

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062396.D
 Acq On : 7 Jul 2020 4:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/7/2020 10:07:55 AM

Quant Time: Jul 07 06:09:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 05:08:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	1129190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1948020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1794974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	866862	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	1024275	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
35) Dibromofluoromethane	7.55	113	673779	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.06	98	2568285	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.38	95	959347	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	591679	46.304	ug/l	99
3) Chloromethane	2.03	50	859927	45.298	ug/l	98
4) Vinyl Chloride	2.16	62	742072	45.777	ug/l	99
5) Bromomethane	2.52	94	394807	46.965	ug/l	97
6) Chloroethane	2.66	64	441415	46.840	ug/l	96
7) Trichlorofluoromethane	2.98	101	1072310	47.926	ug/l	99
8) Diethyl Ether	3.37	74	405302	46.887	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	564020	45.115	ug/l	99
10) Methyl Iodide	3.91	142	761222	50.713	ug/l	99
11) Tert butyl alcohol	4.74	59	685754	242.503	ug/l	98
12) 1,1-Dichloroethene	3.69	96	554289	47.761	ug/l	99
13) Acrolein	3.57	56	293264	244.294	ug/l	94
14) Allyl chloride	4.27	41	1368684	48.394	ug/l	97
15) Acrylonitrile	4.93	53	1870133	251.803	ug/l	99
16) Acetone	3.77	43	1852791	196.753	ug/l	99
17) Carbon Disulfide	4.01	76	1667959	45.392	ug/l	100
18) Methyl Acetate	4.28	43	948899	50.554	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	2180072	49.084	ug/l	100
20) Methylene Chloride	4.50	84	707058	51.342	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	620493	48.414	ug/l	94
22) Diisopropyl ether	5.90	45	2843527	50.267	ug/l	99
23) Vinyl Acetate	5.84	43	11552029	254.400	ug/l	99
24) 1,1-Dichloroethane	5.80	63	1366510	48.747	ug/l	100
25) 2-Butanone	6.79	43	2800671	236.168	ug/l	99
26) 2,2-Dichloropropane	6.78	77	821511	35.578	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	721663	49.156	ug/l	95
28) Bromochloromethane	7.15	49	824872	52.657	ug/l	99
29) Tetrahydrofuran	7.17	42	1946964	258.309	ug/l	98
30) Chloroform	7.33	83	1317214	48.284	ug/l	97
31) Cyclohexane	7.62	56	1210541	46.737	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	1123251	49.000	ug/l	99
36) 1,1-Dichloropropene	7.75	75	967552	47.269	ug/l	99
37) Ethyl Acetate	6.89	43	1187803	48.914	ug/l	99
38) Carbon Tetrachloride	7.73	117	982378	47.725	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1001855	45.512	ug/l	98
40) Benzene	8.00	78	2821633	48.524	ug/l	98
41) Methacrylonitrile	7.14	41	596332m	48.649	ug/l	
42) 1,2-Dichloroethane	8.08	62	1222725	47.725	ug/l	100
43) Isopropyl Acetate	8.13	43	2006280	49.431	ug/l #	92
44) Trichloroethene	8.80	130	649098	46.692	ug/l	95
45) 1,2-Dichloropropane	9.08	63	818028	47.992	ug/l	98
46) Dibromomethane	9.17	93	508967	48.245	ug/l	100
47) Bromodichloromethane	9.37	83	1077669	47.925	ug/l	98
48) Methyl methacrylate	9.17	41	1001156	48.329	ug/l	99
49) 1,4-Dioxane	9.17	88	258459	918.688	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	5775101	249.225	ug/l	100
52) Toluene	10.12	92	1719313	49.445	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	1139902	47.113	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	1198562	46.426	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	683291	49.036	ug/l	99
56) Ethyl methacrylate	10.40	69	1132828	50.475	ug/l	99
57) 1,3-Dichloropropane	10.68	76	1241249	47.967	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	2113028	261.764	ug/l	99
59) 2-Hexanone	10.72	43	4345680	264.171	ug/l	99
60) Dibromochloromethane	10.87	129	781203	49.231	ug/l	99
61) 1,2-Dibromoethane	10.98	107	708845	49.552	ug/l	96
64) Tetrachloroethene	10.60	164	544519	47.148	ug/l	98
65) Chlorobenzene	11.41	112	1788033	48.569	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	696917	50.345	ug/l	99
67) Ethyl Benzene	11.48	91	3333272	51.276	ug/l	100
68) m/p-Xylenes	11.60	106	2437594	102.017	ug/l	100
69) o-Xylene	11.92	106	1168882	49.735	ug/l	100
70) Styrene	11.94	104	2023796	52.112	ug/l	99
71) Bromoform	12.10	173	536349	49.347	ug/l #	99
73) Isopropylbenzene	12.22	105	3201293	49.671	ug/l	100
74) N-amyl acetate	12.05	43	1805011	52.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	1071116	47.760	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	1019015m	48.668	ug/l	
77) Bromobenzene	12.50	156	752081	49.626	ug/l	96
78) n-propylbenzene	12.57	91	3696966	48.819	ug/l	99
79) 2-Chlorotoluene	12.65	91	2276785	48.903	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	2746408	50.926	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	324147	44.272	ug/l	99
82) 4-Chlorotoluene	12.75	91	2359302	49.546	ug/l	99
83) tert-Butylbenzene	12.97	119	2298290	50.288	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	2707274	50.782	ug/l	99
85) sec-Butylbenzene	13.15	105	2999315	51.233	ug/l	99
86) p-Isopropyltoluene	13.26	119	2675020	50.700	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	1340471	49.145	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	1332761	47.282	ug/l	99
89) n-Butylbenzene	13.59	91	2248891	49.361	ug/l	100
90) Hexachloroethane	13.85	117	534373	47.363	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	1324850	50.718	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	215652	49.065	ug/l	98

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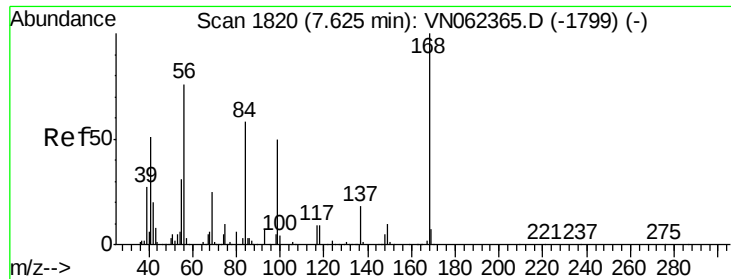
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	630630	45.663	ug/l	100
94) Hexachlorobutadiene	14.98	225	337221	48.770	ug/l	97
95) Naphthalene	15.10	128	1714519	46.566	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	639818	50.889	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 1129190

Ion Ratio Lower Upper

168 100

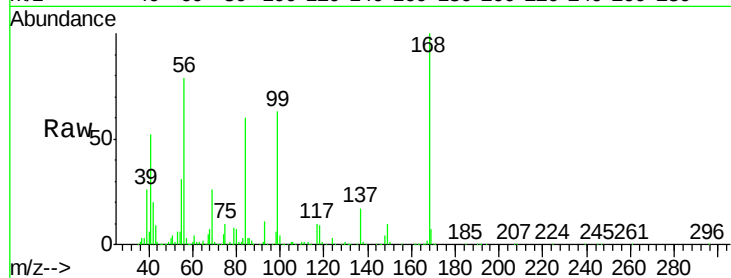
99 62.4 52.9 79.3

Manual Integrations

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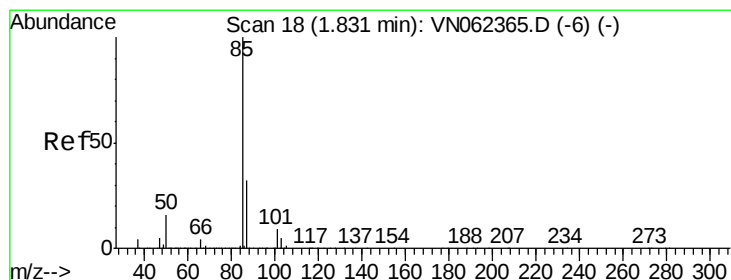
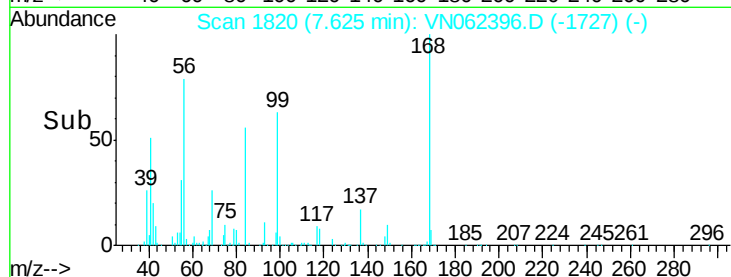
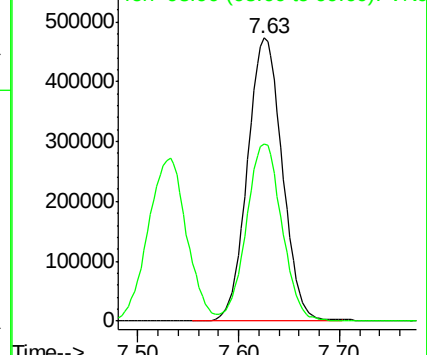
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 46.304 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062396.D

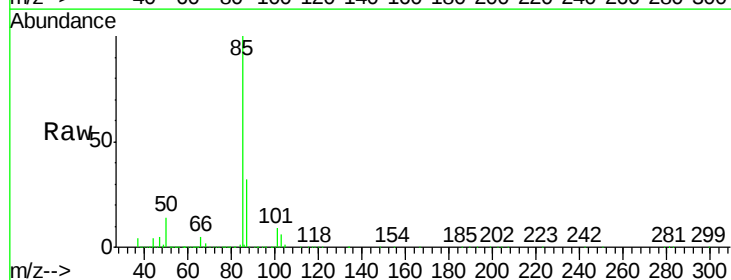
Acq: 7 Jul 2020 4:49

Tgt Ion: 85 Resp: 591679

Ion Ratio Lower Upper

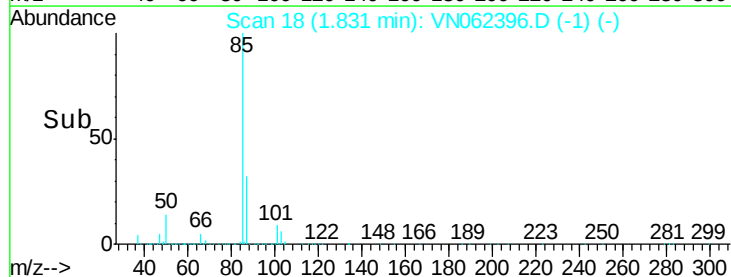
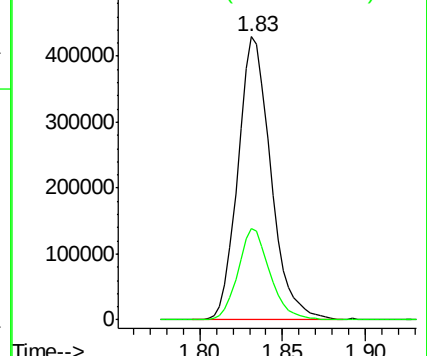
85 100

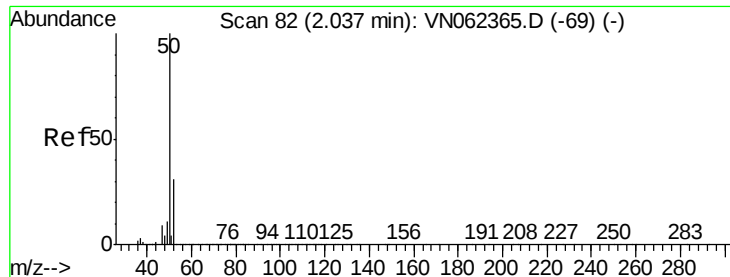
87 32.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 45.298 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 859927

Ion Ratio Lower Upper

50 100

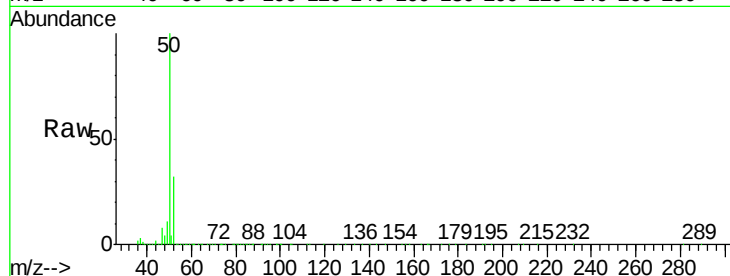
52 32.1 25.0 37.6

Manual Integrations

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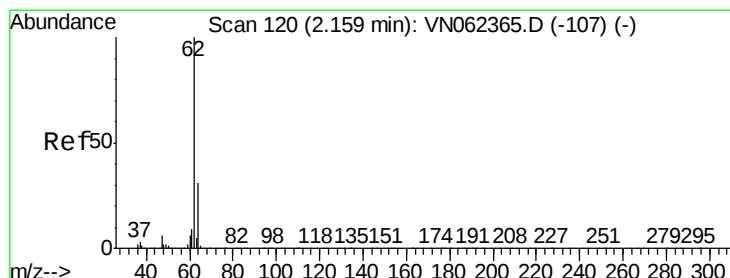
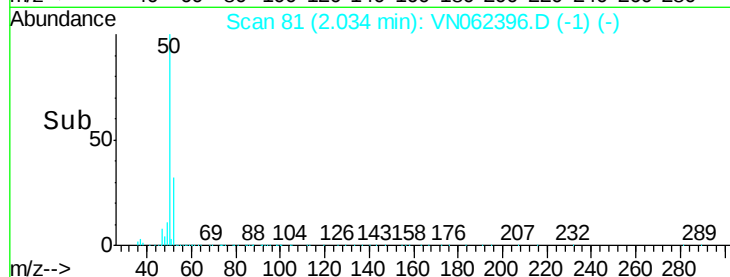
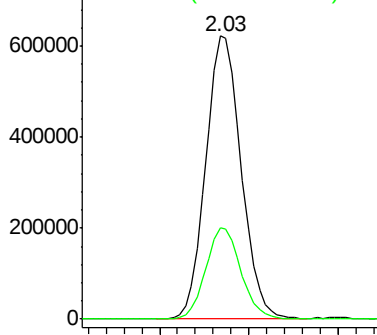
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.777 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062396.D

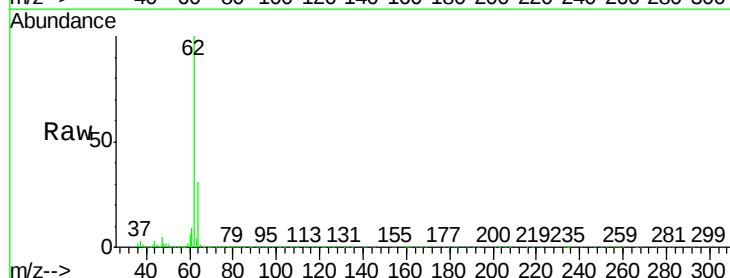
Acq: 7 Jul 2020 4:49

Tgt Ion: 62 Resp: 742072

Ion Ratio Lower Upper

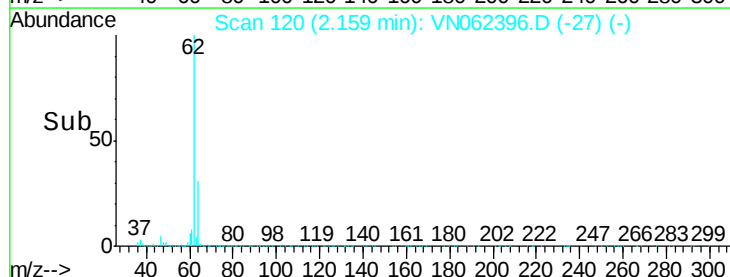
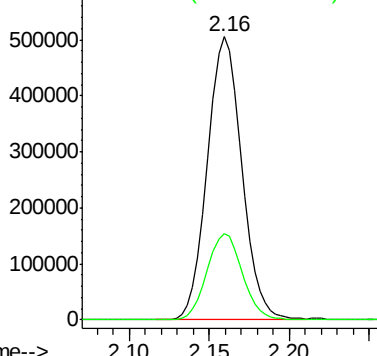
62 100

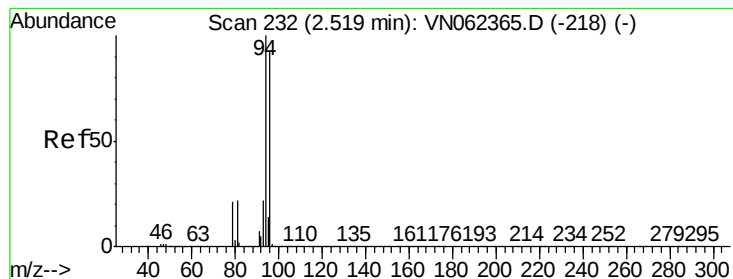
64 30.6 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 46.965 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Tot Ion: 94 Resp: 394807

Ion Ratio Lower Upper

94 100

96 96.2 74.7 112.1

Instrument :

MSVOA_N

ClientSampleId :

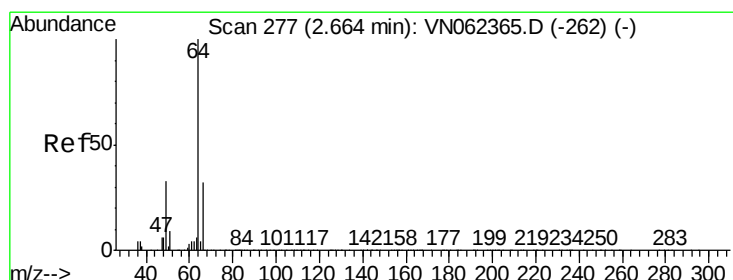
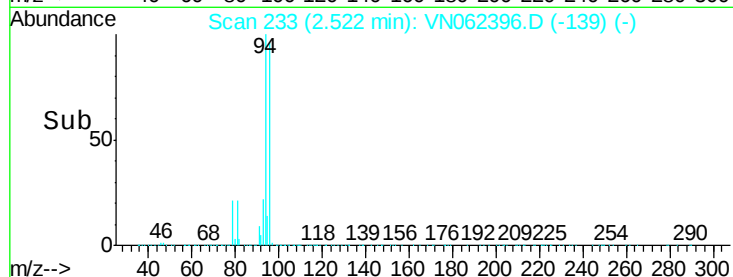
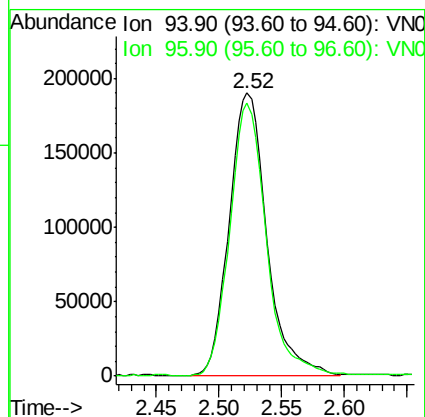
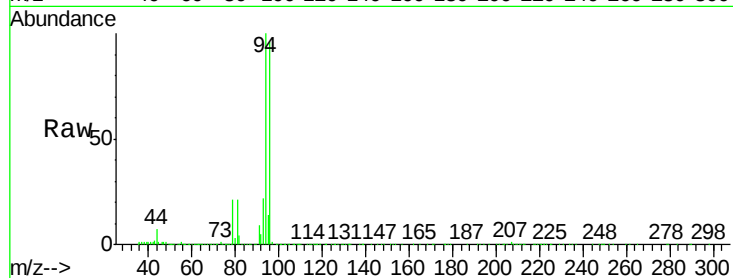
VSTDCCC050EC

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#6

Chloroethane

Concen: 46.840 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN062396.D

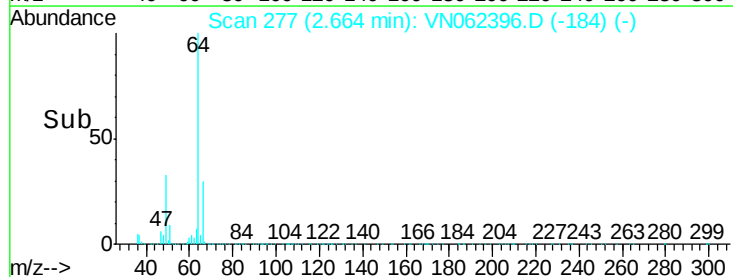
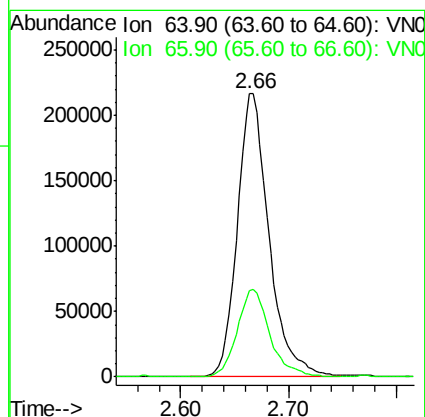
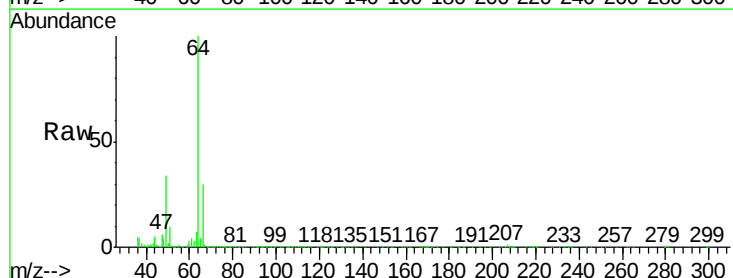
Acq: 7 Jul 2020 4:49

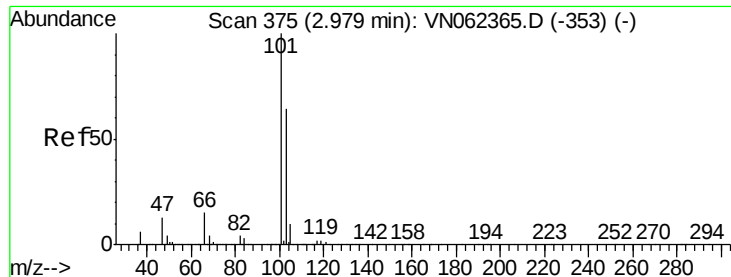
Tgt Ion: 64 Resp: 441415

Ion Ratio Lower Upper

64 100

66 30.1 25.7 38.5





#7

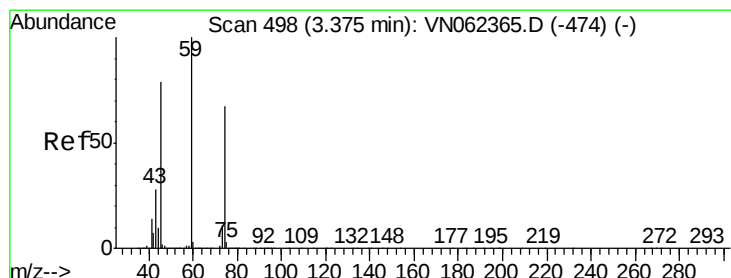
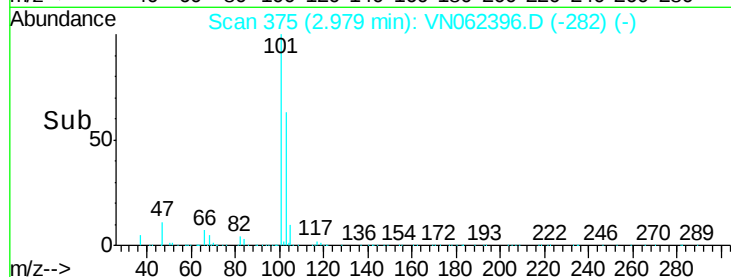
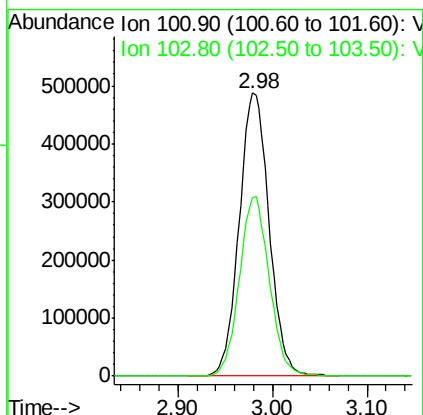
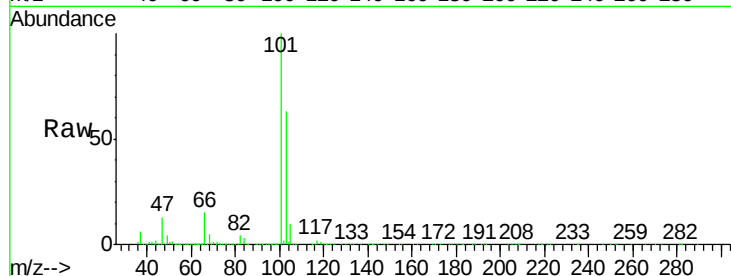
Trichlorofluoromethane
Concen: 47.926 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 1072310
Ion Ratio Lower Upper
101 100
103 63.0 51.0 76.6

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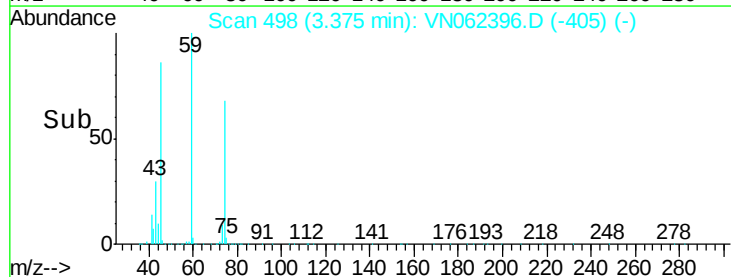
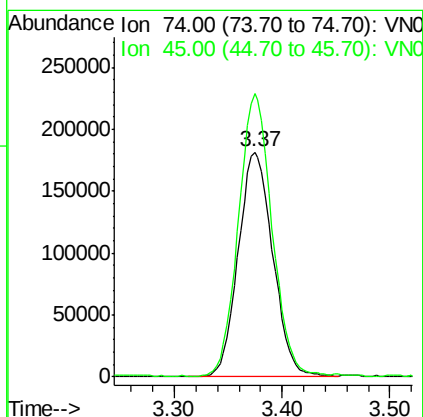
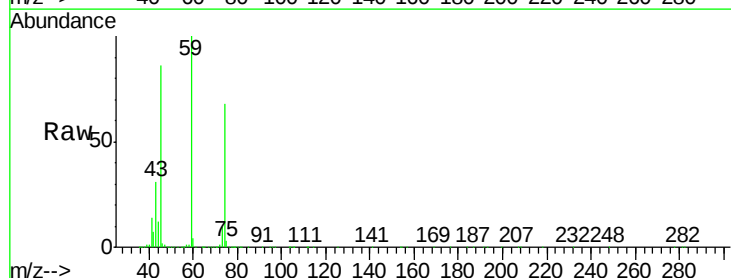
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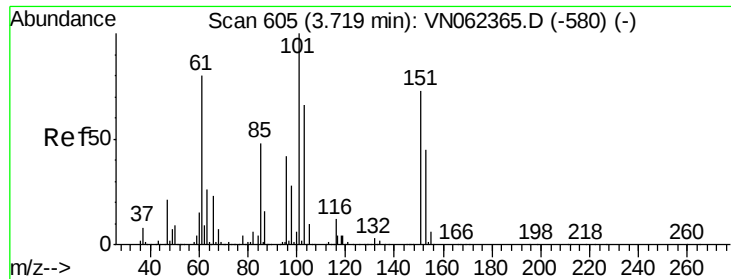


#8

Diethyl Ether
Concen: 46.887 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion: 74 Resp: 405302
Ion Ratio Lower Upper
74 100
45 122.0 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.115 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

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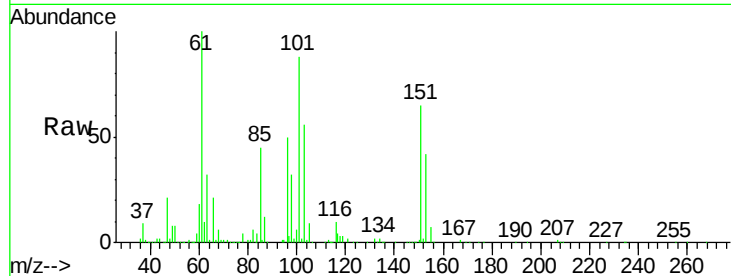
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VSTDCCC050EC

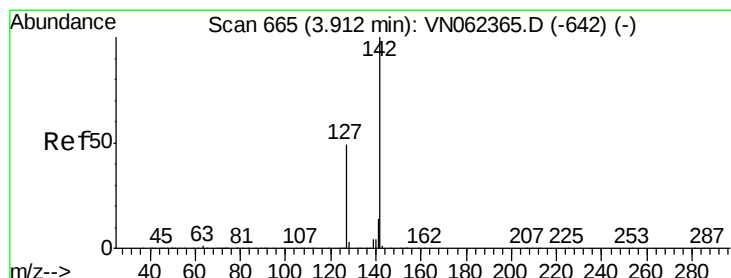
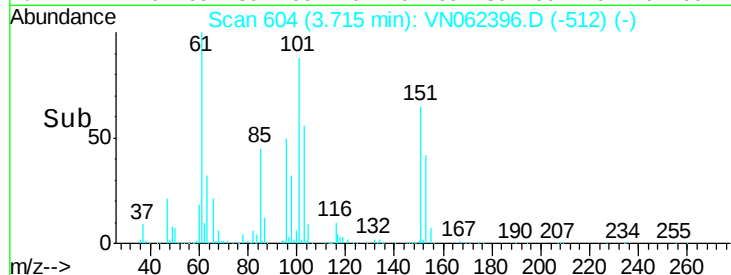
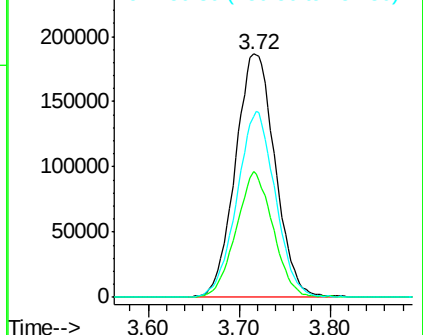
Tot Ion:	101	Resp:	564020
Ion Ratio	Lower	Upper	
101	100		
85	48.2	38.6	57.8
151	74.1	58.3	87.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.713 ug/l

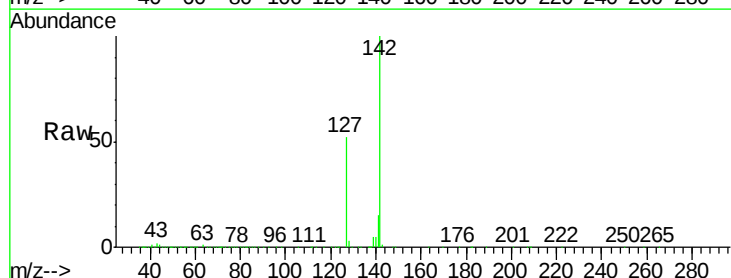
RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

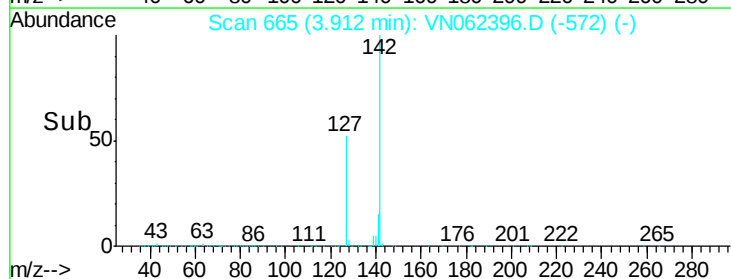
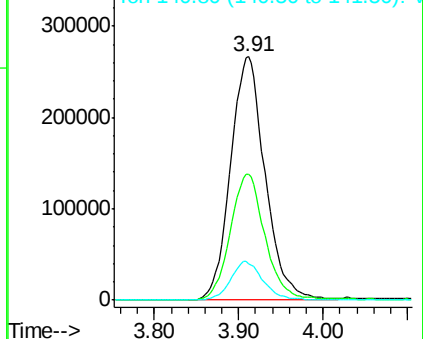
Lab File: VN062396.D

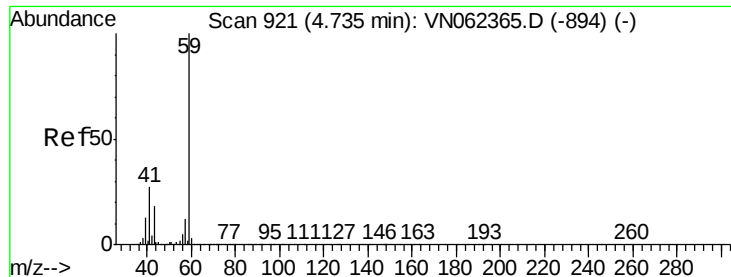
Acq: 7 Jul 2020 4:49

Tgt Ion:	142	Resp:	761222
Ion Ratio	Lower	Upper	
142	100		
127	51.8	41.0	61.6
141	14.9	11.8	17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

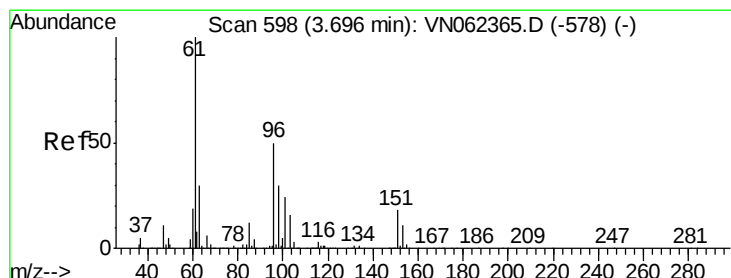
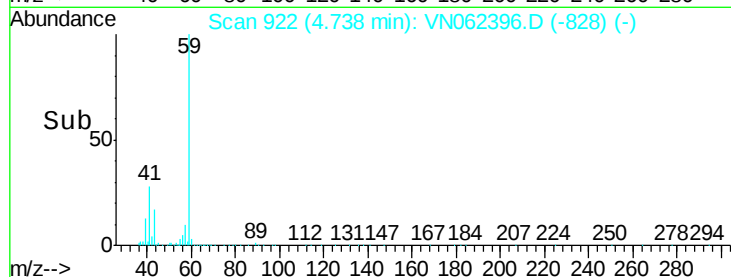
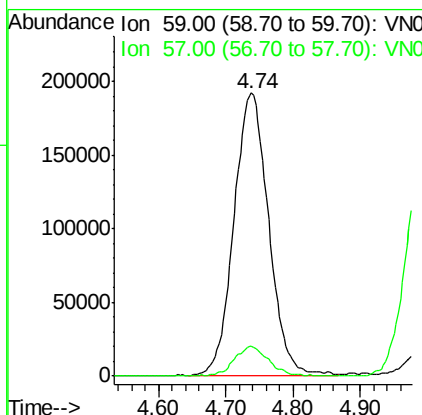
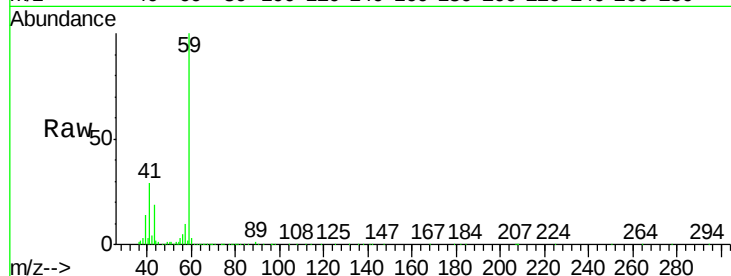
Tert butyl alcohol
 Concen: 242.503 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.5	12.7

Manual Integrations
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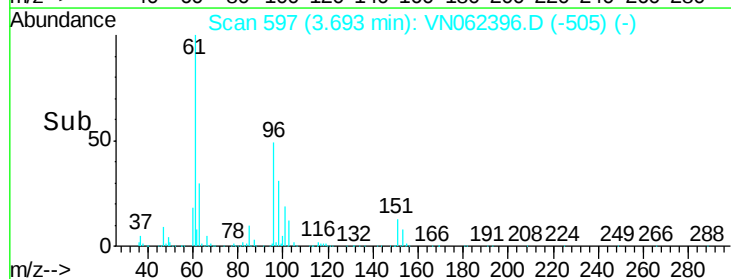
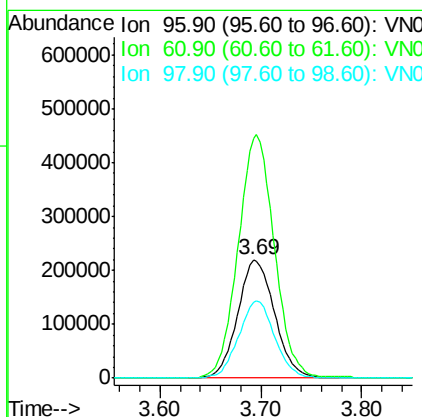
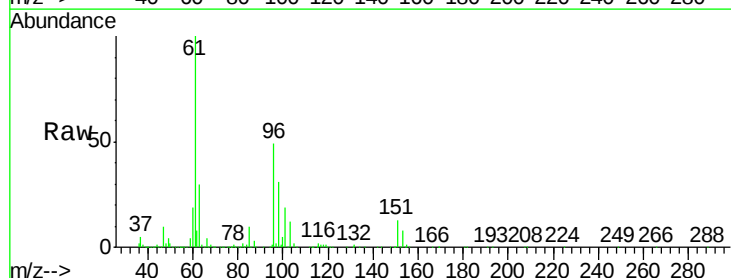
MMDadoda
 7/7/2020 10:07:55 AM

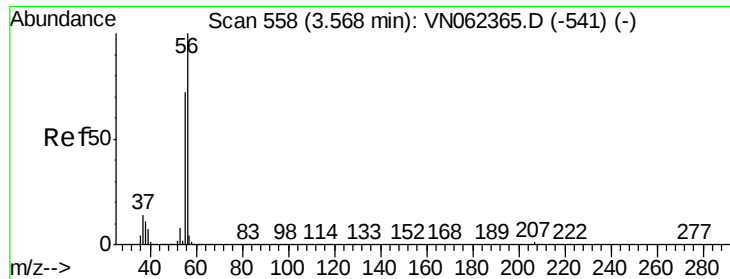


#12

1,1-Dichloroethene
 Concen: 47.761 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	203.0	161.4	242.0
98	63.7	48.8	73.2





#13

Acrolein

Concen: 244.294 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 293264

Ion Ratio Lower Upper

56 100

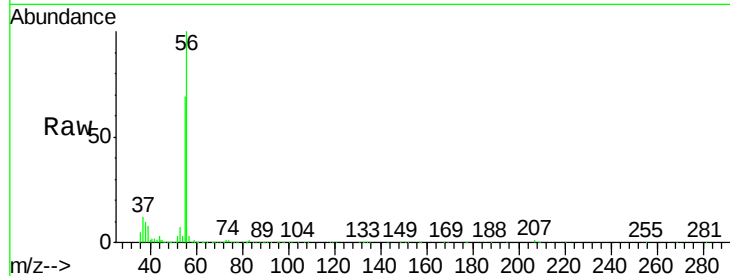
55 69.3 59.6 89.4

Manual Integrations

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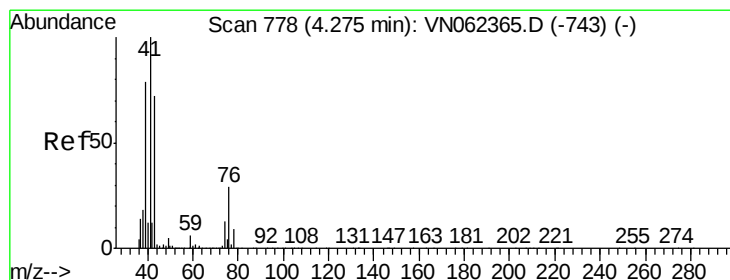
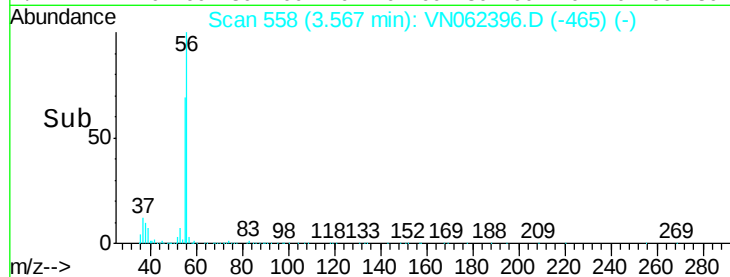
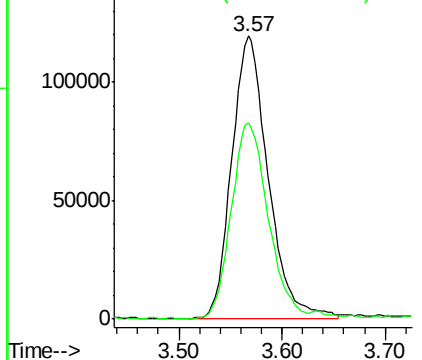
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.394 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

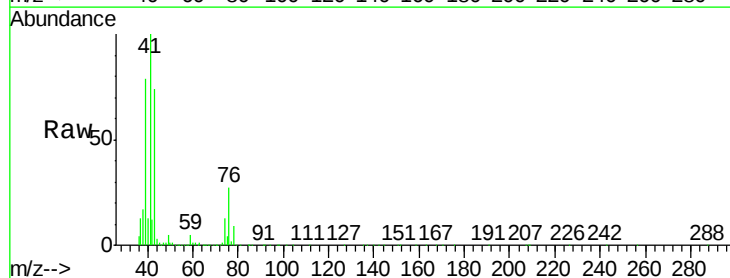
Tgt Ion: 41 Resp: 1368684

Ion Ratio Lower Upper

41 100

39 71.8 59.8 89.6

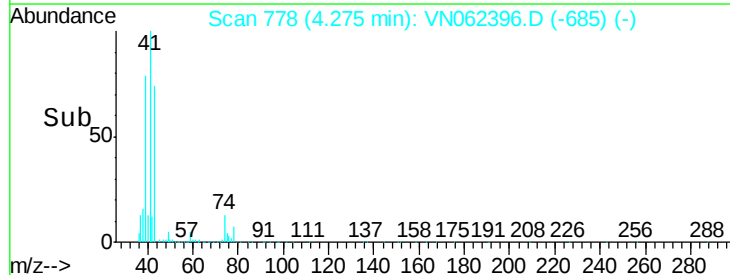
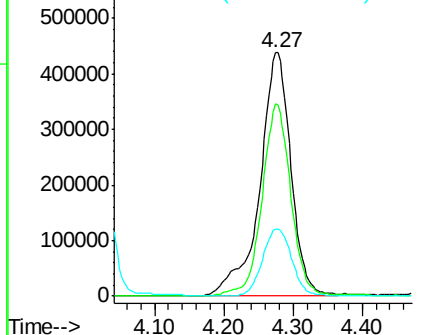
76 25.6 20.7 31.1

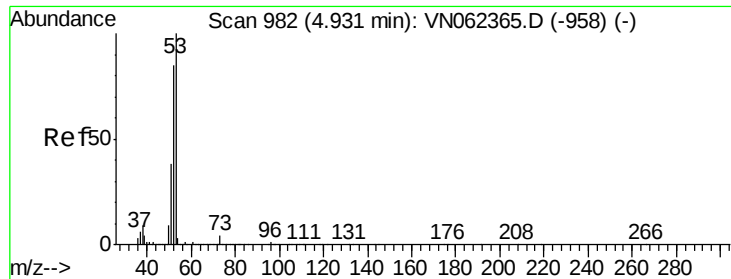


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 251.803 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1870133

Ion Ratio Lower Upper

53 100

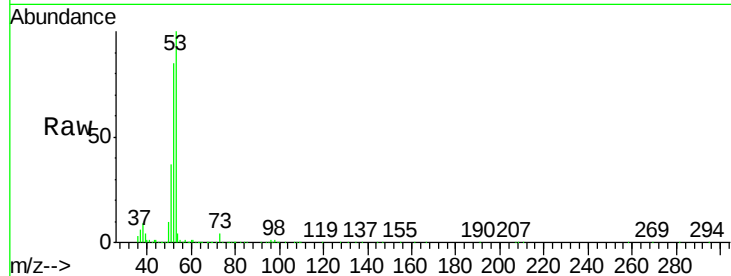
52 83.8 67.6 101.4

51 38.0 30.6 45.8

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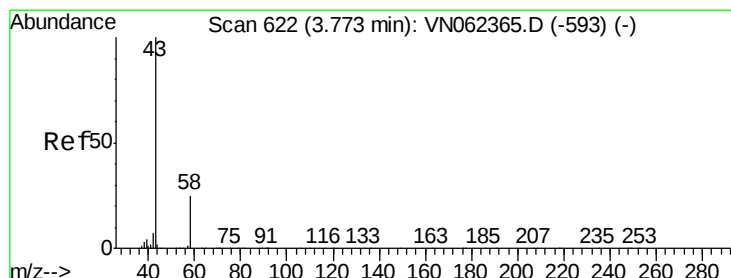
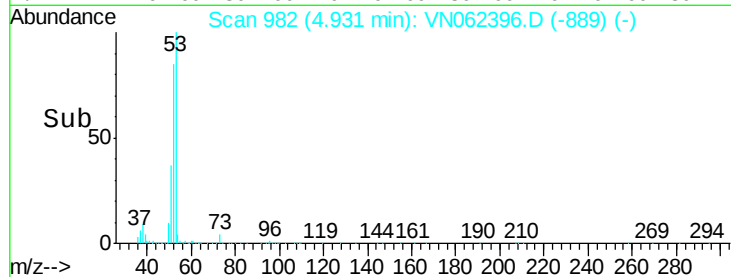
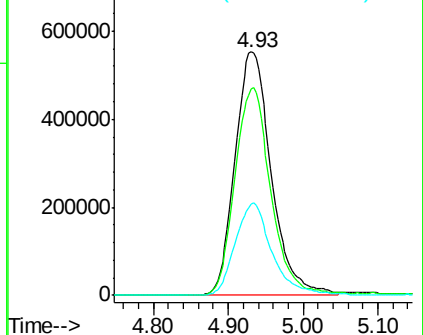
7/7/2020 10:07:55 AM



Abundance Ion 53.00 (52.70 to 53.70): VN062396.D (-889) (-)

Ion 52.00 (51.70 to 52.70): VN062396.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VN062396.D (-889) (-)



#16

Acetone

Concen: 196.753 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062396.D

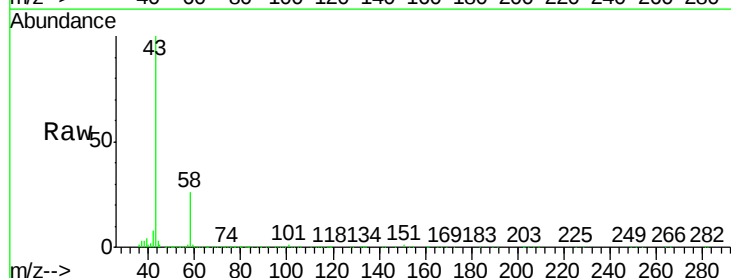
Acq: 7 Jul 2020 4:49

Tgt Ion: 43 Resp: 1852791

Ion Ratio Lower Upper

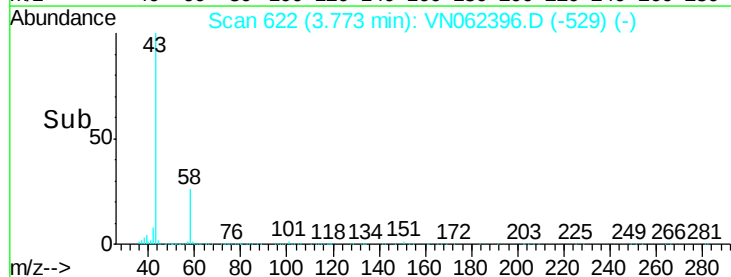
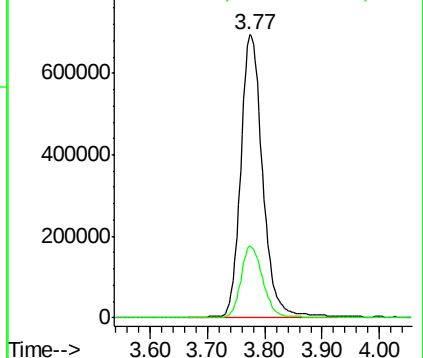
43 100

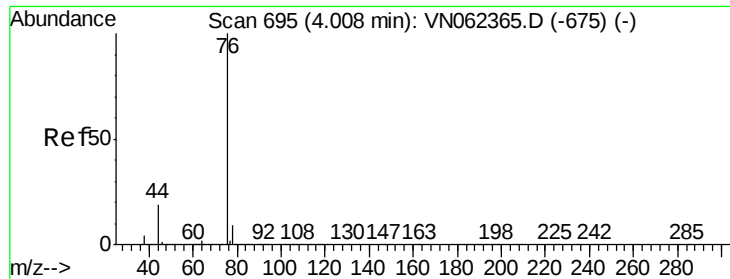
58 25.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN062396.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062396.D (-529) (-)





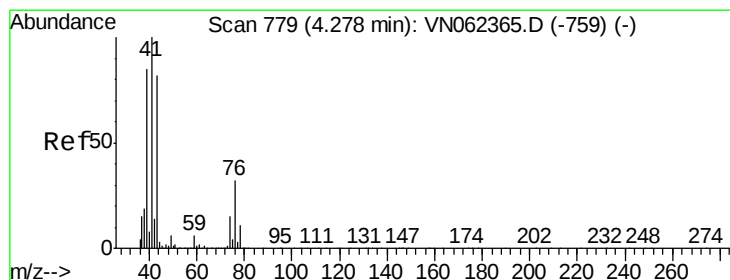
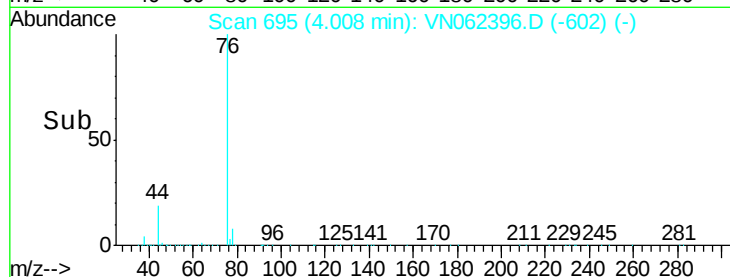
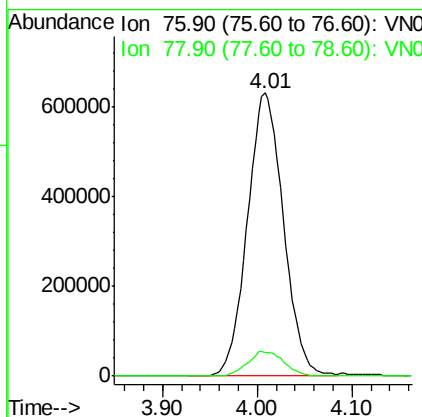
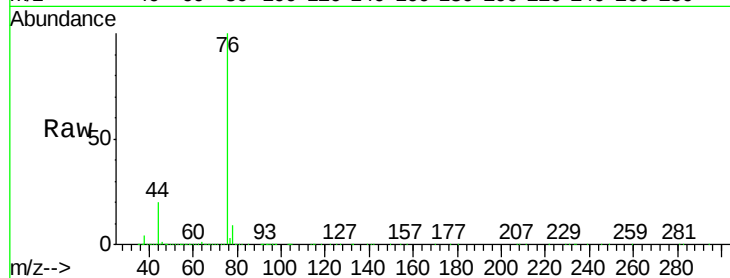
#17
Carbon Disulfide
Concen: 45.392 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1667959
Ion Ratio Lower Upper
76 100
78 8.5 6.9 10.3

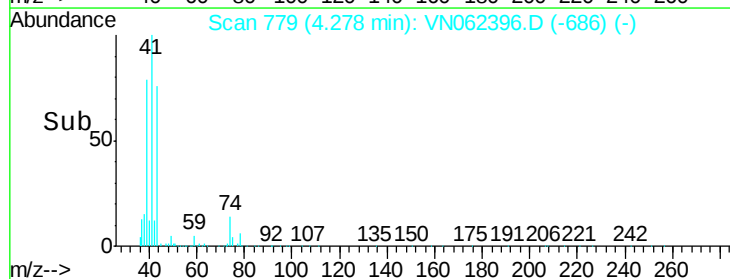
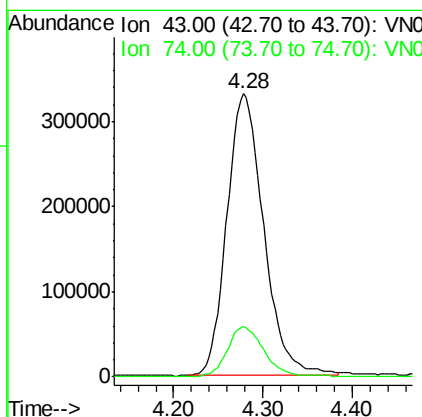
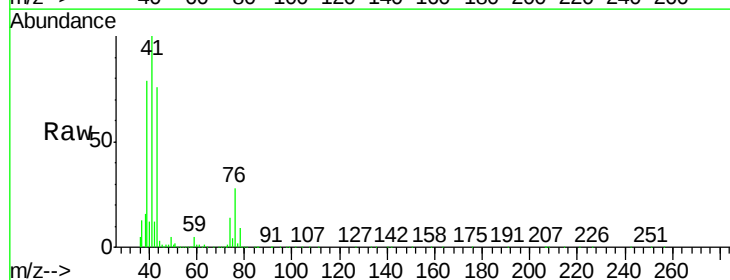
Manual Integrations
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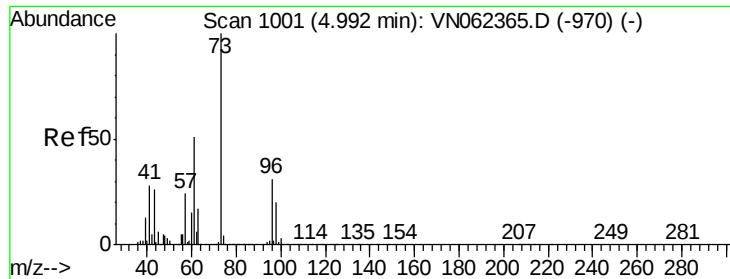
MMDadoda
7/7/2020 10:07:55 AM



#18
Methyl Acetate
Concen: 50.554 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion: 43 Resp: 948899
Ion Ratio Lower Upper
43 100
74 17.8 14.2 21.4





#19

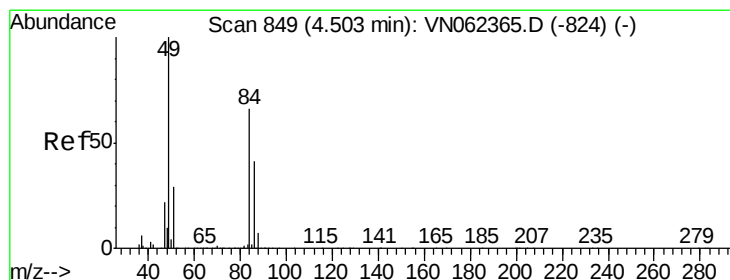
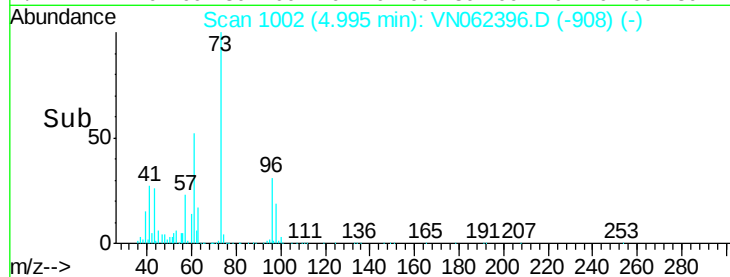
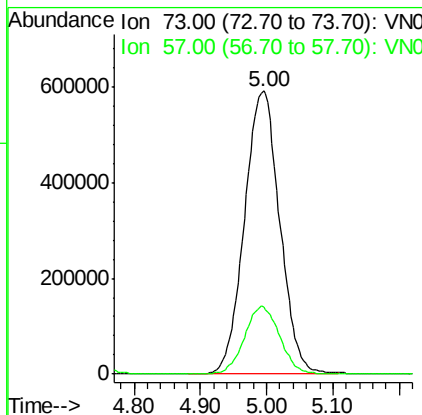
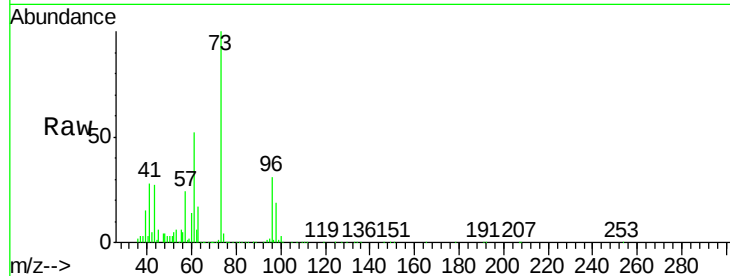
Methyl tert-butyl Ether
 Concen: 49.084 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 2180072
 Ion Ratio Lower Upper
 73 100
 57 23.8 18.9 28.3

Manual Integrations
 APPROVED

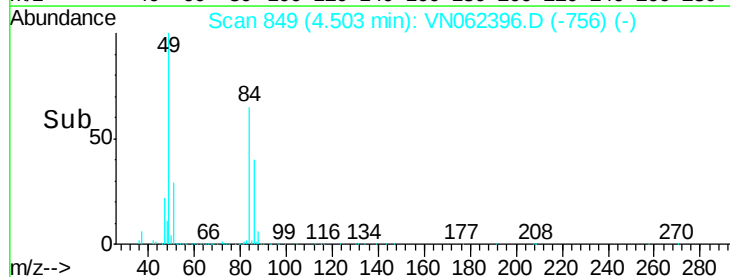
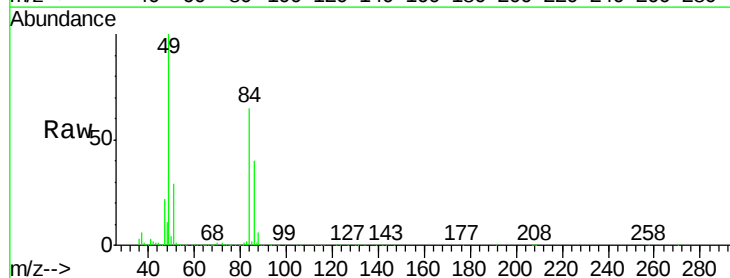
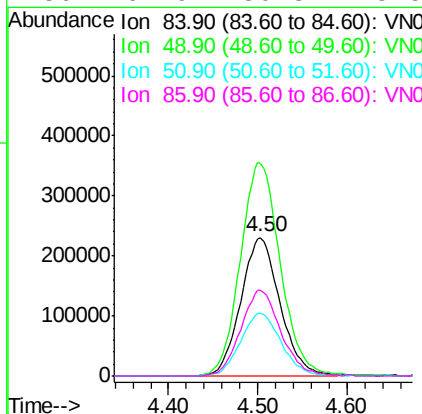
MMDadoda
 7/7/2020 10:07:55 AM

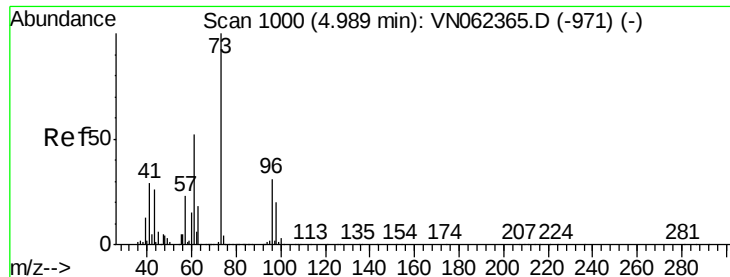


#20

Methylene Chloride
 Concen: 51.342 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Tgt Ion: 84 Resp: 707058
 Ion Ratio Lower Upper
 84 100
 49 153.3 121.8 182.6
 51 44.9 35.0 52.4
 86 61.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 48.414 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 620493

Ion Ratio Lower Upper

96 100

61 161.1 134.7 202.1

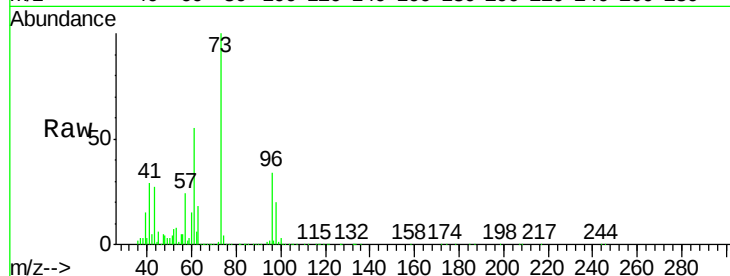
98 59.4 52.2 78.4

Manual Integrations

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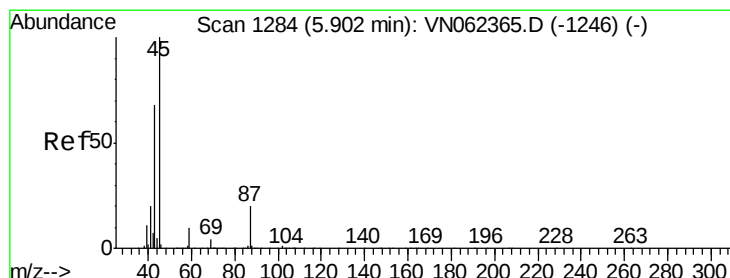
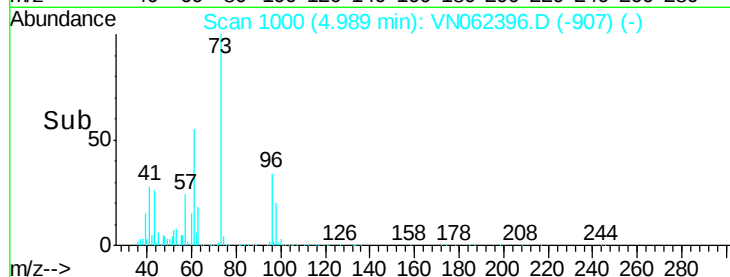
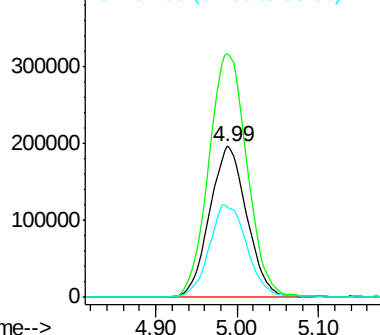


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.267 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Tgt Ion: 45 Resp: 2843527

Ion Ratio Lower Upper

45 100

43 67.1 54.6 81.8

87 21.3 16.6 24.8

59 10.0 7.7 11.5

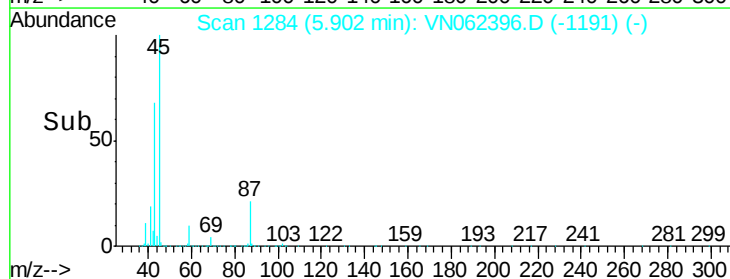
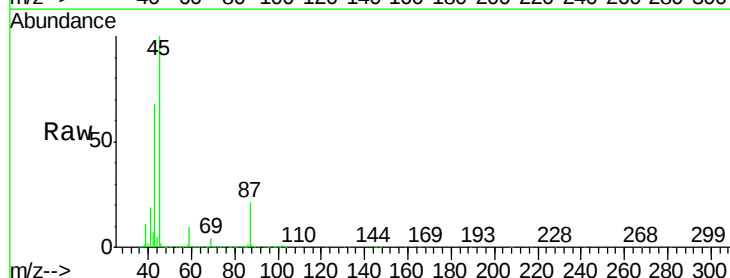
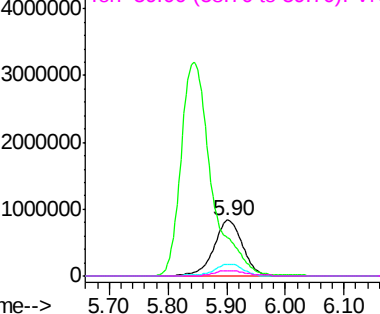
Abundance

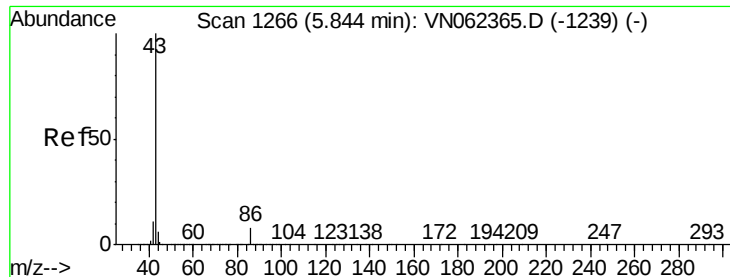
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 254.400 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 11552029

Ion Ratio Lower Upper

43 100

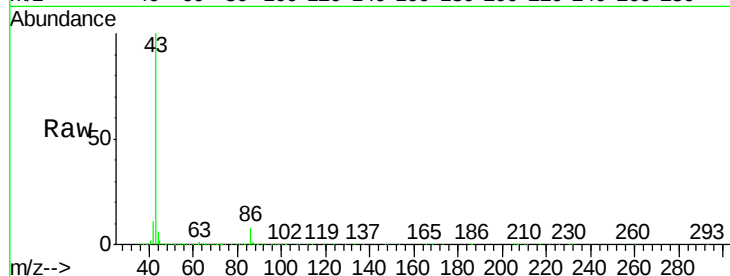
86 8.5 6.6 9.8

Manual Integrations

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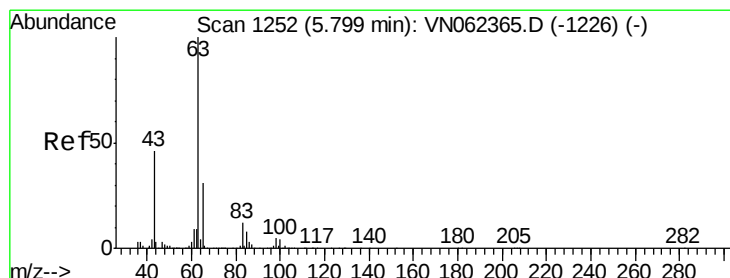
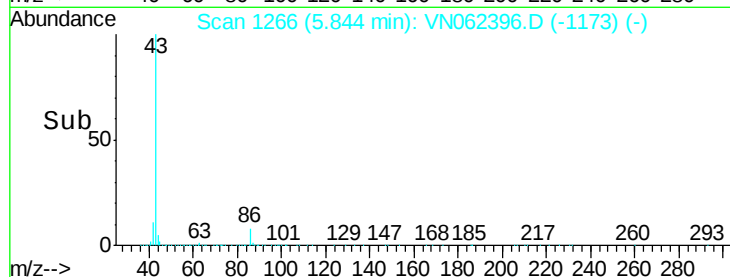
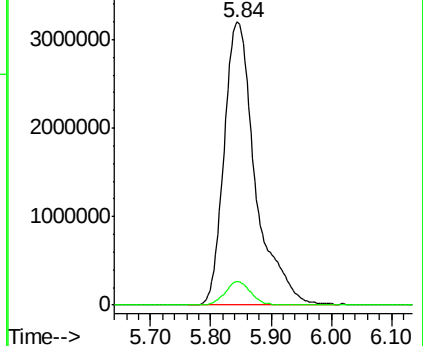
MMDadoda

7/7/2020 10:07:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.747 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

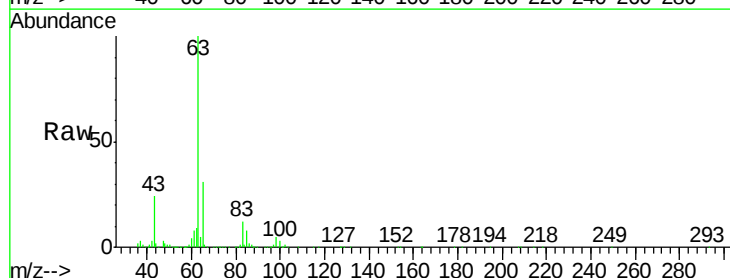
Tgt Ion: 63 Resp: 1366510

Ion Ratio Lower Upper

63 100

98 5.3 2.6 7.8

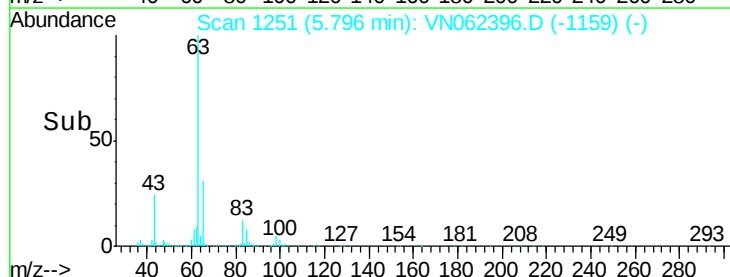
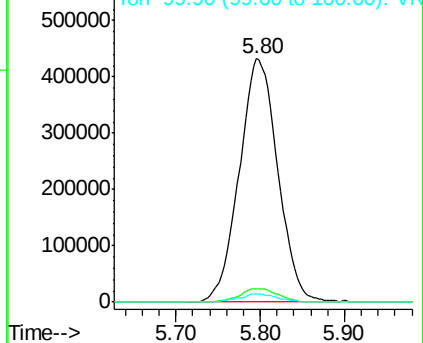
100 3.3 1.8 5.3

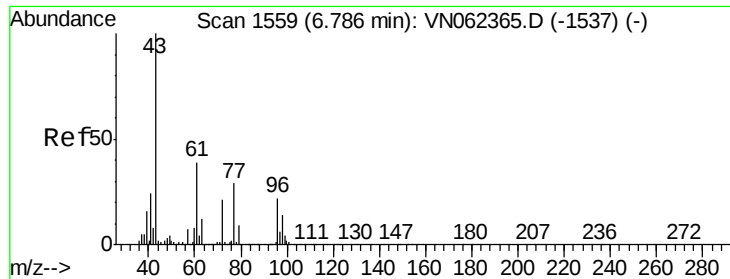


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 236.168 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2800671

Ion Ratio Lower Upper

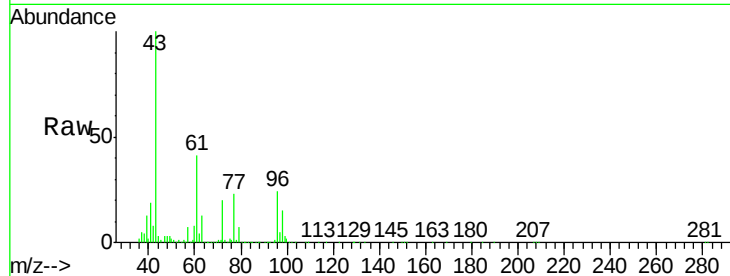
43 100

72 20.3 16.4 24.6

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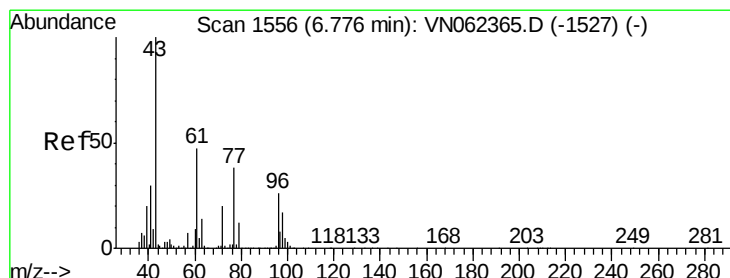
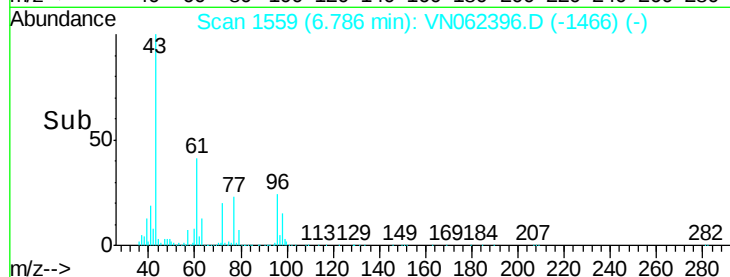
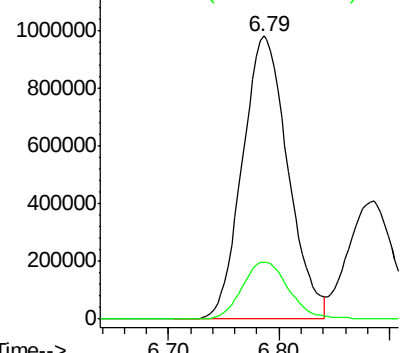
MMDadoda

7/7/2020 10:07:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 35.578 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062396.D

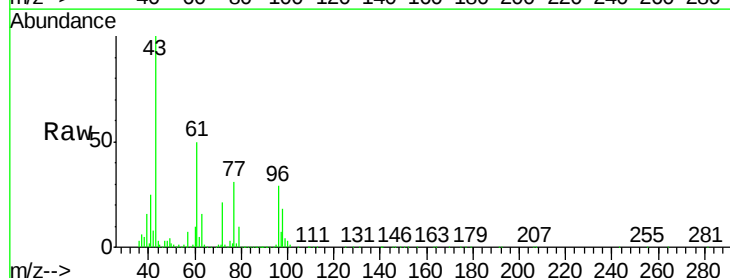
Acq: 7 Jul 2020 4:49

Tgt Ion: 77 Resp: 821511

Ion Ratio Lower Upper

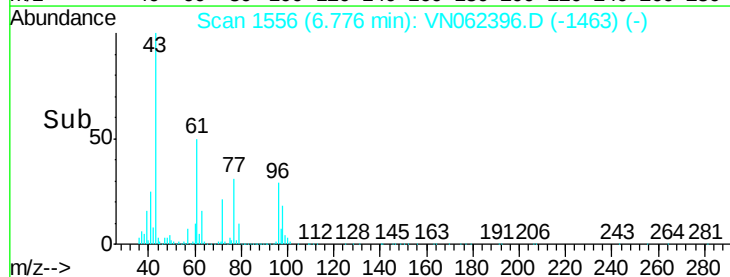
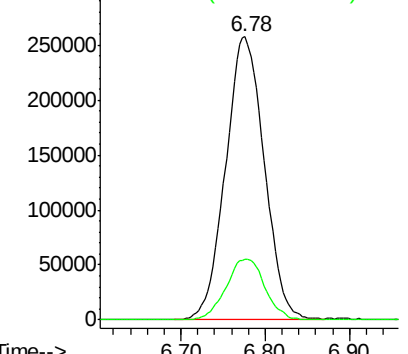
77 100

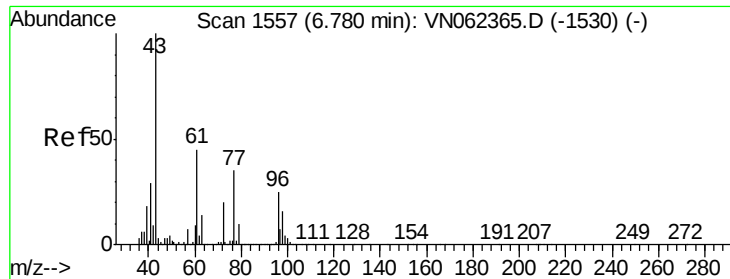
97 21.6 10.1 30.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





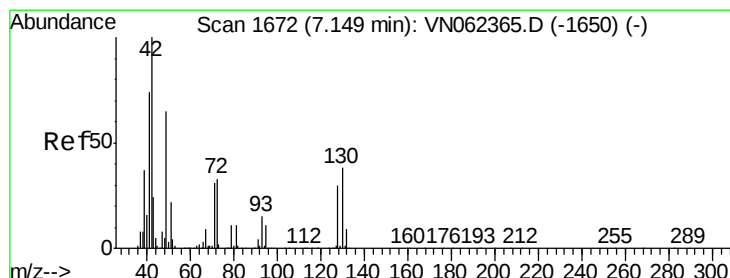
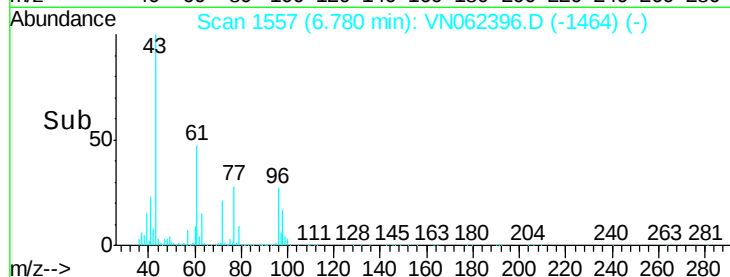
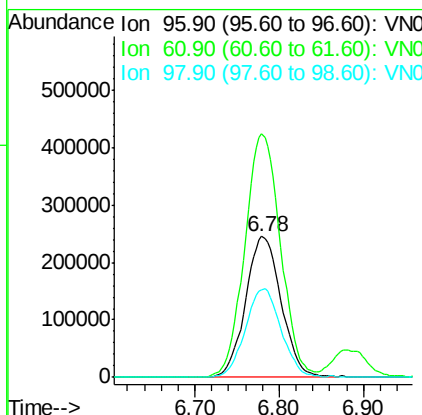
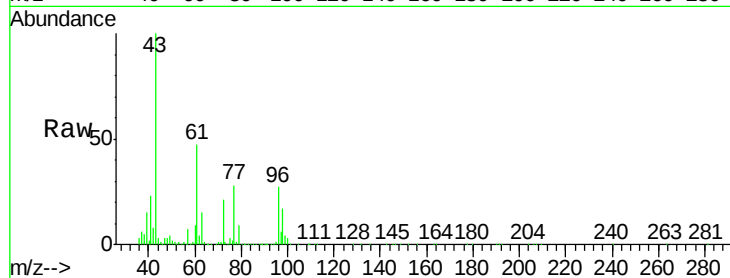
#27
 cis-1,2-Dichloroethene
 Concen: 49.156 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.2	0.0	358.8
98	62.9	0.0	130.6

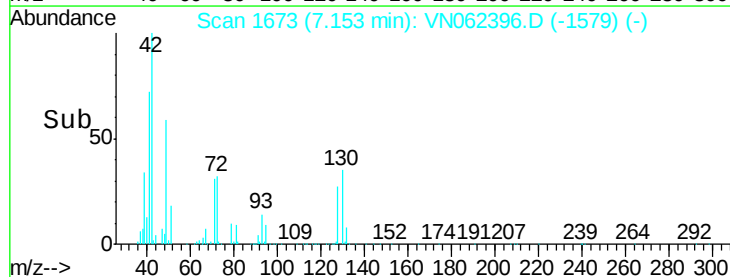
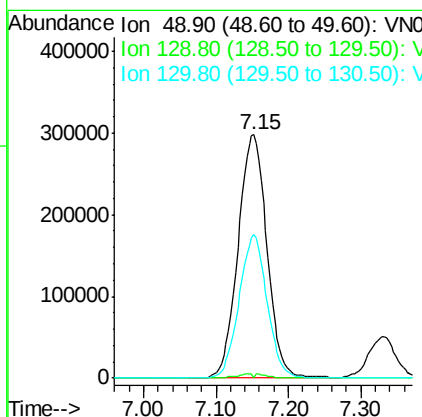
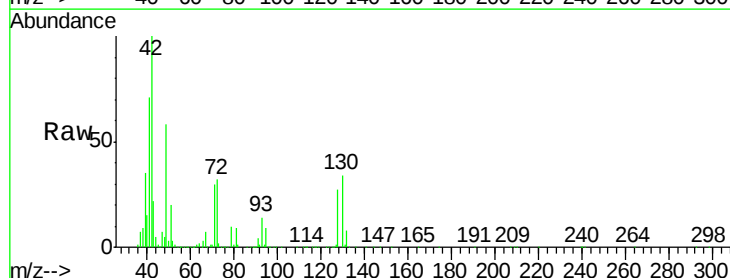
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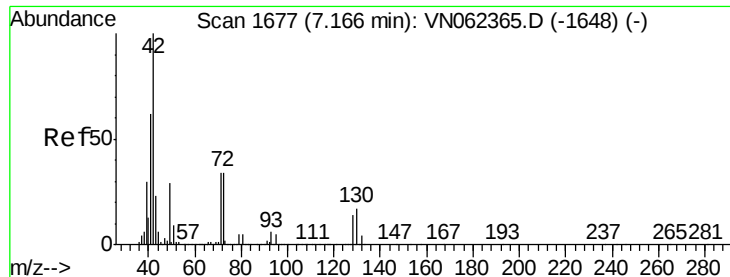
MMDadoda
 7/7/2020 10:07:55 AM



#28
 Bromochloromethane
 Concen: 52.657 ug/l
 RT: 7.15 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.6
130	56.8	45.8	68.8





#29

Tetrahydrofuran

Concen: 258.309 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

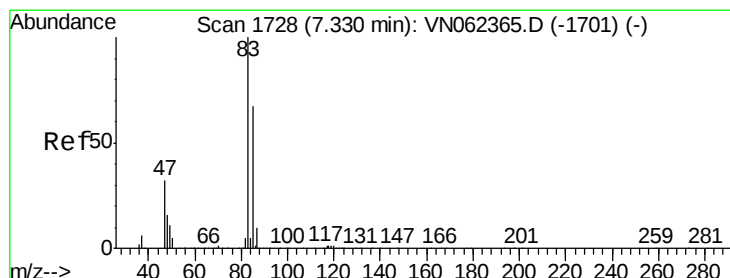
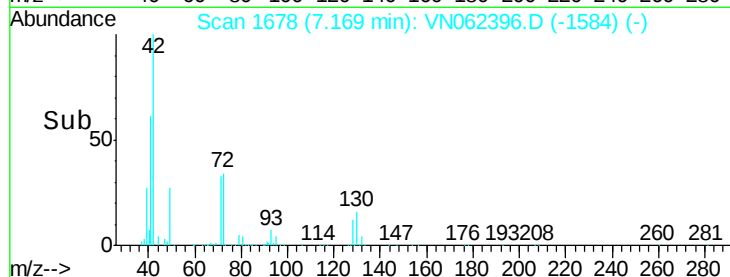
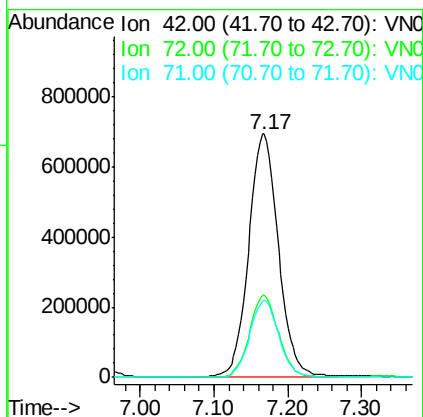
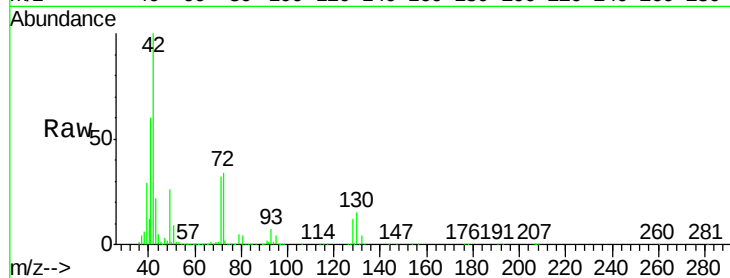
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	1946964
Ion	Ratio	Lower	Upper
42	100		
72	32.8	26.8	40.2
71	31.0	26.0	39.0

Manual Integrations
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#30

Chloroform

Concen: 48.284 ug/l

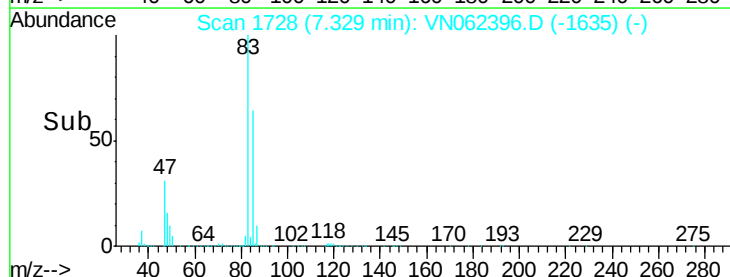
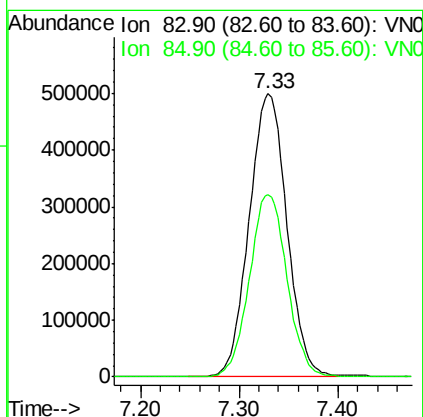
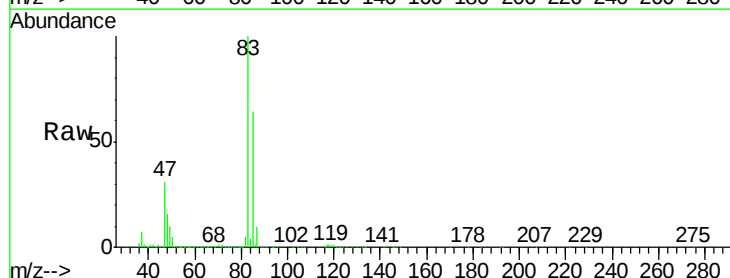
RT: 7.33 min Scan# 1728

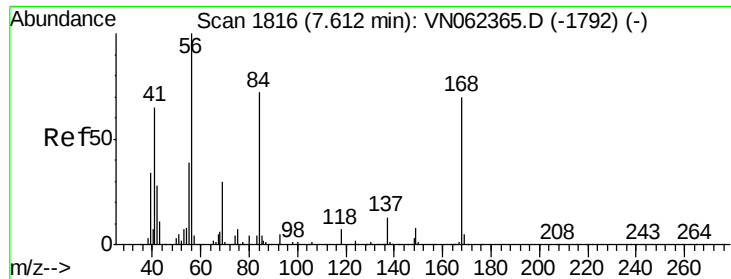
Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Tgt Ion:	83	Resp:	1317214
Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.6	80.4





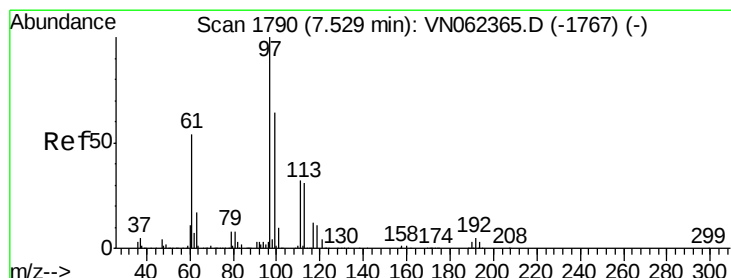
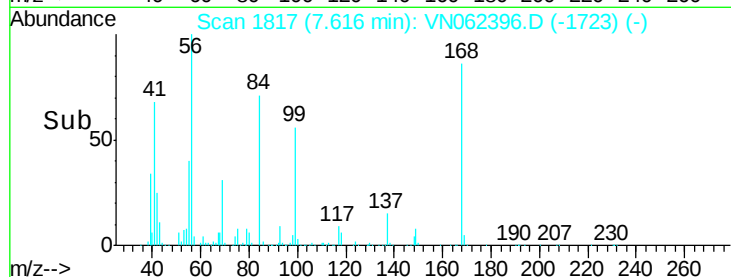
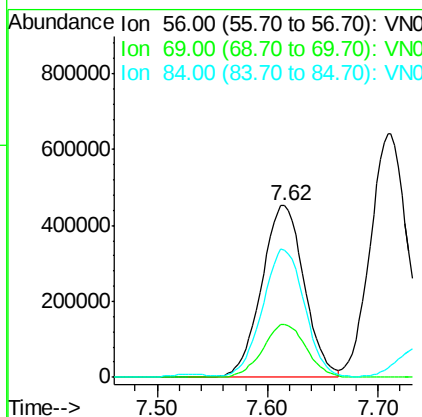
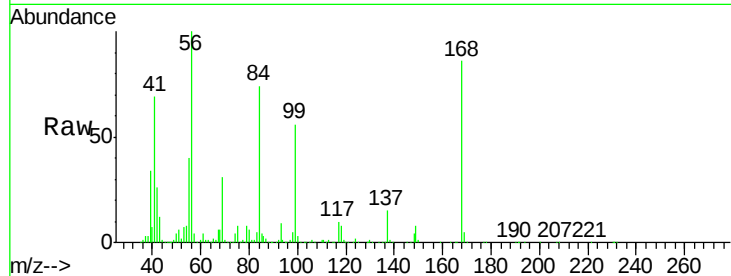
#31
Cyclohexane
Concen: 46.737 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 1210541
Ion Ratio Lower Upper
56 100
69 30.9 23.7 35.5
84 72.6 57.2 85.8

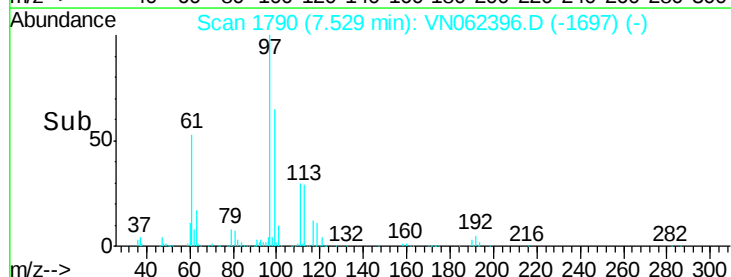
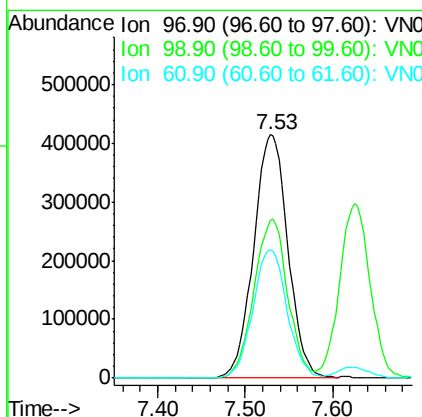
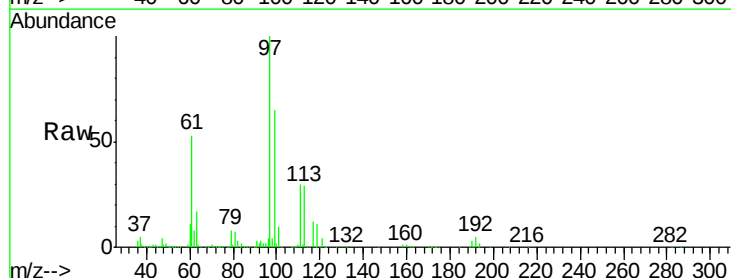
Manual Integrations
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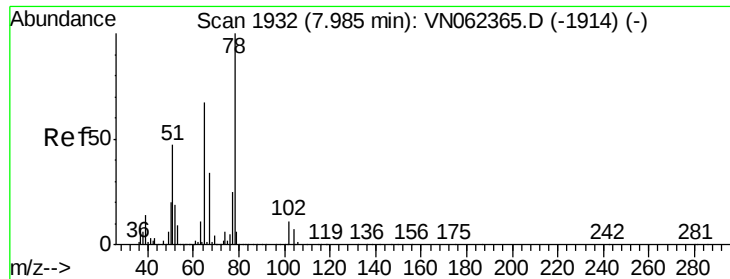
MMDadoda
7/7/2020 10:07:55 AM



#32
1,1,1-Trichloroethane
Concen: 49.000 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion: 97 Resp: 1123251
Ion Ratio Lower Upper
97 100
99 64.4 51.1 76.7
61 52.4 42.5 63.7





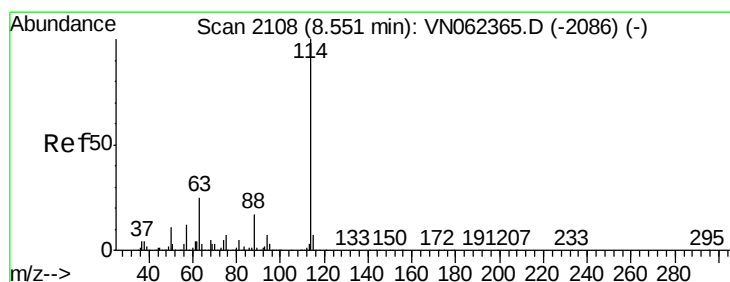
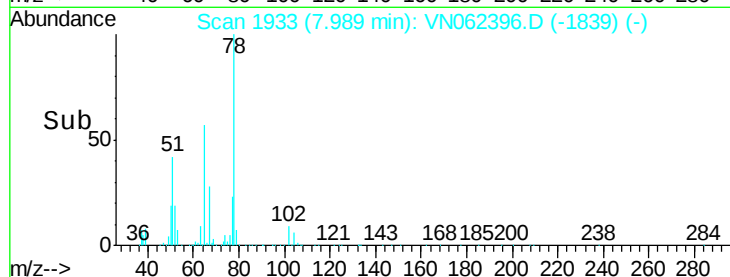
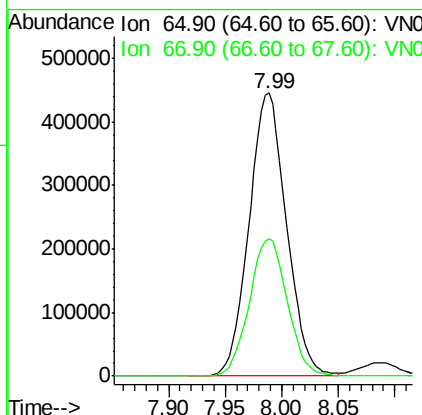
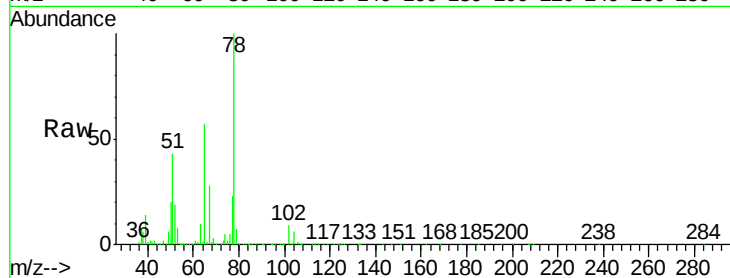
#33
 1,2-Dichloroethane-d4
 Concen: 50.146 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 1024275
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 101.0

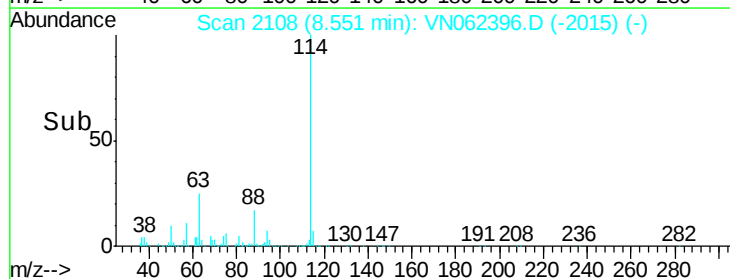
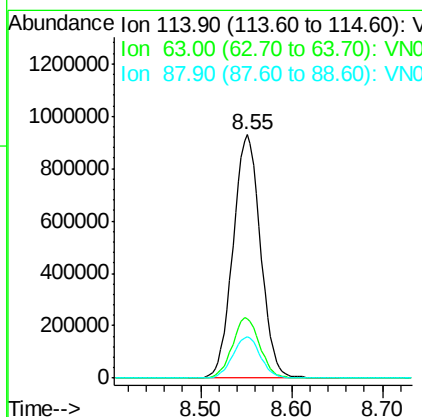
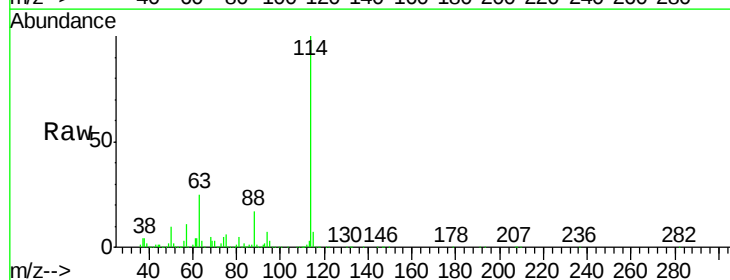
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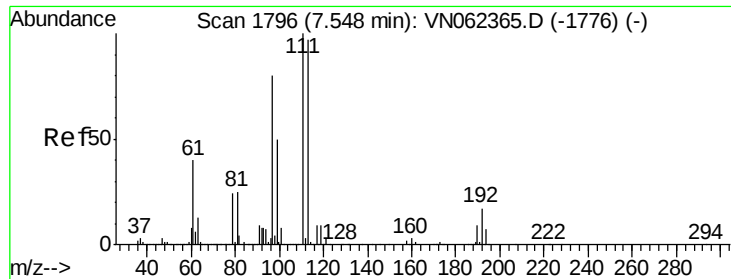
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Tgt Ion: 114 Resp: 1948020
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.0
 88 17.0 0.0 34.0





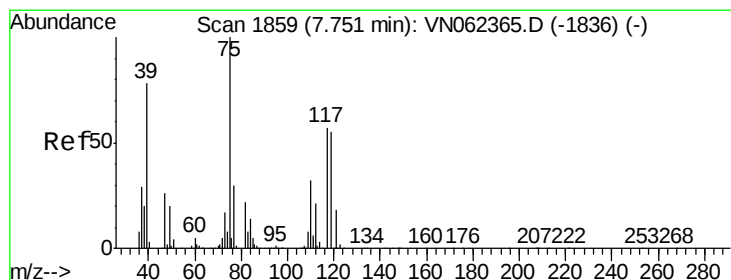
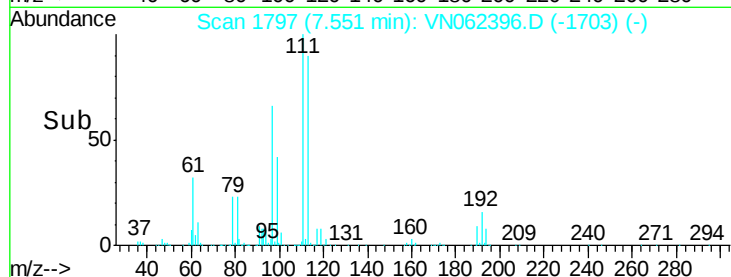
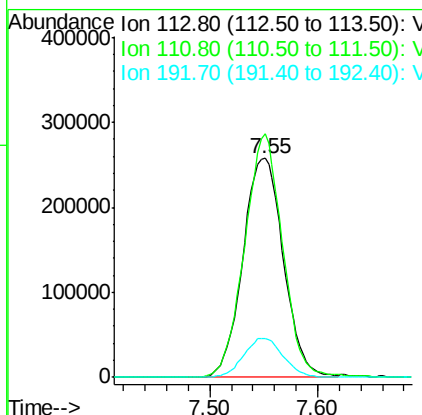
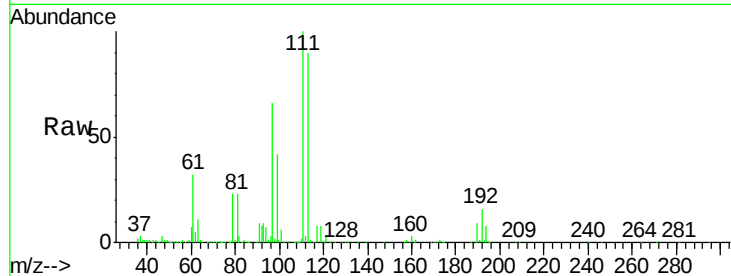
#35
 Dibromofluoromethane
 Concen: 50.701 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.2	124.8
192	17.6	14.2	21.2

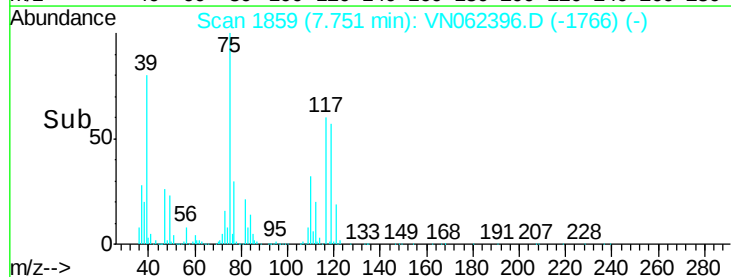
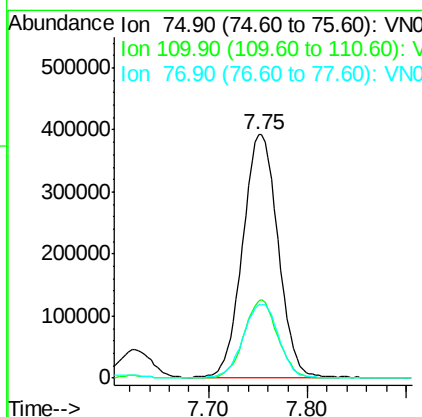
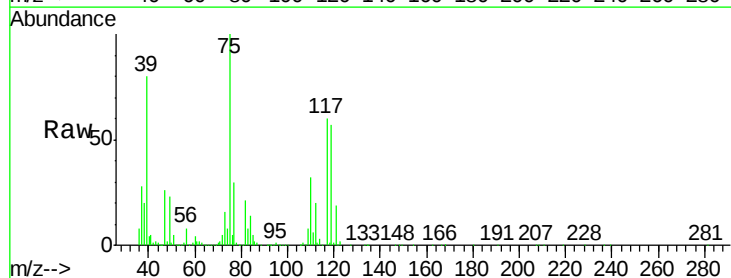
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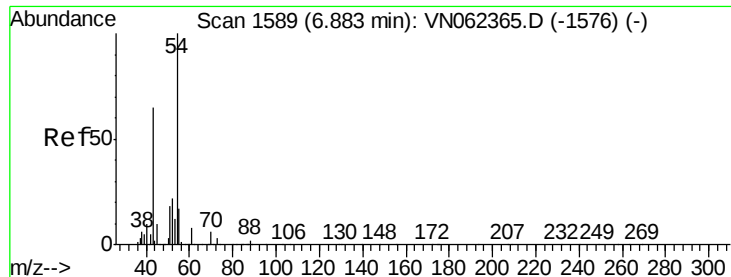
MMDadoda
 7/7/2020 10:07:55 AM



#36
 1,1-Dichloropropene
 Concen: 47.269 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.7	15.7	47.1
77	30.7	24.3	36.5





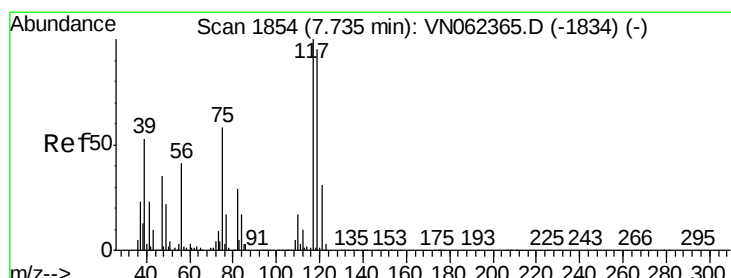
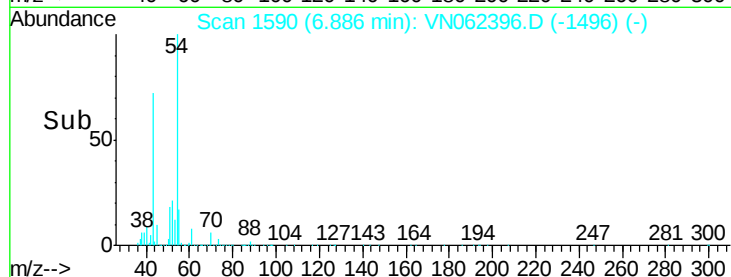
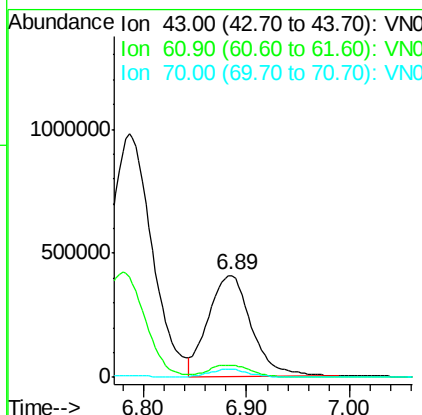
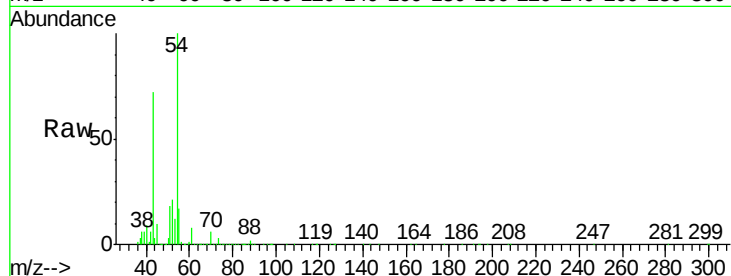
#37
Ethyl Acetate
Concen: 48.914 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	8.8	13.2
70	7.4	6.2	9.4

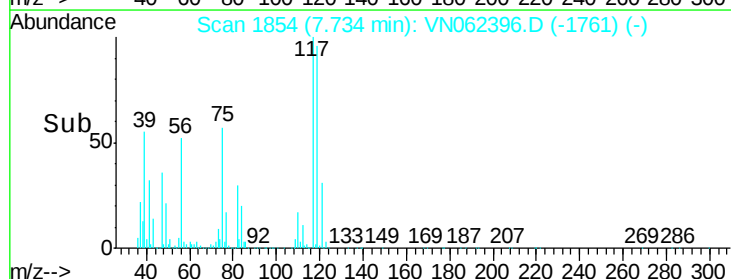
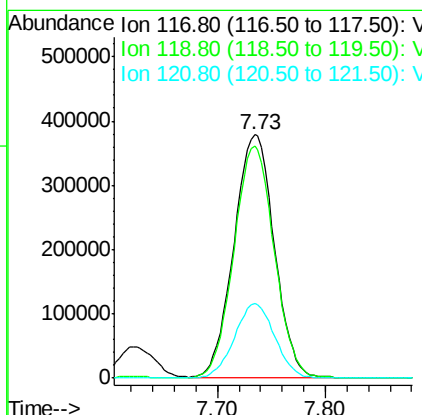
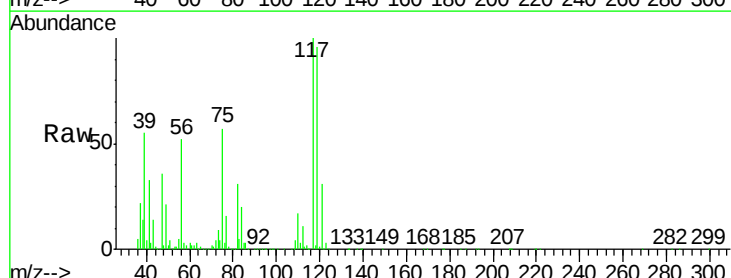
Manual Integrations
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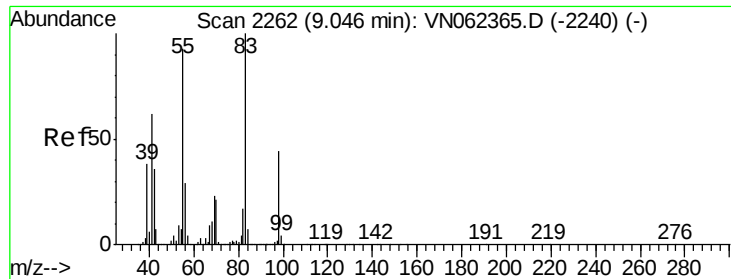
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.725 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.9	113.9
121	30.6	24.6	36.8





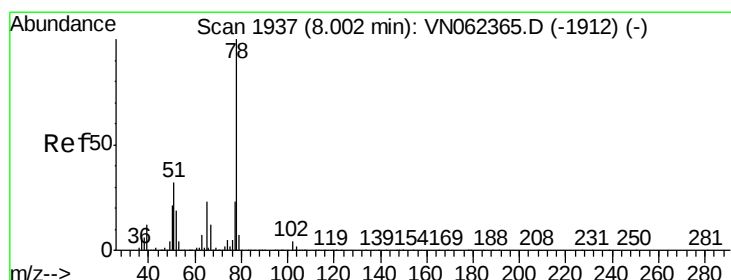
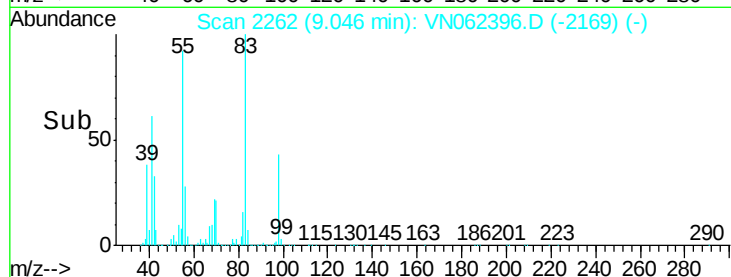
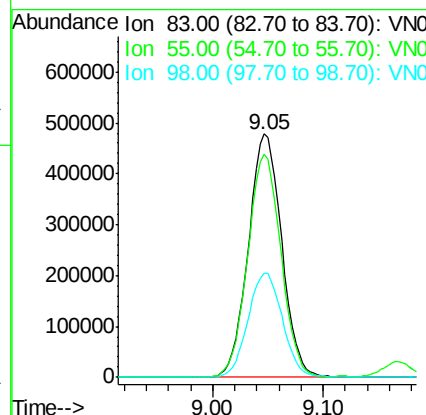
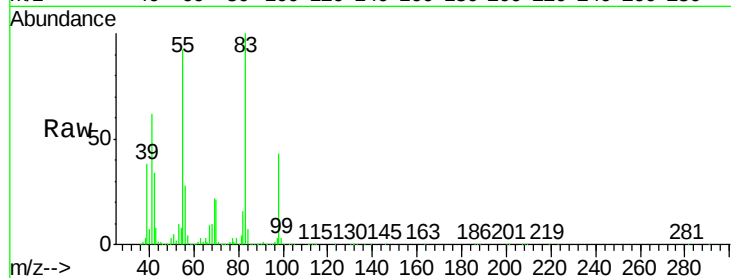
#39
Methylvlcvclohexane
Concen: 45.512 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.4	74.1	111.1
98	42.8	35.6	53.4

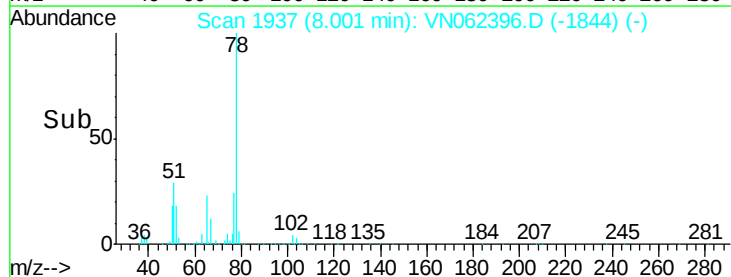
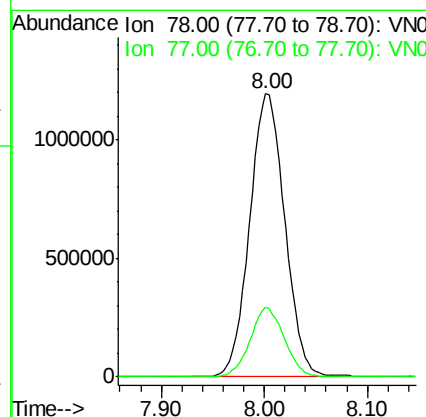
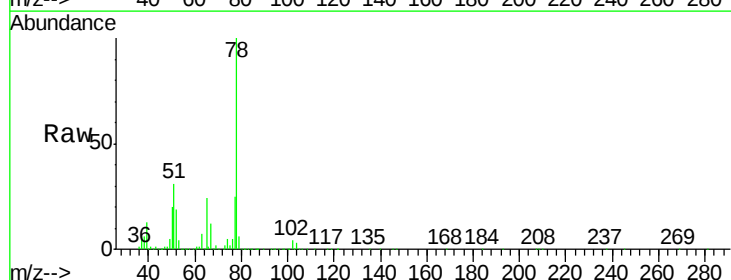
Manual Integrations
APPROVED

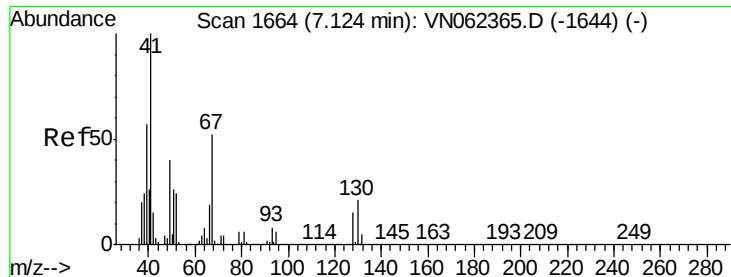
MMDadoda
7/7/2020 10:07:55 AM



#40
Benzene
Concen: 48.524 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.6	28.0





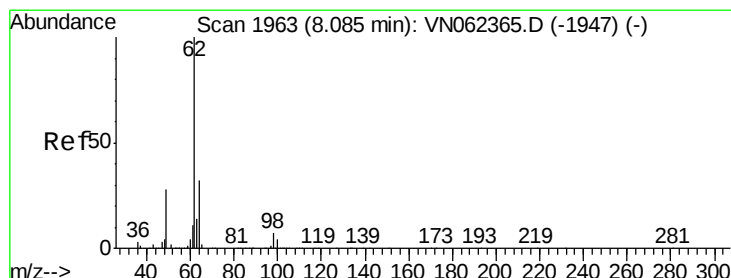
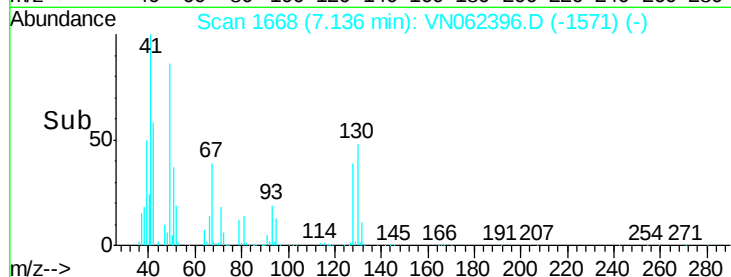
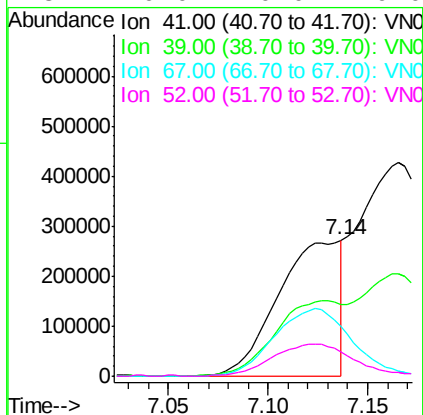
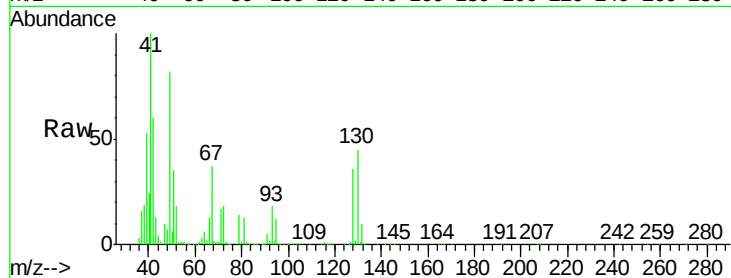
#41
Methacrylonitrile
Concen: 48.649 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. 0.01 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

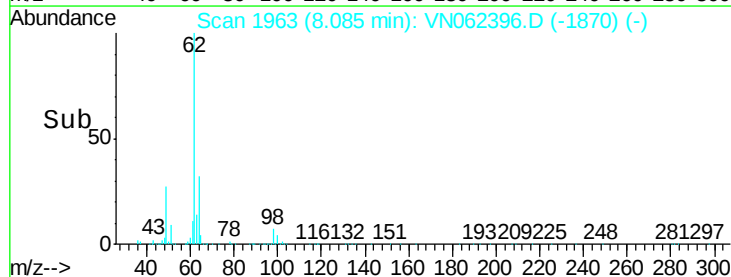
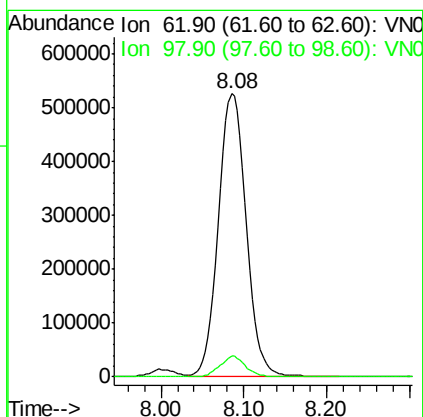
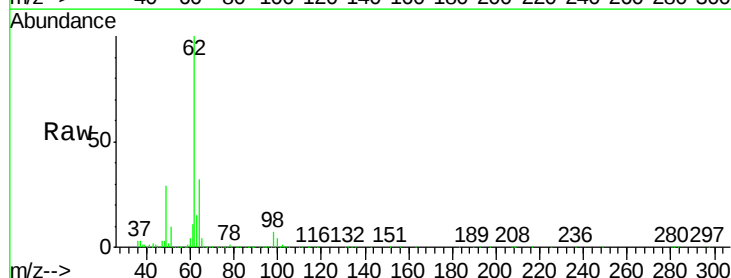
Manual Integrations
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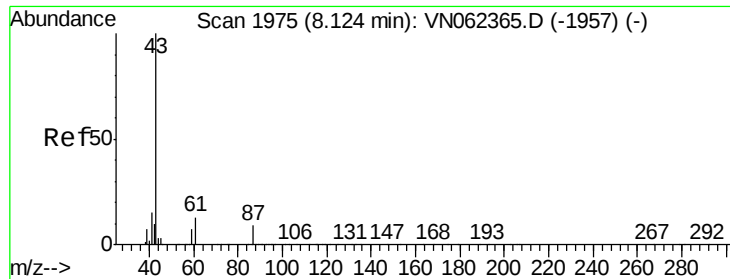
MMDadoda
7/7/2020 10:07:55 AM



#42
1,2-Dichloroethane
Concen: 47.725 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	13.4





#43

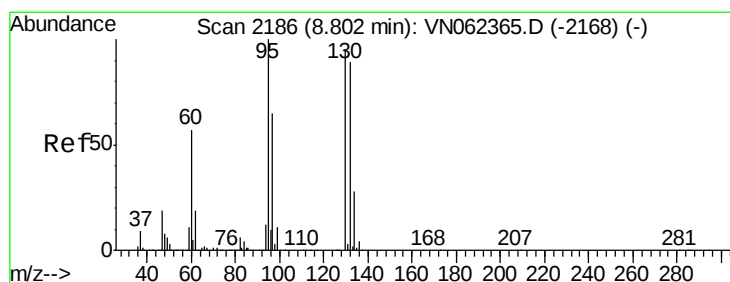
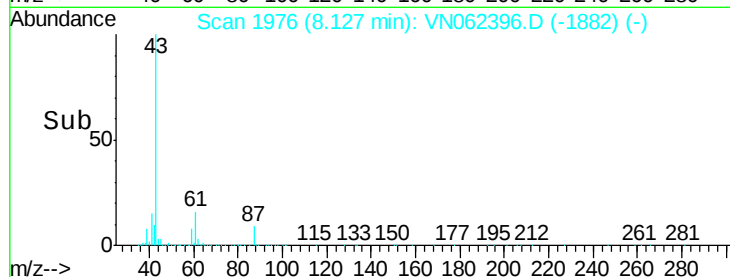
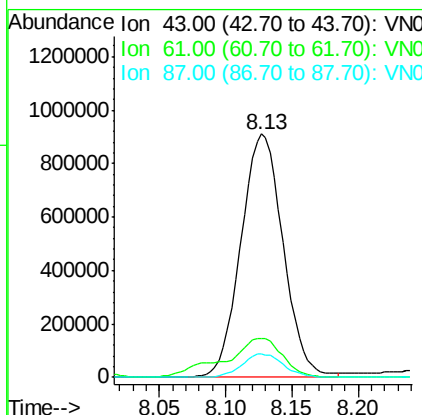
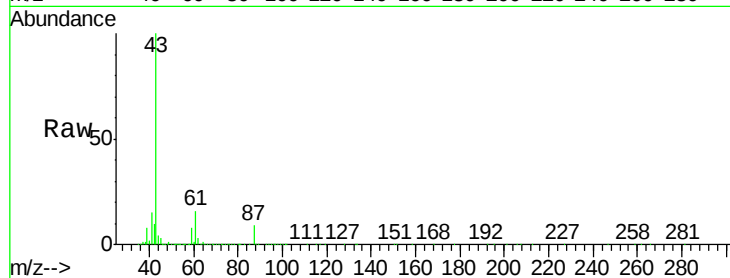
Isopropyl Acetate
 Concen: 49.431 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	2006280
Ion Ratio	100	Lower	Upper
43	100		
61	21.6	13.1	19.7#
87	9.4	7.5	11.3

Manual Integrations
 APPROVED

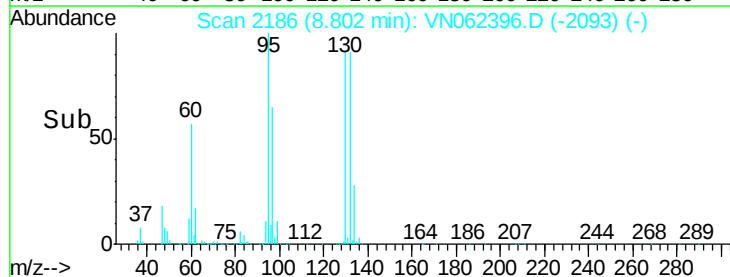
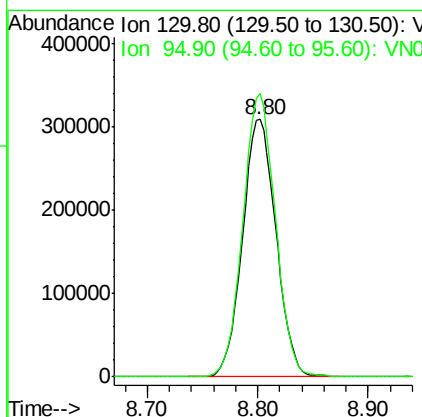
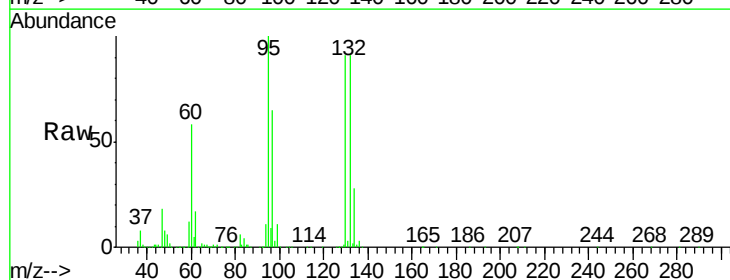
MMDadoda
 7/7/2020 10:07:55 AM

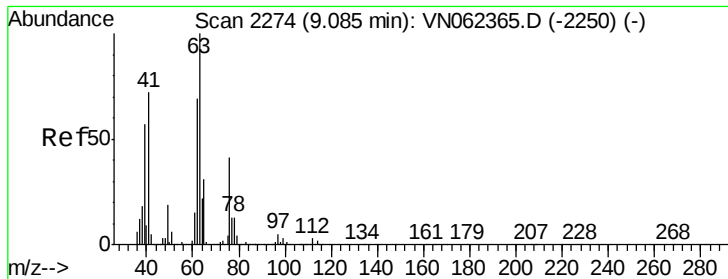


#44

Trichloroethene
 Concen: 46.692 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Tgt Ion	130	Resp	649098
Ion Ratio	100	Lower	Upper
130	100		
95	109.9	0.0	209.8





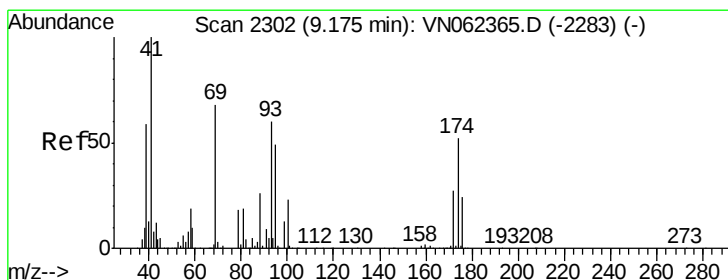
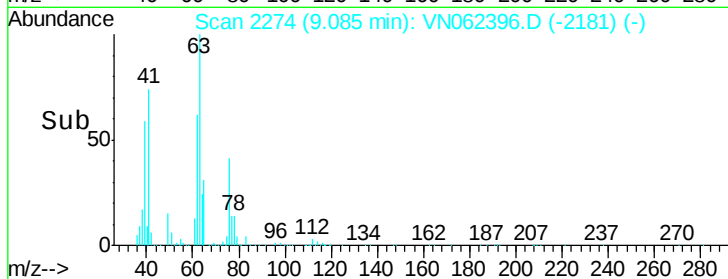
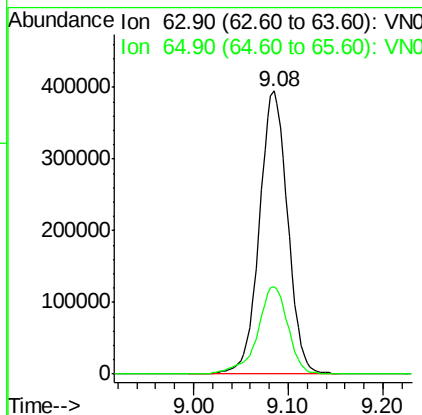
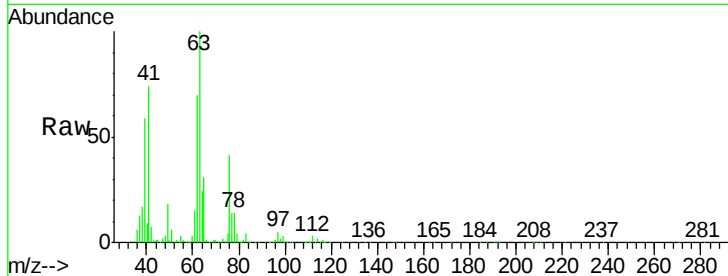
#45
 1,2-Dichloropropane
 Concen: 47.992 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.2	36.4

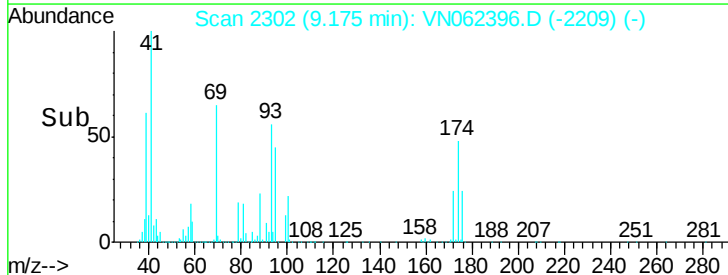
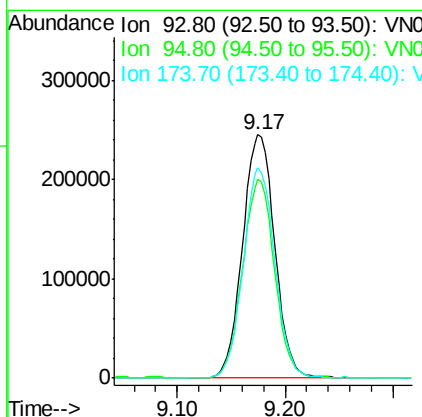
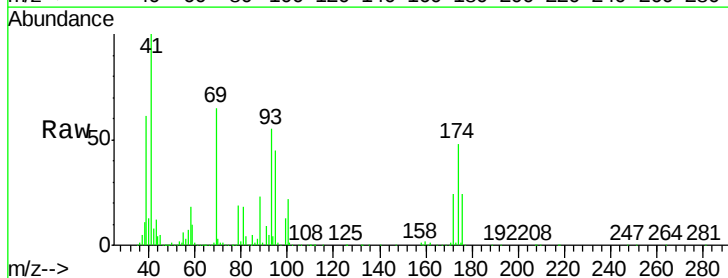
Manual Integrations
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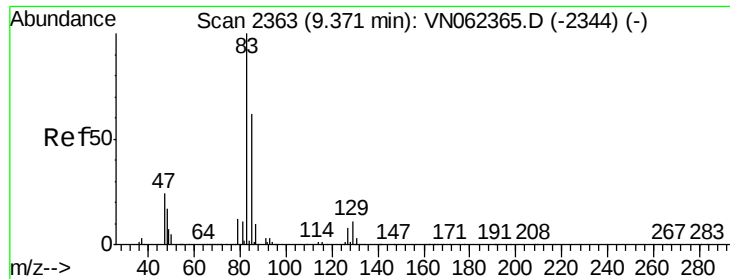
MMDadoda
 7/7/2020 10:07:55 AM



#46
 Dibromomethane
 Concen: 48.245 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.1	64.8	97.2
174	85.0	67.6	101.4





#47

Bromodichloromethane

Concen: 47.925 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 1077669

Ion Ratio Lower Upper

83 100

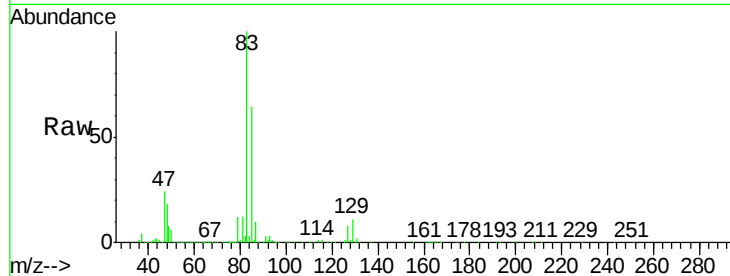
85 63.7 49.8 74.6

127 7.8 6.2 9.2

Manual Integrations
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MMDadoda

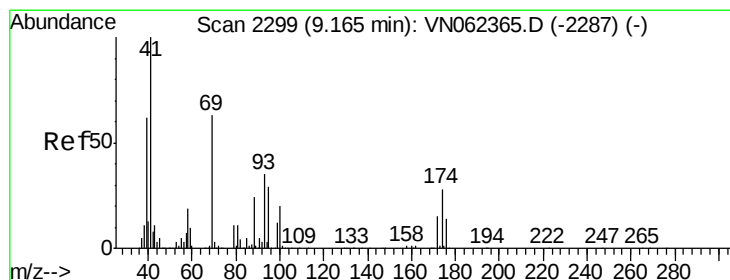
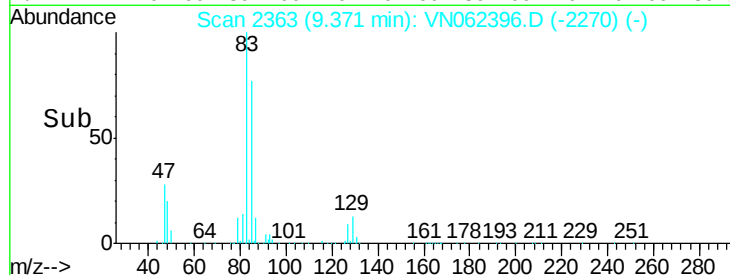
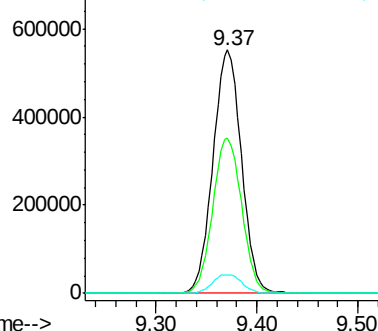
7/7/2020 10:07:55 AM



Abundance Ion 82.90 (82.60 to 83.60): VN062396.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062396.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062396.D (-2270) (-)



#48

Methyl methacrylate

Concen: 48.329 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

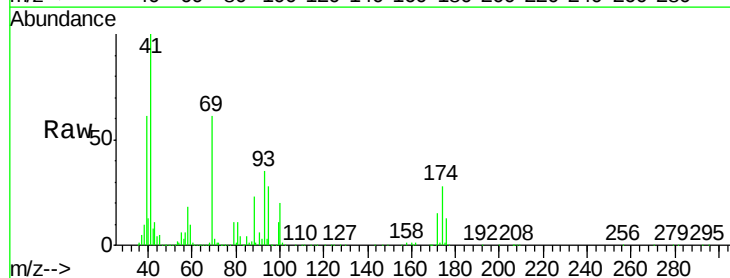
Tgt Ion: 41 Resp: 1001156

Ion Ratio Lower Upper

41 100

69 65.3 51.5 77.3

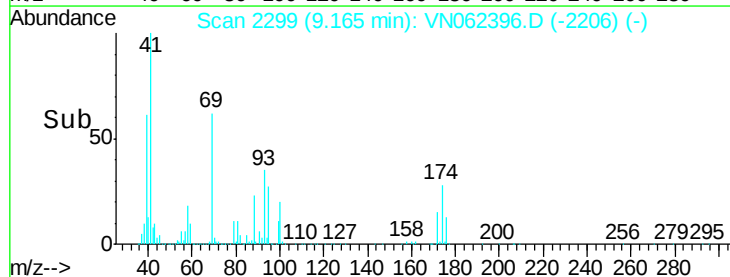
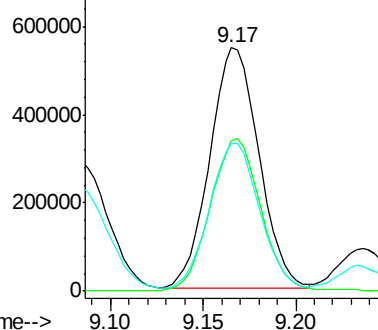
39 63.3 51.2 76.8

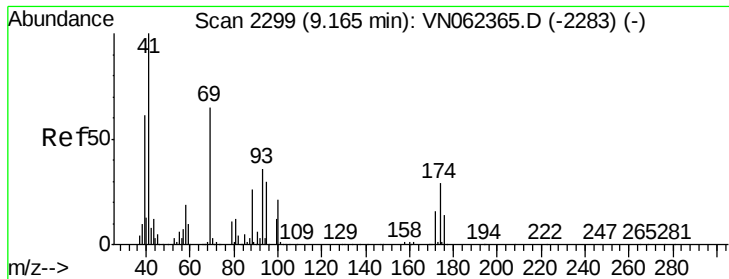


Abundance Ion 41.00 (40.70 to 41.70): VN062396.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062396.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062396.D (-2206) (-)





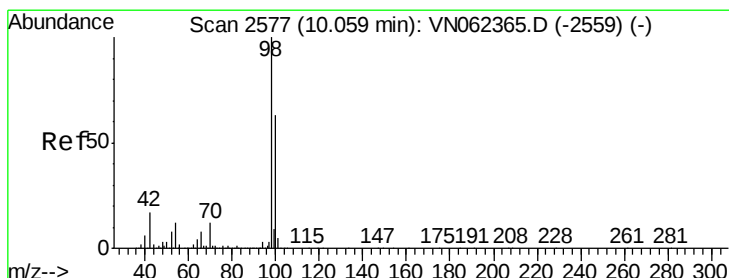
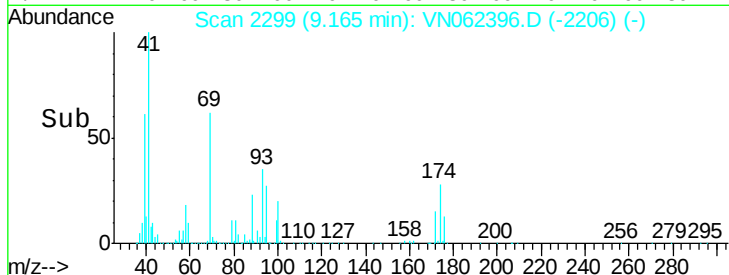
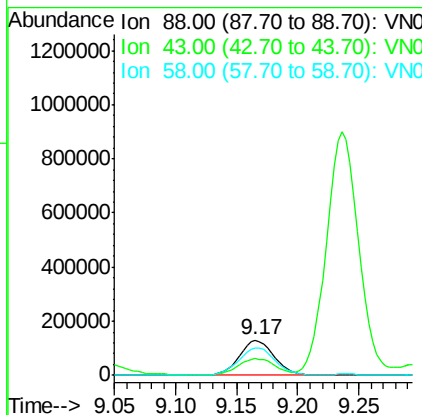
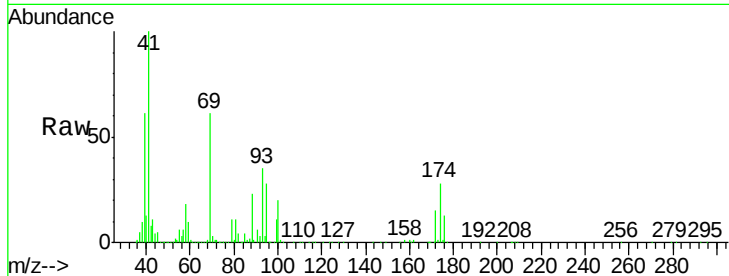
#49
1,4-Dioxane
Concen: 918.688 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.9	34.0	51.0
58	80.3	63.0	94.4

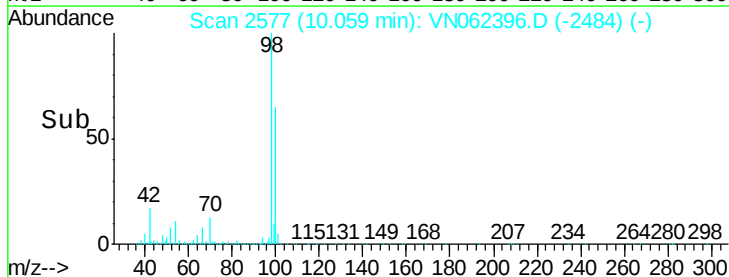
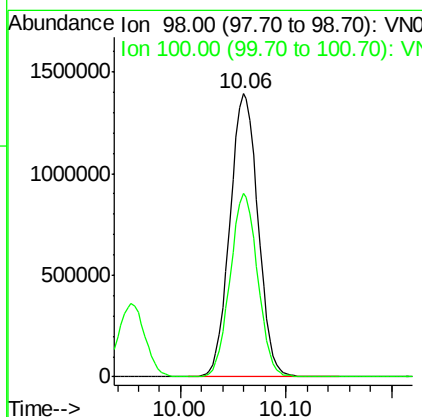
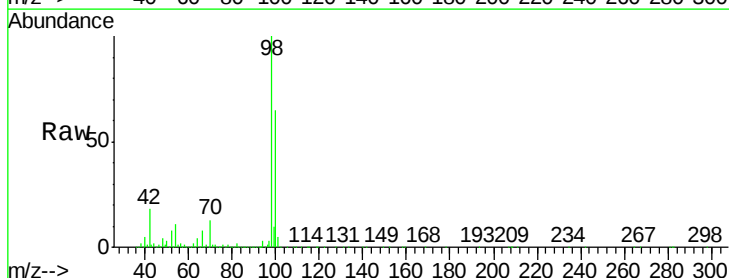
Manual Integrations
APPROVED

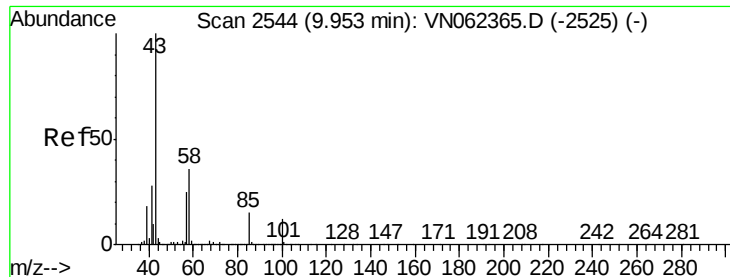
MMDadoda
7/7/2020 10:07:55 AM



#50
Toluene-d8
Concen: 51.699 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.2	75.2





#51

4-Methyl-2-Pentanone

Concen: 249.225 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 5775101

Ion Ratio Lower Upper

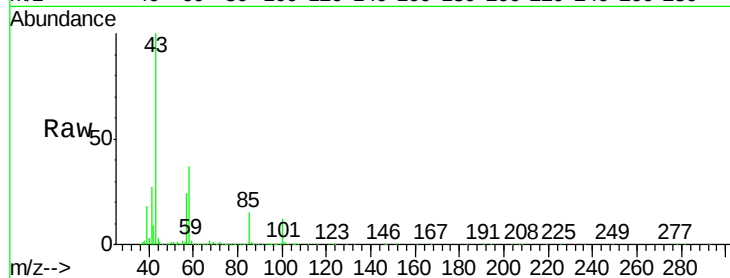
43 100

58 34.6 27.6 41.4

Manual Integrations
APPROVED

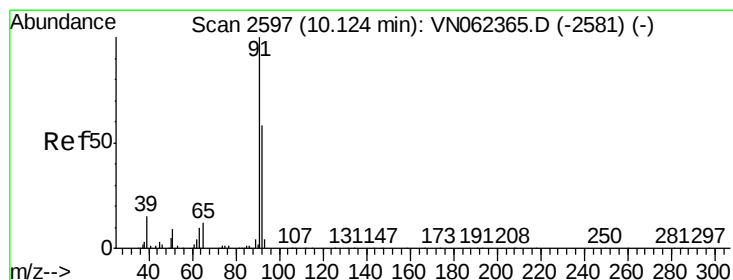
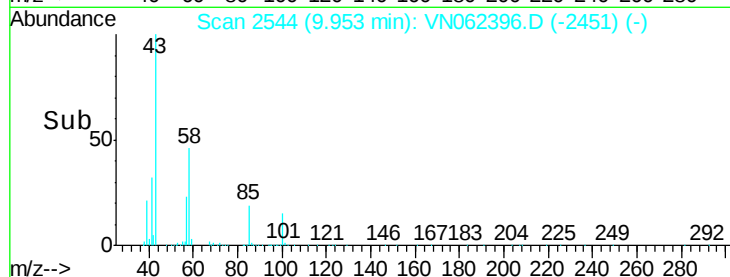
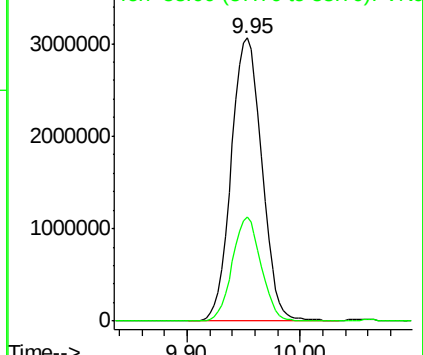
MMDadoda

7/7/2020 10:07:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VN062365.D

Ion 58.00 (57.70 to 58.70): VN062365.D



#52

Toluene

Concen: 49.445 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062396.D

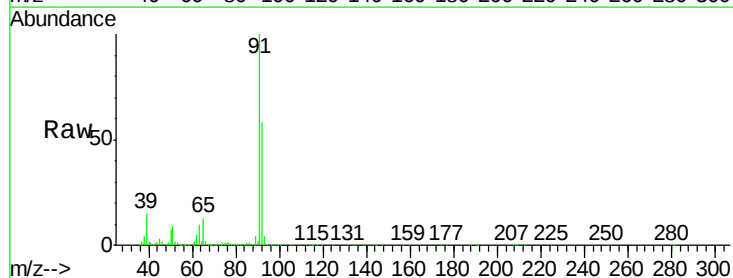
Acq: 7 Jul 2020 4:49

Tgt Ion: 92 Resp: 1719313

Ion Ratio Lower Upper

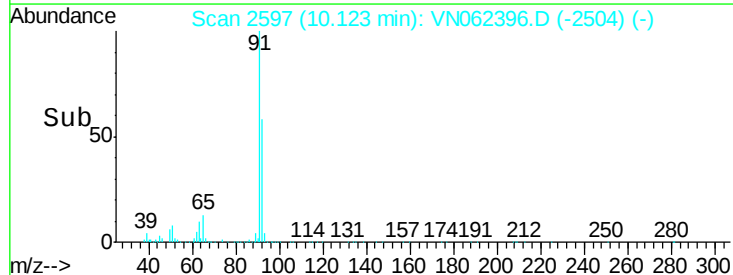
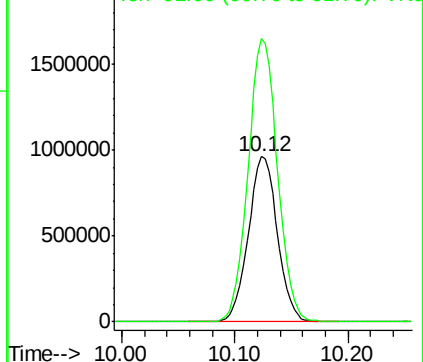
92 100

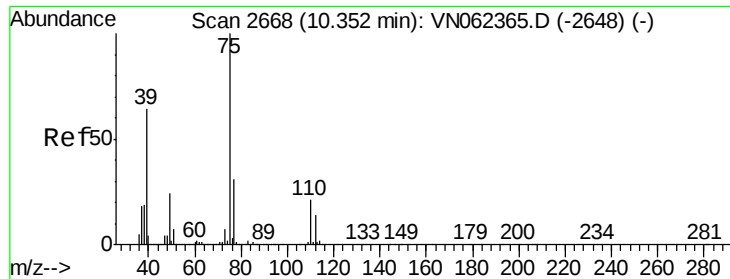
91 173.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN062396.D

Ion 91.00 (90.70 to 91.70): VN062396.D





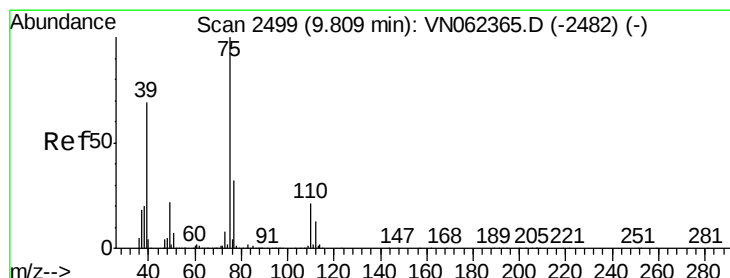
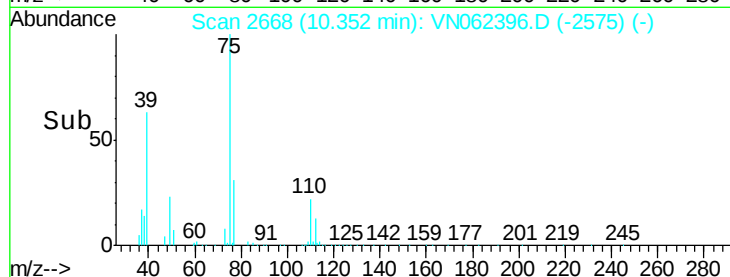
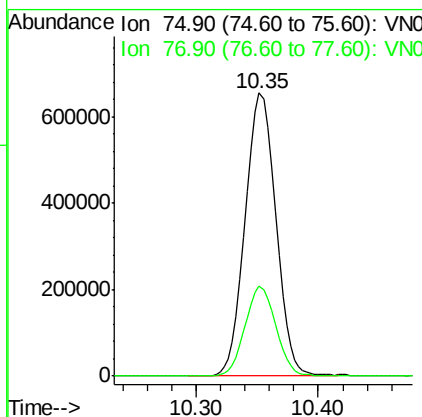
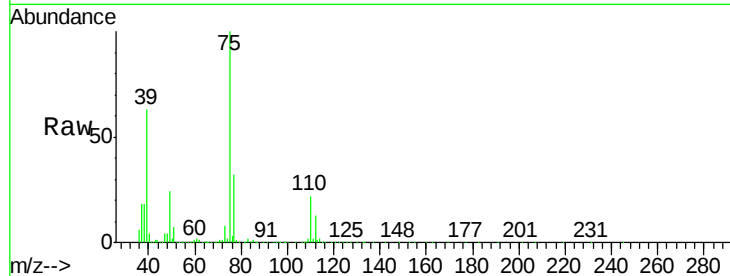
#53
t-1,3-Dichloropropene
Concen: 47.113 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 1139902
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3

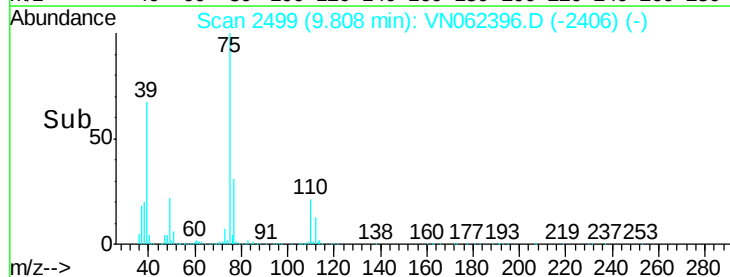
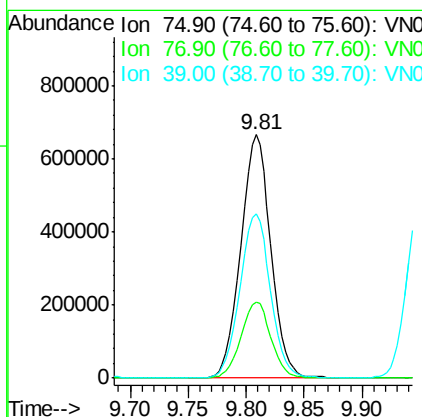
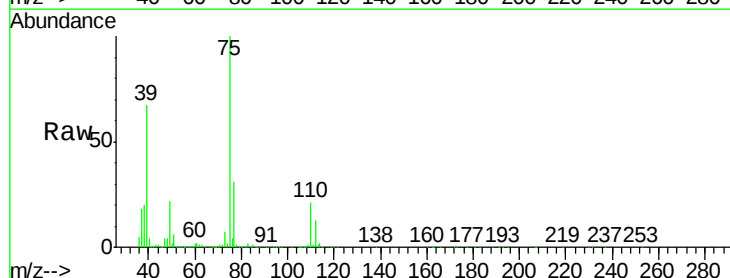
Manual Integrations
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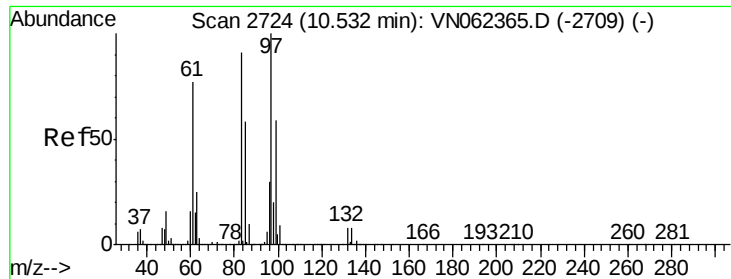
MMDadoda
7/7/2020 10:07:55 AM



#54
cis-1,3-Dichloropropene
Concen: 46.426 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion: 75 Resp: 1198562
Ion Ratio Lower Upper
75 100
77 31.4 26.0 39.0
39 67.2 55.3 82.9





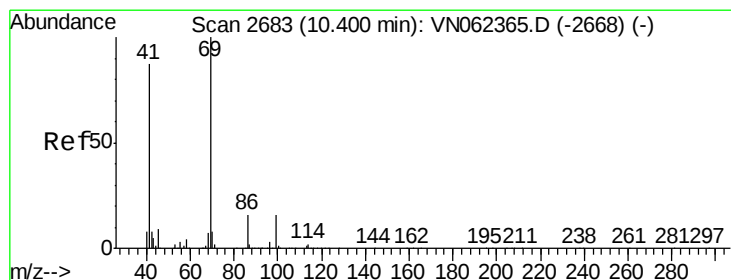
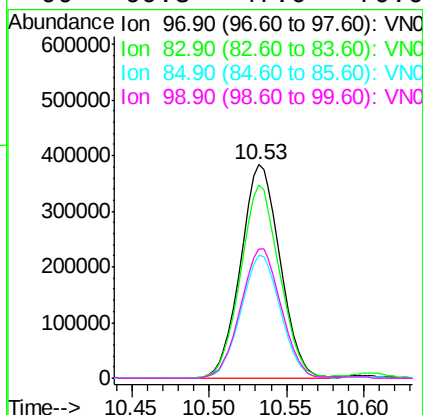
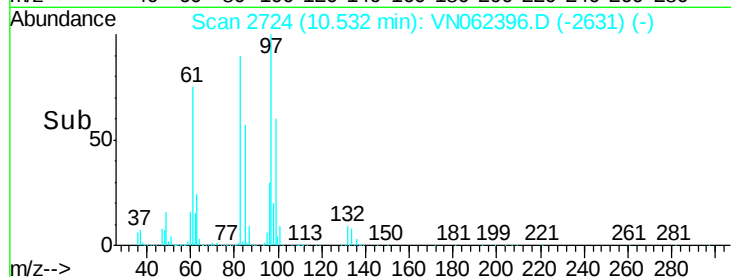
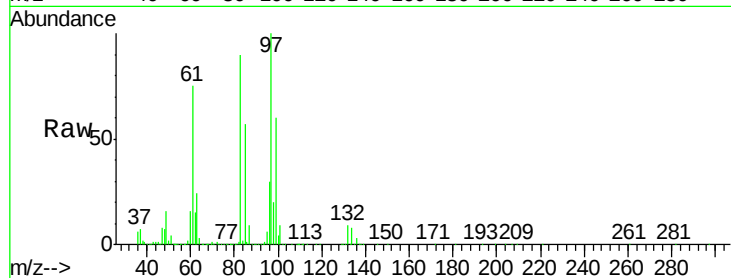
#55
 1,1,2-Trichloroethane
 Concen: 49.036 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	683291
Ion	Ratio	Lower	Upper
97	100		
83	90.3	72.4	108.6
85	57.2	46.3	69.5
99	60.3	47.0	70.6

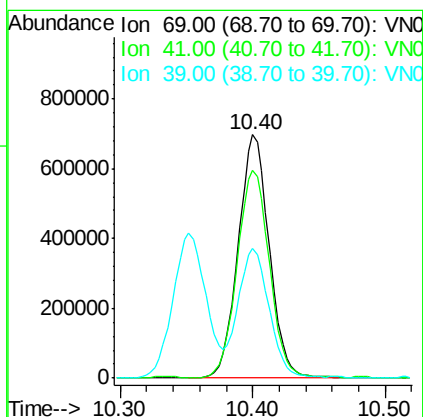
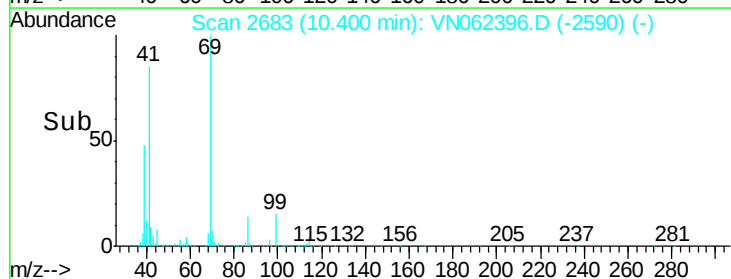
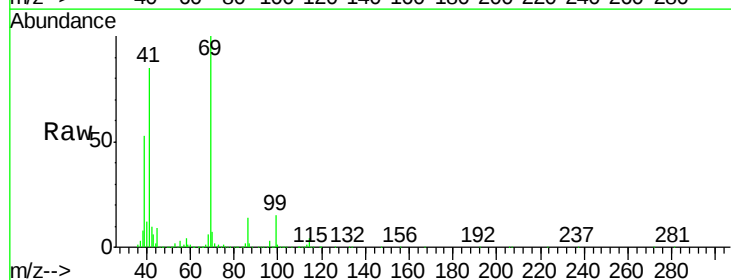
Manual Integrations
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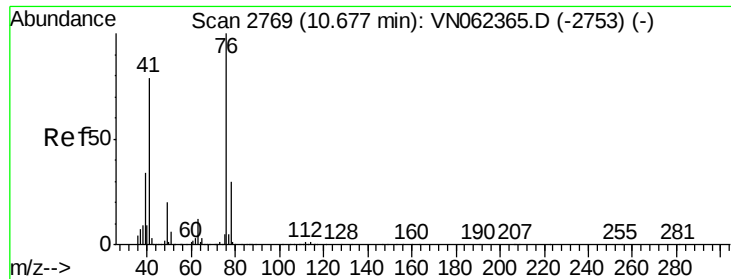
MMDadoda
 7/7/2020 10:07:55 AM



#56
 Ethyl methacrylate
 Concen: 50.475 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Tgt Ion:	69	Resp:	1132828
Ion	Ratio	Lower	Upper
69	100		
41	87.9	69.4	104.0
39	52.7	42.4	63.6





#57

1,3-Dichloropropane

Concen: 47.967 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1241249

Ion Ratio Lower Upper

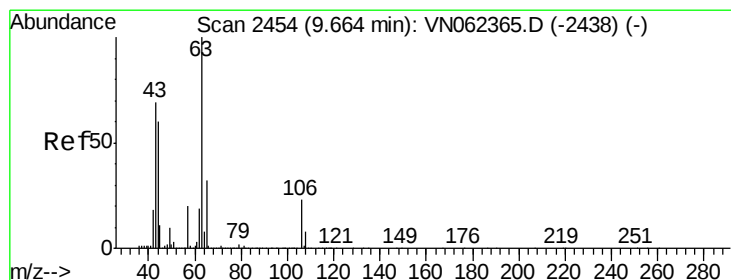
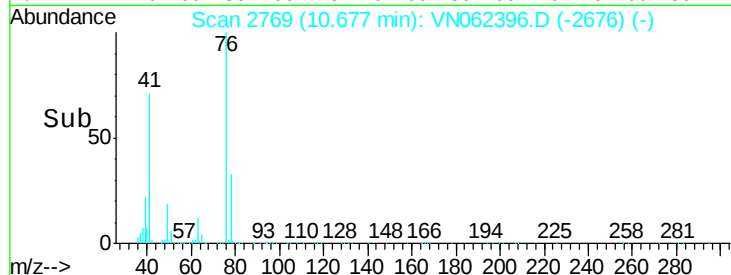
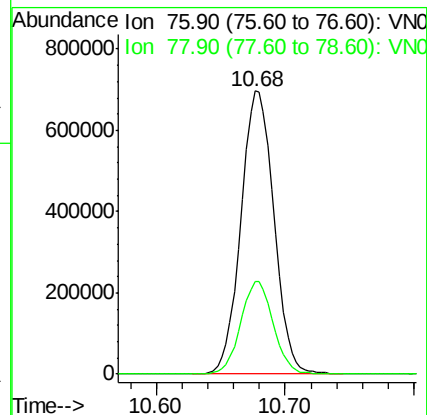
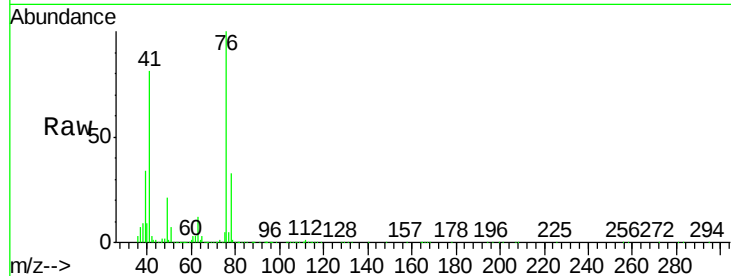
76 100

78 32.2 25.0 37.4

Manual Integrations
APPROVED

MMDadoda

7/7/2020 10:07:55 AM



#58

2-Chloroethyl Vinyl ether

Concen: 261.764 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062396.D

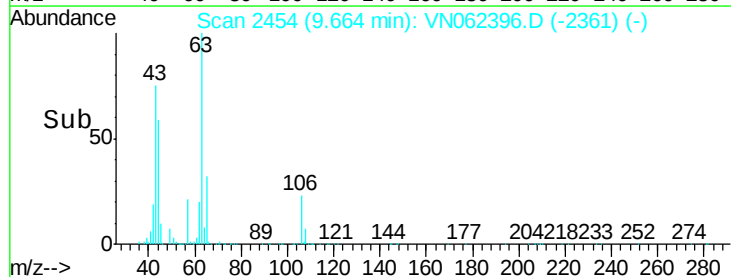
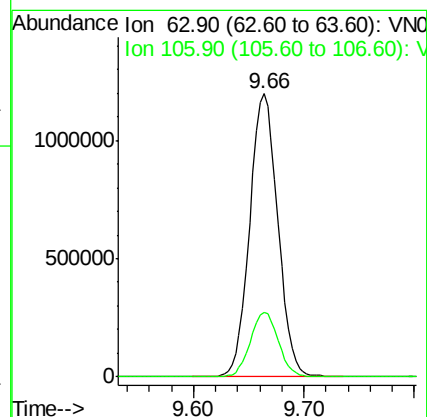
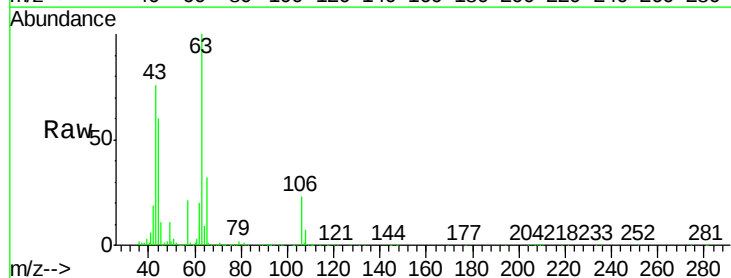
Acq: 7 Jul 2020 4:49

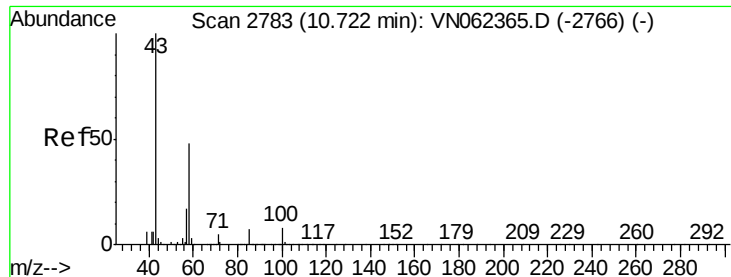
Tgt Ion: 63 Resp: 2113028

Ion Ratio Lower Upper

63 100

106 22.8 18.0 27.0





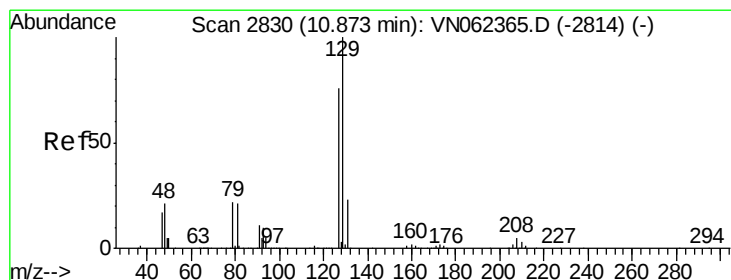
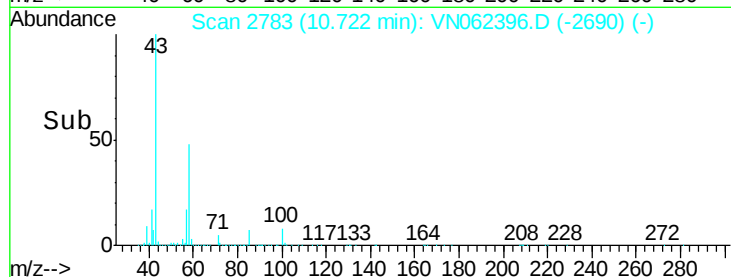
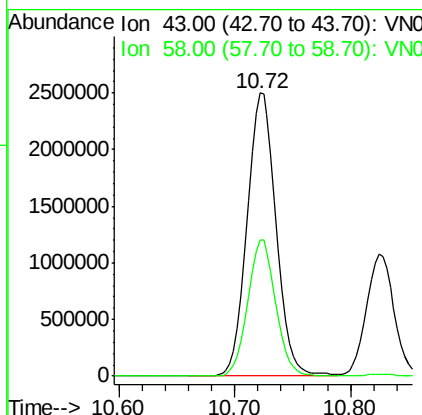
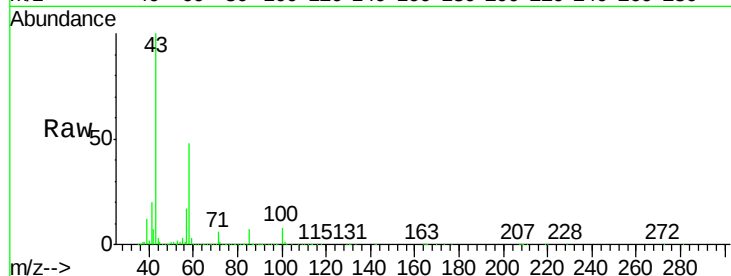
#59
2-Hexanone
Concen: 264.171 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 4345680
Ion Ratio Lower Upper
43 100
58 46.7 23.5 70.6

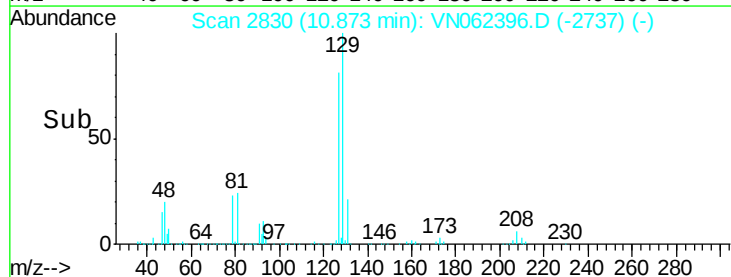
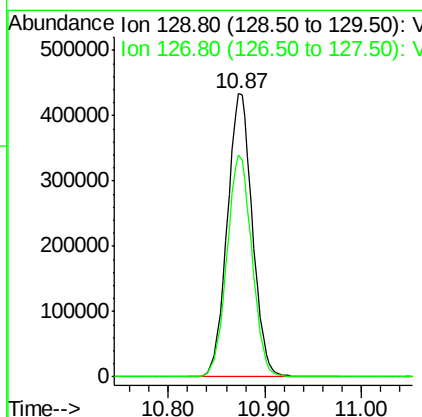
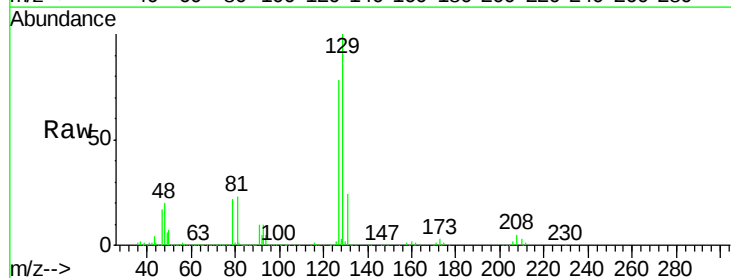
Manual Integrations
APPROVED

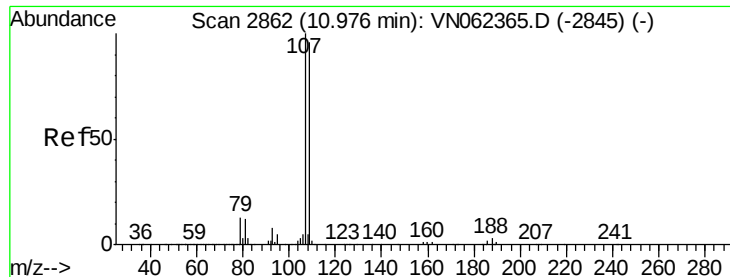
MMDadoda
7/7/2020 10:07:55 AM



#60
Dibromochloromethane
Concen: 49.231 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion: 129 Resp: 781203
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.3





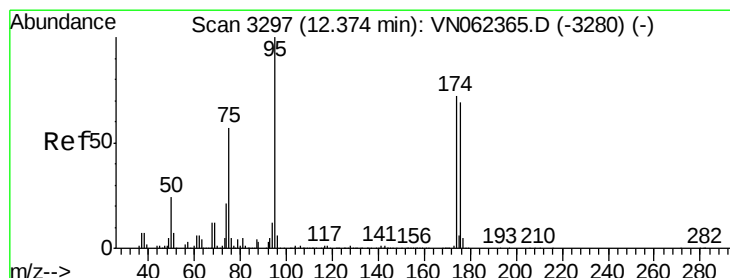
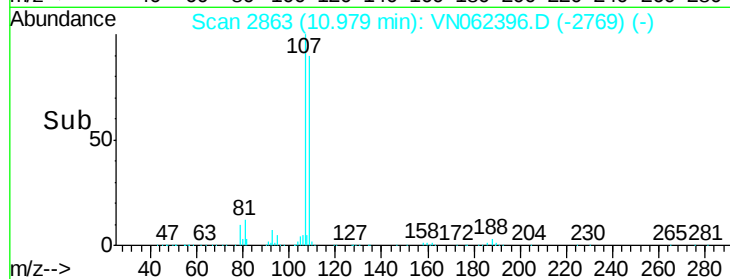
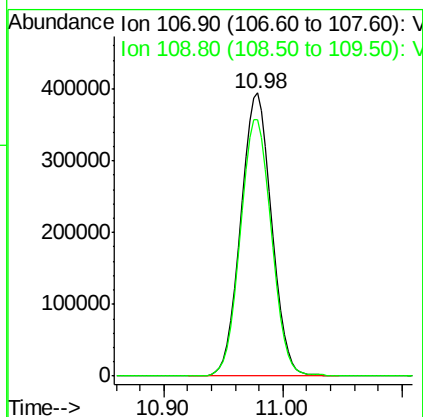
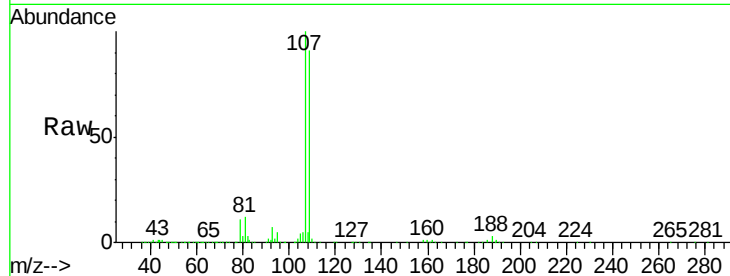
#61
 1,2-Dibromoethane
 Concen: 49.552 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	76.4	114.6

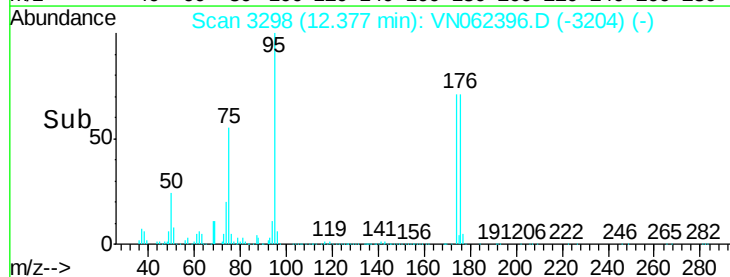
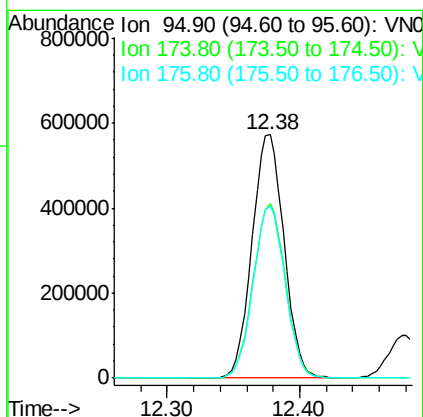
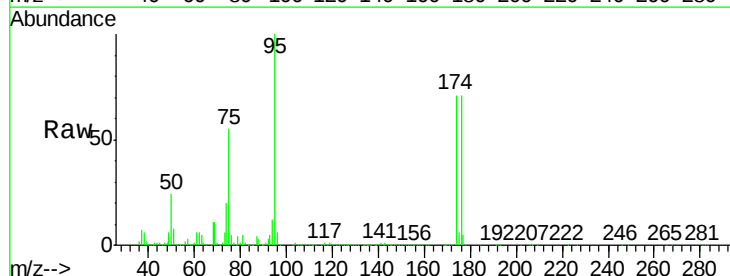
Manual Integrations
 APPROVED

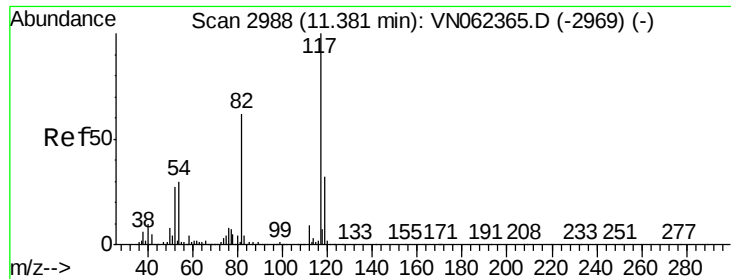
MMDadoda
 7/7/2020 10:07:55 AM



#62
 4-Bromofluorobenzene
 Concen: 50.423 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	145.8
176	70.8	0.0	140.2





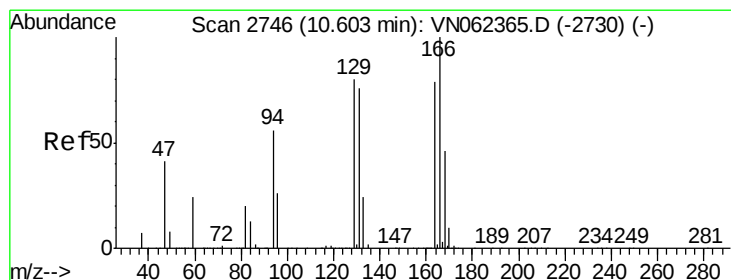
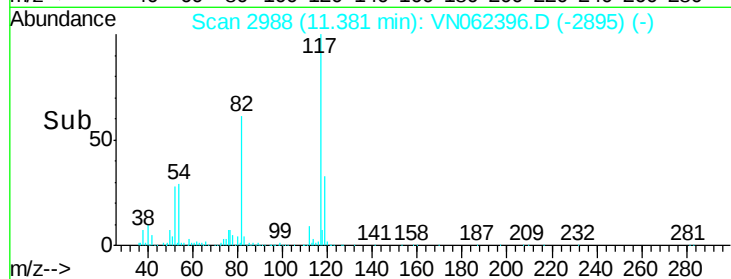
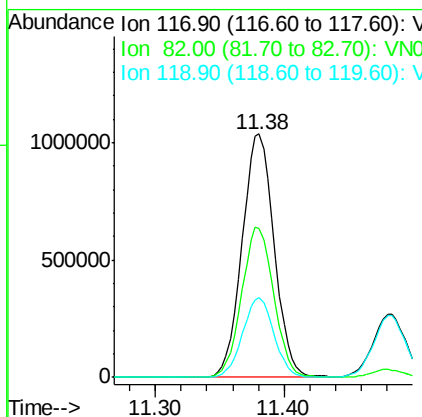
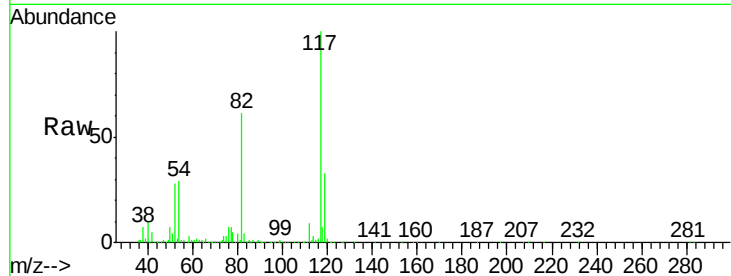
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	49.4	74.2
119	32.5	25.6	38.4

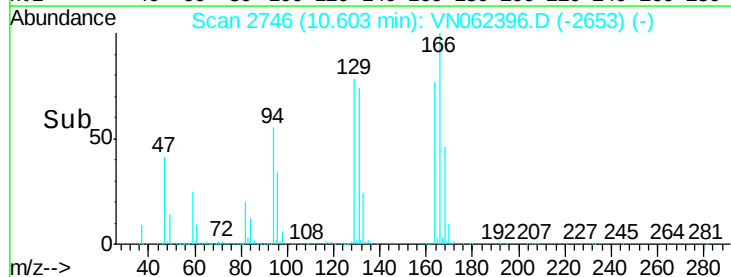
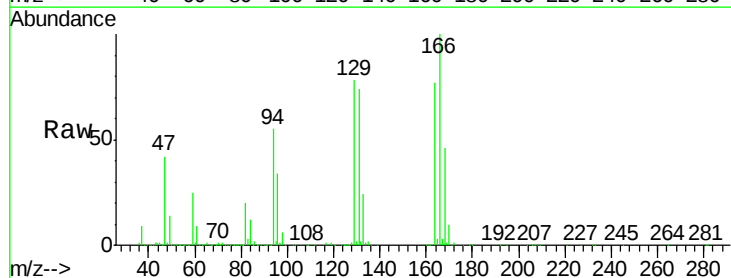
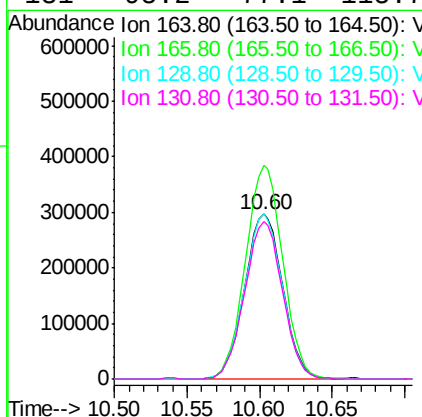
Manual Integrations
APPROVED

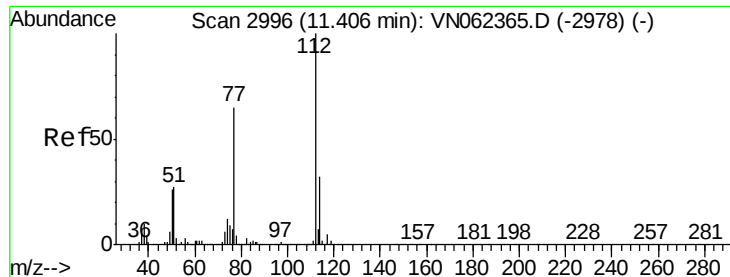
MMDadoda
7/7/2020 10:07:55 AM



#64
Tetrachloroethene
Concen: 47.148 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.6	152.4
129	100.3	81.4	122.2
131	95.2	77.1	115.7





#65

Chlorobenzene

Concen: 48.569 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:112 Resp: 1788033

Ion Ratio Lower Upper

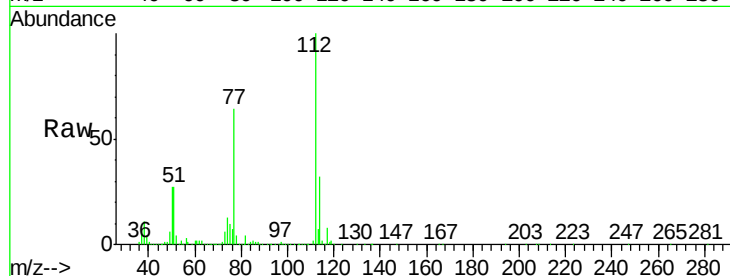
112 100

114 32.3 25.8 38.8

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

1200000

1000000

800000

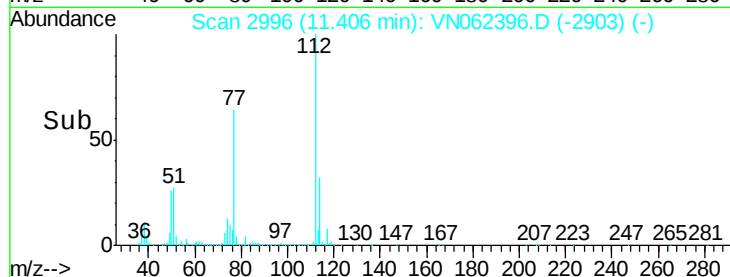
600000

400000

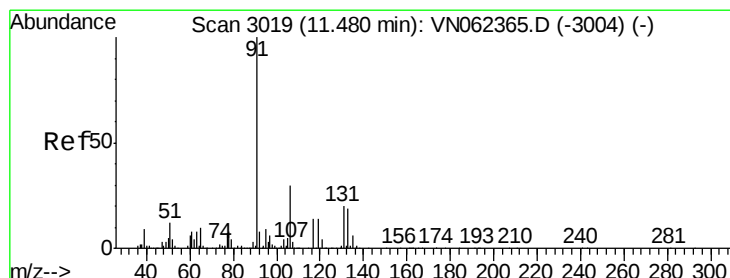
200000

0

Time-->



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.345 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

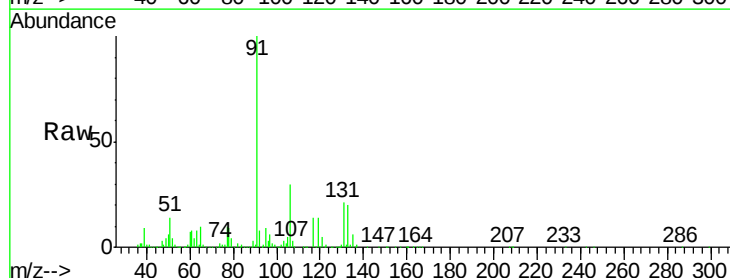
Tgt Ion:131 Resp: 696917

Ion Ratio Lower Upper

131 100

133 95.4 47.3 141.9

119 64.9 33.3 99.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

500000

400000

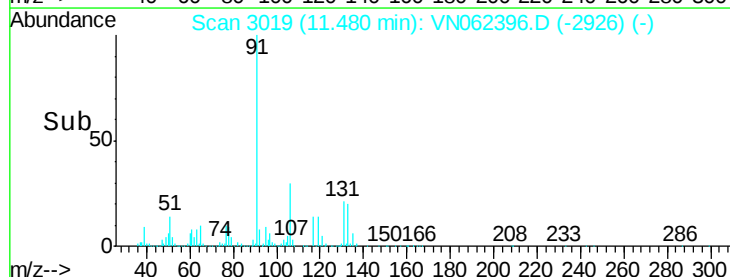
300000

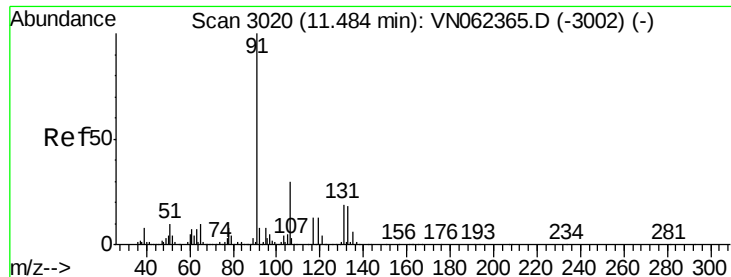
200000

100000

0

Time-->





#67

Ethyl Benzene

Concen: 51.276 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 3333272

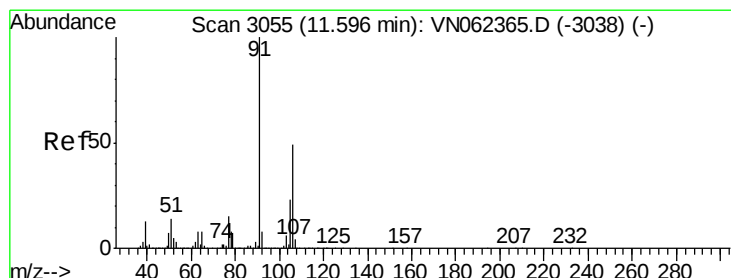
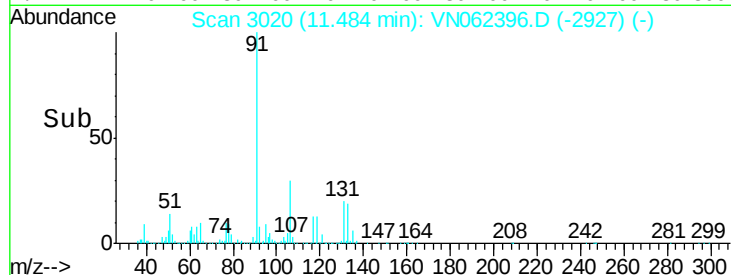
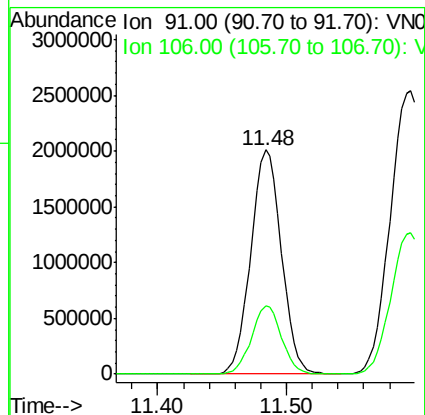
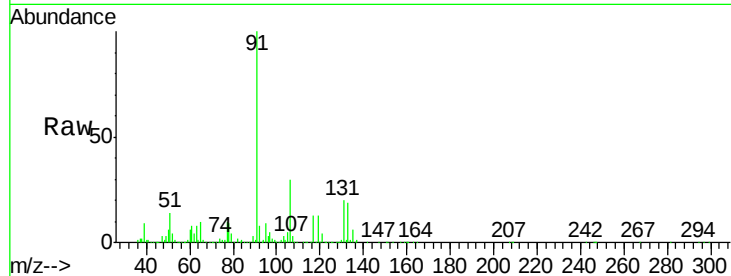
Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.2

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:07:55 AM



#68

m/p-Xylenes

Concen: 102.017 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062396.D

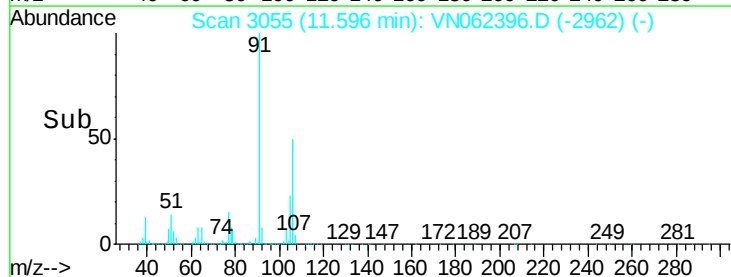
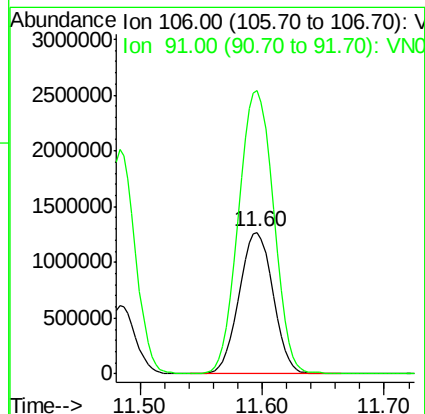
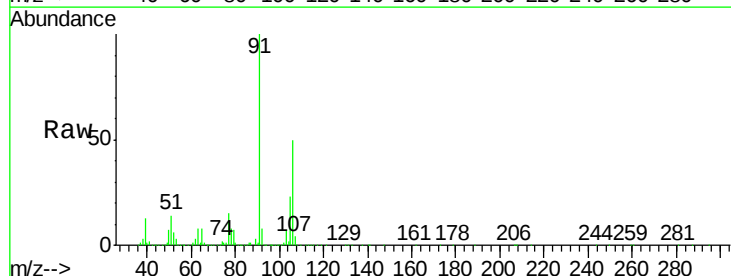
Acq: 7 Jul 2020 4:49

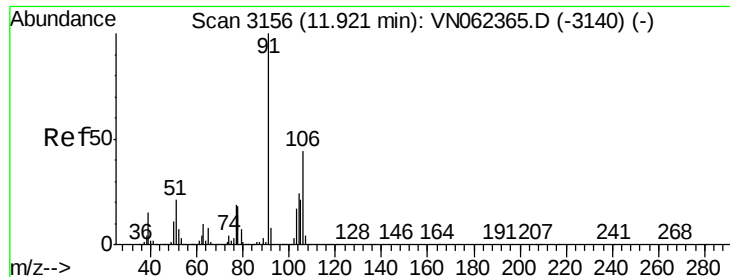
Tgt Ion: 106 Resp: 2437594

Ion Ratio Lower Upper

106 100

91 207.3 165.4 248.2





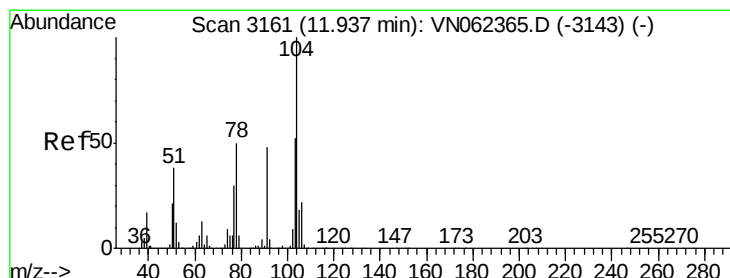
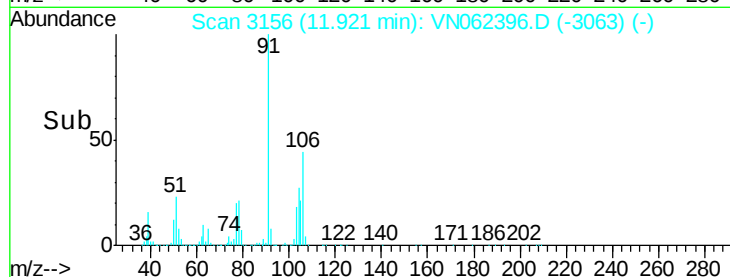
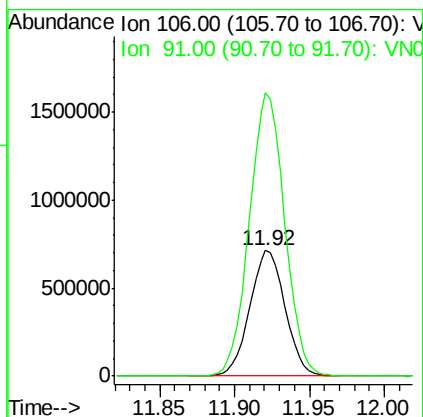
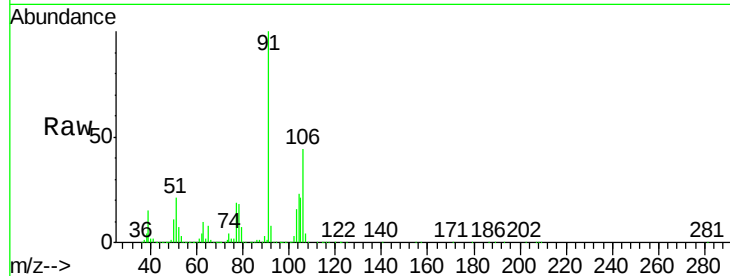
#69
o-Xylene
Concen: 49.735 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 1168882
Ion Ratio Lower Upper
106 100
91 226.6 113.1 339.4

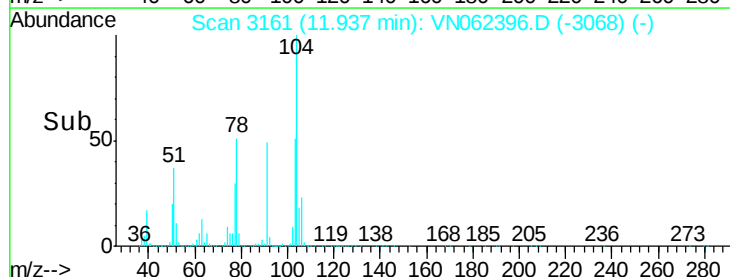
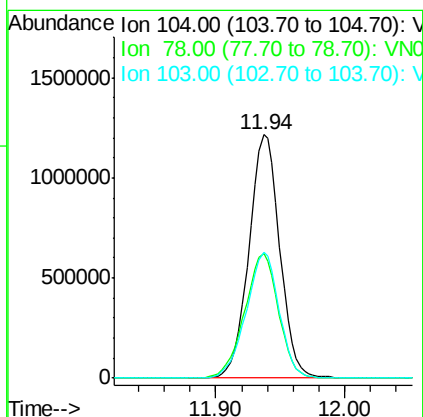
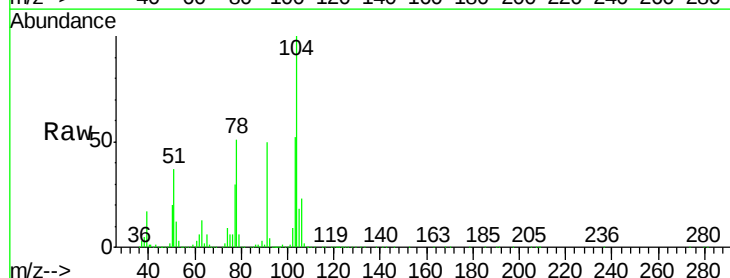
Manual Integrations
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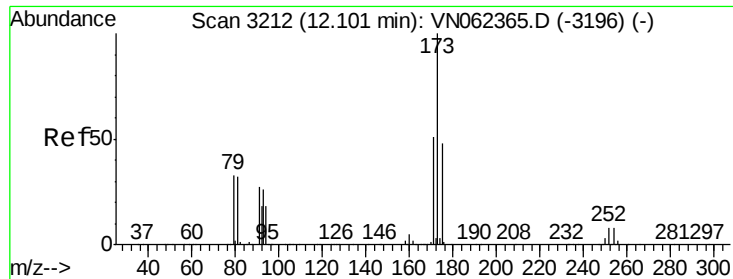
MMDadoda
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#70
Styrene
Concen: 52.112 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion:104 Resp: 2023796
Ion Ratio Lower Upper
104 100
78 56.5 44.8 67.2
103 55.4 45.0 67.4





#71

Bromoform

Concen: 49.347 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

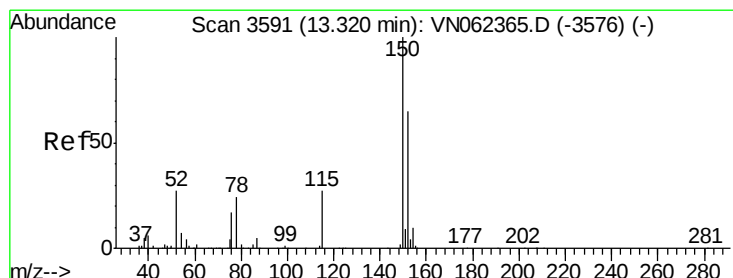
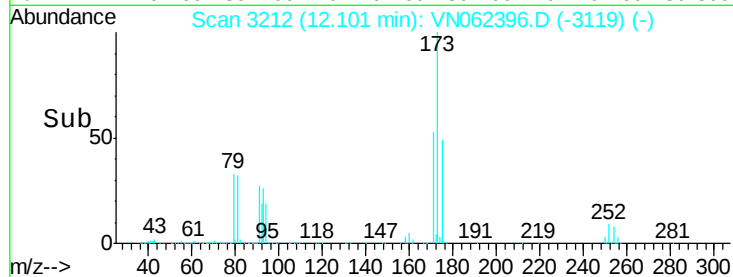
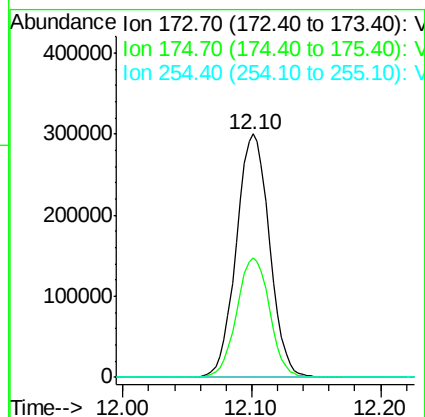
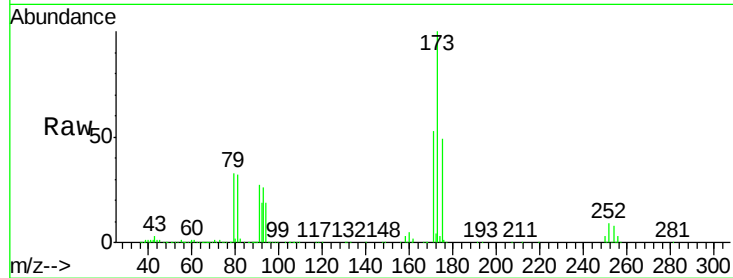
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.2
254	0.1	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

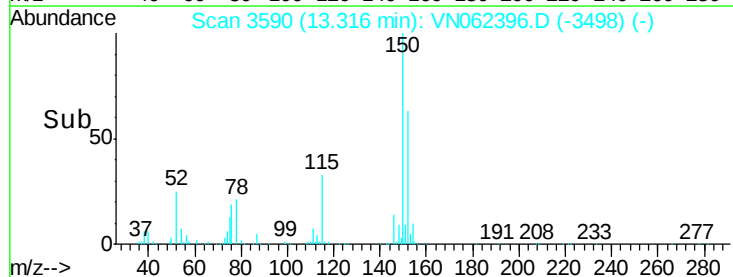
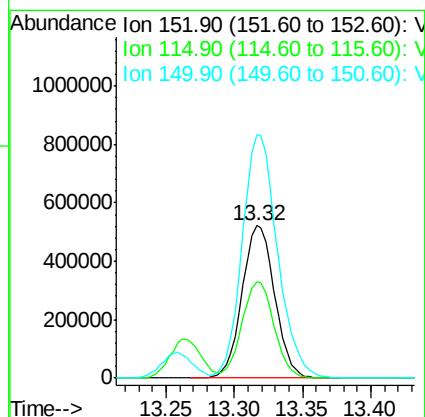
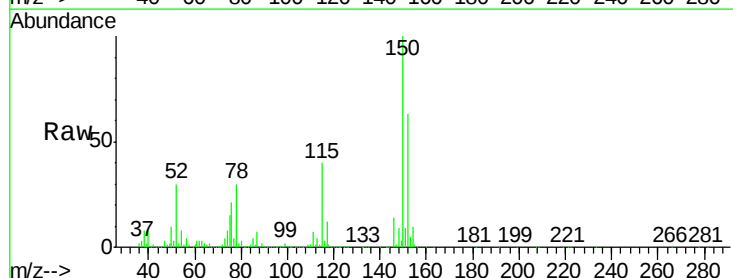
RT: 13.32 min Scan# 3590

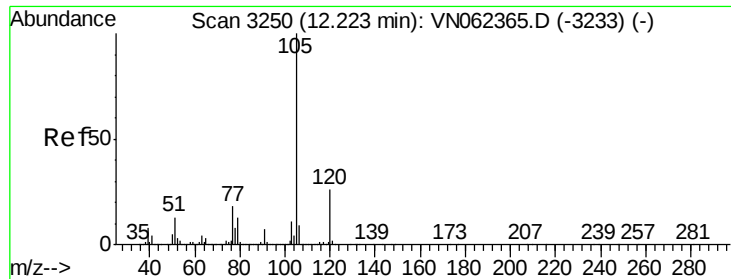
Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	30.5	91.5
150	172.3	0.0	346.8





#73

Isopropylbenzene

Concen: 49.671 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 3201293

Ion Ratio Lower Upper

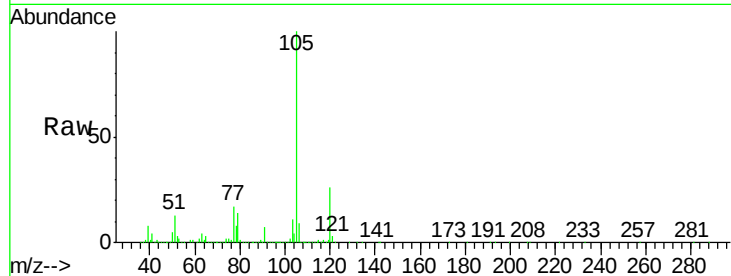
105 100

120 25.7 12.8 38.3

Manual Integrations
APPROVED

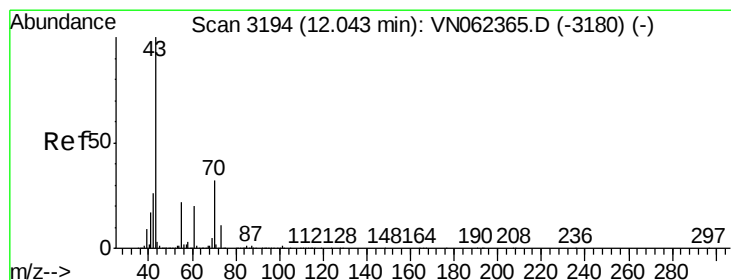
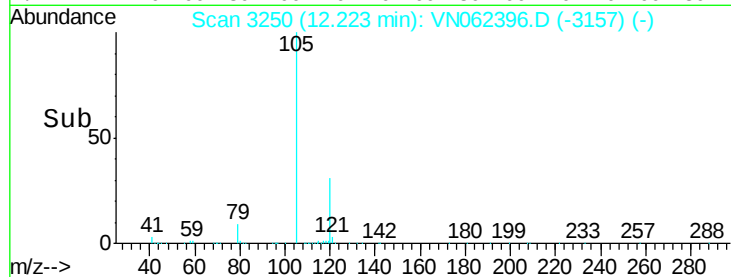
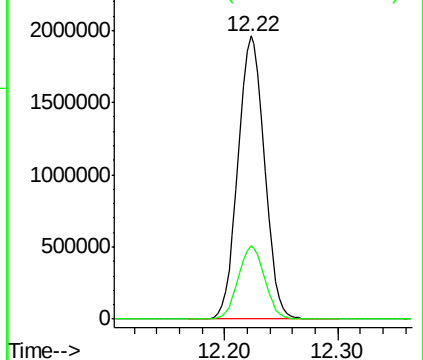
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.383 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Tgt Ion: 43 Resp: 1805011

Ion Ratio Lower Upper

43 100

70 31.8 25.9 38.9

55 22.2 17.4 26.0

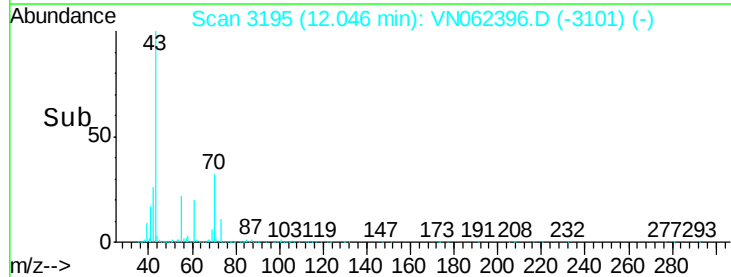
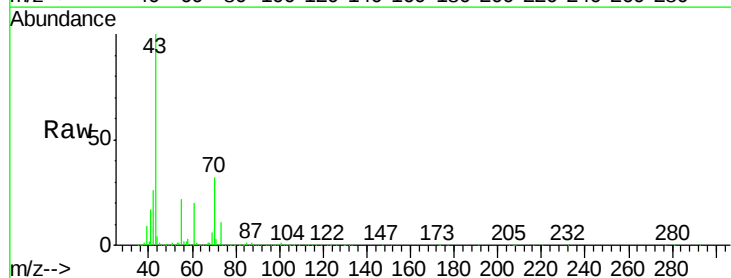
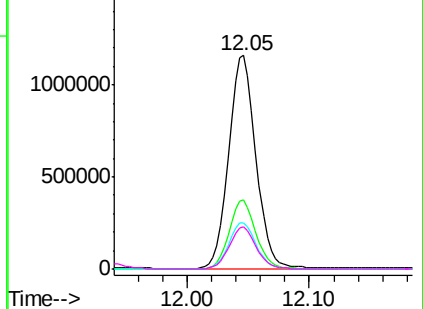
61 19.6 15.6 23.4

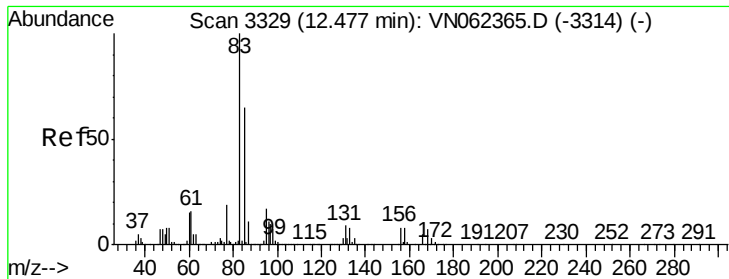
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.760 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

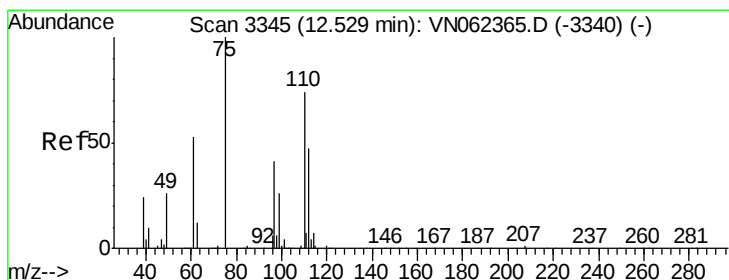
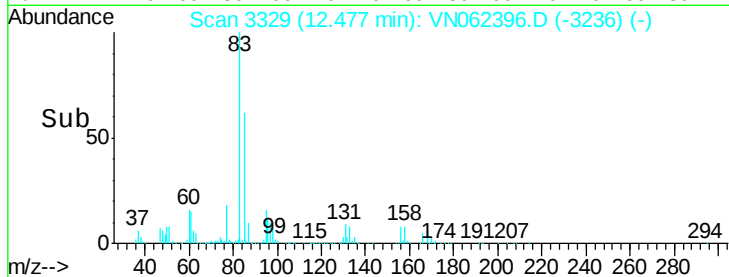
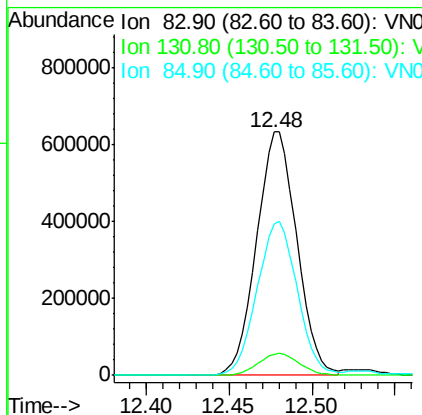
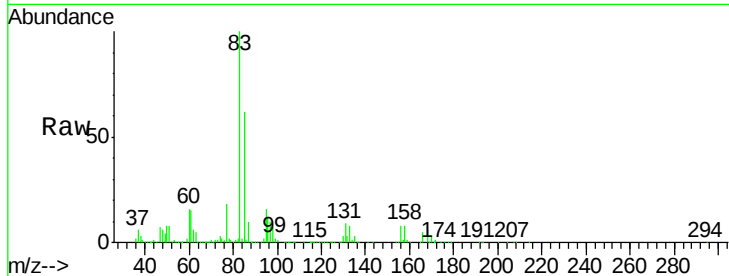
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	1071116
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	63.0	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.668 ug/l m

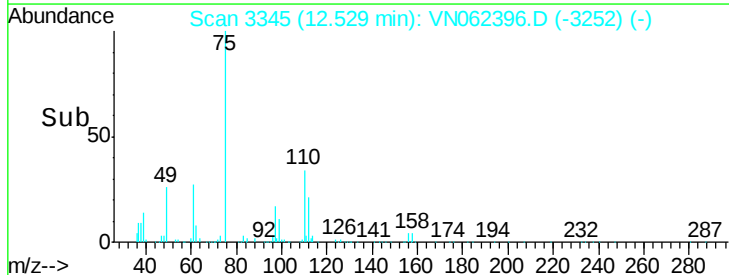
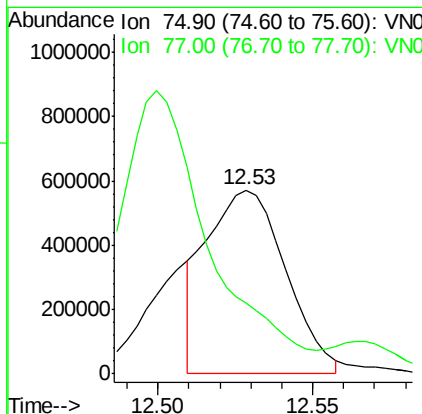
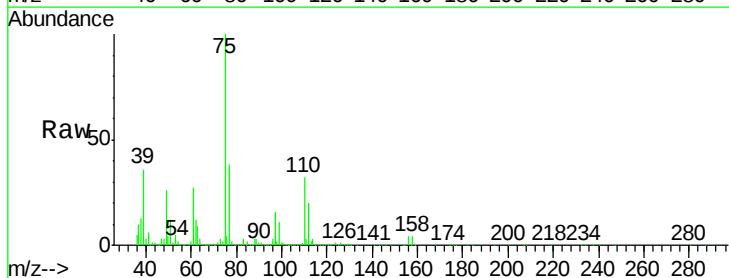
RT: 12.53 min Scan# 3345

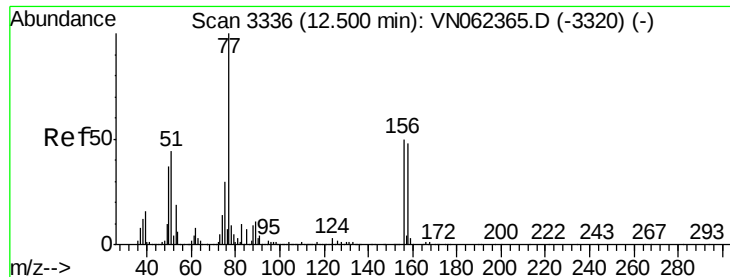
Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Tgt Ion:	75	Resp:	1019015
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.626 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

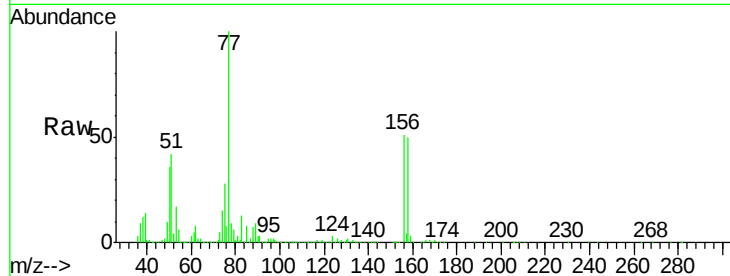
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	752081
Ion Ratio	Lower	Upper	
156	100		
77	238.3	123.3	369.8
158	97.9	49.6	148.8

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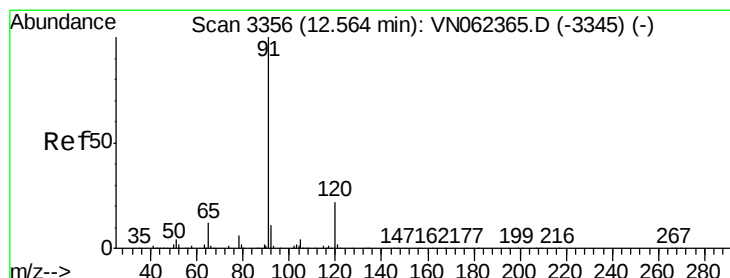
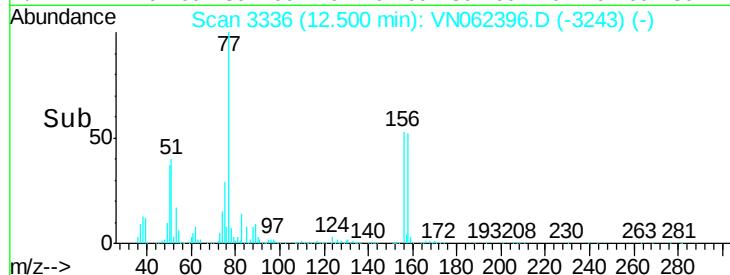
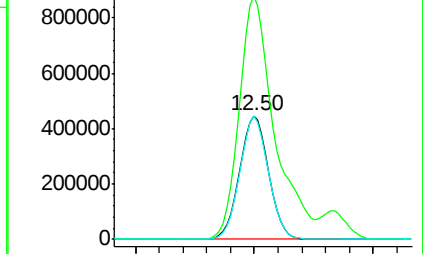
MMDadoda
7/7/2020 10:07:55 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.819 ug/l

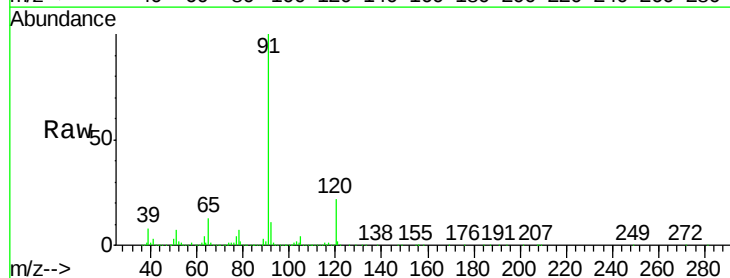
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062396.D

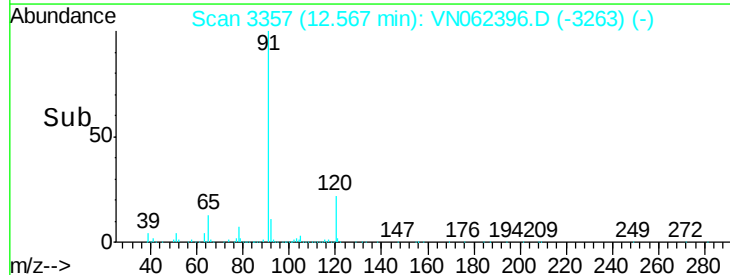
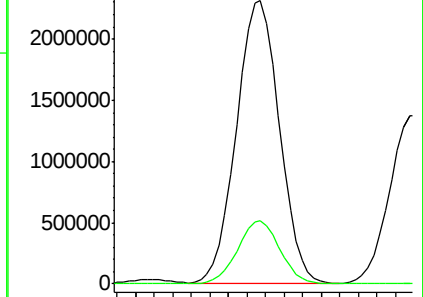
Acq: 7 Jul 2020 4:49

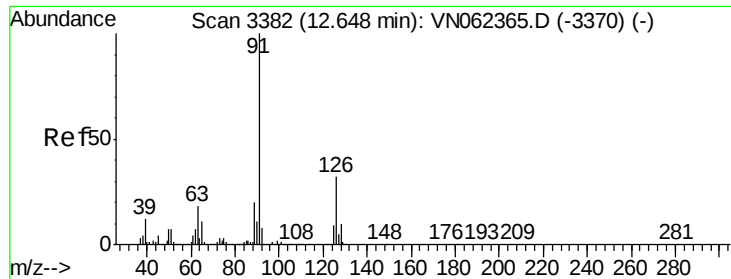
Tgt Ion:	91	Resp:	3696966
Ion Ratio	Lower	Upper	
91	100		
120	21.9	10.9	32.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.903 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2276785

Ion Ratio Lower Upper

91 100

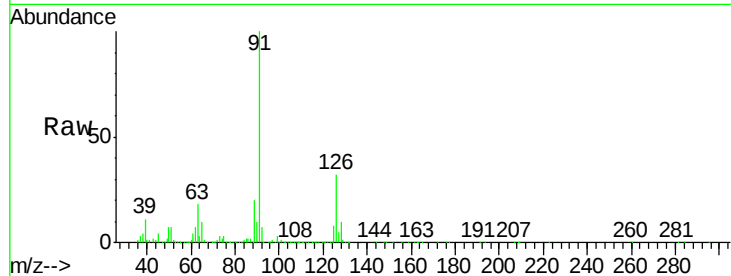
126 31.8 15.8 47.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN062365.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062365.D (-3370) (-)

2500000

2000000

1500000

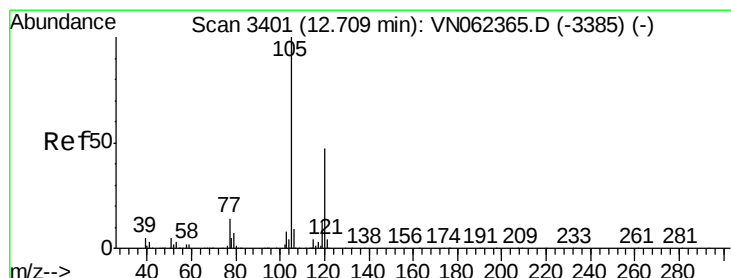
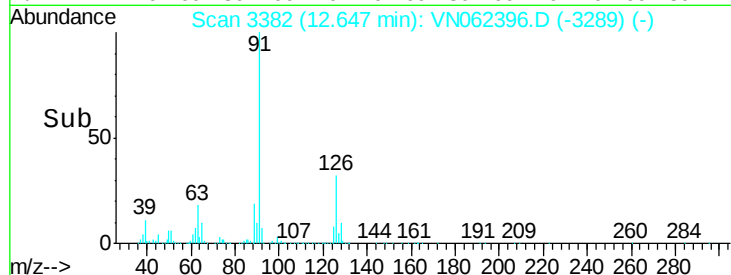
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.926 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062396.D

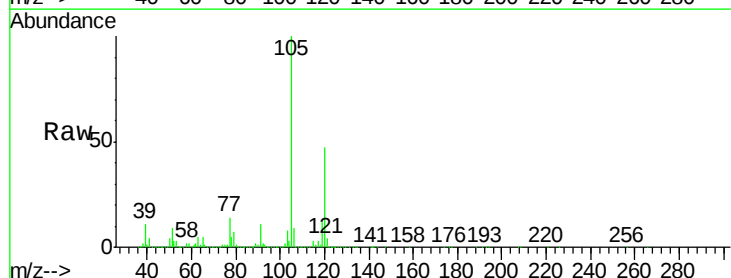
Acq: 7 Jul 2020 4:49

Tgt Ion:105 Resp: 2746408

Ion Ratio Lower Upper

105 100

120 46.6 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062365.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062365.D (-3385) (-)

2000000

1500000

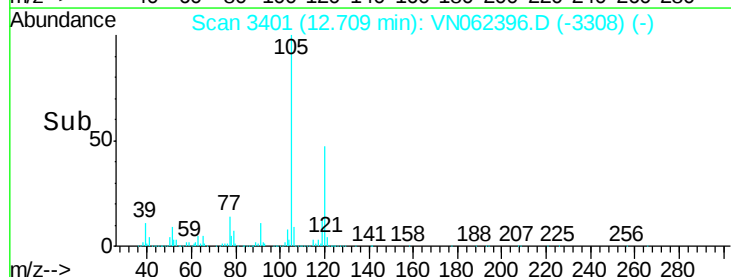
1000000

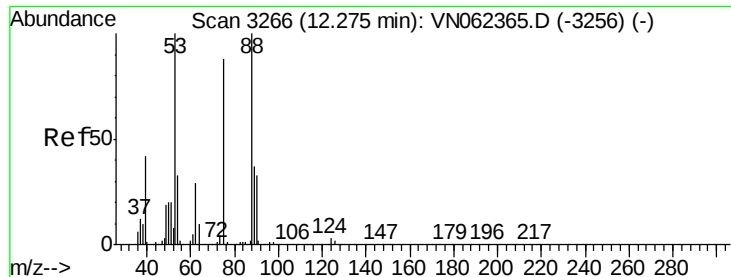
500000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 44.272 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

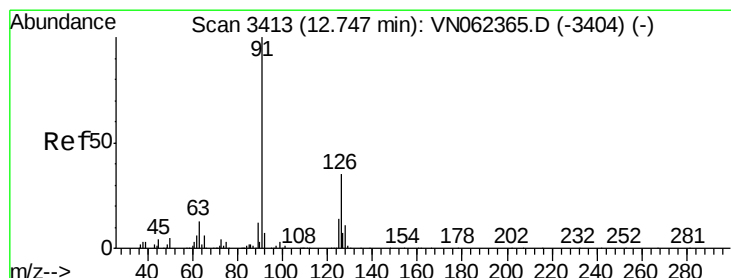
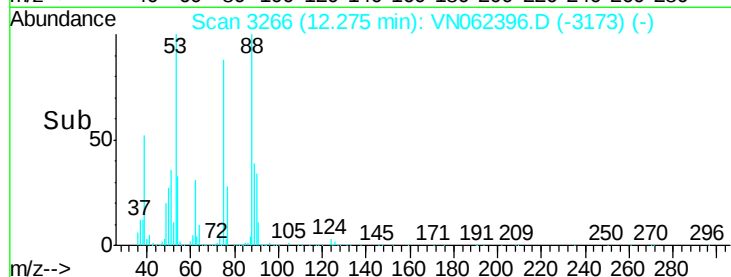
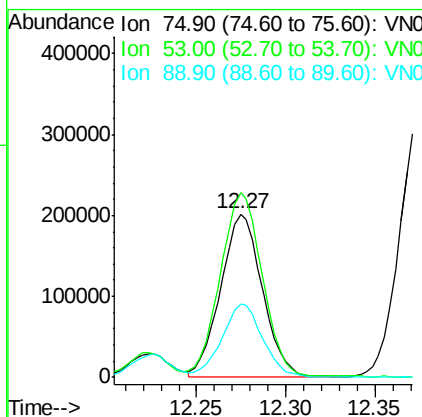
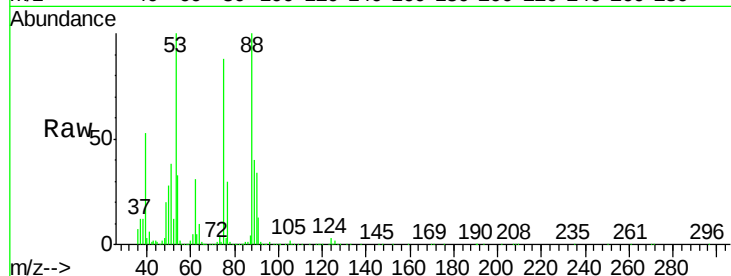
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	324147
Ion Ratio	Lower	Upper	
75	100		
53	115.6	92.3	138.5
89	44.2	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.546 ug/l

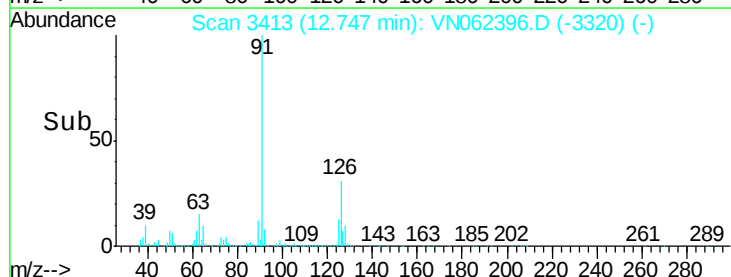
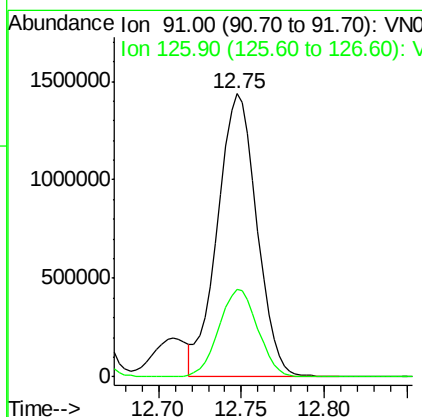
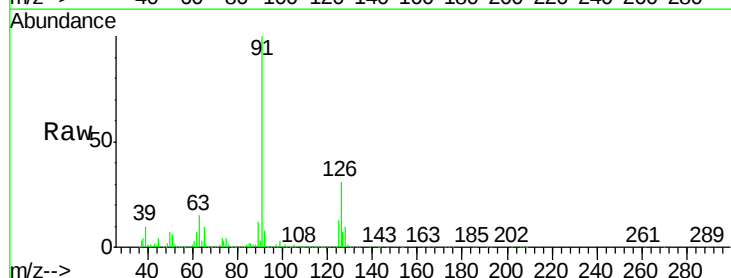
RT: 12.75 min Scan# 3413

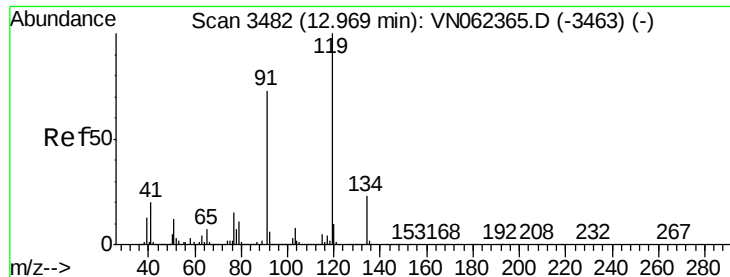
Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Tgt Ion:	91	Resp:	2359302
Ion Ratio	Lower	Upper	
91	100		
126	30.7	15.6	46.7





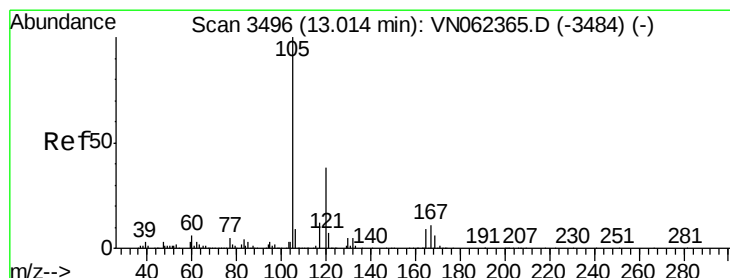
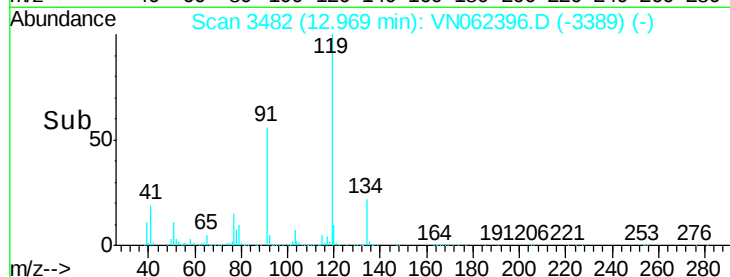
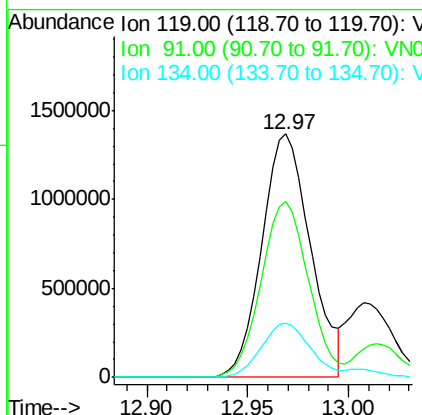
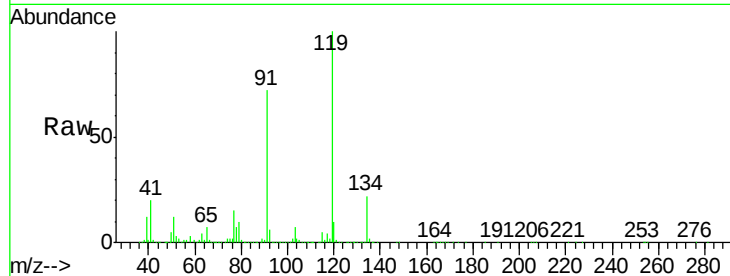
#83
tert-Butylbenzene
Concen: 50.288 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.3	36.4	109.1
134	22.7	11.7	35.0

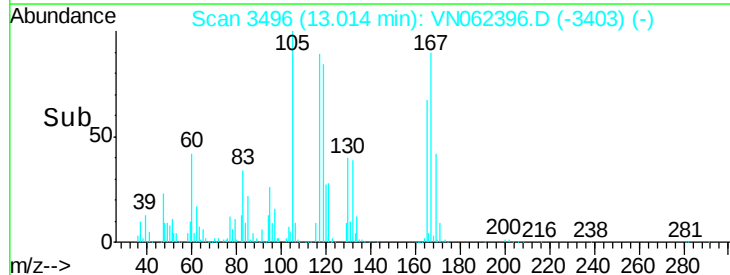
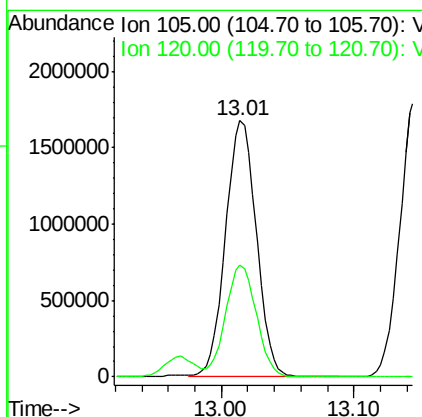
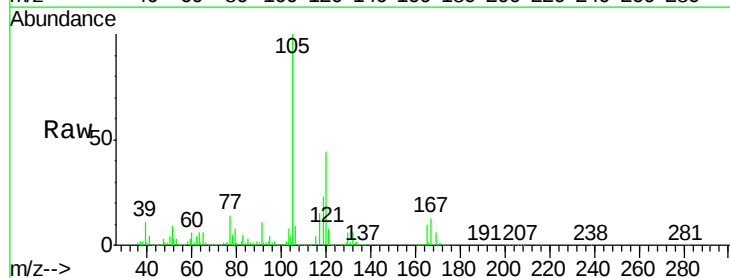
Manual Integrations
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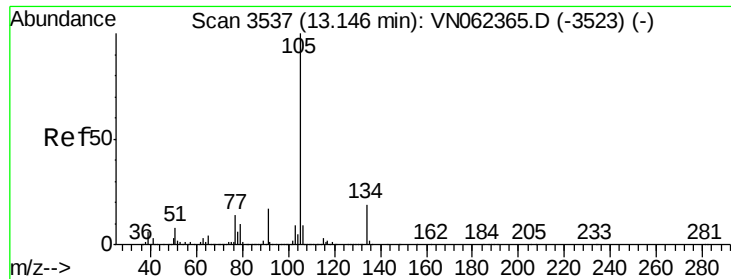
MMDadoda
7/7/2020 10:07:55 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.782 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.3





#85

sec-Butylbenzene

Concen: 51.233 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2999315

Ion Ratio Lower Upper

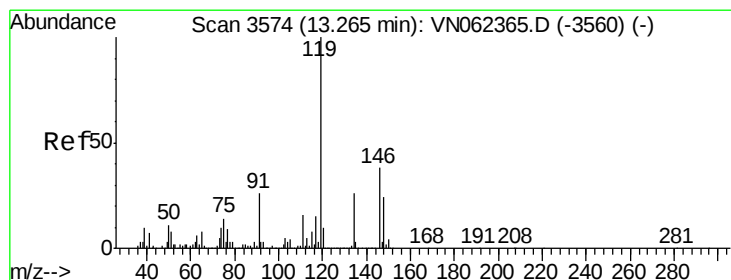
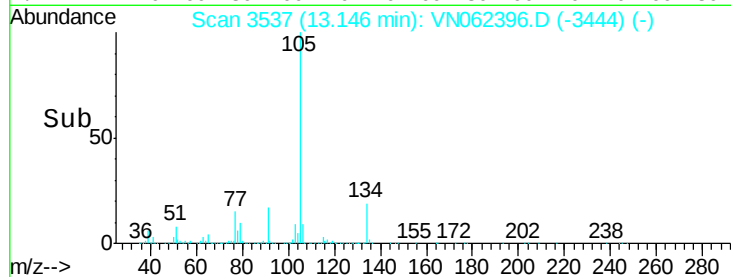
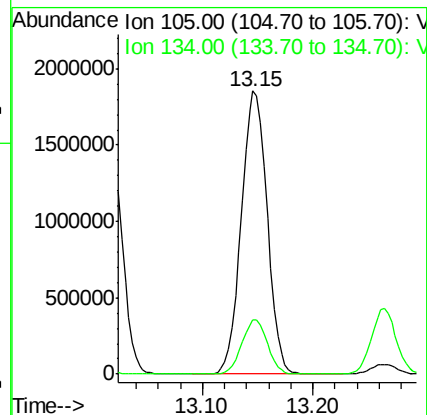
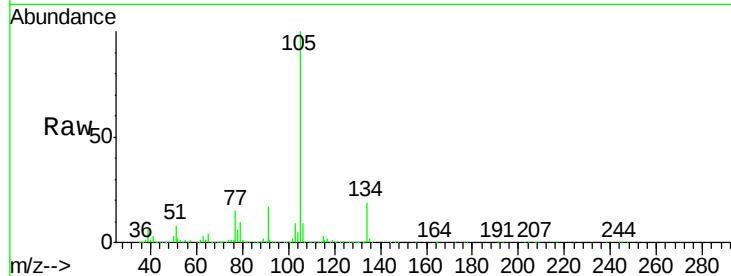
105 100

134 19.1 9.4 28.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.700 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

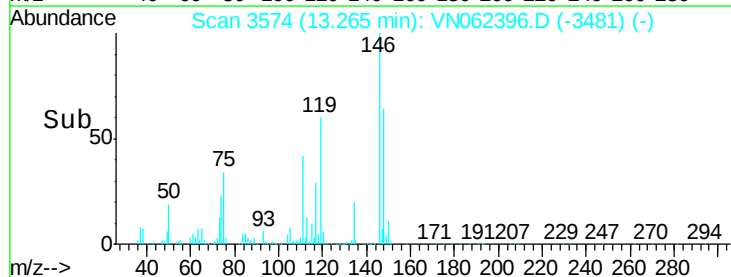
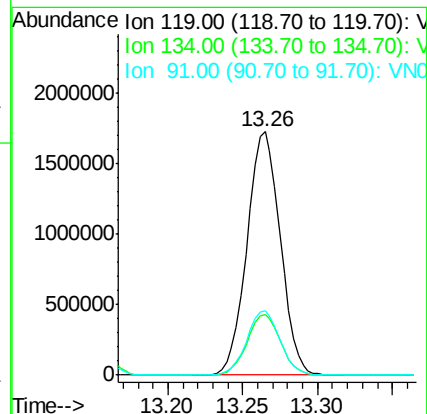
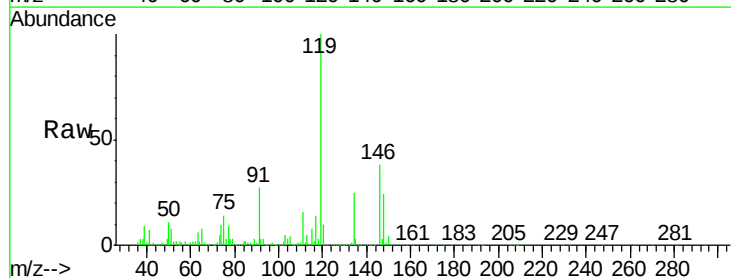
Tgt Ion:119 Resp: 2675020

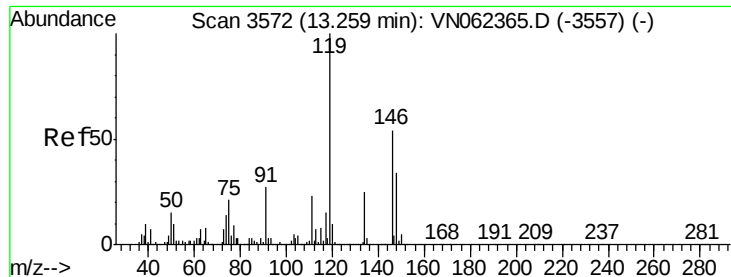
Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

91 26.2 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 49.145 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062396.D

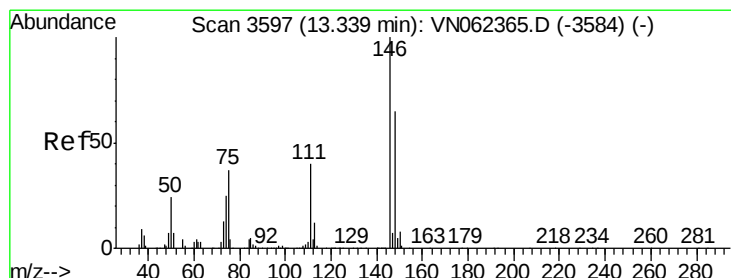
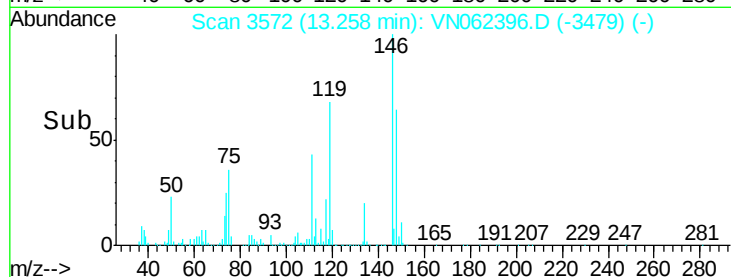
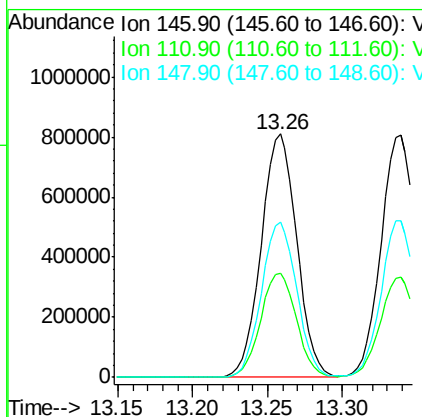
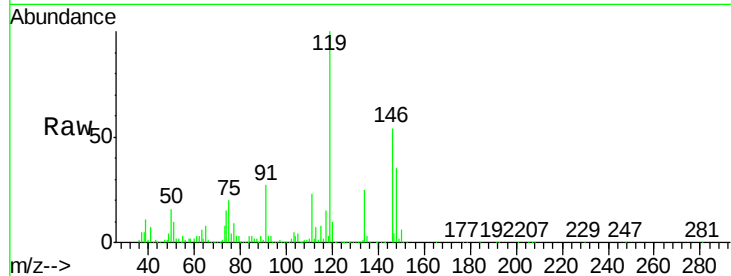
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.9
148	63.5	31.6	95.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.282 ug/l

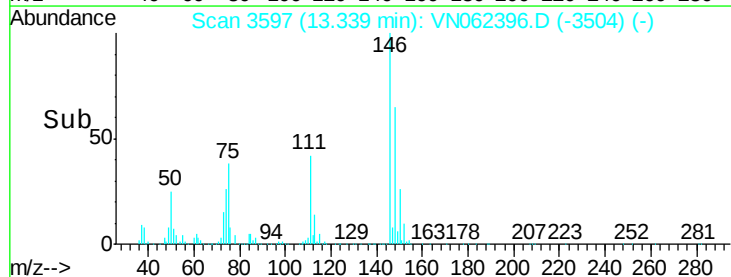
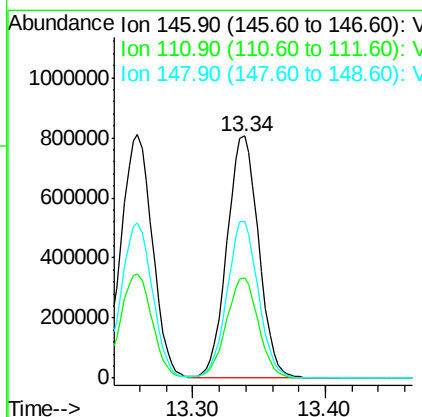
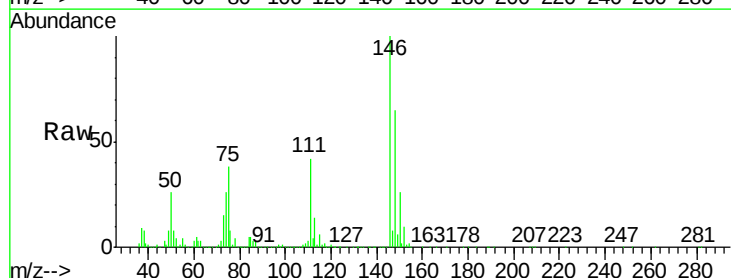
RT: 13.34 min Scan# 3597

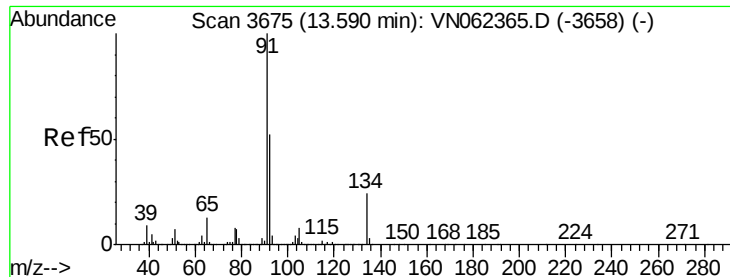
Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.6	61.8
148	64.1	31.8	95.4





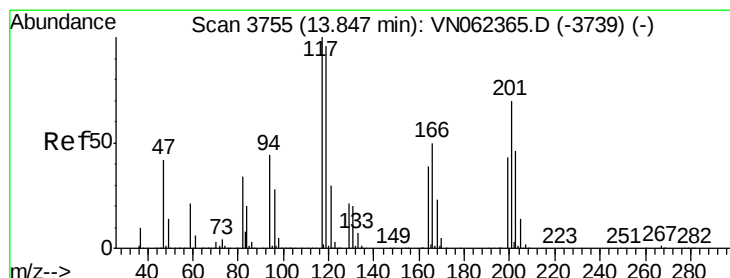
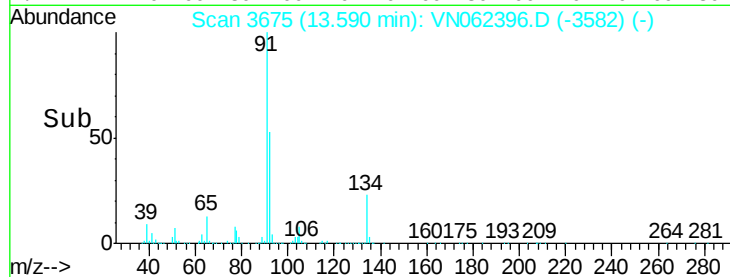
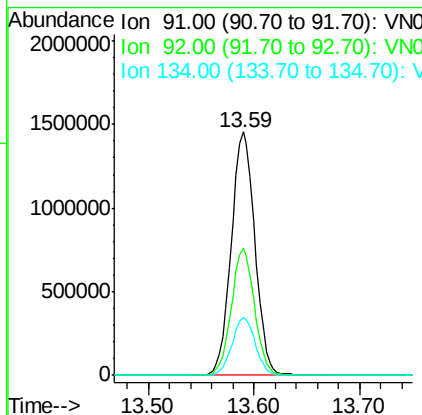
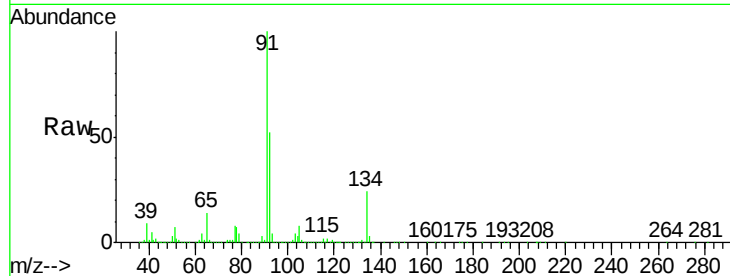
#89
n-Butylbenzene
Concen: 49.361 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.7	77.1
134	23.5	11.7	35.1

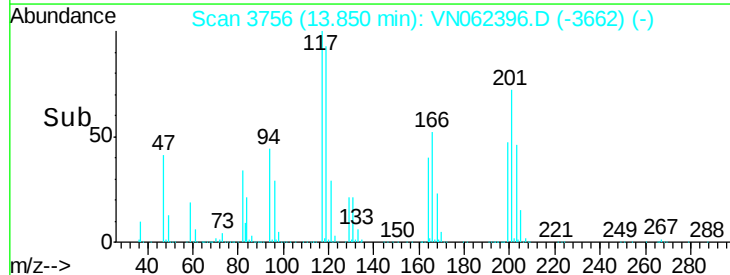
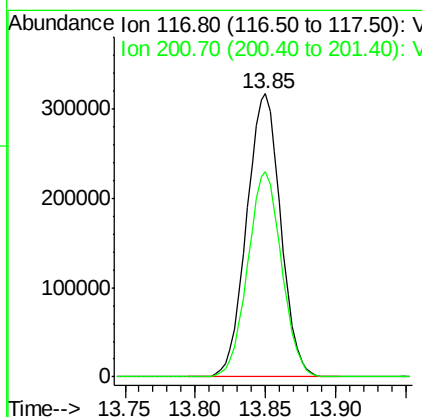
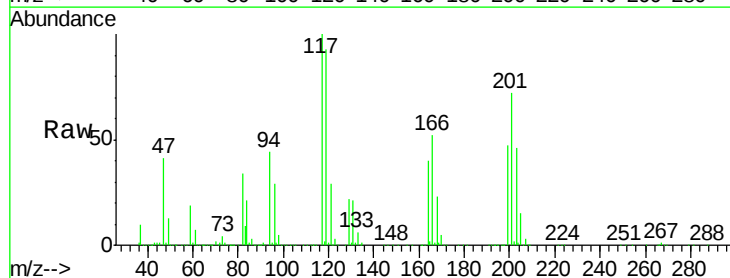
Manual Integrations
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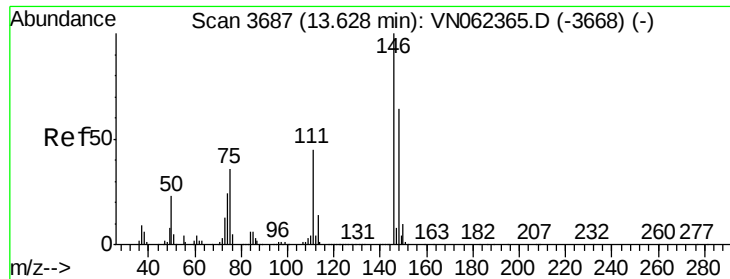
MMDadoda
7/7/2020 10:07:55 AM



#90
Hexachloroethane
Concen: 47.363 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062396.D
Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	35.4	106.2





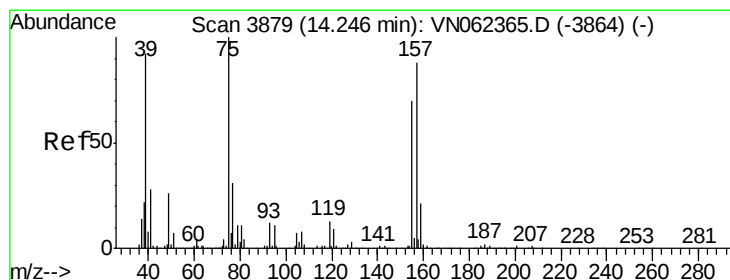
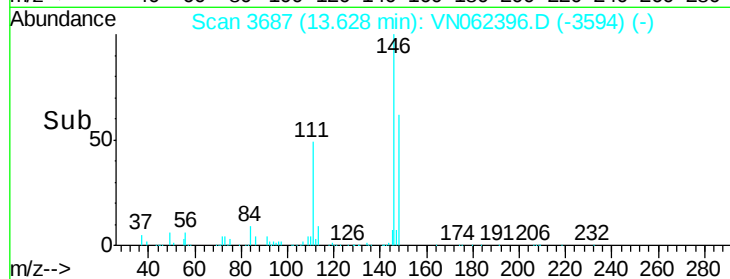
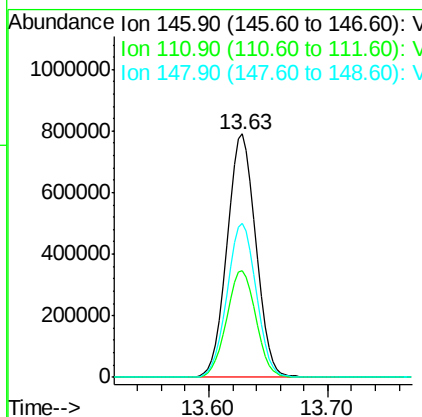
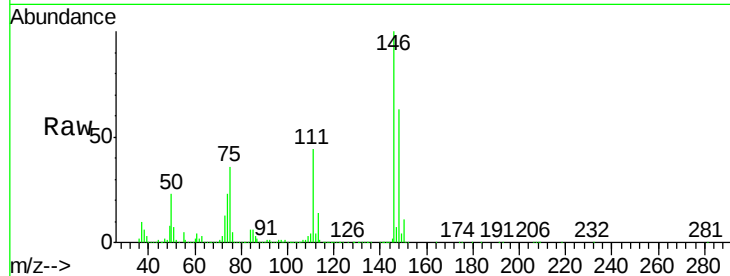
#91
 1,2-Dichlorobenzene
 Concen: 50.718 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion:146 Resp: 1324850
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.3 66.9
 148 64.0 32.4 97.0

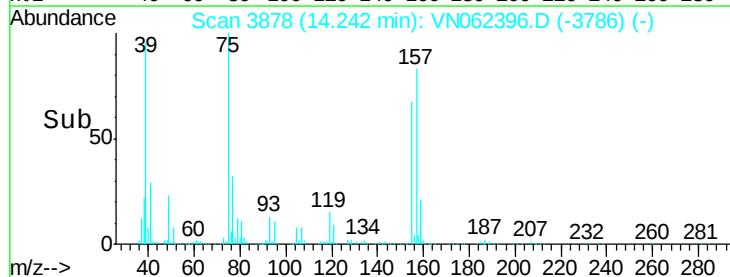
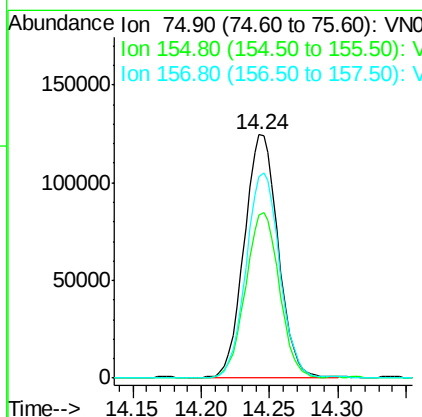
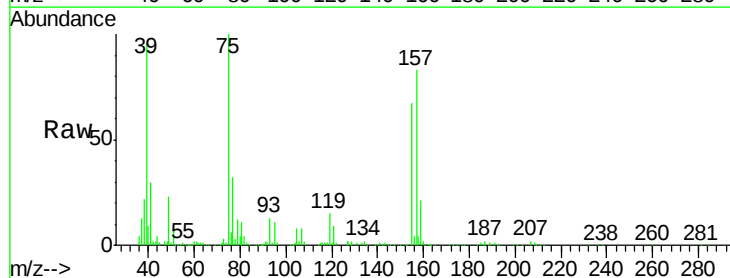
Manual Integrations
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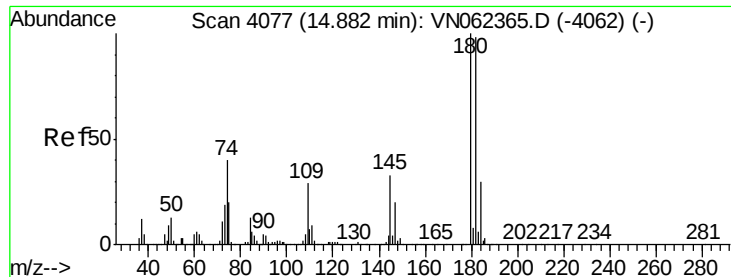
MMDadoda
 7/7/2020 10:07:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.065 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Tgt Ion: 75 Resp: 215652
 Ion Ratio Lower Upper
 75 100
 155 67.5 34.1 102.2
 157 83.4 43.3 129.8





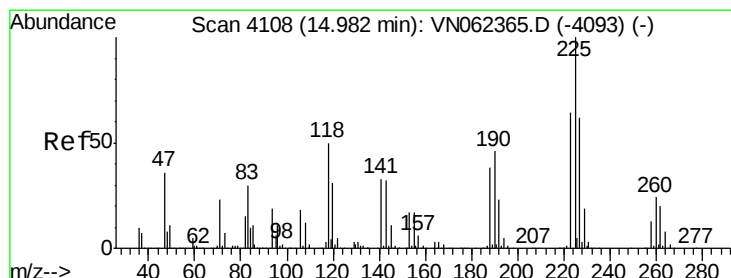
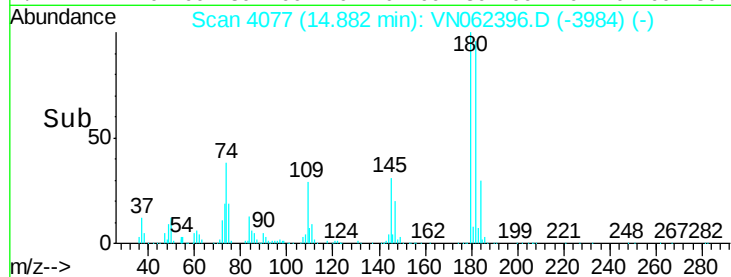
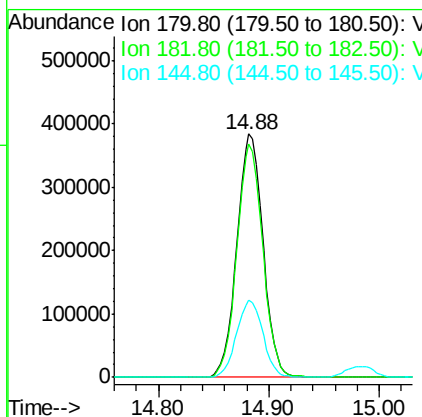
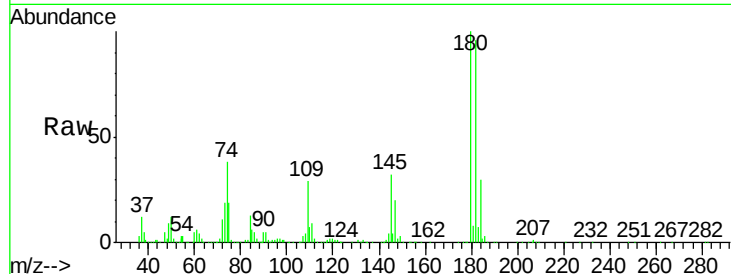
#93
 1,2,4-Trichlorobenzene
 Concen: 45.663 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	630630		
182	94.9	47.6	142.8	
145	32.0	15.9	47.7	

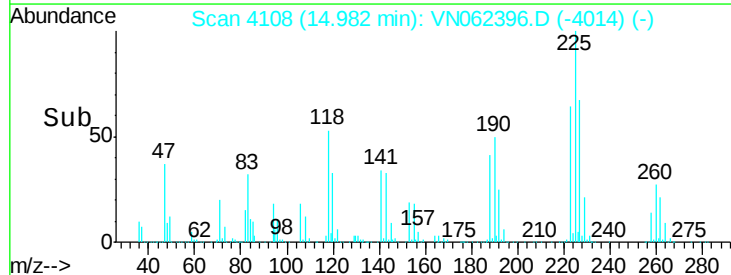
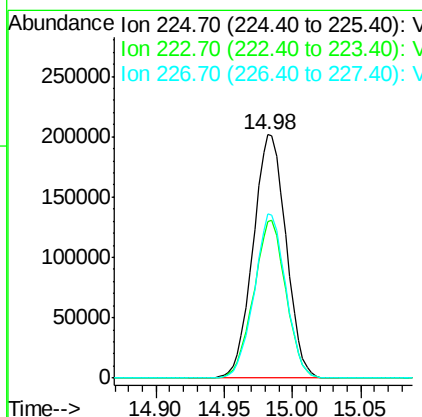
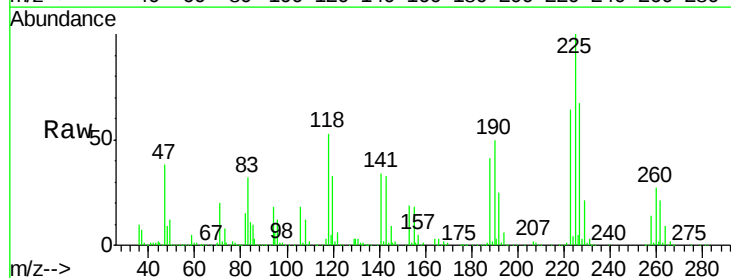
Manual Integrations
 APPROVED

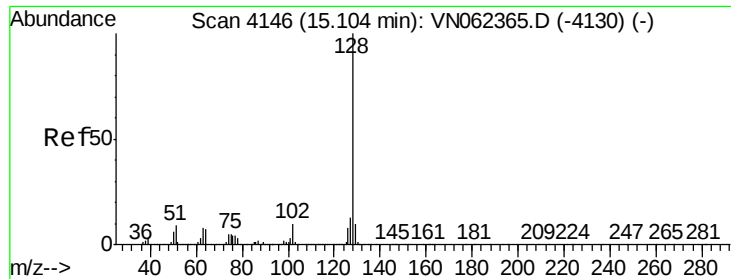
MMDadoda
 7/7/2020 10:07:55 AM



#94
 Hexachlorobutadiene
 Concen: 48.770 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062396.D
 Acq: 7 Jul 2020 4:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	337221		
223	63.4	31.7	95.1	
227	64.4	30.3	90.8	





#95

Naphthalene

Concen: 46.566 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Instrument :

MSVOA_N

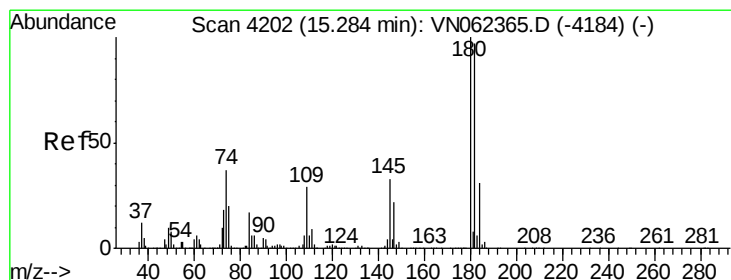
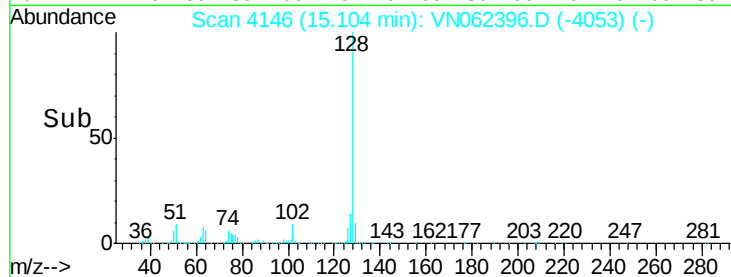
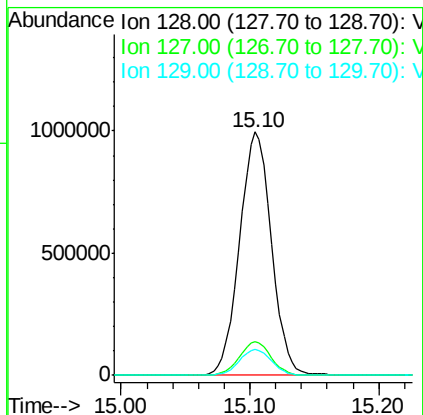
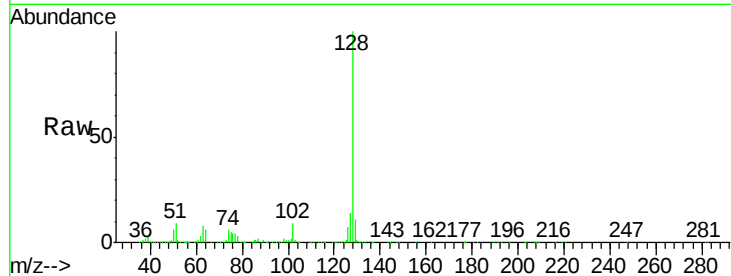
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	1714519
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:07:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.889 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062396.D

Acq: 7 Jul 2020 4:49

Tgt Ion:	180	Resp:	639818
Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.9	143.7
145	34.0	16.4	49.2

