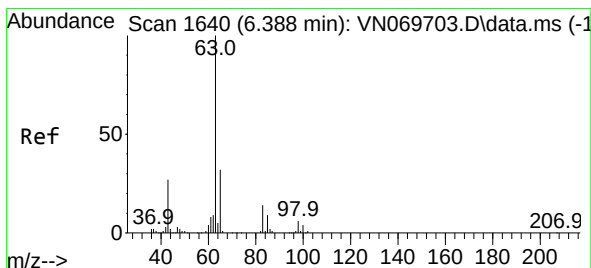
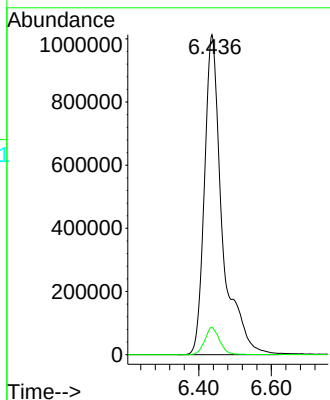
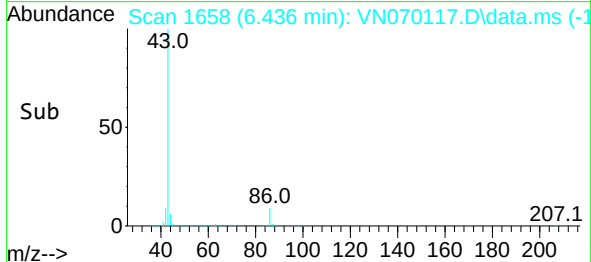
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215MBSD01



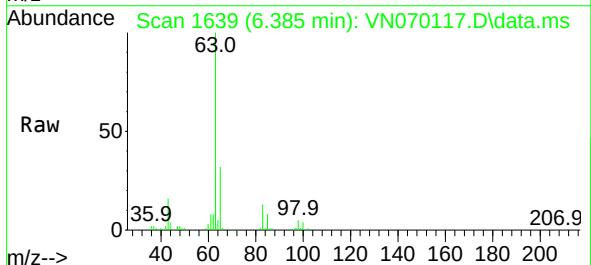
Tgt Ion: 43 Resp: 3447420
 Ion Ratio Lower Upper
 43 100
 86 8.5 8.5 12.7

Manual Integrations
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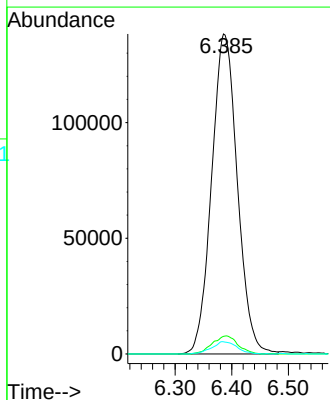
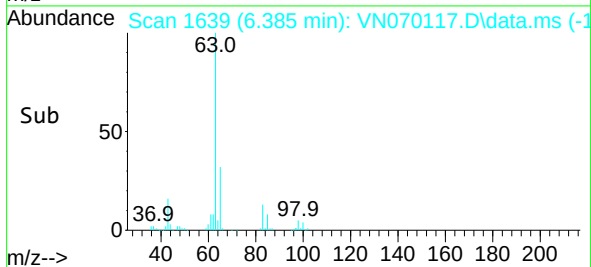
Reviewed By :John Carlone 12/16/2021
 Supervised By :Amit Patel 12/16/2021

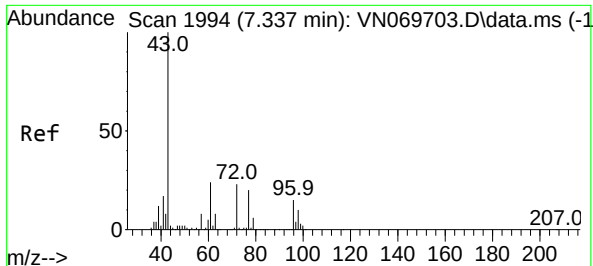


#24
 1,1-Dichloroethane
 Concen: 20.502 ug/l
 RT: 6.385 min Scan# 1639
 Delta R.T. -0.003 min
 Lab File: VN070117.D
 Acq: 15 Dec 2021 17:35



Tgt Ion: 63 Resp: 437896
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.3 9.9
 100 3.8 2.1 6.5





#25

2-Butanone

Concen: 96.434 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. 0.003 min

Lab File: VN070117.D

Acq: 15 Dec 2021 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215MBSD01

Tgt Ion: 43 Resp: 119603

Ion Ratio Lower Upper

43 100

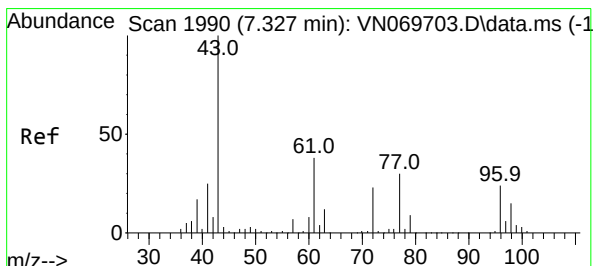
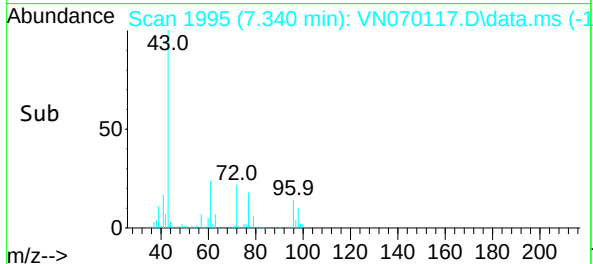
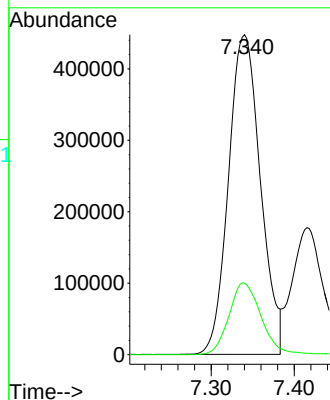
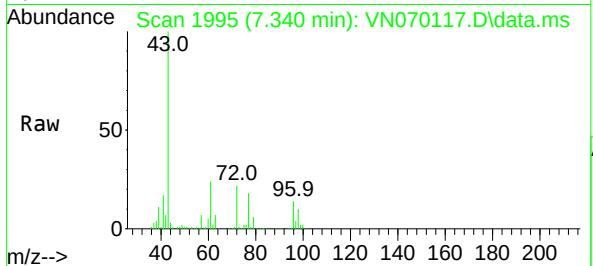
72 22.4 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#26

2,2-Dichloropropane

Concen: 18.772 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN070117.D

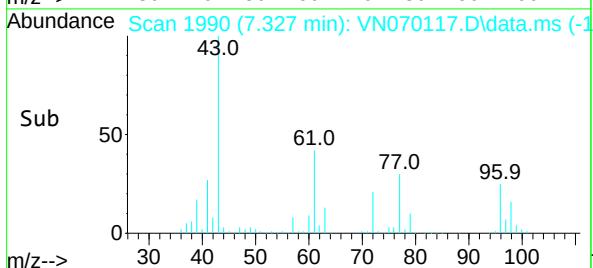
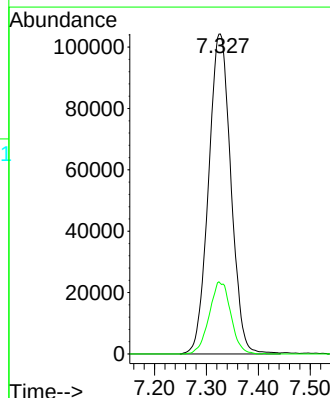
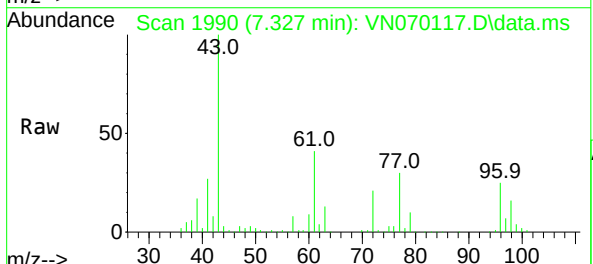
Acq: 15 Dec 2021 17:35

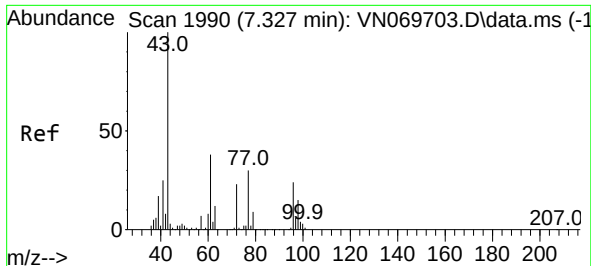
Tgt Ion: 77 Resp: 311737

Ion Ratio Lower Upper

77 100

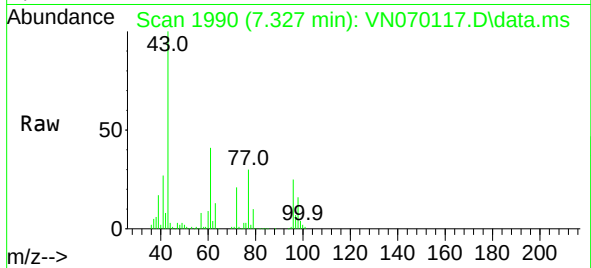
97 21.7 11.6 34.8





#27
 cis-1,2-Dichloroethene
 Concen: 19.596 ug/l
 RT: 7.327 min Scan# 1990
 Delta R.T. 0.000 min
 Lab File: VN070117.D
 Acq: 15 Dec 2021 17:35

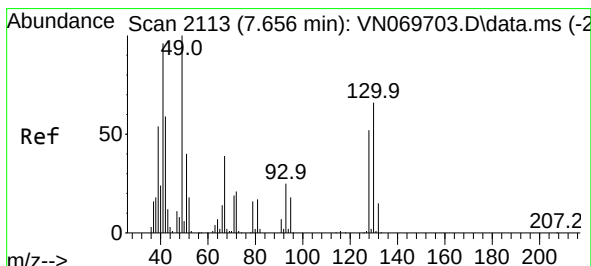
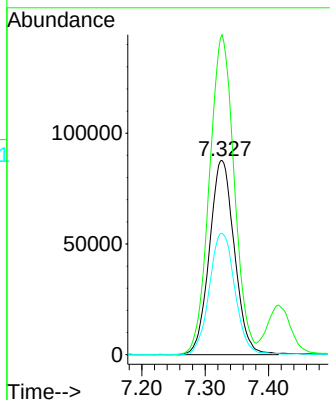
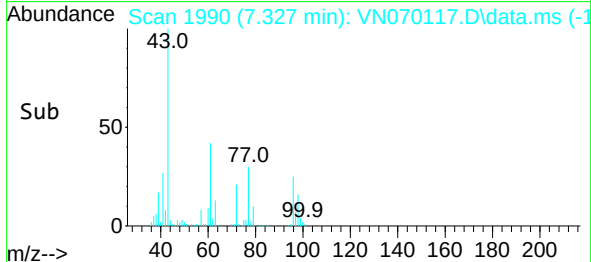
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215MBSD01



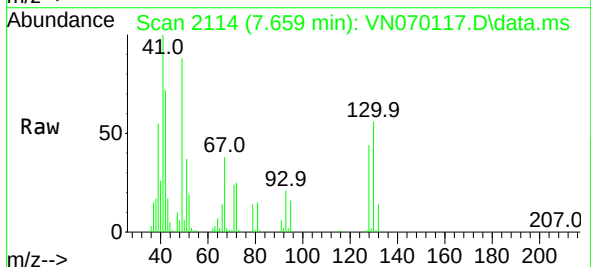
Tgt Ion: 96 Resp: 240739
 Ion Ratio Lower Upper
 96 100
 61 163.3 0.0 275.0
 98 63.8 0.0 129.6

Manual Integrations
 APPROVED

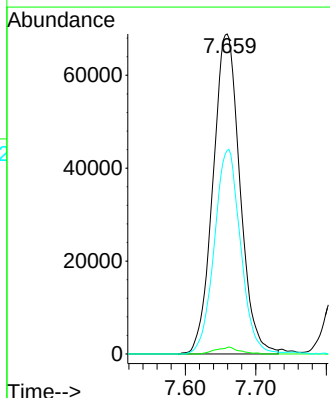
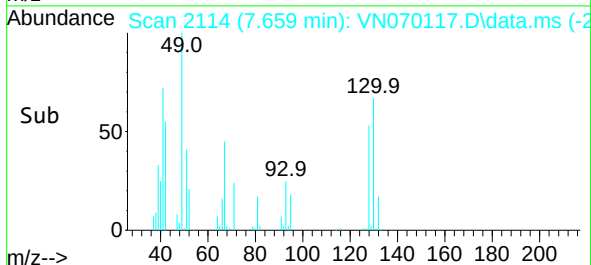
Reviewed By :John Carlone 12/16/2021
 Supervised By :Amit Patel 12/16/2021

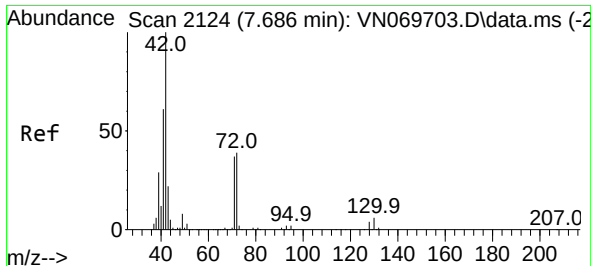


#28
 Bromochloromethane
 Concen: 16.468 ug/l
 RT: 7.659 min Scan# 2114
 Delta R.T. 0.003 min
 Lab File: VN070117.D
 Acq: 15 Dec 2021 17:35



Tgt Ion: 49 Resp: 182903
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 4.0
 130 62.1 67.8 101.8#





#29

Tetrahydrofuran

Concen: 102.422 ug/l

RT: 7.689 min Scan# 2124

Delta R.T. 0.003 min

Lab File: VN070117.D

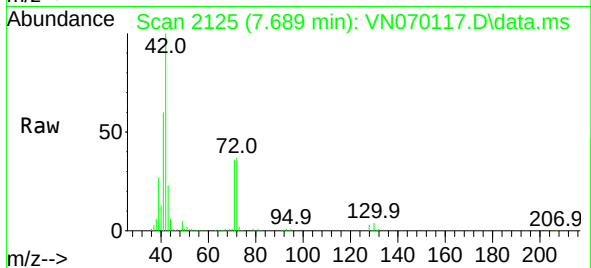
Acq: 15 Dec 2021 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215MBSD01



Tgt Ion: 42 Resp: 771360

Ion Ratio Lower Upper

42 100

72 36.3 36.3 54.5

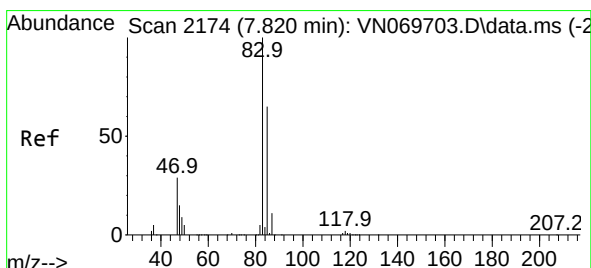
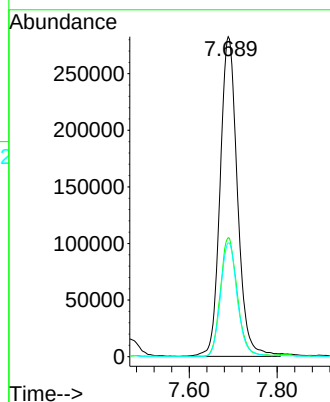
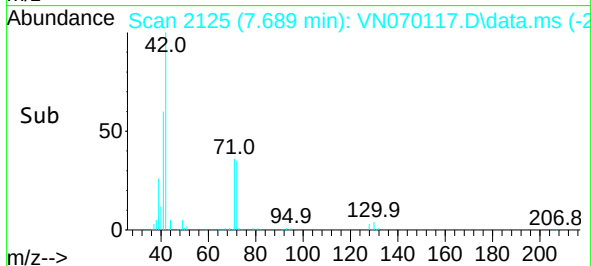
71 34.8 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#30

Chloroform

Concen: 20.546 ug/l

RT: 7.817 min Scan# 2173

Delta R.T. -0.003 min

Lab File: VN070117.D

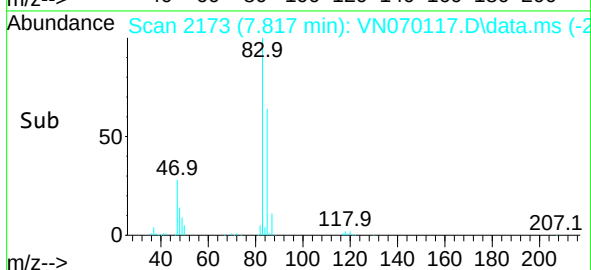
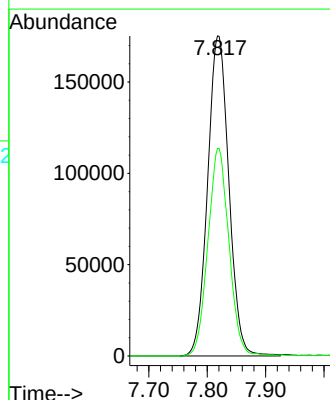
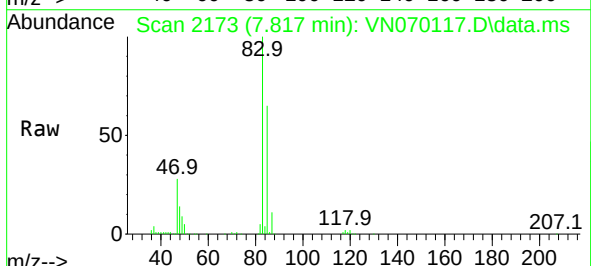
Acq: 15 Dec 2021 17:35

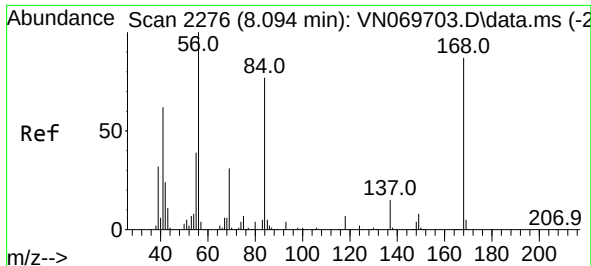
Tgt Ion: 83 Resp: 443193

Ion Ratio Lower Upper

83 100

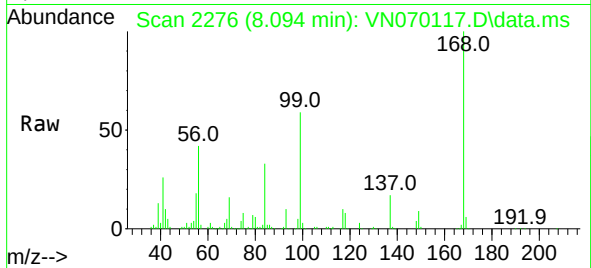
85 64.8 51.9 77.9





#31
Cyclohexane
Concen: 19.411 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

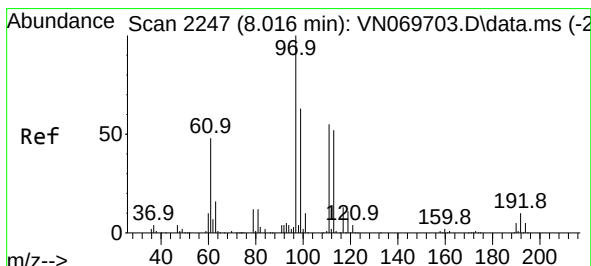
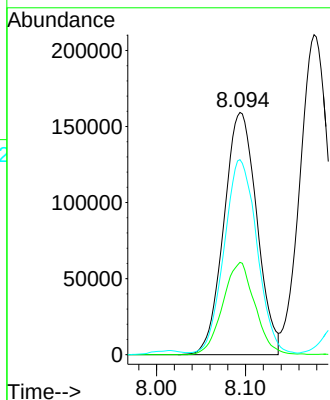
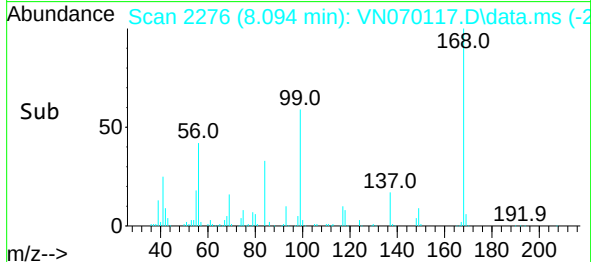
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



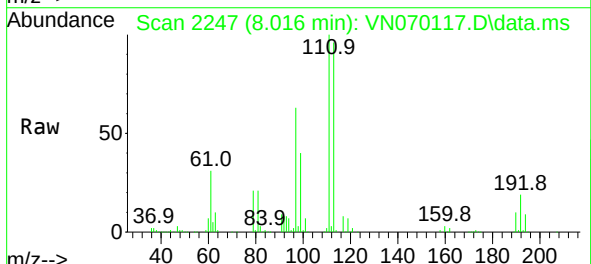
Tgt Ion: 56 Resp: 40992
Ion Ratio Lower Upper
56 100
69 38.1 27.1 40.7
84 79.2 73.4 110.0

Manual Integrations
APPROVED

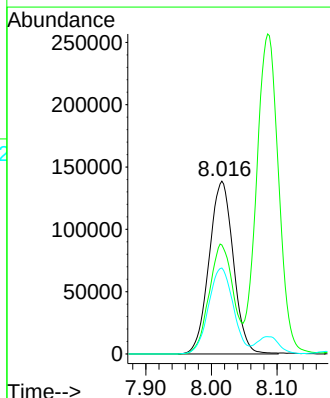
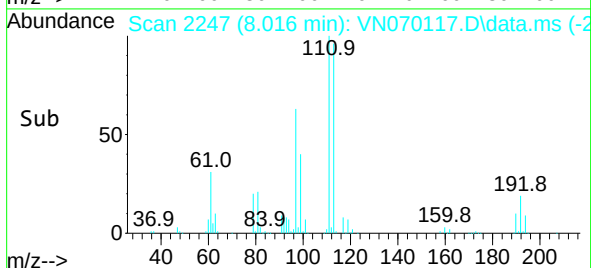
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

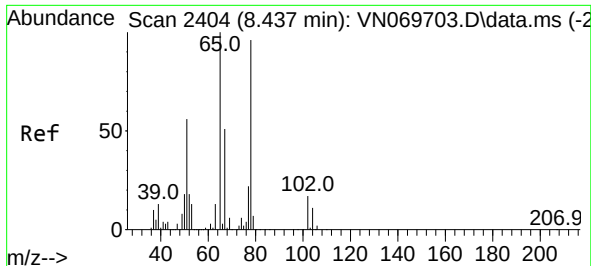


#32
1,1,1-Trichloroethane
Concen: 19.386 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



Tgt Ion: 97 Resp: 356198
Ion Ratio Lower Upper
97 100
99 63.0 50.1 75.1
61 50.8 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 55.038 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070117.D

Acq: 15 Dec 2021 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215MBSD01

Tgt Ion: 65 Resp: 83518

Ion Ratio Lower Upper

65 100

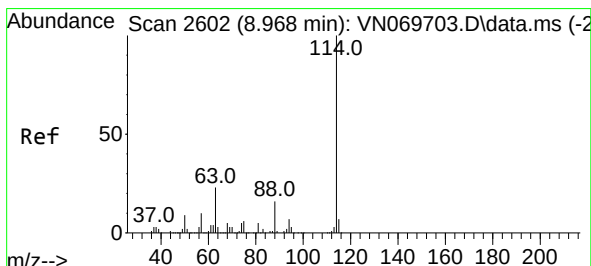
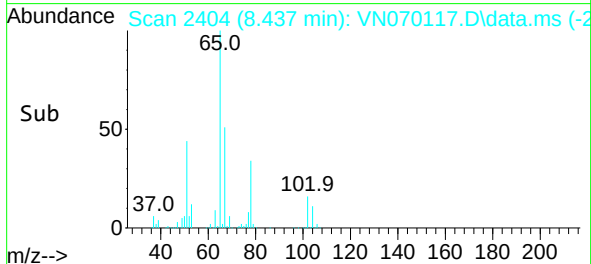
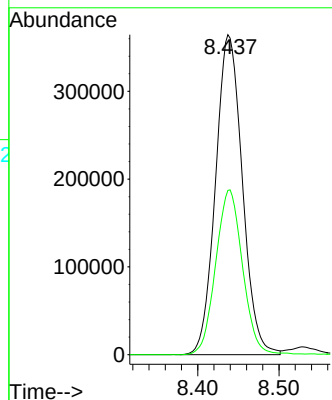
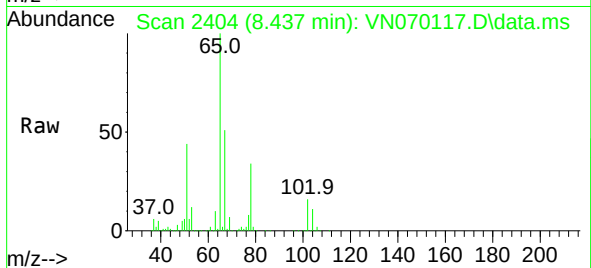
67 51.4 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070117.D

Acq: 15 Dec 2021 17:35

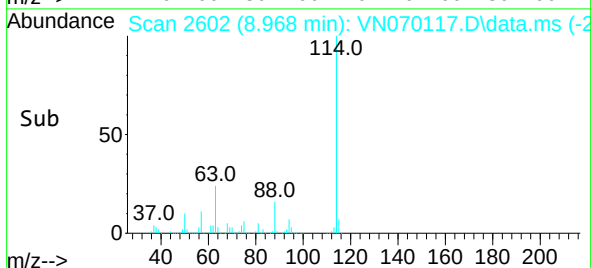
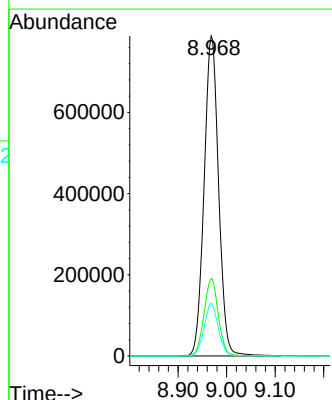
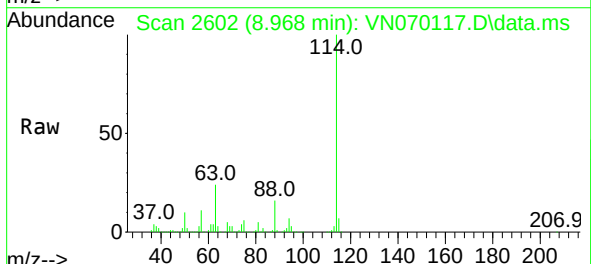
Tgt Ion:114 Resp: 1633485

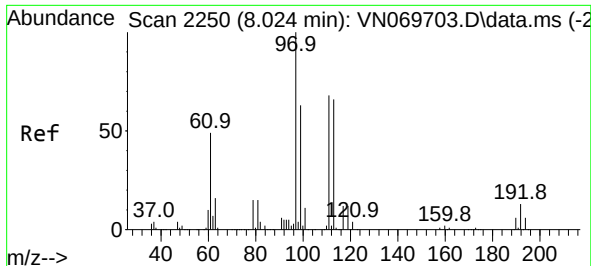
Ion Ratio Lower Upper

114 100

63 24.2 0.0 37.8

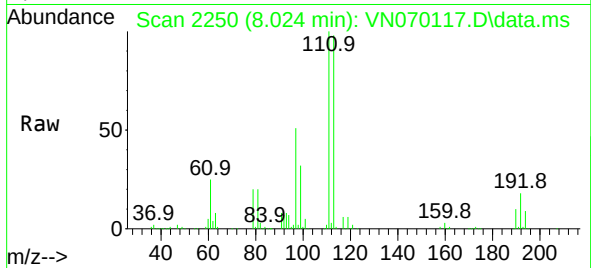
88 16.4 0.0 27.4





#35
Dibromofluoromethane
Concen: 55.897 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

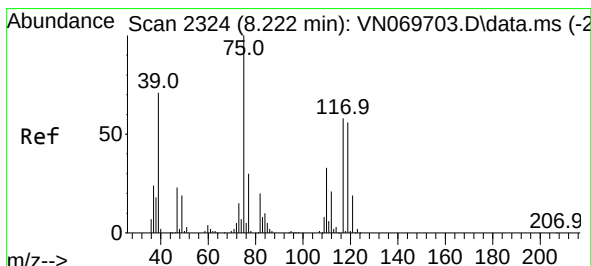
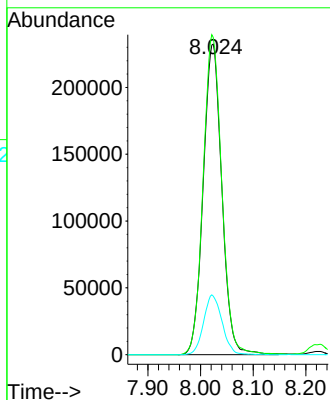
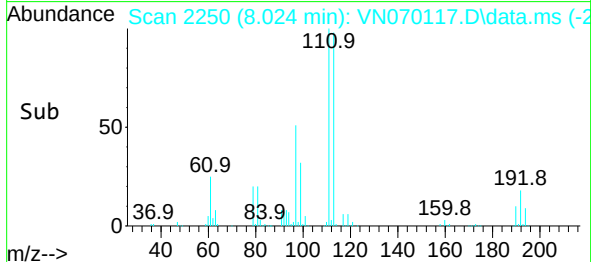
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBS01



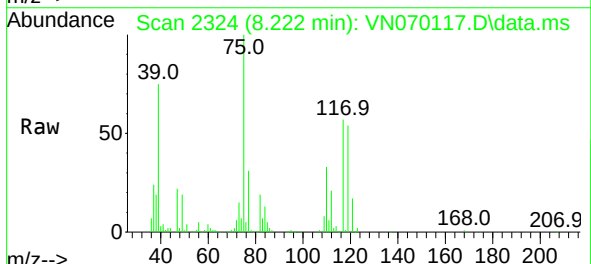
Tgt Ion: 113 Resp: 57193
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 19.0 16.9 25.3

Manual Integrations
APPROVED

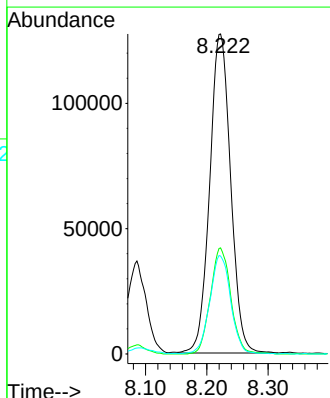
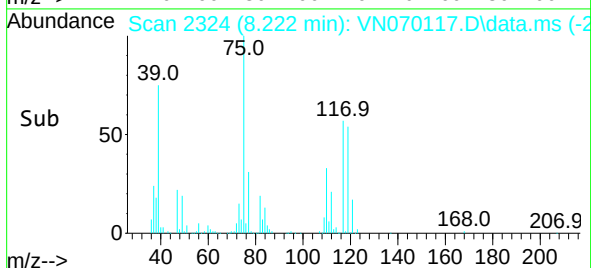
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

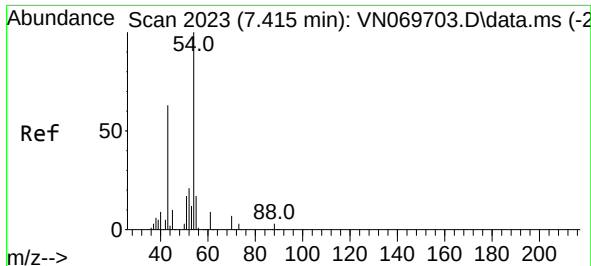


#36
1,1-Dichloropropene
Concen: 19.422 ug/l
RT: 8.222 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



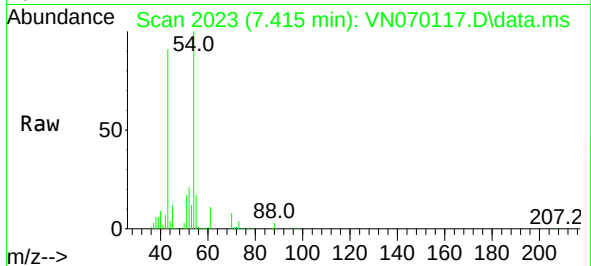
Tgt Ion: 75 Resp: 302020
Ion Ratio Lower Upper
75 100
110 32.6 18.4 55.2
77 30.4 24.4 36.6





#37
Ethyl Acetate
Concen: 19.815 ug/l
RT: 7.415 min Scan# 2023
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

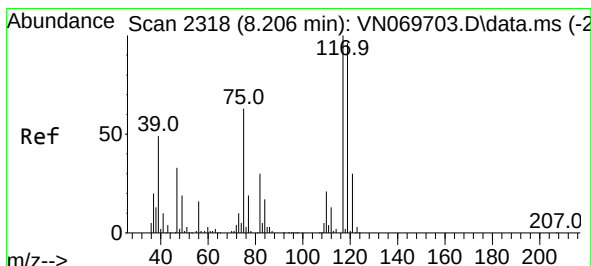
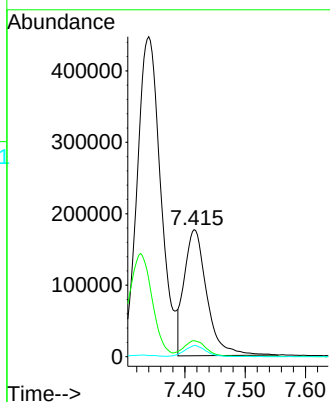
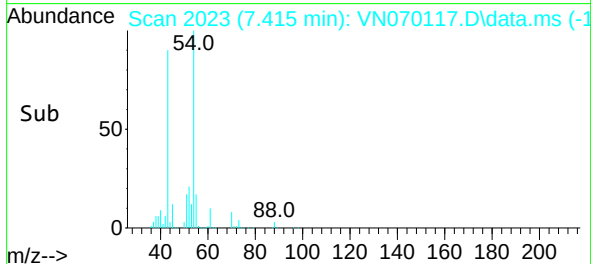
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



Tgt Ion: 43 Resp: 45862
Ion Ratio Lower Upper
43 100
61 12.3 11.5 17.3
70 8.0 7.9 11.9

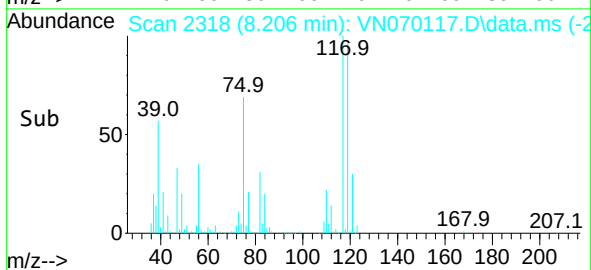
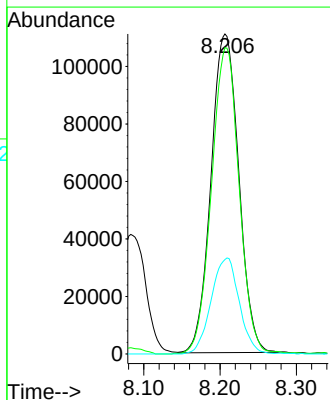
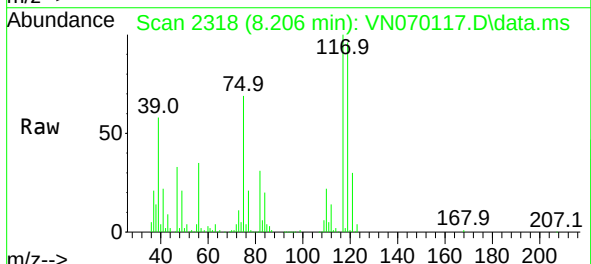
Manual Integrations
APPROVED

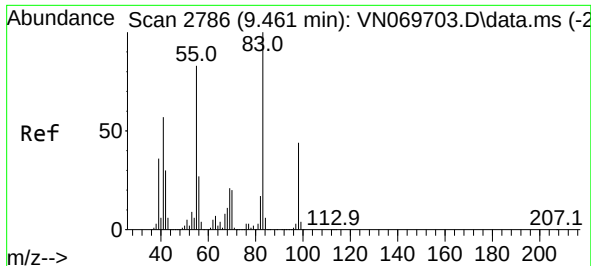
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#38
Carbon Tetrachloride
Concen: 18.398 ug/l
RT: 8.206 min Scan# 2318
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

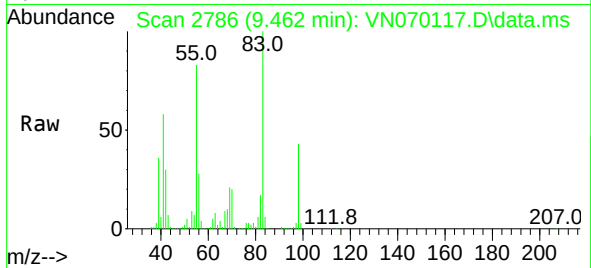
Tgt Ion:117 Resp: 280547
Ion Ratio Lower Upper
117 100
119 96.0 76.1 114.1
121 29.7 24.2 36.2





#39
Methylcyclohexane
Concen: 18.892 ug/l
RT: 9.462 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

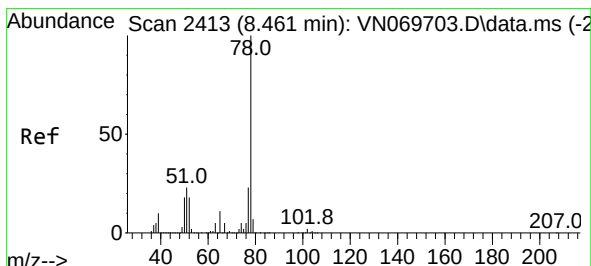
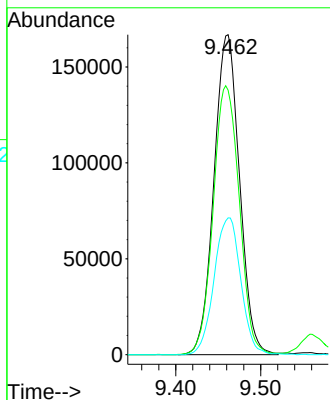
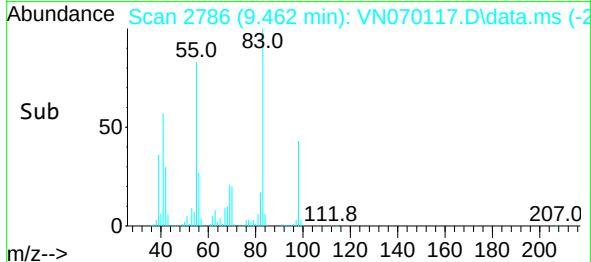
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



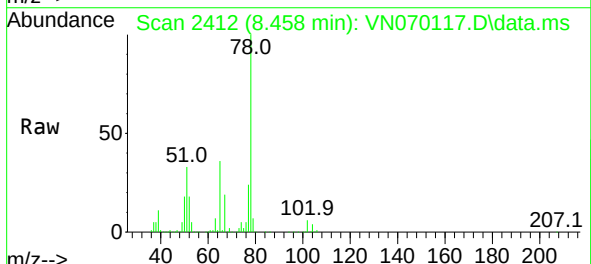
Tgt Ion: 83 Resp: 349434
Ion Ratio Lower Upper
83 100
55 82.6 58.1 87.1
98 42.7 38.4 57.6

Manual Integrations
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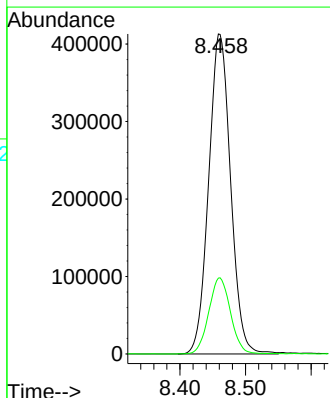
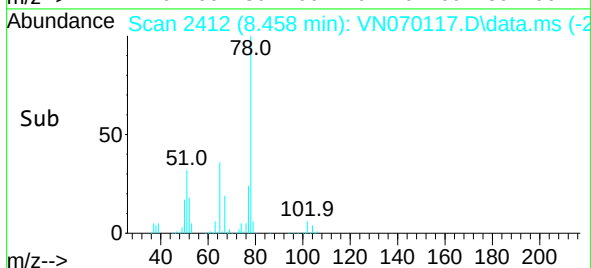
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

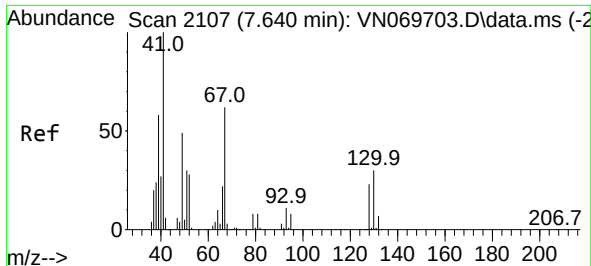


#40
Benzene
Concen: 20.157 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



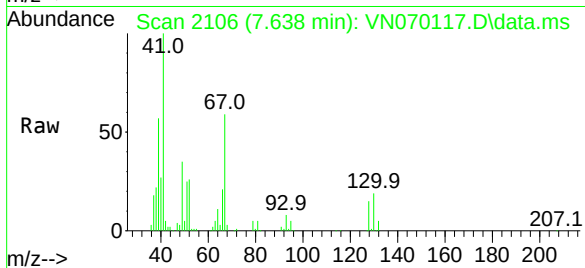
Tgt Ion: 78 Resp: 958098
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8





#41
Methacrylonitrile
Concen: 20.886 ug/l
RT: 7.638 min Scan# 2106
Delta R.T. -0.002 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

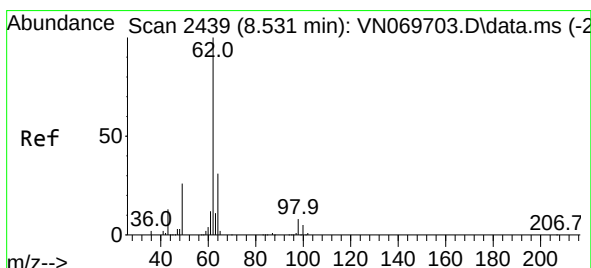
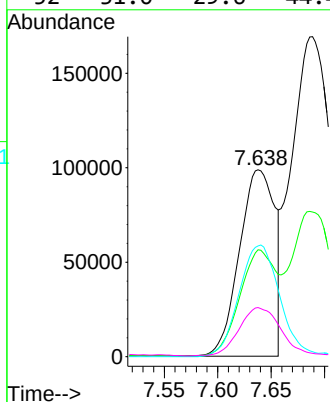
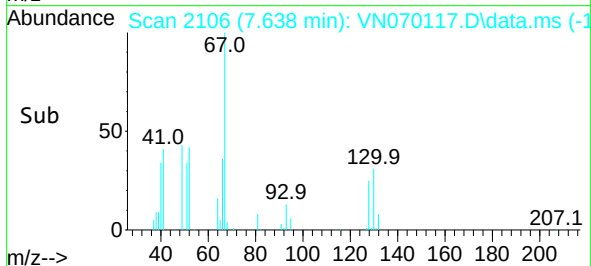
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



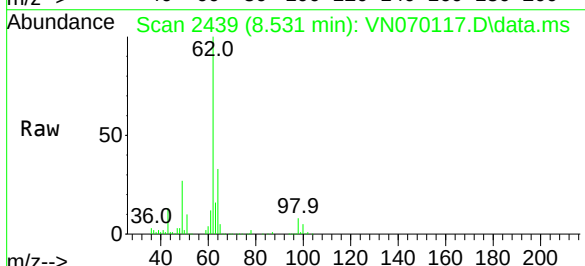
Tgt Ion: 41 Resp: 226918
Ion Ratio Lower Upper
41 100
39 59.7 48.1 72.1
67 69.7 68.3 102.5
52 31.0 29.6 44.4

Manual Integrations
APPROVED

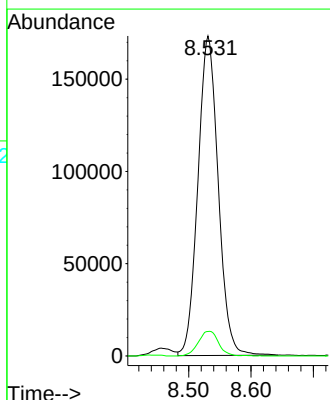
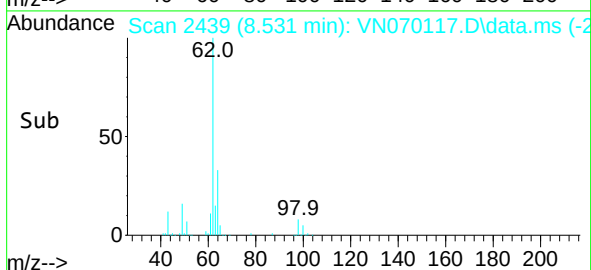
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

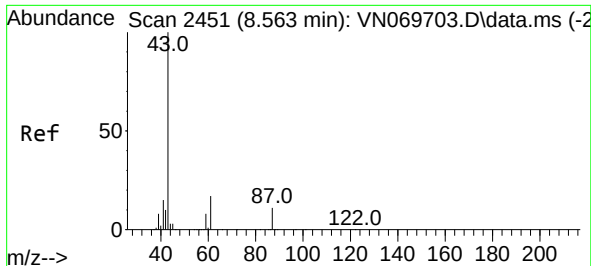


#42
1,2-Dichloroethane
Concen: 20.467 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



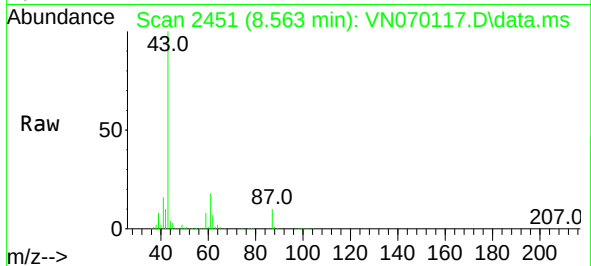
Tgt Ion: 62 Resp: 392699
Ion Ratio Lower Upper
62 100
98 7.7 0.0 17.6





#43
Isopropyl Acetate
Concen: 20.034 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

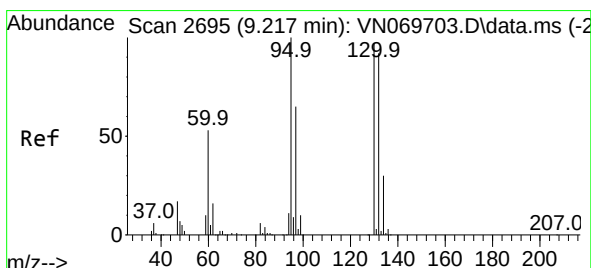
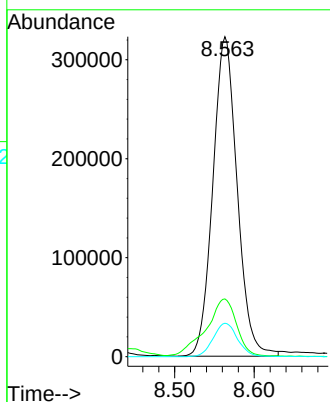
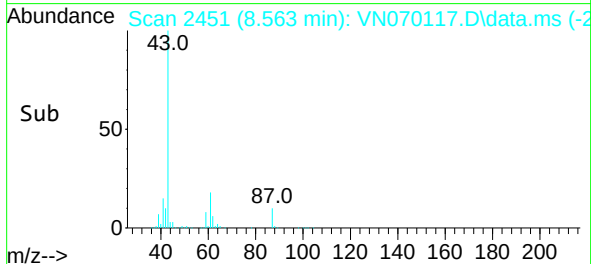
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



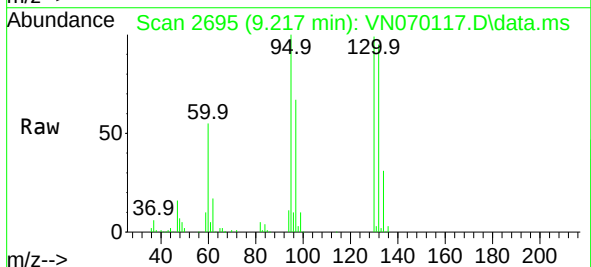
Tgt Ion: 43 Resp: 686180
Ion Ratio Lower Upper
43 100
61 22.5 20.4 30.6
87 10.6 11.2 16.8

Manual Integrations
APPROVED

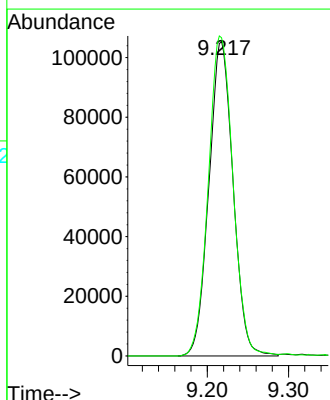
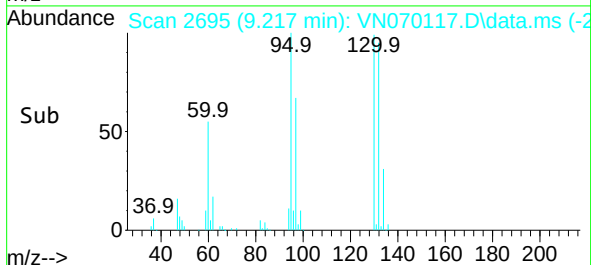
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

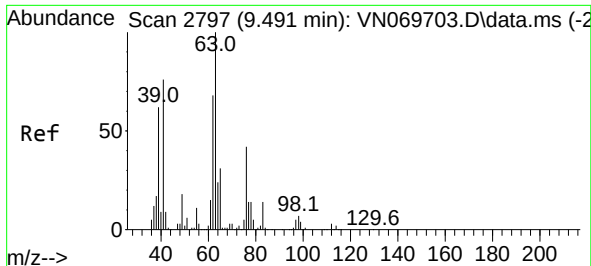


#44
Trichloroethene
Concen: 19.153 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



Tgt Ion:130 Resp: 217290
Ion Ratio Lower Upper
130 100
95 101.2 0.0 191.2





#45

1,2-Dichloropropane

Concen: 20.594 ug/l

RT: 9.491 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN070117.D

Acq: 15 Dec 2021 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215MBSD01

Tgt Ion: 63 Resp: 26285

Ion Ratio Lower Upper

63 100

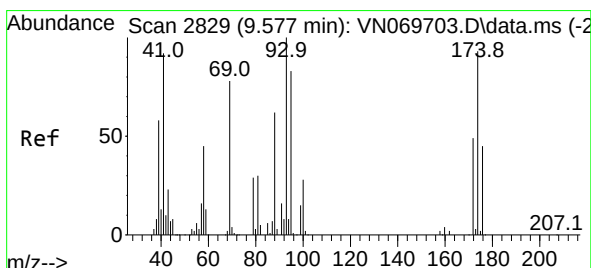
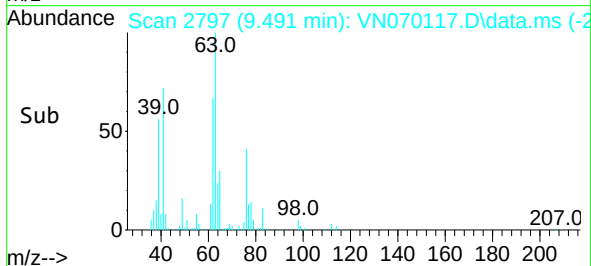
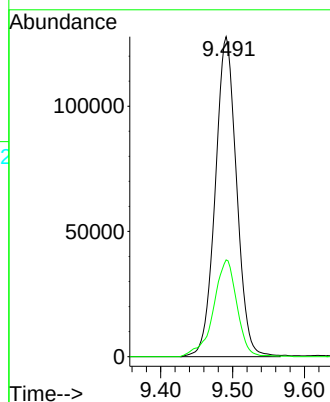
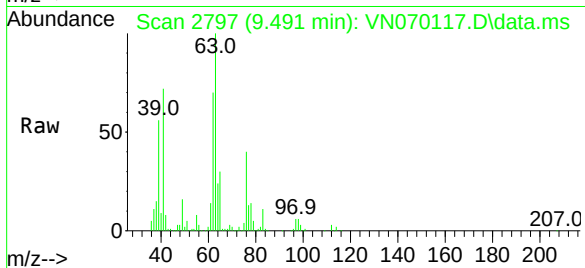
65 30.3 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#46

Dibromomethane

Concen: 19.525 ug/l

RT: 9.580 min Scan# 2830

Delta R.T. 0.003 min

Lab File: VN070117.D

Acq: 15 Dec 2021 17:35

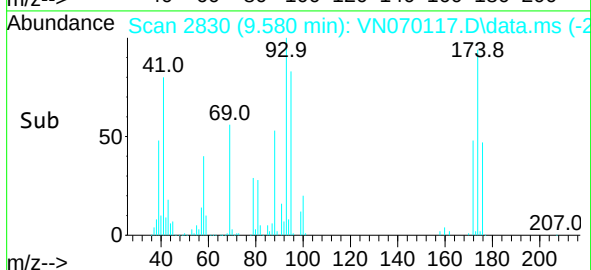
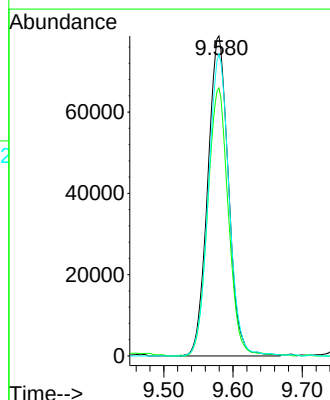
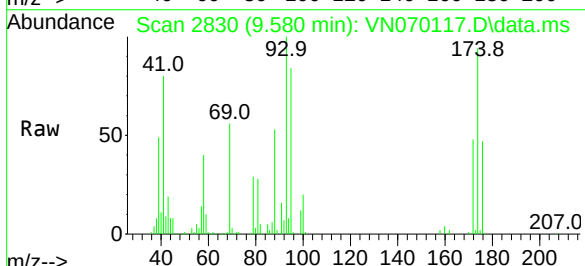
Tgt Ion: 93 Resp: 163439

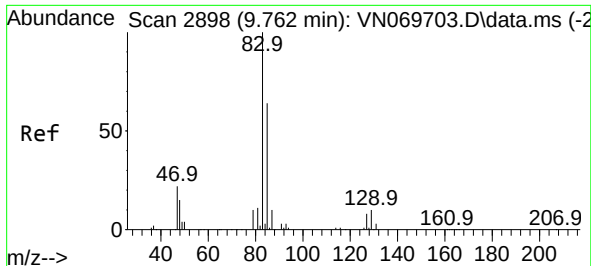
Ion Ratio Lower Upper

93 100

95 83.9 65.9 98.9

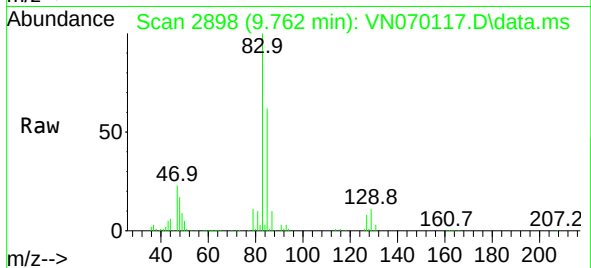
174 94.0 84.6 127.0





#47
Bromodichloromethane
Concen: 19.971 ug/l
RT: 9.762 min Scan# 2898
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

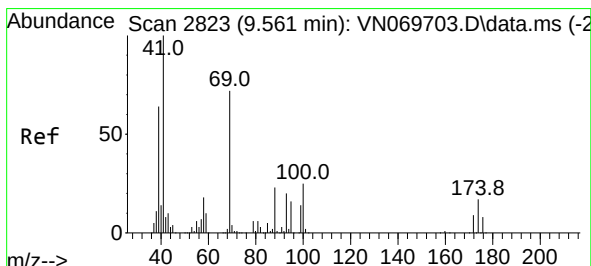
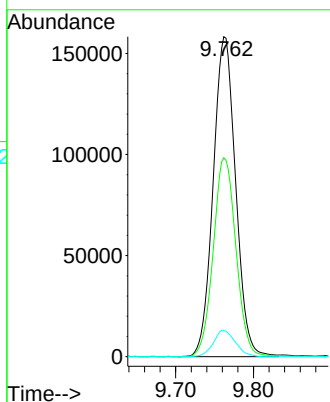
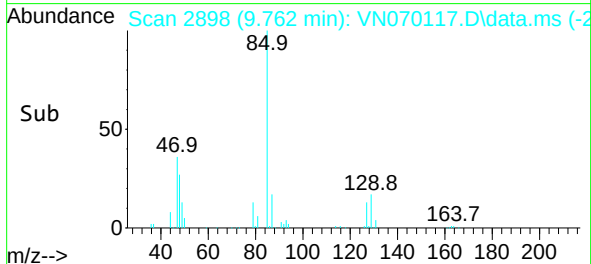
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



Tgt Ion: 83 Resp: 31652
Ion Ratio Lower Upper
83 100
85 62.2 50.9 76.3
127 8.3 7.1 10.7

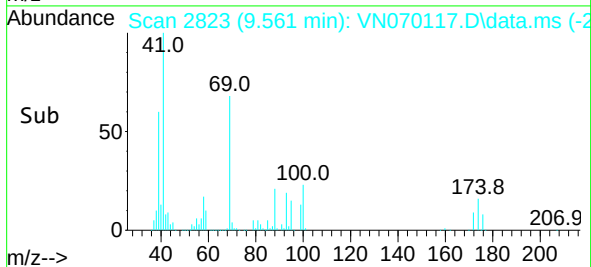
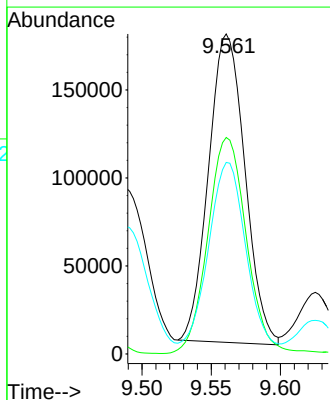
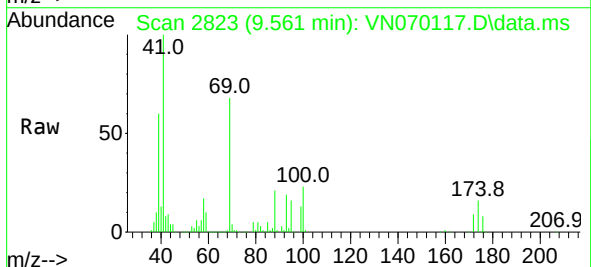
Manual Integrations
APPROVED

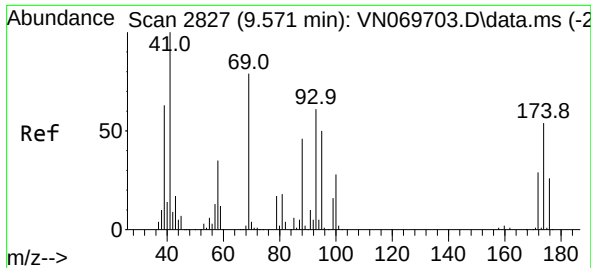
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#48
Methyl methacrylate
Concen: 20.077 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. -0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

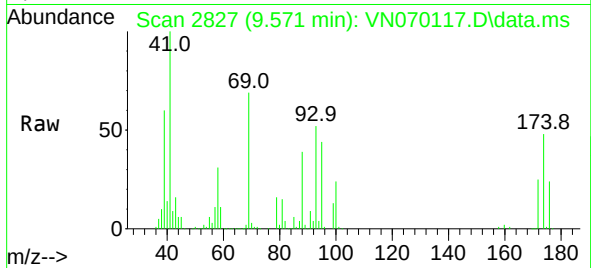
Tgt Ion: 41 Resp: 320910
Ion Ratio Lower Upper
41 100
69 74.5 72.4 108.6
39 64.4 58.4 87.6





#49
1,4-Dioxane
Concen: 387.259 ug/l
RT: 9.571 min Scan# 2827
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

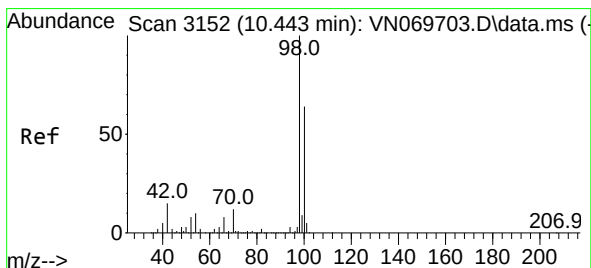
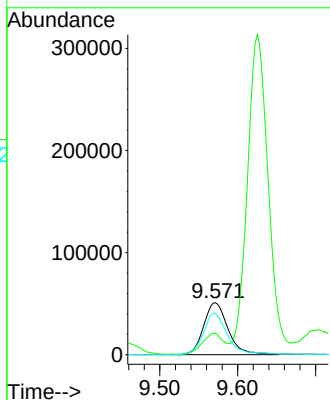
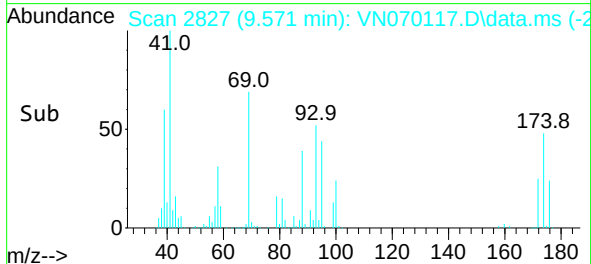
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



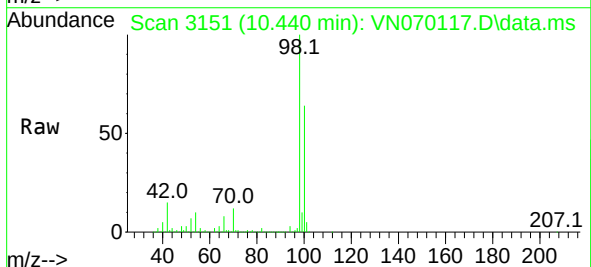
Tgt Ion: 88 Resp: 111065
Ion Ratio Lower Upper
88 100
43 34.7 23.4 35.2
58 77.2 50.6 75.8

Manual Integrations
APPROVED

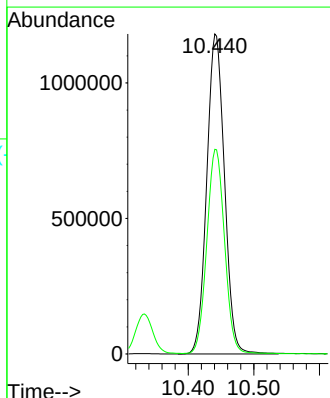
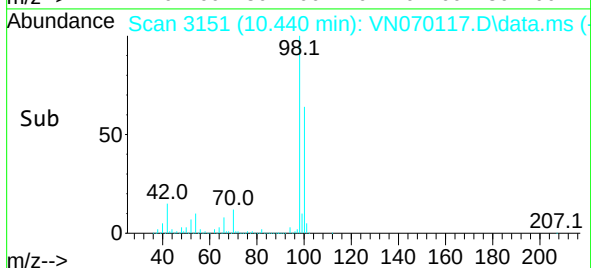
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

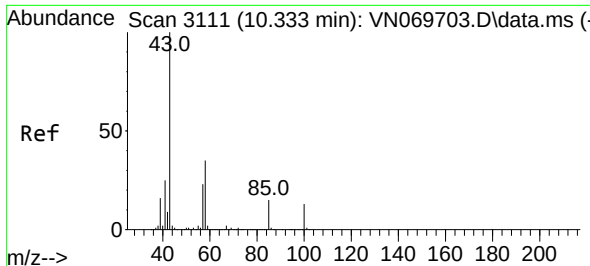


#50
Toluene-d8
Concen: 53.865 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



Tgt Ion: 98 Resp: 2213003
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6





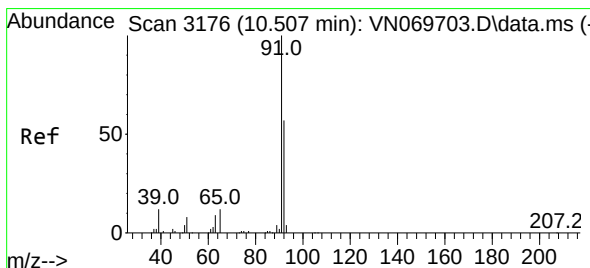
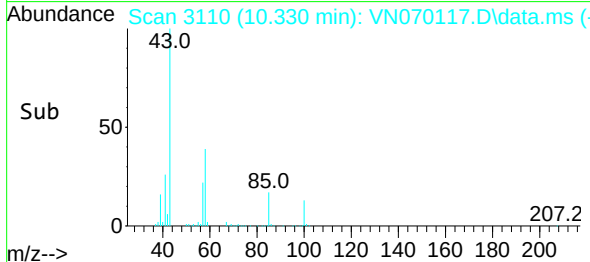
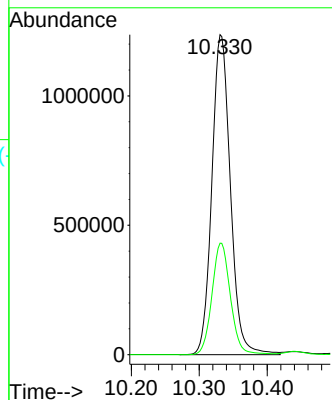
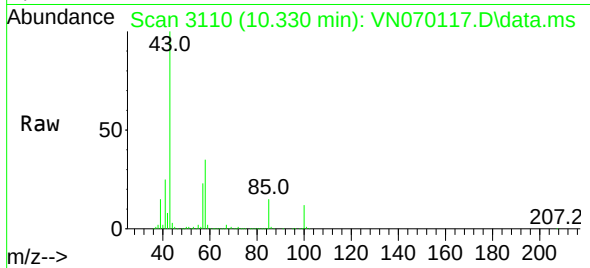
#51
4-Methyl-2-Pentanone
Concen: 105.361 ug/l
RT: 10.330 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01

Tgt Ion: 43 Resp: 2341024
Ion Ratio Lower Upper
43 100
58 34.8 30.4 45.6

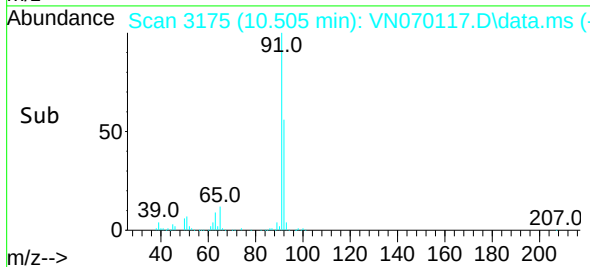
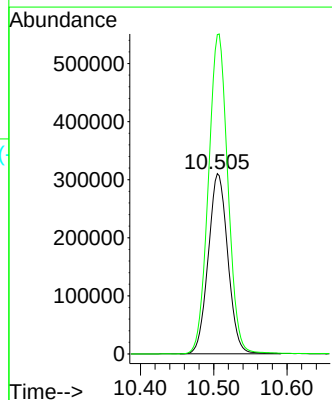
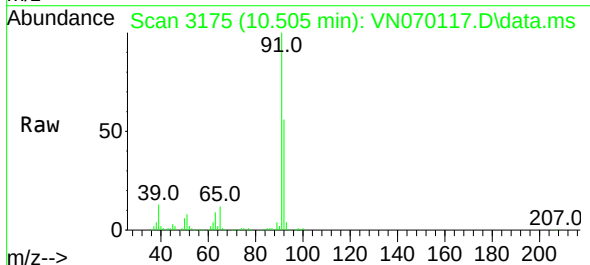
Manual Integrations
APPROVED

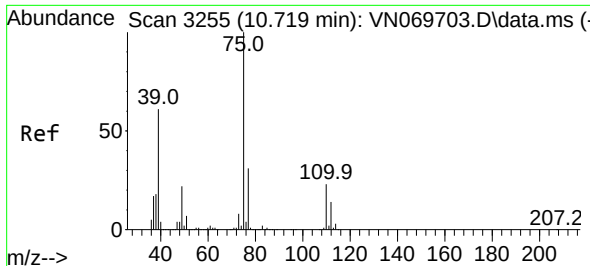
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#52
Toluene
Concen: 19.827 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

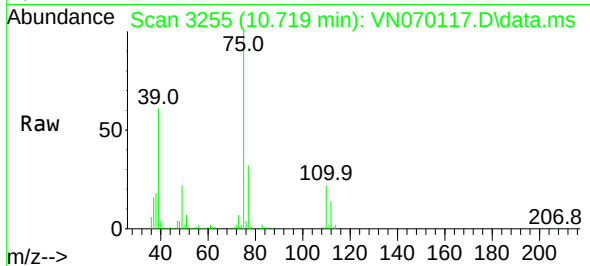
Tgt Ion: 92 Resp: 575341
Ion Ratio Lower Upper
92 100
91 177.3 142.0 213.0





#53
t-1,3-Dichloropropene
Concen: 18.790 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

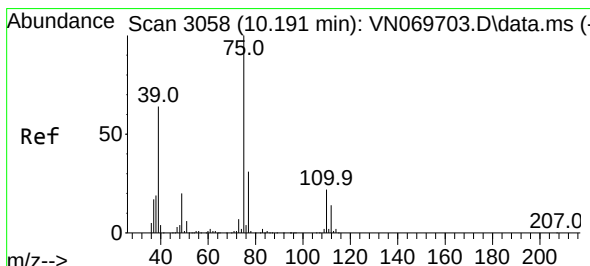
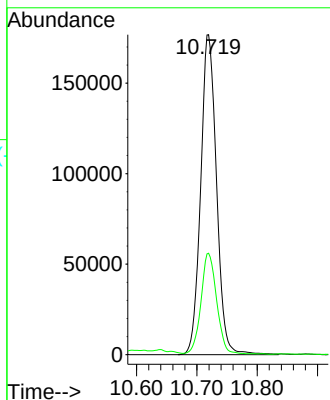
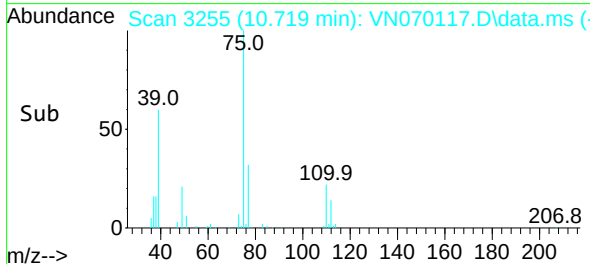
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



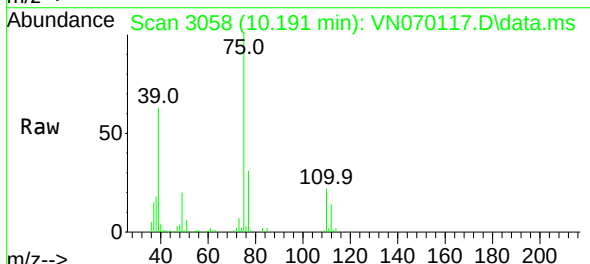
Tgt Ion: 75 Resp: 32302
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4

Manual Integrations
APPROVED

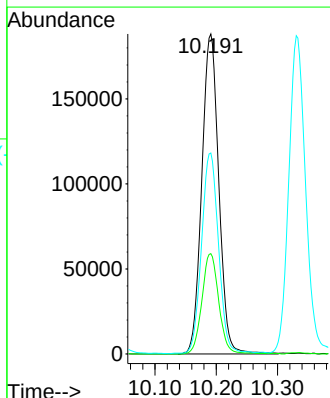
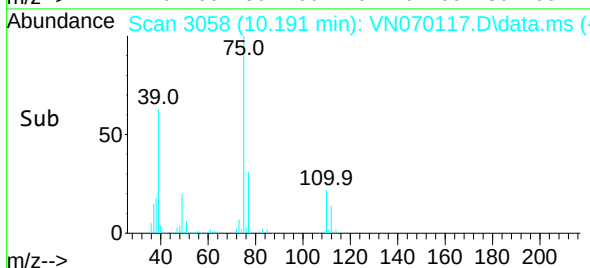
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

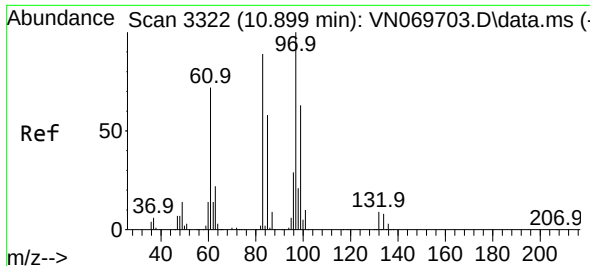


#54
cis-1,3-Dichloropropene
Concen: 19.397 ug/l
RT: 10.191 min Scan# 3058
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



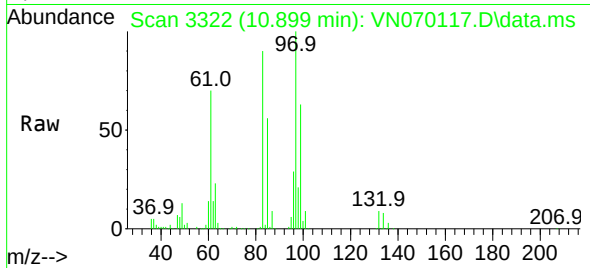
Tgt Ion: 75 Resp: 362616
Ion Ratio Lower Upper
75 100
77 31.3 26.4 39.6
39 62.6 42.5 63.7





#55
1,1,2-Trichloroethane
Concen: 20.282 ug/l
RT: 10.899 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

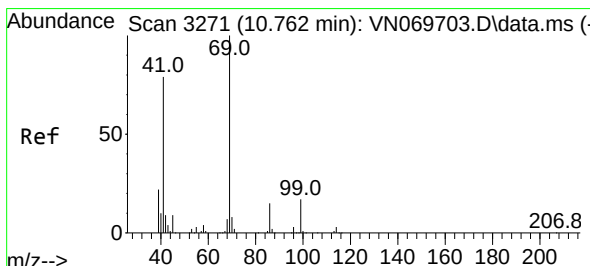
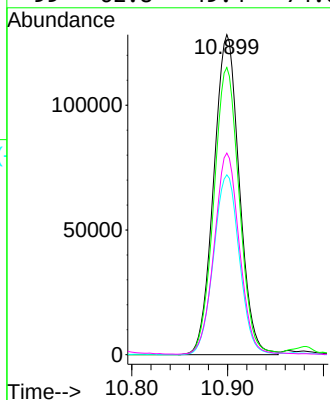
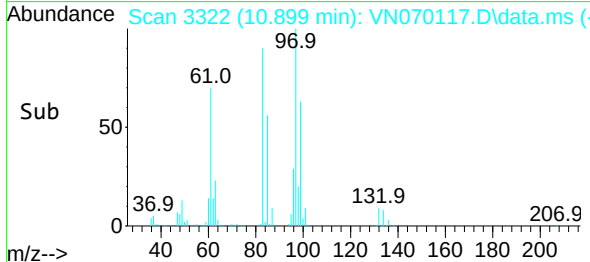
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



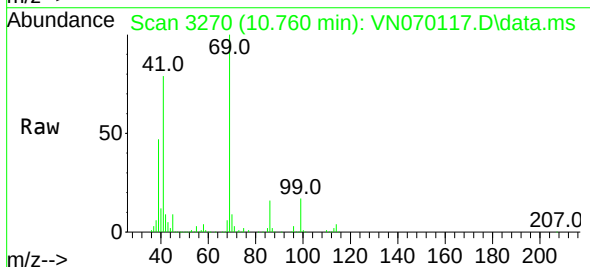
Tgt Ion: 97 Resp: 23746
Ion Ratio Lower Upper
97 100
83 89.8 67.8 101.6
85 56.2 45.4 68.2
99 62.8 49.4 74.0

Manual Integrations
APPROVED

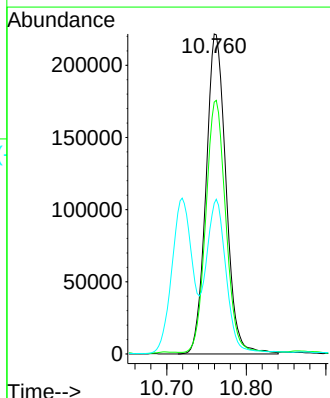
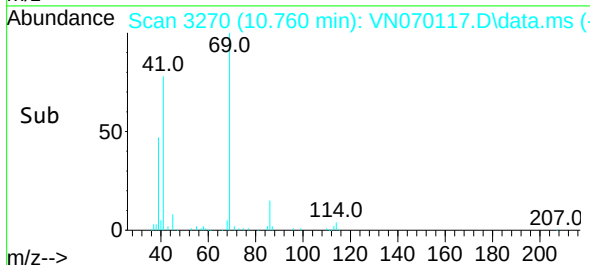
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

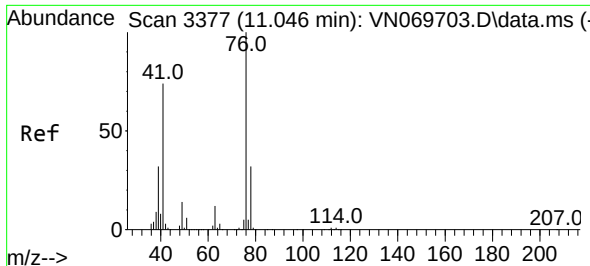


#56
Ethyl methacrylate
Concen: 19.009 ug/l
RT: 10.760 min Scan# 3270
Delta R.T. -0.002 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



Tgt Ion: 69 Resp: 387241
Ion Ratio Lower Upper
69 100
41 78.3 51.4 77.0#
39 46.6 34.6 52.0





#57

1,3-Dichloropropane

Concen: 20.558 ug/l

RT: 11.044 min Scan# 31

Delta R.T. -0.002 min

Lab File: VN070117.D

Acq: 15 Dec 2021 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215MBSD01

Tgt Ion: 76 Resp: 423829

Ion Ratio Lower Upper

76 100

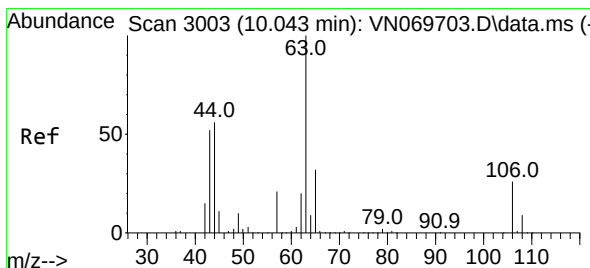
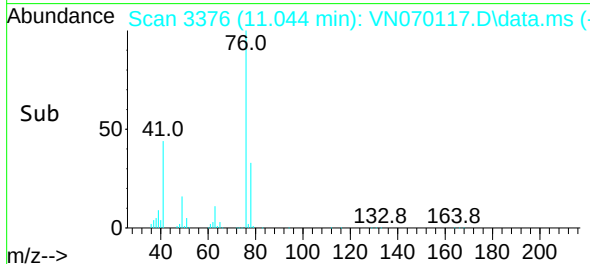
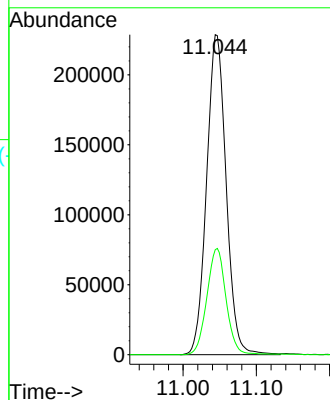
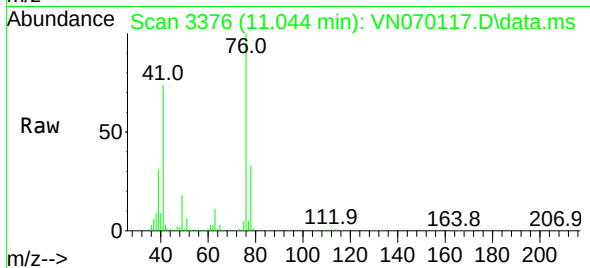
78 32.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#58

2-Chloroethyl Vinyl ether

Concen: 80.546 ug/l

RT: 10.041 min Scan# 3002

Delta R.T. -0.002 min

Lab File: VN070117.D

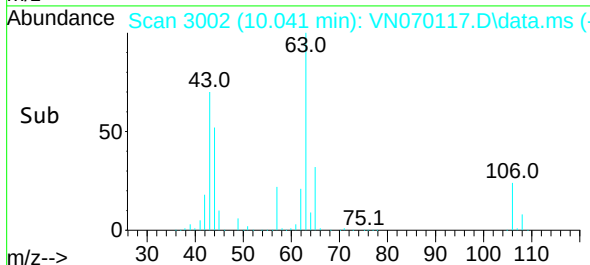
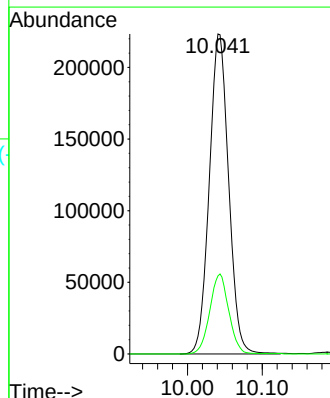
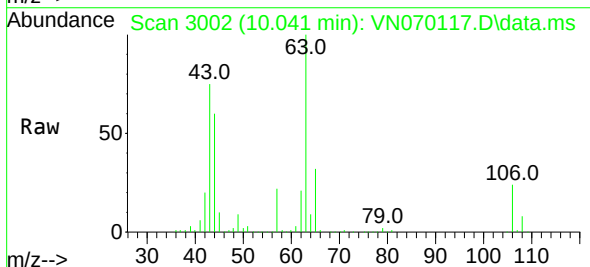
Acq: 15 Dec 2021 17:35

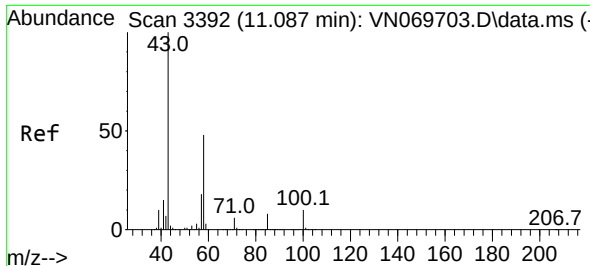
Tgt Ion: 63 Resp: 400265

Ion Ratio Lower Upper

63 100

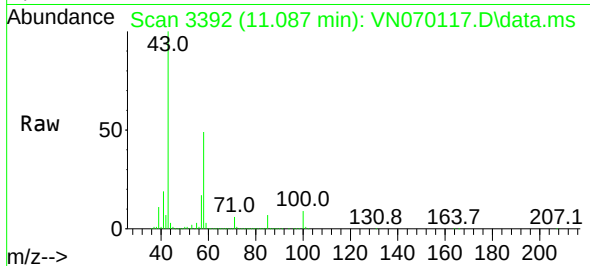
106 24.6 23.9 35.9





#59
2-Hexanone
Concen: 98.794 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

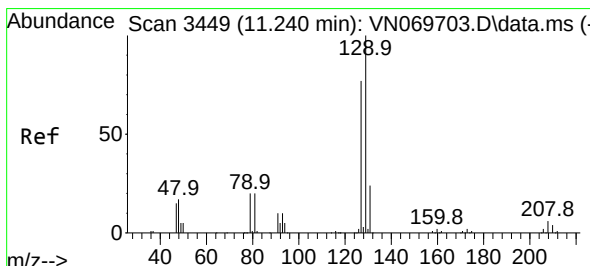
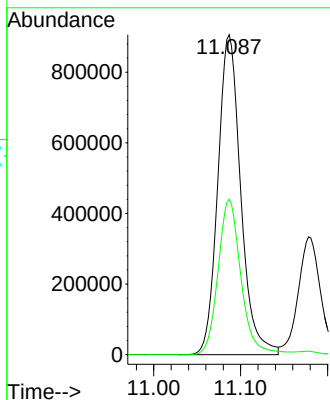
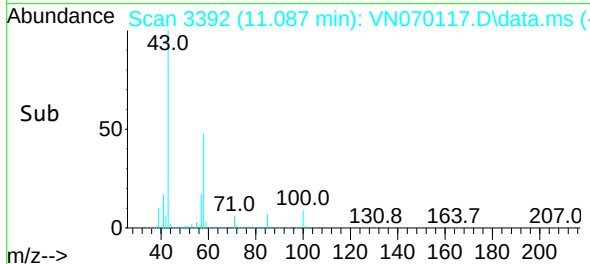
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



Tgt Ion: 43 Resp: 1660530
Ion Ratio Lower Upper
43 100
58 48.5 26.9 80.7

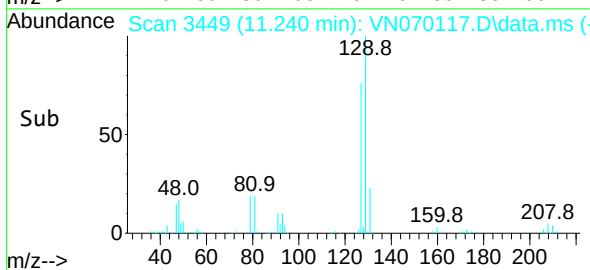
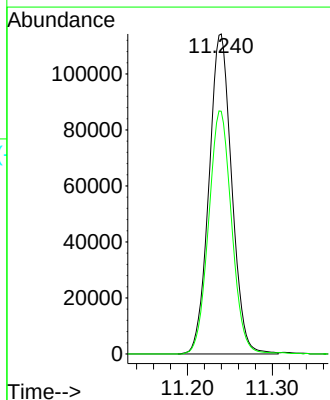
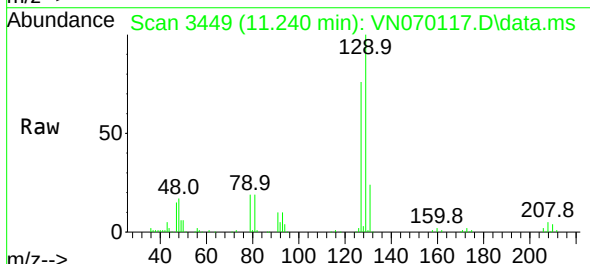
Manual Integrations
APPROVED

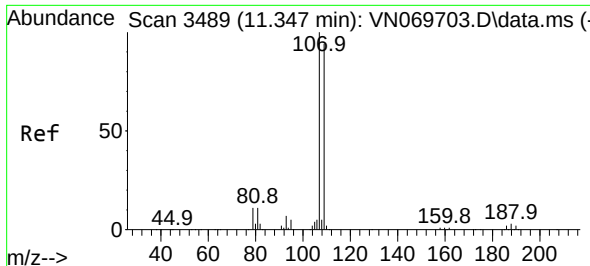
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#60
Dibromochloromethane
Concen: 18.519 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

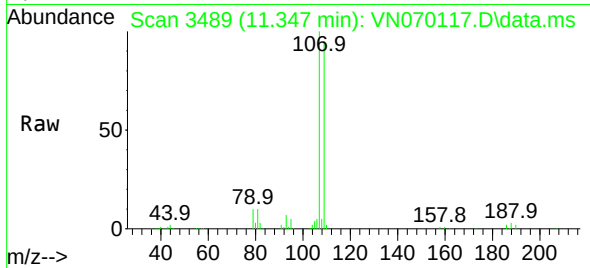
Tgt Ion:129 Resp: 212616
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0





#61
1,2-Dibromoethane
Concen: 19.086 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. -0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

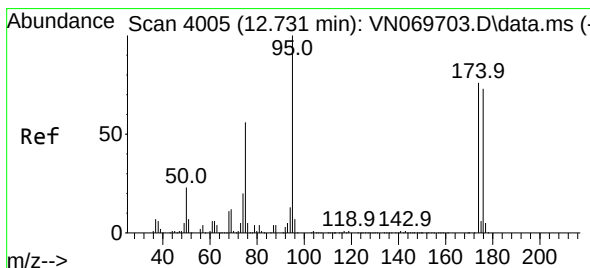
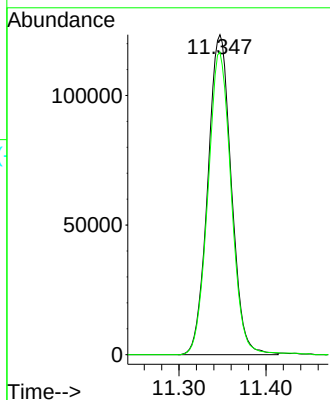
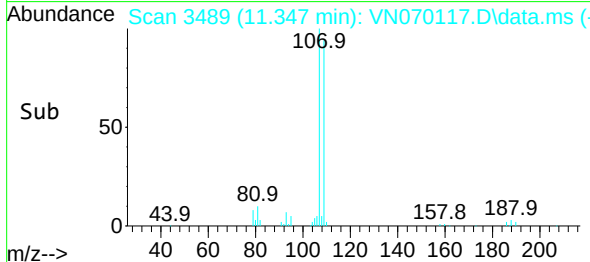
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



Tgt Ion:107 Resp: 23146
Ion Ratio Lower Upper
107 100
109 93.5 75.7 113.5

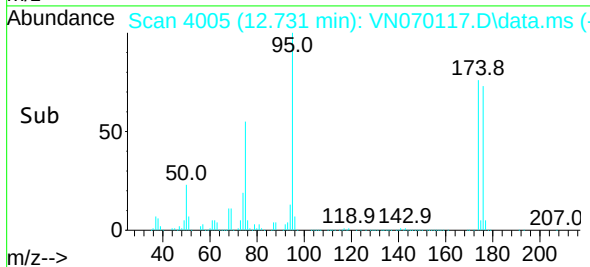
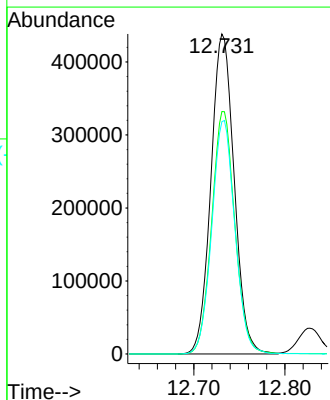
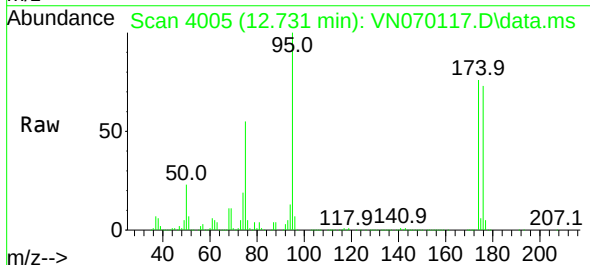
Manual Integrations
APPROVED

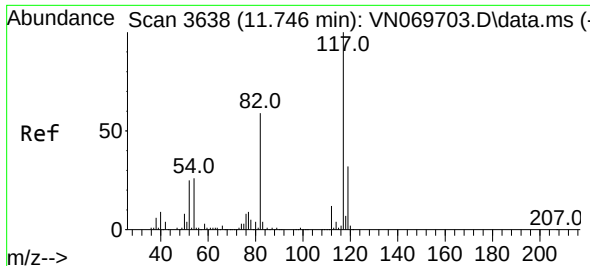
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#62
4-Bromofluorobenzene
Concen: 52.191 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

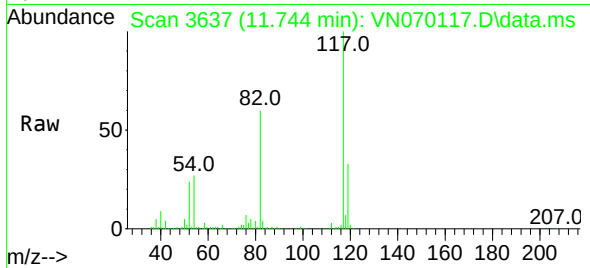
Tgt Ion: 95 Resp: 776797
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 72.6 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.002 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

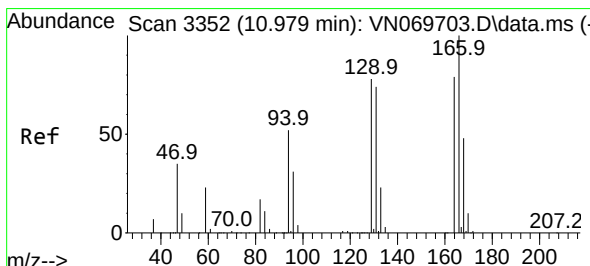
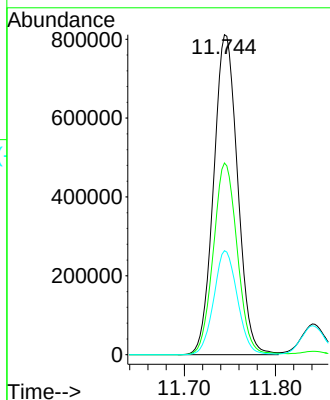
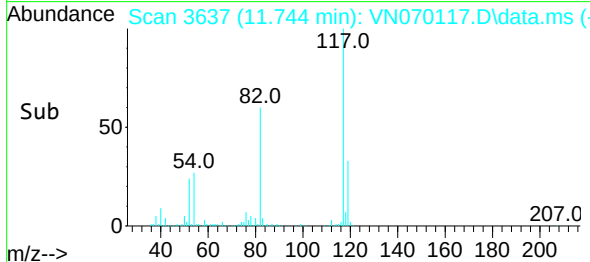
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



Tgt Ion:117 Resp: 148338
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 32.5 25.4 38.2

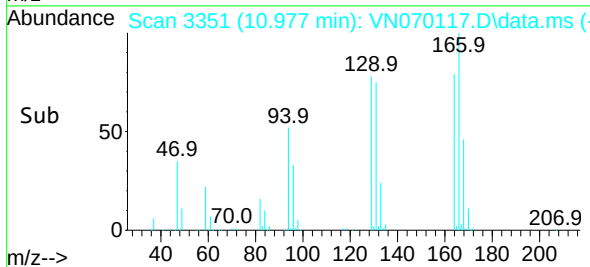
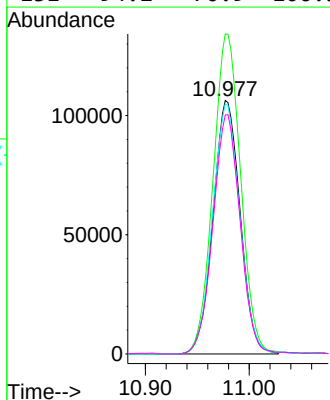
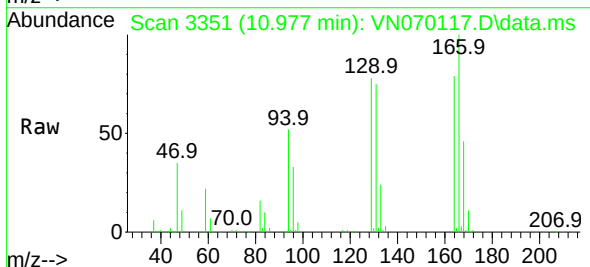
Manual Integrations
APPROVED

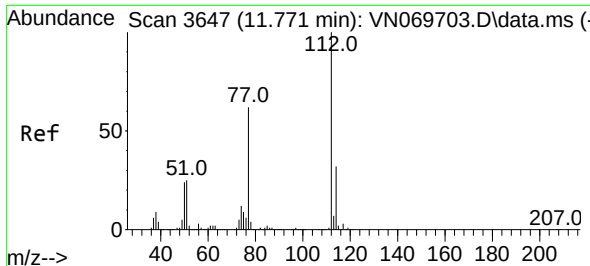
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#64
Tetrachloroethene
Concen: 19.223 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Tgt Ion:164 Resp: 193349
Ion Ratio Lower Upper
164 100
166 126.3 101.9 152.9
129 98.6 72.0 108.0
131 94.2 70.9 106.3





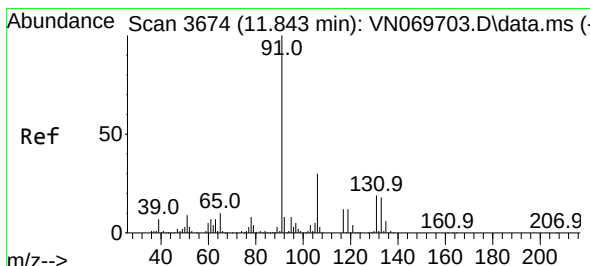
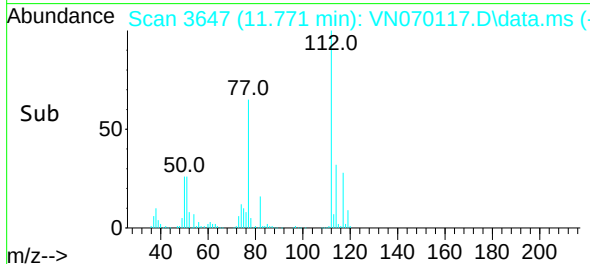
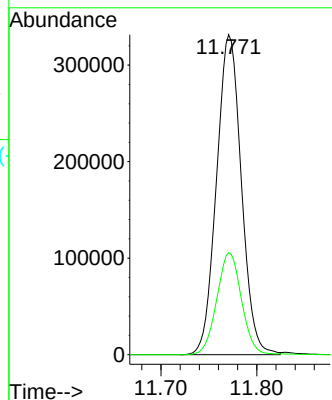
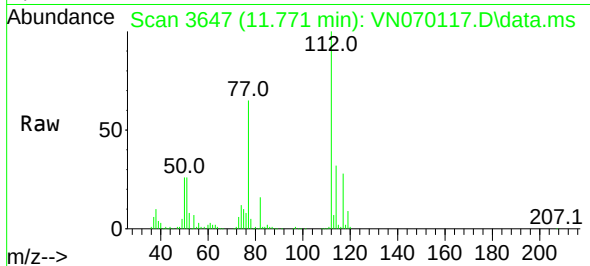
#65
Chlorobenzene
Concen: 19.773 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01

Tgt Ion:112 Resp: 595035
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

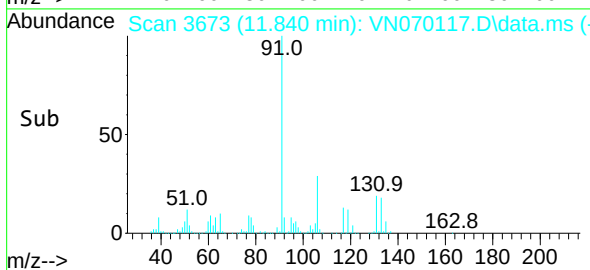
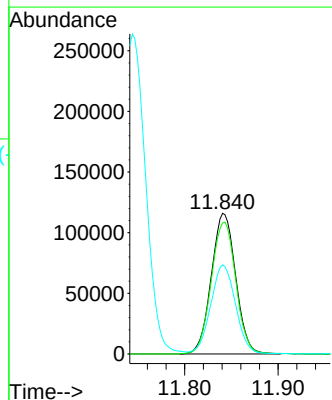
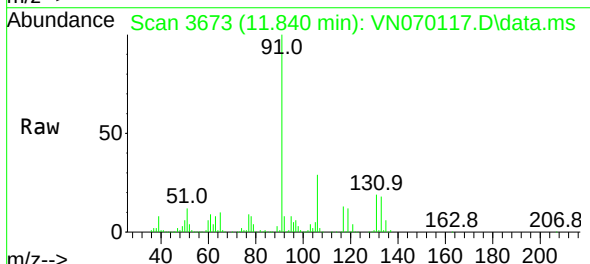
Manual Integrations
APPROVED

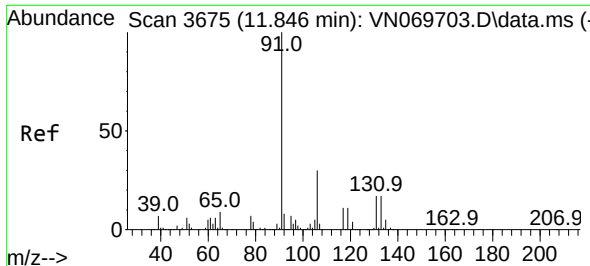
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#66
1,1,1,2-Tetrachloroethane
Concen: 19.854 ug/l
RT: 11.840 min Scan# 3673
Delta R.T. -0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

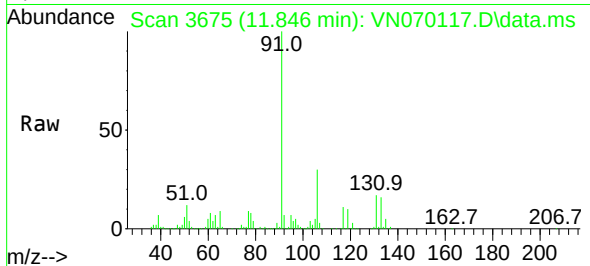
Tgt Ion:131 Resp: 210297
Ion Ratio Lower Upper
131 100
133 94.3 47.9 143.7
119 63.7 32.1 96.5





#67
Ethyl Benzene
Concen: 20.436 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

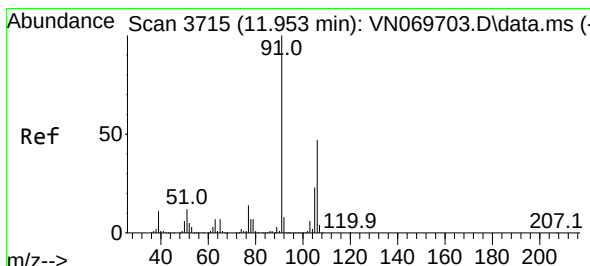
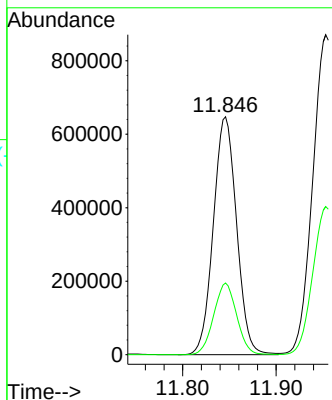
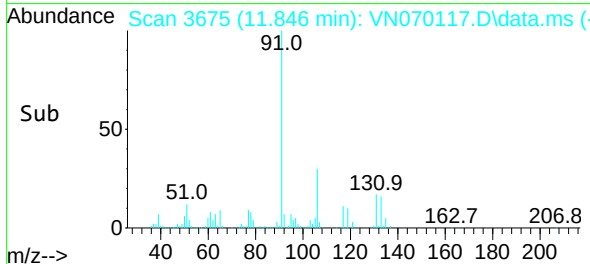
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



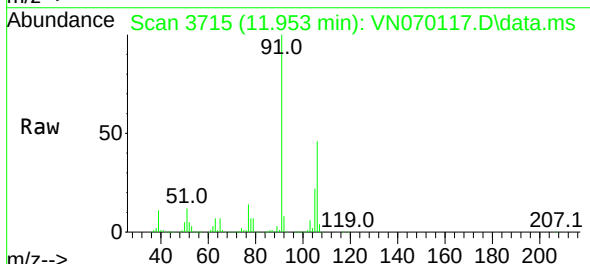
Tgt Ion: 91 Resp: 111713
Ion Ratio Lower Upper
91 100
106 30.2 25.7 38.5

Manual Integrations
APPROVED

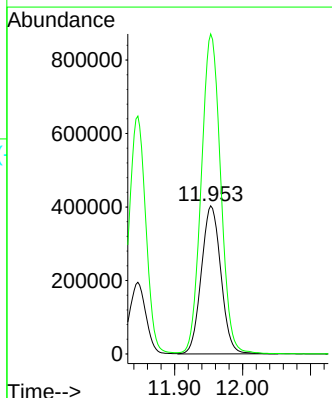
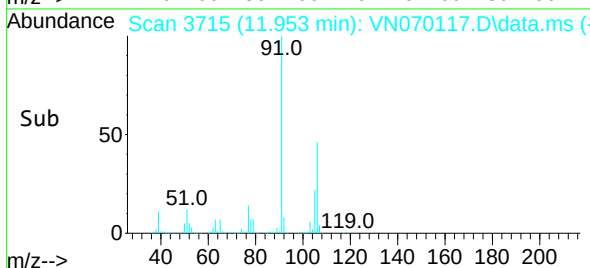
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

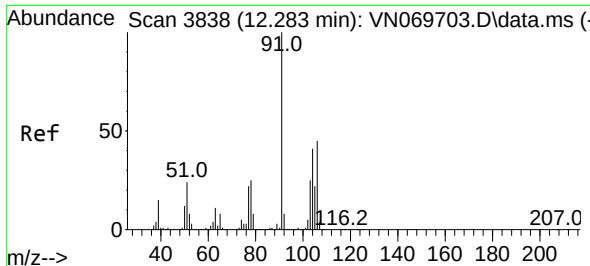


#68
m/p-Xylenes
Concen: 40.413 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



Tgt Ion:106 Resp: 804354
Ion Ratio Lower Upper
106 100
91 214.7 160.6 240.8





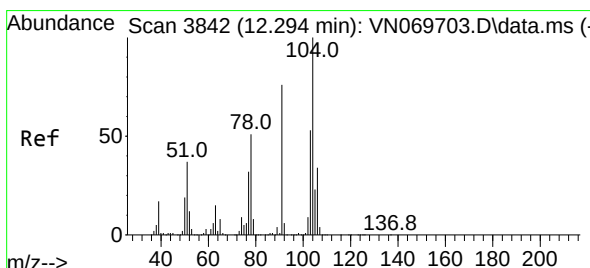
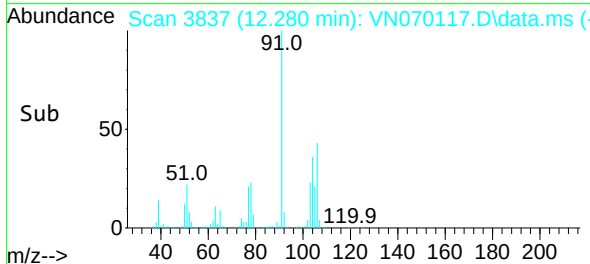
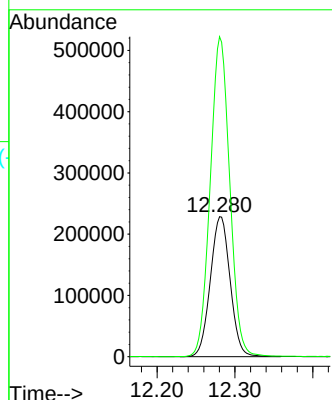
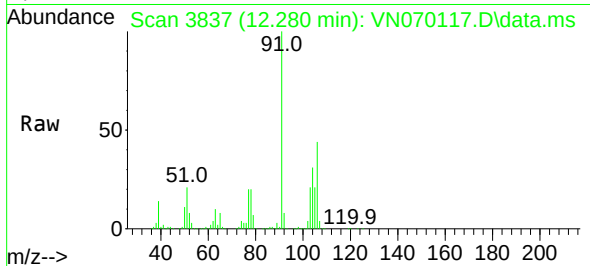
#69
o-Xylene
Concen: 20.134 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01

Tgt Ion:106 Resp: 40365
Ion Ratio Lower Upper
106 100
91 225.5 105.8 317.3

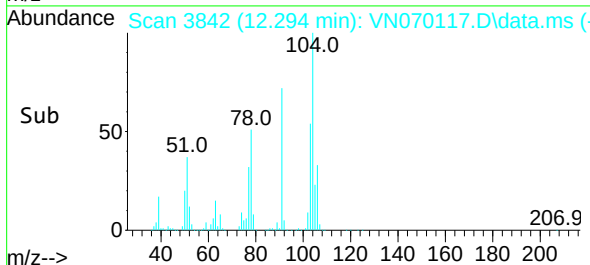
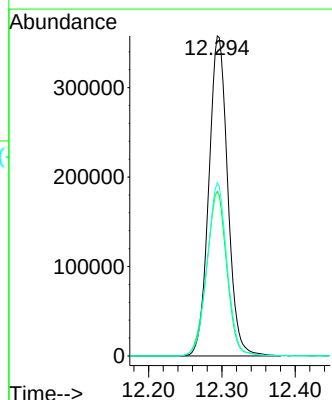
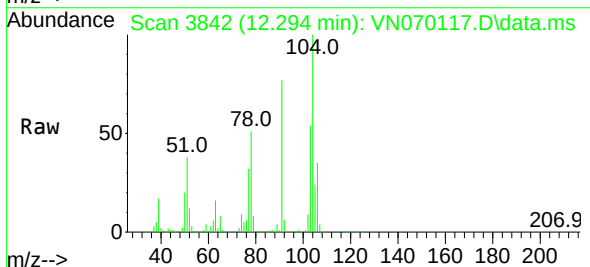
Manual Integrations
APPROVED

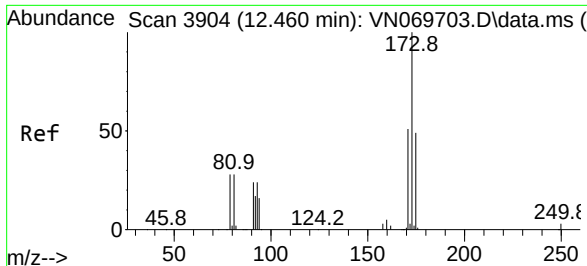
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#70
Styrene
Concen: 20.178 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

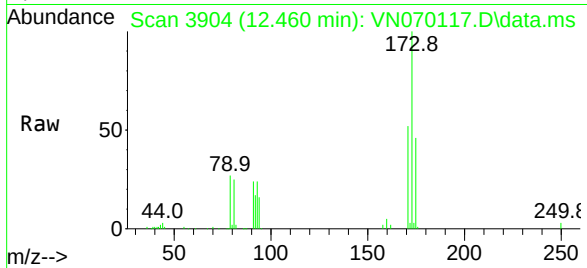
Tgt Ion:104 Resp: 641454
Ion Ratio Lower Upper
104 100
78 55.0 38.7 58.1
103 56.9 45.0 67.6





#71
Bromoform
Concen: 18.427 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. -0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

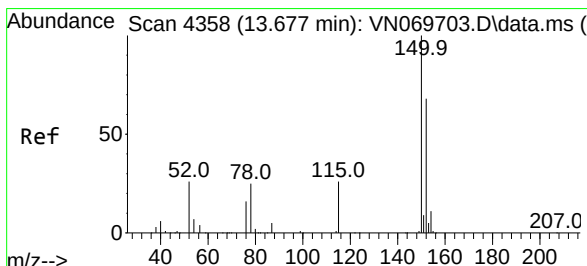
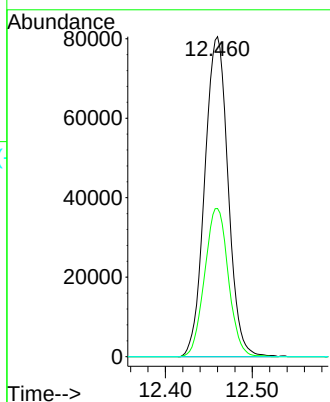
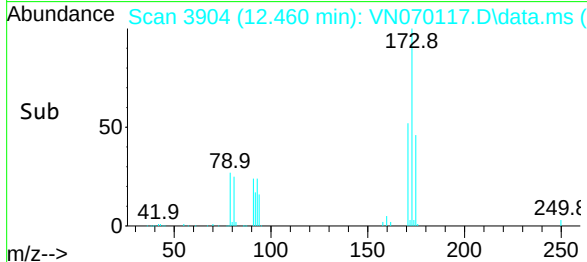
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



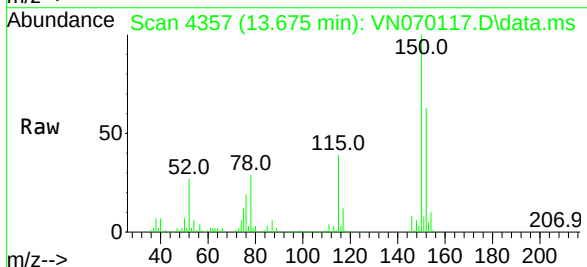
Tgt Ion:173 Resp: 15040
Ion Ratio Lower Upper
173 100
175 47.1 24.2 72.6
254 0.0 0.0 0.0

Manual Integrations
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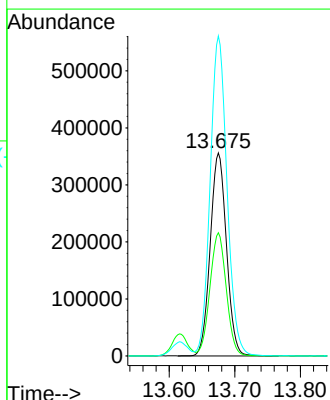
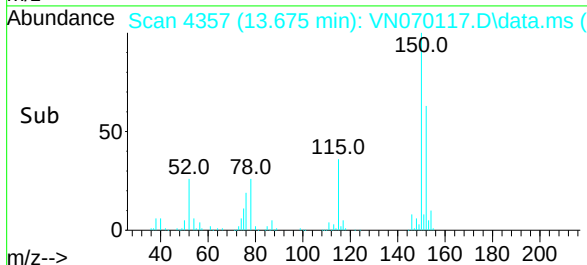
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

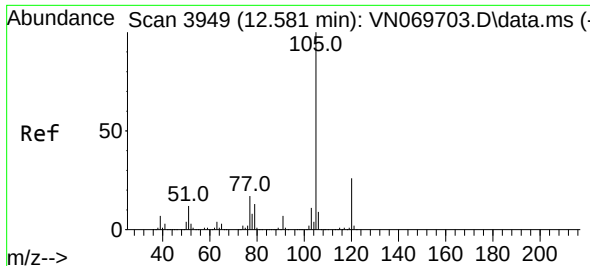


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



Tgt Ion:152 Resp: 612561
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 163.3 0.0 344.4





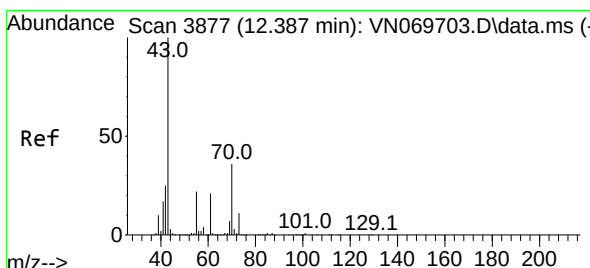
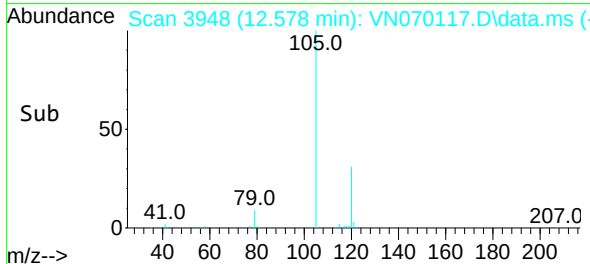
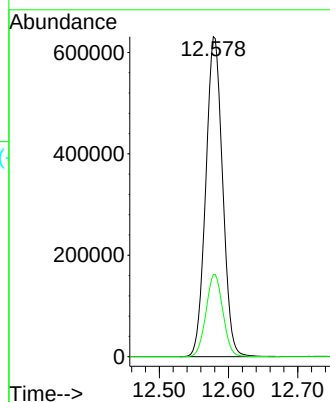
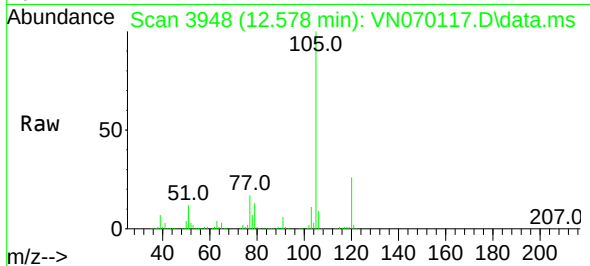
#73
Isopropylbenzene
Concen: 19.540 ug/l
RT: 12.578 min Scan# 3949
Delta R.T. -0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01

Tgt Ion:105 Resp: 106494
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1

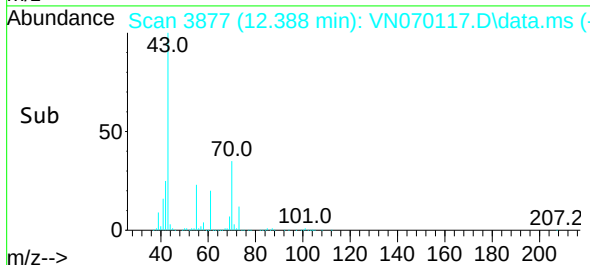
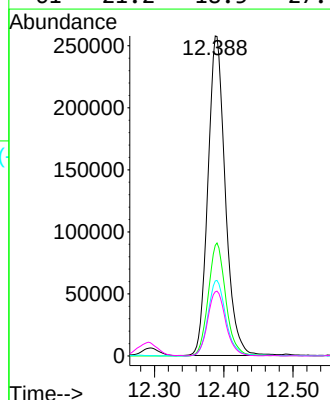
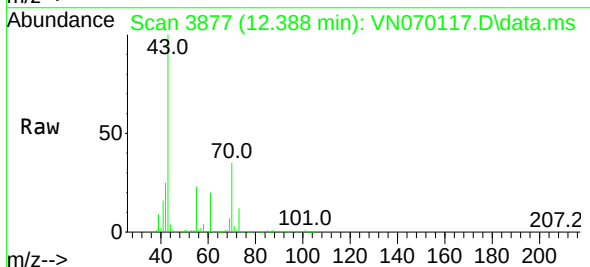
Manual Integrations
APPROVED

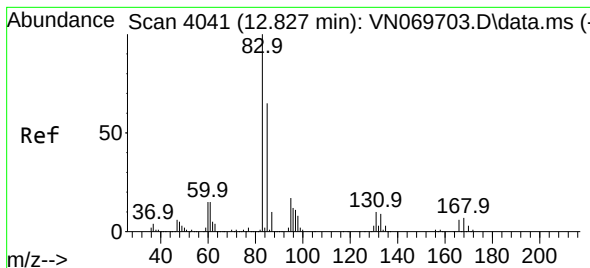
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#74
N-ethyl acetate
Concen: 18.666 ug/l
RT: 12.388 min Scan# 3877
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Tgt Ion: 43 Resp: 449889
Ion Ratio Lower Upper
43 100
70 35.6 33.4 50.0
55 24.2 19.3 28.9
61 21.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.310 ug/l

RT: 12.827 min Scan# 4041

Delta R.T. 0.000 min

Lab File: VN070117.D

Acq: 15 Dec 2021 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215MBSD01

Tgt Ion: 83 Resp: 38276

Ion Ratio Lower Upper

83 100

131 9.5 5.5 16.5

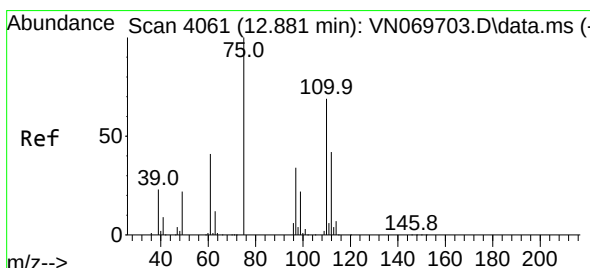
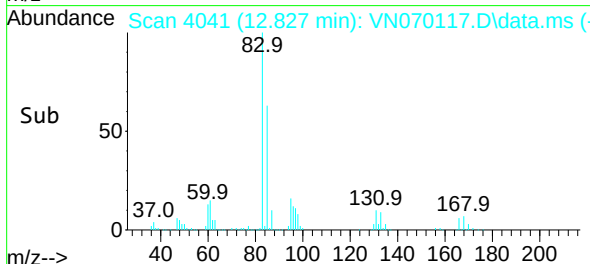
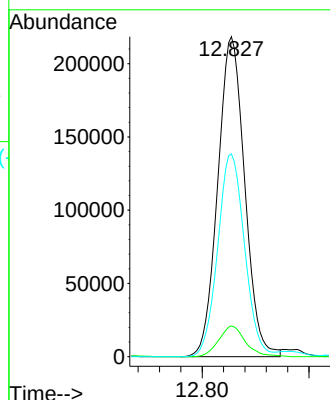
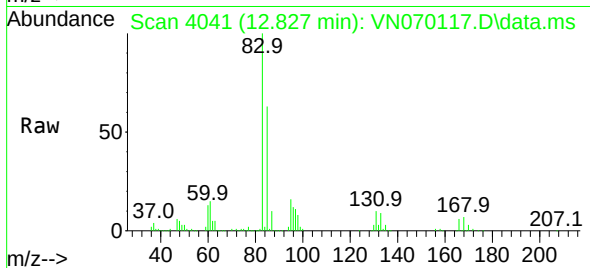
85 63.2 32.4 97.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#76

1,2,3-Trichloropropane

Concen: 20.746 ug/l m

RT: 12.881 min Scan# 4061

Delta R.T. 0.000 min

Lab File: VN070117.D

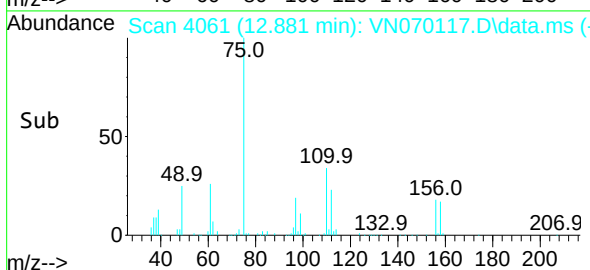
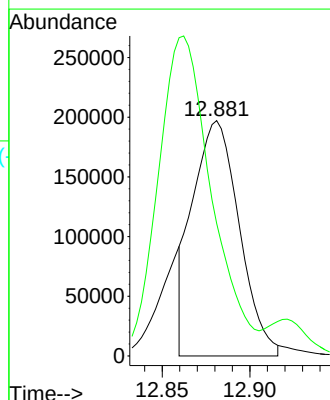
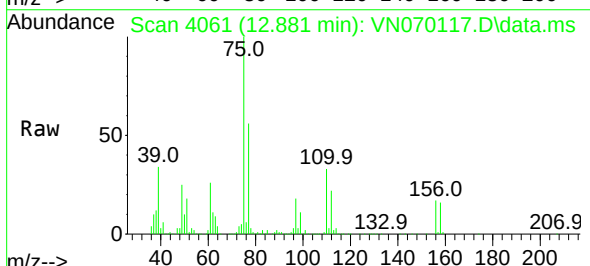
Acq: 15 Dec 2021 17:35

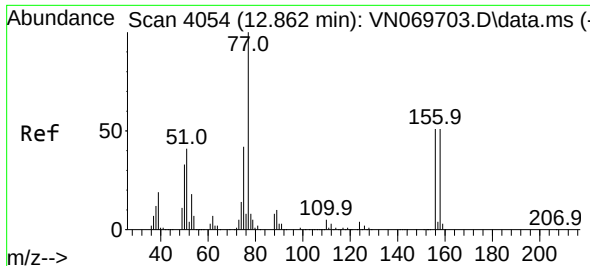
Tgt Ion: 75 Resp: 364434

Ion Ratio Lower Upper

75 100

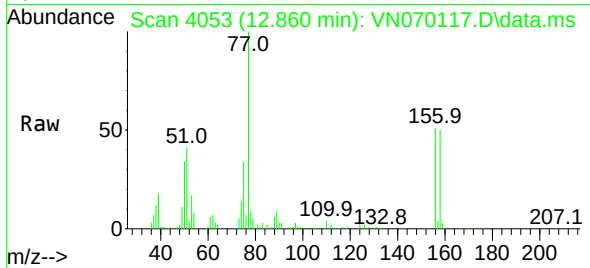
77 156.1 82.6 247.8





#77
Bromobenzene
Concen: 19.179 ug/l
RT: 12.860 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

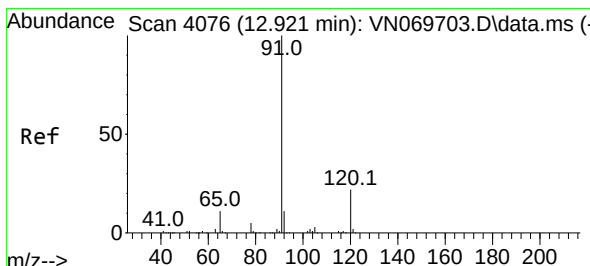
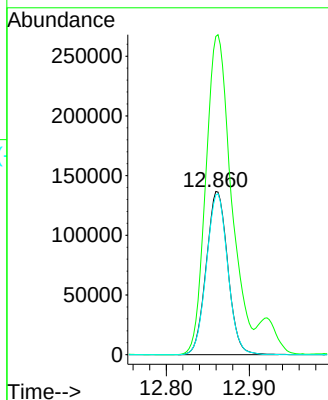
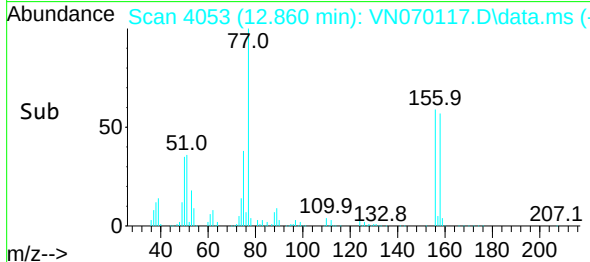
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBS01



Tgt Ion:156 Resp: 245520
Ion Ratio Lower Upper
156 100
77 231.7 90.6 271.8
158 97.8 48.9 146.7

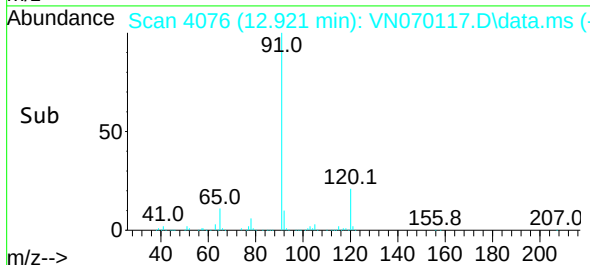
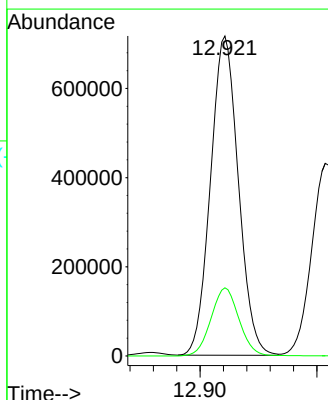
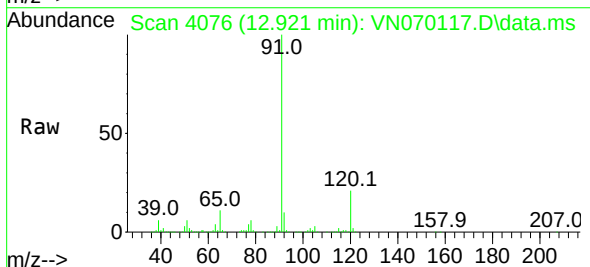
Manual Integrations
APPROVED

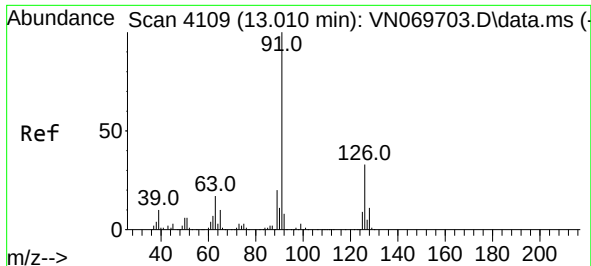
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#78
n-propylbenzene
Concen: 19.553 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Tgt Ion: 91 Resp: 1185833
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.9





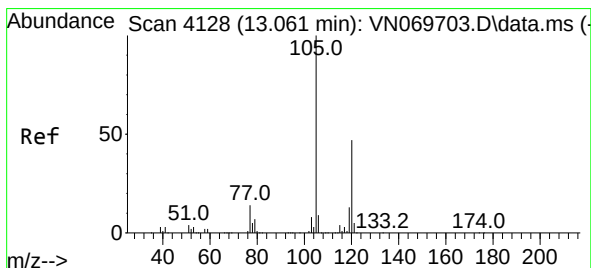
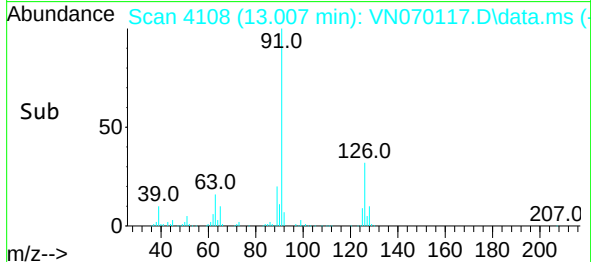
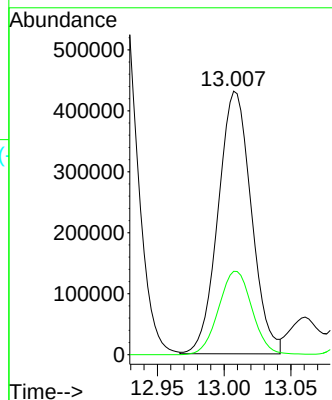
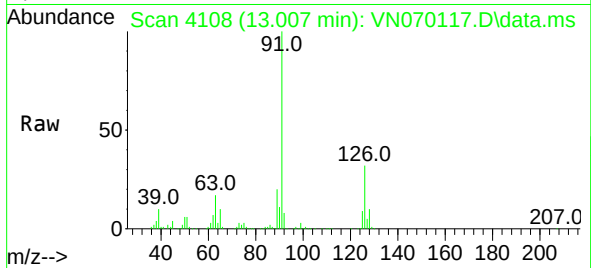
#79
2-Chlorotoluene
Concen: 19.487 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. -0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215MBS01

Tgt Ion: 91 Resp: 74675
Ion Ratio Lower Upper
91 100
126 32.1 18.3 54.8

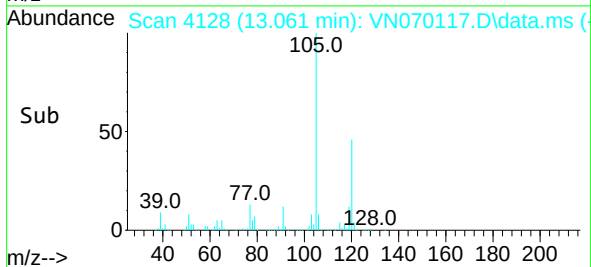
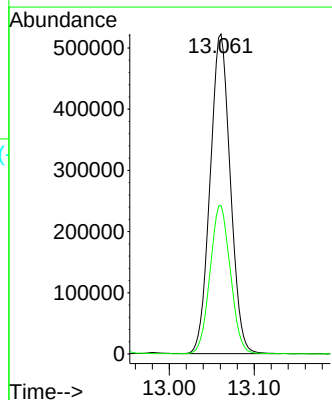
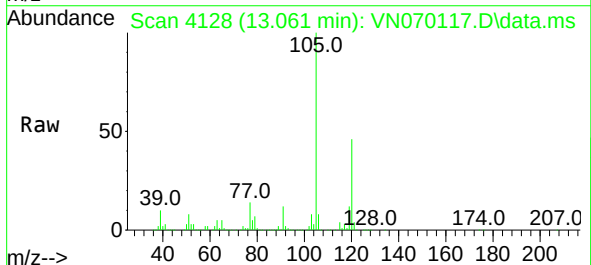
Manual Integrations
APPROVED

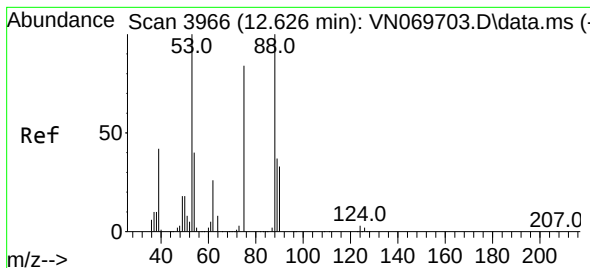
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#80
1,3,5-Trimethylbenzene
Concen: 19.632 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Tgt Ion:105 Resp: 861190
Ion Ratio Lower Upper
105 100
120 47.0 24.6 73.6





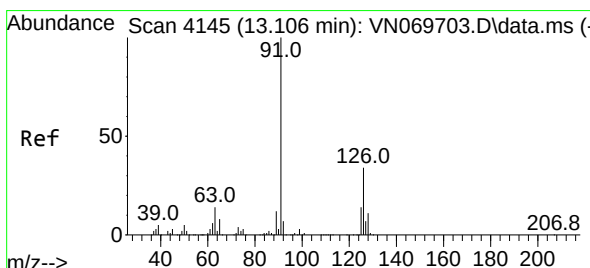
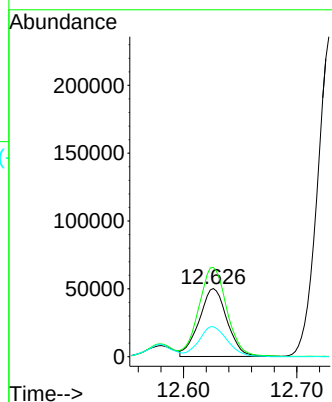
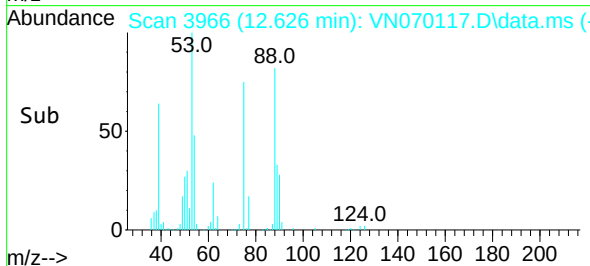
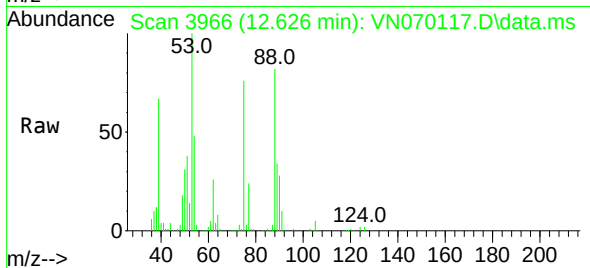
#81
trans-1,4-Dichloro-2-butene
Concen: 18.708 ug/l
RT: 12.626 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Instrument :
MSVOA_N
Client Sample Id :
VN1215MBSD01

Tgt Ion: 75 Resp: 8556
Ion Ratio Lower Upper
75 100
53 132.8 90.5 135.7
89 45.1 38.2 57.4

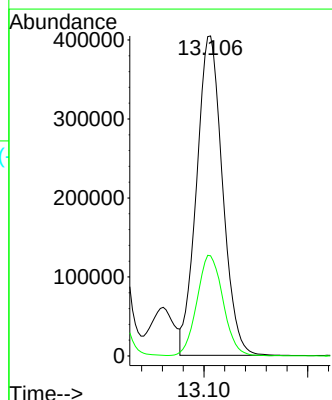
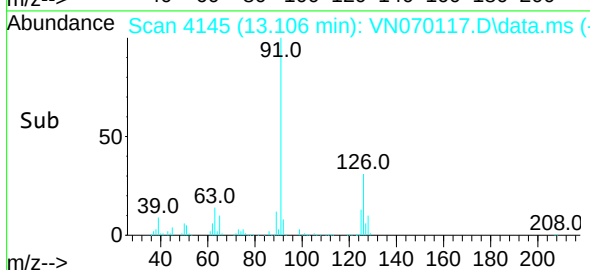
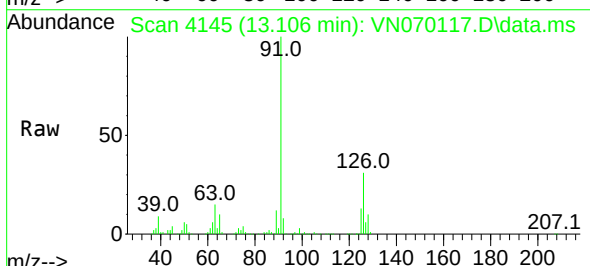
Manual Integrations
APPROVED

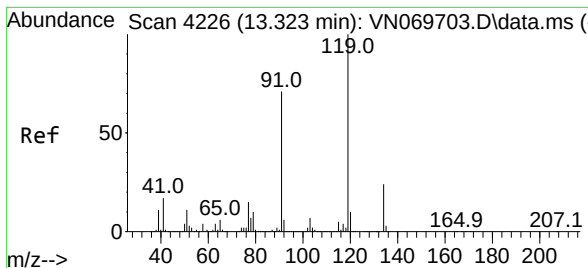
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#82
4-Chlorotoluene
Concen: 19.422 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Tgt Ion: 91 Resp: 699930
Ion Ratio Lower Upper
91 100
126 31.7 18.2 54.6





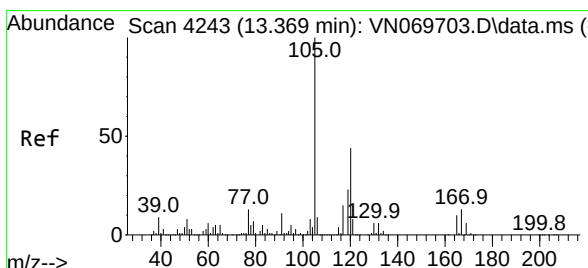
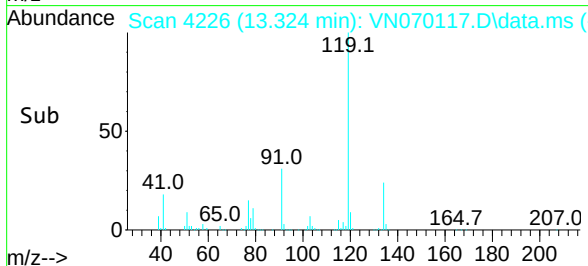
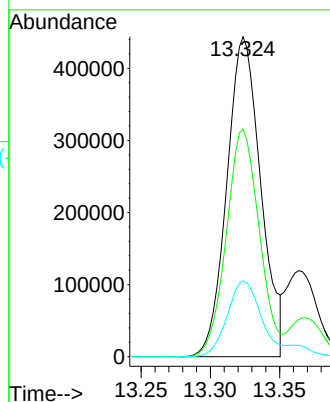
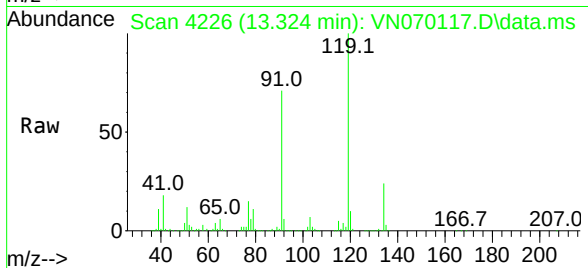
#83
tert-Butylbenzene
Concen: 19.464 ug/l
RT: 13.324 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01

Tgt Ion:119 Resp: 756049
Ion Ratio Lower Upper
119 100
91 69.8 31.5 94.5
134 23.8 12.4 37.4

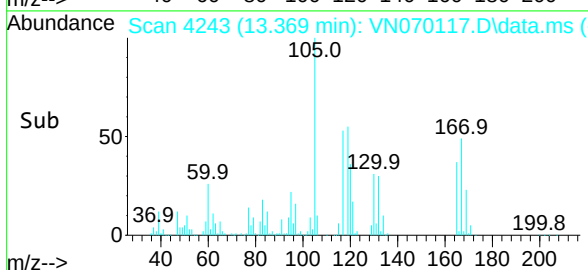
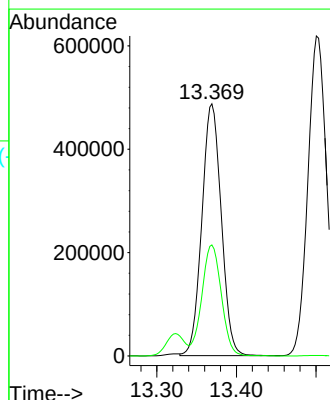
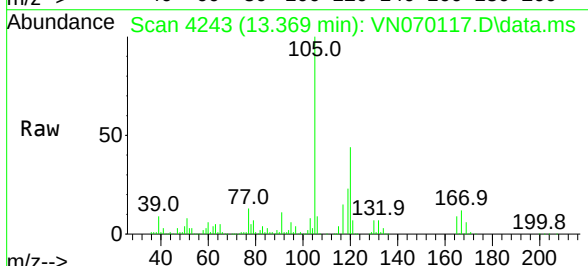
Manual Integrations
APPROVED

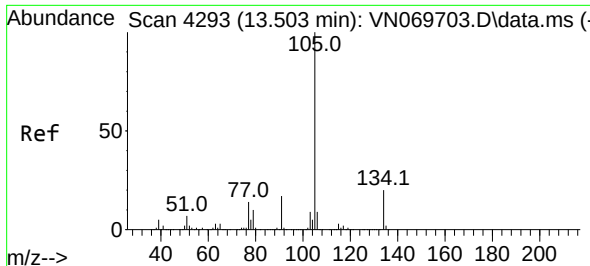
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#84
1,2,4-Trimethylbenzene
Concen: 19.782 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Tgt Ion:105 Resp: 826427
Ion Ratio Lower Upper
105 100
120 44.2 22.8 68.4





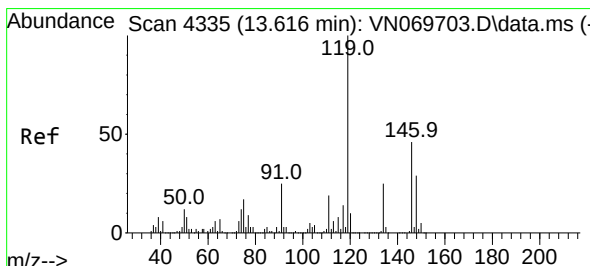
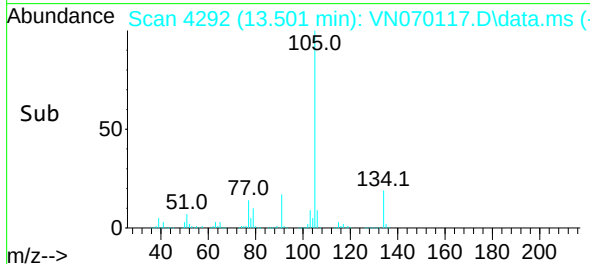
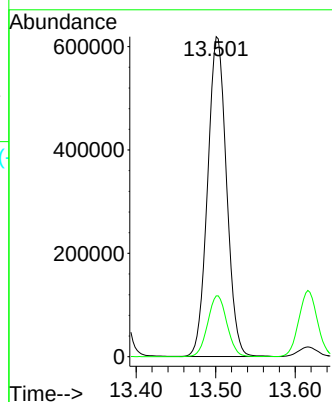
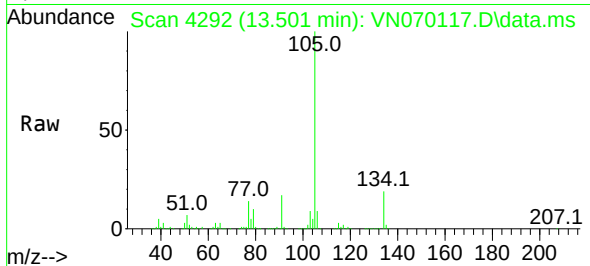
#85
 sec-Butylbenzene
 Concen: 19.432 ug/l
 RT: 13.501 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070117.D
 Acq: 15 Dec 2021 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215MBSD01

Tgt Ion:105 Resp: 102382
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.4 31.1

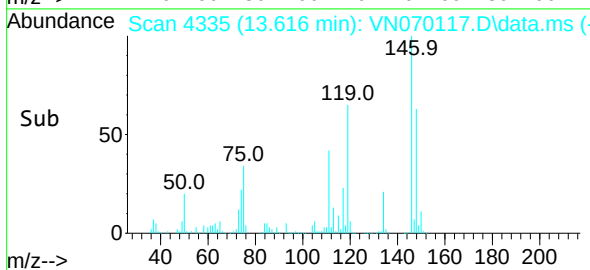
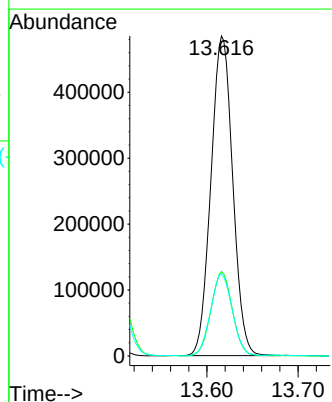
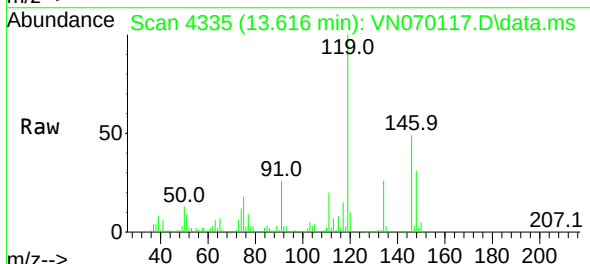
Manual Integrations
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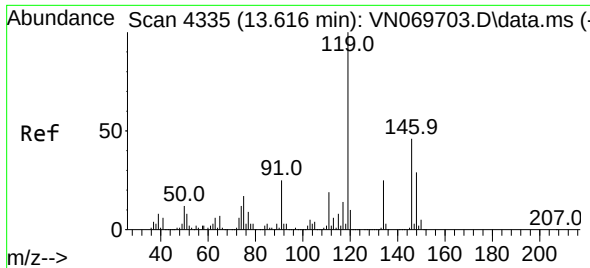
Reviewed By :John Carlone 12/16/2021
 Supervised By :Amit Patel 12/16/2021



#86
 p-Isopropyltoluene
 Concen: 19.511 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070117.D
 Acq: 15 Dec 2021 17:35

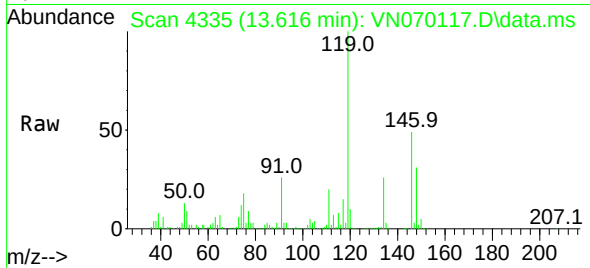
Tgt Ion:119 Resp: 803522
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.6 40.7
 91 25.5 11.4 34.1





#87
1,3-Dichlorobenzene
Concen: 19.344 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

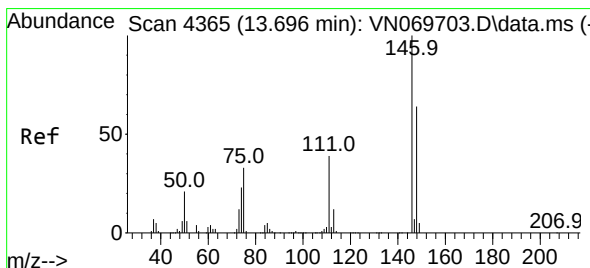
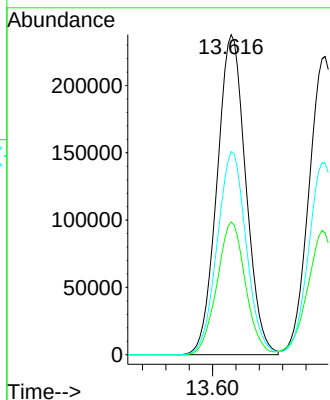
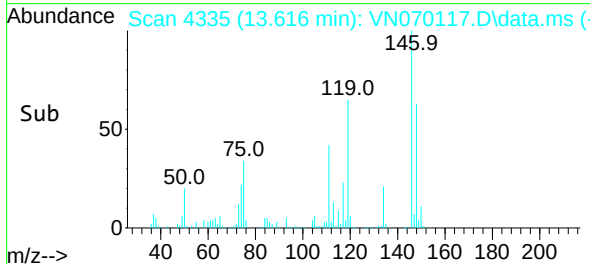
Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01



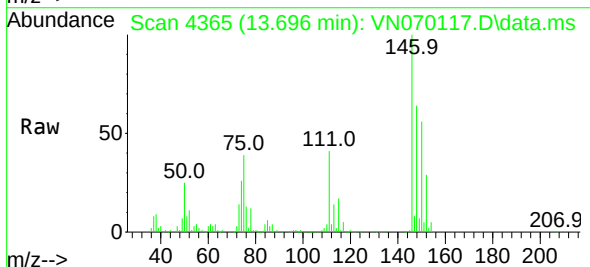
Tgt Ion:146 Resp: 406818
Ion Ratio Lower Upper
146 100
111 41.0 18.6 55.6
148 64.1 31.6 95.0

Manual Integrations
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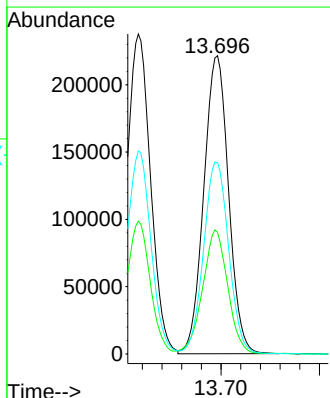
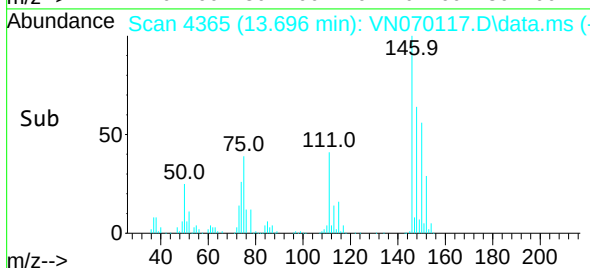
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

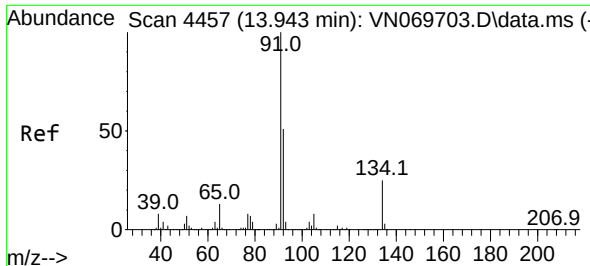


#88
1,4-Dichlorobenzene
Concen: 18.762 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35



Tgt Ion:146 Resp: 387765
Ion Ratio Lower Upper
146 100
111 42.0 18.3 54.8
148 65.5 31.8 95.4





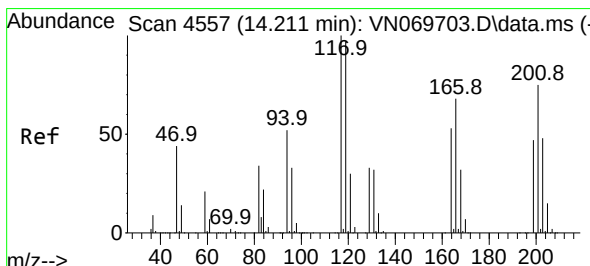
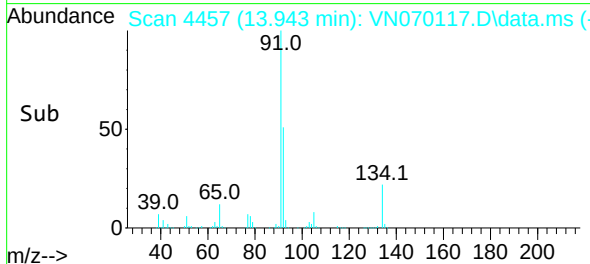
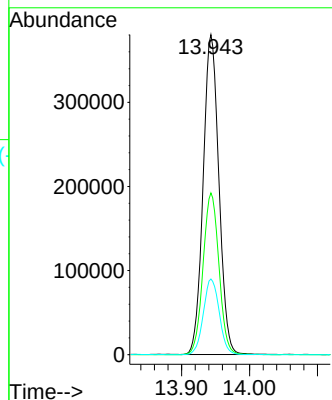
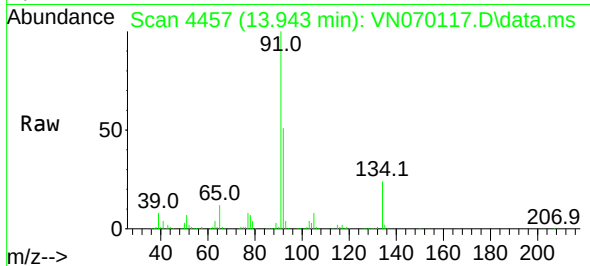
#89
n-Butylbenzene
Concen: 18.321 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215MBS01

Tgt Ion: 91 Resp: 61204
Ion Ratio Lower Upper
91 100
92 51.1 25.4 76.0
134 23.9 13.6 40.8

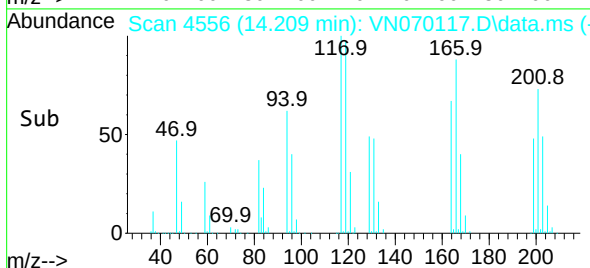
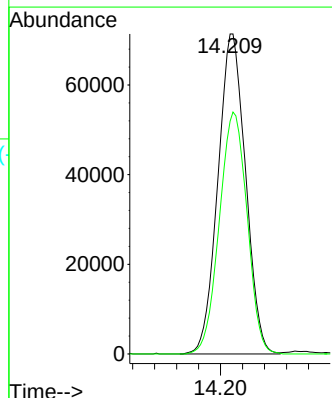
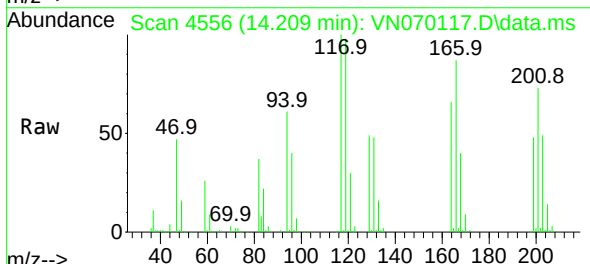
Manual Integrations
APPROVED

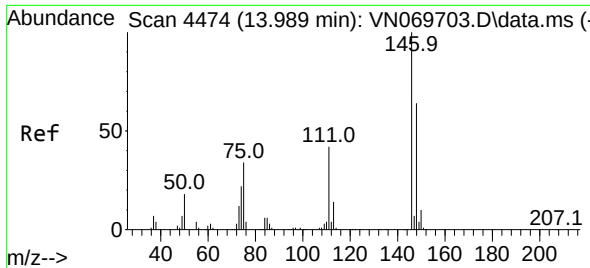
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#90
Hexachloroethane
Concen: 17.241 ug/l
RT: 14.209 min Scan# 4556
Delta R.T. -0.003 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Tgt Ion:117 Resp: 124657
Ion Ratio Lower Upper
117 100
201 75.9 43.9 131.6





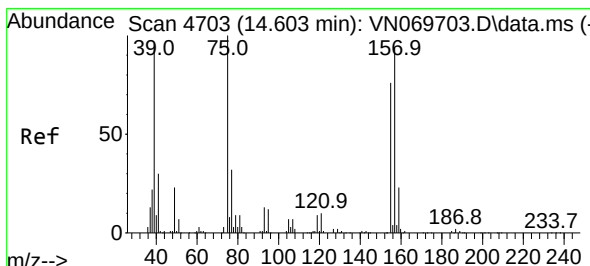
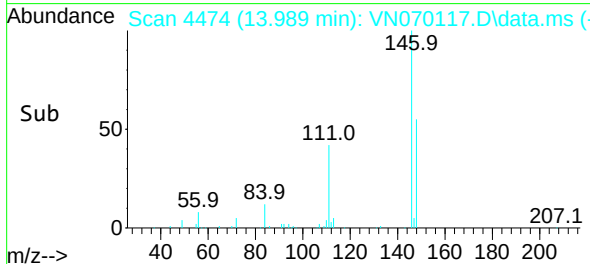
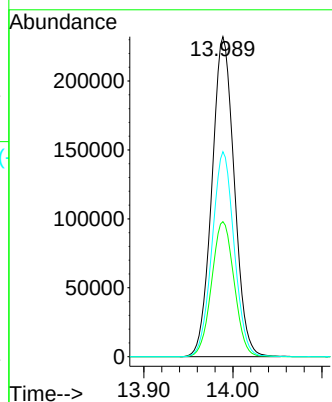
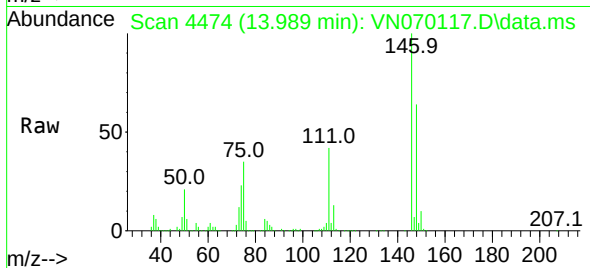
#91
1,2-Dichlorobenzene
Concen: 19.796 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN1215MBSD01

Tgt Ion:146 Resp: 40565
Ion Ratio Lower Upper
146 100
111 42.6 19.1 57.3
148 63.4 32.1 96.3

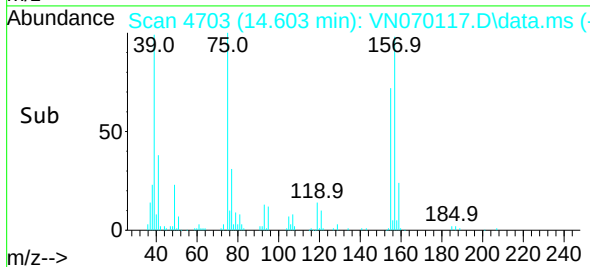
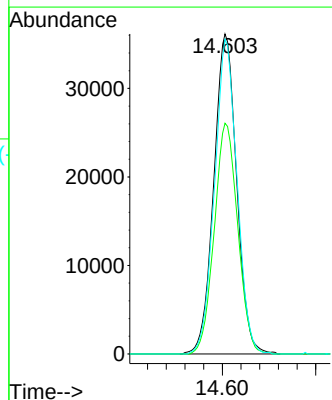
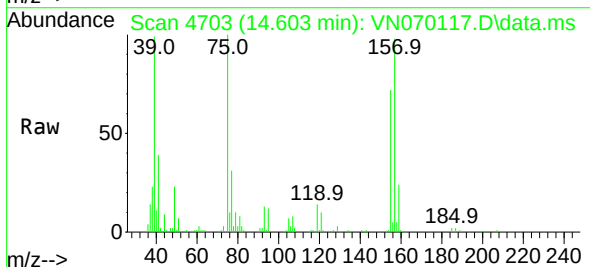
Manual Integrations
APPROVED

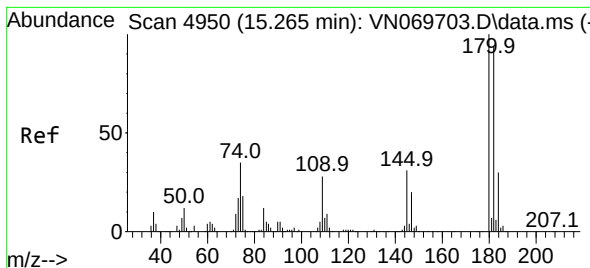
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.027 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN070117.D
Acq: 15 Dec 2021 17:35

Tgt Ion: 75 Resp: 61393
Ion Ratio Lower Upper
75 100
155 74.1 46.9 140.7
157 96.5 60.6 181.7





#93

1,2,4-Trichlorobenzene

Concen: 18.551 ug/l

RT: 15.263 min Scan# 4950

Delta R.T. -0.002 min

Lab File: VN070117.D

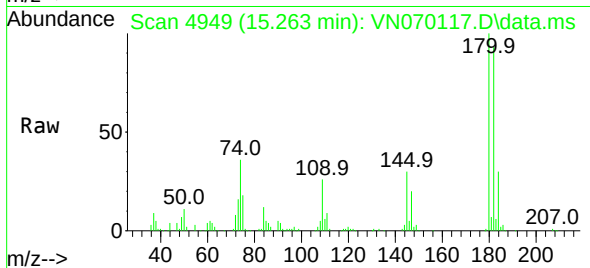
Acq: 15 Dec 2021 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN1215MBS01



Tgt Ion:180 Resp: 167138

Ion Ratio Lower Upper

180 100

182 94.7 48.3 144.9

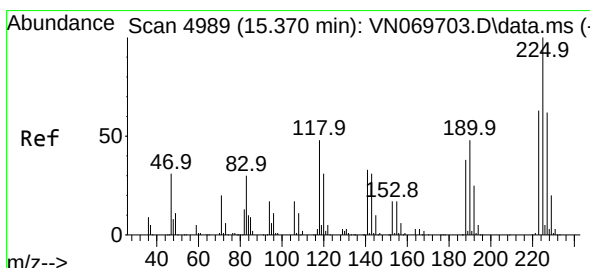
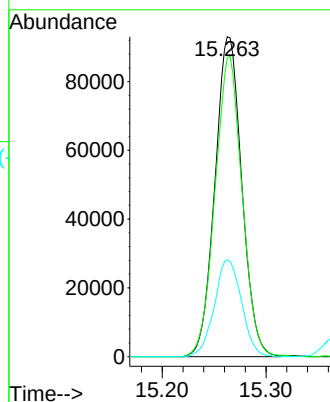
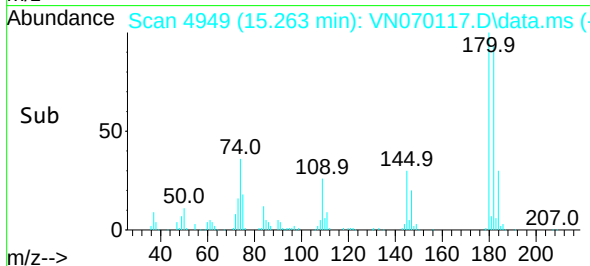
145 30.7 14.5 43.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#94

Hexachlorobutadiene

Concen: 20.048 ug/l

RT: 15.370 min Scan# 4989

Delta R.T. 0.000 min

Lab File: VN070117.D

Acq: 15 Dec 2021 17:35

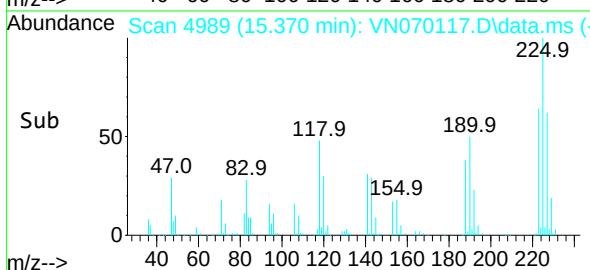
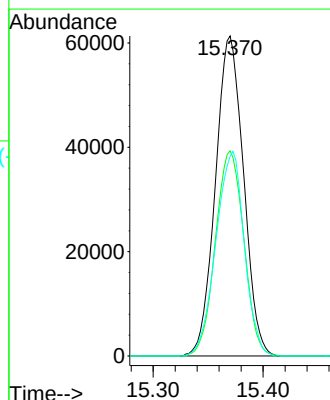
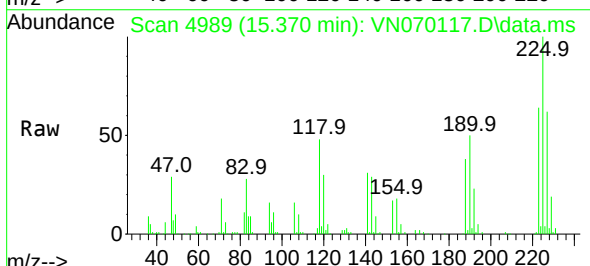
Tgt Ion:225 Resp: 108875

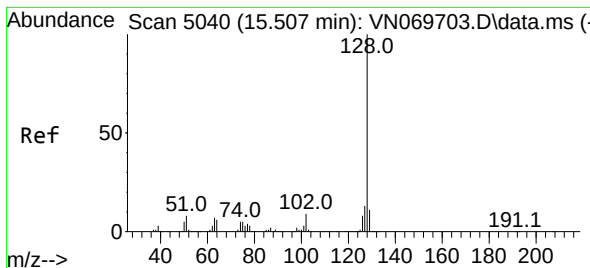
Ion Ratio Lower Upper

225 100

223 64.8 31.9 95.7

227 64.4 32.1 96.3





#95

Naphthalene

Concen: 17.650 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN070117.D

Acq: 15 Dec 2021 17:35

Instrument :

MSVOA_N

ClientSampleId :

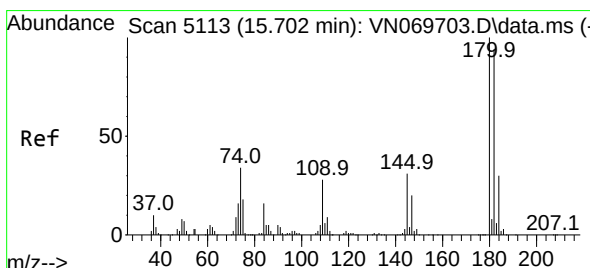
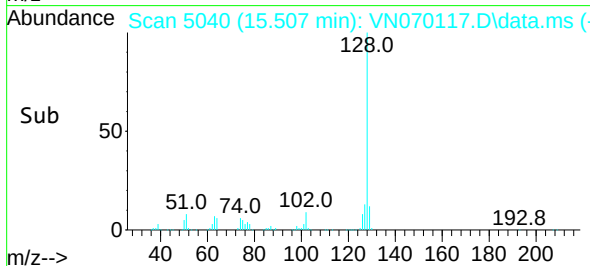
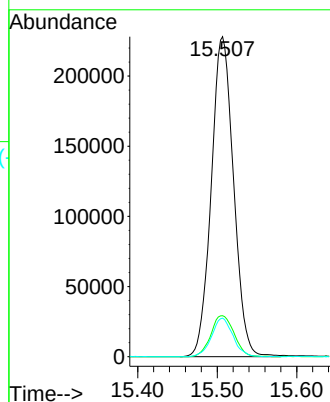
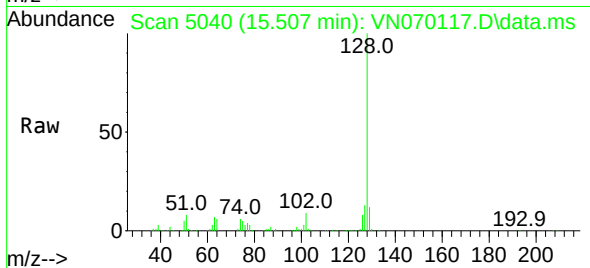
VN1215MBSD01

Tgt Ion:	128	Resp:	44450
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.6	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 18.721 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. -0.002 min

Lab File: VN070117.D

Acq: 15 Dec 2021 17:35

Tgt Ion:	180	Resp:	167676
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.4	142.2
145	33.0	15.0	45.1

