

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056396.D
 Acq On : 20 Jun 2019 12:42
 Operator : JC/SP
 Sample : VN0620WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 10:50:33 PM

Quant Time: Jun 21 04:55:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	382975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	598582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	521375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	216631	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	7.59	113	189309	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.09	98	717496	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	234425	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	66160	20.402	ug/l	99
3) Chloromethane	2.06	50	86416	19.571	ug/l	100
4) Vinyl Chloride	2.18	62	86837	20.362	ug/l	99
5) Bromomethane	2.54	94	55476m	22.189	ug/l	
6) Chloroethane	2.69	64	49865	20.191	ug/l	99
7) Trichlorofluoromethane	3.00	101	110800	20.085	ug/l	98
8) Diethyl Ether	3.41	74	47267	20.245	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70244	19.967	ug/l	100
10) Methyl Iodide	3.95	142	95663	20.119	ug/l	98
11) Tert butyl alcohol	4.79	59	73660	103.037	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	67359	19.910	ug/l	97
13) Acrolein	3.61	56	53018	87.994	ug/l	97
14) Allyl chloride	4.32	41	113578	20.168	ug/l	99
15) Acrylonitrile	4.99	53	198784	100.511	ug/l	98
16) Acetone	3.82	43	176828	83.151	ug/l	98
17) Carbon Disulfide	4.05	76	151554	19.695	ug/l	99
18) Methyl Acetate	4.33	43	88081	20.638	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	231995	20.724	ug/l	99
20) Methylene Chloride	4.55	84	80729	19.596	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	72886	19.982	ug/l	98
22) Diisopropyl ether	5.96	45	242254	20.483	ug/l	95
23) Vinyl Acetate	5.90	43	992576	106.402	ug/l	100
24) 1,1-Dichloroethane	5.85	63	139266	20.513	ug/l	99
25) 2-Butanone	6.84	43	269873	95.885	ug/l	99
26) 2,2-Dichloropropane	6.82	77	90175	19.097	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	88159	20.659	ug/l	98
28) Bromochloromethane	7.20	49	67085	19.977	ug/l	99
29) Tetrahydrofuran	7.21	42	179303	104.247	ug/l	100
30) Chloroform	7.37	83	135481	20.223	ug/l	99
31) Cyclohexane	7.65	56	130068	19.844	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	108008	20.340	ug/l	98
36) 1,1-Dichloropropene	7.79	75	102790	19.510	ug/l	99
37) Ethyl Acetate	6.93	43	108125	20.883	ug/l	99
38) Carbon Tetrachloride	7.77	117	90185	19.574	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124694	19.181	ug/l	98
40) Benzene	8.04	78	318075	19.627	ug/l	98
41) Methacrylonitrile	7.18	41	50280m	21.991	ug/l	
42) 1,2-Dichloroethane	8.12	62	103443	19.341	ug/l	100
43) Isopropyl Acetate	8.17	43	159780	20.013	ug/l	99
44) Trichloroethene	8.83	130	85136	19.502	ug/l	100
45) 1,2-Dichloropropane	9.12	63	83289	19.217	ug/l	99
46) Dibromomethane	9.21	93	54760	20.195	ug/l	98
47) Bromodichloromethane	9.40	83	95824	19.925	ug/l	98
48) Methyl methacrylate	9.20	41	77741	19.431	ug/l	99
49) 1,4-Dioxane	9.20	88	27941	336.531	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	521159	101.136	ug/l	99
52) Toluene	10.16	92	195684	19.750	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	96040	19.046	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	118638	20.485	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	81132	20.371	ug/l	98
56) Ethyl methacrylate	10.43	69	119937	20.607	ug/l	98
57) 1,3-Dichloropropane	10.71	76	135158	20.201	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	194378	92.961	ug/l	99
59) 2-Hexanone	10.75	43	360399	95.159	ug/l	98
60) Dibromochloromethane	10.90	129	72782	19.314	ug/l	99
61) 1,2-Dibromoethane	11.01	107	81591	20.059	ug/l	99
64) Tetrachloroethene	10.63	164	80233	19.432	ug/l	98
65) Chlorobenzene	11.43	112	206507	19.712	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	71664	20.240	ug/l	97
67) Ethyl Benzene	11.51	91	366584	19.929	ug/l	99
68) m/p-Xylenes	11.62	106	269855	40.030	ug/l	99
69) o-Xylene	11.95	106	133019	19.945	ug/l	100
70) Styrene	11.96	104	215048	20.172	ug/l	100
71) Bromoform	12.13	173	48520	19.061	ug/l #	97
73) Isopropylbenzene	12.25	105	354562	22.825	ug/l	100
74) N-amyl acetate	12.07	43	127256	20.571	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	110358	22.740	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	95895m	23.792	ug/l	
77) Bromobenzene	12.53	156	90813	20.894	ug/l	98
78) n-propylbenzene	12.59	91	368918	20.725	ug/l	100
79) 2-Chlorotoluene	12.67	91	227300	21.864	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	288844	22.363	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	21935	19.343	ug/l	92
82) 4-Chlorotoluene	12.77	91	208854	19.872	ug/l	100
83) tert-Butylbenzene	12.99	119	249922	21.895	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	274389	20.969	ug/l	99
85) sec-Butylbenzene	13.17	105	325962	20.834	ug/l	100
86) p-Isopropyltoluene	13.29	119	280443	20.886	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	132374	20.097	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	124938	19.586	ug/l	99
89) n-Butylbenzene	13.61	91	196856	19.367	ug/l	99
90) Hexachloroethane	13.87	117	42034	20.080	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	134023	20.509	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15065	20.946	ug/l	98

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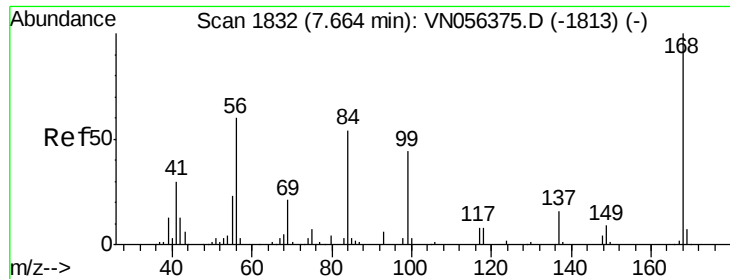
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49936	18.640	ug/l	100
94) Hexachlorobutadiene	15.01	225	46610	19.917	ug/l	99
95) Naphthalene	15.13	128	140051	19.340	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57379	19.295	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion:168 Resp: 382975

Ion Ratio Lower Upper

168 100

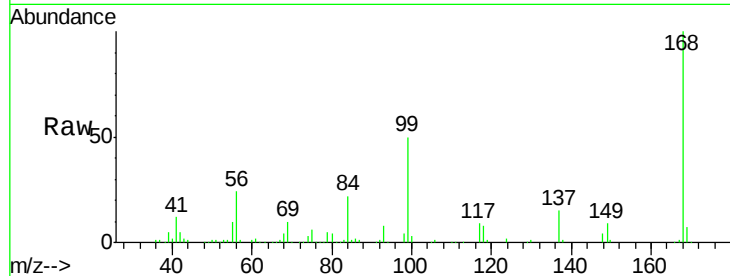
99 49.3 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

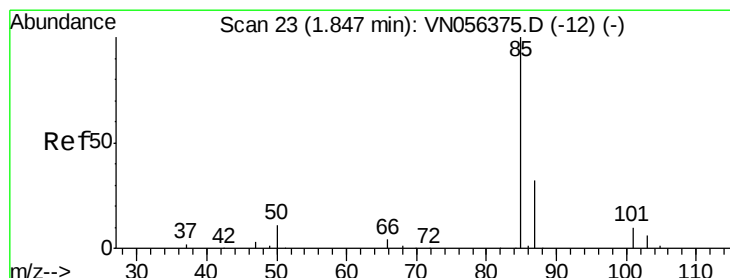
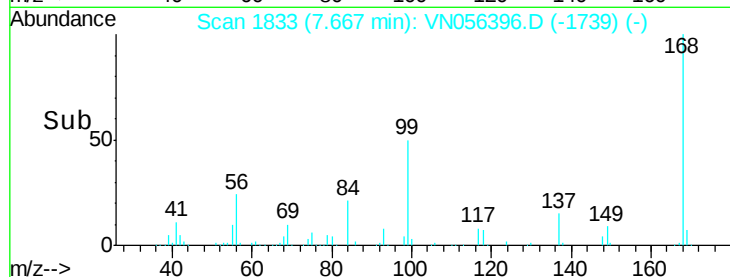
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.402 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056396.D

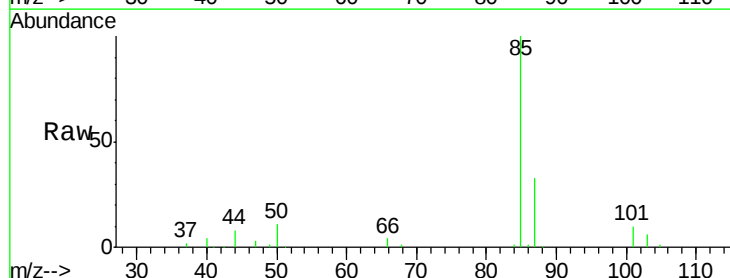
Acq: 20 Jun 2019 12:42

Tgt Ion: 85 Resp: 66160

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

50000

40000

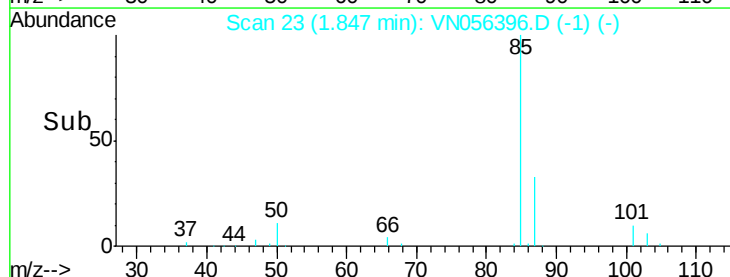
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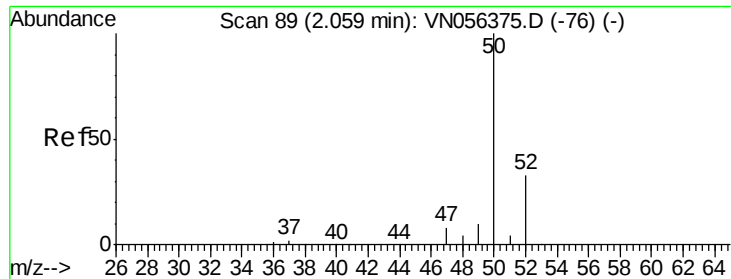
20000

10000

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Time-->





#3

Chloromethane

Concen: 19.571 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion: 50 Resp: 86416

Ion Ratio Lower Upper

50 100

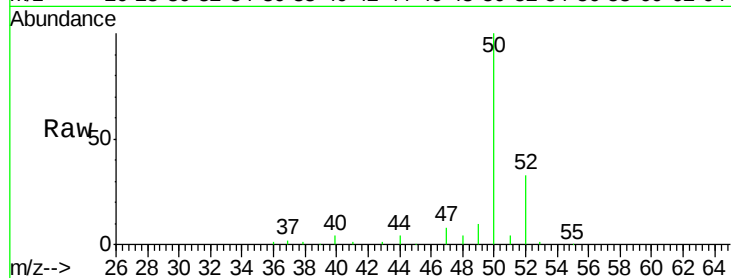
52 33.2 26.5 39.7

Manual Integrations

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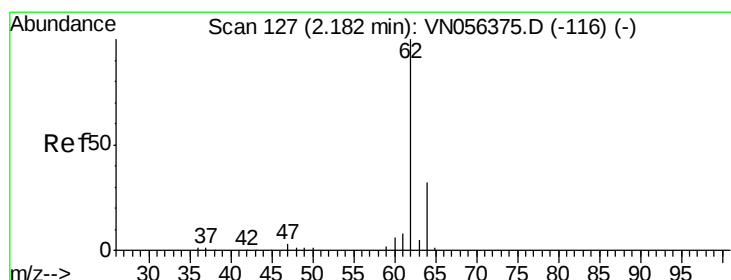
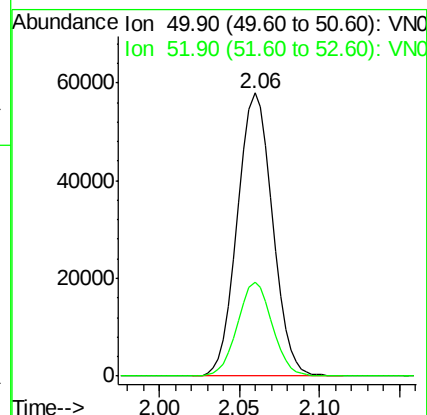
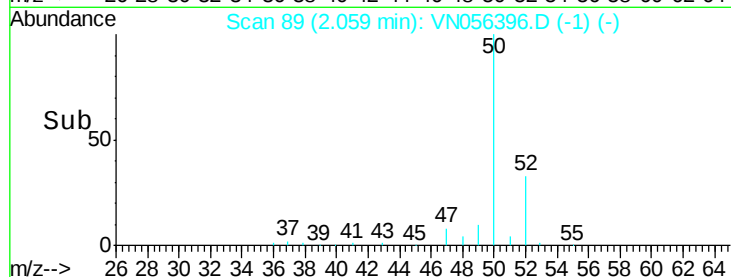
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.362 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056396.D

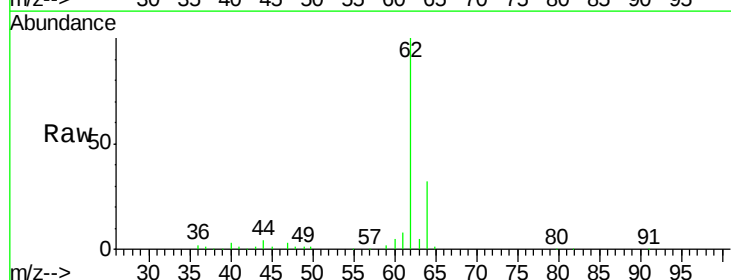
Acq: 20 Jun 2019 12:42

Tgt Ion: 62 Resp: 86837

Ion Ratio Lower Upper

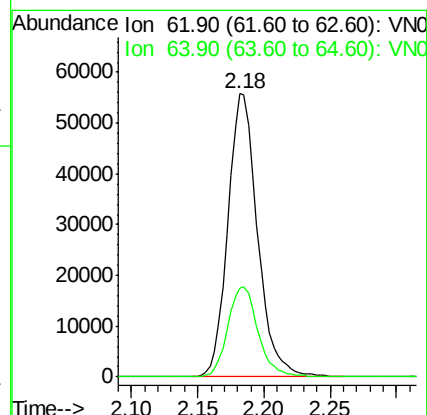
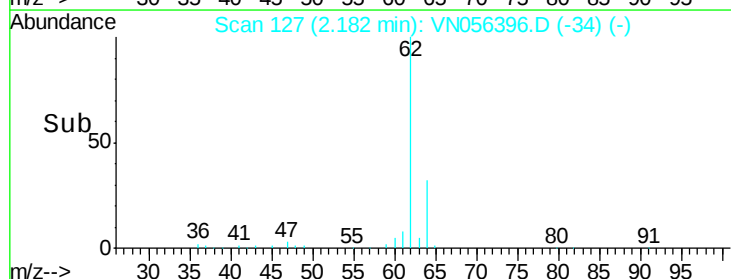
62 100

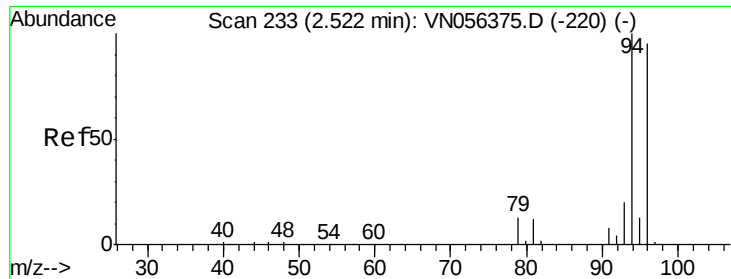
64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 22.189 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion: 94 Resp: 55476

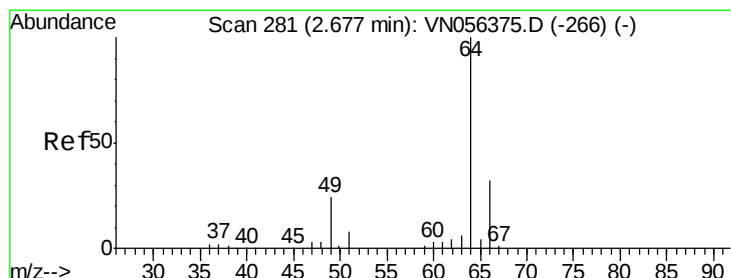
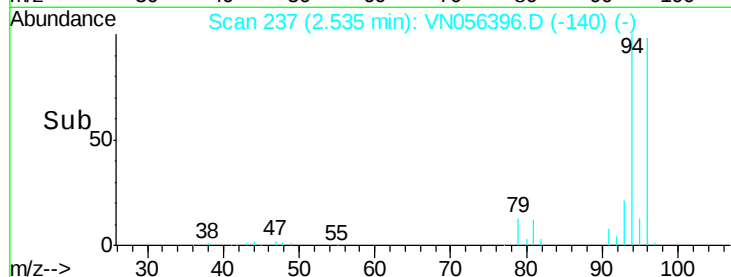
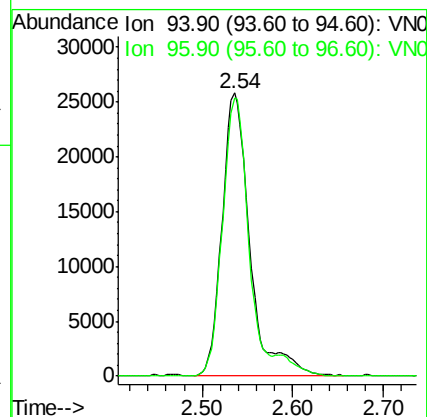
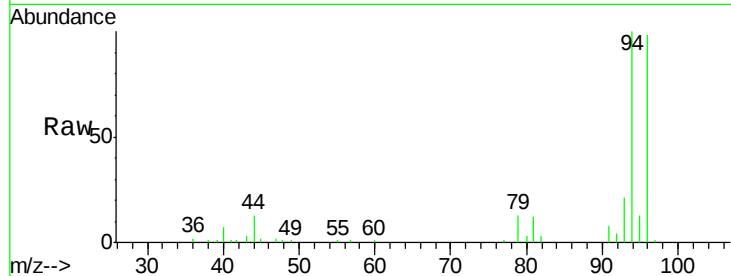
Ion Ratio Lower Upper

94 100

96 98.2 76.0 114.0

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#6

Chloroethane

Concen: 20.191 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN056396.D

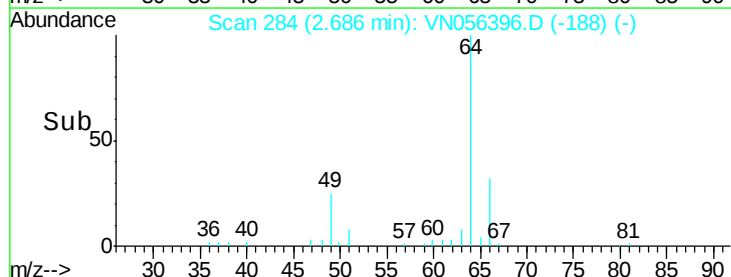
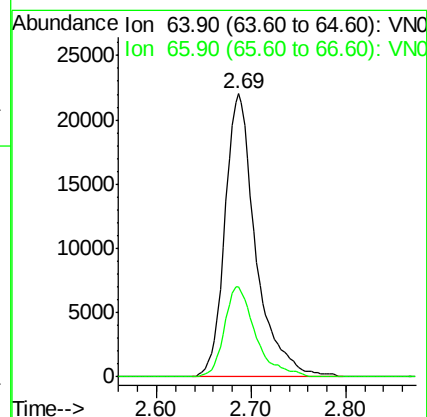
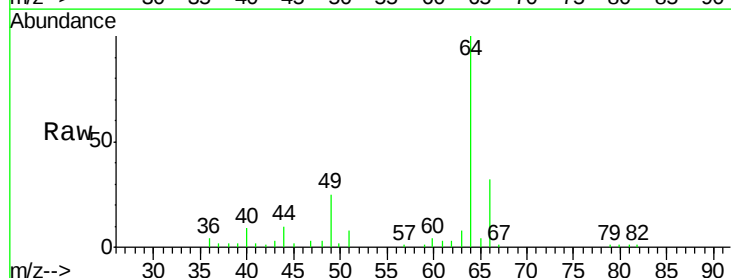
Acq: 20 Jun 2019 12:42

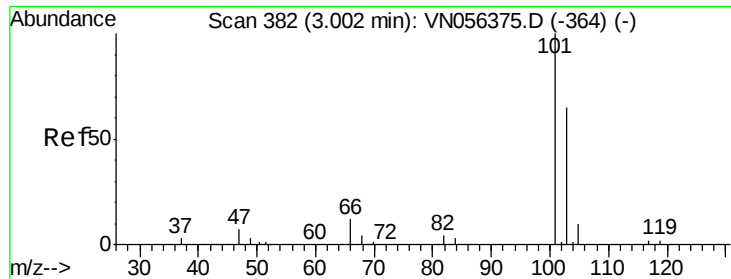
Tgt Ion: 64 Resp: 49865

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.8





#7

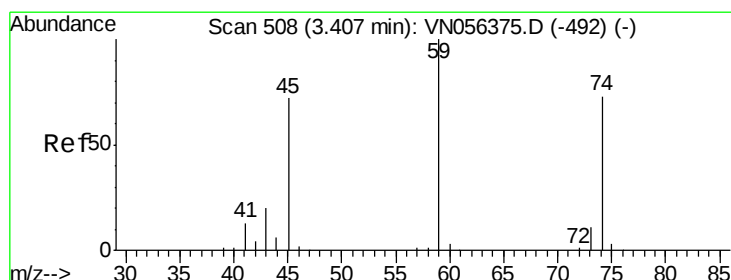
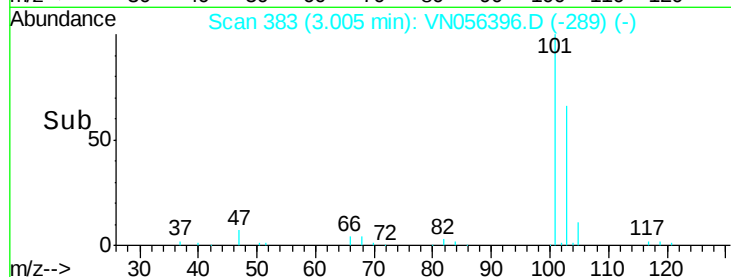
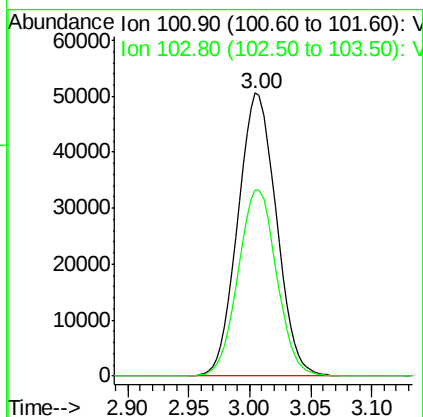
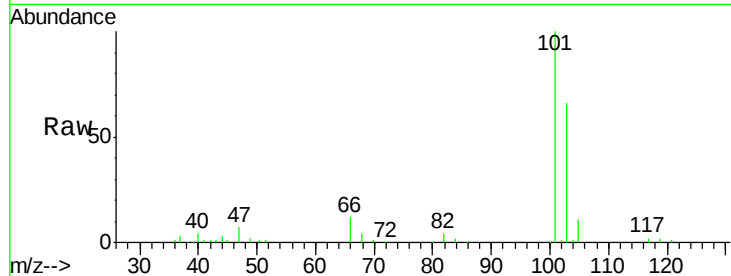
Trichlorofluoromethane
Concen: 20.085 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion:101 Resp: 110800
Ion Ratio Lower Upper
101 100
103 65.8 51.7 77.5

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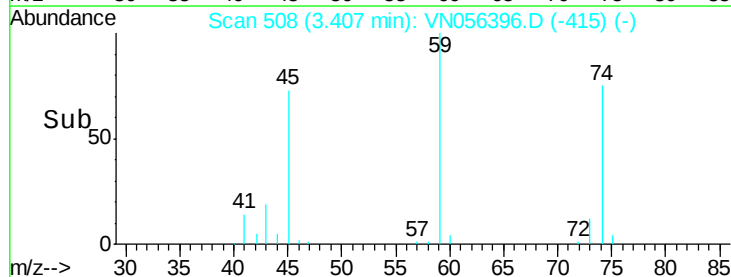
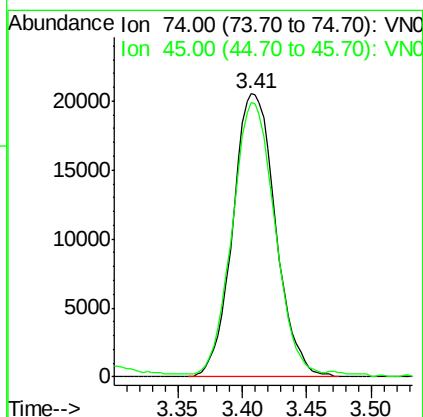
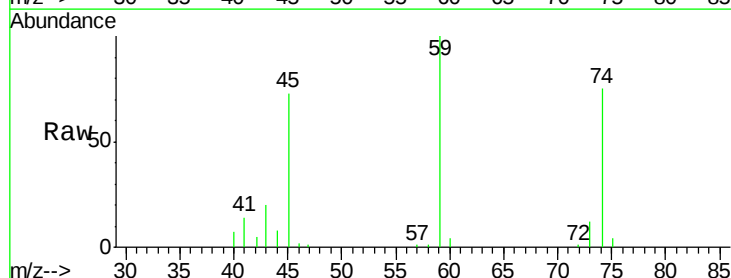
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6/21/2019 10:50:33 PM

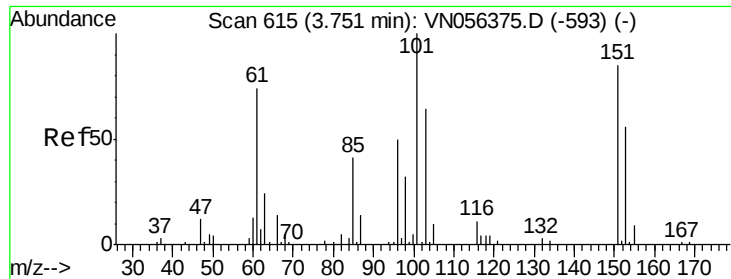


#8

Diethyl Ether
Concen: 20.245 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion: 74 Resp: 47267
Ion Ratio Lower Upper
74 100
45 94.6 48.9 146.6





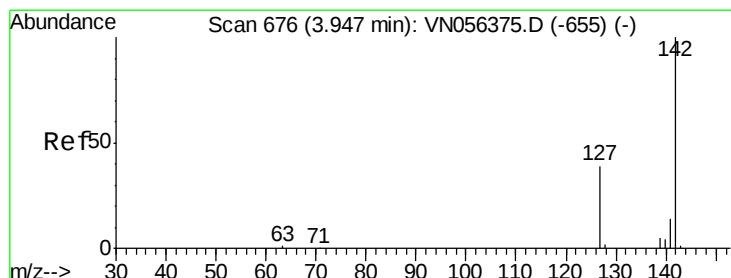
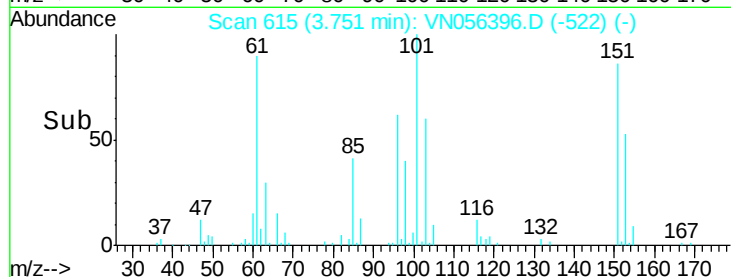
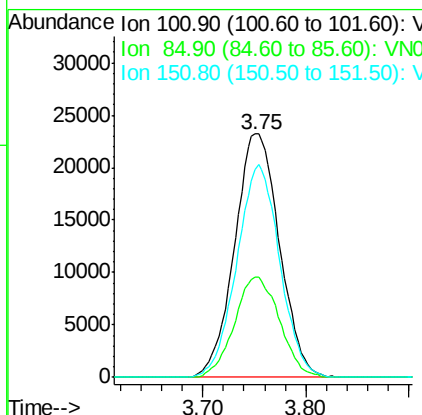
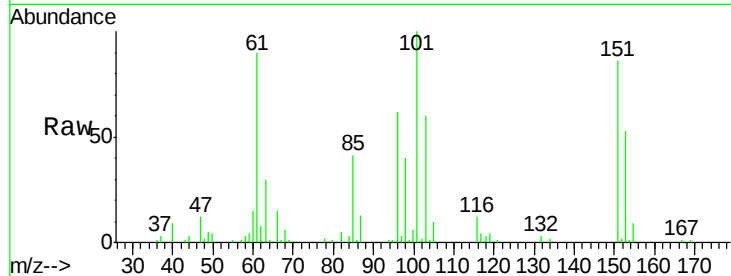
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.967 ug/l
RT: 3.75 min Scan# 615
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

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Tot Ion	Ratio	Lower	Upper
101	100		
85	41.2	32.7	49.1
151	83.6	66.8	100.2

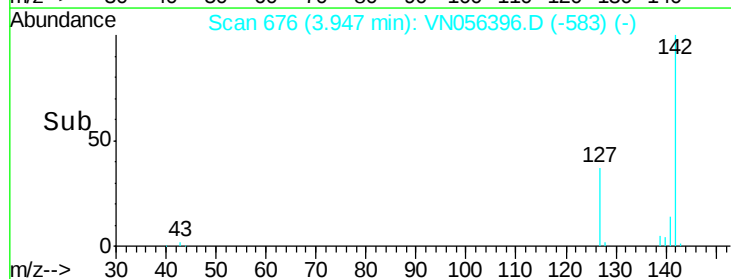
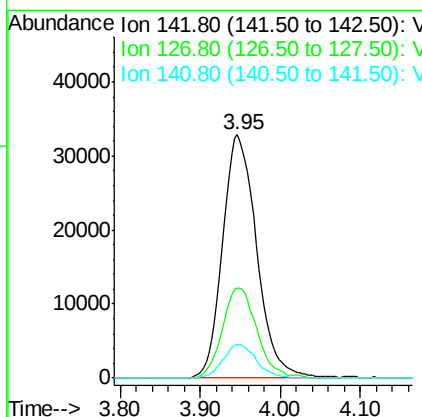
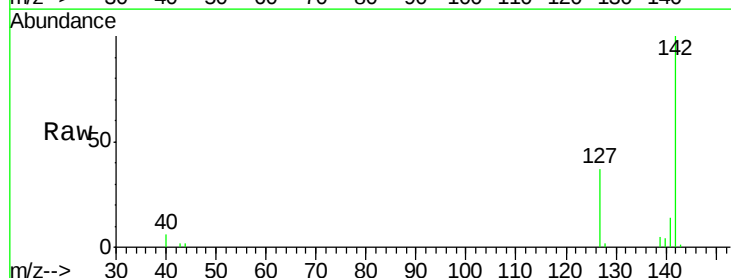
Manual Integrations
APPROVED

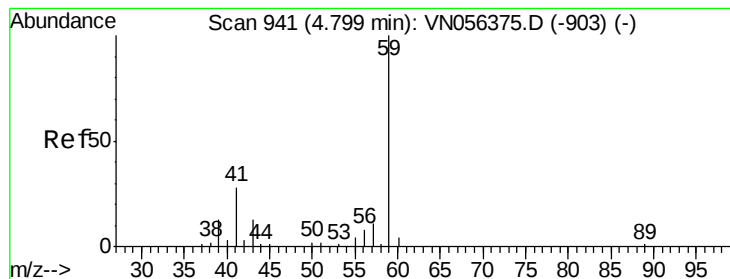
MMDadoda
6/21/2019 10:50:33 PM



#10
Methyl Iodide
Concen: 20.119 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
142	100		
127	37.4	30.6	46.0
141	13.5	11.4	17.2





#11

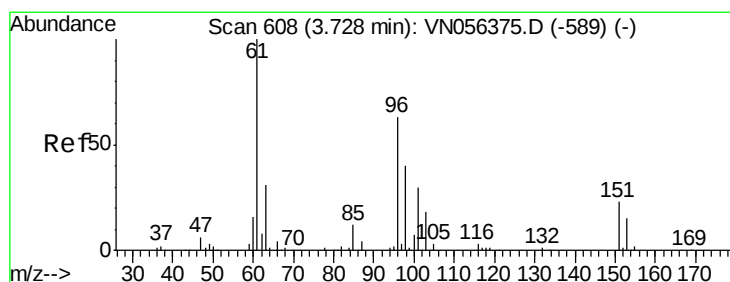
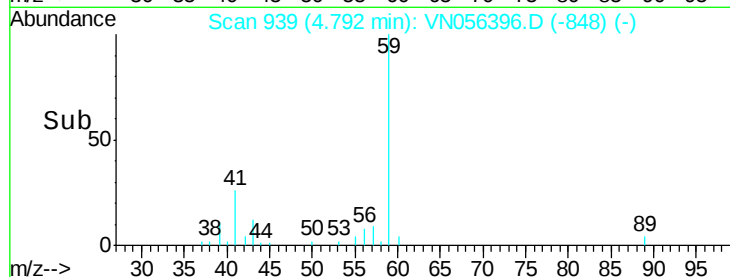
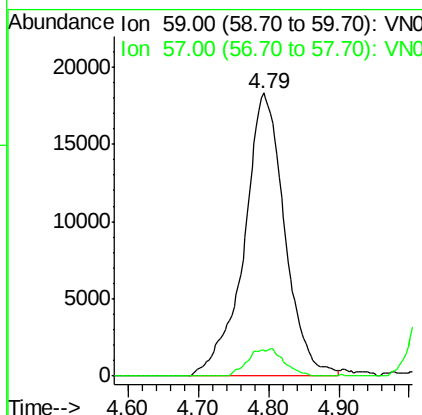
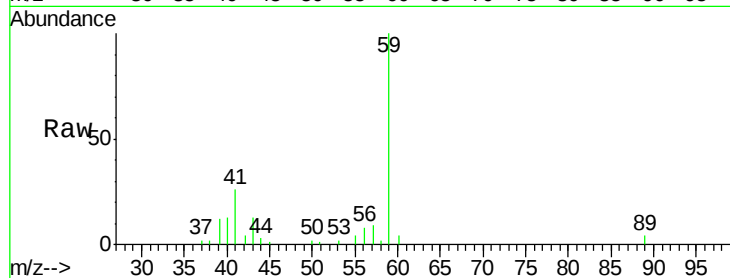
Tert butyl alcohol
Concen: 103.037 ug/l
RT: 4.79 min Scan# 939
Delta R.T. -0.01 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	73660		
57	57	4.4		7.6	11.4#

Manual Integrations
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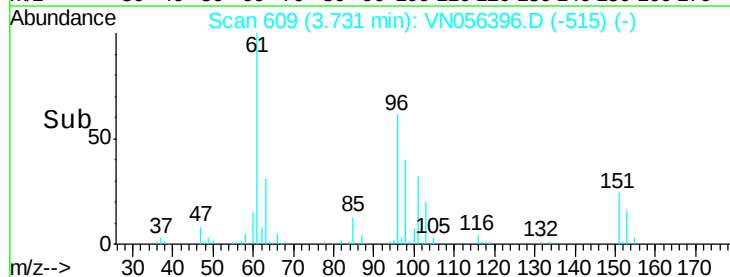
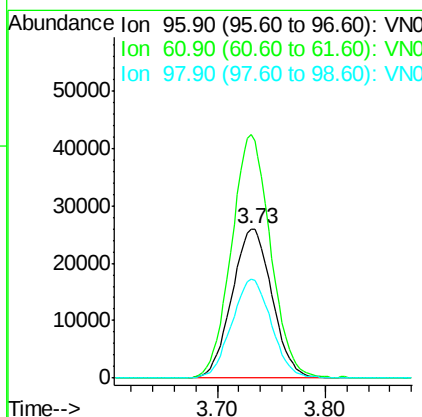
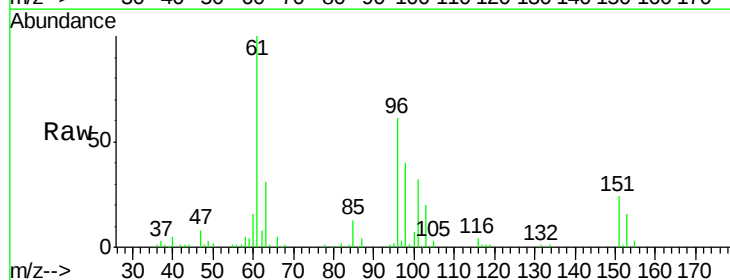
MMDadoda
6/21/2019 10:50:33 PM

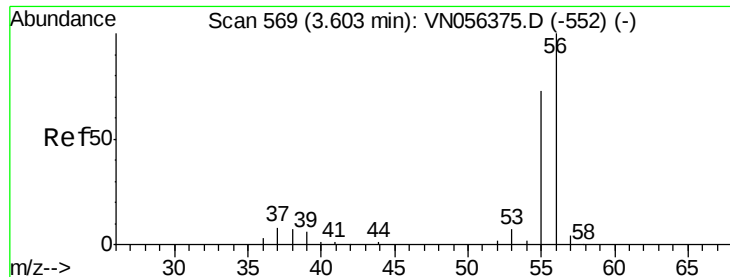


#12

1,1-Dichloroethene
Concen: 19.910 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	67359		
61	61	163.2		126.6	190.0
98	98	66.0		51.1	76.7





#13

Acrolein

Concen: 87.994 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

ClientSampleID :

VN0620WBSD01

Tot Ion: 56 Resp: 53018

Ion Ratio Lower Upper

56 100

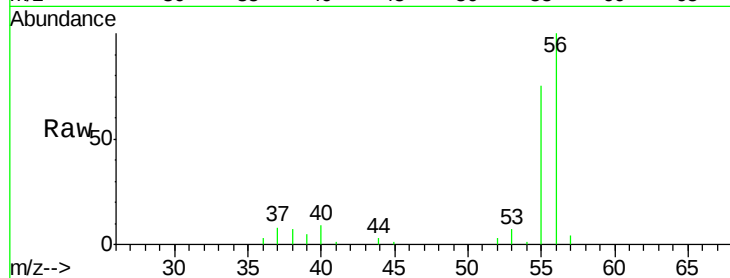
55 73.6 57.1 85.7

Manual Integrations

APPROVED

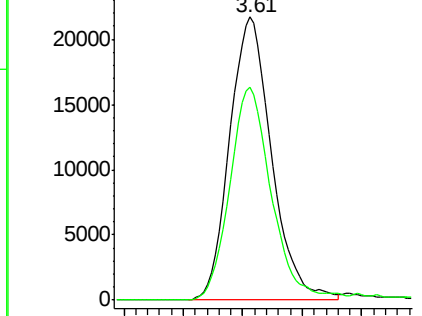
MMDadoda

6/21/2019 10:50:33 PM

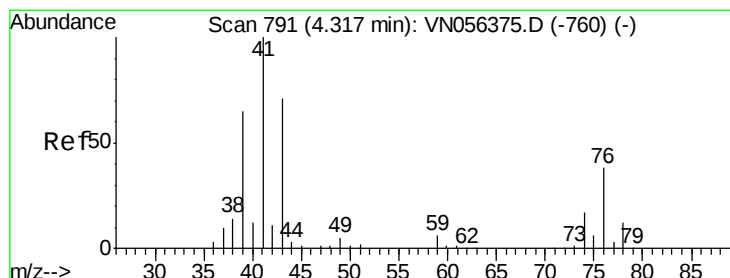
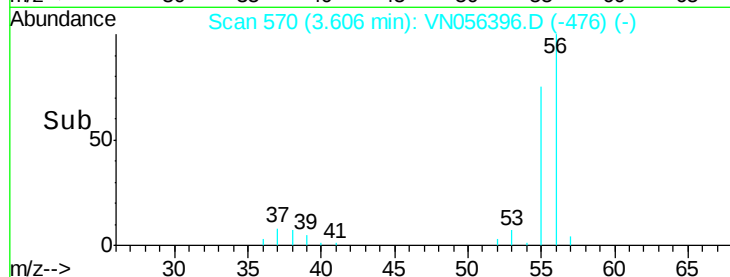


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time--> 3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 20.168 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

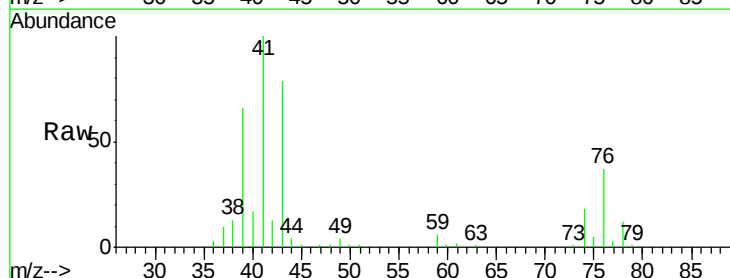
Tgt Ion: 41 Resp: 113578

Ion Ratio Lower Upper

41 100

39 61.9 48.6 73.0

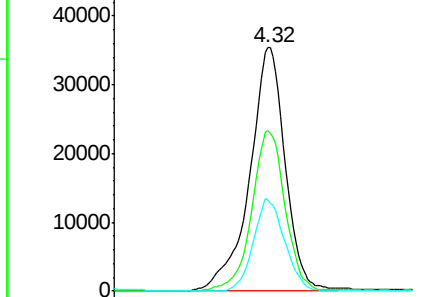
76 33.3 26.6 40.0



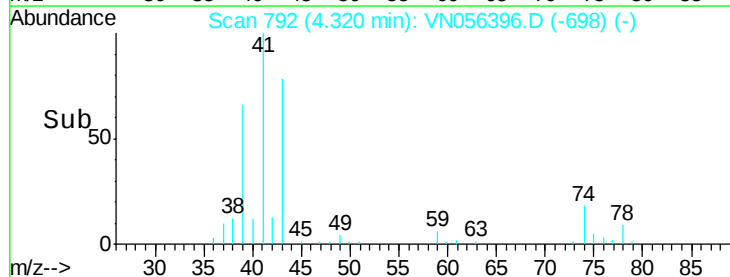
Abundance Ion 41.00 (40.70 to 41.70): VN0

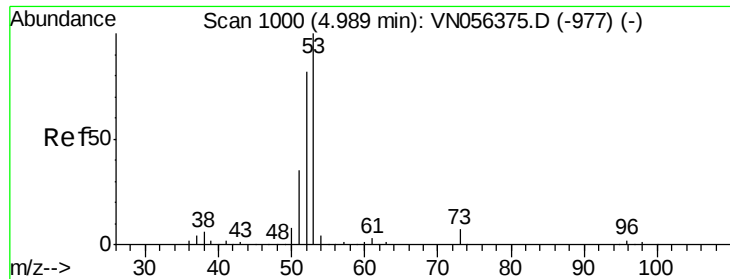
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time--> 4.20 4.30 4.40





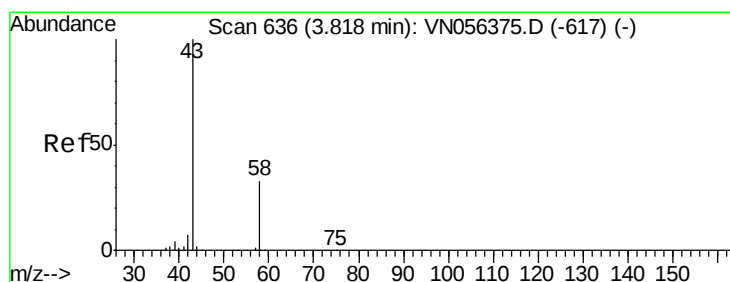
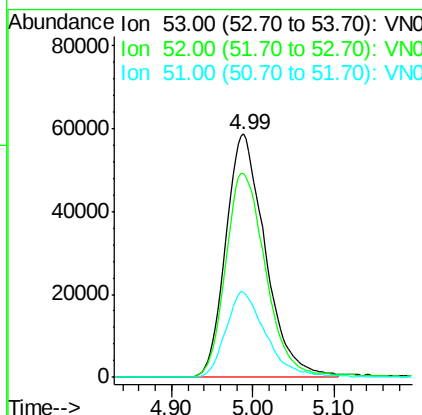
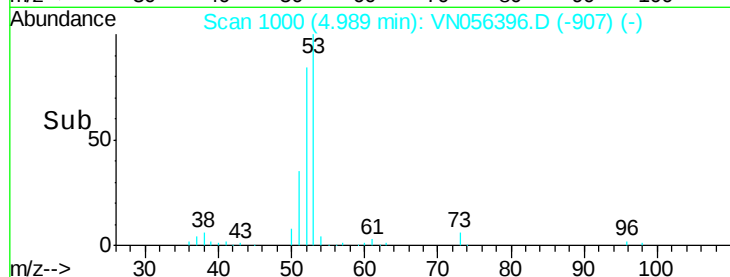
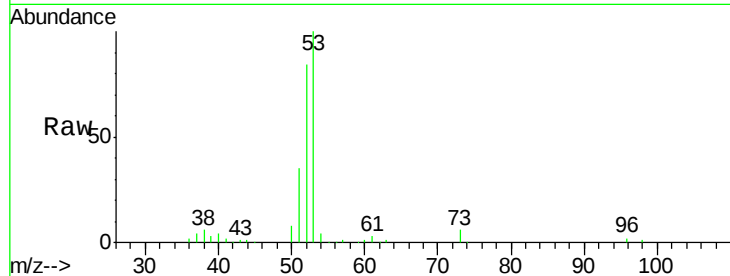
#15
 Acrylonitrile
 Concen: 100.511 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.2	65.9	98.9
51	35.7	28.3	42.5

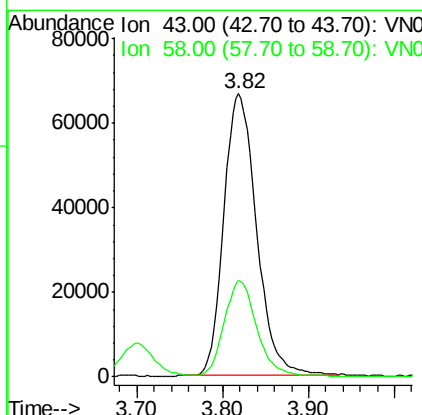
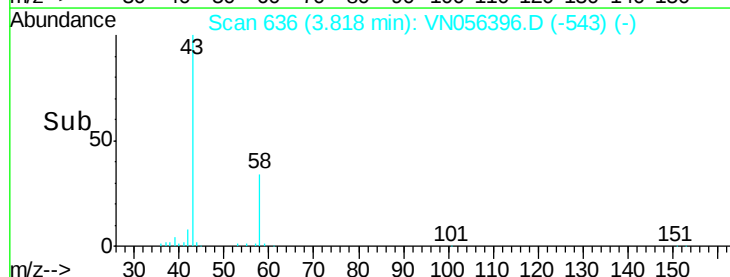
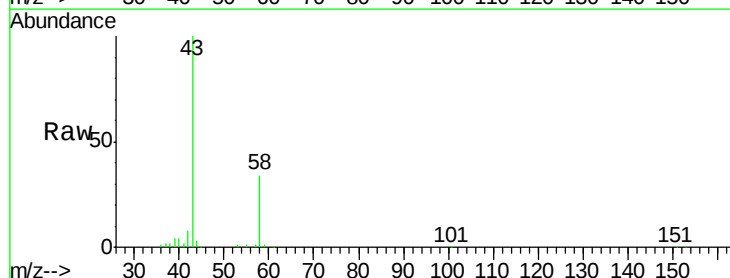
Manual Integrations
 APPROVED

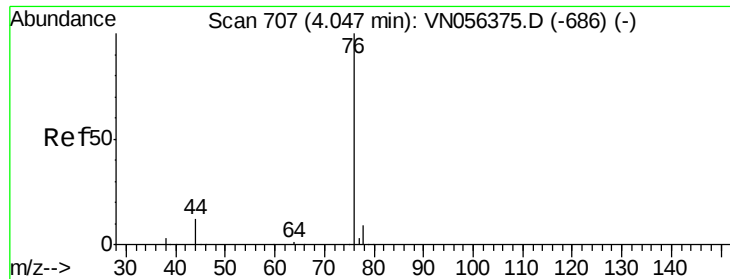
MMDadoda
 6/21/2019 10:50:33 PM



#16
 Acetone
 Concen: 83.151 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	26.4	39.6





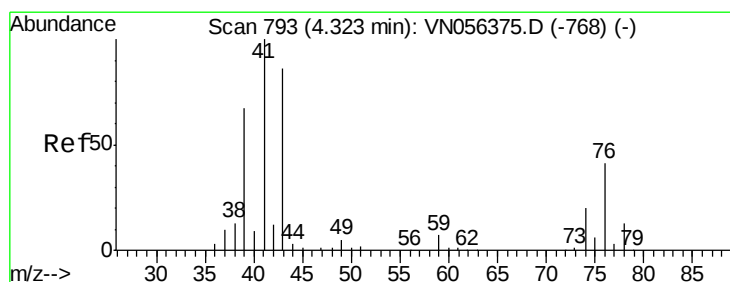
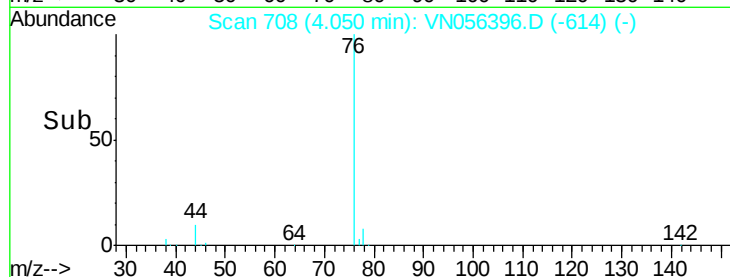
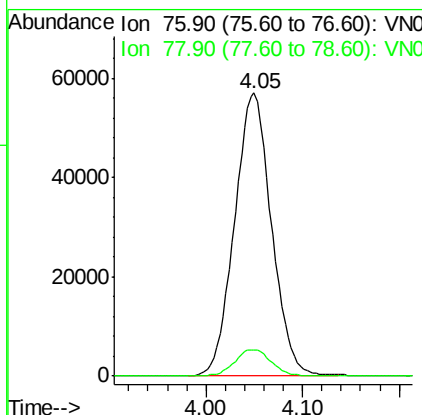
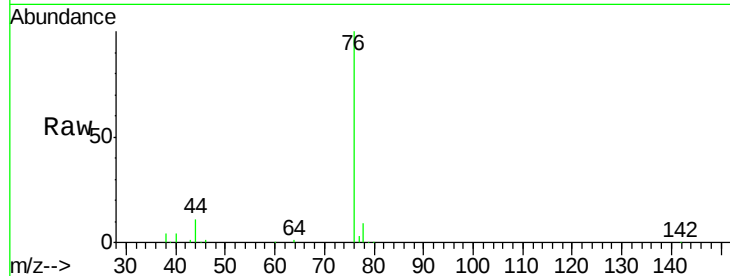
#17
Carbon Disulfide
Concen: 19.695 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

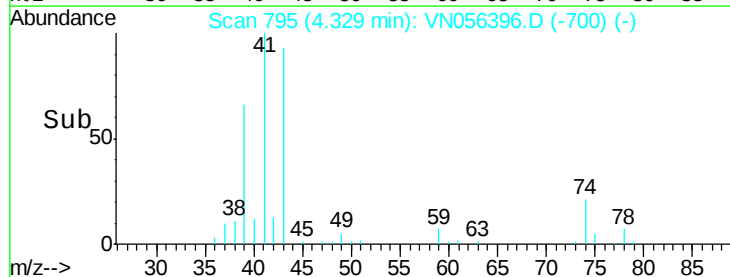
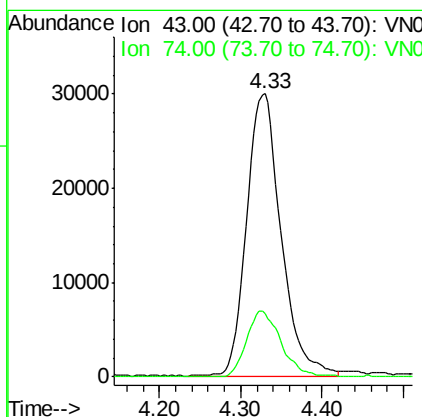
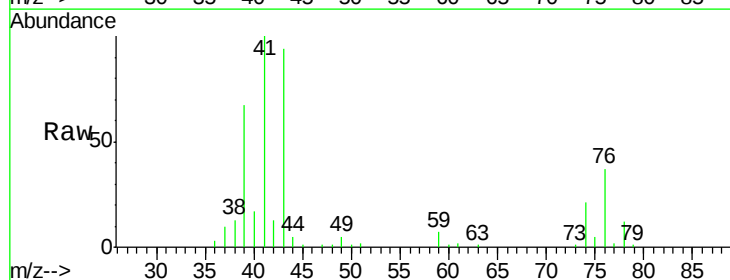
Manual Integrations
APPROVED

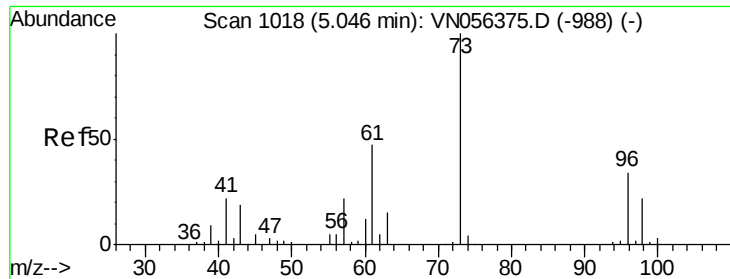
MMDadoda
6/21/2019 10:50:33 PM



#18
Methyl Acetate
Concen: 20.638 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.2	28.8





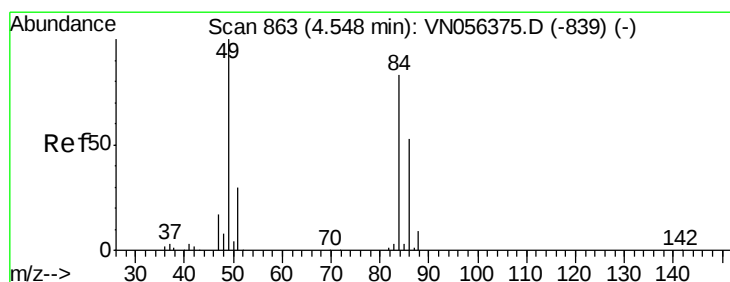
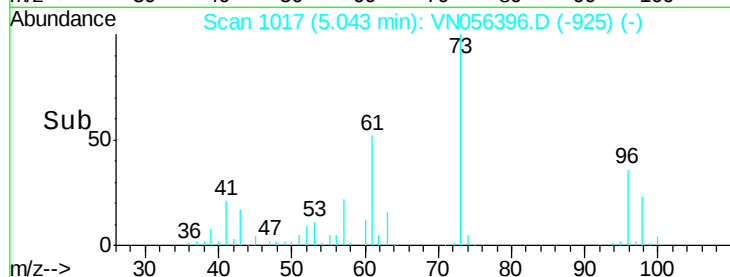
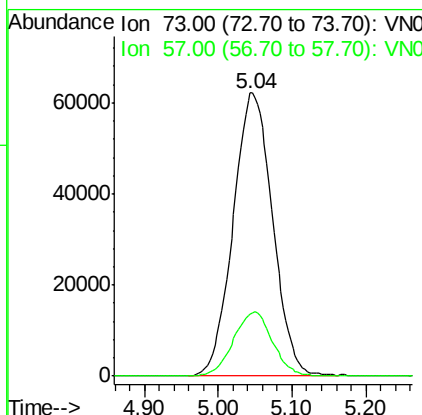
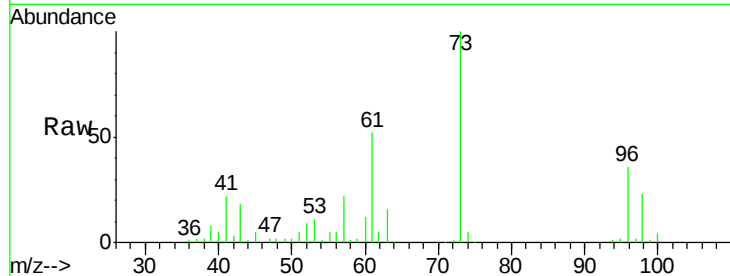
#19
Methyl tert-butyl Ether
Concen: 20.724 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampled :
VN0620WBSD01

Tot Ion: 73 Resp: 231995
Ion Ratio Lower Upper
73 100
57 22.0 17.9 26.9

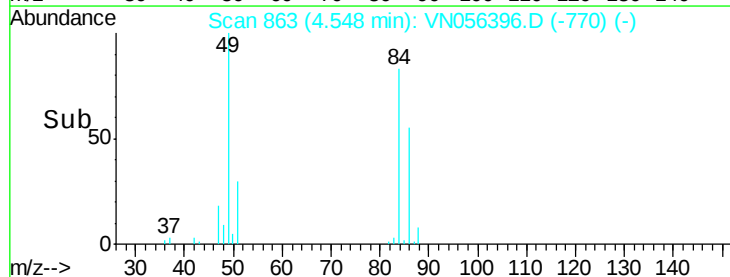
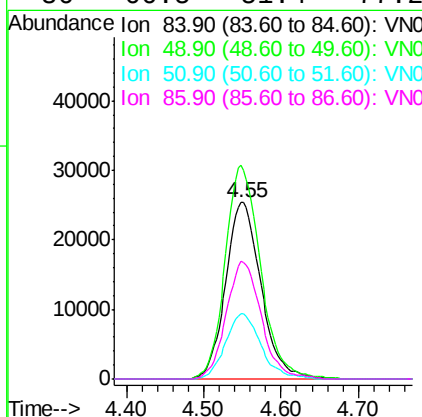
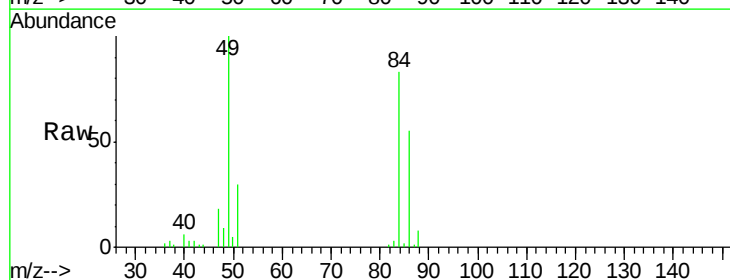
Manual Integrations
APPROVED

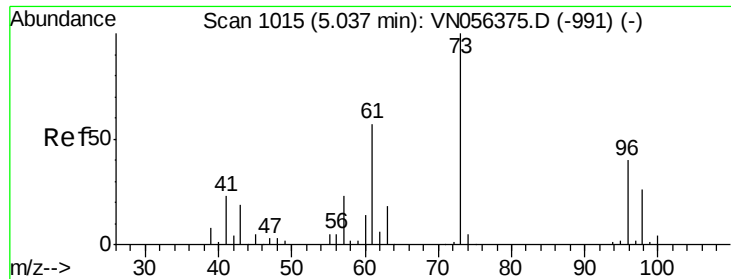
MMDadoda
6/21/2019 10:50:33 PM



#20
Methylene Chloride
Concen: 19.596 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion: 84 Resp: 80729
Ion Ratio Lower Upper
84 100
49 121.0 96.4 144.6
51 36.8 28.6 43.0
86 66.5 51.4 77.2





#21

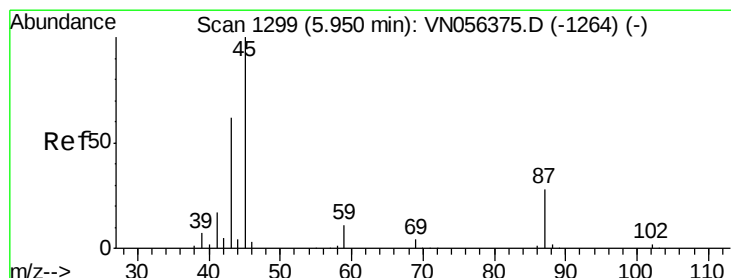
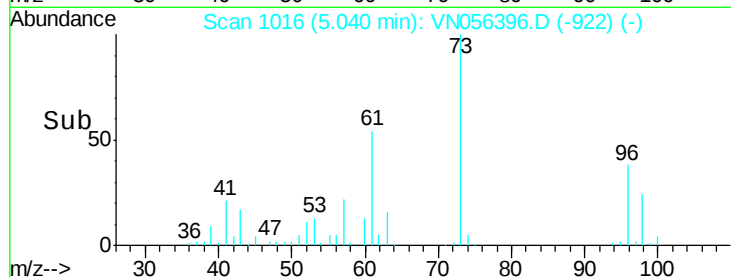
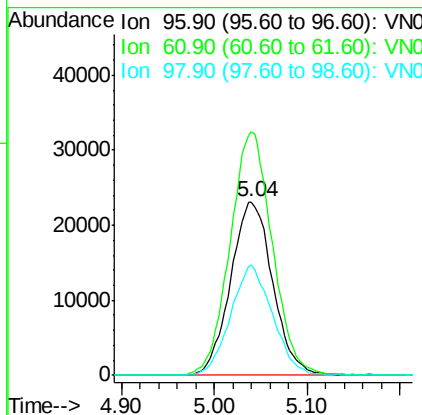
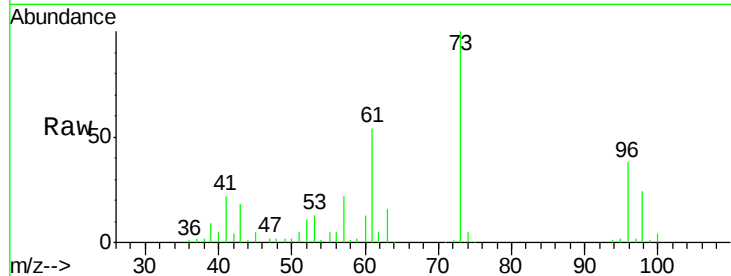
trans-1,2-Dichloroethene
Concen: 19.982 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	113.0	169.6
98	63.6	52.2	78.2

Manual Integrations
APPROVED

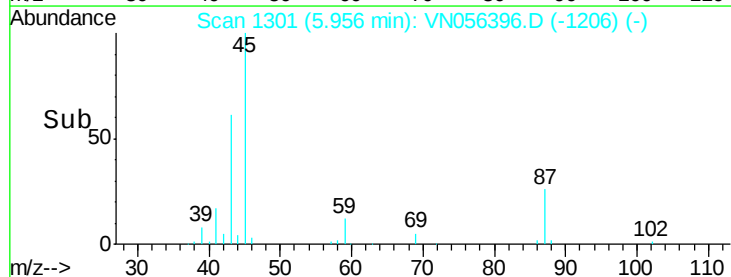
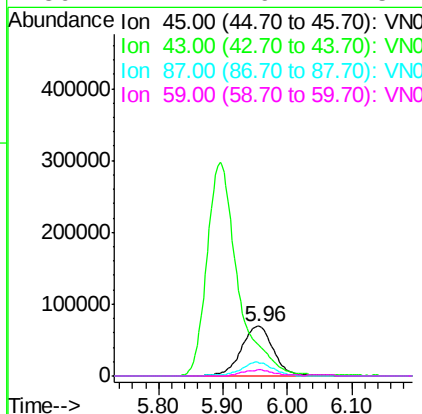
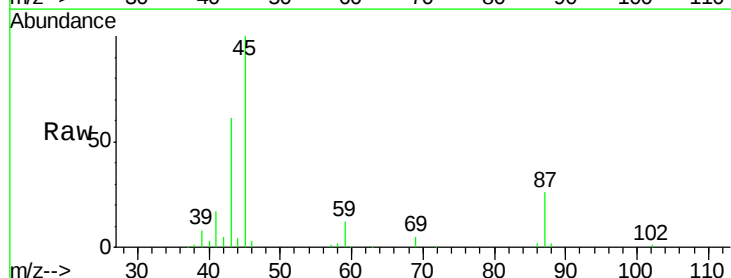
MMDadoda
6/21/2019 10:50:33 PM

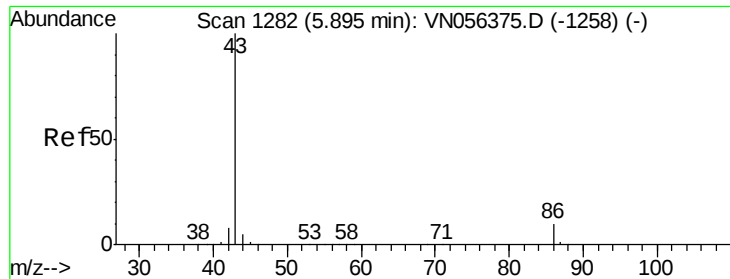


#22

Diisopropyl ether
Concen: 20.483 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	50.4	75.6
87	26.0	23.0	34.4
59	11.7	9.1	13.7





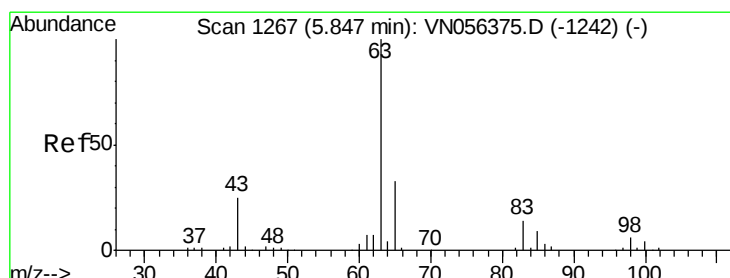
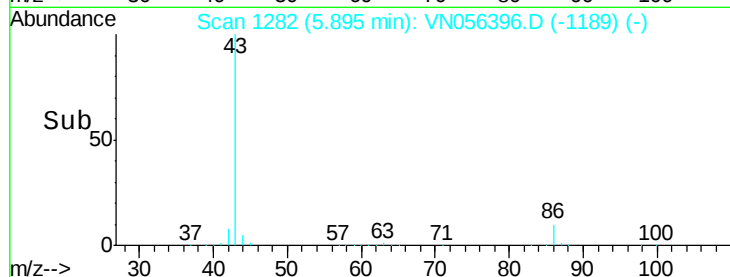
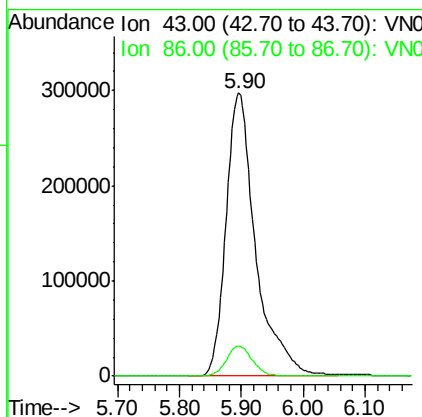
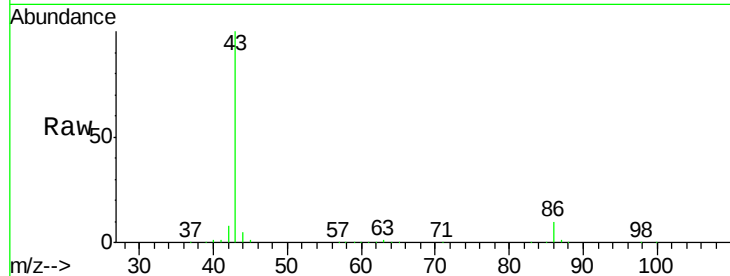
#23
 Vinyl Acetate
 Concen: 106.402 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	43	Resp	992576
Ion Ratio	100	Lower	Upper
43	100		
86	10.4	8.3	12.5

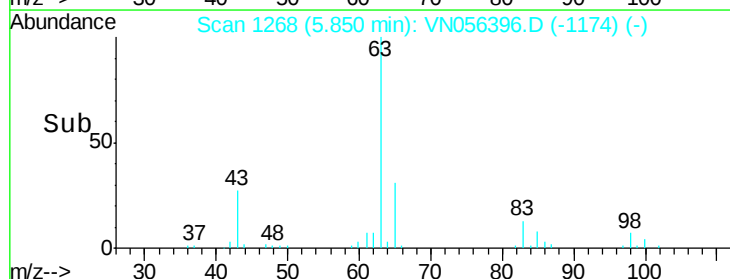
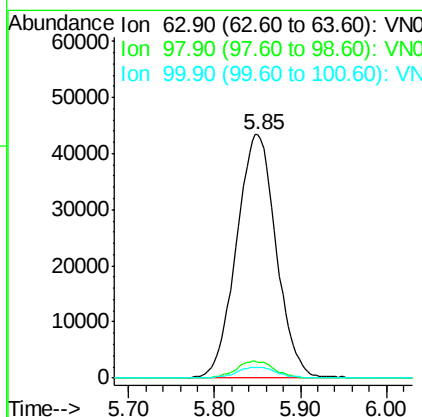
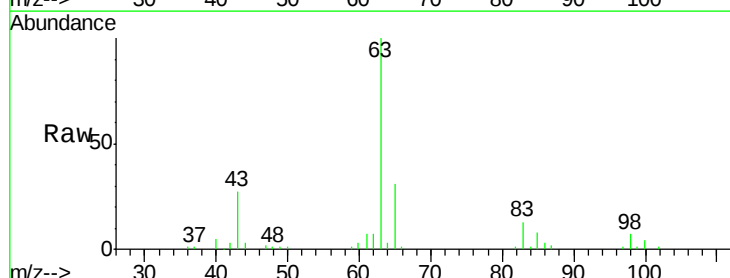
Manual Integrations
 APPROVED

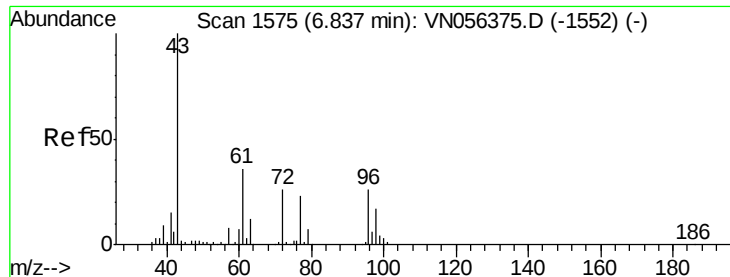
MMDadoda
 6/21/2019 10:50:33 PM



#24
 1,1-Dichloroethane
 Concen: 20.513 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Tgt Ion	63	Resp	139266
Ion Ratio	100	Lower	Upper
63	100		
98	6.7	3.2	9.6
100	4.3	2.1	6.5





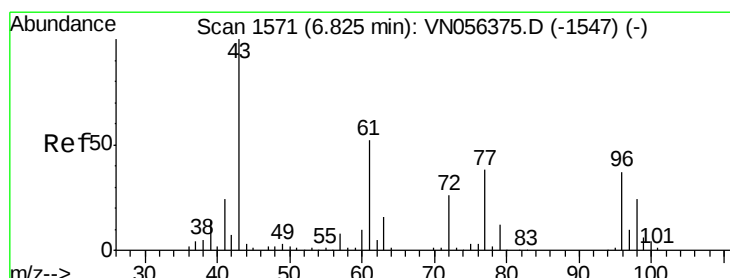
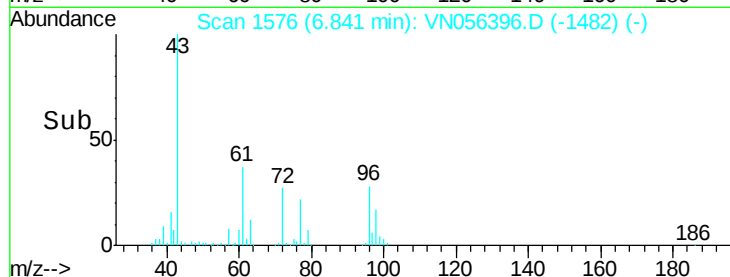
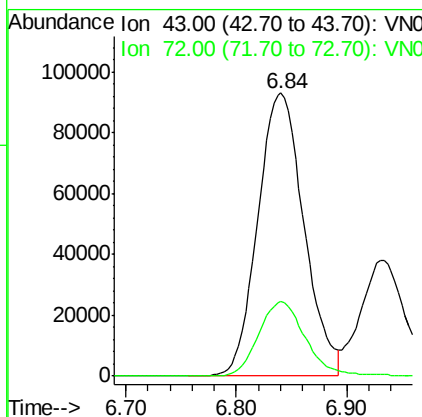
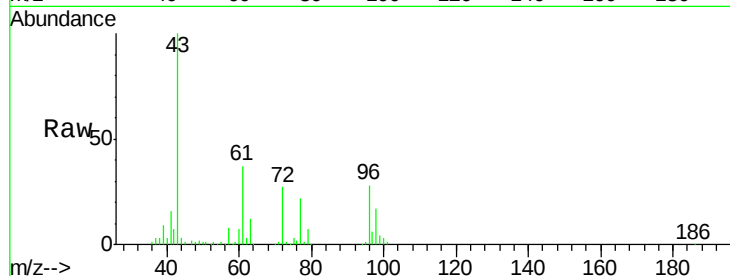
#25
2-Butanone
Concen: 95.885 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampled :
VN0620WBSD01

Tot Ion: 43 Resp: 269873
Ion Ratio Lower Upper
43 100
72 26.5 20.6 31.0

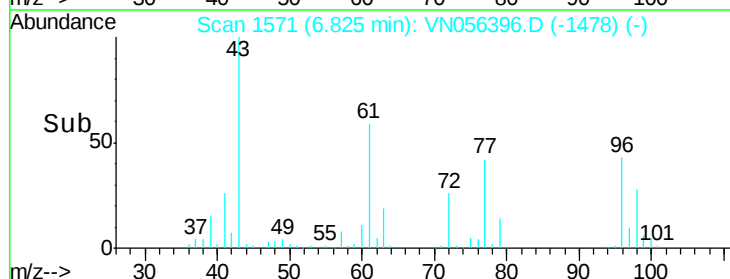
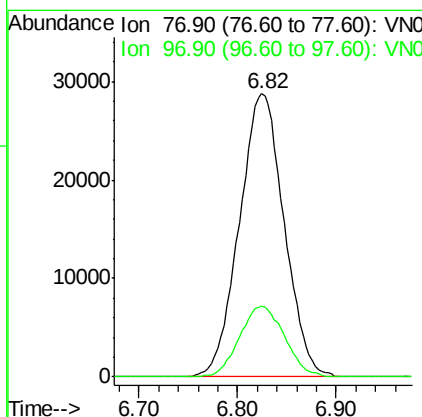
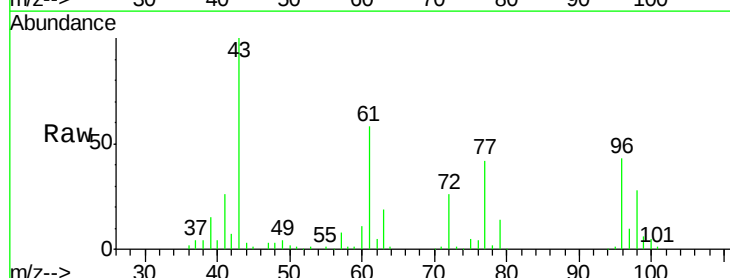
Manual Integrations
APPROVED

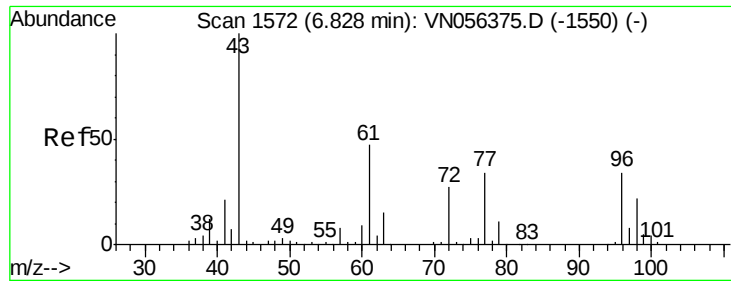
MMDadoda
6/21/2019 10:50:33 PM



#26
2,2-Dichloropropane
Concen: 19.097 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion: 77 Resp: 90175
Ion Ratio Lower Upper
77 100
97 25.2 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.659 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

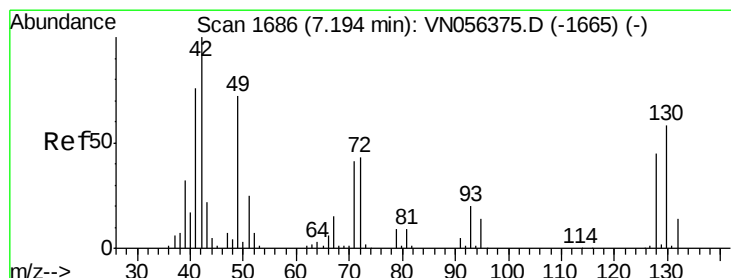
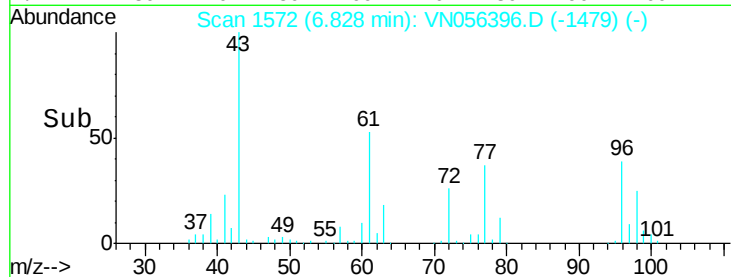
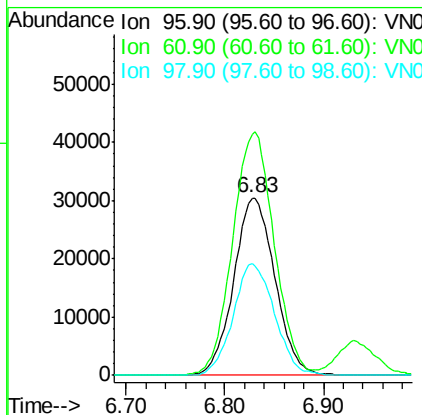
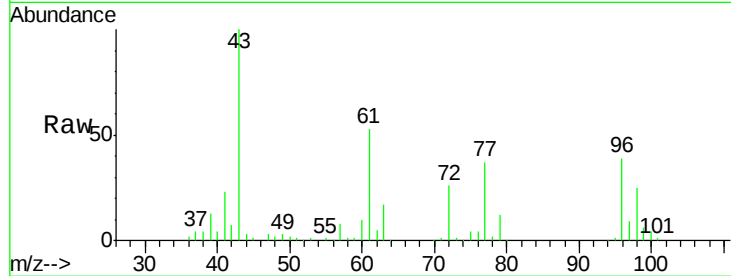
ClientSampled :

VN0620WBSD01

Tot Ion:	96	Resp:	88159
Ion Ratio	Lower	Upper	
96	100		
61	138.4	0.0	279.8
98	63.2	0.0	130.0

Manual Integrations
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6/21/2019 10:50:33 PM



#28

Bromochloromethane

Concen: 19.977 ug/l

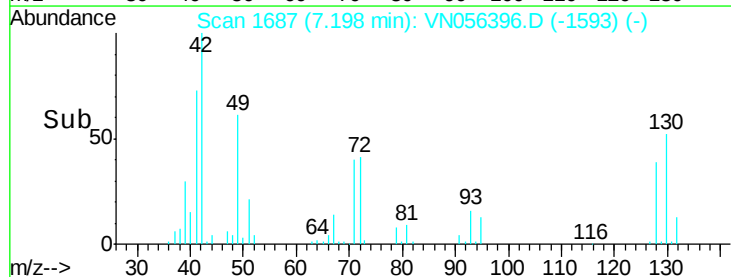
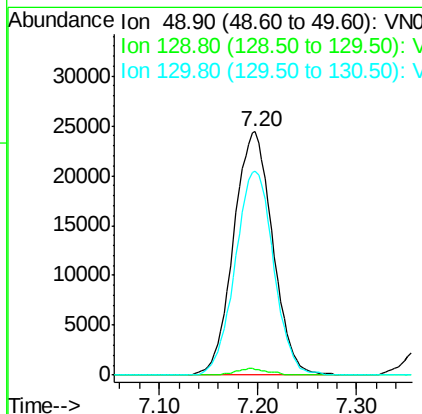
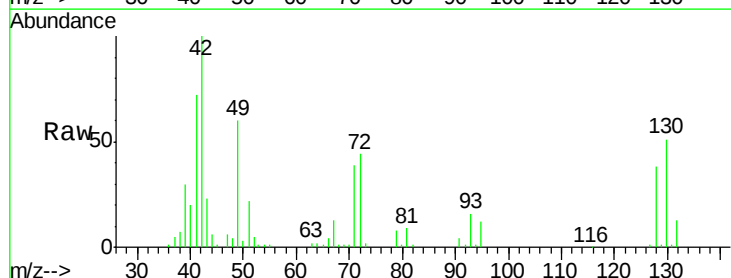
RT: 7.20 min Scan# 1687

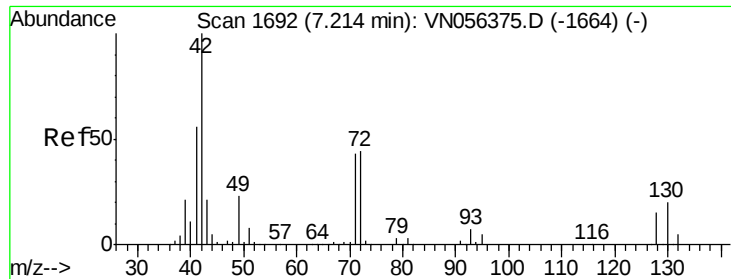
Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Tgt Ion:	49	Resp:	67085
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.2
130	82.5	64.9	97.3





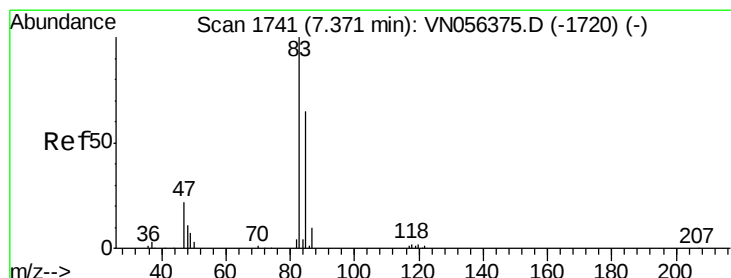
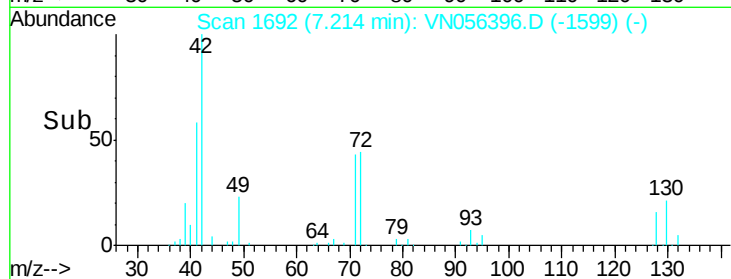
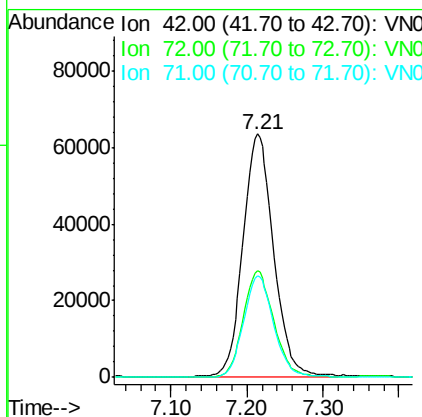
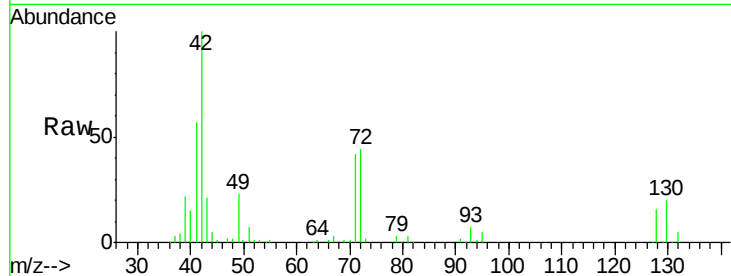
#29
Tetrahydrofuran
Concen: 104.247 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.7	52.1
71	40.8	33.0	49.6

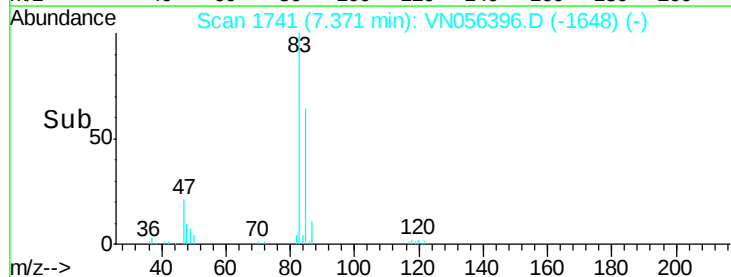
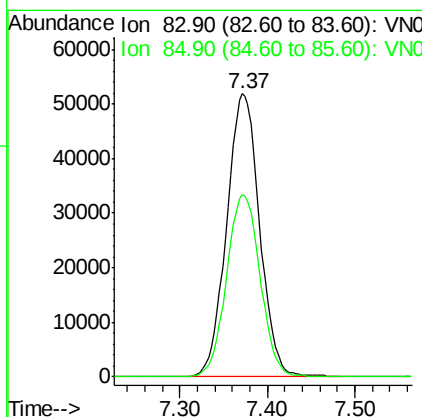
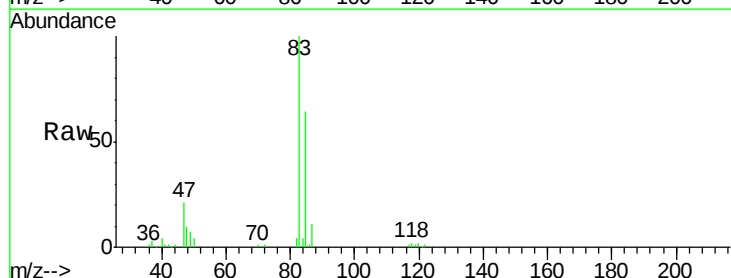
Manual Integrations
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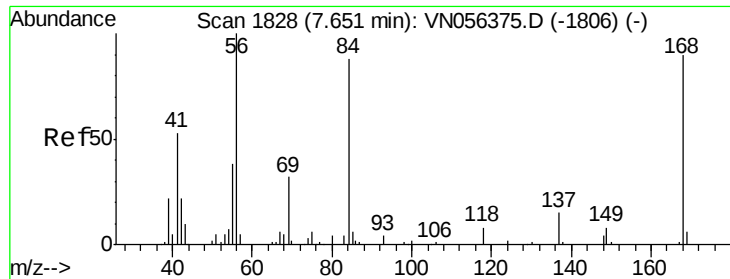
MMDadoda
6/21/2019 10:50:33 PM



#30
Chloroform
Concen: 20.223 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.3	78.5





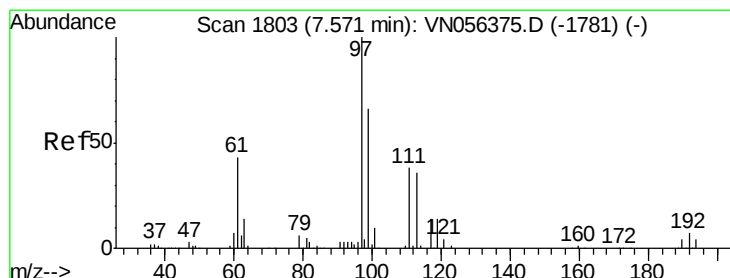
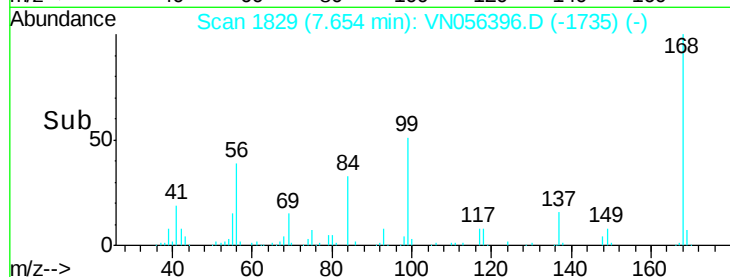
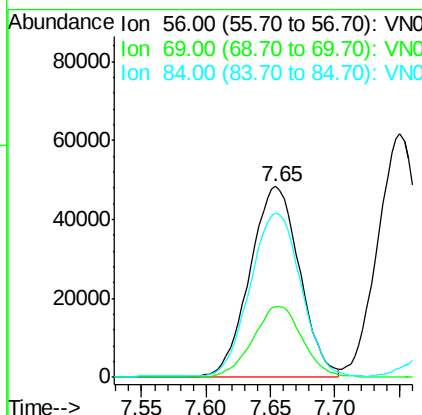
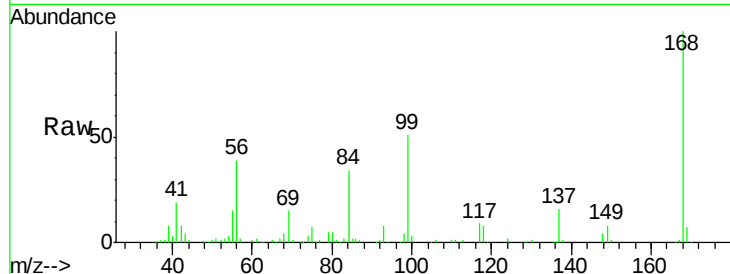
#31
Cyclohexane
Concen: 19.844 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	25.8	38.6
84	85.2	69.4	104.0

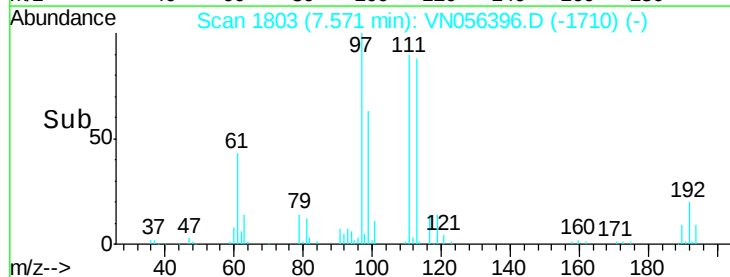
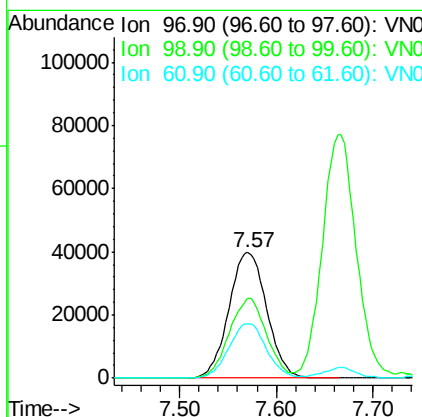
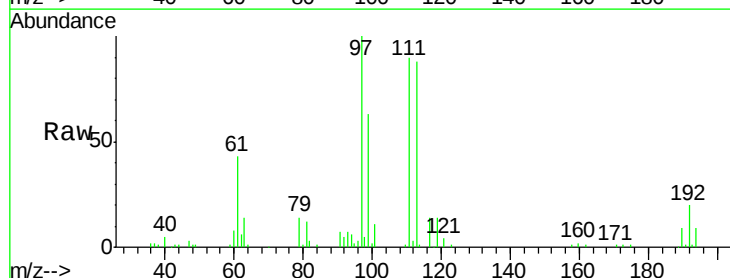
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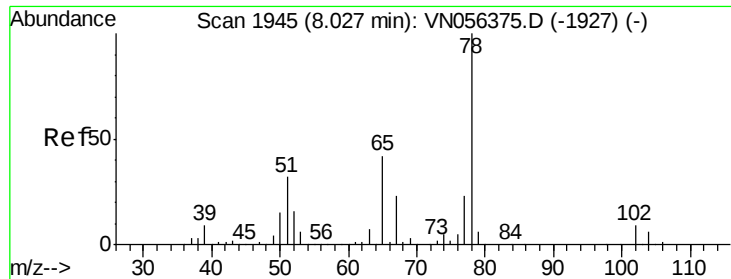
MMDadoda
6/21/2019 10:50:33 PM



#32
1,1,1-Trichloroethane
Concen: 20.340 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.8	77.6
61	42.8	33.9	50.9





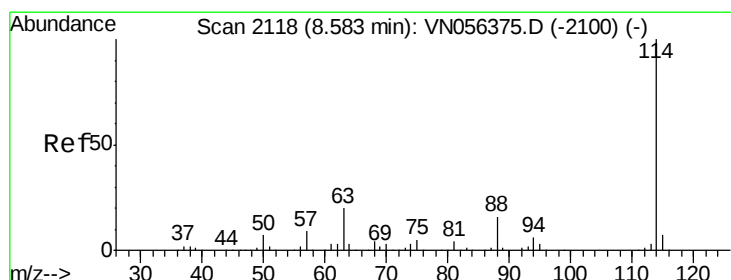
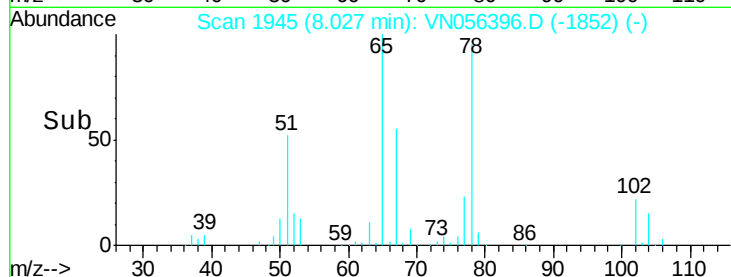
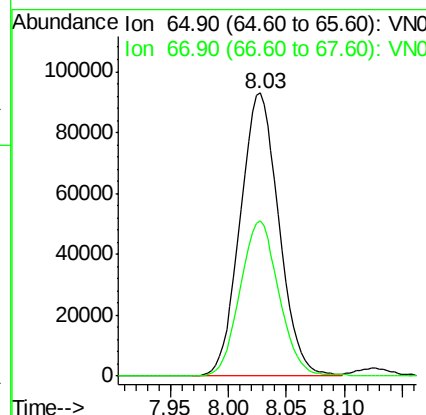
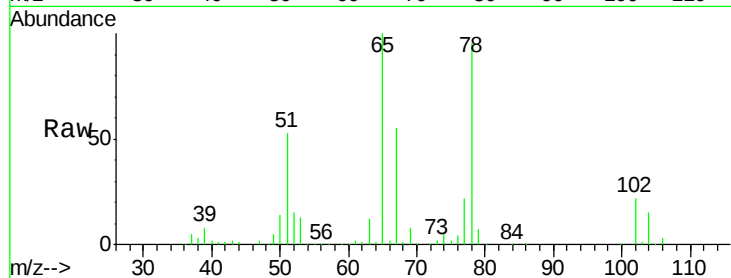
#33
 1,2-Dichloroethane-d4
 Concen: 51.038 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Instrument :
 MSVOA_N
 ClientSampled :
 VN0620WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	216631		
67	54.8	0.0	109.0	

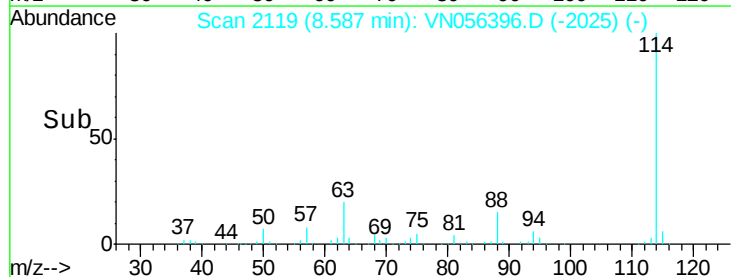
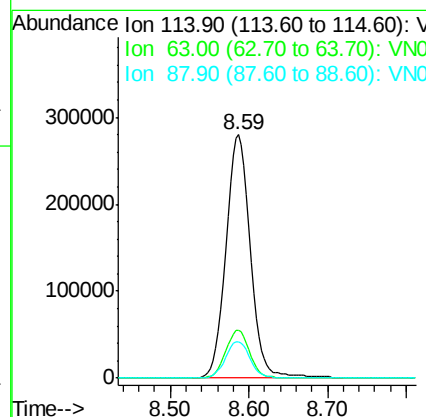
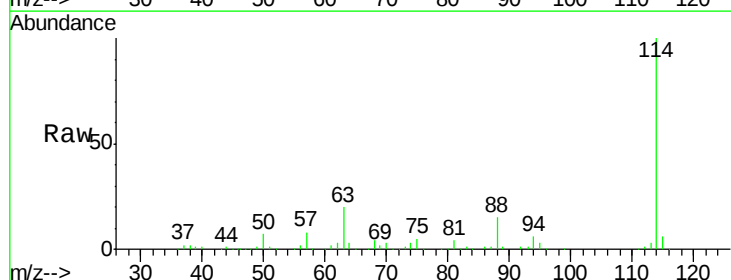
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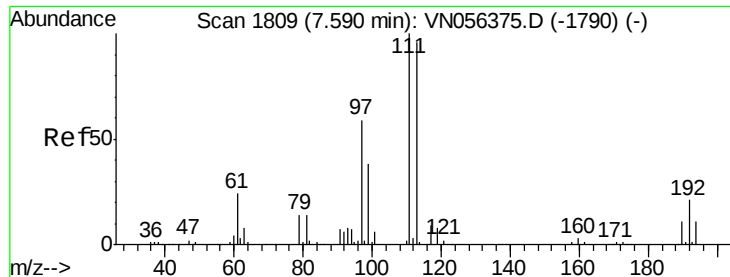
MMDadoda
 6/21/2019 10:50:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	598582		
63	19.7	0.0	39.2	
88	15.1	0.0	31.4	





#35

Dibromofluoromethane

Concen: 50.696 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

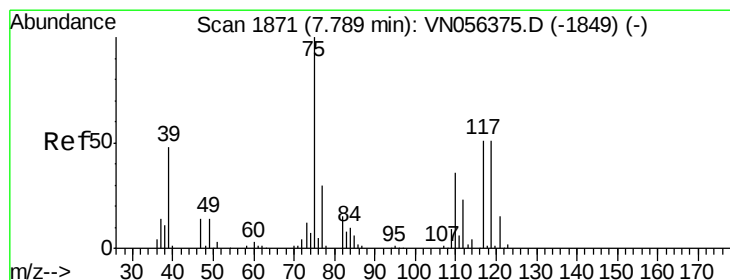
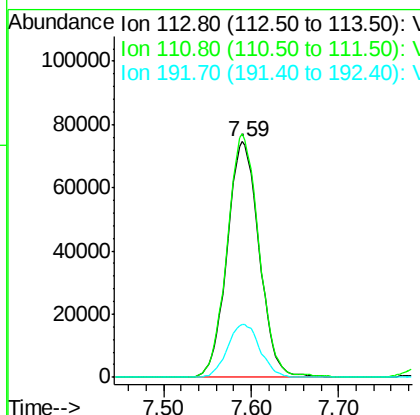
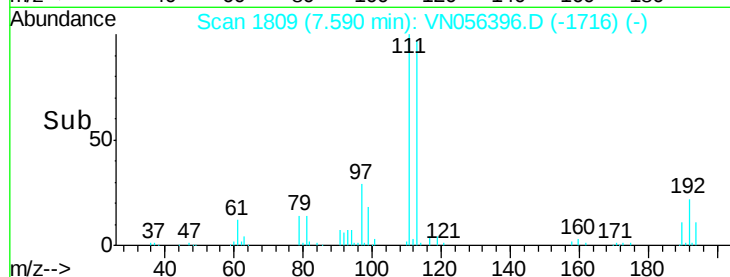
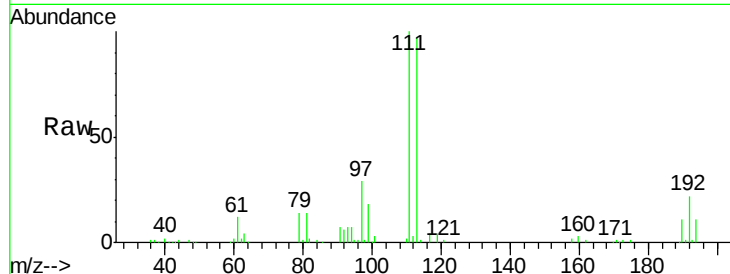
ClientSampled :

VN0620WBSD01

Tot Ion:	113	Resp:	189309
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.9	124.3
192	22.8	17.7	26.5

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#36

1,1-Dichloropropene

Concen: 19.510 ug/l

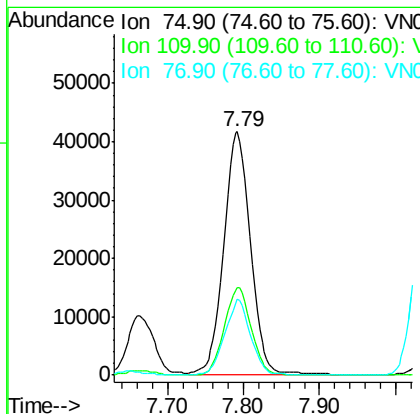
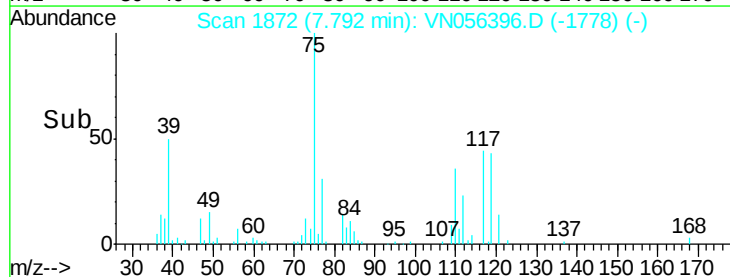
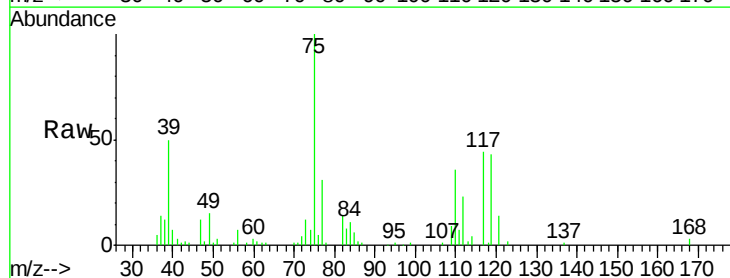
RT: 7.79 min Scan# 1872

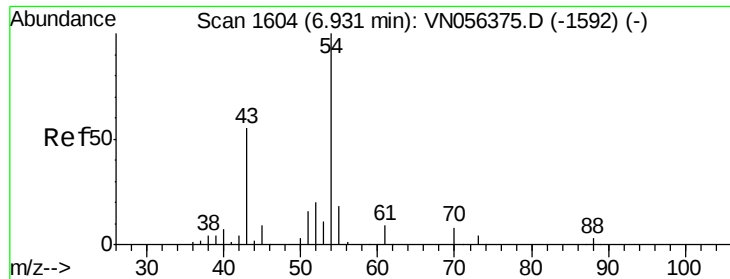
Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Tgt Ion:	75	Resp:	102790
Ion Ratio	Lower	Upper	
75	100		
110	35.7	18.1	54.3
77	29.8	24.6	36.8





#37

Ethyl Acetate

Concen: 20.883 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

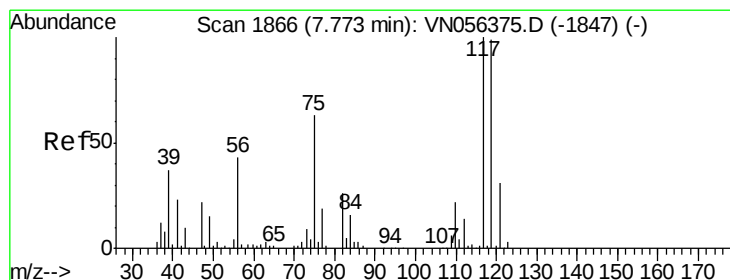
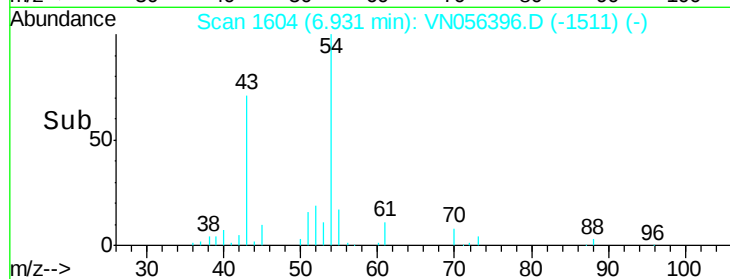
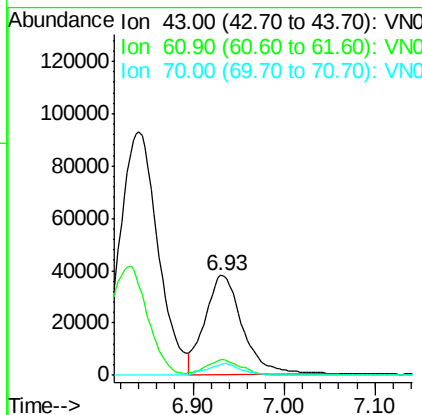
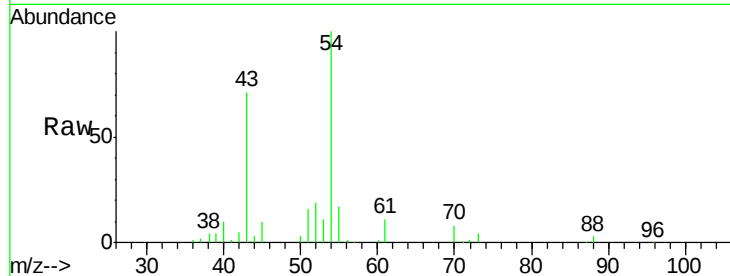
ClientSampled :

VN0620WBSD01

Tot Ion:	43	Resp:	108125
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.1	16.7
70	10.7	8.3	12.5

Manual Integrations
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6/21/2019 10:50:33 PM



#38

Carbon Tetrachloride

Concen: 19.574 ug/l

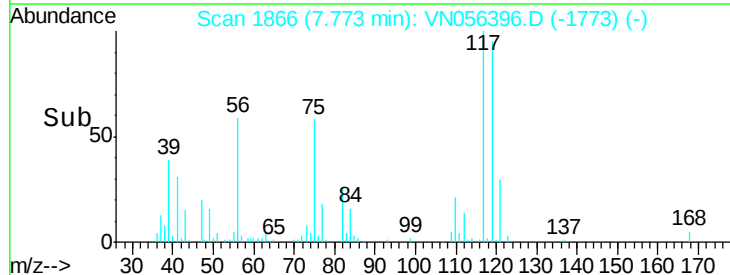
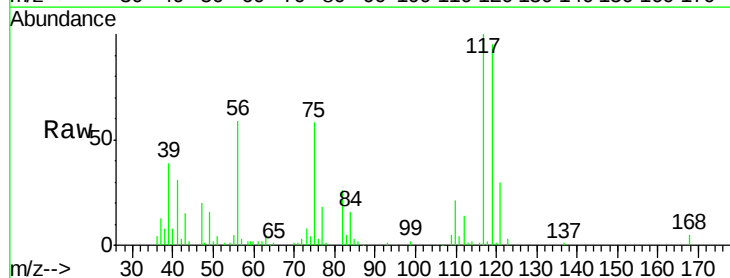
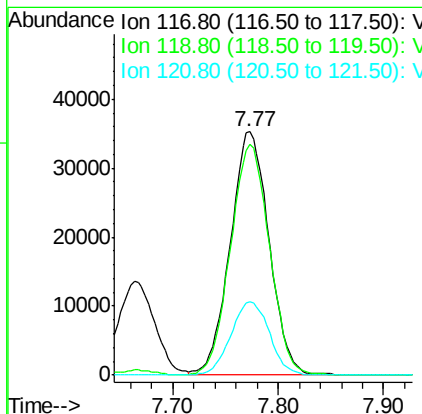
RT: 7.77 min Scan# 1866

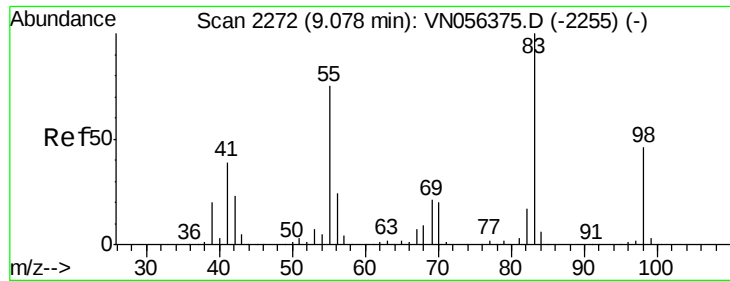
Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Tgt Ion:	117	Resp:	90185
Ion	Ratio	Lower	Upper
117	100		
119	94.8	79.1	118.7
121	30.1	24.8	37.2





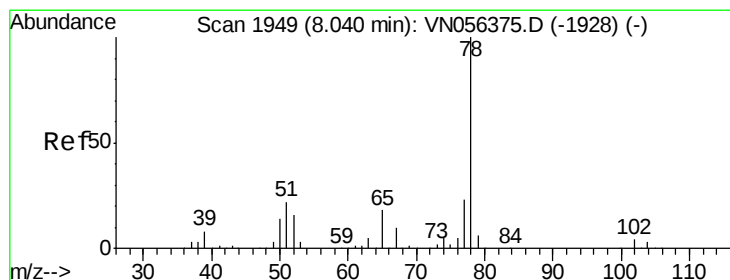
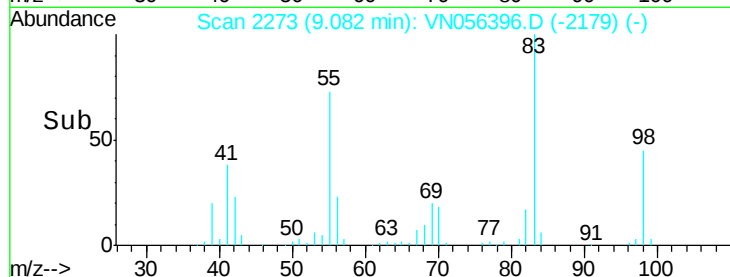
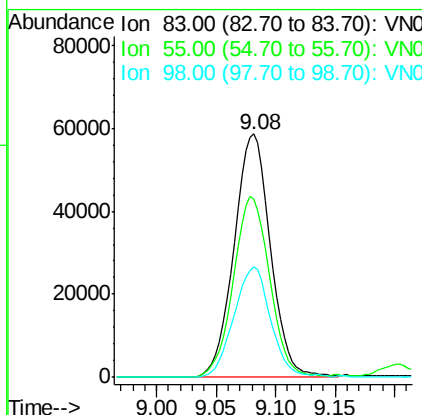
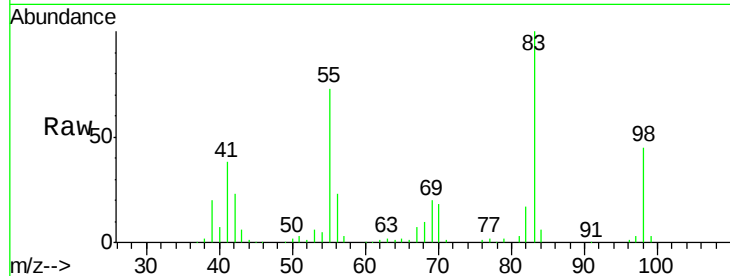
#39
Methvlcvclohexane
Concen: 19.181 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	60.0	90.0
98	45.1	36.6	54.8

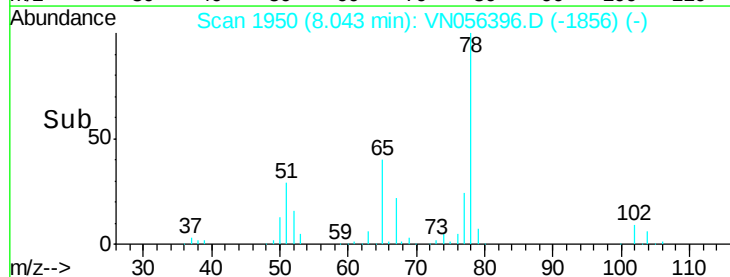
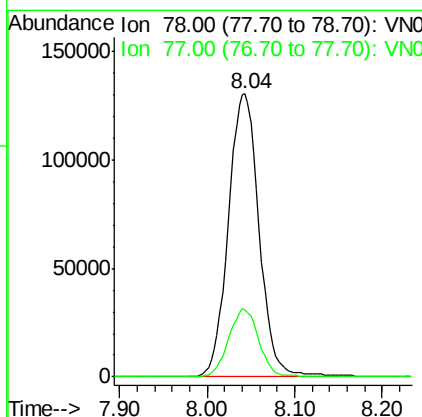
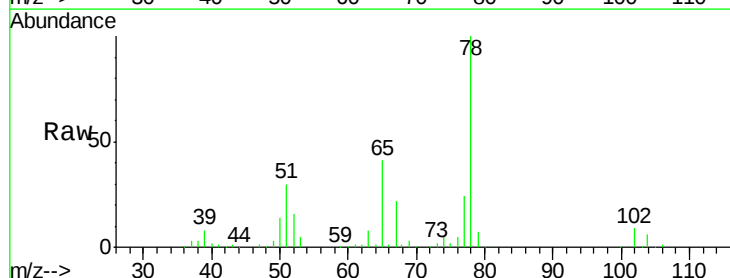
Manual Integrations
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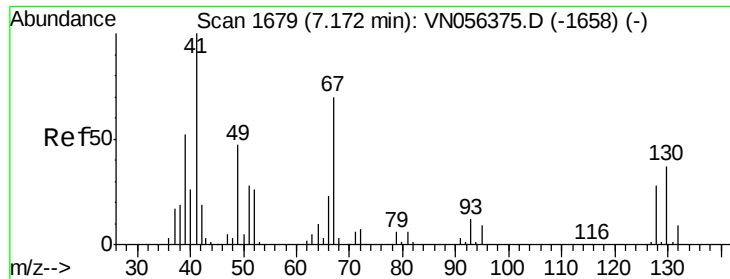
MMDadoda
6/21/2019 10:50:33 PM



#40
Benzene
Concen: 19.627 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5





#41

Methacrylonitrile

Concen: 21.991 ug/l m

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion: 41 Resp: 50280

Ion Ratio Lower Upper

41 100

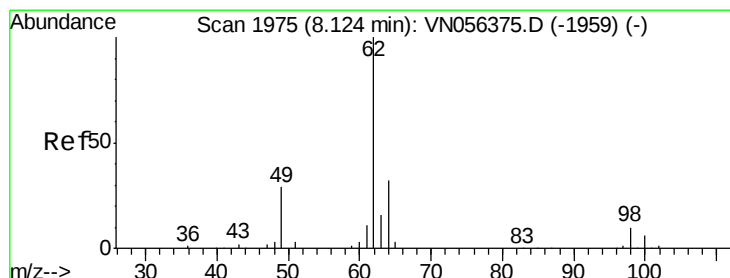
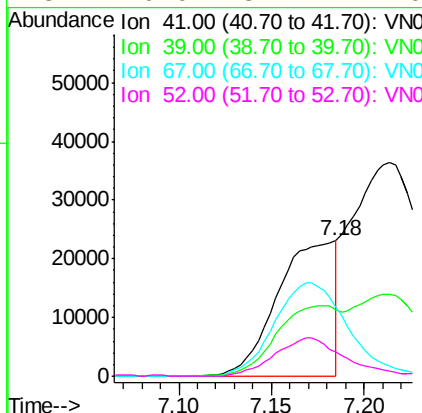
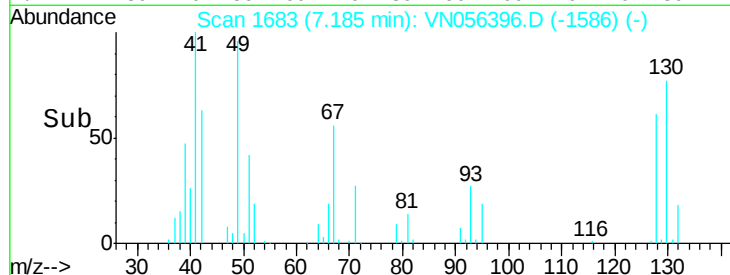
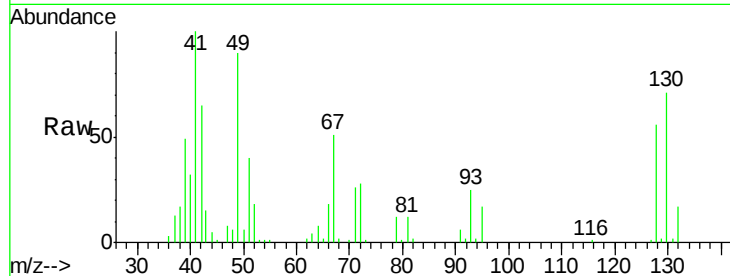
39 0.0 55.3 82.9#

67 0.0 79.2 118.8#

52 0.0 31.4 47.0#

Manual Integrations
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6/21/2019 10:50:33 PM



#42

1,2-Dichloroethane

Concen: 19.341 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN056396.D

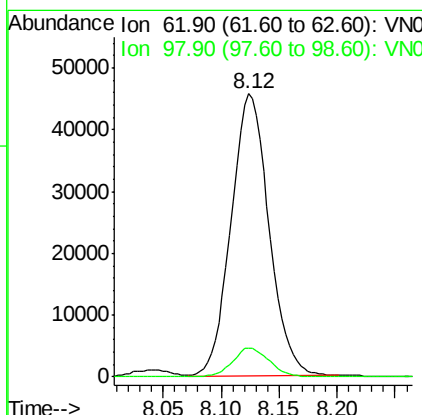
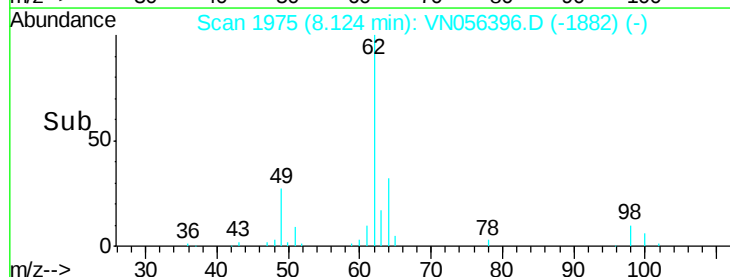
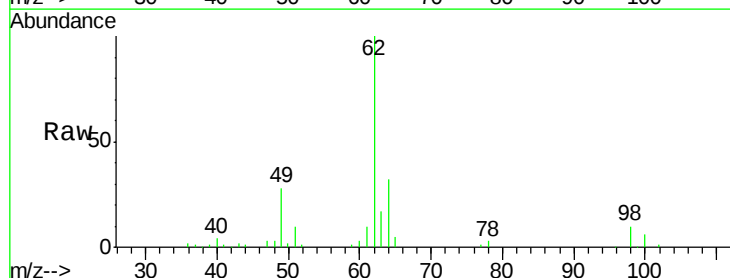
Acq: 20 Jun 2019 12:42

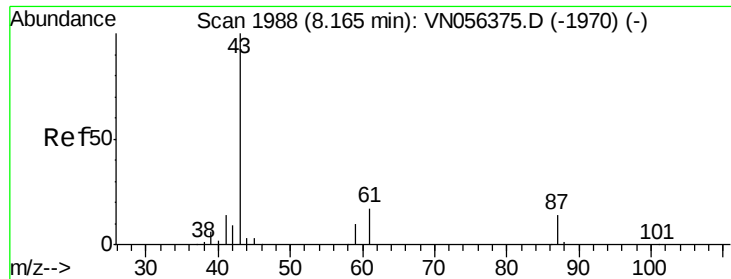
Tgt Ion: 62 Resp: 103443

Ion Ratio Lower Upper

62 100

98 9.8 0.0 19.4





#43

Isopropyl Acetate

Concen: 20.013 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

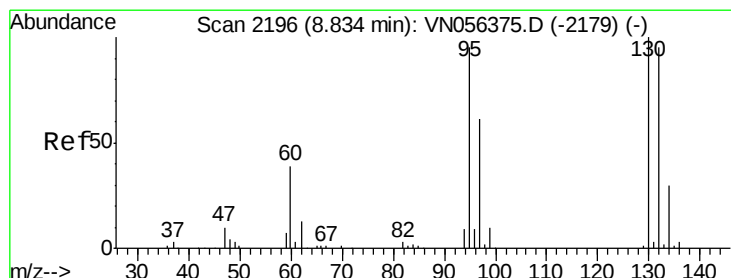
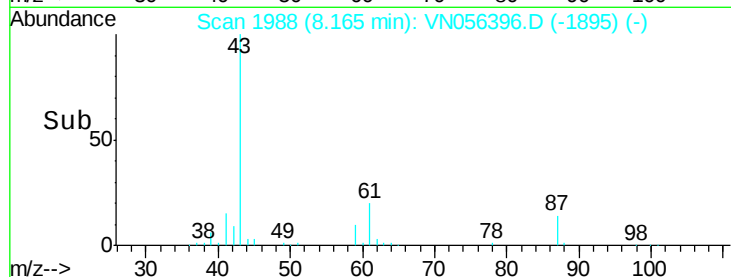
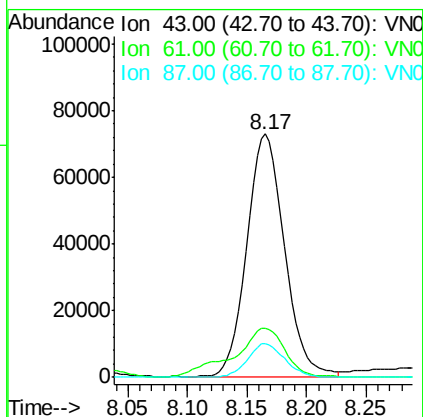
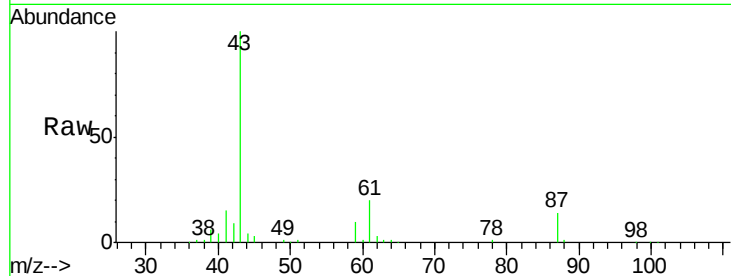
ClientSampleId :

VN0620WBSD01

Tot Ion:	43	Resp:	159780
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.0	33.0
87	13.9	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 19.502 ug/l

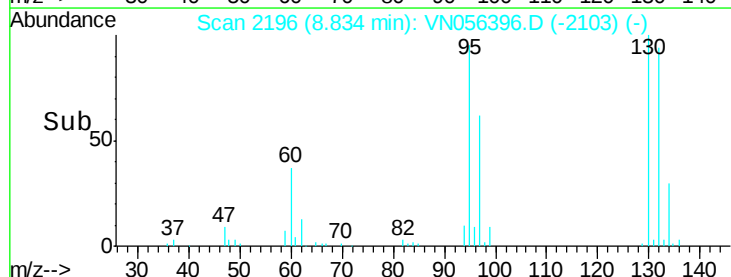
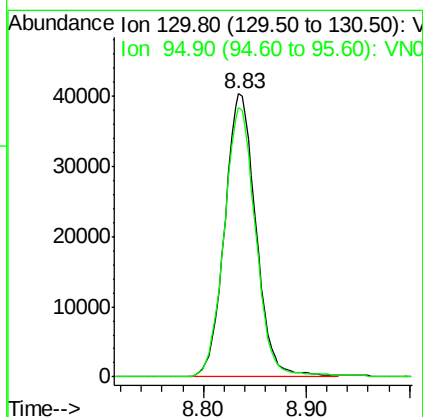
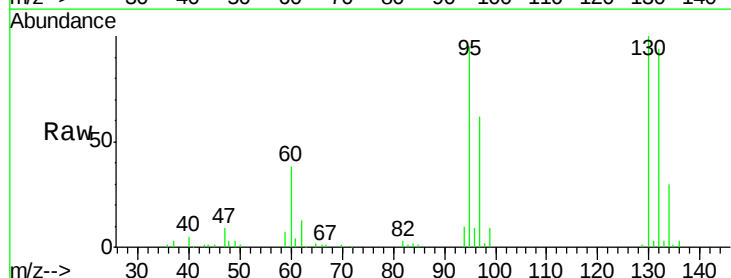
RT: 8.83 min Scan# 2196

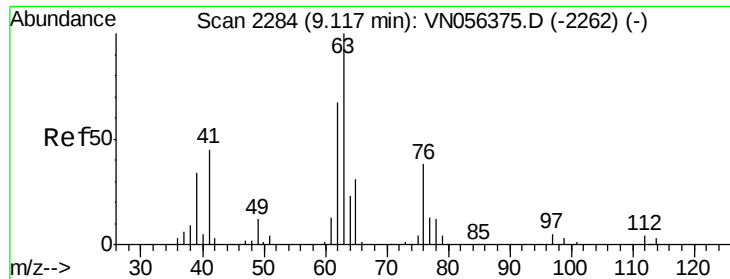
Delta R.T. -0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Tgt Ion:	130	Resp:	85136
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	191.0





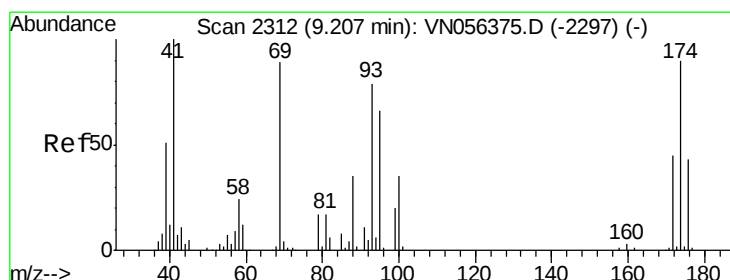
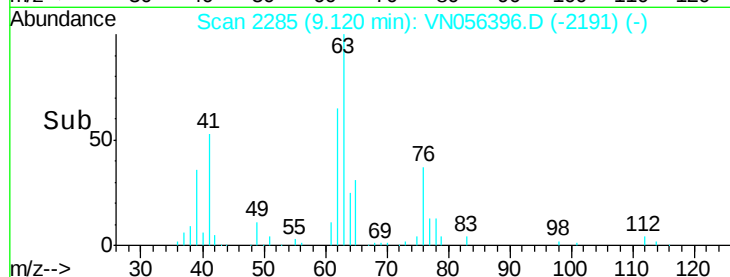
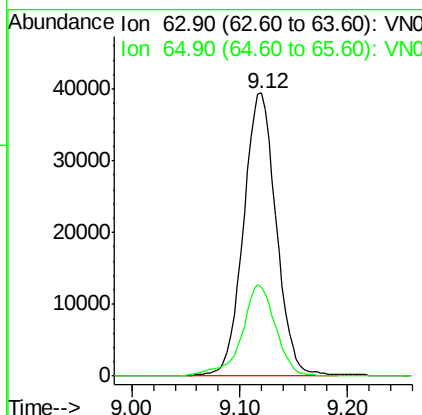
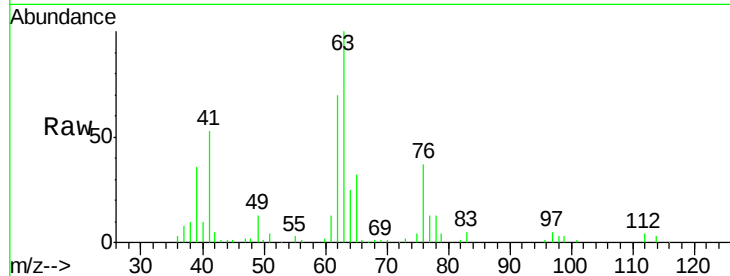
#45
 1,2-Dichloropropane
 Concen: 19.217 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion: 63 Resp: 83289
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6

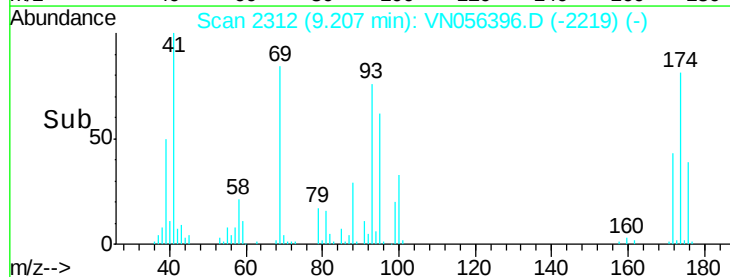
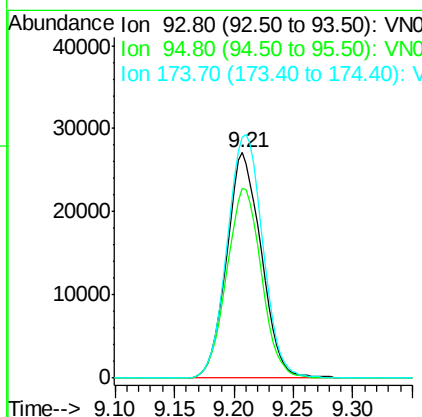
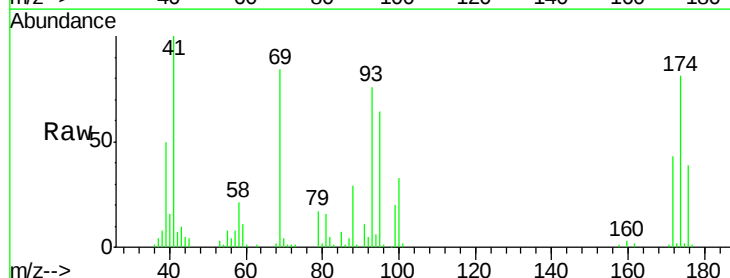
Manual Integrations
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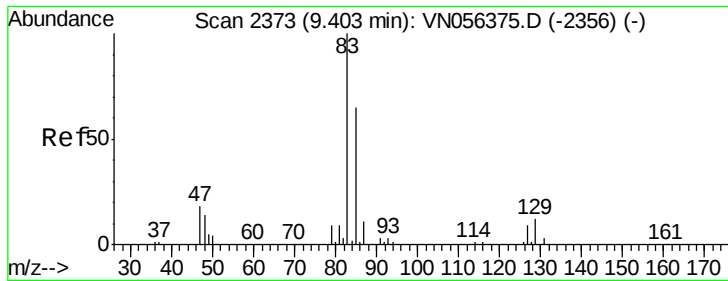
MMDadoda
 6/21/2019 10:50:33 PM



#46
 Dibromomethane
 Concen: 20.195 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Tgt Ion: 93 Resp: 54760
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.2 99.2
 174 111.0 90.8 136.2





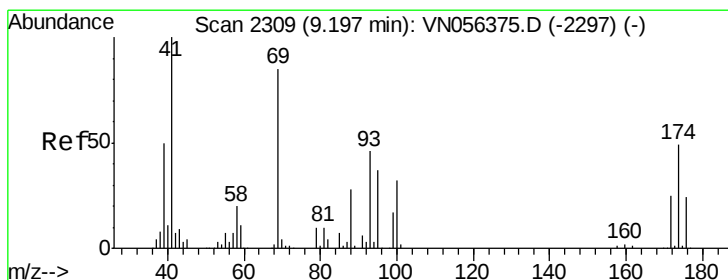
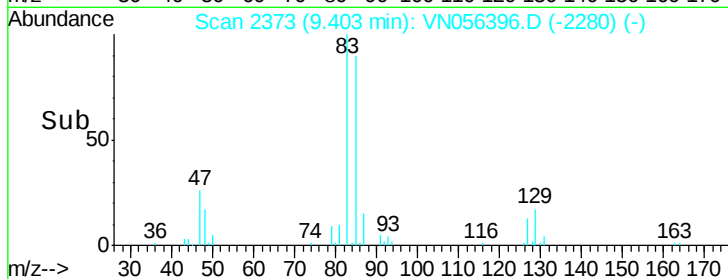
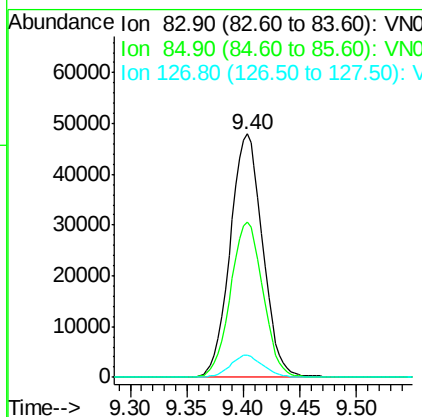
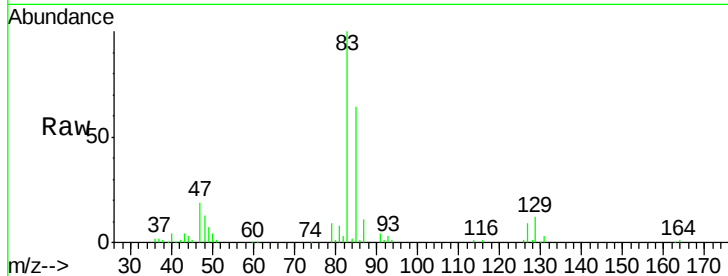
#47
Bromodichloromethane
Concen: 19.925 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	83	Resp	95824
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	52.2	78.4
127	9.3	7.3	10.9

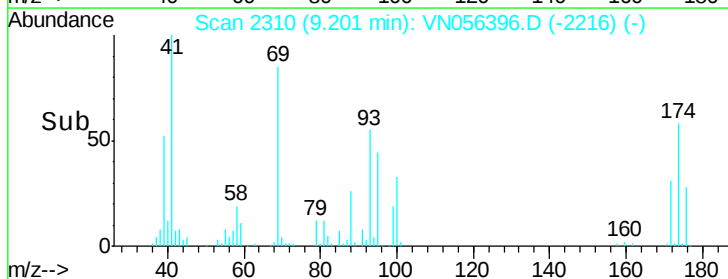
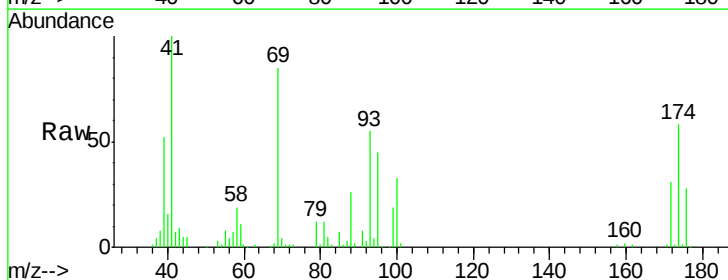
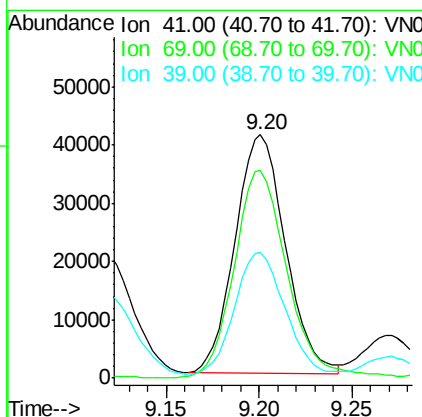
Manual Integrations
APPROVED

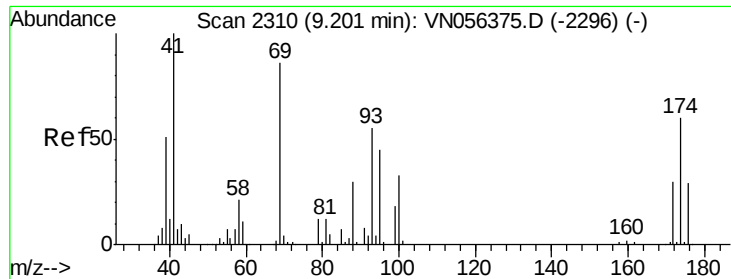
MMDadoda
6/21/2019 10:50:33 PM



#48
Methyl methacrylate
Concen: 19.431 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion	41	Resp	77741
Ion Ratio	100	Lower	Upper
41	100		
69	91.5	72.6	109.0
39	53.1	42.6	63.8





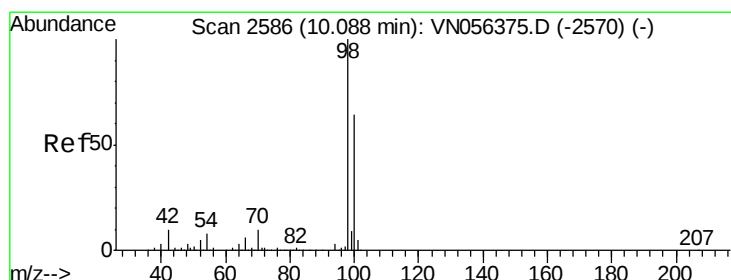
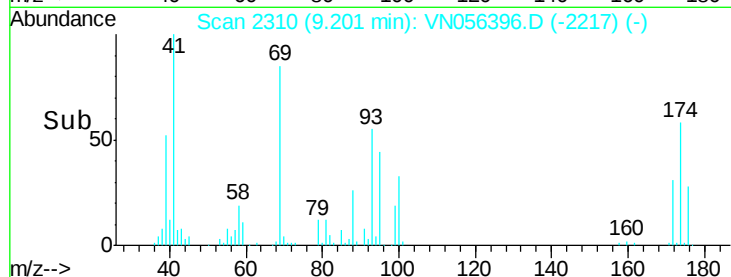
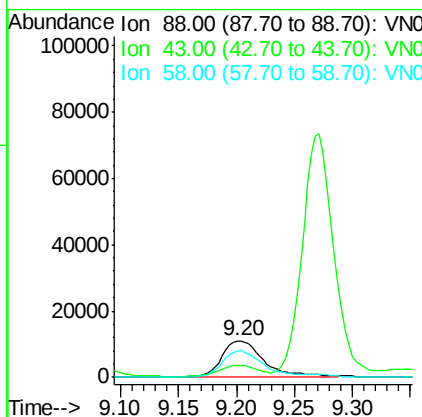
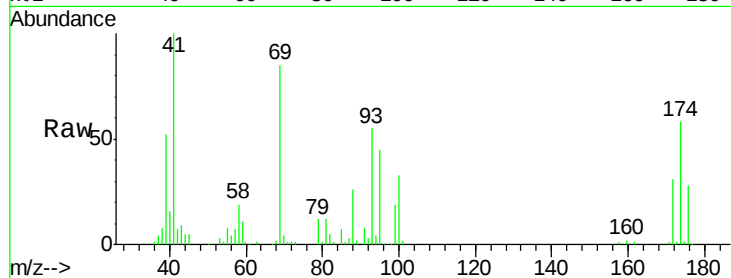
#49
1,4-Dioxane
Concen: 336.531 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	88	Resp	27941
Ion	Ratio	Lower	Upper
88	100		
43	28.9	22.0	33.0
58	70.7	51.8	77.8

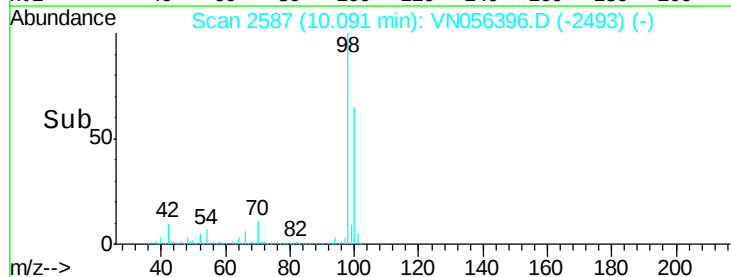
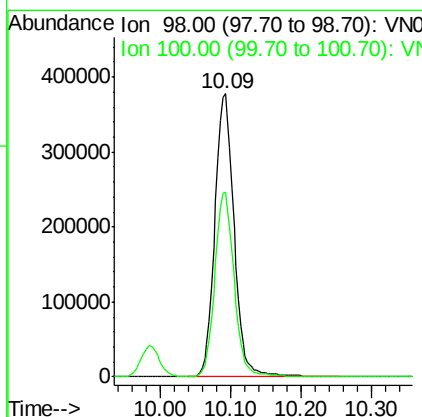
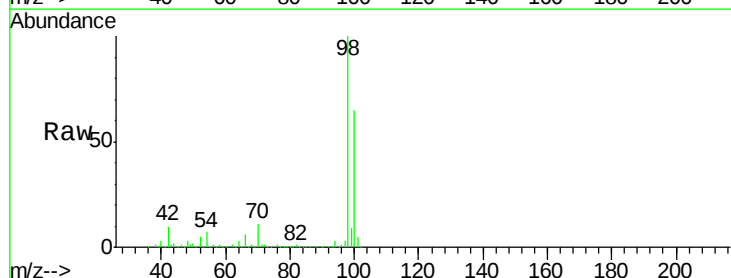
Manual Integrations
APPROVED

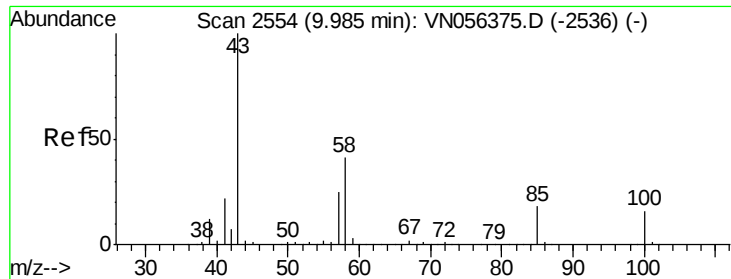
MMDadoda
6/21/2019 10:50:33 PM



#50
Toluene-d8
Concen: 49.381 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion	98	Resp	717496
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 101.136 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBSD01

Tot Ion: 43 Resp: 521159

Ion Ratio Lower Upper

43 100

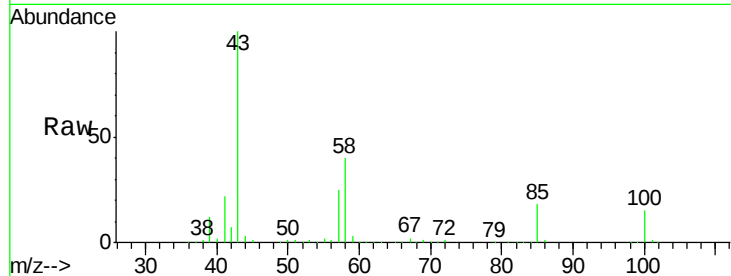
58 40.1 31.8 47.8

Manual Integrations

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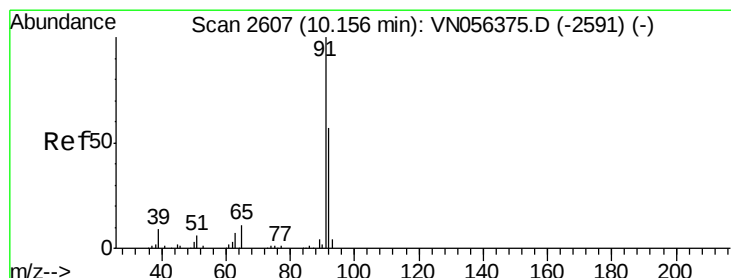
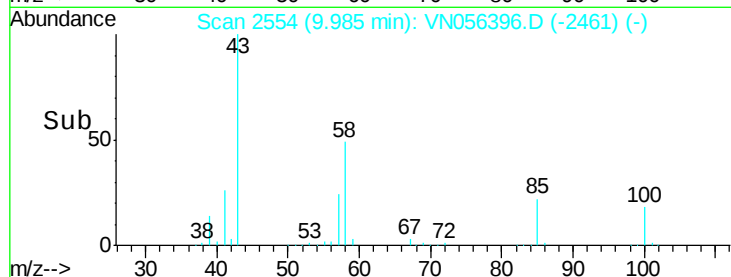
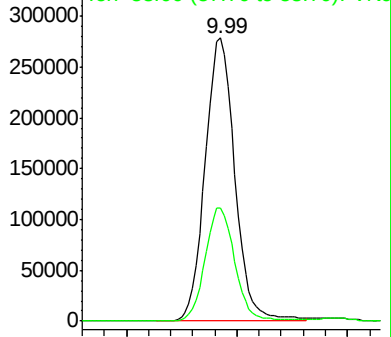
MMDadoda

6/21/2019 10:50:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.750 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056396.D

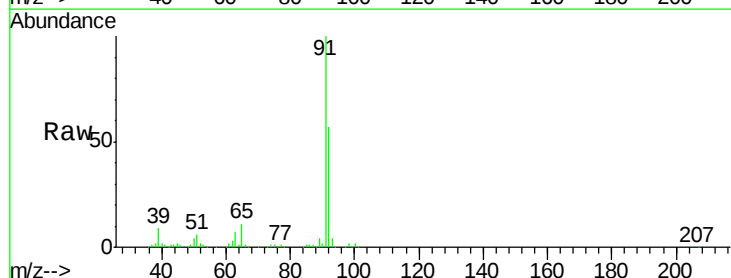
Acq: 20 Jun 2019 12:42

Tgt Ion: 92 Resp: 195684

Ion Ratio Lower Upper

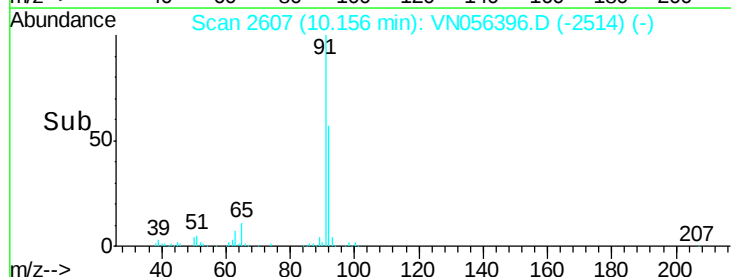
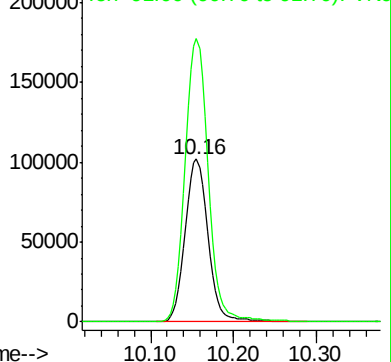
92 100

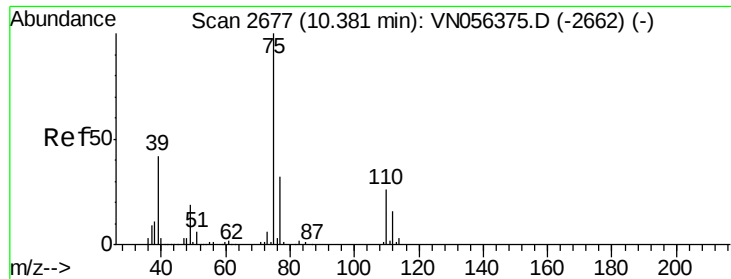
91 175.8 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





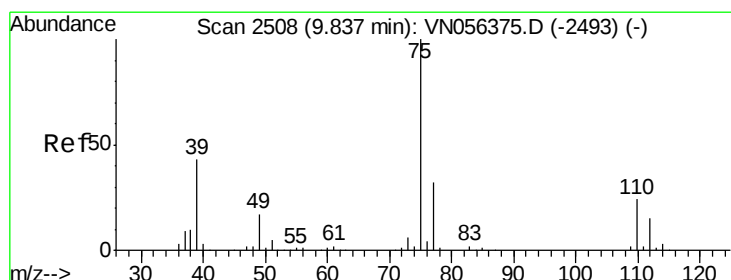
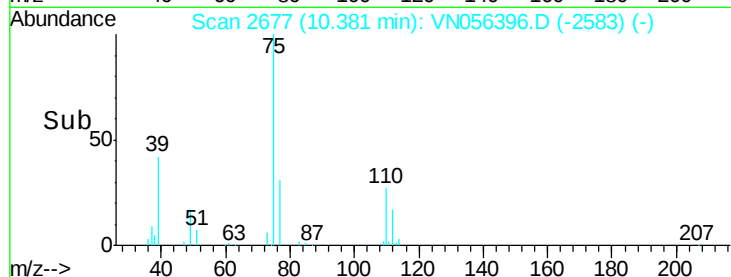
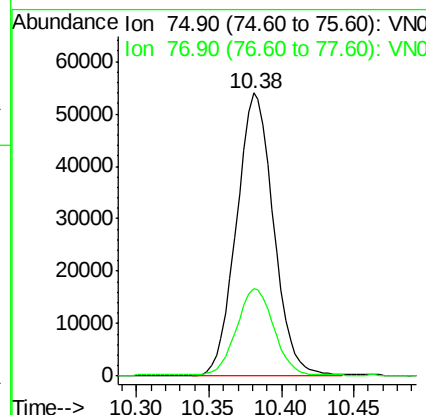
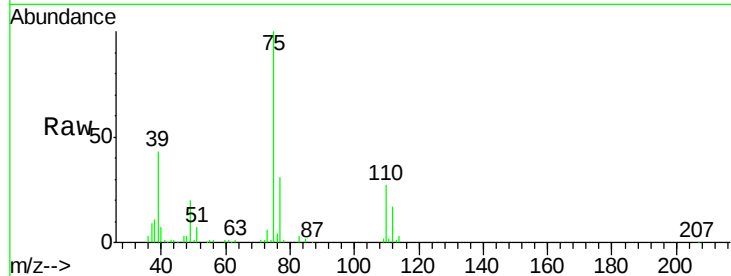
#53
 t-1,3-Dichloropropene
 Concen: 19.046 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion: 75 Resp: 96040
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.2

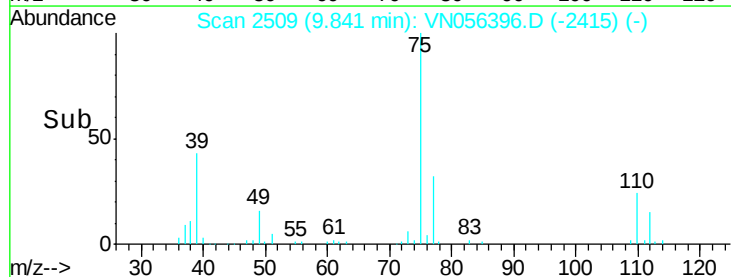
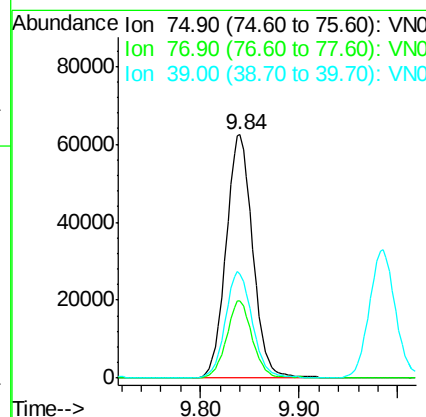
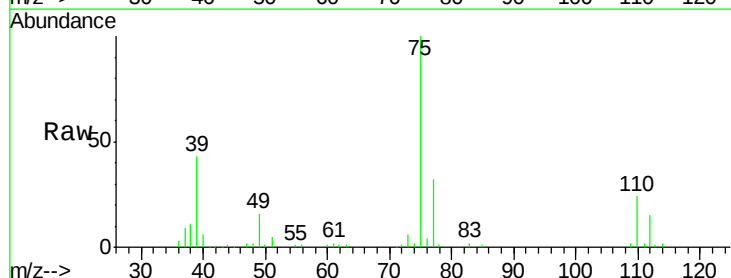
Manual Integrations
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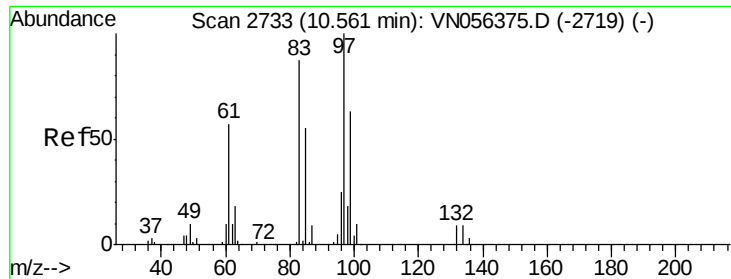
MMDadoda
 6/21/2019 10:50:33 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.485 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Tgt Ion: 75 Resp: 118638
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.2 37.8
 39 43.0 34.2 51.4





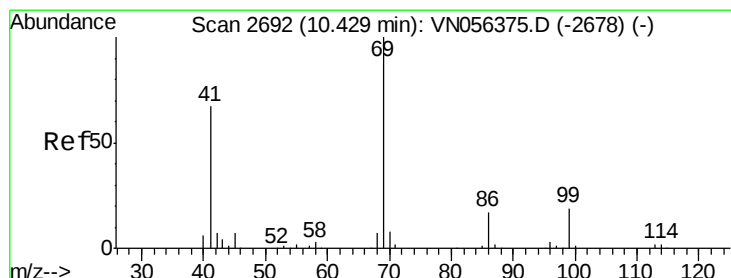
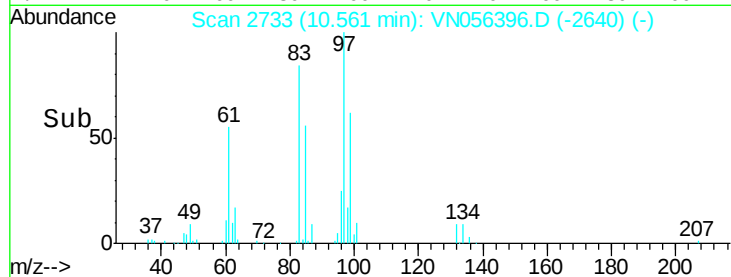
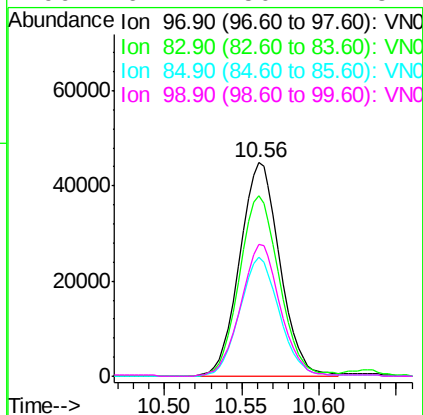
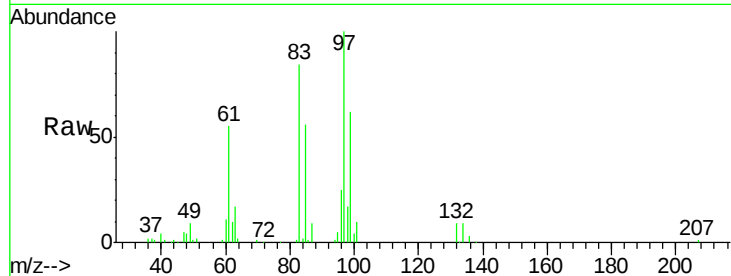
#55
 1,1,2-Trichloroethane
 Concen: 20.371 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.8	104.6
85	55.6	43.8	65.8
99	61.7	50.2	75.2

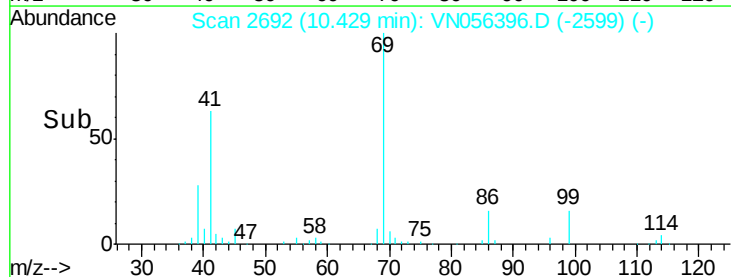
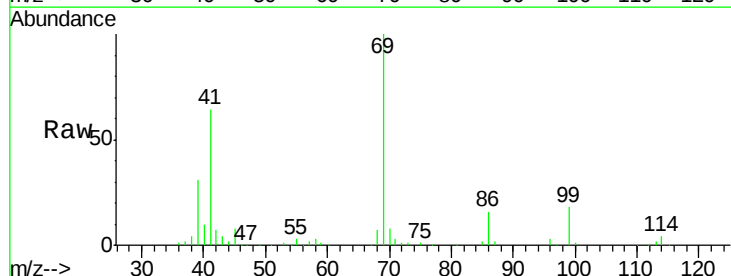
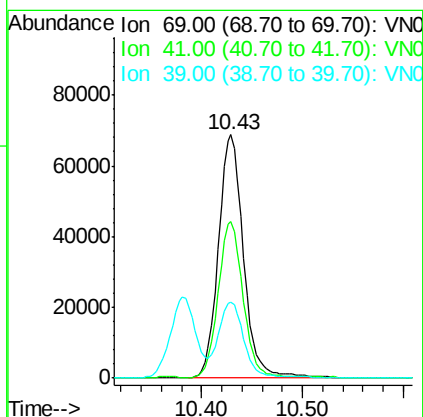
Manual Integrations
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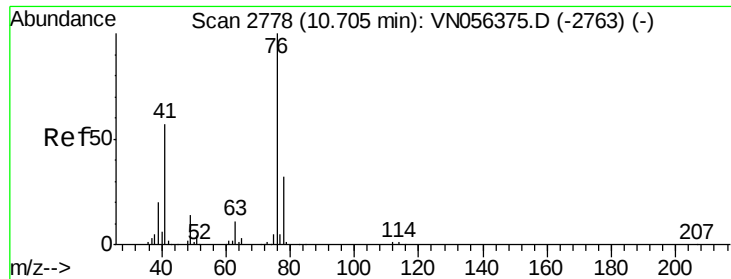
MMDadoda
 6/21/2019 10:50:33 PM



#56
 Ethyl methacrylate
 Concen: 20.607 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.4	77.2
39	31.3	24.7	37.1





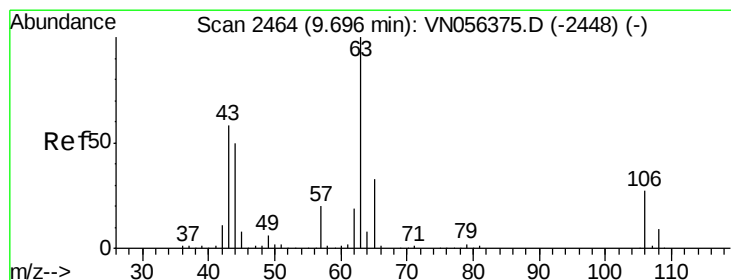
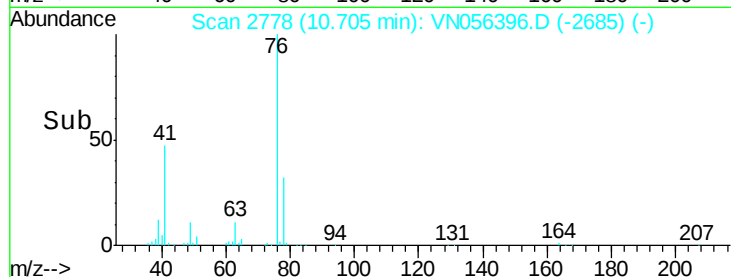
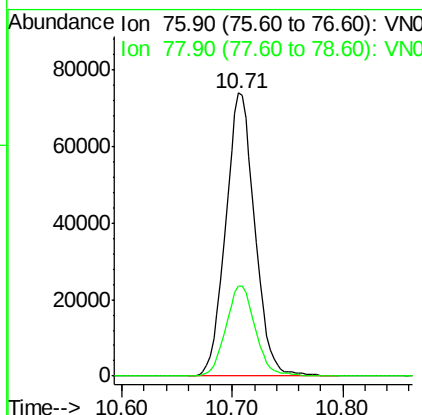
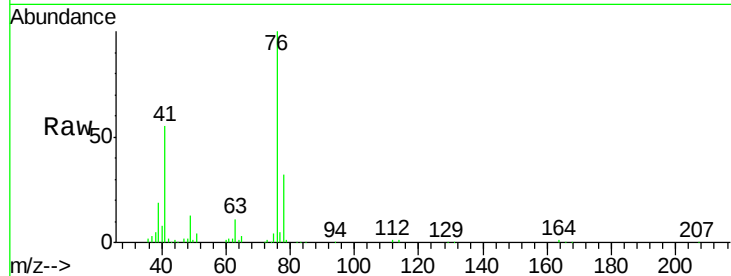
#57
 1,3-Dichloropropane
 Concen: 20.201 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion: 76 Resp: 135158
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9

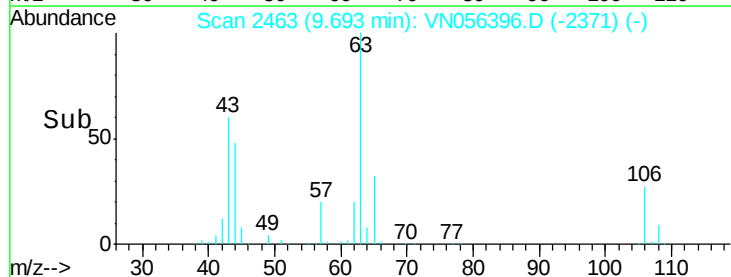
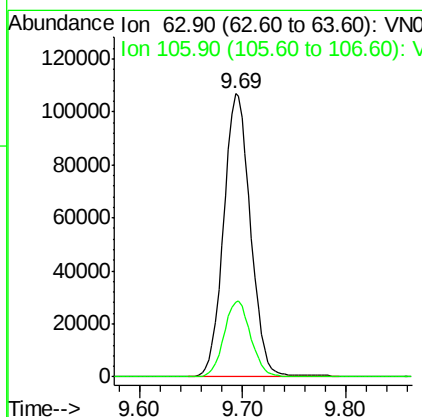
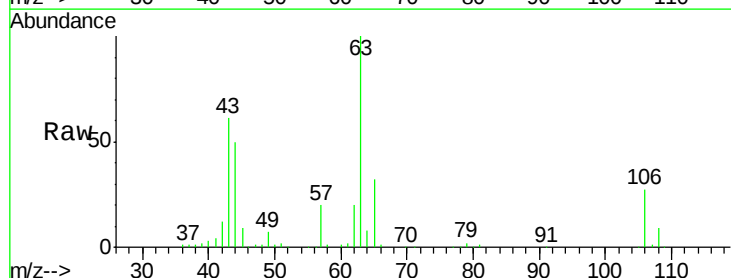
Manual Integrations
 APPROVED

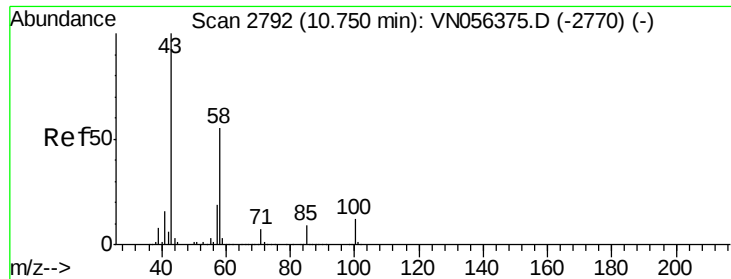
MMDadoda
 6/21/2019 10:50:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.961 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Tgt Ion: 63 Resp: 194378
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.6 32.4





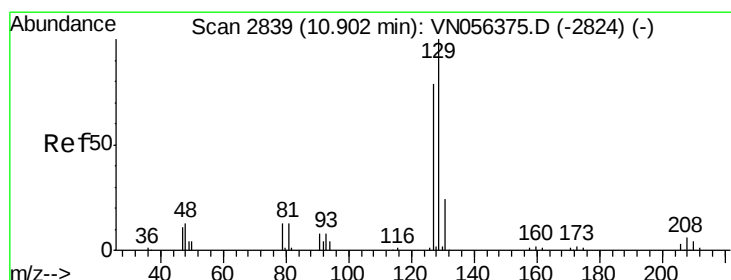
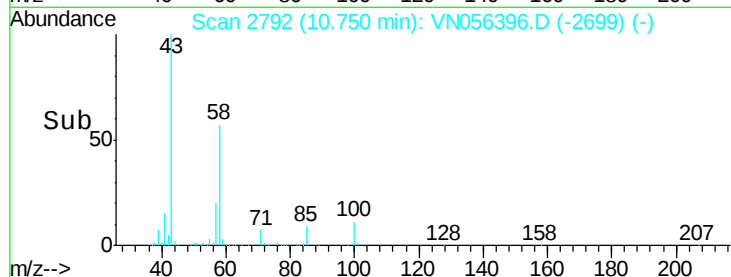
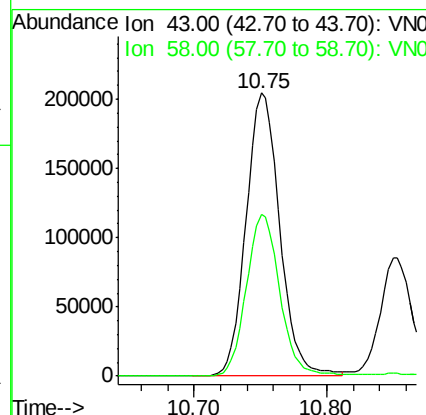
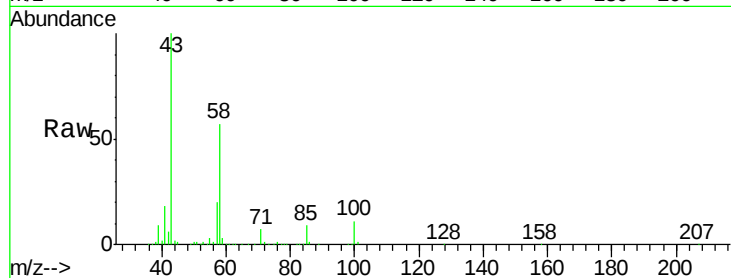
#59
2-Hexanone
Concen: 95.159 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion: 43 Resp: 360399
Ion Ratio Lower Upper
43 100
58 57.1 27.8 83.4

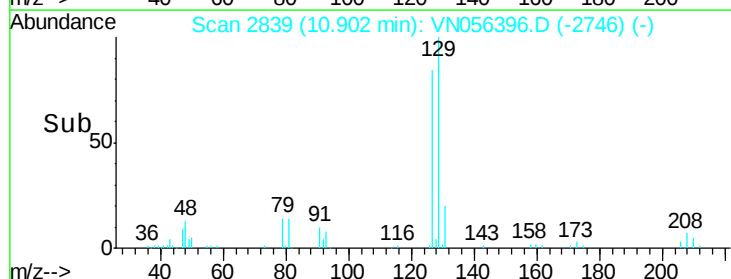
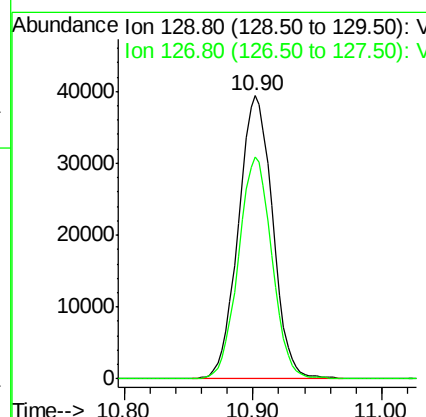
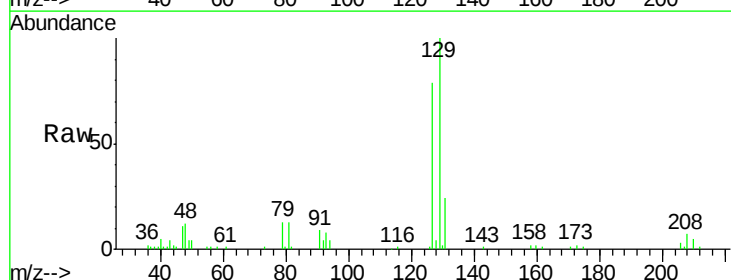
Manual Integrations
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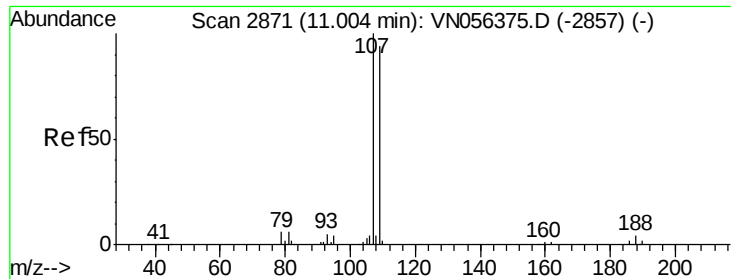
MMDadoda
6/21/2019 10:50:33 PM



#60
Dibromochloromethane
Concen: 19.314 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion: 129 Resp: 72782
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





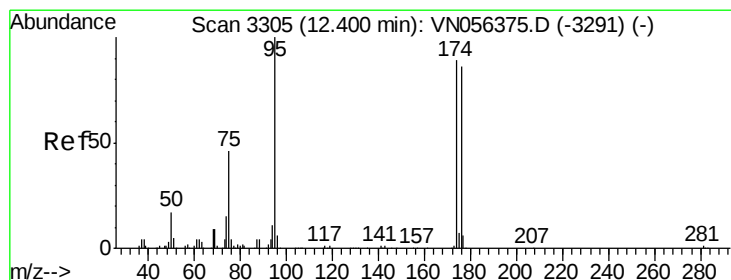
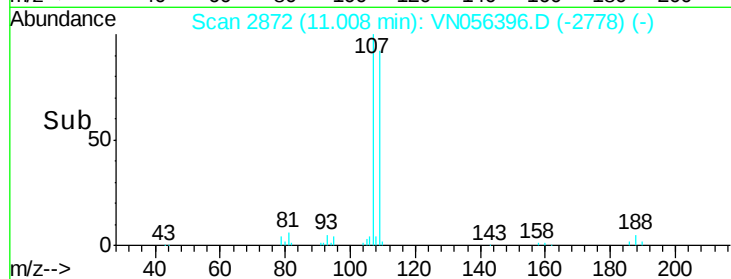
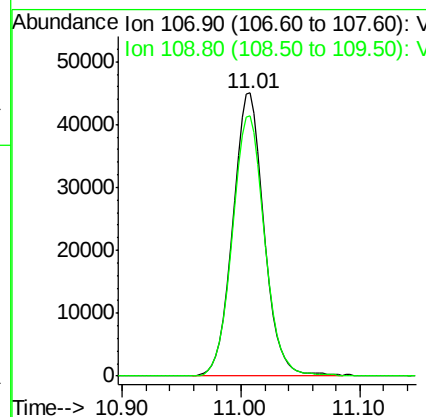
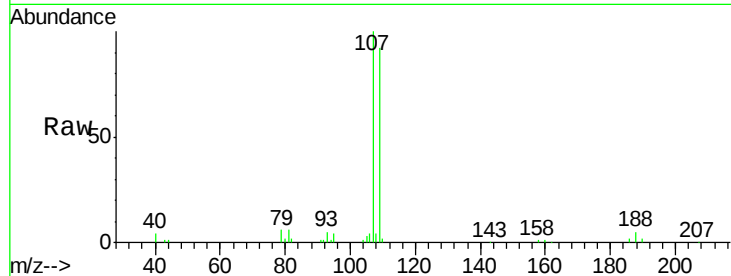
#61
 1,2-Dibromoethane
 Concen: 20.059 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0620WBSD01

Tot Ion: 107 Resp: 81591
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.3 112.9

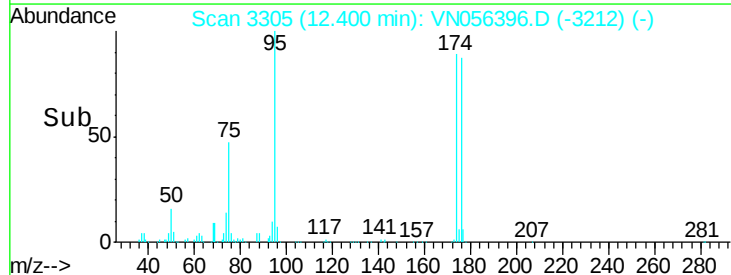
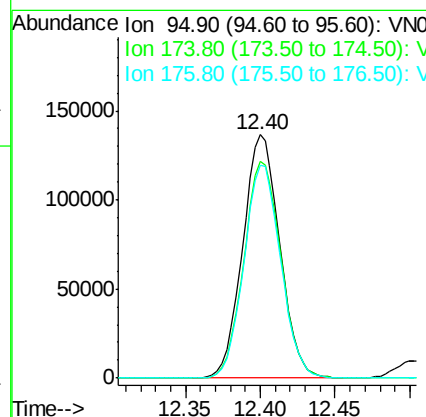
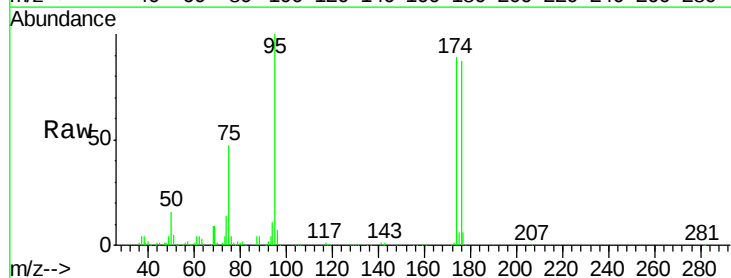
Manual Integrations
 APPROVED

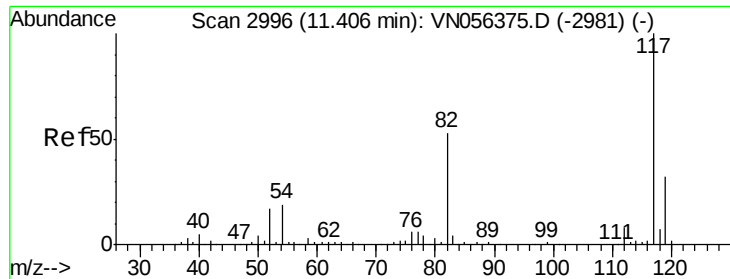
MMDadoda
 6/21/2019 10:50:33 PM



#62
 4-Bromofluorobenzene
 Concen: 48.398 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Tgt Ion: 95 Resp: 234425
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 179.4
 176 87.2 0.0 173.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

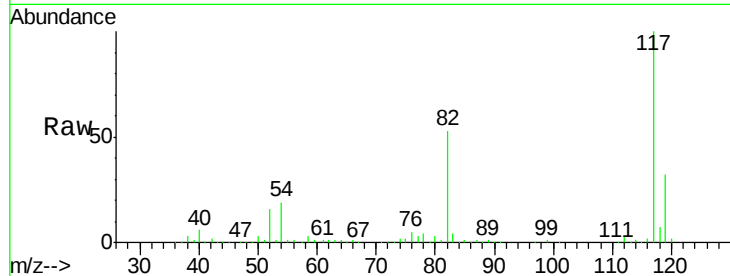
ClientSampleId :

VN0620WBSD01

Tot Ion:	117	Resp:	521375
Ion Ratio	Lower	Upper	
117	100		
82	53.1	42.0	63.0
119	32.0	25.3	37.9

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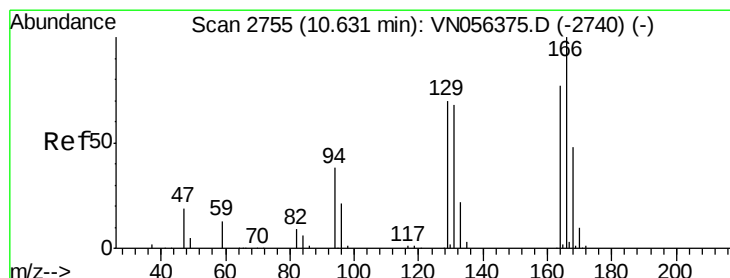
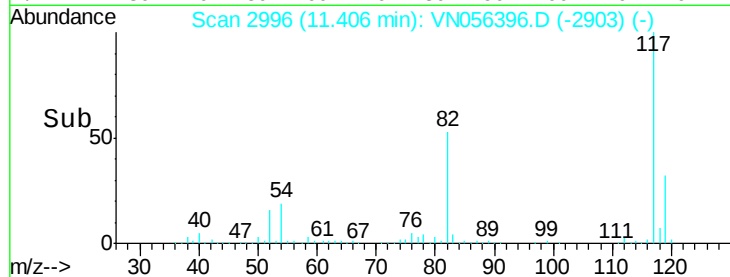
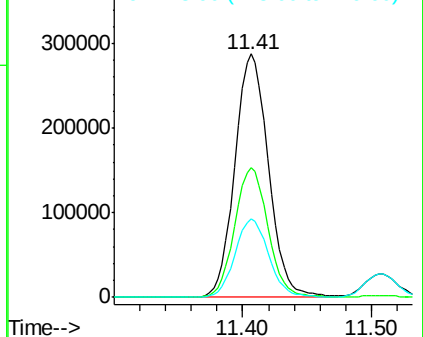


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.432 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Tgt Ion:	164	Resp:	80233
Ion Ratio	Lower	Upper	
164	100		
166	132.9	103.4	155.0
129	91.2	72.0	108.0
131	90.0	70.2	105.2

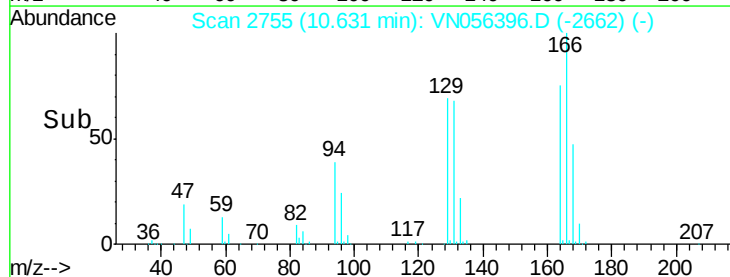
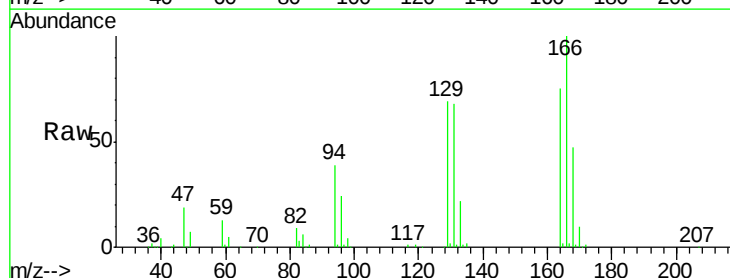
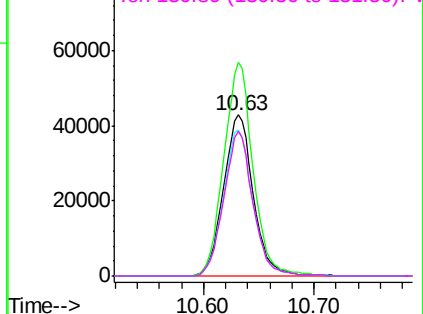
Abundance

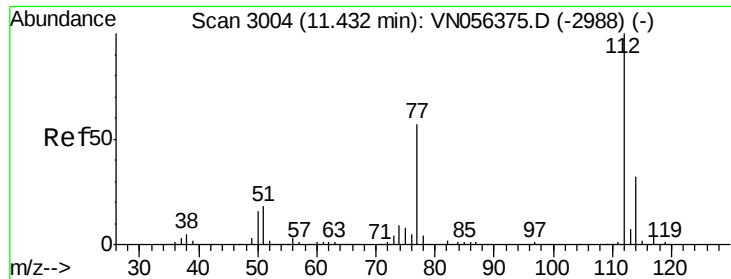
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





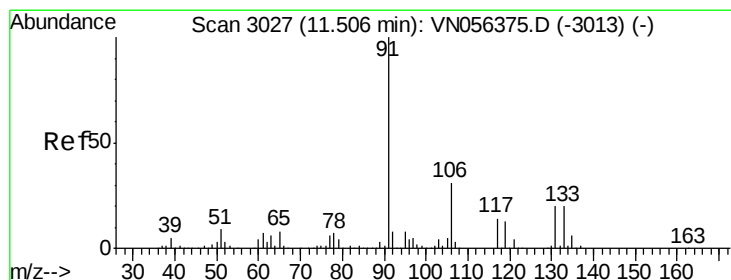
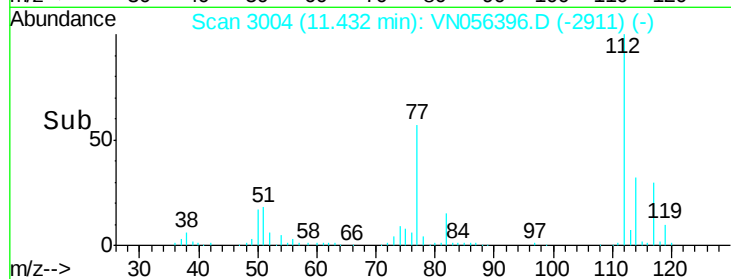
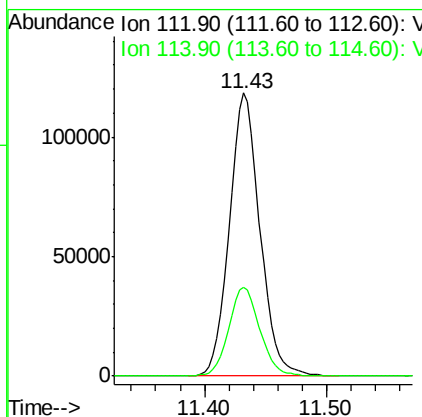
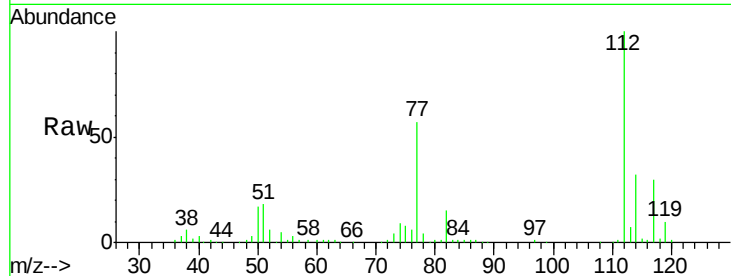
#65
Chlorobenzene
Concen: 19.712 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampled :
VN0620WBSD01

Tot Ion:112 Resp: 206507
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

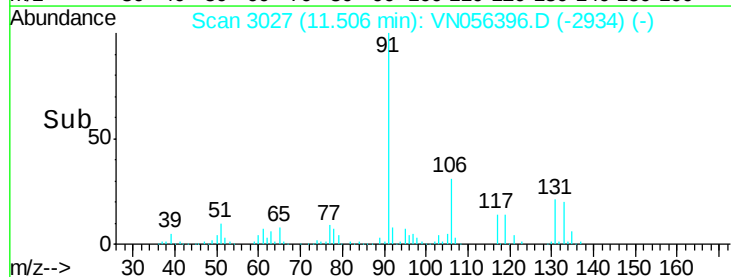
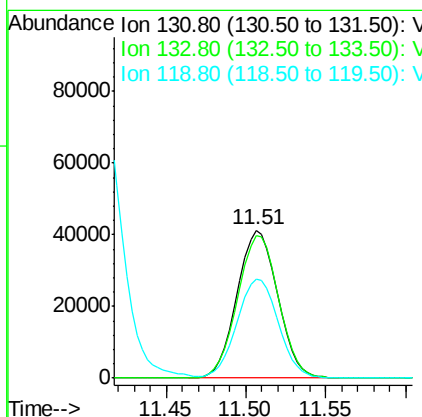
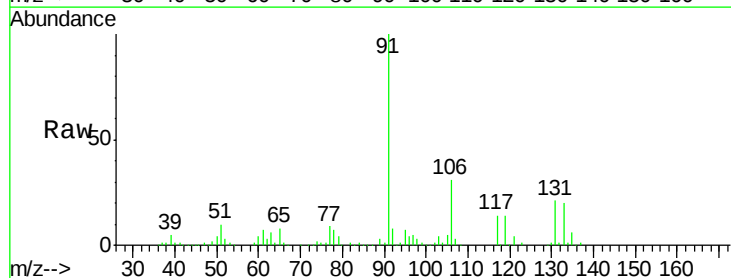
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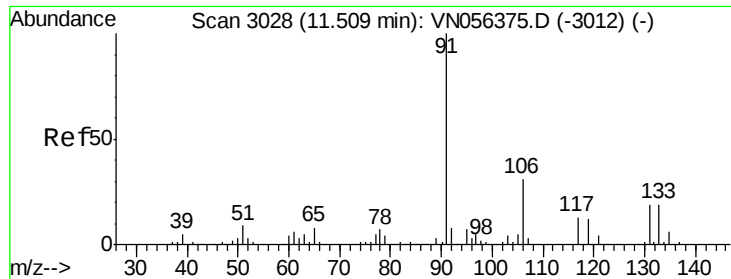
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.240 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion:131 Resp: 71664
Ion Ratio Lower Upper
131 100
133 97.8 47.4 142.2
119 68.5 32.8 98.4





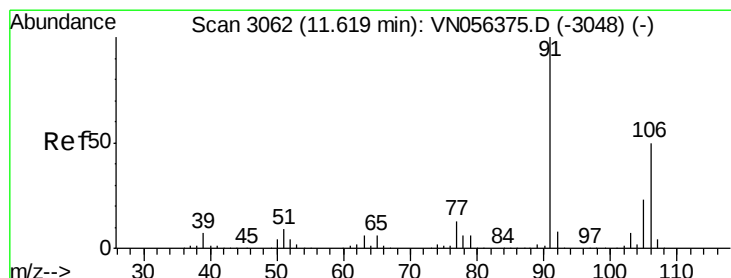
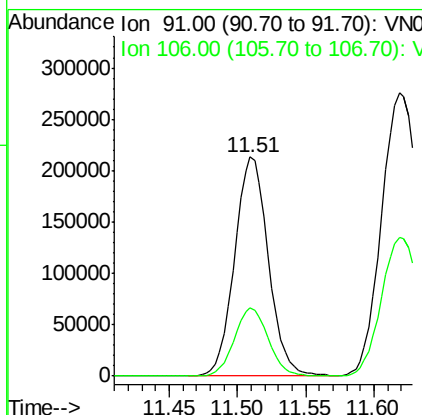
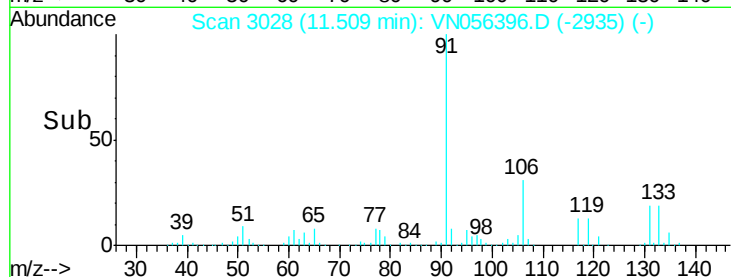
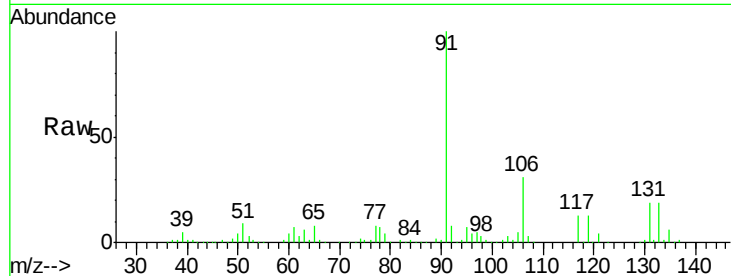
#67
Ethyl Benzene
Concen: 19.929 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion: 91 Resp: 366584
Ion Ratio Lower Upper
91 100
106 31.0 25.1 37.7

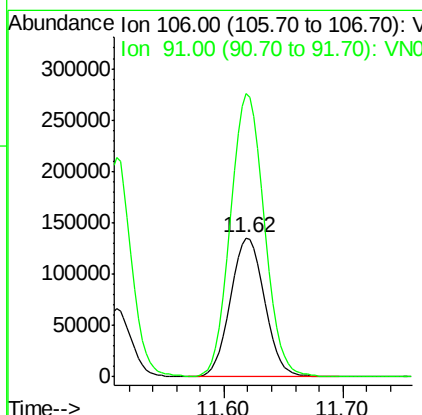
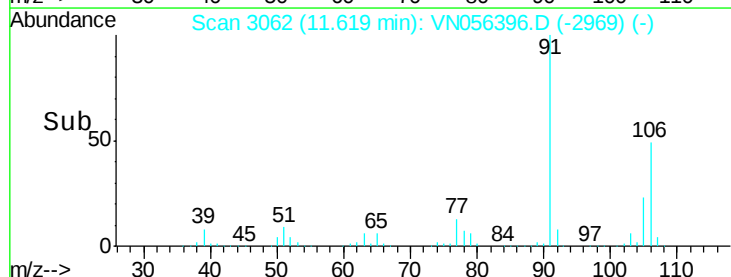
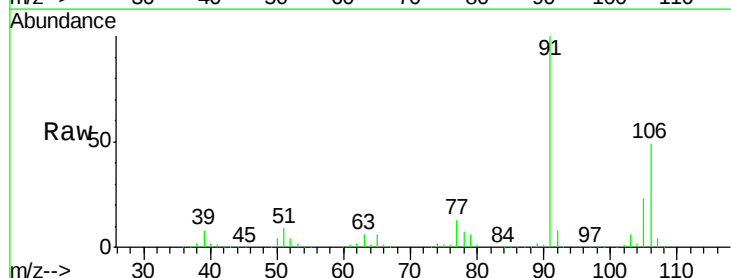
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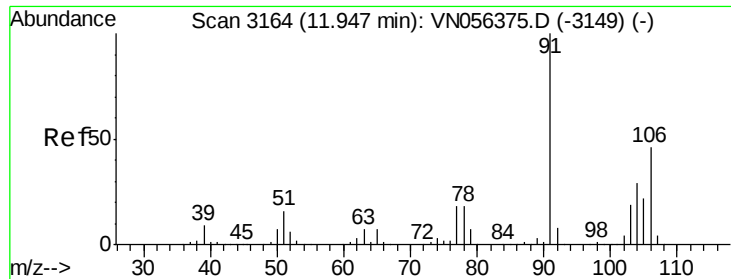
MMDadoda
6/21/2019 10:50:33 PM



#68
m/p-Xylenes
Concen: 40.030 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion: 106 Resp: 269855
Ion Ratio Lower Upper
106 100
91 201.1 160.1 240.1





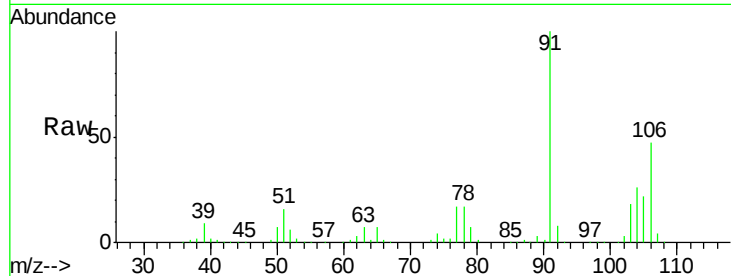
#69
o-Xylene
Concen: 19.945 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

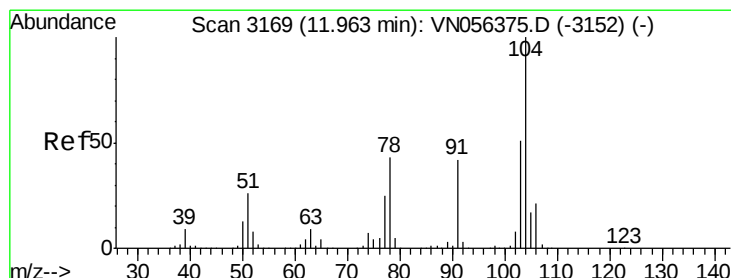
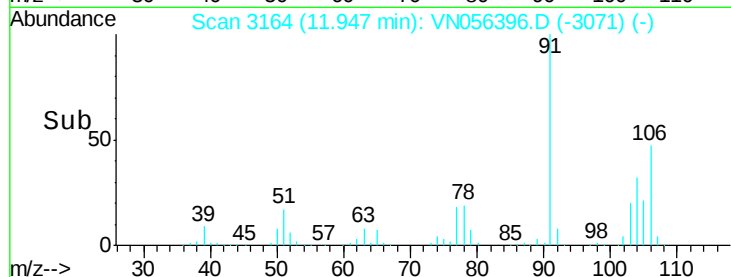
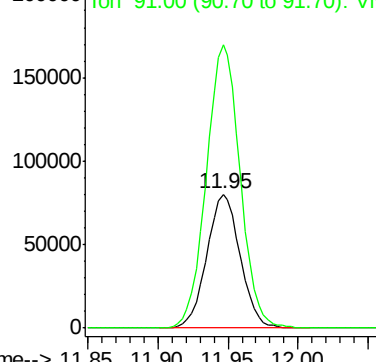
Tot Ion:106 Resp: 133019
Ion Ratio Lower Upper
106 100
91 214.0 107.1 321.3

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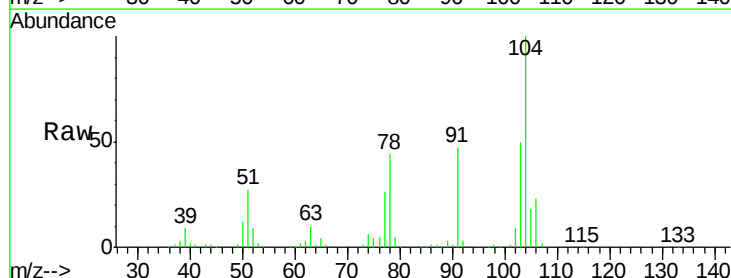


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

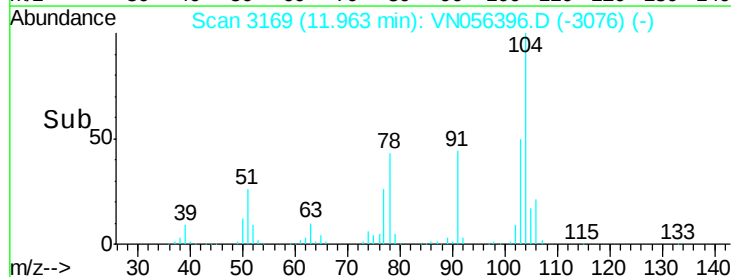
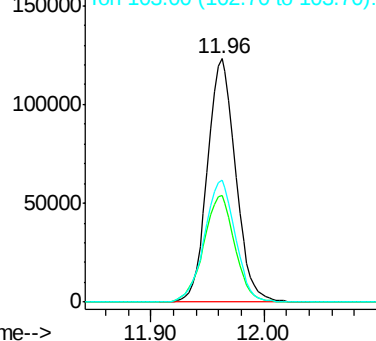


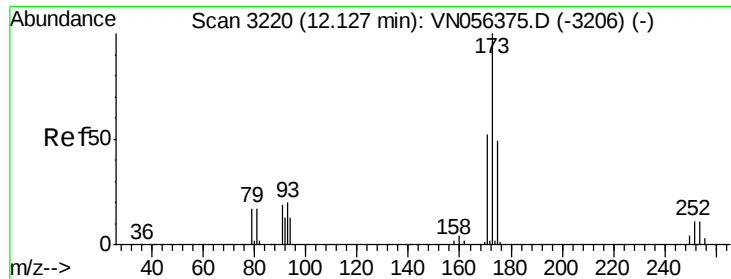
#70
Styrene
Concen: 20.172 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion:104 Resp: 215048
Ion Ratio Lower Upper
104 100
78 48.3 38.6 57.8
103 54.6 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





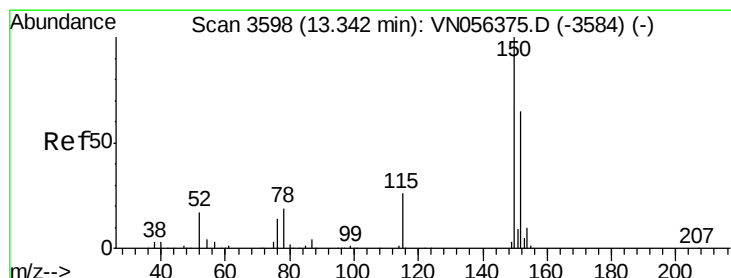
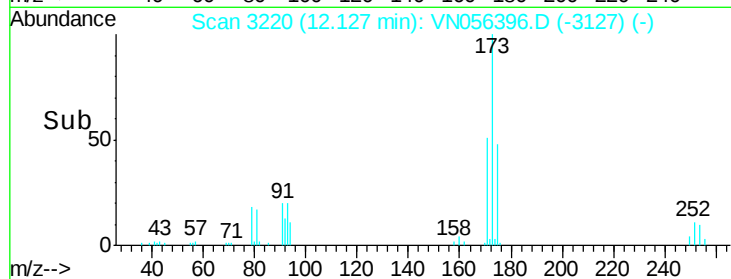
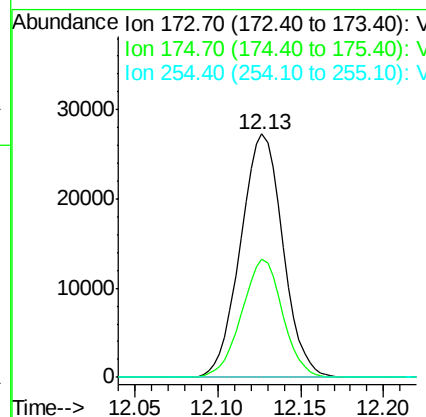
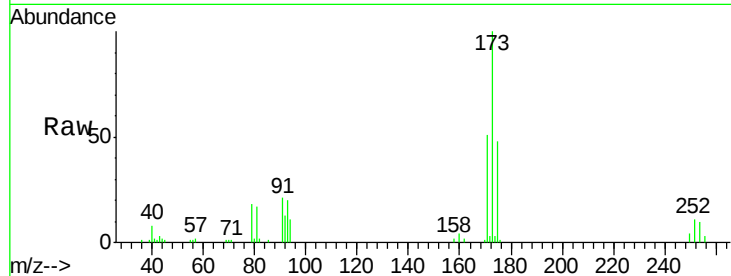
#71
Bromoform
Concen: 19.061 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampled :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.4	73.4
254	0.0	0.0	0.0

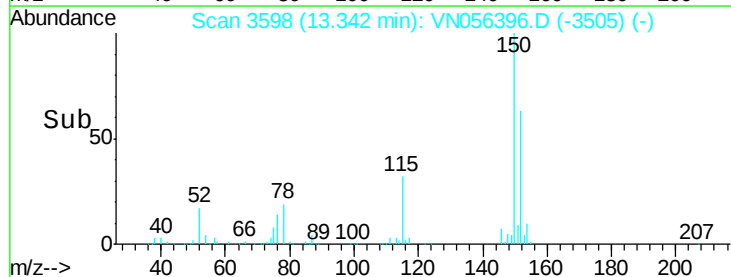
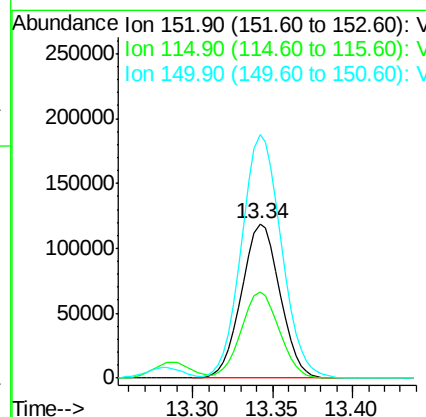
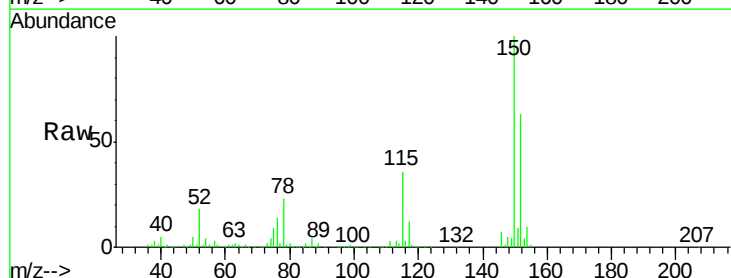
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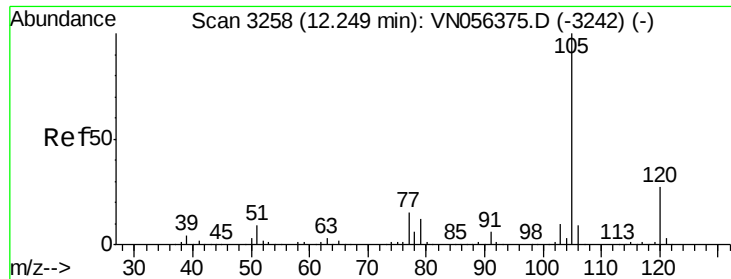
MMDadoda
6/21/2019 10:50:33 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.1	84.4
150	163.7	0.0	348.4





#73

Isopropylbenzene

Concen: 22.825 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

ClientSampleID :

VN0620WBSD01

Tot Ion: 105 Resp: 354562

Ion Ratio Lower Upper

105 100

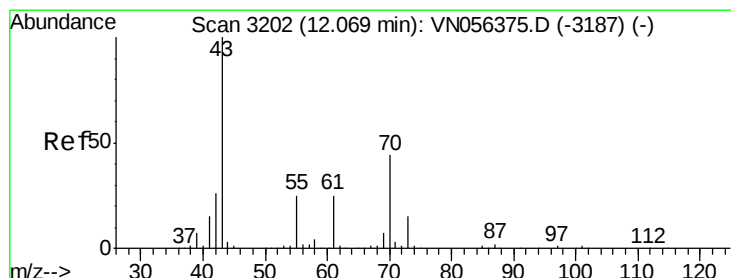
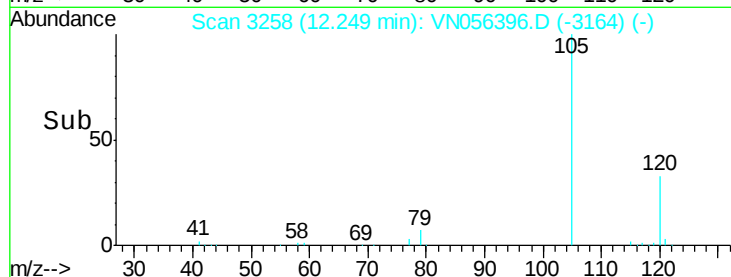
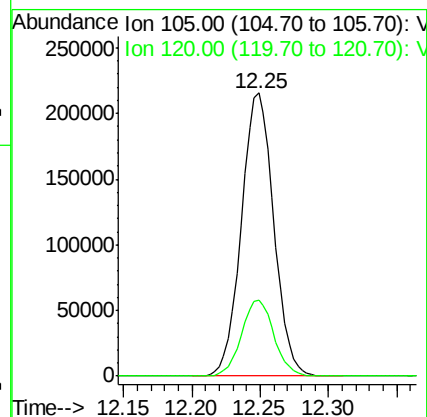
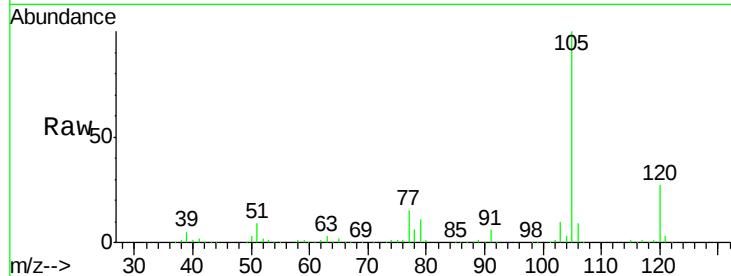
120 26.8 13.4 40.2

Manual Integrations

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6/21/2019 10:50:33 PM



#74

N-ethyl acetate

Concen: 20.571 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Tgt Ion: 43 Resp: 127256

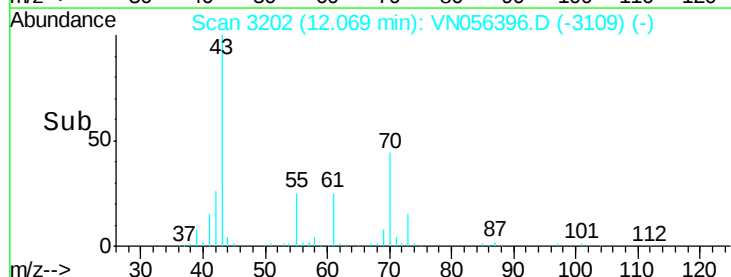
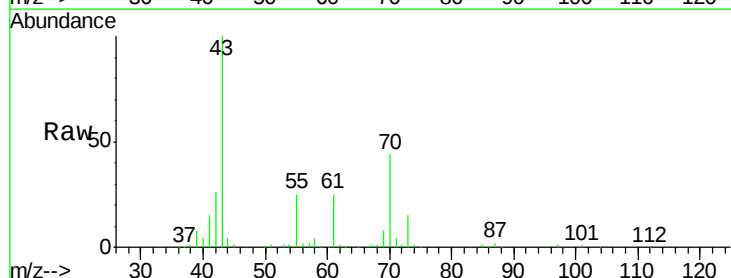
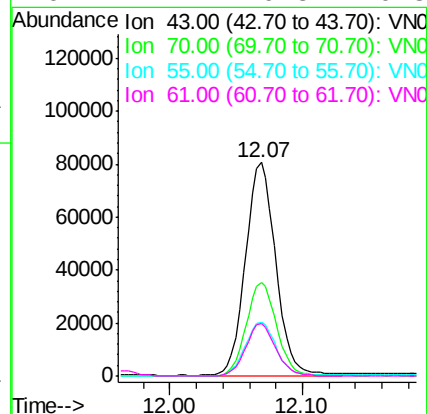
Ion Ratio Lower Upper

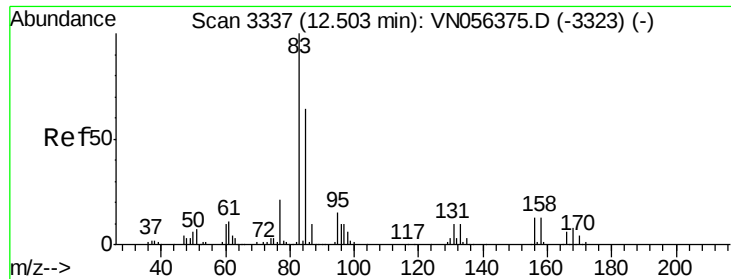
43 100

70 44.5 34.9 52.3

55 26.0 20.4 30.6

61 24.4 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.740 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

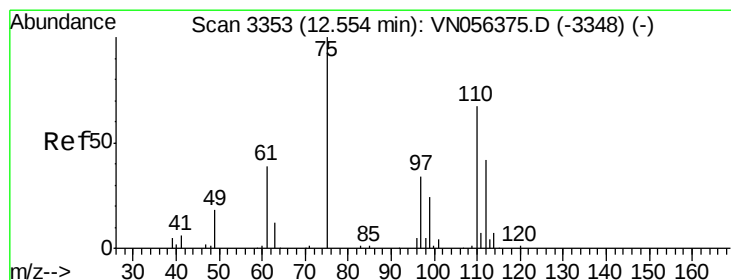
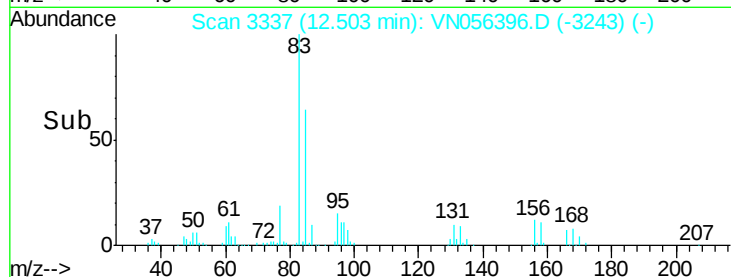
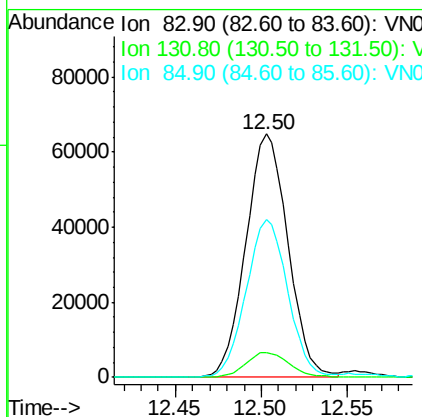
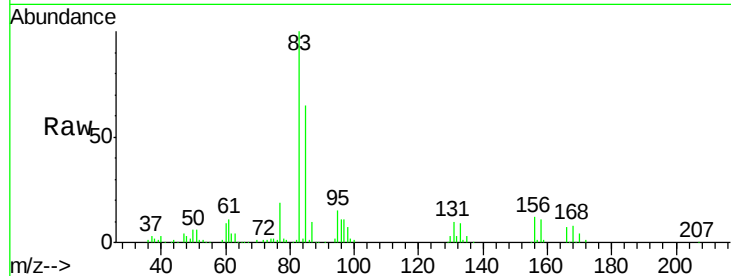
ClientSampleId :

VN0620WBSD01

Tot Ion:	83	Resp:	110358
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	63.9	32.4	97.0

Manual Integrations
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6/21/2019 10:50:33 PM



#76

1,2,3-Trichloropropane

Concen: 23.792 ug/l m

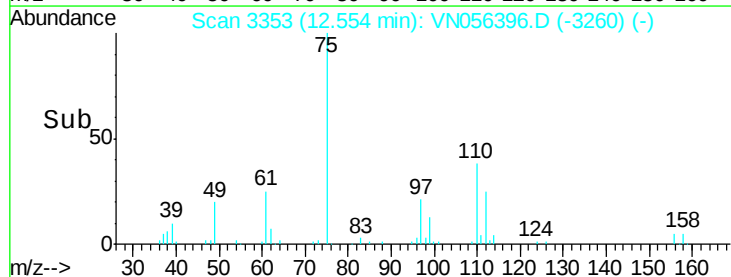
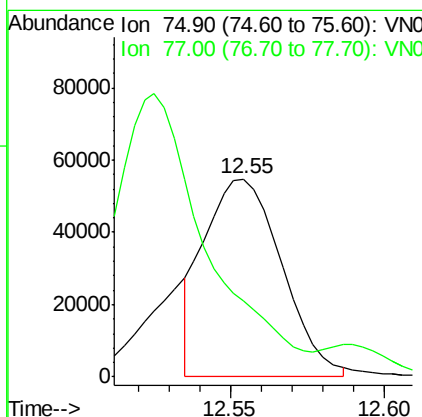
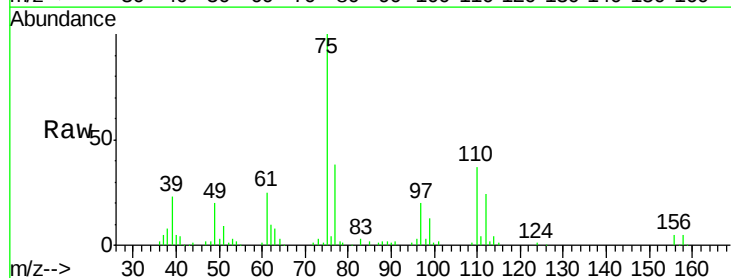
RT: 12.55 min Scan# 3353

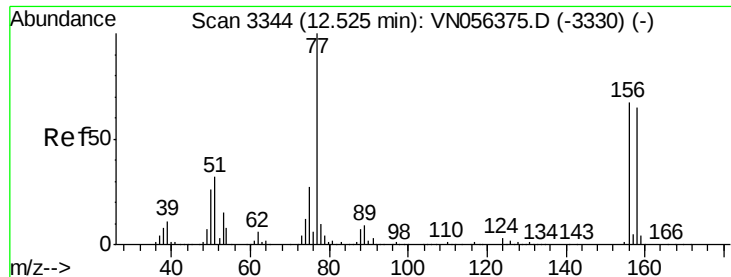
Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Tgt Ion:	75	Resp:	95895
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.894 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

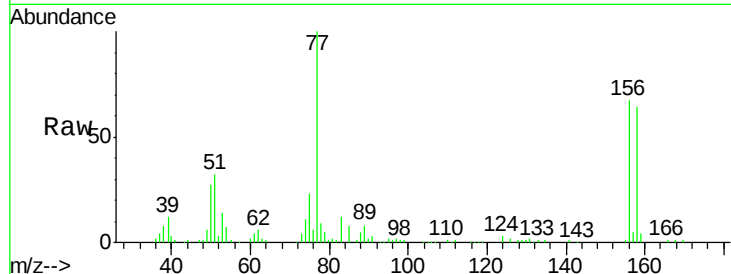
ClientSampleId :

VN0620WBSD01

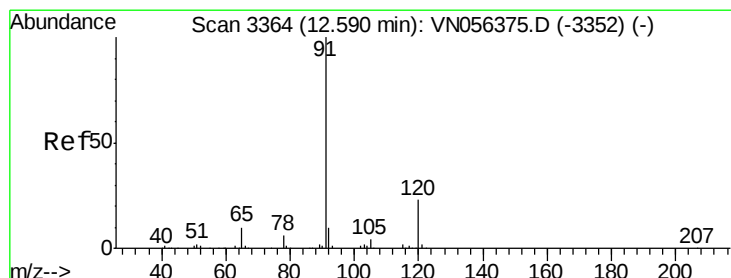
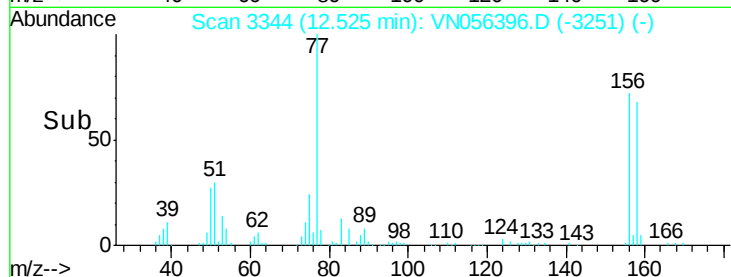
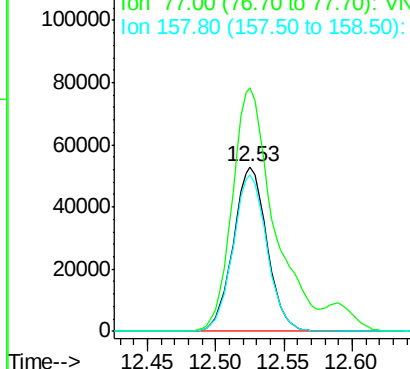
Tot Ion:	156	Resp:	90813
Ion Ratio	Lower	Upper	
156	100		
77	183.0	92.5	277.3
158	95.3	48.7	146.1

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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: 20.725 ug/l

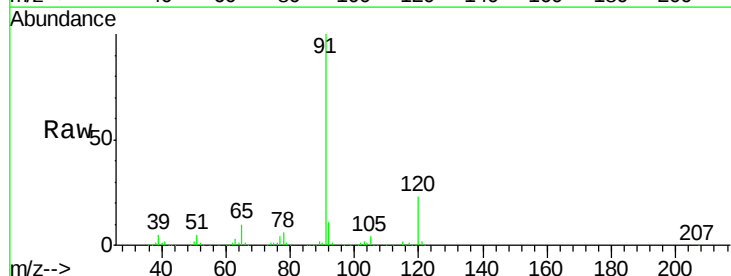
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

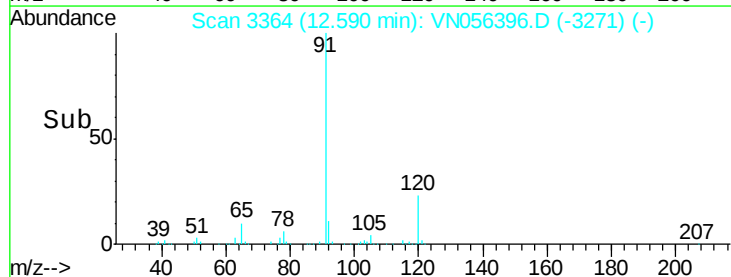
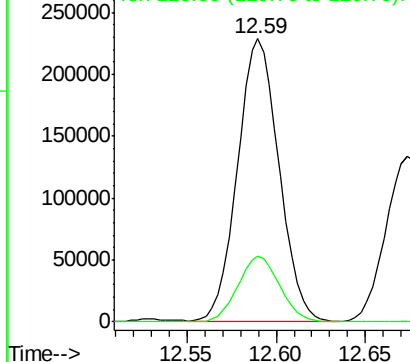
Lab File: VN056396.D

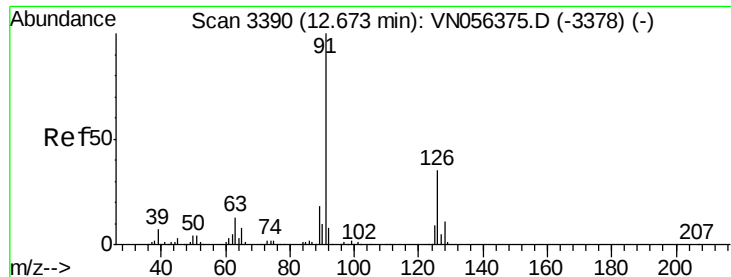
Acq: 20 Jun 2019 12:42

Tgt Ion:	91	Resp:	368918
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.864 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

VN0620WBSD01

Tot Ion: 91 Resp: 227300

Ion Ratio Lower Upper

91 100

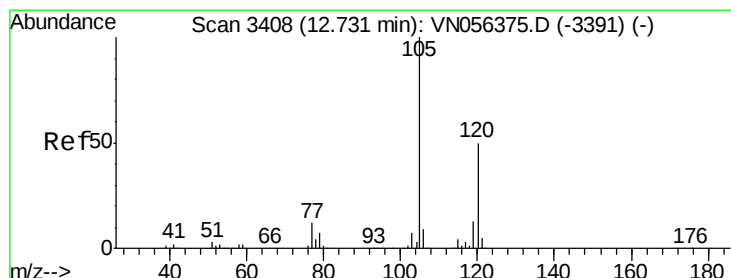
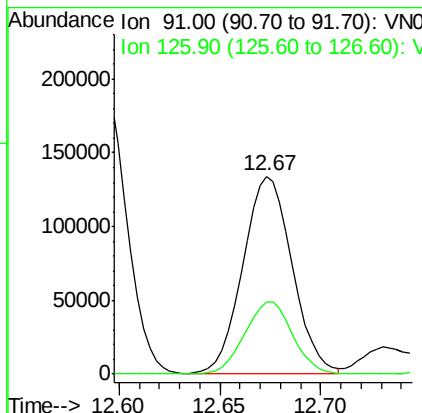
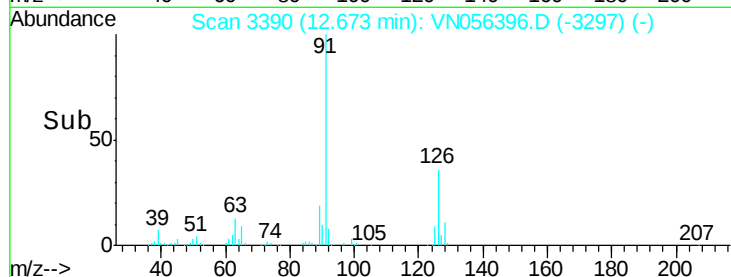
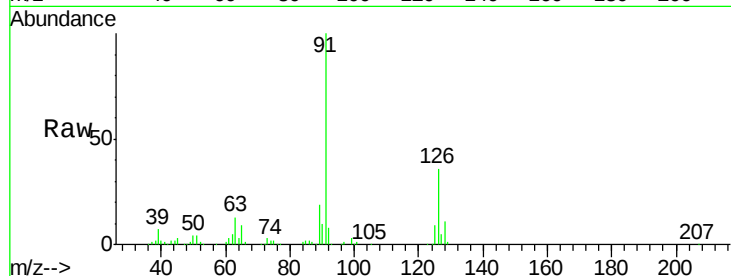
126 35.9 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.363 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056396.D

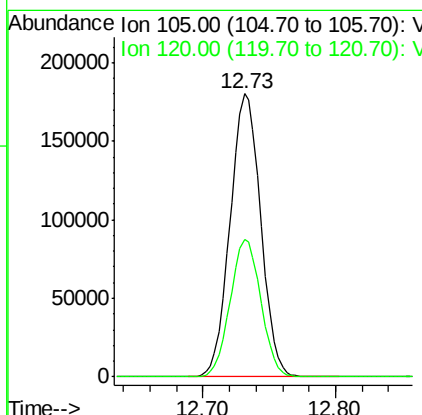
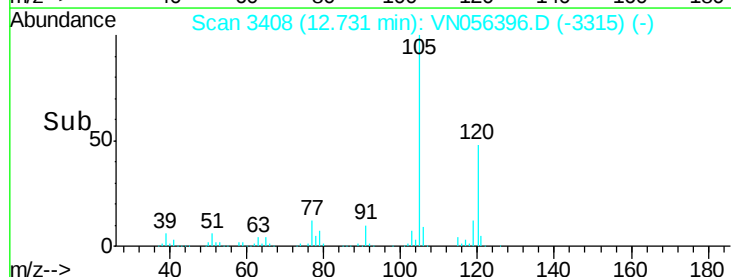
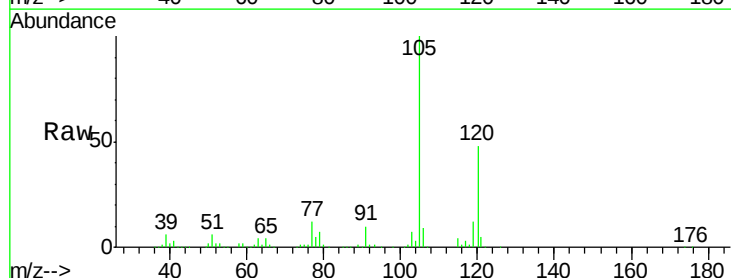
Acq: 20 Jun 2019 12:42

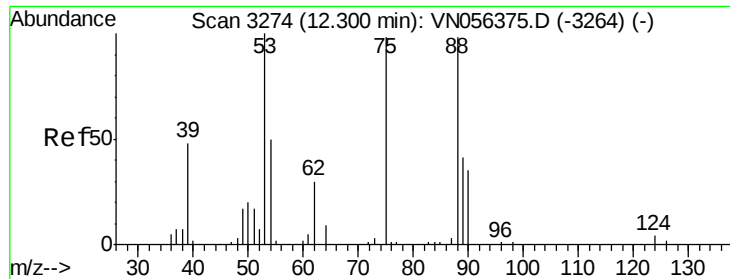
Tgt Ion: 105 Resp: 288844

Ion Ratio Lower Upper

105 100

120 48.5 24.8 74.4





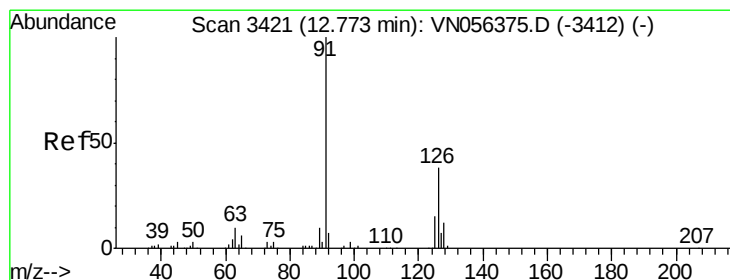
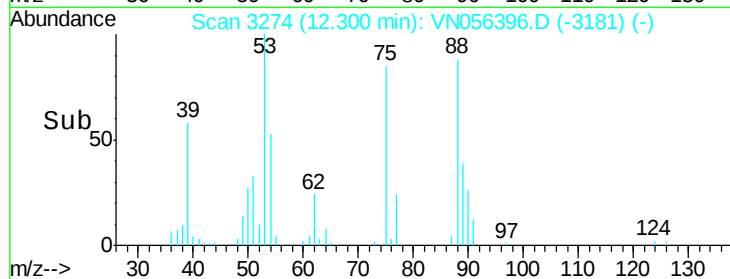
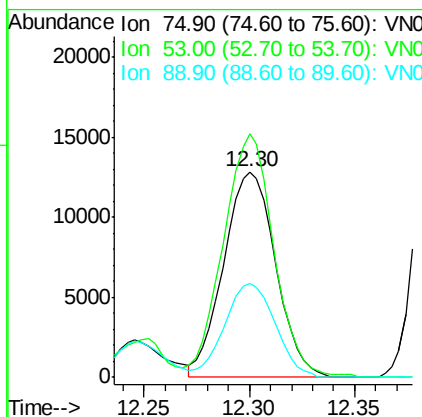
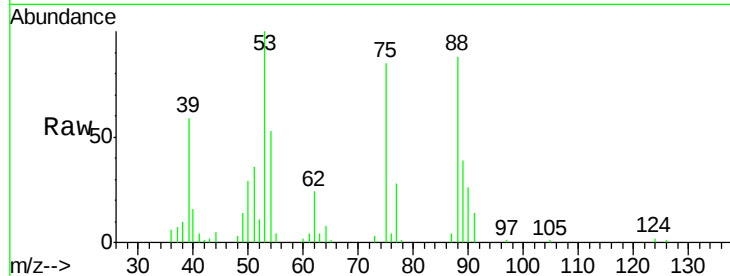
#81
trans-1,4-Dichloro-2-butene
Concen: 19.343 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.6	83.9	125.9
89	44.5	35.0	52.6

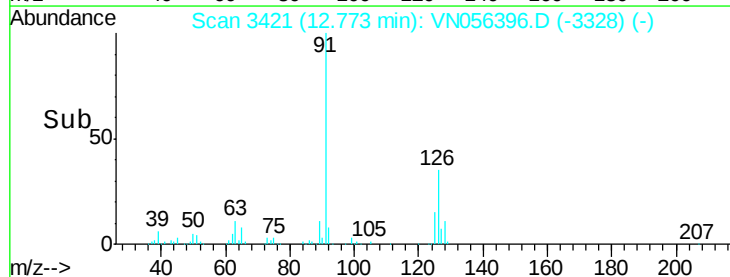
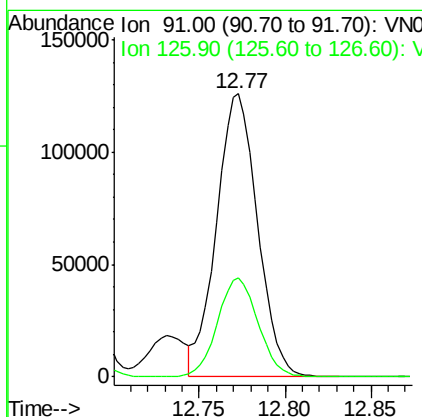
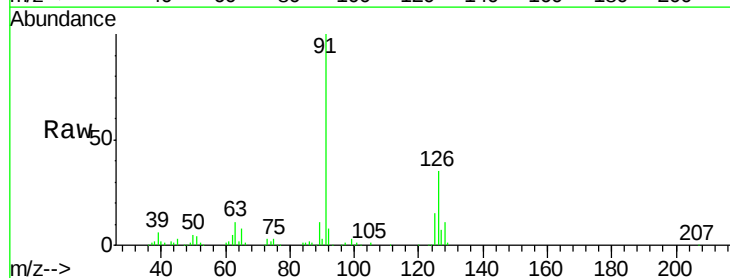
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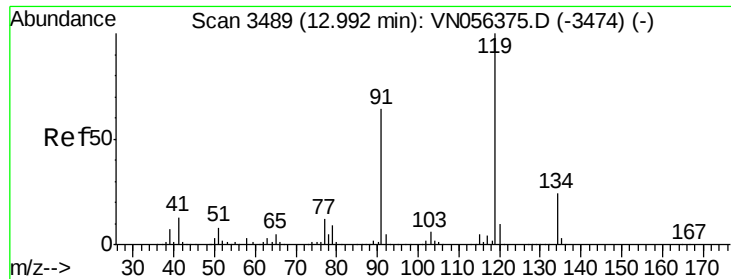
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.872 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	52.0





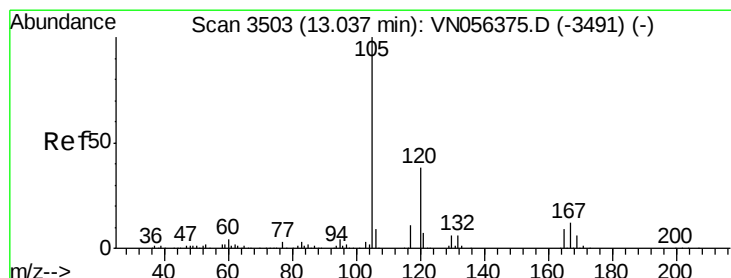
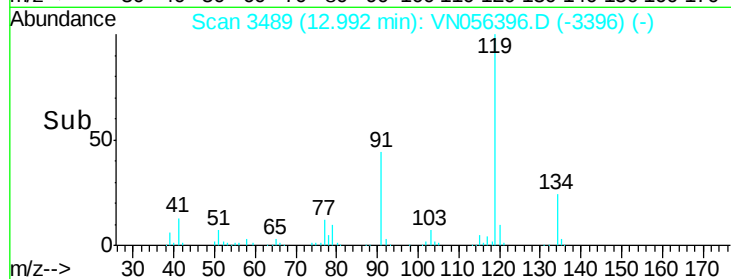
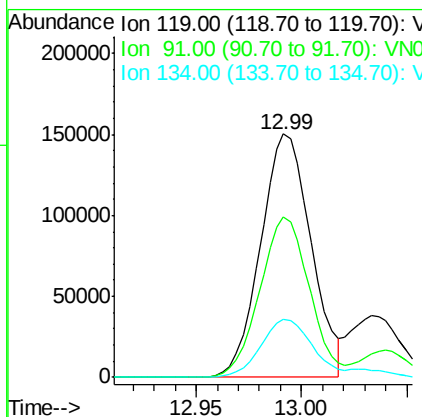
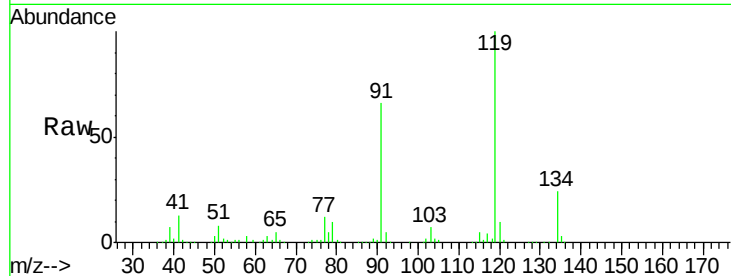
#83
tert-Butylbenzene
Concen: 21.895 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	31.6	94.7
134	24.3	13.2	39.5

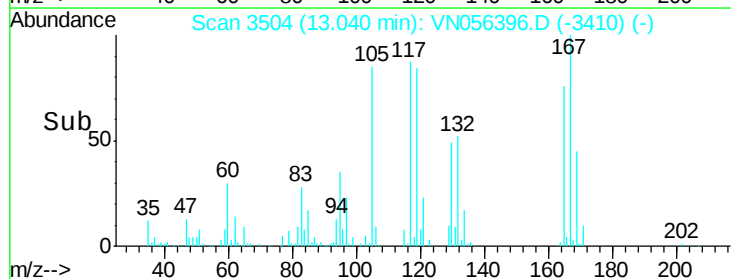
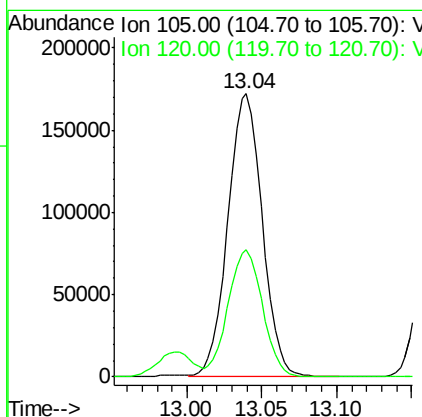
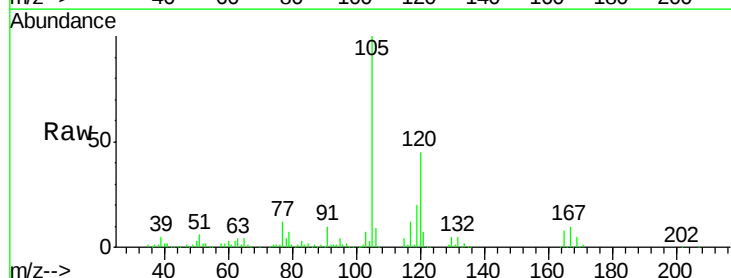
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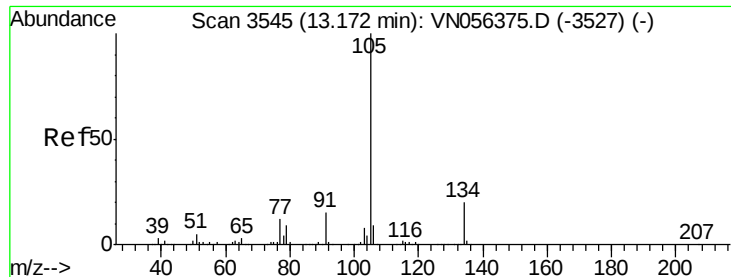
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.969 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056396.D
Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.8





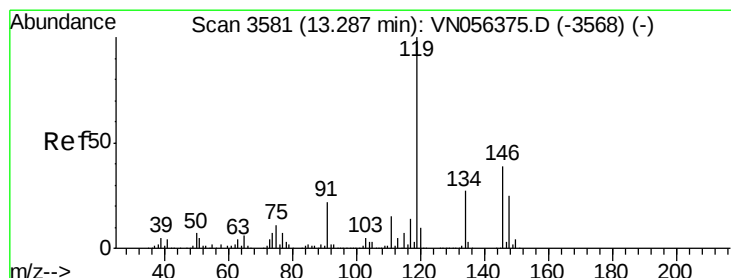
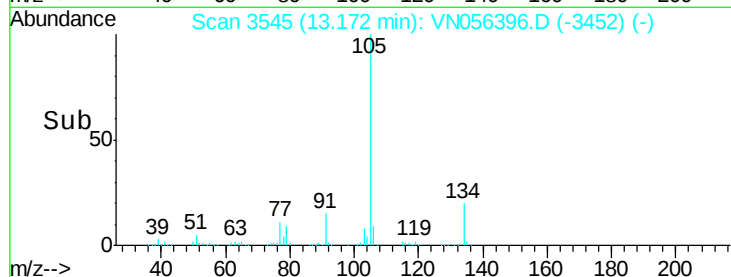
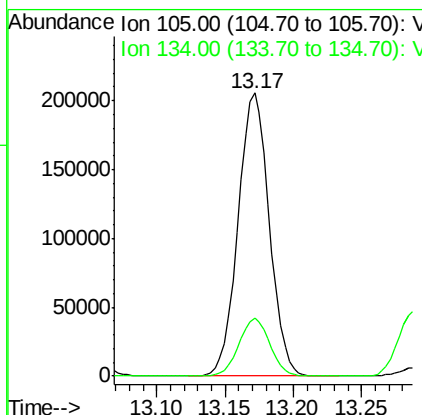
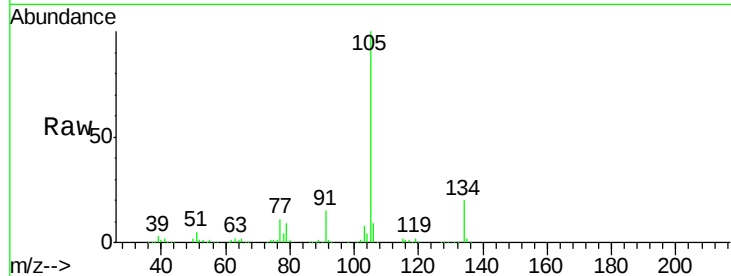
#85
 sec-Butylbenzene
 Concen: 20.834 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.4

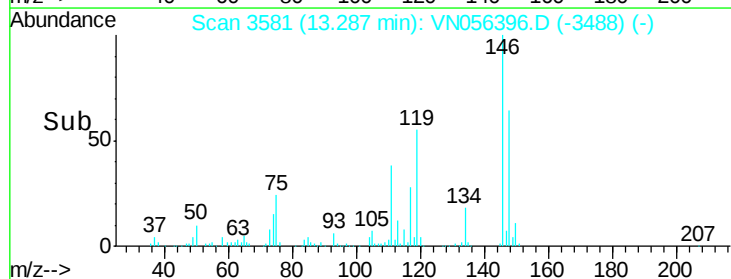
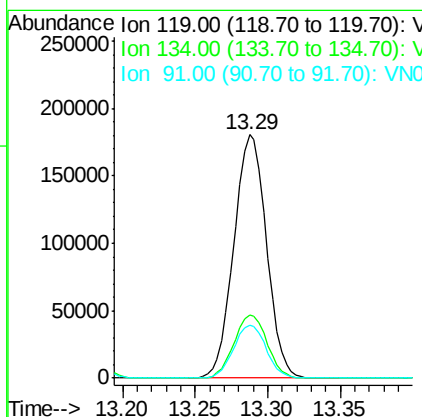
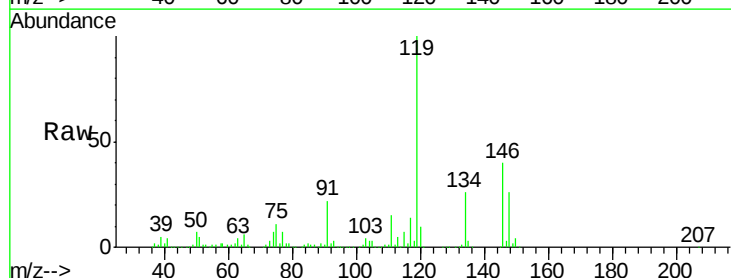
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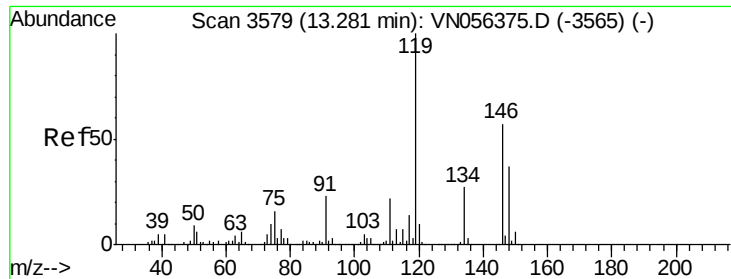
MMDadoda
 6/21/2019 10:50:33 PM



#86
 p-Isopropyltoluene
 Concen: 20.886 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.4
91	21.9	11.2	33.5





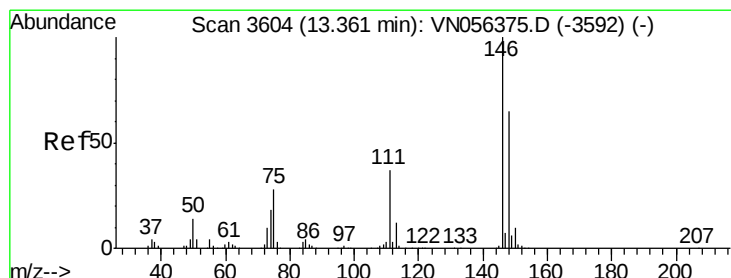
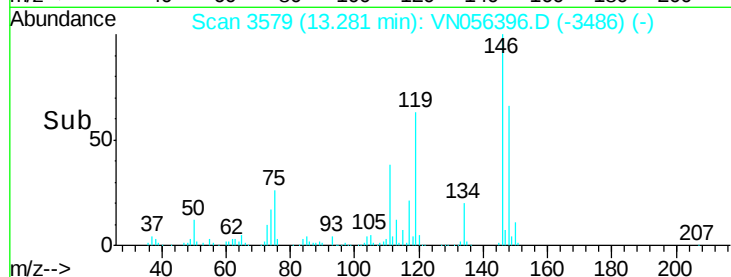
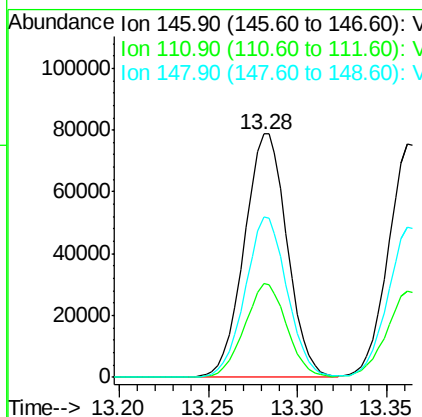
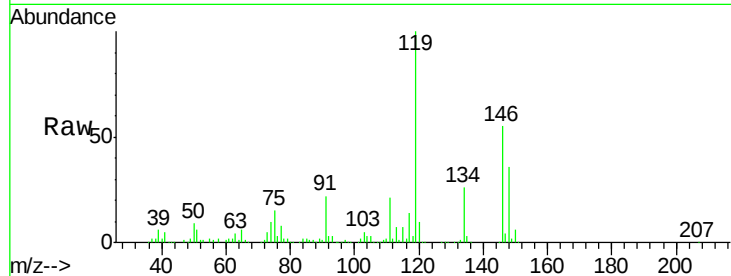
#87
 1,3-Dichlorobenzene
 Concen: 20.097 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.9
148	64.5	32.1	96.5

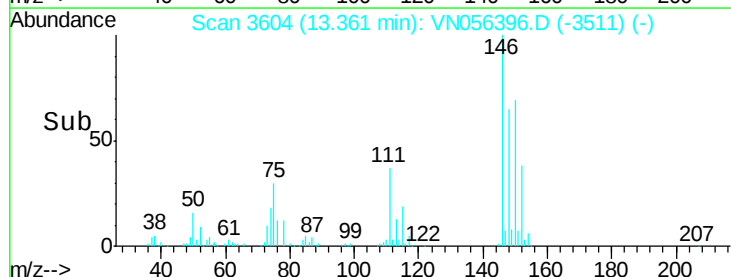
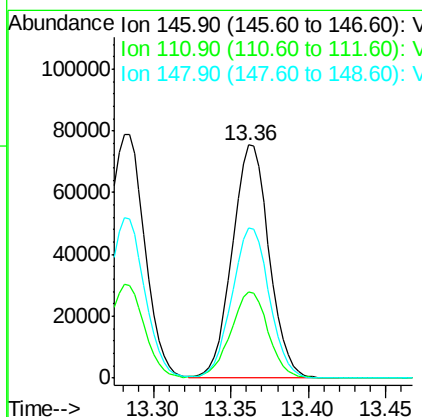
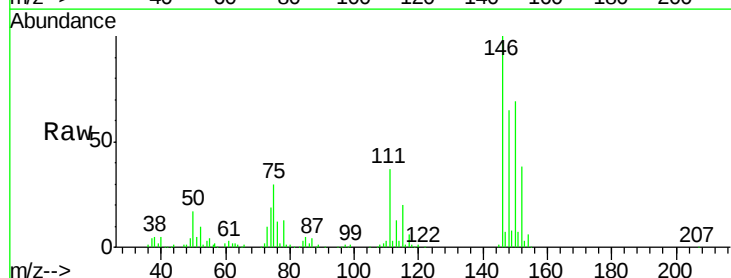
Manual Integrations
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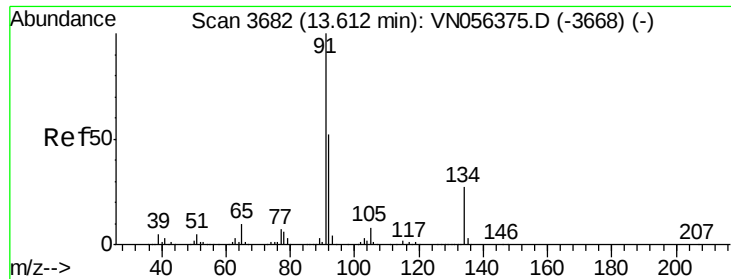
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#88
 1,4-Dichlorobenzene
 Concen: 19.586 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.4
148	65.4	32.4	97.0





#89

n-Butylbenzene

Concen: 19.367 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

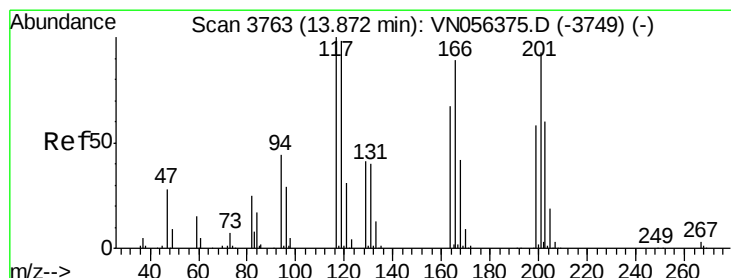
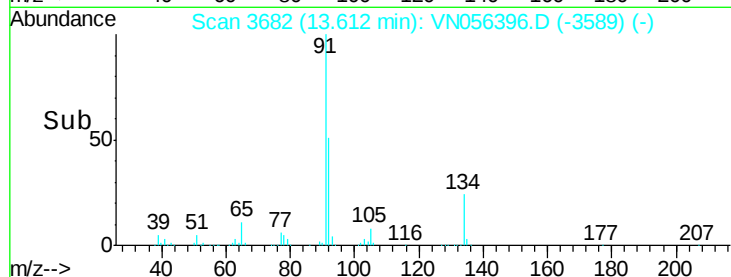
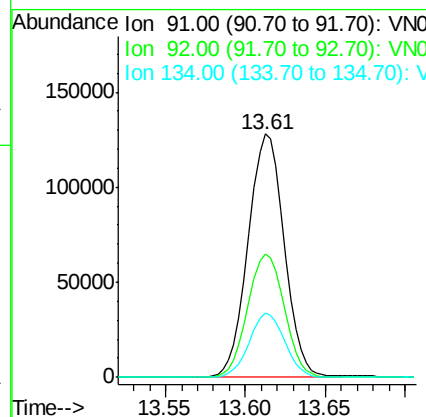
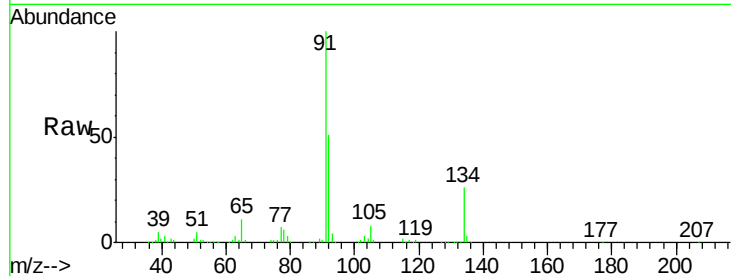
ClientSampleId :

VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.5
134	26.0	13.4	40.2

Manual Integrations
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#90

Hexachloroethane

Concen: 20.080 ug/l

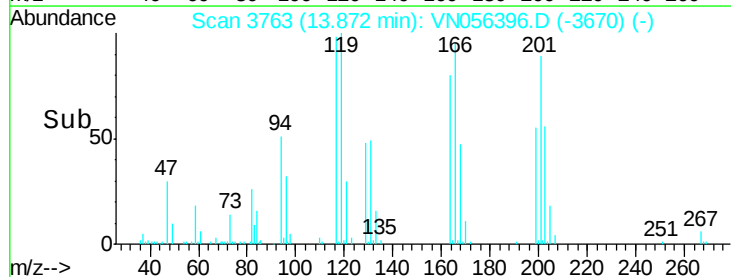
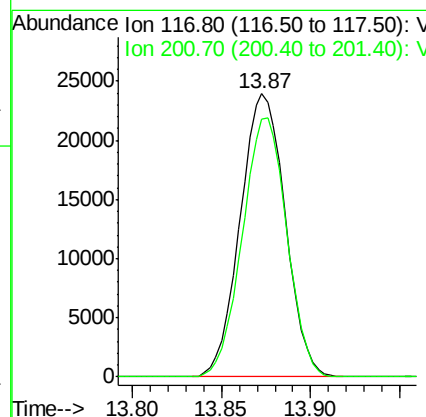
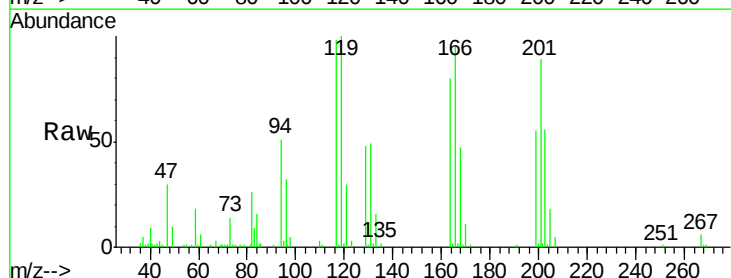
RT: 13.87 min Scan# 3763

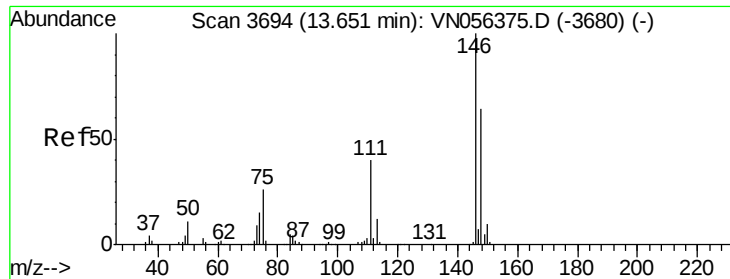
Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.9	137.6





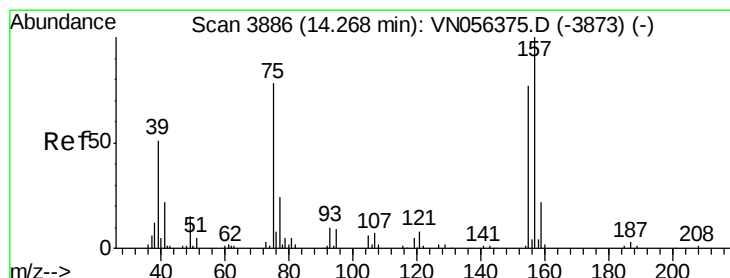
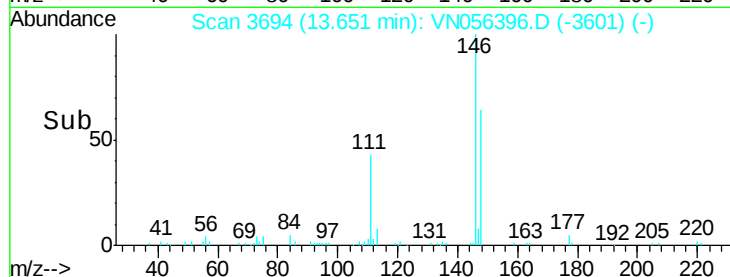
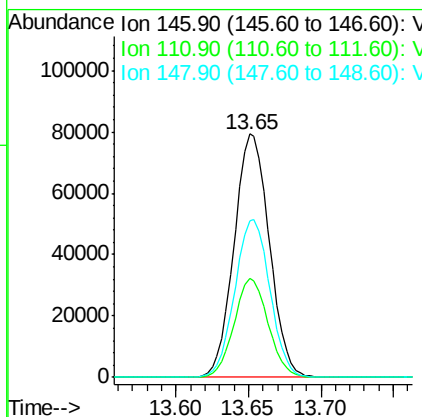
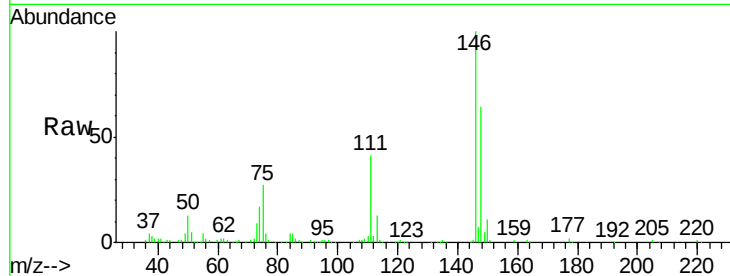
#91
 1,2-Dichlorobenzene
 Concen: 20.509 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.9
148	64.6	32.0	96.0

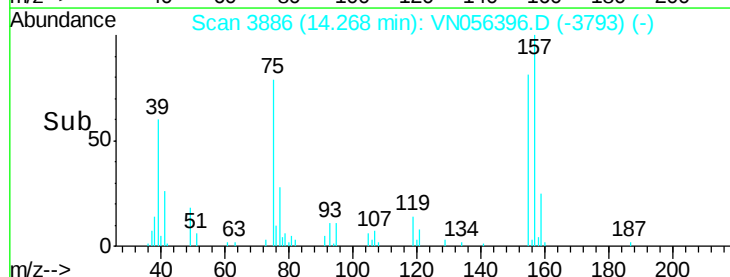
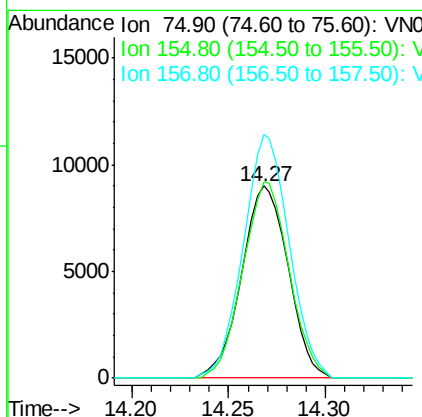
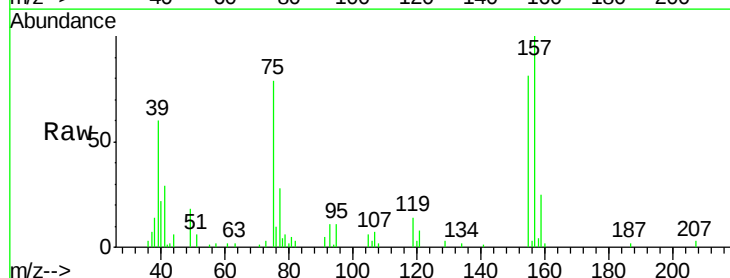
Manual Integrations
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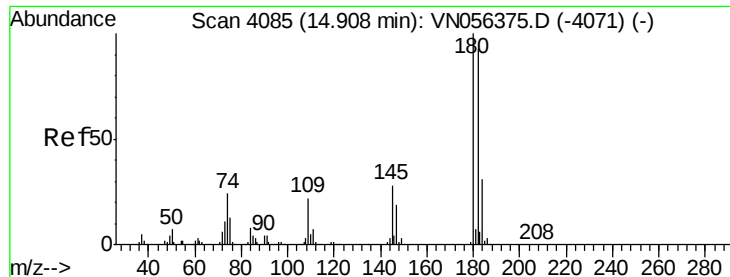
MMDadoda
 6/21/2019 10:50:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.946 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.2	48.9	146.8
157	125.4	62.9	188.8





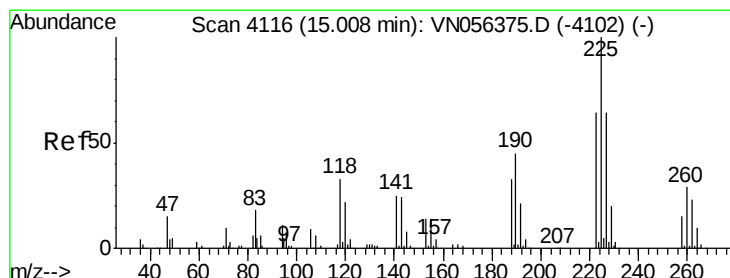
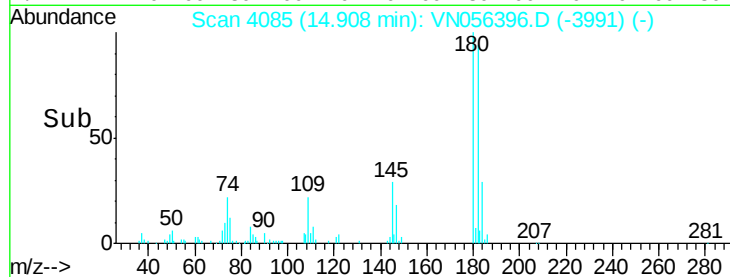
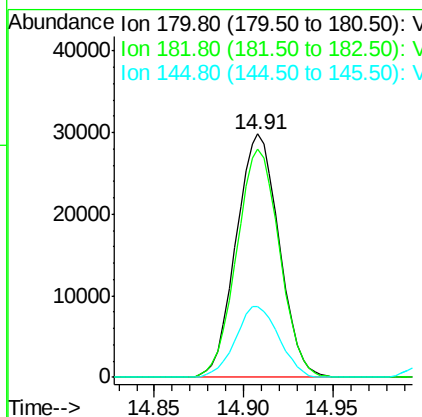
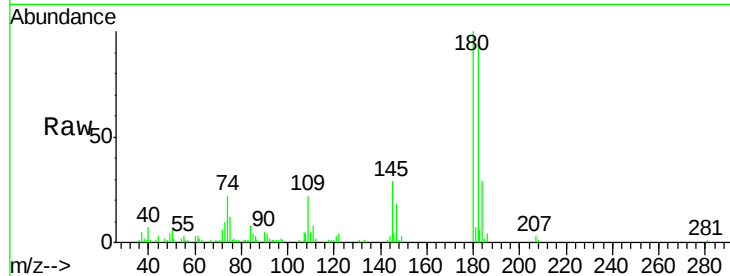
#93
 1,2,4-Trichlorobenzene
 Concen: 18.640 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.9	140.6
145	29.4	14.4	43.0

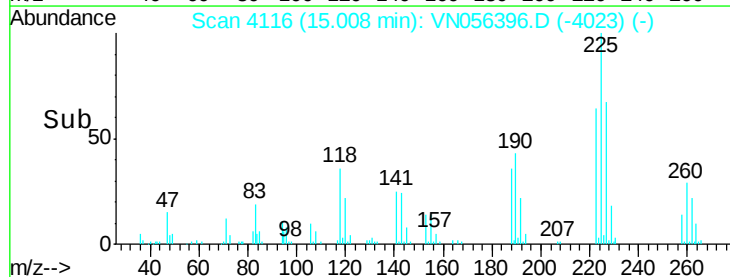
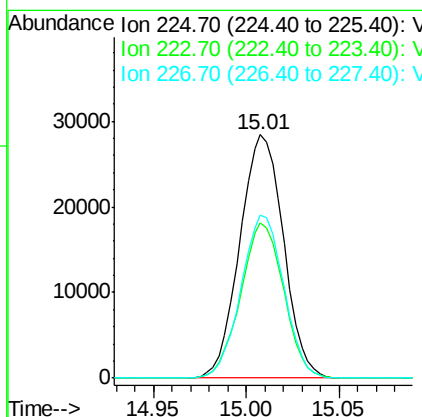
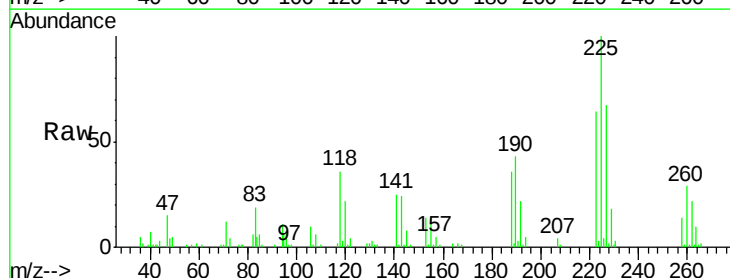
Manual Integrations
 APPROVED

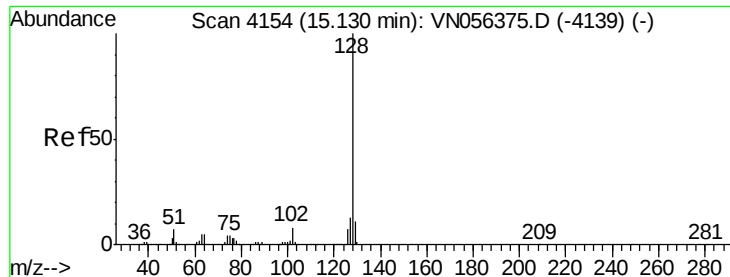
MMDadoda
 6/21/2019 10:50:33 PM



#94
 Hexachlorobutadiene
 Concen: 19.917 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056396.D
 Acq: 20 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.3
227	65.7	32.1	96.3





#95

Naphthalene

Concen: 19.340 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Instrument :

MSVOA_N

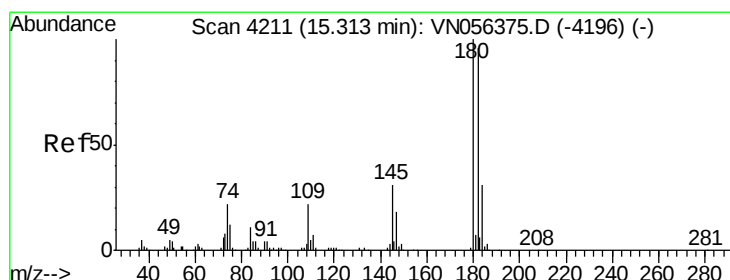
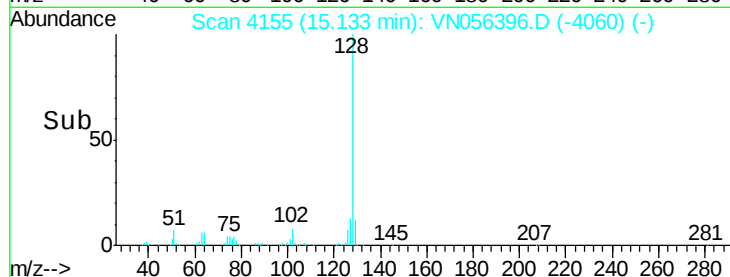
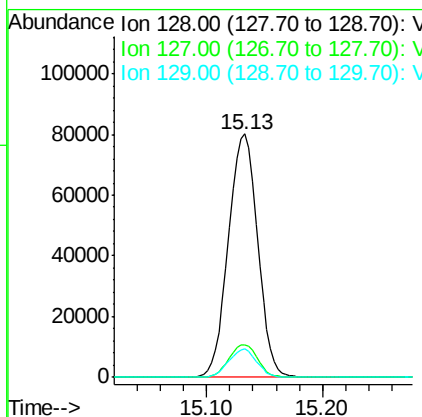
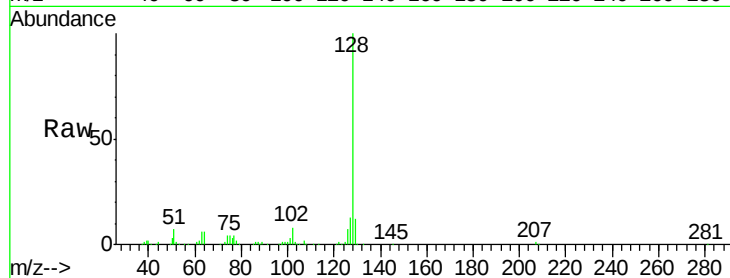
ClientSampleId :

VN0620WBSD01

Tot Ion:	128	Resp:	140051
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/21/2019 10:50:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.295 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056396.D

Acq: 20 Jun 2019 12:42

Tgt Ion:	180	Resp:	57379
Ion Ratio	Lower	Upper	
180	100		
182	97.6	48.3	144.8
145	30.1	15.4	46.1

