

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053621.D
 Acq On : 5 Feb 2019 15:49
 Operator : JC/SP
 Sample : VN0205WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 12:47:04 PM

Quant Time: Feb 06 04:42:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	694495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1102785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	962020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	452937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	362220	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	7.59	113	346956	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.09	98	1271653	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	423636	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152805	19.722	ug/l	98
3) Chloromethane	2.06	50	167978	20.373	ug/l	100
4) Vinyl Chloride	2.19	62	170349	21.284	ug/l	99
5) Bromomethane	2.57	94	110075	21.034	ug/l	96
6) Chloroethane	2.71	64	97103	21.230	ug/l	98
7) Trichlorofluoromethane	3.02	101	220737	20.337	ug/l	99
8) Diethyl Ether	3.41	74	83325	21.021	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135537	20.192	ug/l	99
10) Methyl Iodide	3.96	142	211019	20.029	ug/l	99
11) Tert butyl alcohol	4.78	59	46932	113.821	ug/l	100
12) 1,1-Dichloroethene	3.74	96	133559	20.767	ug/l	99
13) Acrolein	3.61	56	28732	127.984	ug/l	96
14) Allyl chloride	4.33	41	214594	20.957	ug/l	99
15) Acrylonitrile	4.99	53	250563	112.563	ug/l	99
16) Acetone	3.82	43	164123	91.838	ug/l	99
17) Carbon Disulfide	4.06	76	380624	19.007	ug/l	99
18) Methyl Acetate	4.33	43	117920	22.281	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	364441	22.354	ug/l	99
20) Methylene Chloride	4.55	84	158886	21.192	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	140839	20.299	ug/l	96
22) Diisopropyl ether	5.95	45	406999	21.451	ug/l	93
23) Vinyl Acetate	5.90	43	1442127	109.871	ug/l	99
24) 1,1-Dichloroethane	5.85	63	263049	20.786	ug/l	99
25) 2-Butanone	6.84	43	265763	104.271	ug/l	99
26) 2,2-Dichloropropane	6.83	77	182755	18.918	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	164550	21.328	ug/l	97
28) Bromochloromethane	7.20	49	116991	21.303	ug/l	96
29) Tetrahydrofuran	7.21	42	187972	114.852	ug/l	99
30) Chloroform	7.37	83	260773	20.787	ug/l	99
31) Cyclohexane	7.66	56	236986	20.012	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	217300	20.814	ug/l	99
36) 1,1-Dichloropropene	7.80	75	190688	19.182	ug/l	97
37) Ethyl Acetate	6.93	43	121332	21.854	ug/l	98
38) Carbon Tetrachloride	7.78	117	187565	18.730	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	220541	18.700	ug/l	100
40) Benzene	8.04	78	609356	19.878	ug/l	100
41) Methacrylonitrile	7.17	41	71673	23.098	ug/l	94
42) 1,2-Dichloroethane	8.13	62	182491	20.049	ug/l	99
43) Isopropyl Acetate	8.17	43	229544	21.408	ug/l	97
44) Trichloroethene	8.84	130	164594	18.859	ug/l	99
45) 1,2-Dichloropropane	9.12	63	158027	20.154	ug/l	99
46) Dibromomethane	9.21	93	95519	20.209	ug/l	99
47) Bromodichloromethane	9.40	83	197375	20.084	ug/l	99
48) Methyl methacrylate	9.20	41	101679	19.866	ug/l	93
49) 1,4-Dioxane	9.20	88	29656	423.345	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	572678	108.690	ug/l	99
52) Toluene	10.16	92	363139	19.960	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	193469	19.660	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	229715	19.699	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	136334	20.795	ug/l	99
56) Ethyl methacrylate	10.43	69	164668	21.232	ug/l	99
57) 1,3-Dichloropropane	10.71	76	233157	20.809	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	422479	93.031	ug/l	98
59) 2-Hexanone	10.75	43	360645	100.826	ug/l	100
60) Dibromochloromethane	10.90	129	148352	20.067	ug/l	98
61) 1,2-Dibromoethane	11.01	107	128660	19.828	ug/l	100
64) Tetrachloroethene	10.63	164	154637	18.752	ug/l	99
65) Chlorobenzene	11.44	112	396034	19.381	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	141836	19.875	ug/l	99
67) Ethyl Benzene	11.51	91	663957	19.780	ug/l	98
68) m/p-Xylenes	11.62	106	514679	40.173	ug/l	99
69) o-Xylene	11.95	106	252254	20.381	ug/l	100
70) Styrene	11.96	104	405385	20.208	ug/l	100
71) Bromoform	12.13	173	99900	20.419	ug/l #	99
73) Isopropylbenzene	12.25	105	659105	20.700	ug/l	99
74) N-amyl acetate	12.07	43	164151	21.439	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	156512	20.539	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	121475m	20.880	ug/l	
77) Bromobenzene	12.53	156	184901	21.547	ug/l	92
78) n-propylbenzene	12.59	91	754174	20.489	ug/l	100
79) 2-Chlorotoluene	12.68	91	445937	20.421	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	557676	21.121	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39307	18.999	ug/l	95
82) 4-Chlorotoluene	12.77	91	449366	20.053	ug/l	99
83) tert-Butylbenzene	12.99	119	497463	21.317	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	569353	21.165	ug/l	99
85) sec-Butylbenzene	13.17	105	666673	20.993	ug/l	100
86) p-Isopropyltoluene	13.29	119	576776	20.767	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	301621	19.552	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	301021	19.727	ug/l	100
89) n-Butylbenzene	13.62	91	479120	19.930	ug/l	100
90) Hexachloroethane	13.88	117	94205	20.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	300094	20.320	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22816	21.009	ug/l	98

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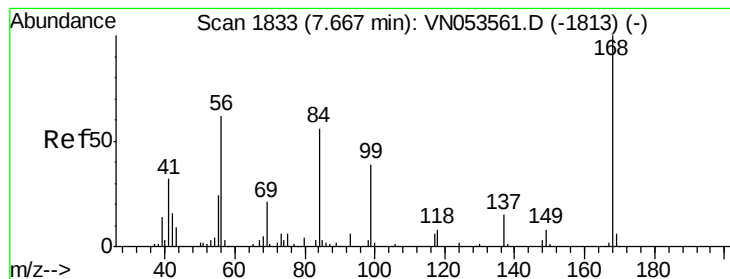
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	166874	19.702	ug/l	99
94) Hexachlorobutadiene	15.01	225	105225	19.949	ug/l	99
95) Naphthalene	15.13	128	378073	20.078	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	158834	20.210	ug/l	100

(#) = 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: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

Tot Ion:168 Resp: 694495

Ion Ratio Lower Upper

168 100

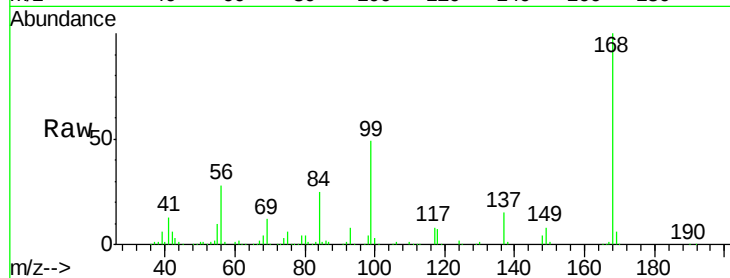
99 47.8 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

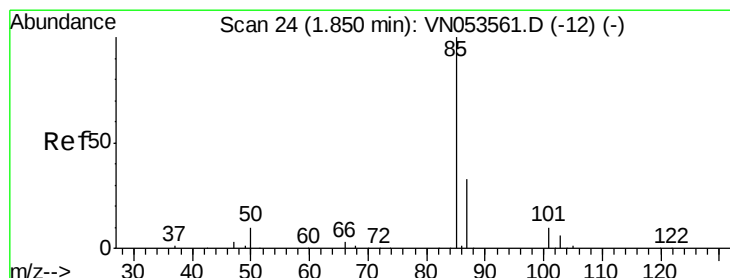
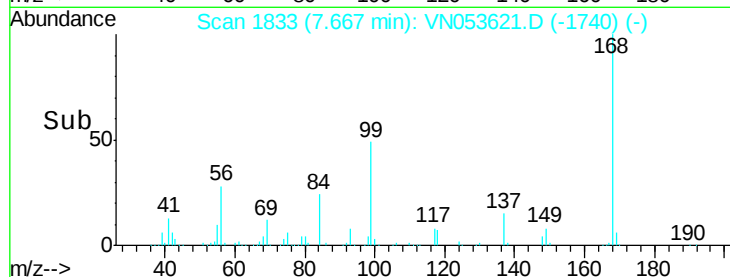
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 19.722 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053621.D

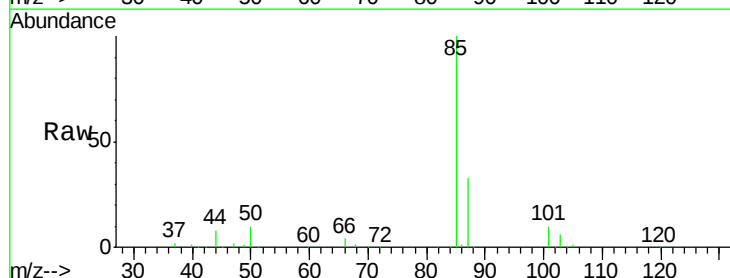
Acq: 5 Feb 2019 15:49

Tgt Ion: 85 Resp: 152805

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

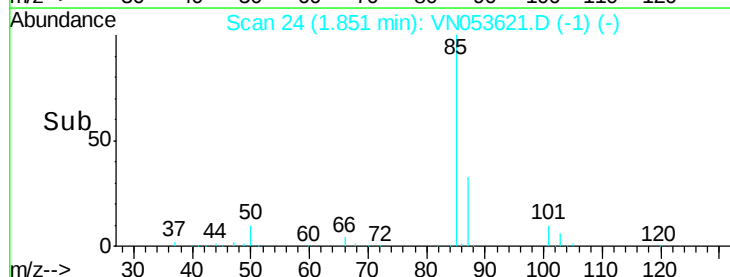
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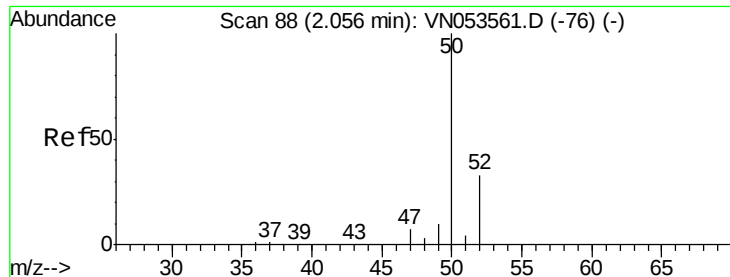
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 20.373 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

Tot Ion: 50 Resp: 167978

Ion Ratio Lower Upper

50 100

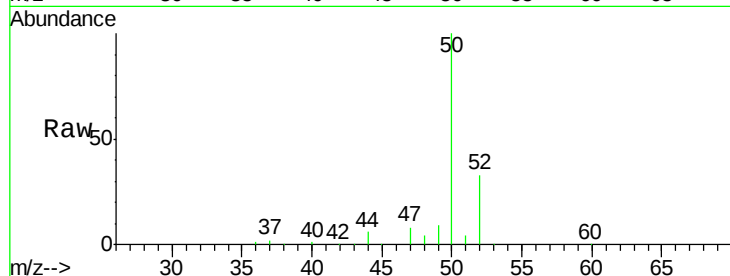
52 33.0 26.6 40.0

Manual Integrations

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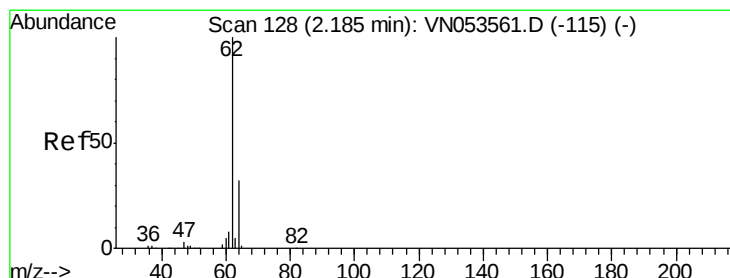
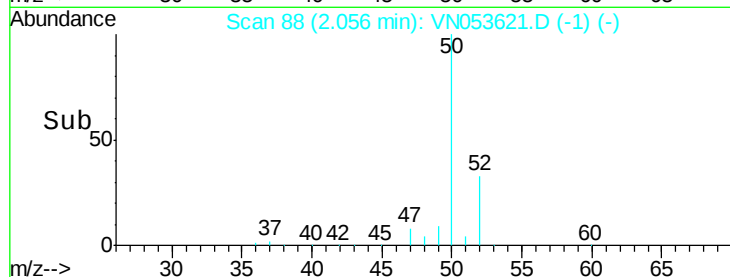
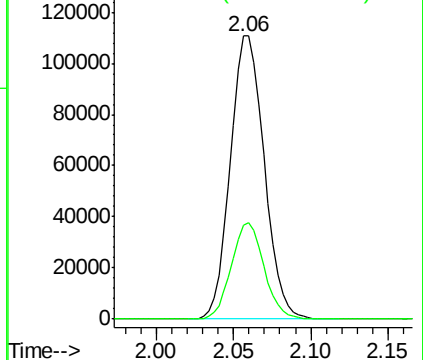
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 21.284 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053621.D

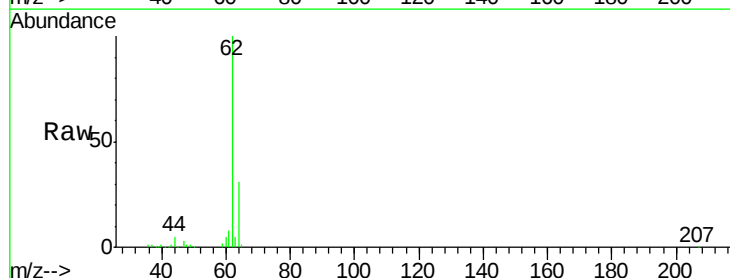
Acq: 5 Feb 2019 15:49

Tgt Ion: 62 Resp: 170349

Ion Ratio Lower Upper

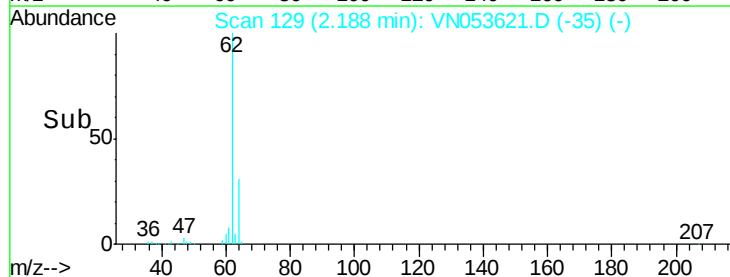
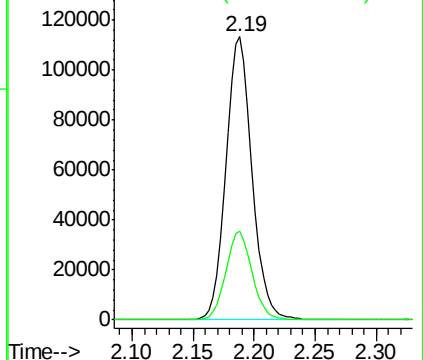
62 100

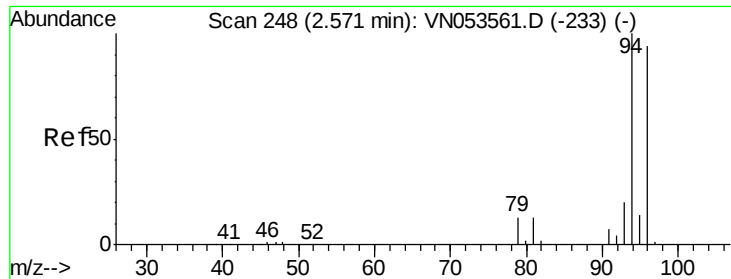
64 31.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.034 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

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ClientSampleId :

VN0205WBSD01

Tot Ion: 94 Resp: 110075

Ion Ratio Lower Upper

94 100

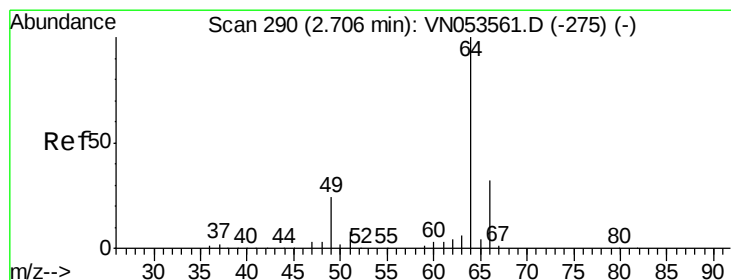
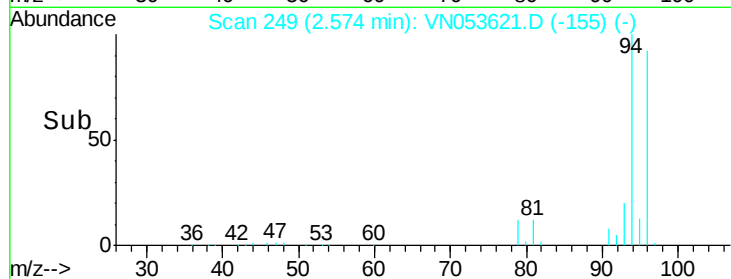
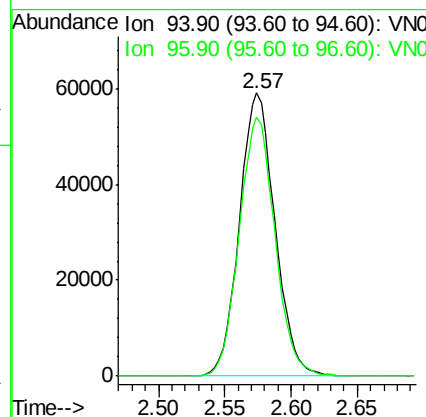
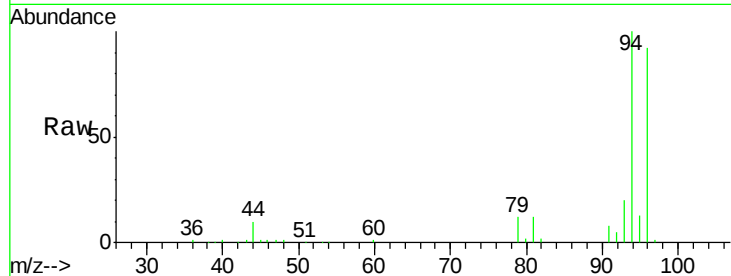
96 91.7 76.8 115.2

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#6

Chloroethane

Concen: 21.230 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053621.D

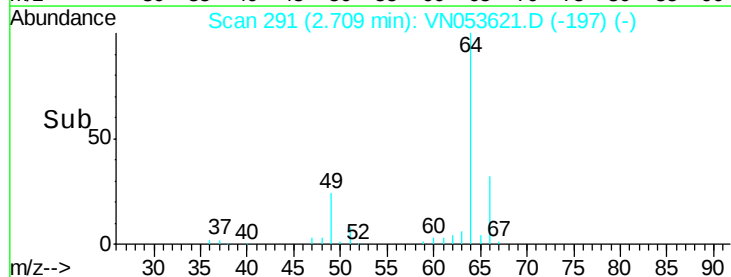
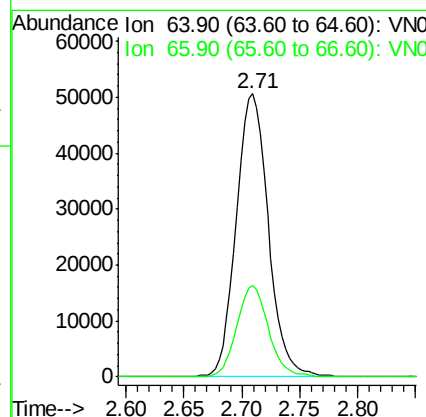
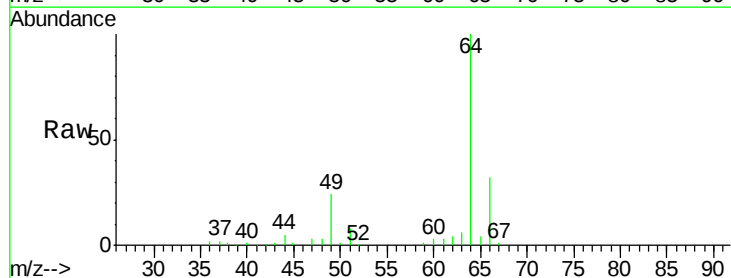
Acq: 5 Feb 2019 15:49

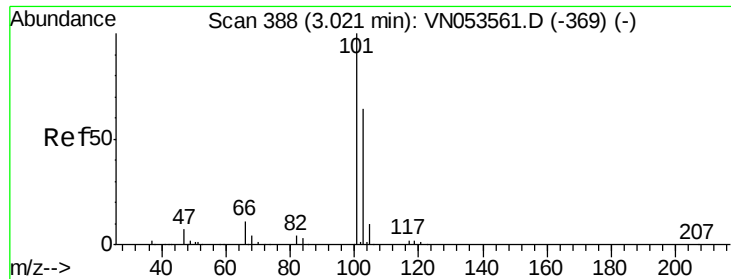
Tgt Ion: 64 Resp: 97103

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7





#7

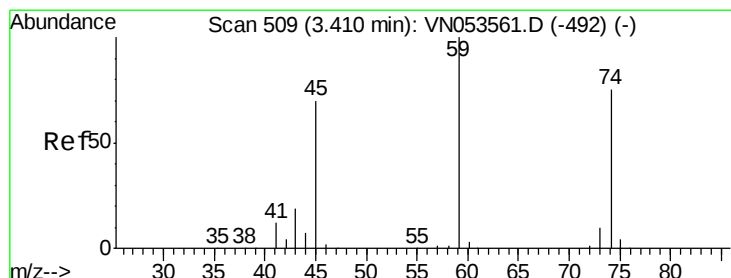
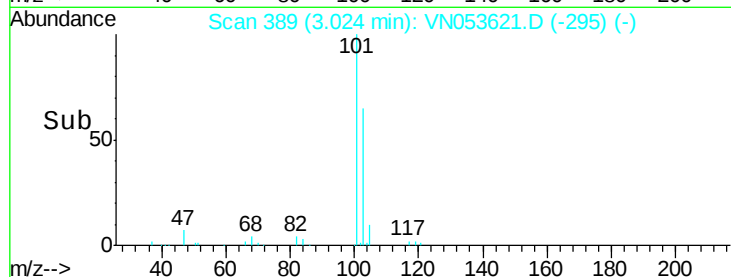
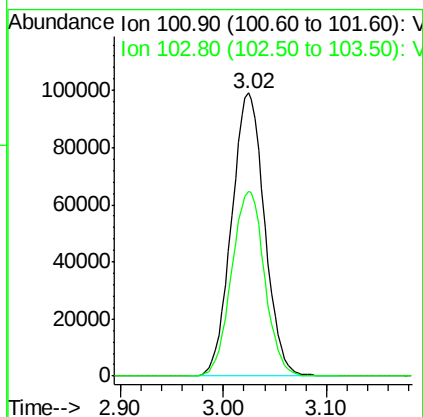
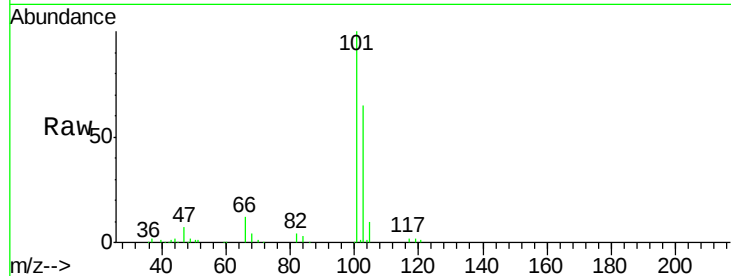
Trichlorofluoromethane
Concen: 20.337 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.6	77.4

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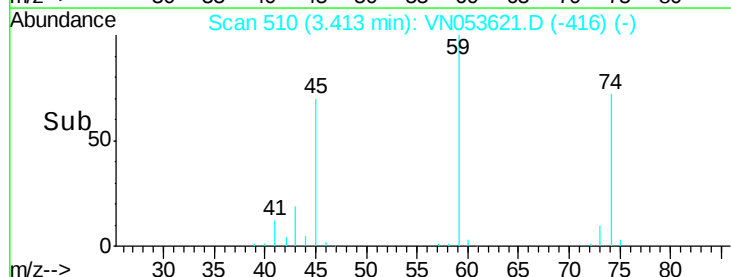
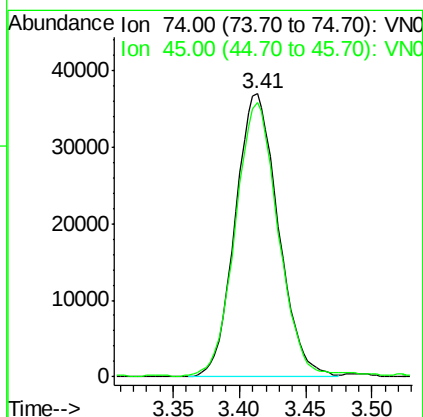
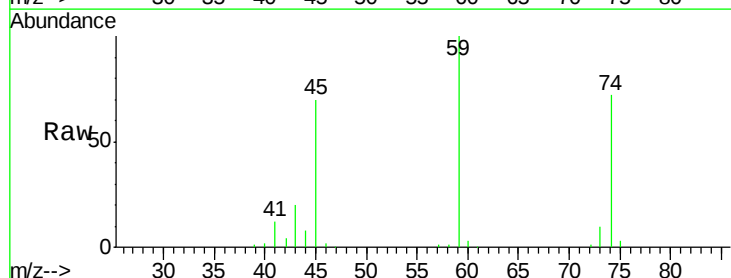
MMDadoda
2/6/2019 12:47:04 PM

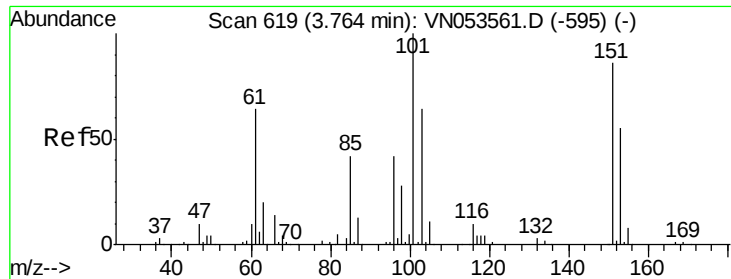


#8

Diethyl Ether
Concen: 21.021 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.192 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

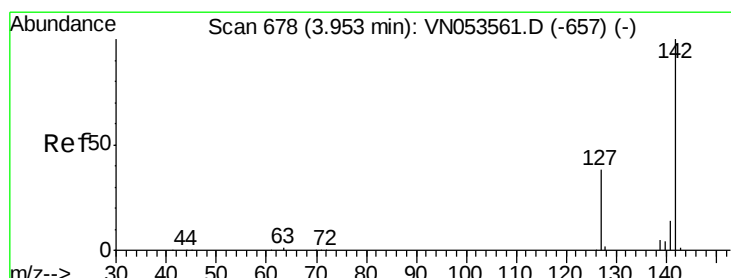
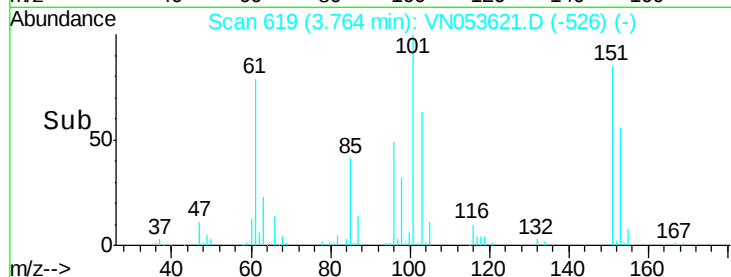
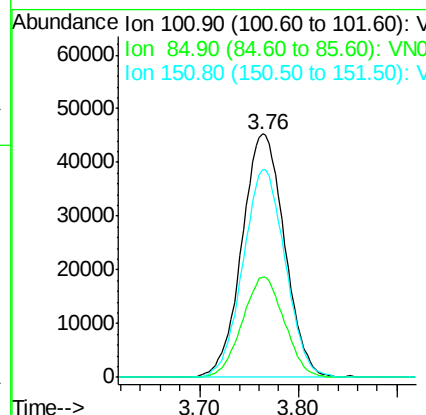
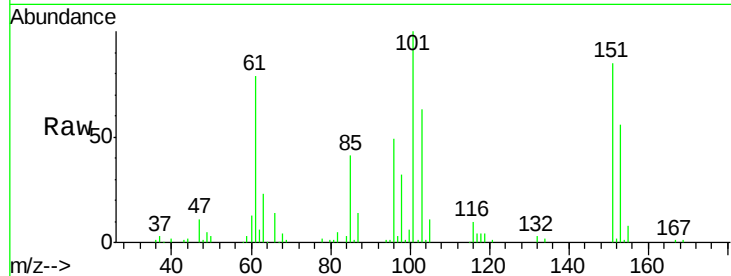
ClientSampleId :

VN0205WBSD01

Tot Ion:	101	Resp:	135537
Ion Ratio	Lower	Upper	
101	100		
85	40.6	32.8	49.2
151	84.8	66.9	100.3

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#10

Methyl Iodide

Concen: 20.029 ug/l

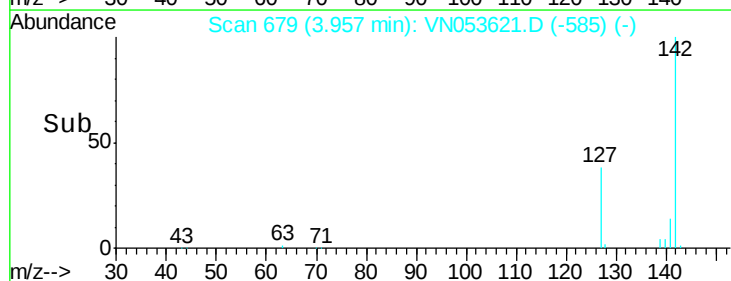
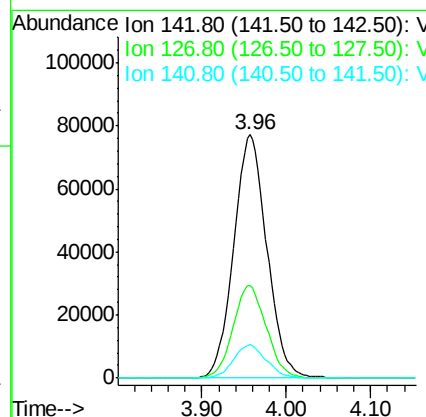
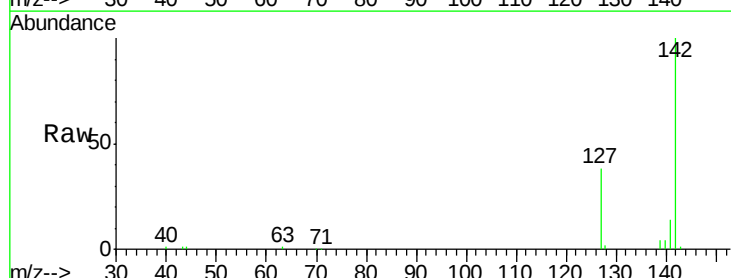
RT: 3.96 min Scan# 679

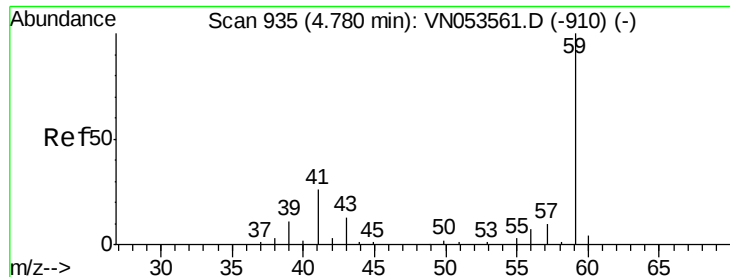
Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Tgt Ion:	142	Resp:	211019
Ion Ratio	Lower	Upper	
142	100		
127	38.1	31.0	46.4
141	13.6	11.1	16.7





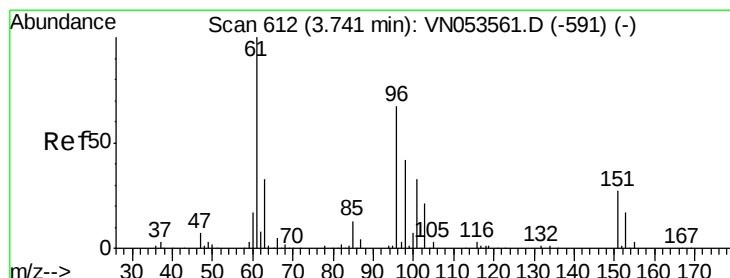
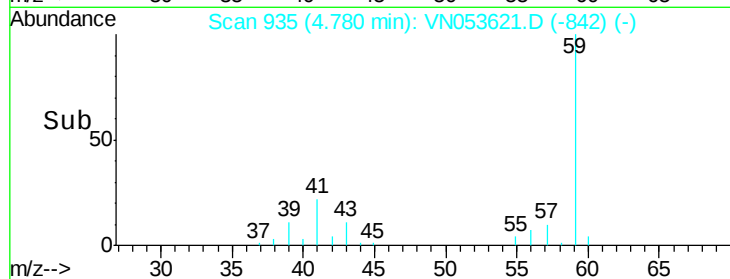
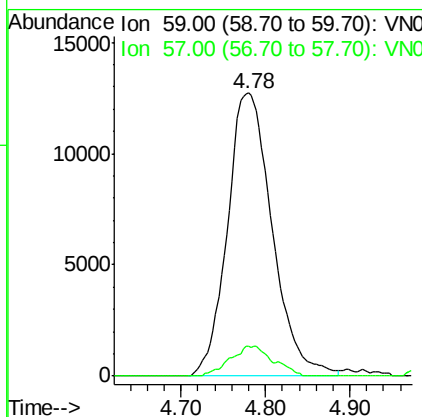
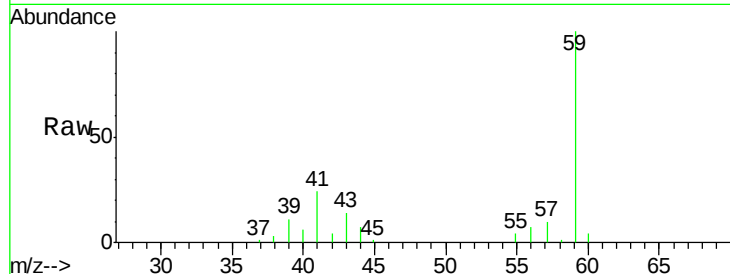
#11
Tert butyl alcohol
Concen: 113.821 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion: 59 Resp: 46932
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

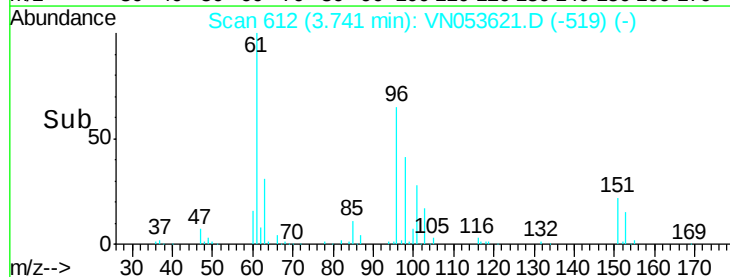
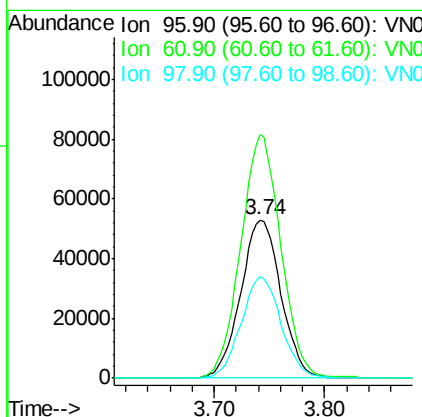
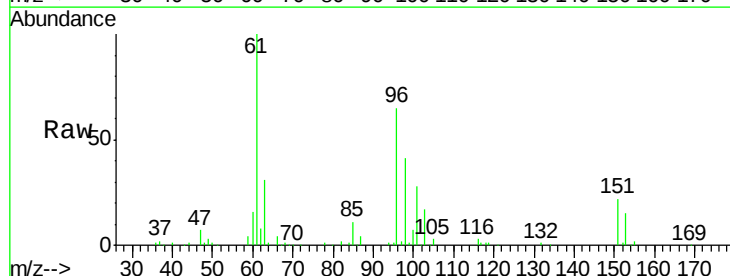
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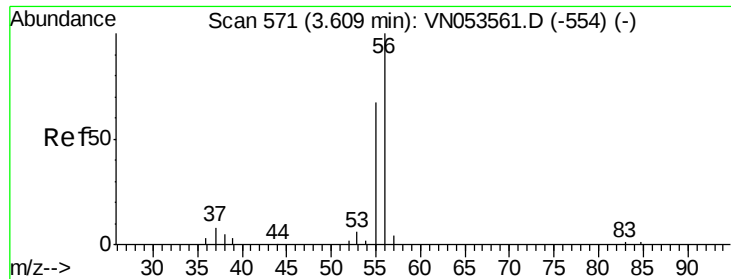
MMDadoda
2/6/2019 12:47:04 PM



#12
1,1-Dichloroethene
Concen: 20.767 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 96 Resp: 133559
Ion Ratio Lower Upper
96 100
61 154.2 122.9 184.3
98 63.9 49.4 74.0





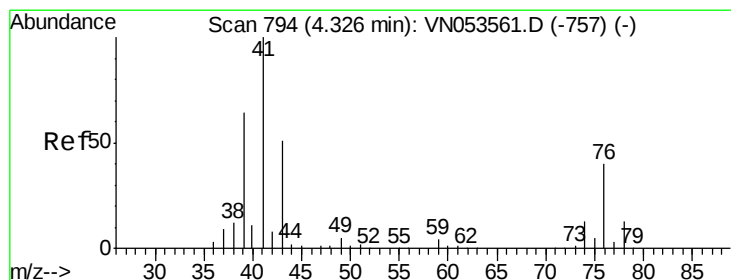
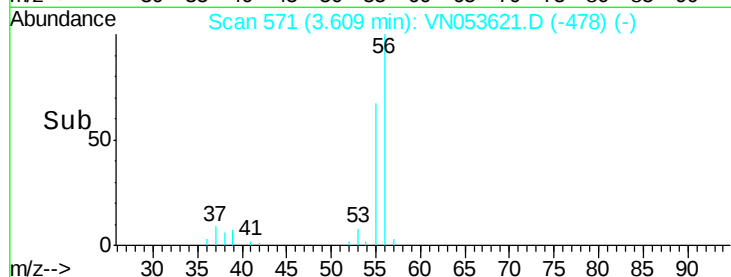
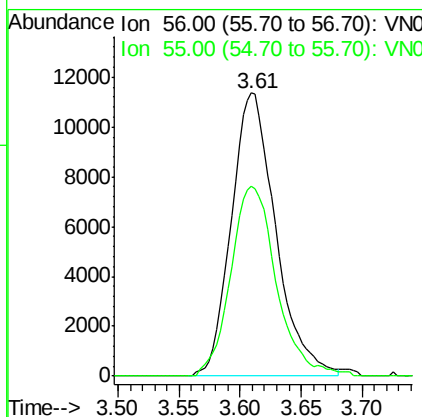
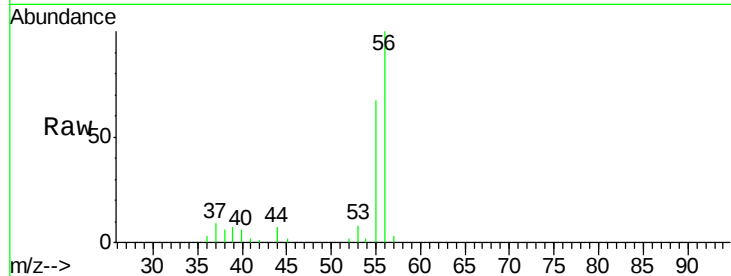
#13
Acrolein
Concen: 127.984 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	68.7	57.4	86.0	

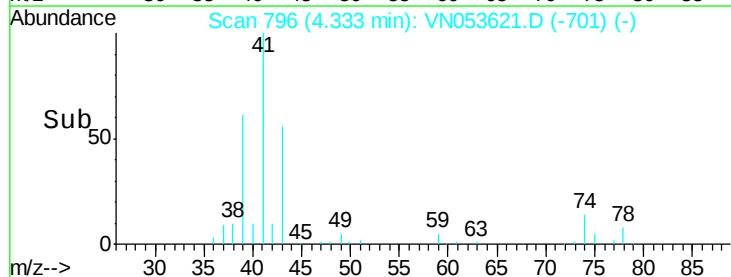
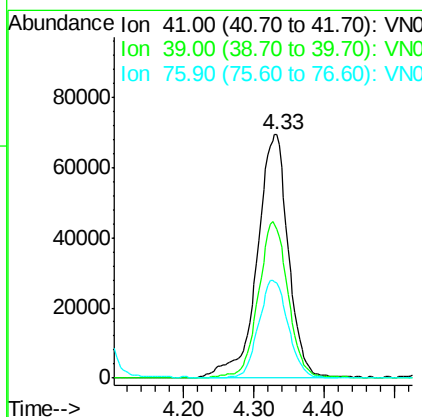
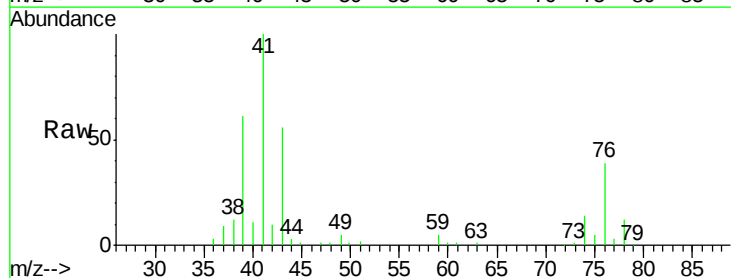
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2/6/2019 12:47:04 PM



#14
Allyl chloride
Concen: 20.957 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.3	48.9	73.3	
76	38.0	29.4	44.2	





#15

Acrylonitrile

Concen: 112.563 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

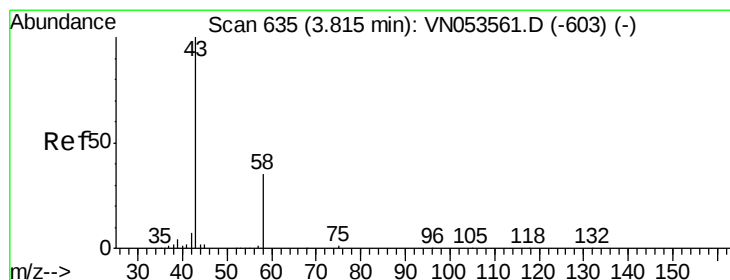
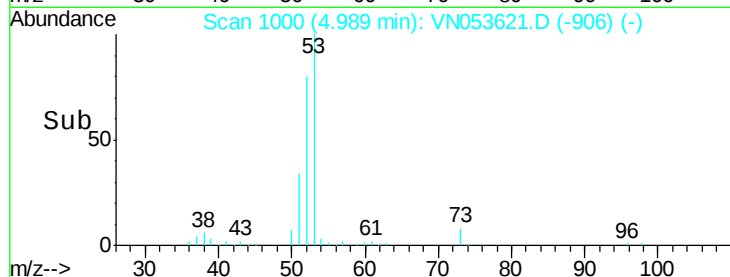
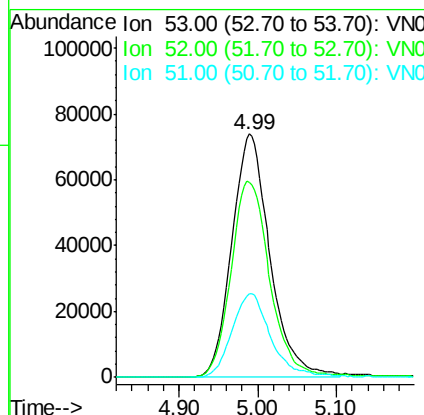
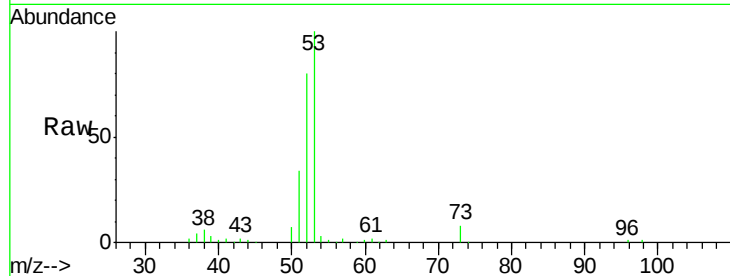
ClientSampled :

VN0205WBSD01

Tot Ion:	53	Resp:	250563
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.0	99.0
51	35.1	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 91.838 ug/l

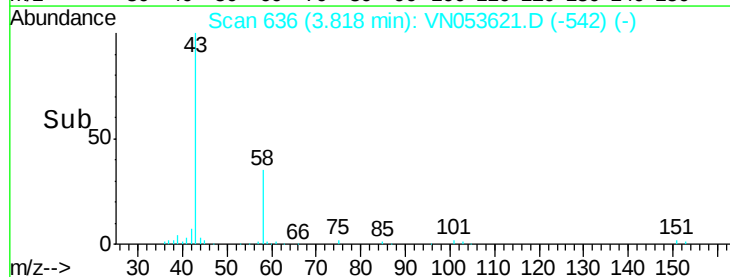
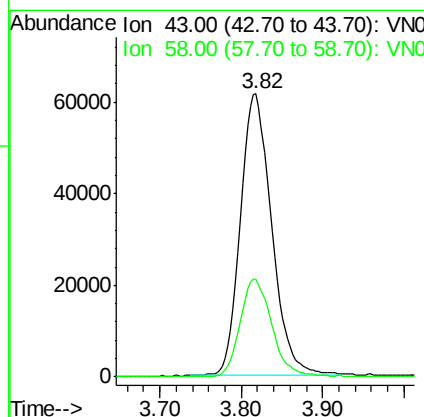
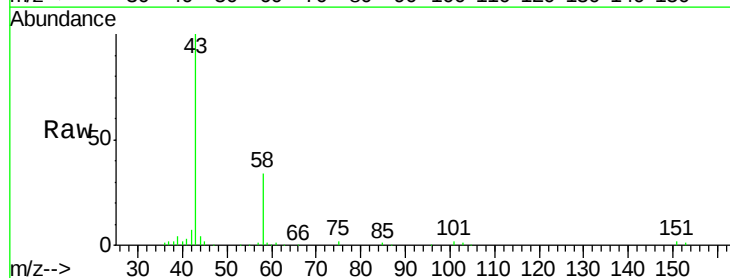
RT: 3.82 min Scan# 636

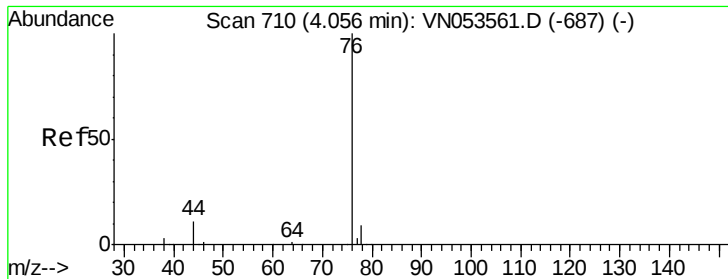
Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Tgt Ion:	43	Resp:	164123
Ion Ratio	Lower	Upper	
43	100		
58	34.6	27.1	40.7





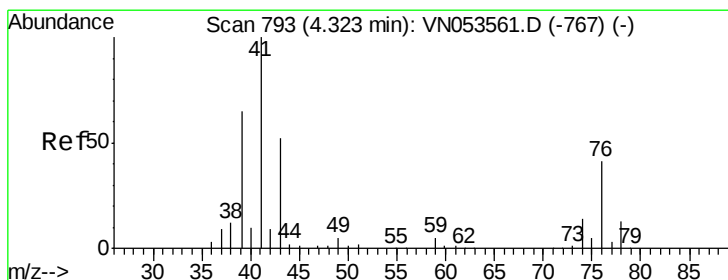
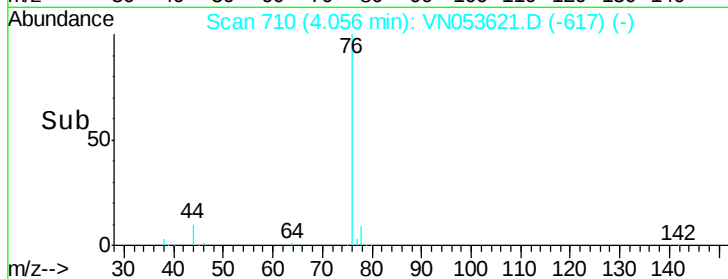
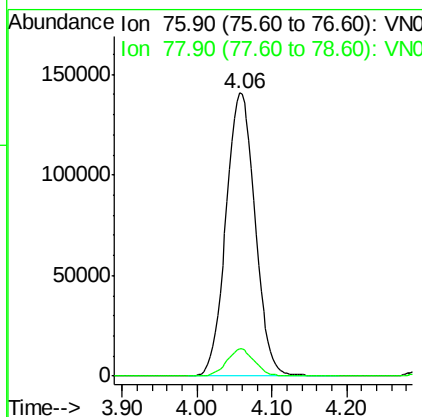
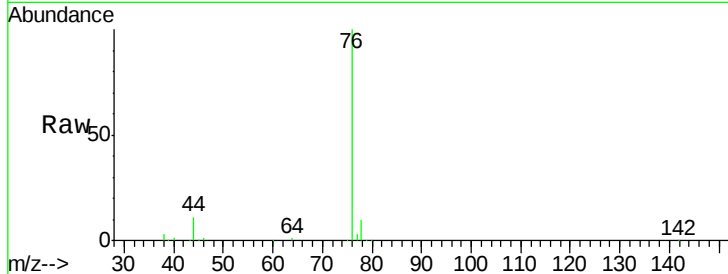
#17
Carbon Disulfide
Concen: 19.007 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

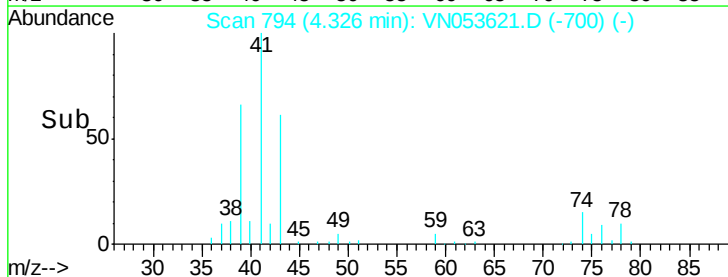
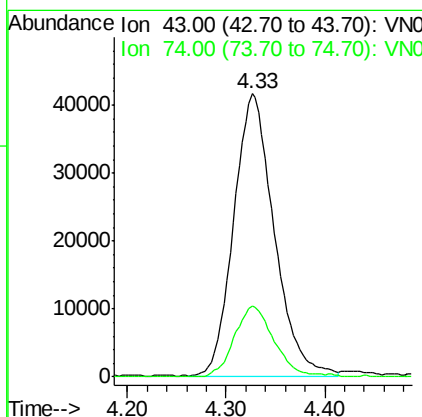
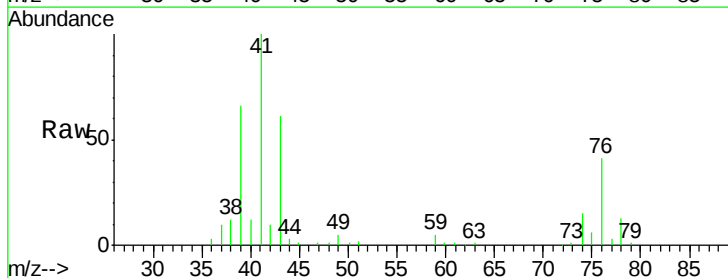
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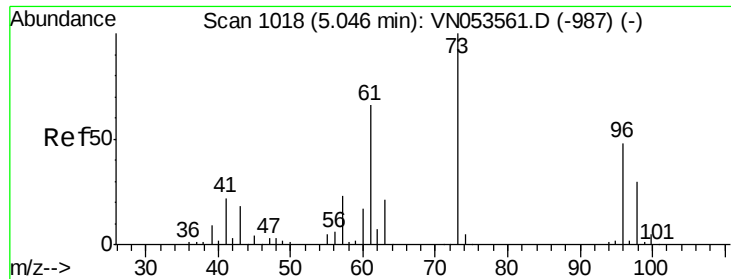
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2/6/2019 12:47:04 PM



#18
Methyl Acetate
Concen: 22.281 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.4	29.2





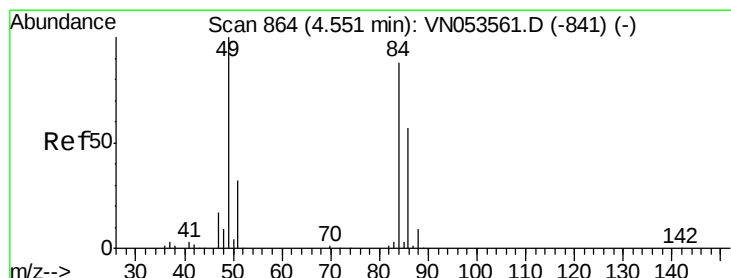
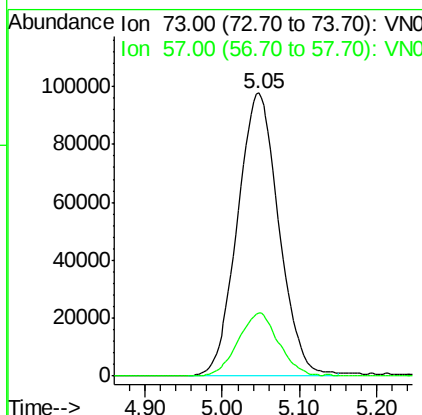
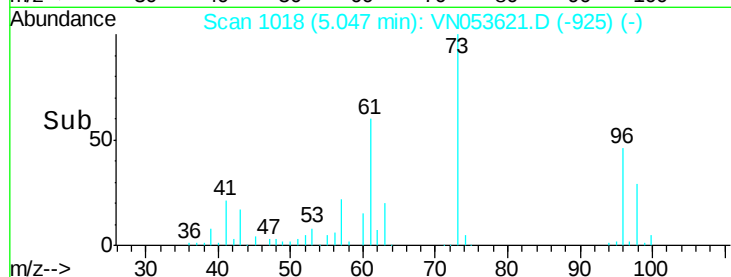
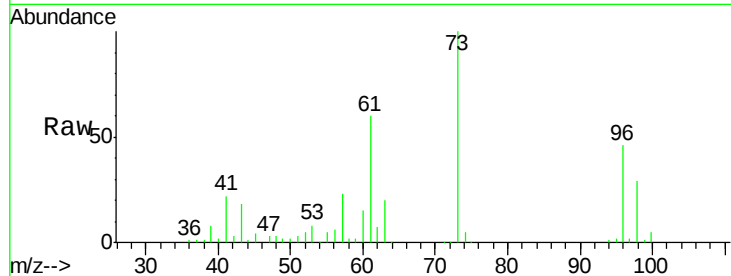
#19
Methvl tert-butvl Ether
Concen: 22.354 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion: 73 Resp: 364441
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5

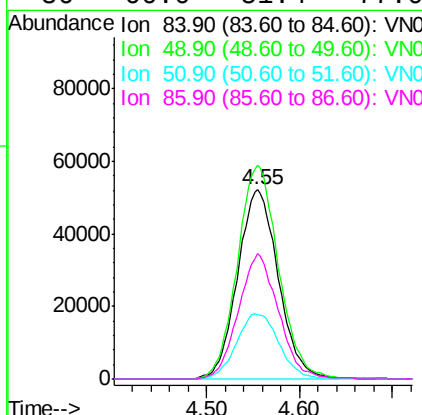
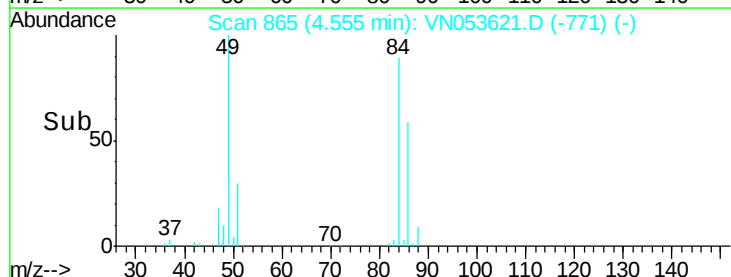
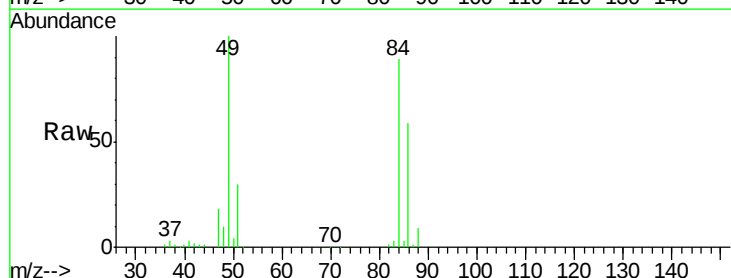
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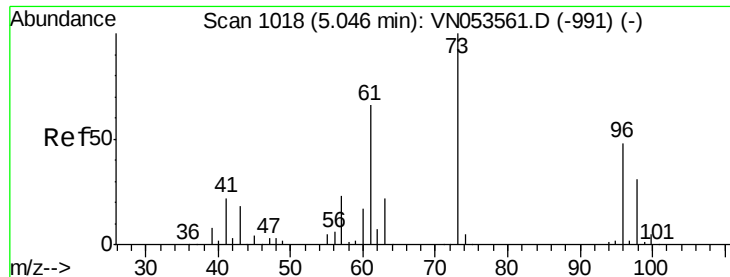
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2/6/2019 12:47:04 PM



#20
Methylene Chloride
Concen: 21.192 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 84 Resp: 158886
Ion Ratio Lower Upper
84 100
49 112.8 94.3 141.5
51 34.0 29.4 44.2
86 66.0 51.4 77.0





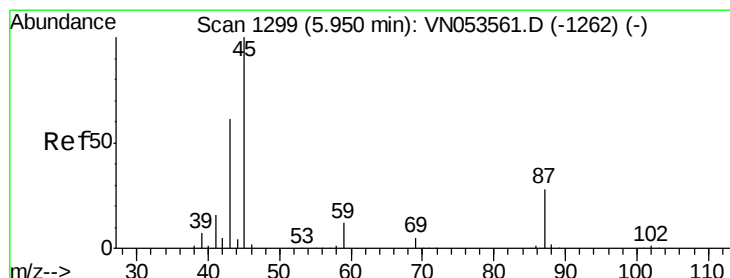
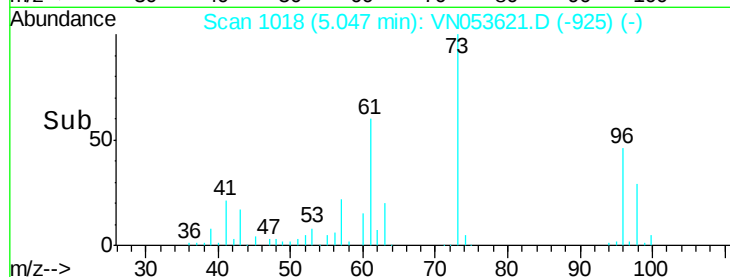
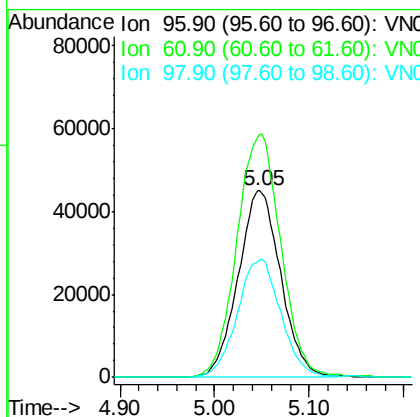
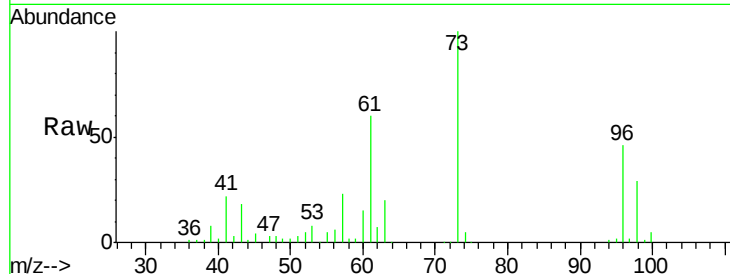
#21
trans-1,2-Dichloroethene
Concen: 20.299 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.9	110.1	165.1
98	62.6	50.0	75.0

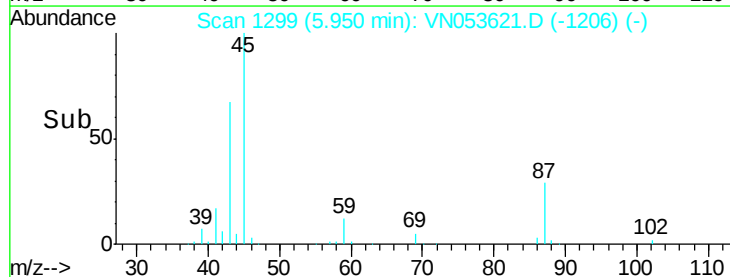
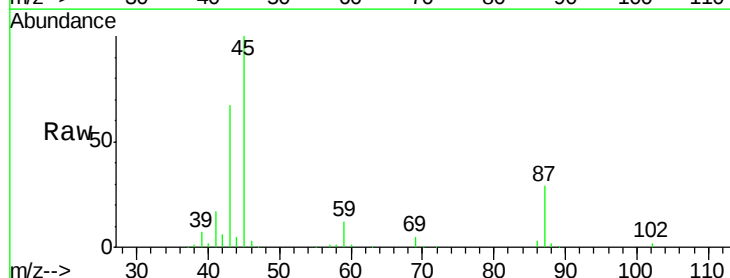
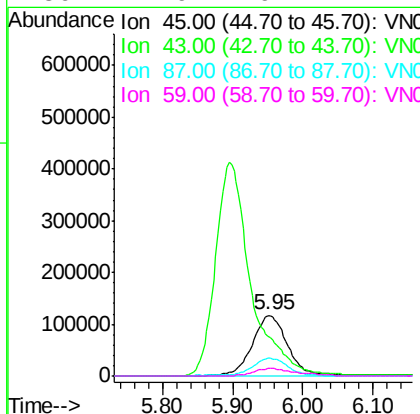
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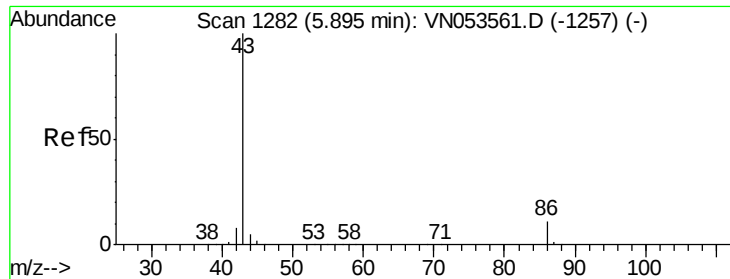
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#22
Diisopropyl ether
Concen: 21.451 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.2	44.2	66.4
87	28.4	22.7	34.1
59	11.9	9.4	14.2





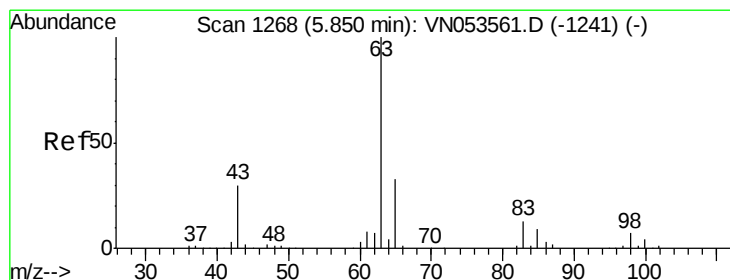
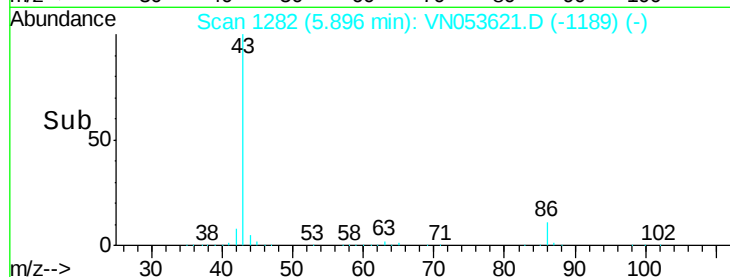
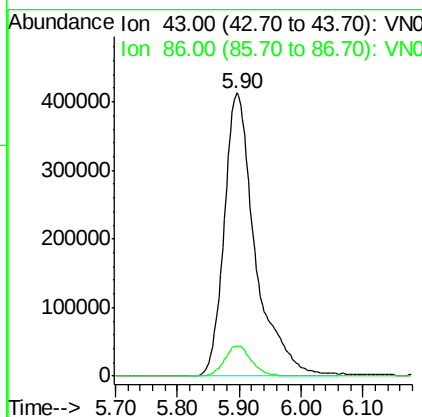
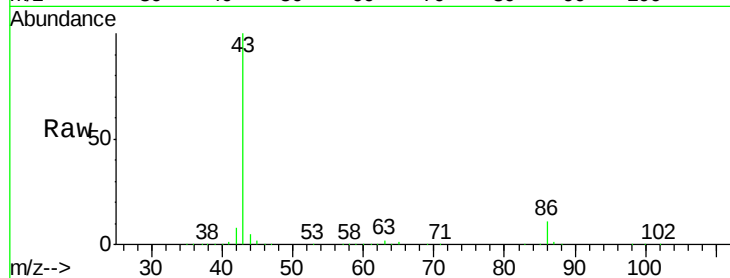
#23
 Vinyl Acetate
 Concen: 109.871 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Tot Ion: 43 Resp: 1442127
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6

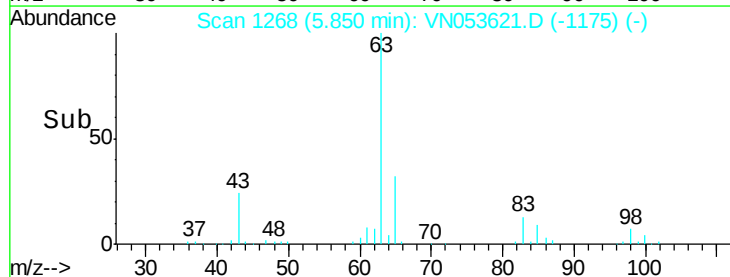
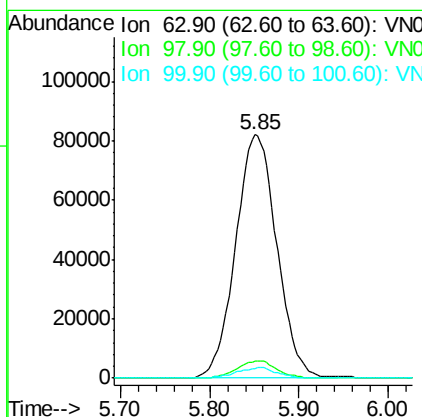
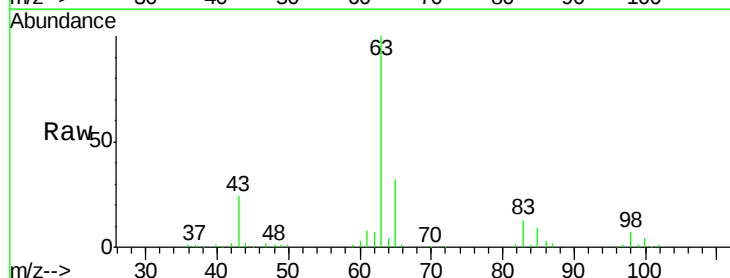
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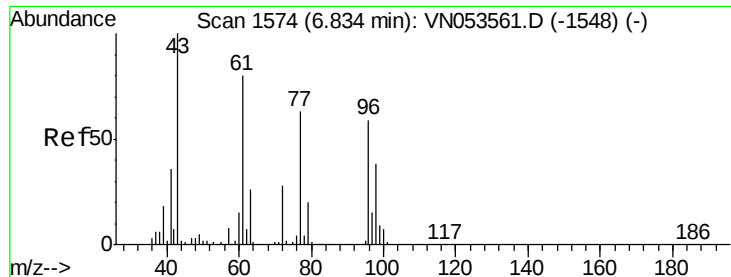
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#24
 1,1-Dichloroethane
 Concen: 20.786 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion: 63 Resp: 263049
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.9
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 104.271 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

Tot Ion: 43 Resp: 265763

Ion Ratio Lower Upper

43 100

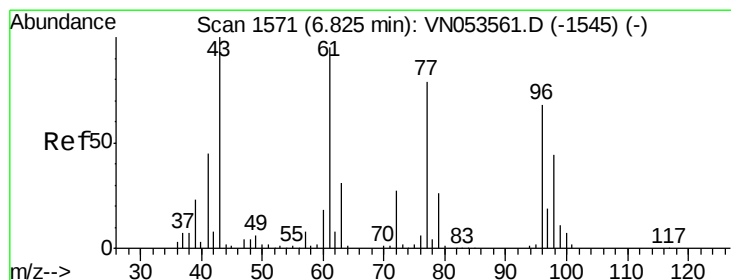
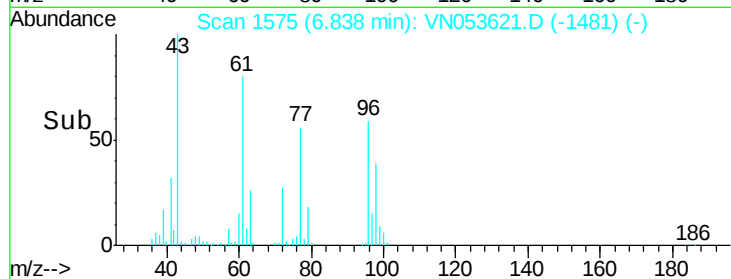
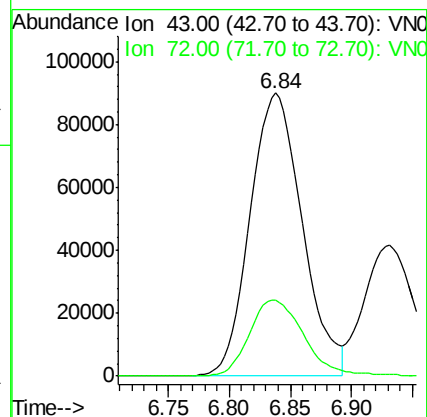
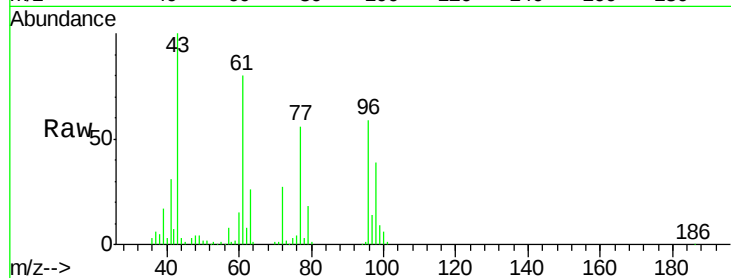
72 26.8 22.0 33.0

Manual Integrations

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2/6/2019 12:47:04 PM



#26

2,2-Dichloropropane

Concen: 18.918 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053621.D

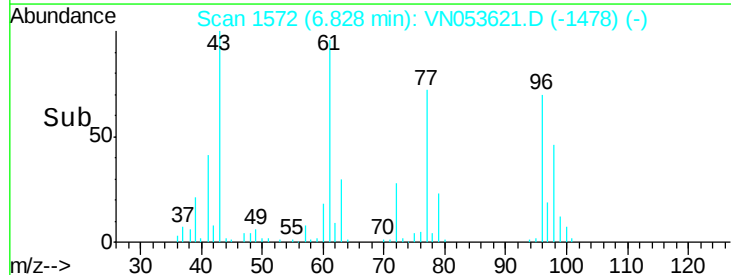
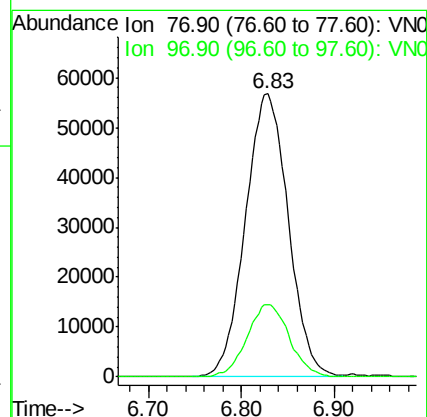
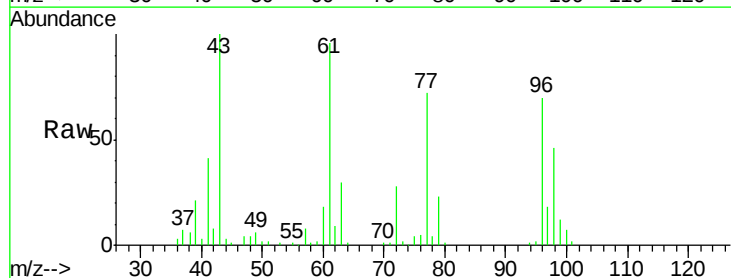
Acq: 5 Feb 2019 15:49

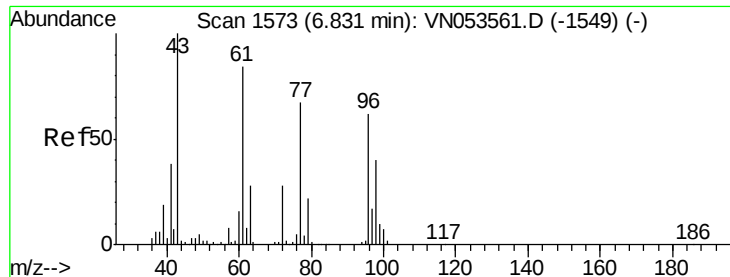
Tgt Ion: 77 Resp: 182755

Ion Ratio Lower Upper

77 100

97 25.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.328 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

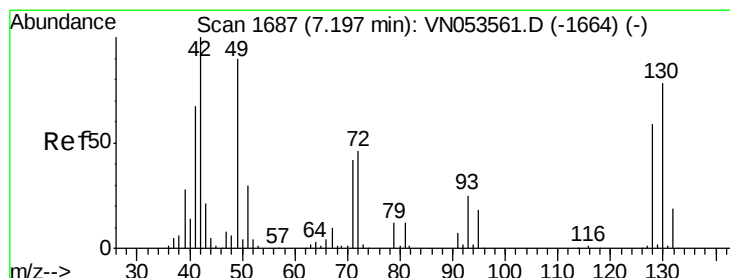
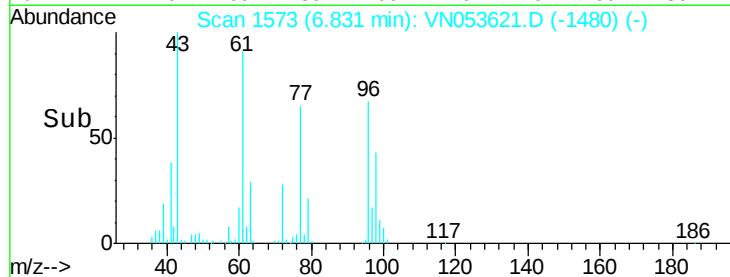
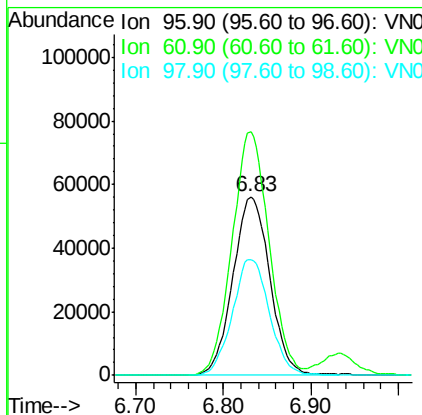
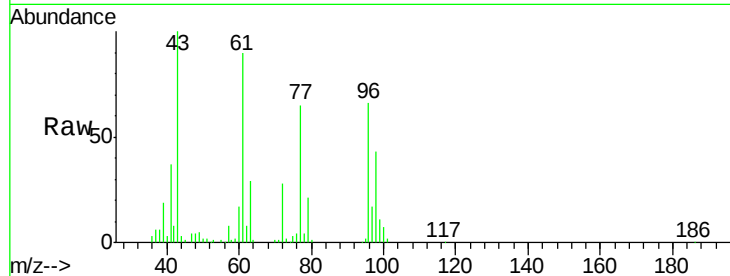
ClientSampleId :

VN0205WBSD01

Tot Ion:	96	Resp:	164550
Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	283.8
98	65.0	0.0	129.2

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#28

Bromochloromethane

Concen: 21.303 ug/l

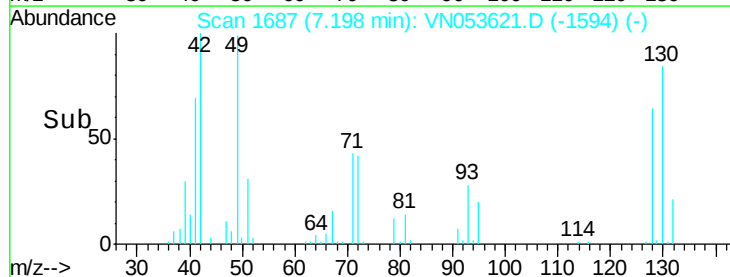
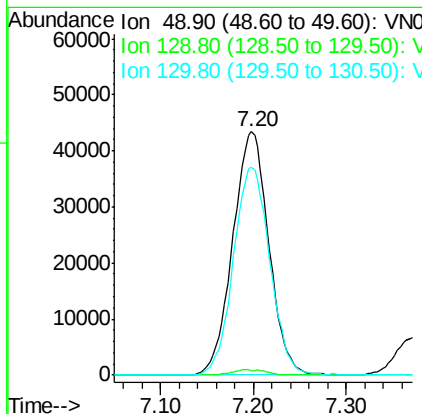
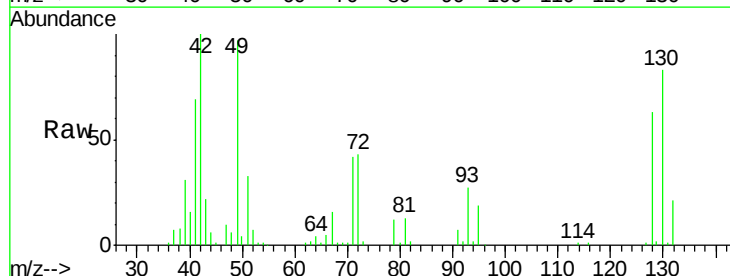
RT: 7.20 min Scan# 1687

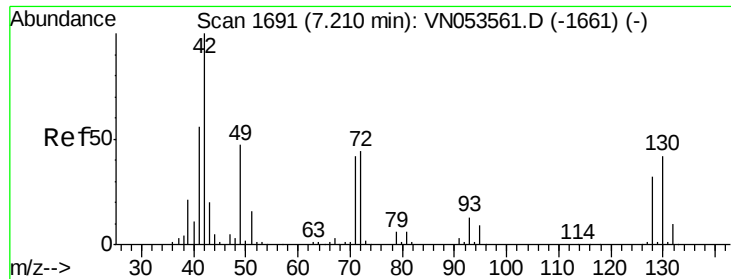
Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Tgt Ion:	49	Resp:	116991
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	86.5	66.3	99.5





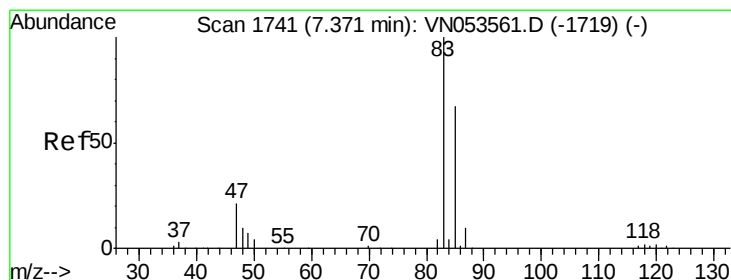
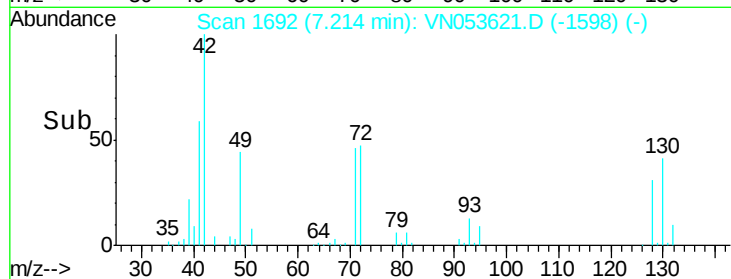
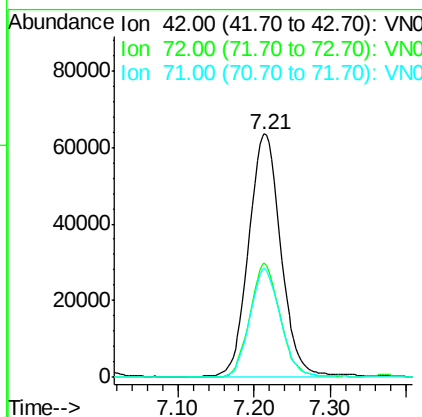
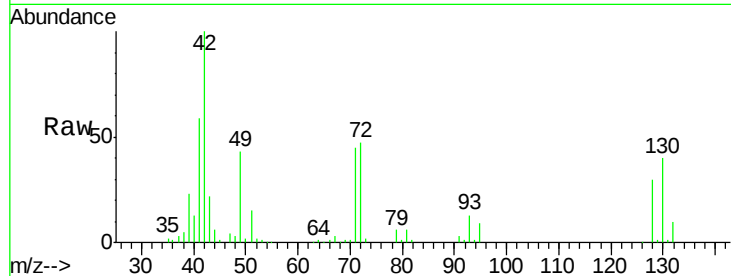
#29
Tetrahydrofuran
Concen: 114.852 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.2	52.8
71	42.2	33.0	49.4

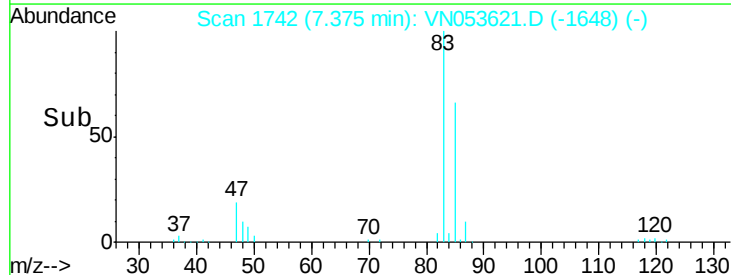
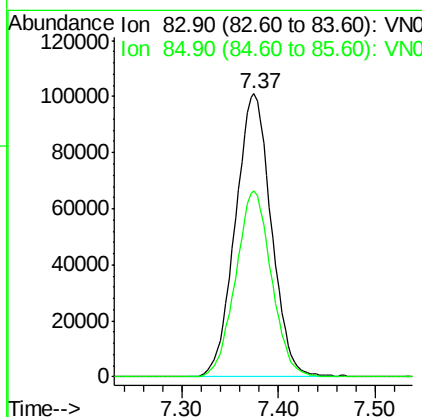
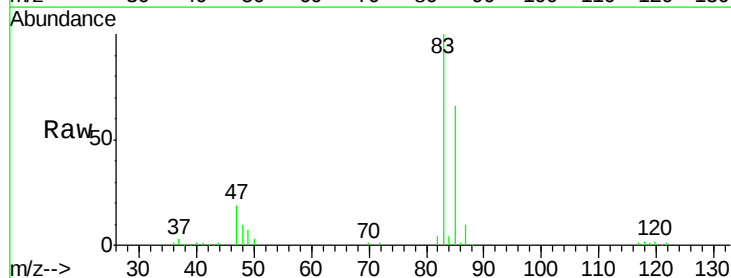
Manual Integrations
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#30
Chloroform
Concen: 20.787 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.2	78.2





#31

Cyclohexane

Concen: 20.012 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

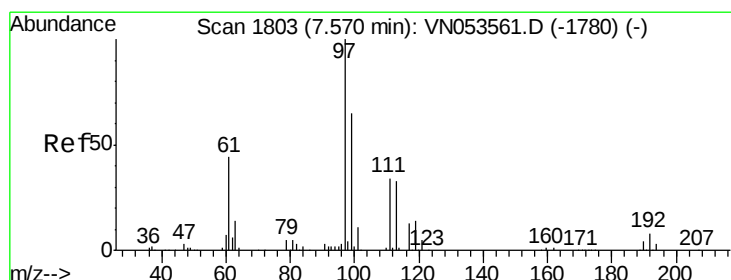
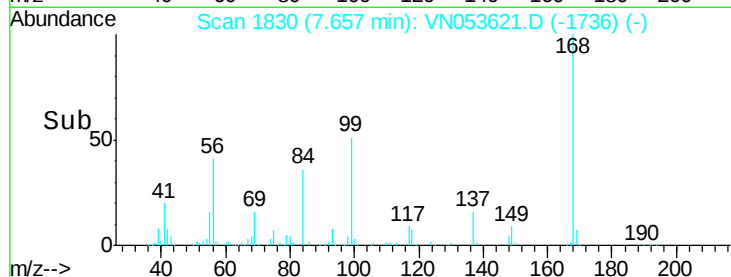
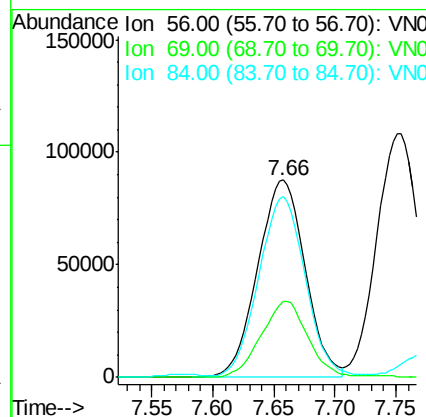
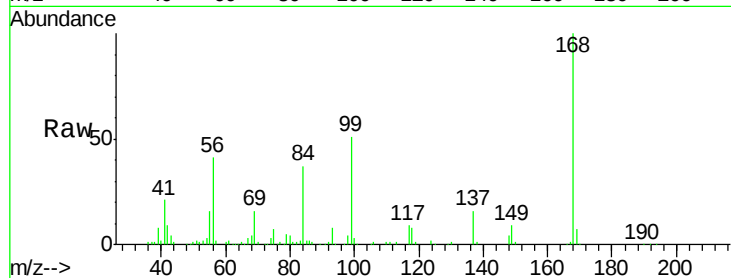
ClientSampleId :

VN0205WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		236986		
69	38.4	26.4	39.6		
84	89.9	67.9	101.9		

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.814 ug/l

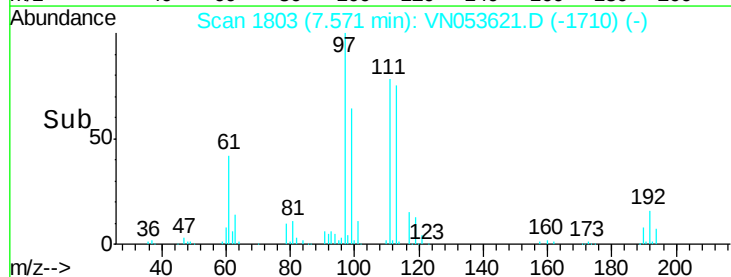
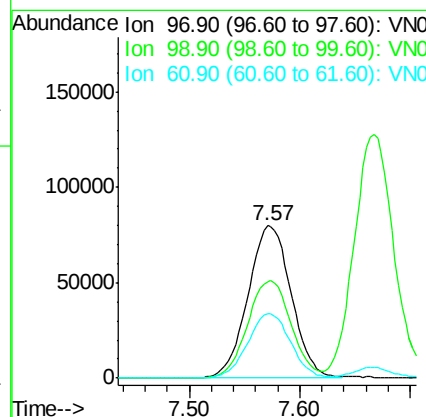
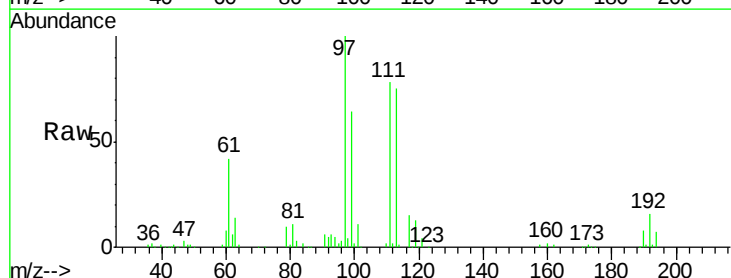
RT: 7.57 min Scan# 1803

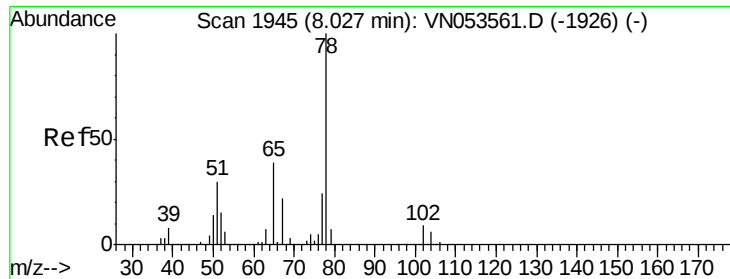
Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		217300		
99	64.3	52.0	78.0		
61	42.2	34.4	51.6		





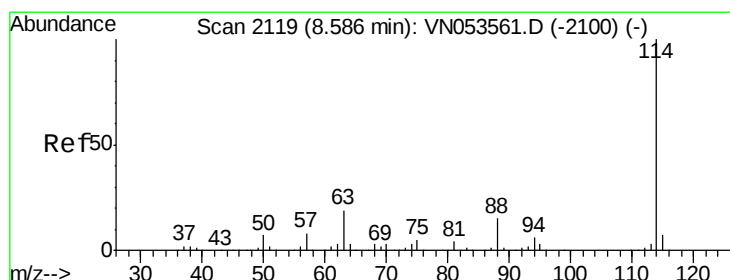
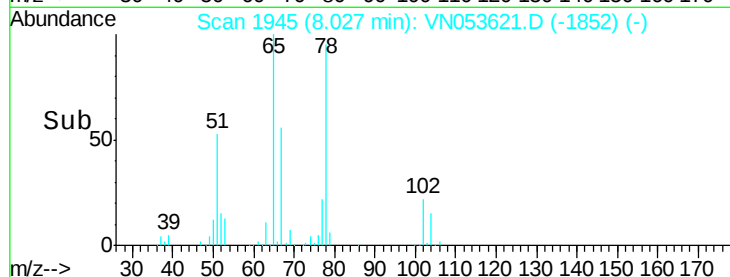
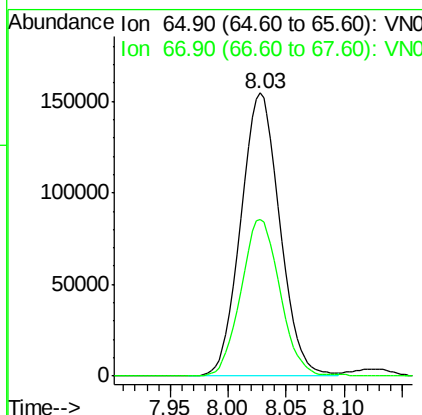
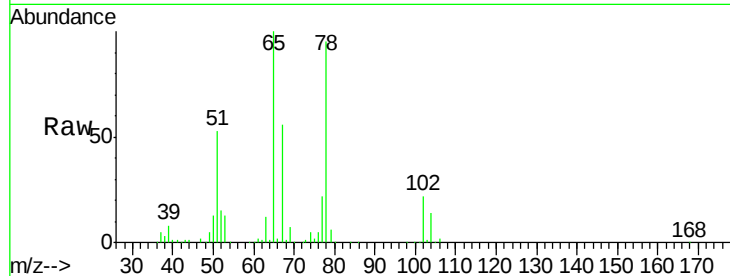
#33
 1,2-Dichloroethane-d4
 Concen: 20.814 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Tot Ion: 65 Resp: 362220
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.2

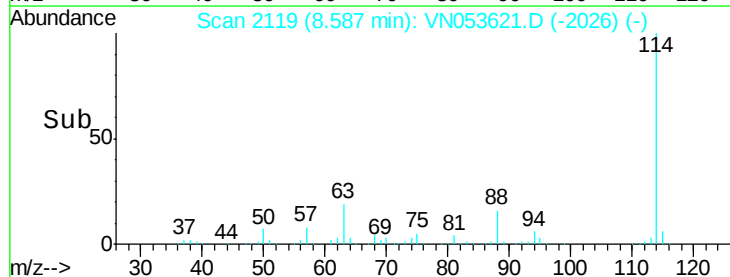
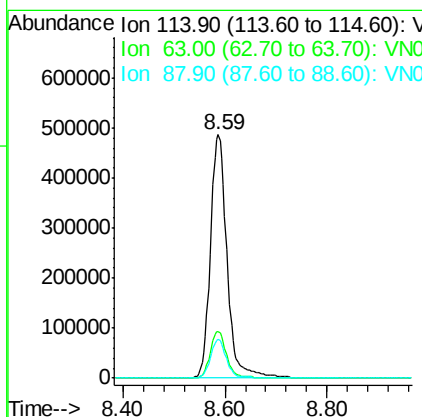
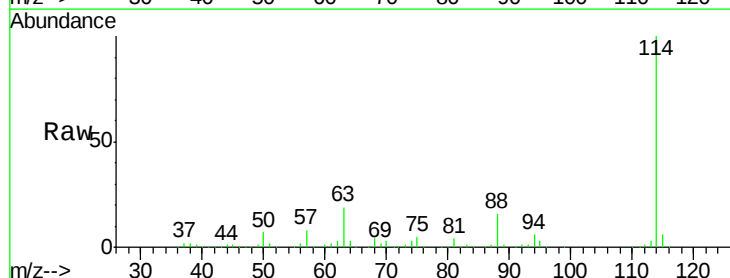
Manual Integrations
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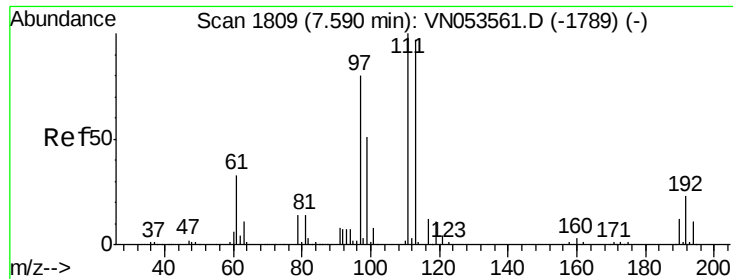
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 2/6/2019 12:47:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion: 114 Resp: 1102785
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.8 0.0 30.4





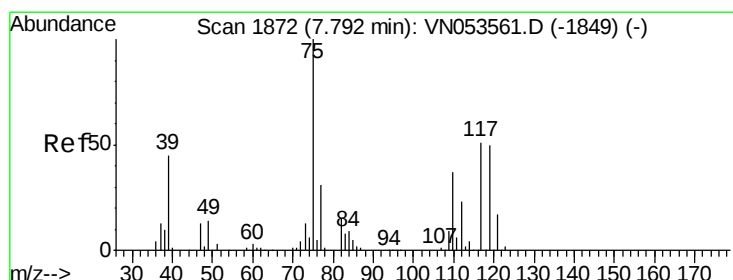
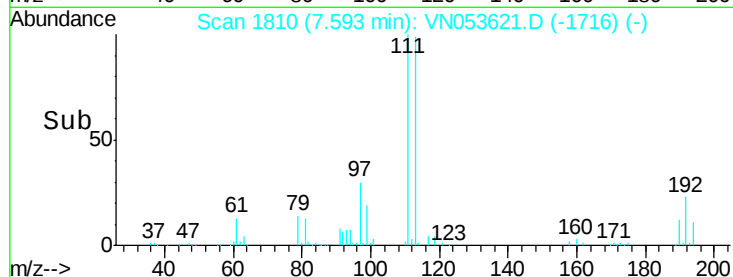
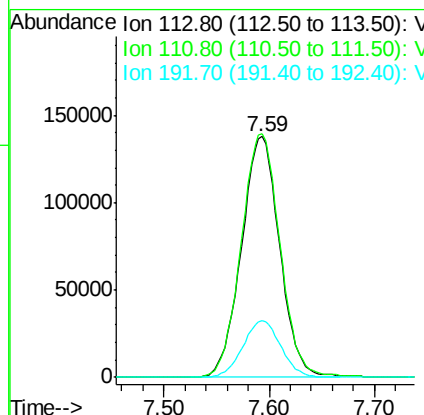
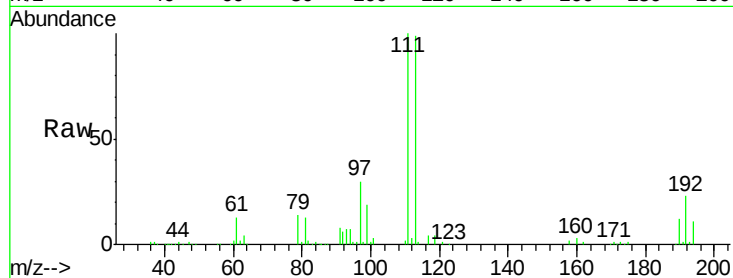
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	346956		
111	103.0	81.1	121.7	
192	23.4	18.2	27.2	

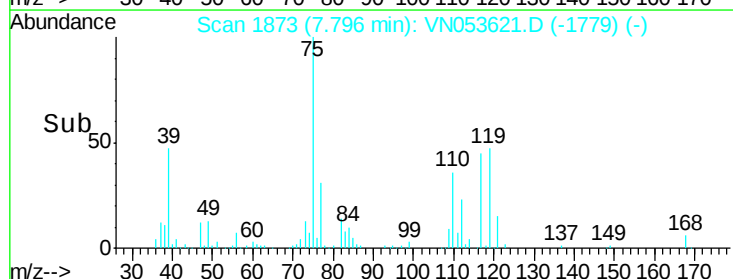
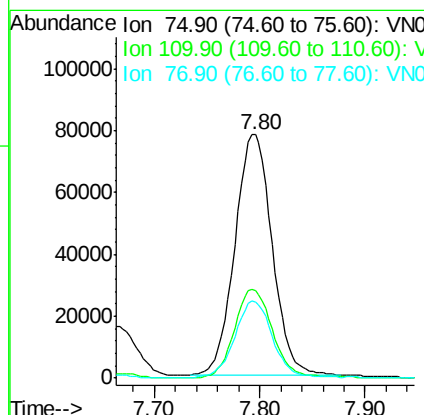
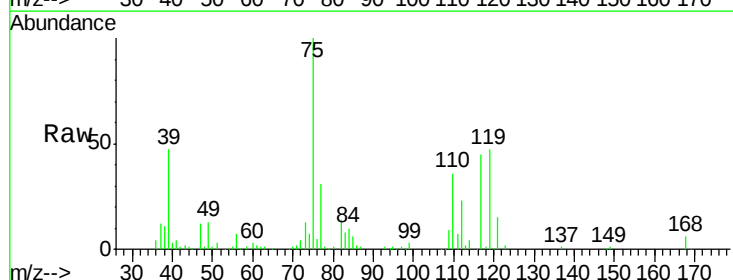
Manual Integrations
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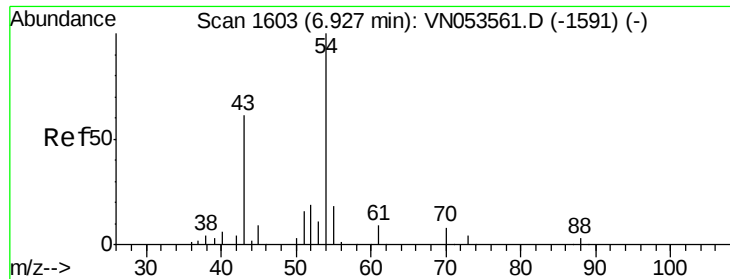
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 2/6/2019 12:47:04 PM



#36
 1,1-Dichloropropene
 Concen: 19.182 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	190688		
110	37.9	18.1	54.3	
77	32.9	25.1	37.7	





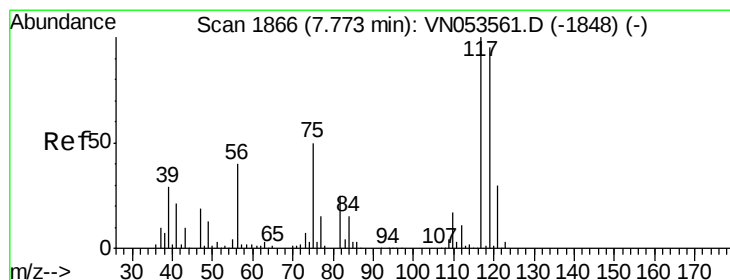
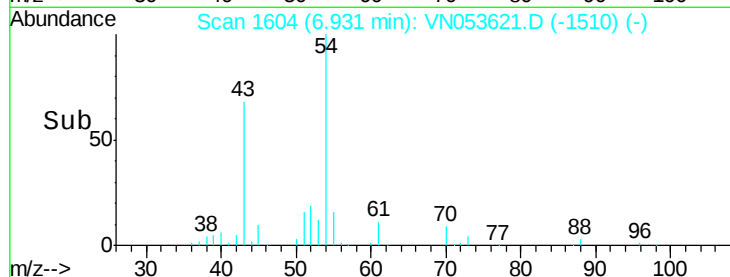
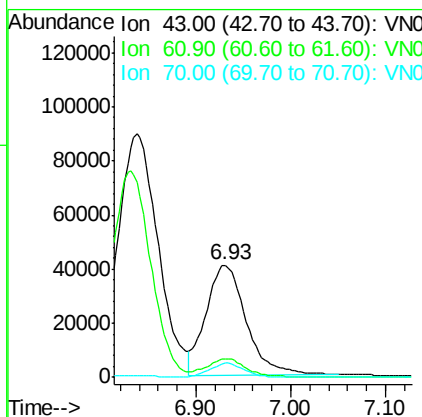
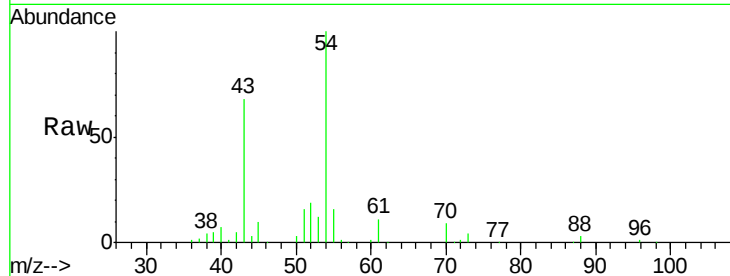
#37
Ethyl Acetate
Concen: 21.854 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.8	17.6
70	11.3	8.6	12.8

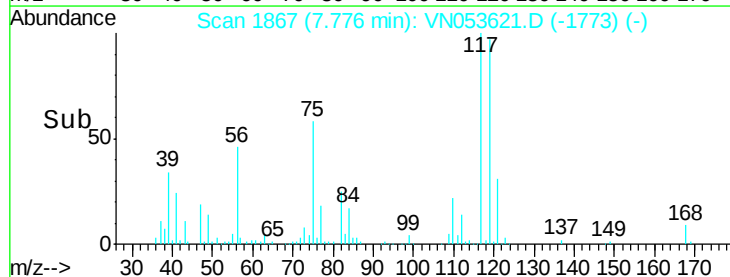
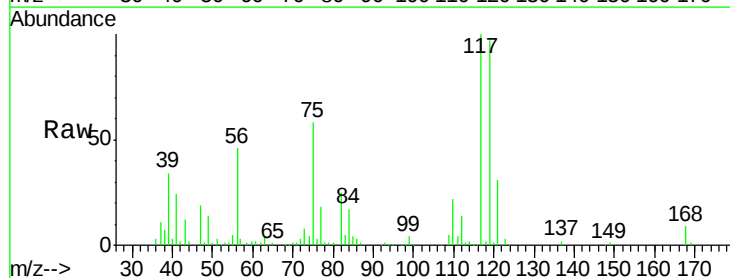
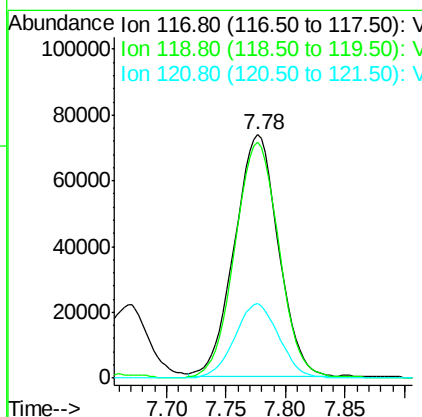
Manual Integrations
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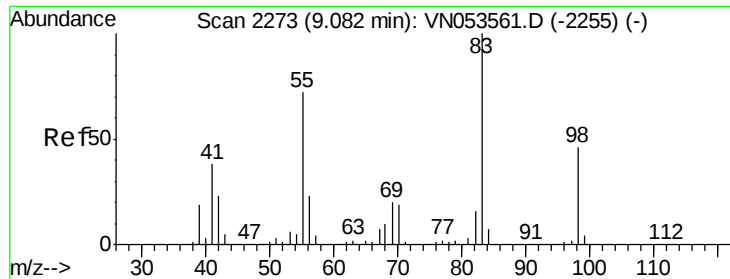
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.730 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.2	115.8
121	30.8	24.6	37.0





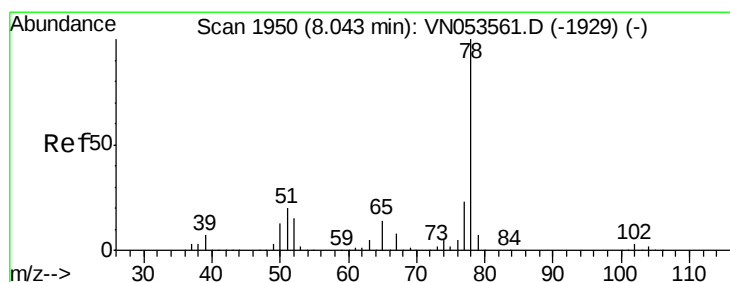
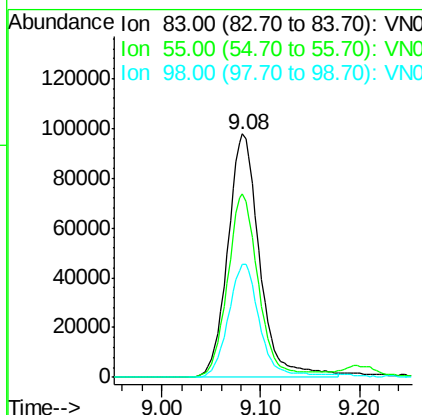
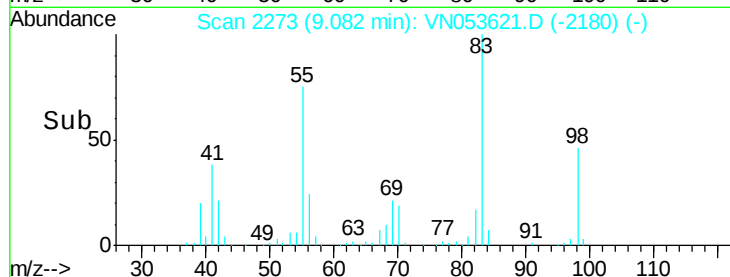
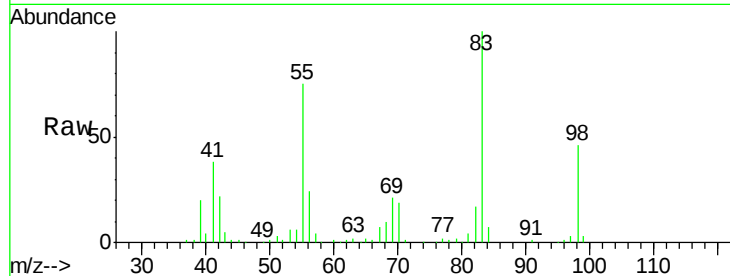
#39
Methvlcvclohexane
Concen: 18.700 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.4	60.1	90.1	
98	46.2	36.6	55.0	

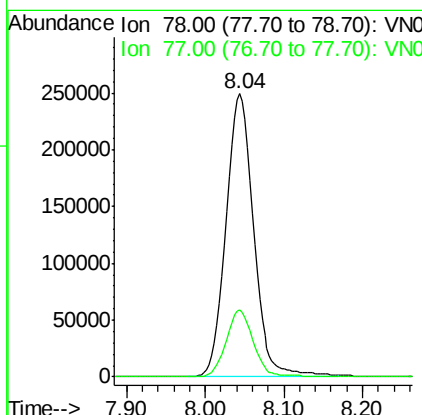
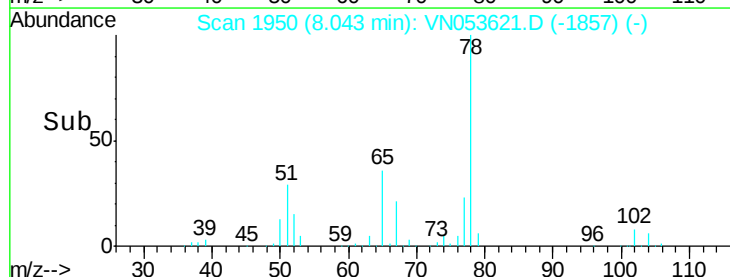
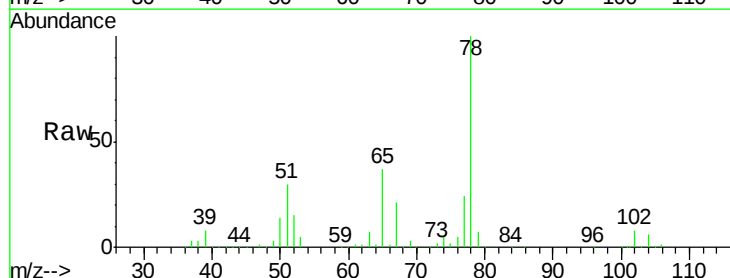
Manual Integrations
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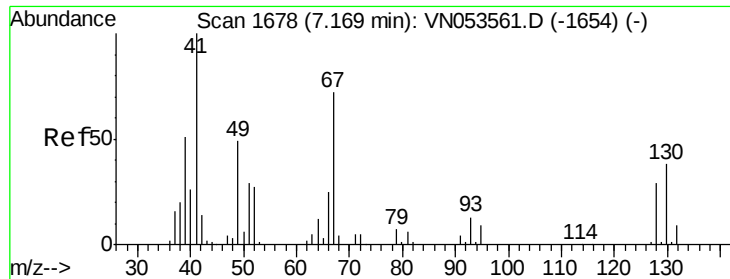
MMDadoda
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#40
Benzene
Concen: 19.878 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.8	28.2	





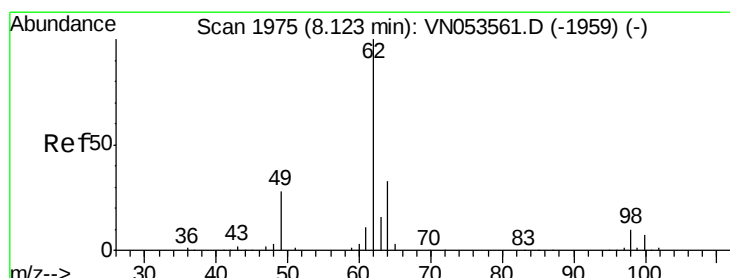
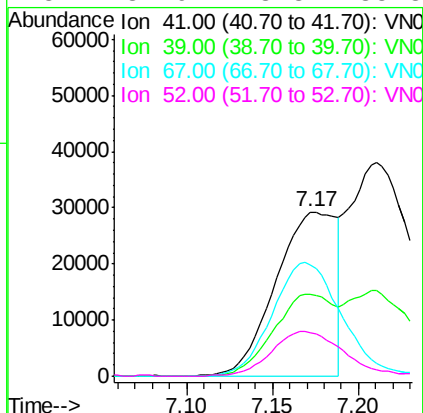
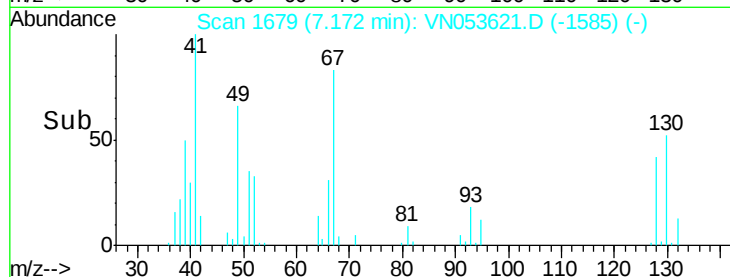
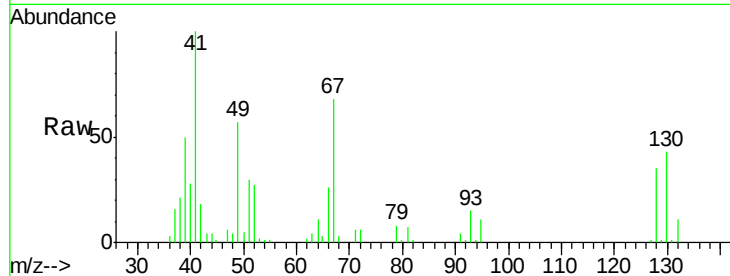
#41
Methacrylonitrile
Concen: 23.098 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion:	41	Resp:	71673
Ion	Ratio	Lower	Upper
41	100		
39	50.0	46.8	70.2
67	79.8	63.0	94.6
52	32.9	23.8	35.8

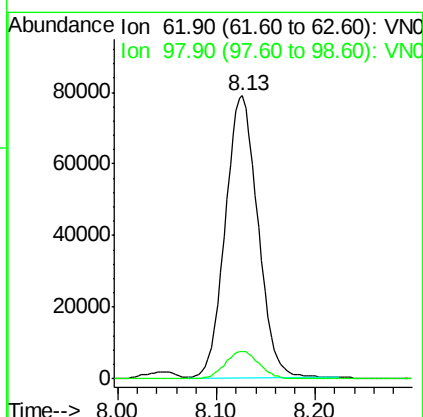
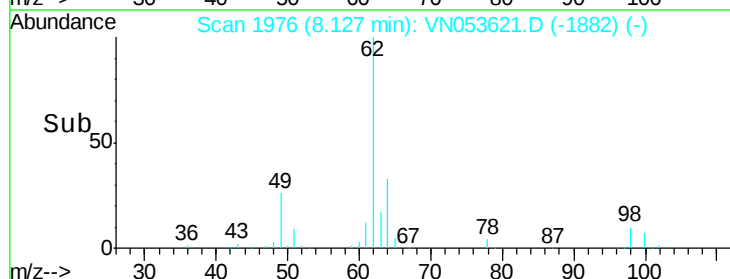
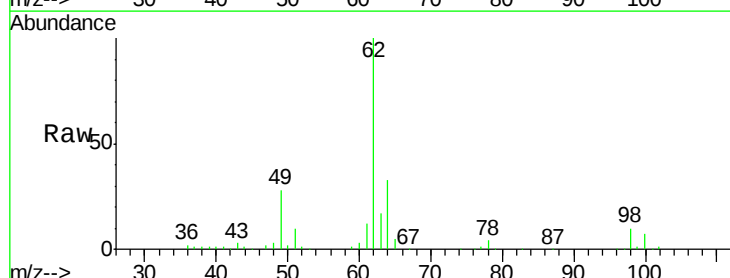
Manual Integrations
APPROVED

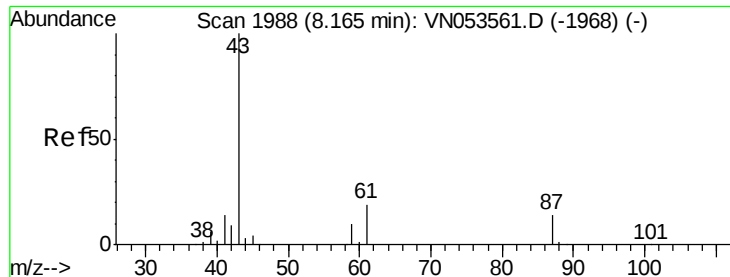
MMDadoda
2/6/2019 12:47:04 PM



#42
1,2-Dichloroethane
Concen: 20.049 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion:	62	Resp:	182491
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





#43

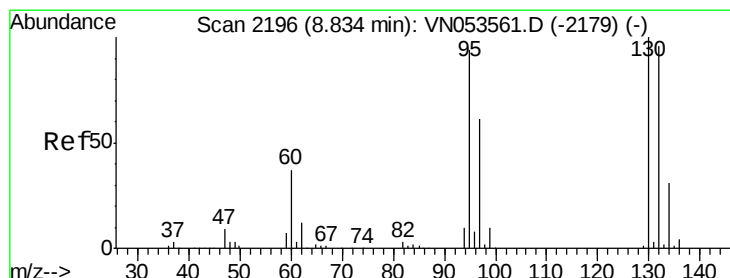
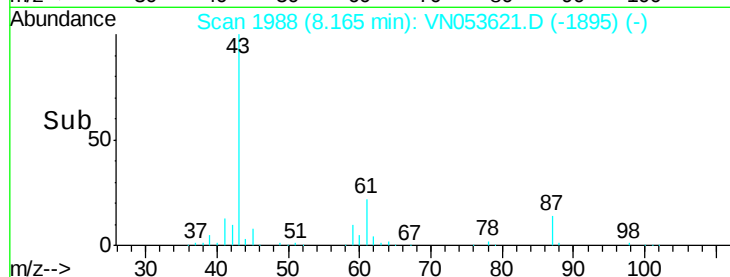
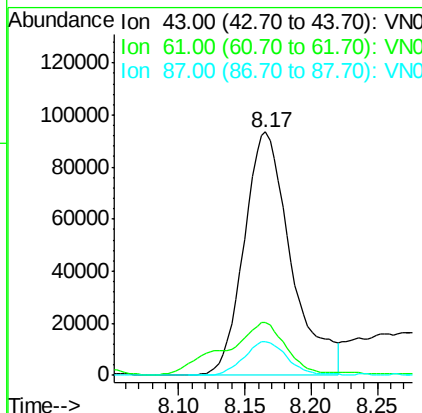
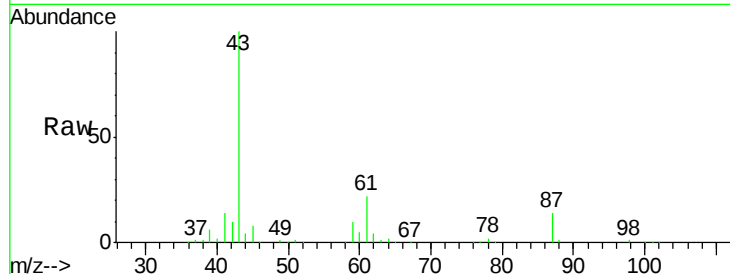
Isopropyl Acetate
 Concen: 21.408 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	23.9	35.9
87	12.8	11.0	16.6

Manual Integrations
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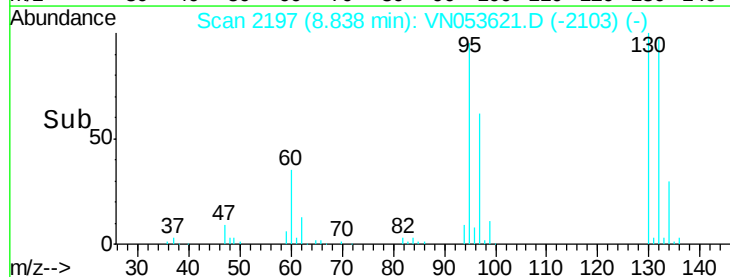
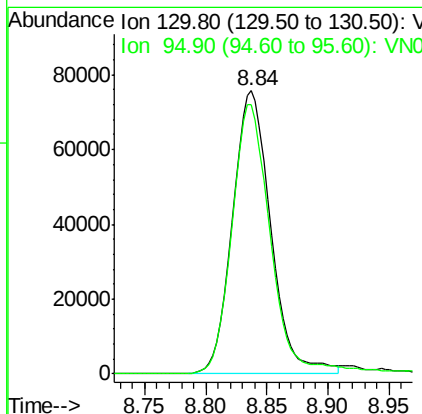
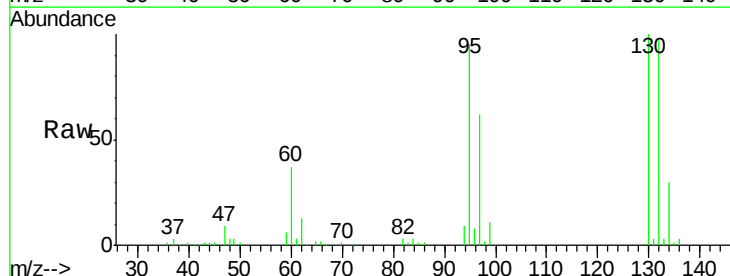
MMDadoda
 2/6/2019 12:47:04 PM



#44

Trichloroethene
 Concen: 18.859 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	191.4





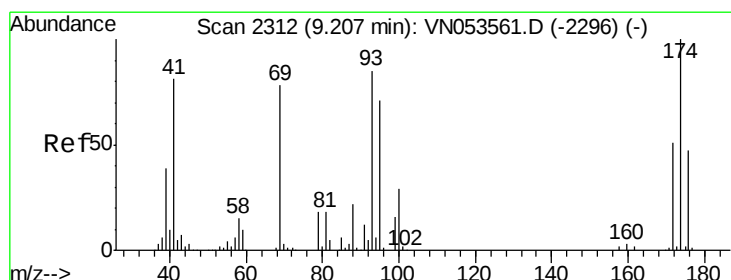
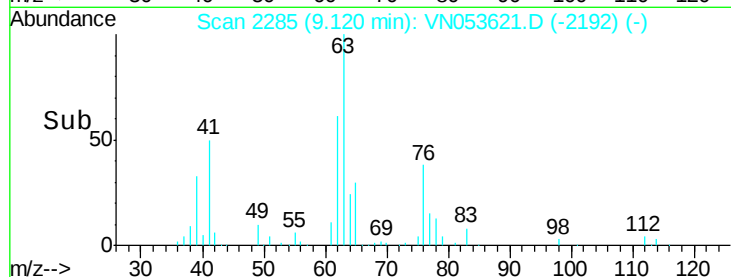
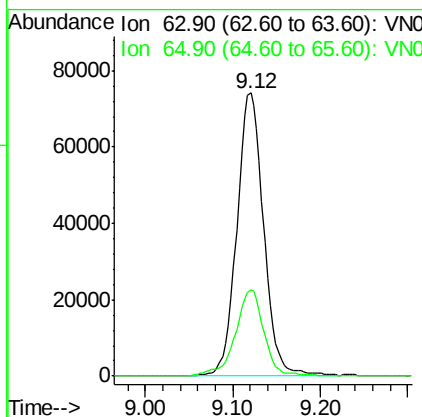
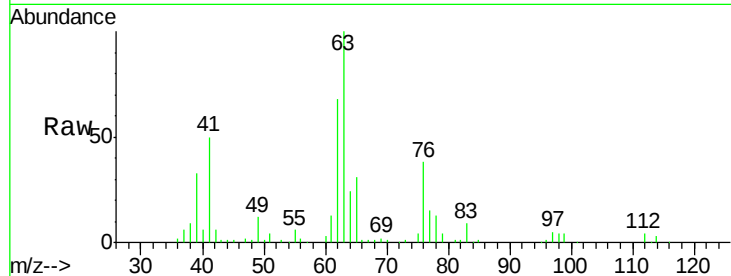
#45
 1,2-Dichloropropane
 Concen: 20.154 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Tot Ion: 63 Resp: 158027
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4

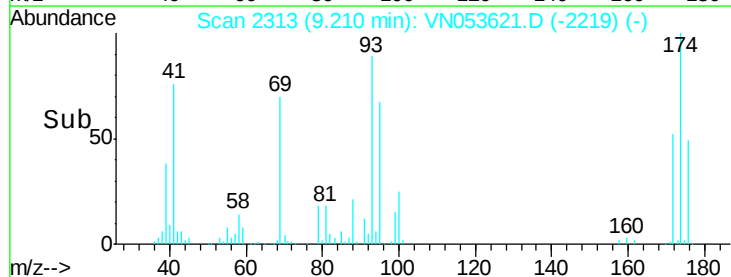
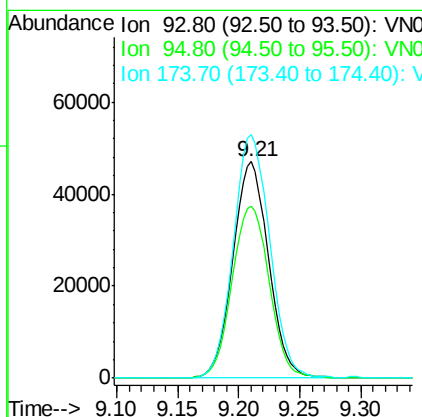
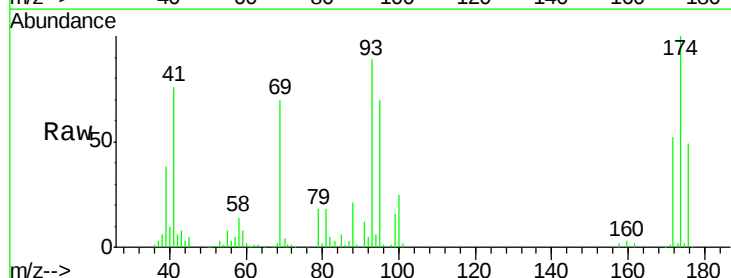
Manual Integrations
 APPROVED

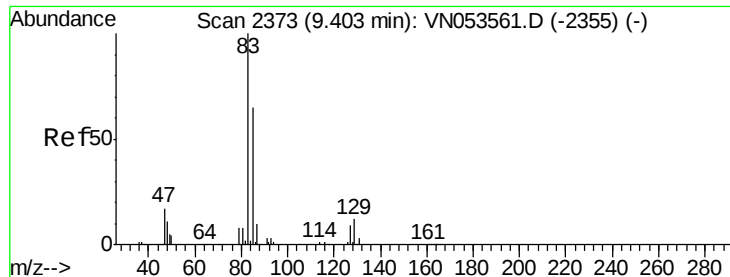
MMDadoda
 2/6/2019 12:47:04 PM



#46
 Dibromomethane
 Concen: 20.209 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion: 93 Resp: 95519
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.3 100.9
 174 115.3 91.0 136.4





#47

Bromodichloromethane

Concen: 20.084 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

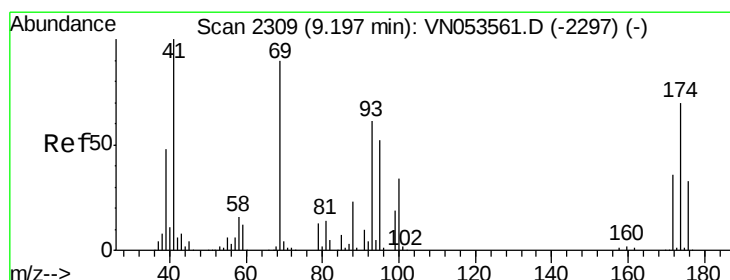
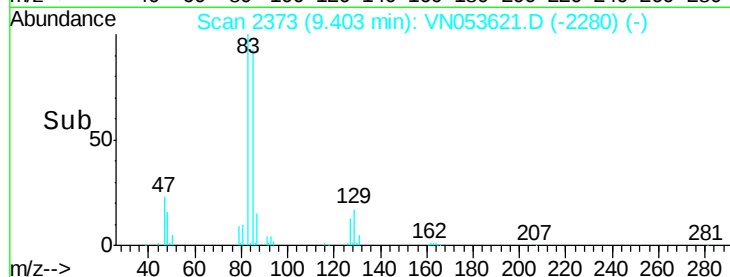
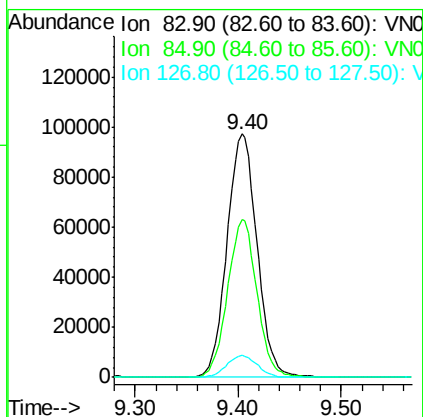
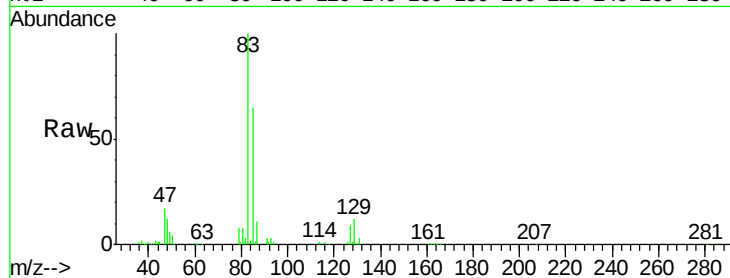
ClientSampleId :

VN0205WBSD01

Tot Ion:	83	Resp:	197375
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.0	76.6
127	8.9	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
2/6/2019 12:47:04 PM



#48

Methyl methacrylate

Concen: 19.866 ug/l

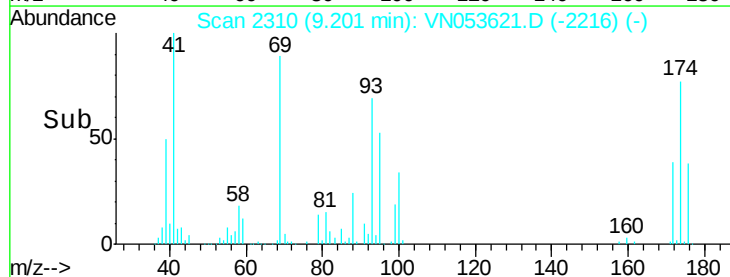
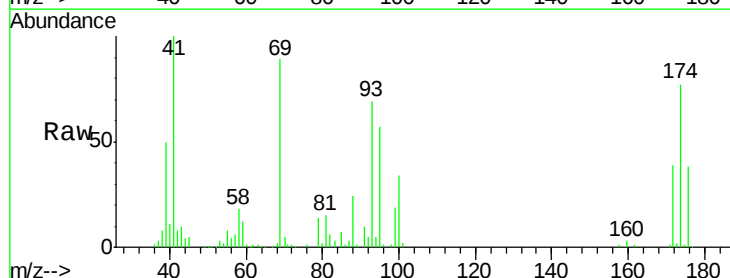
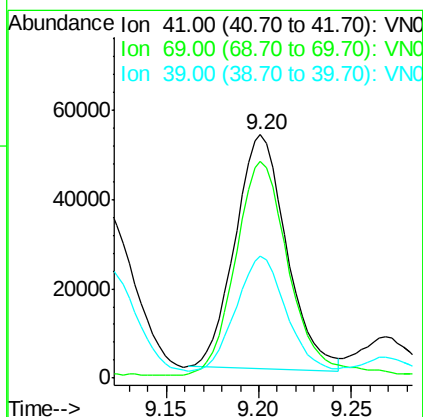
RT: 9.20 min Scan# 2310

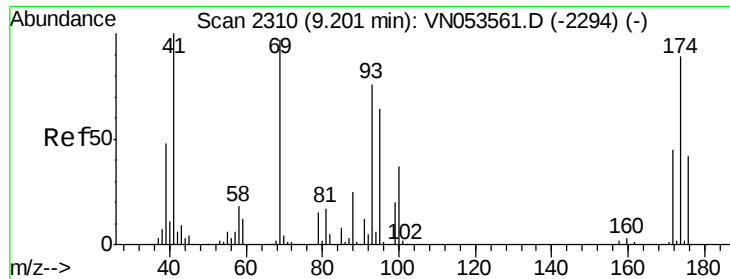
Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Tgt Ion:	41	Resp:	101679
Ion	Ratio	Lower	Upper
41	100		
69	99.0	73.8	110.6
39	53.9	40.0	60.0





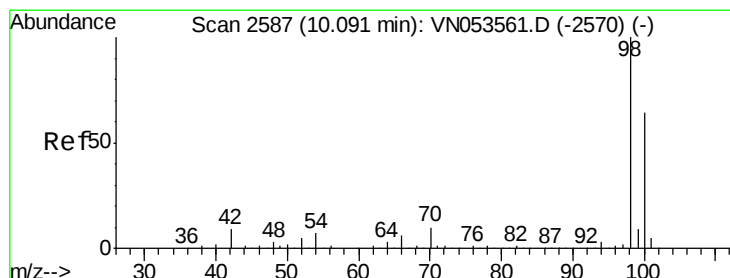
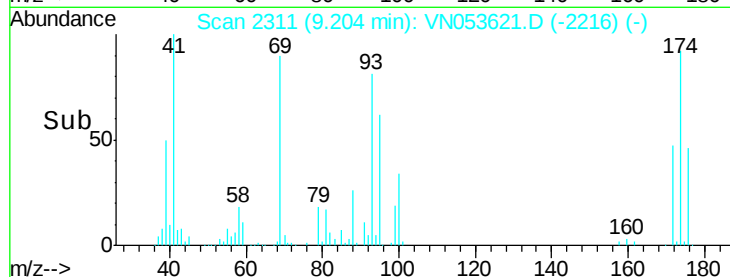
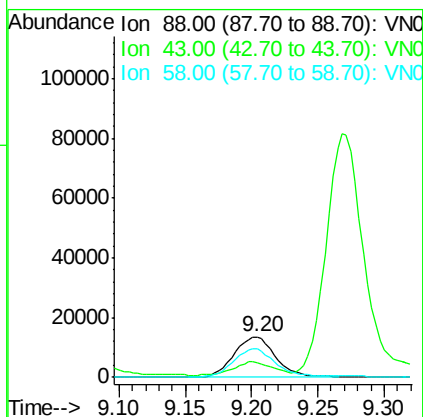
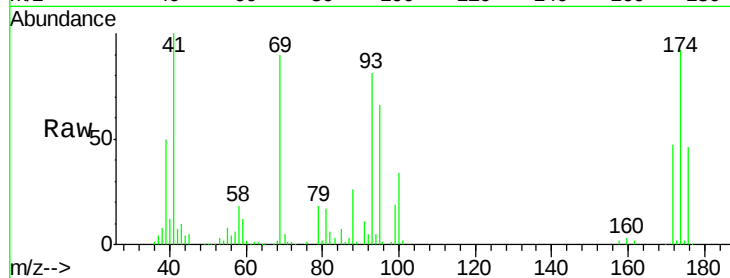
#49
1,4-Dioxane
Concen: 423.345 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	27.8	41.6
58	71.9	56.5	84.7

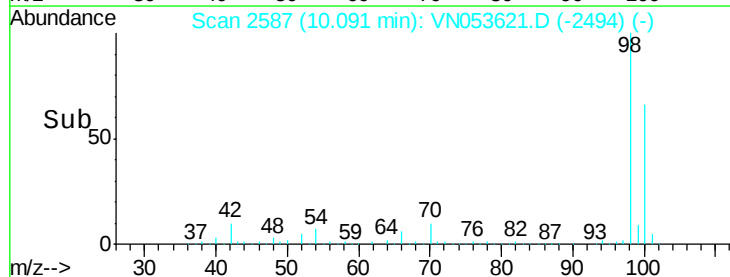
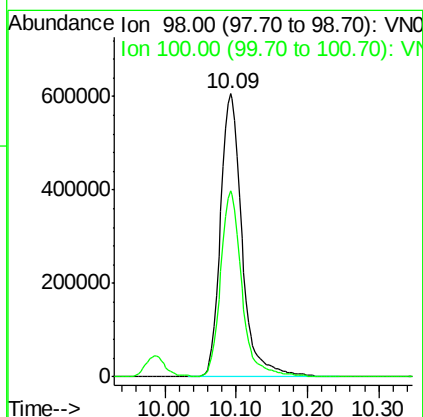
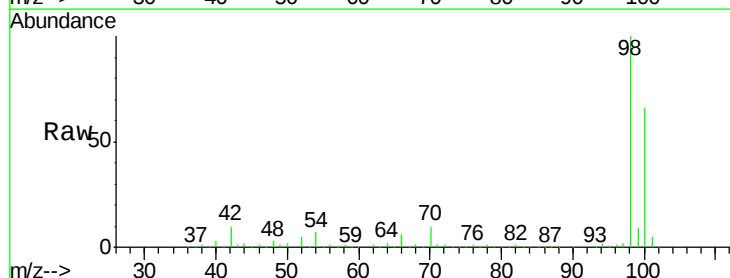
Manual Integrations
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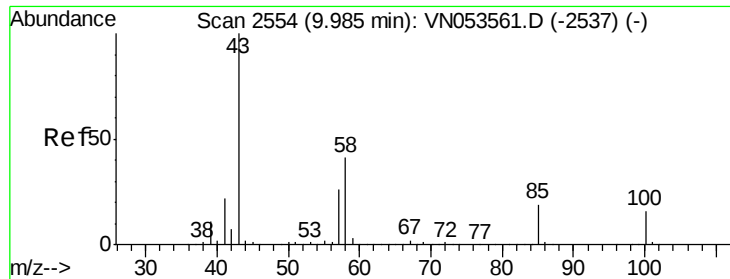
MMDadoda
2/6/2019 12:47:04 PM



#50
Toluene-d8
Concen: 423.345 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 108.690 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

Tot Ion: 43 Resp: 572678

Ion Ratio Lower Upper

43 100

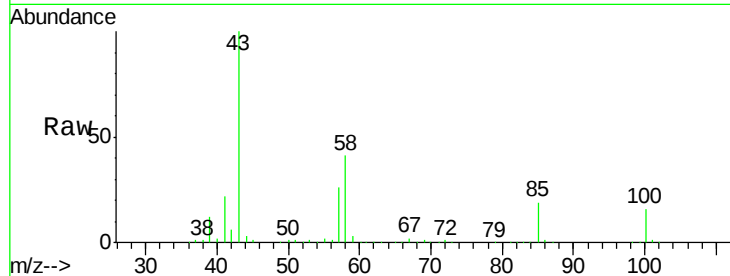
58 40.3 32.8 49.2

Manual Integrations

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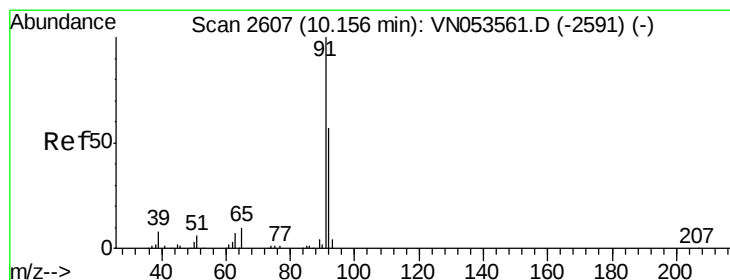
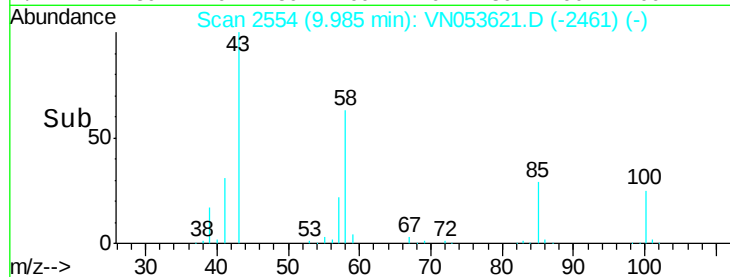
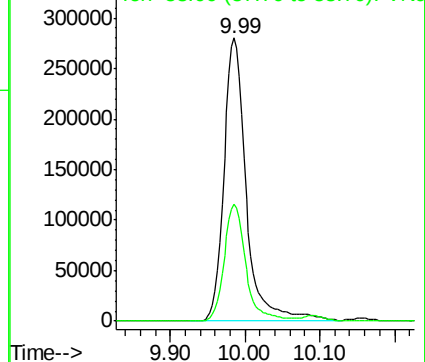
MMDadoda

2/6/2019 12:47:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.960 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053621.D

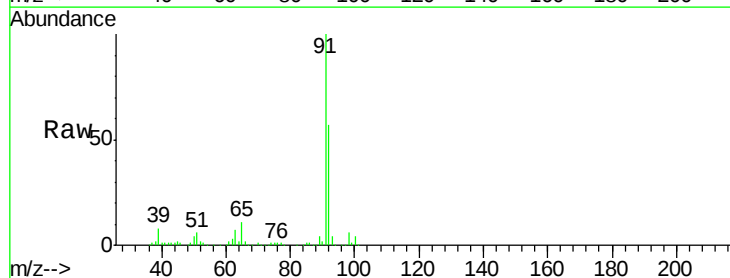
Acq: 5 Feb 2019 15:49

Tgt Ion: 92 Resp: 363139

Ion Ratio Lower Upper

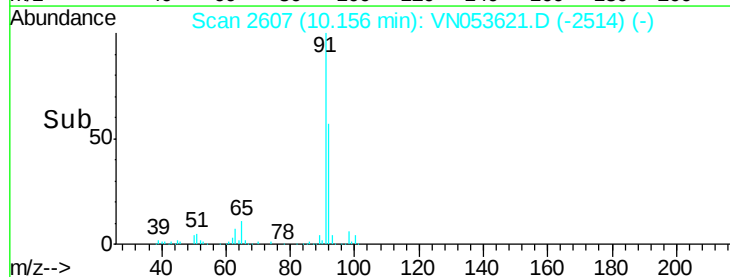
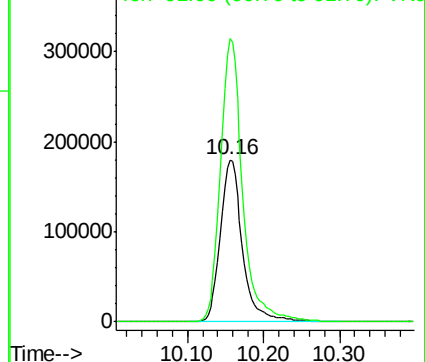
92 100

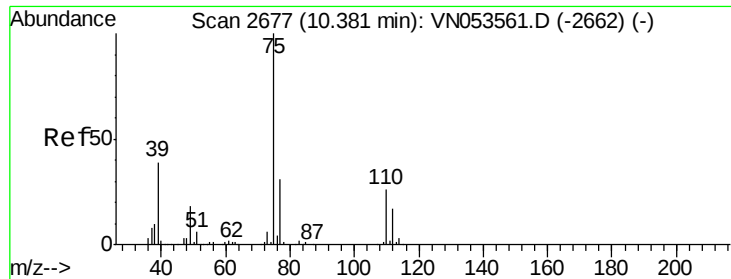
91 175.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





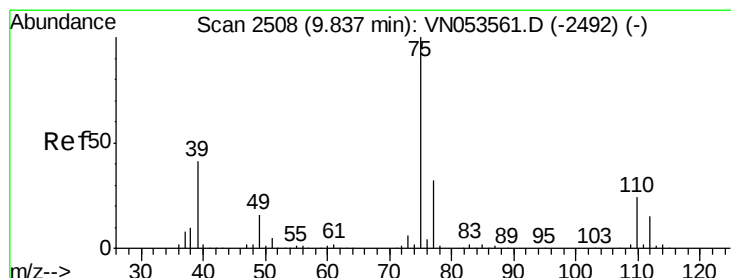
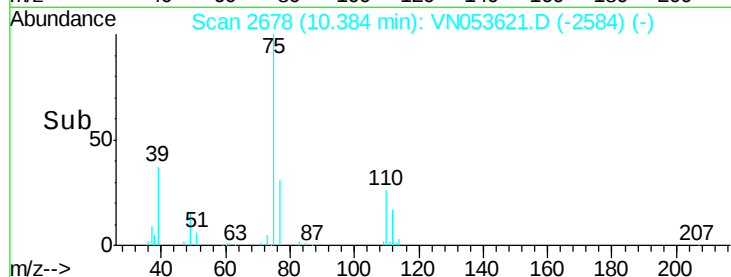
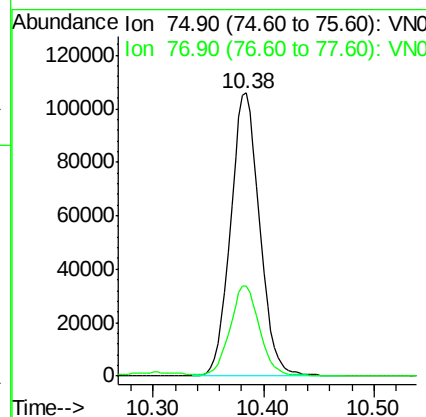
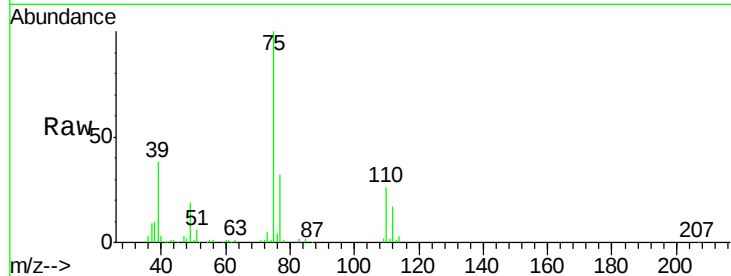
#53
t-1,3-Dichloropropene
Concen: 19.660 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion: 75 Resp: 193469
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3

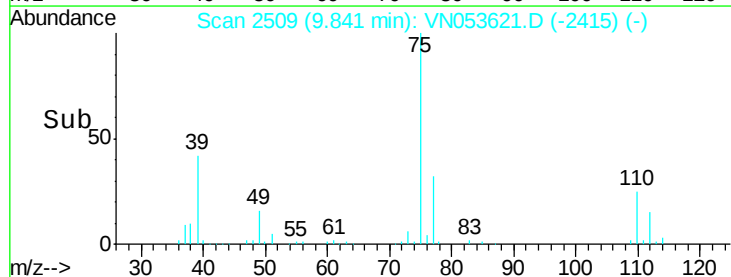
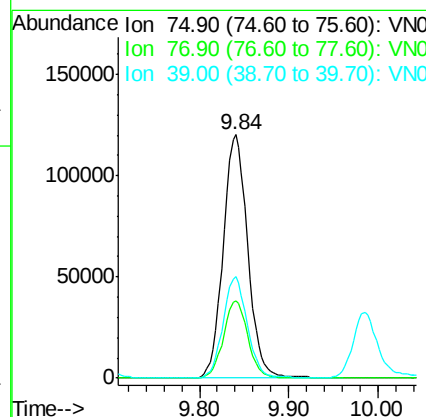
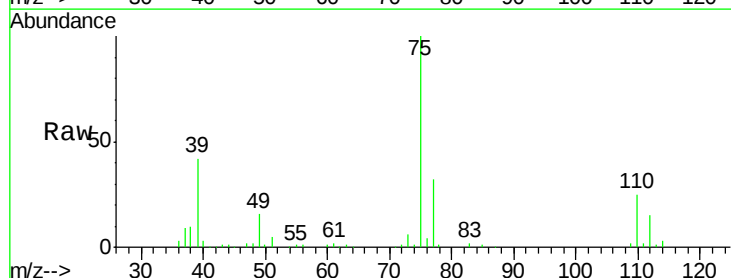
Manual Integrations
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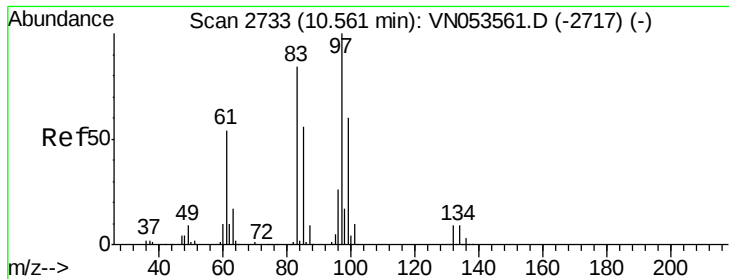
MMDadoda
2/6/2019 12:47:04 PM



#54
cis-1,3-Dichloropropene
Concen: 19.699 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 75 Resp: 229715
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.6
39 41.6 33.4 50.0





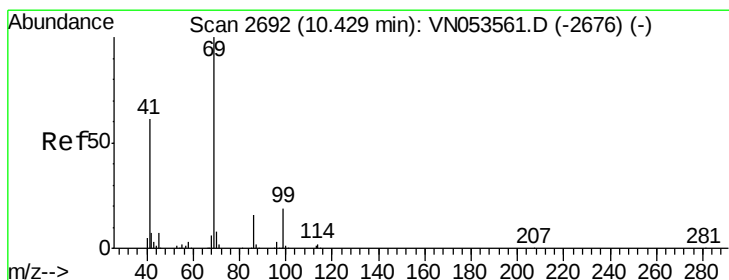
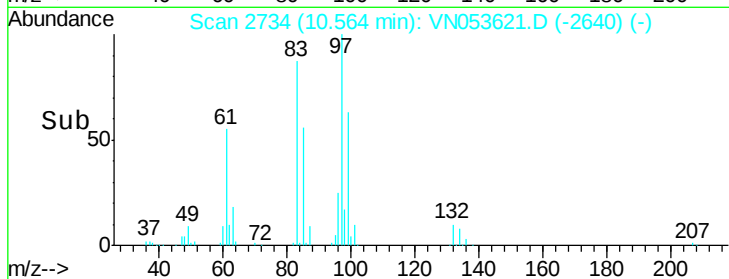
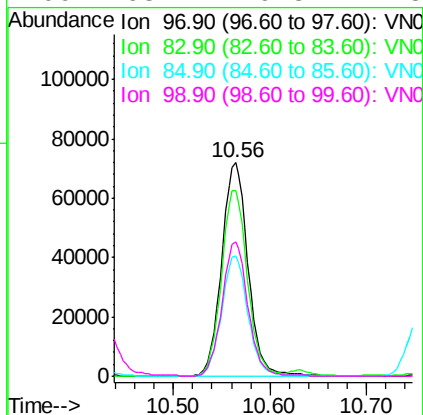
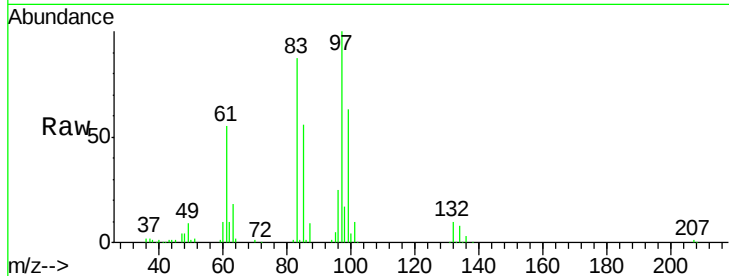
#55
 1,1,2-Trichloroethane
 Concen: 20.795 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		136334		
83	86.8	70.1	105.1		
85	56.1	45.4	68.0		
99	63.2	49.8	74.8		

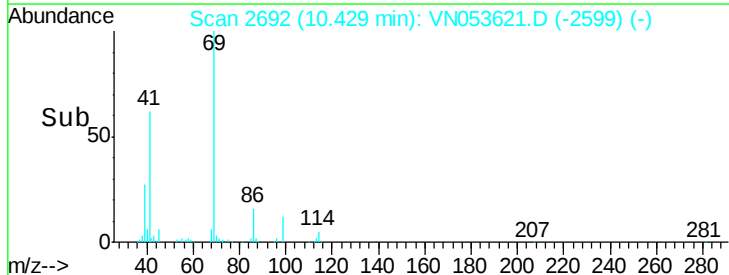
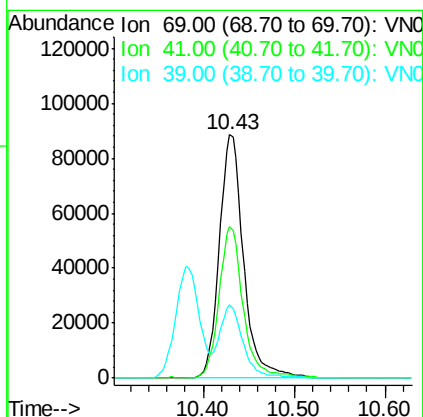
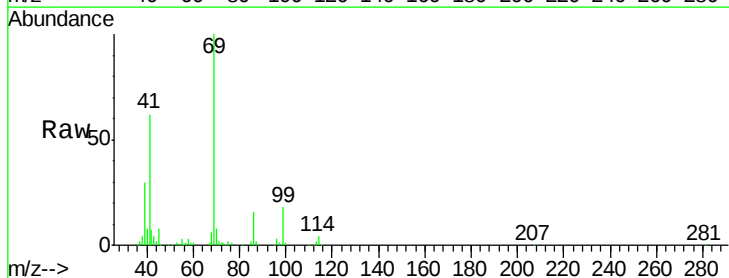
Manual Integrations
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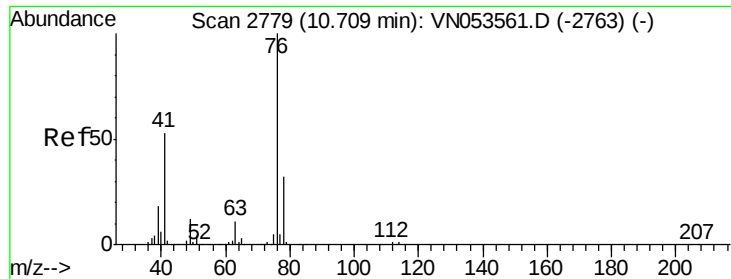
MMDadoda
 2/6/2019 12:47:04 PM



#56
 Ethyl methacrylate
 Concen: 21.232 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		164668		
41	62.4	49.4	74.0		
39	28.4	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 20.809 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

Tot Ion: 76 Resp: 233157

Ion Ratio Lower Upper

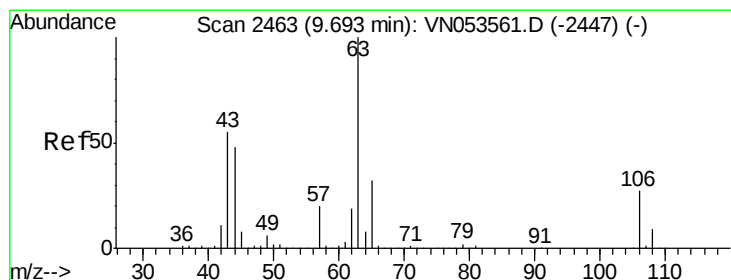
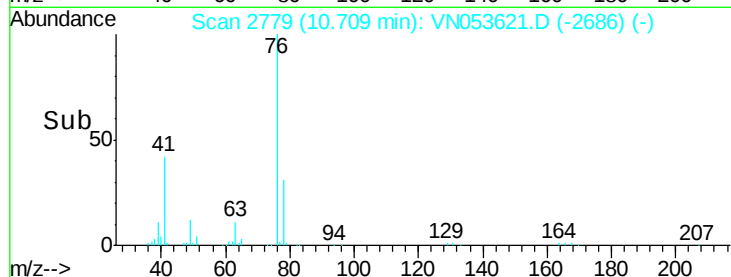
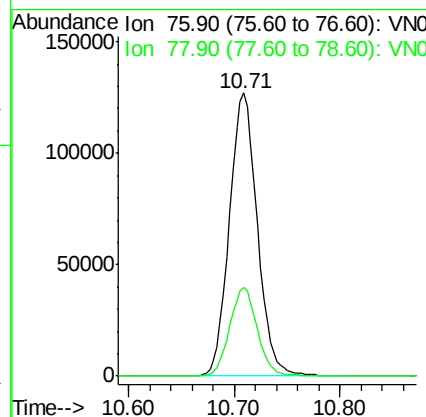
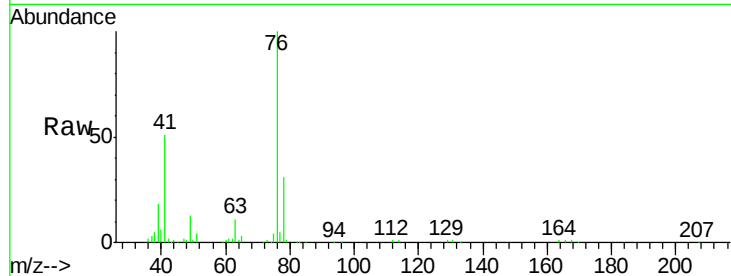
76 100

78 30.9 25.6 38.4

Manual Integrations
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MMDadoda

2/6/2019 12:47:04 PM



#58

2-Chloroethyl Vinyl ether

Concen: 93.031 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053621.D

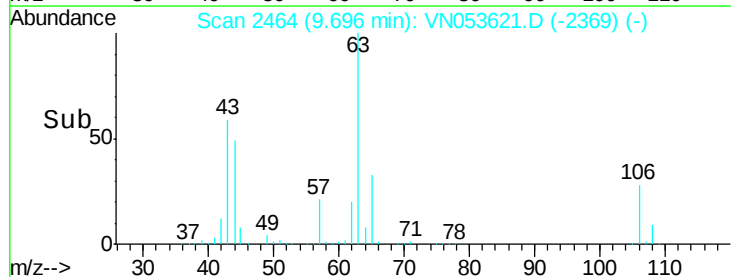
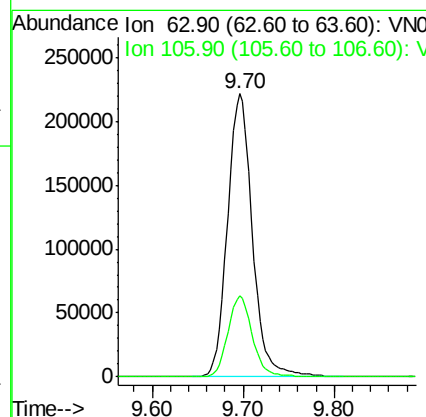
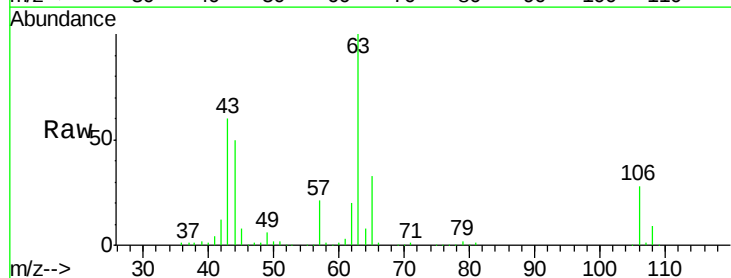
Acq: 5 Feb 2019 15:49

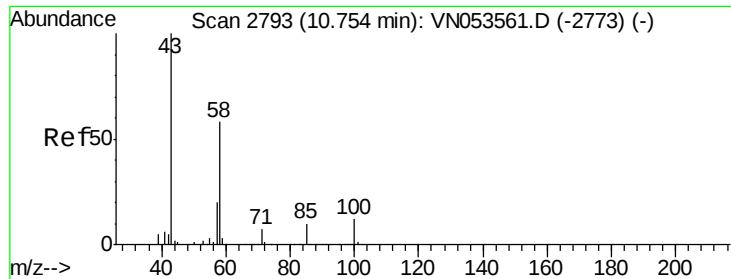
Tgt Ion: 63 Resp: 422479

Ion Ratio Lower Upper

63 100

106 27.9 21.5 32.3





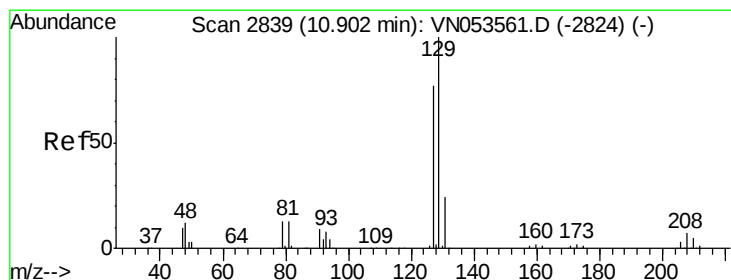
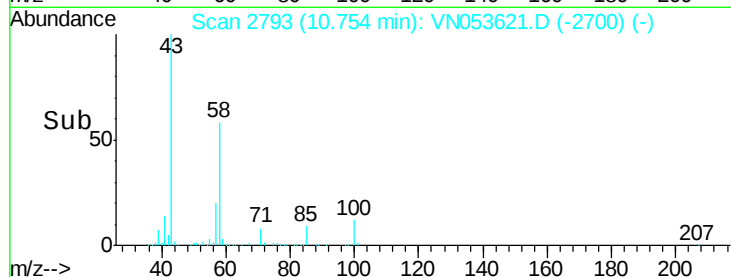
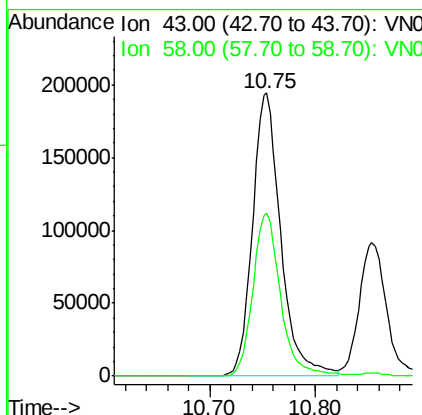
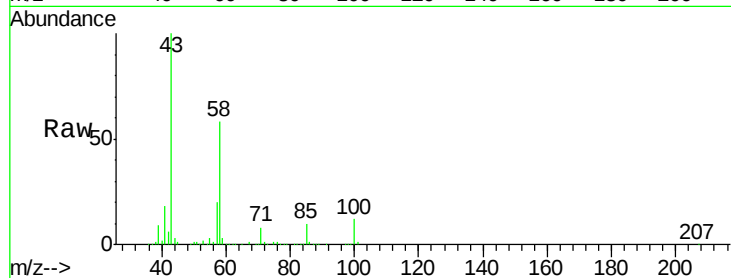
#59
2-Hexanone
Concen: 100.826 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBSD01

Tot Ion: 43 Resp: 360645
Ion Ratio Lower Upper
43 100
58 56.9 28.6 85.8

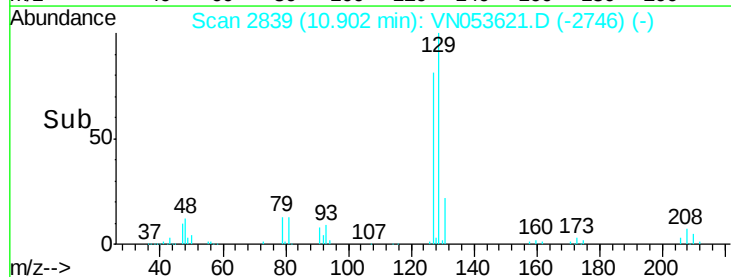
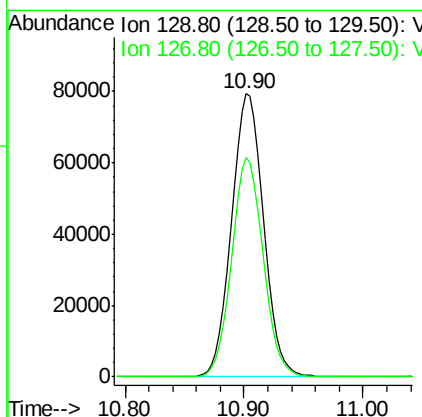
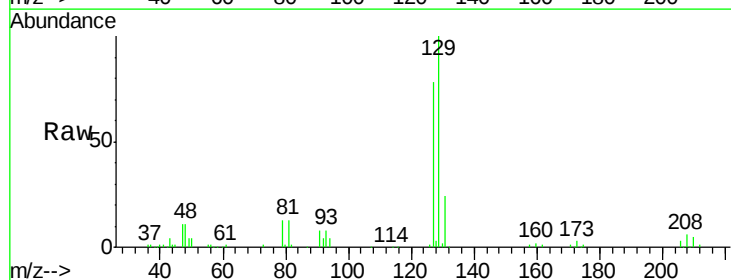
Manual Integrations
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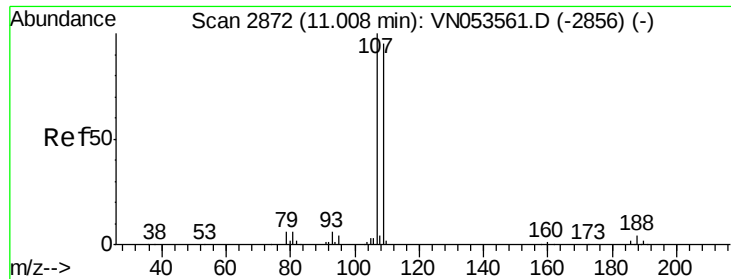
MMDadoda
2/6/2019 12:47:04 PM



#60
Dibromochloromethane
Concen: 20.067 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 129 Resp: 148352
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.828 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

Tot Ion: 107 Resp: 128660

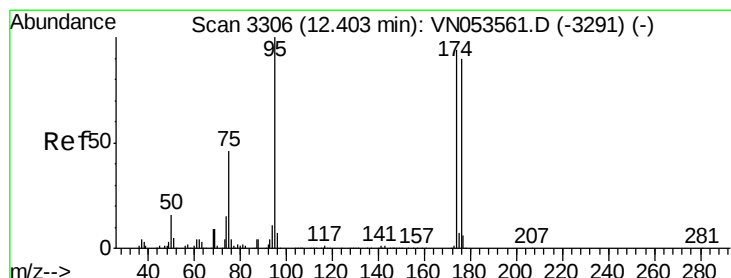
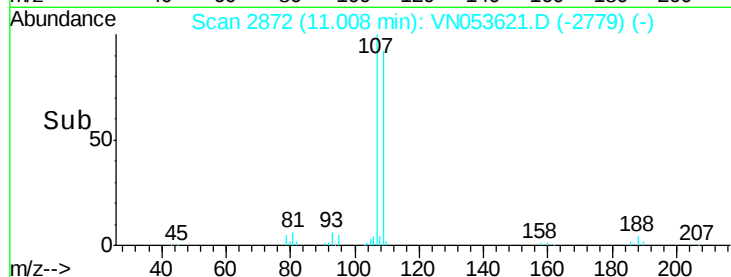
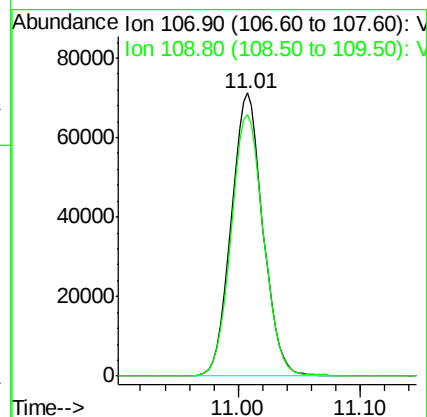
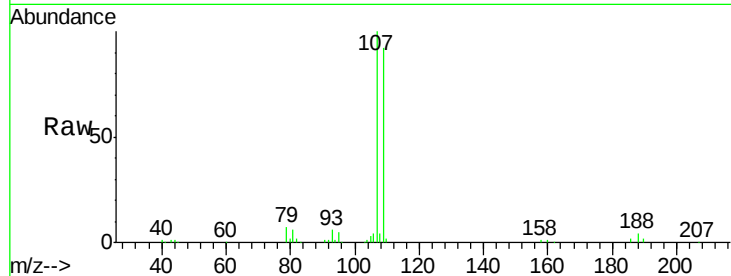
Ion Ratio Lower Upper

107 100

109 95.0 75.7 113.5

Manual Integrations
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2/6/2019 12:47:04 PM



#62

4-Bromofluorobenzene

Concen: 19.828 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

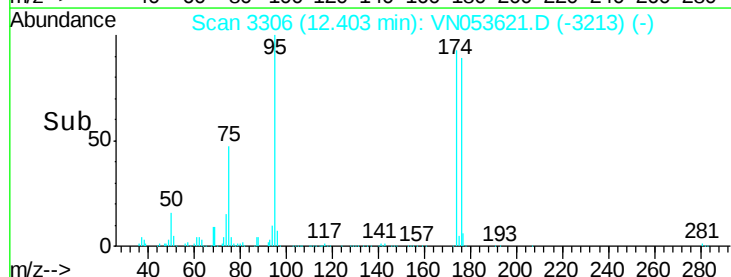
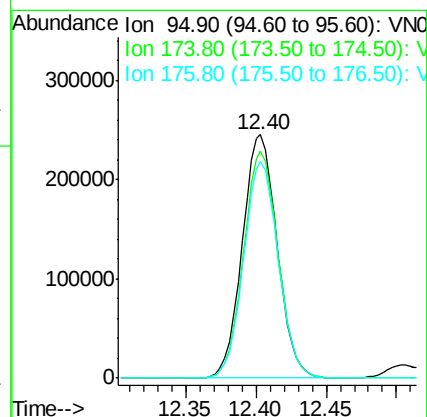
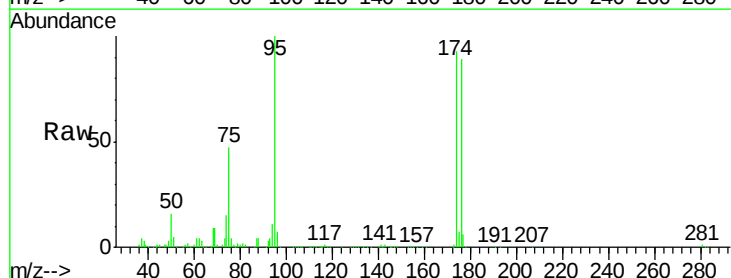
Tgt Ion: 95 Resp: 423636

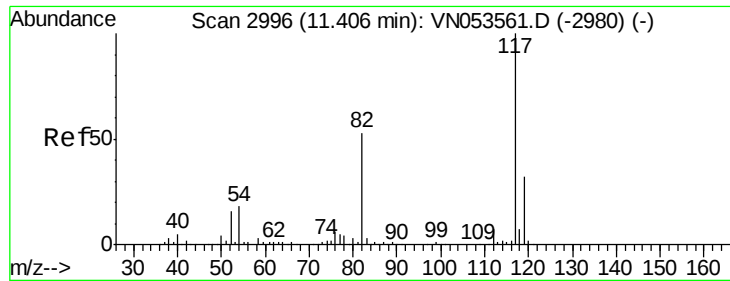
Ion Ratio Lower Upper

95 100

174 93.1 0.0 183.2

176 88.9 0.0 177.4





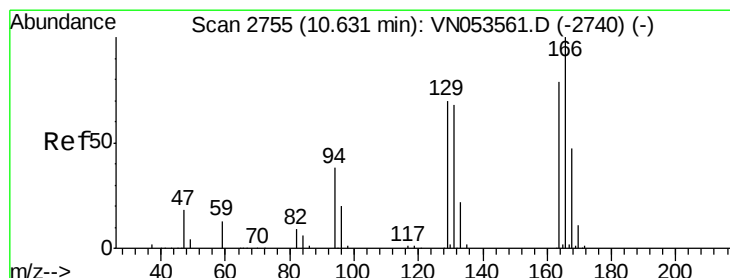
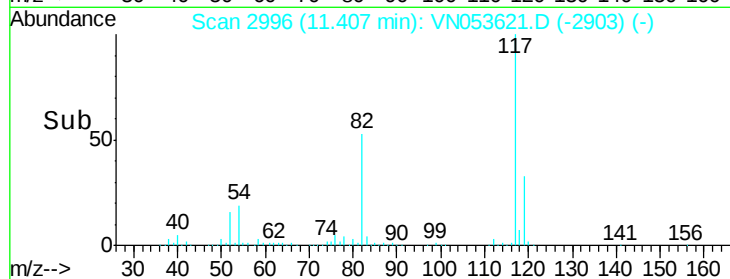
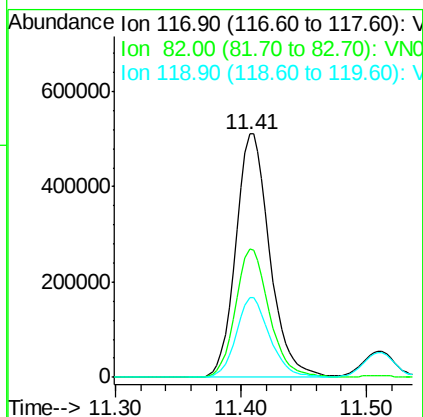
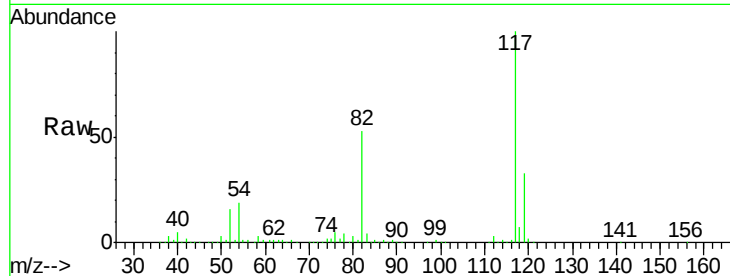
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.9	64.3
119	32.7	26.0	39.0

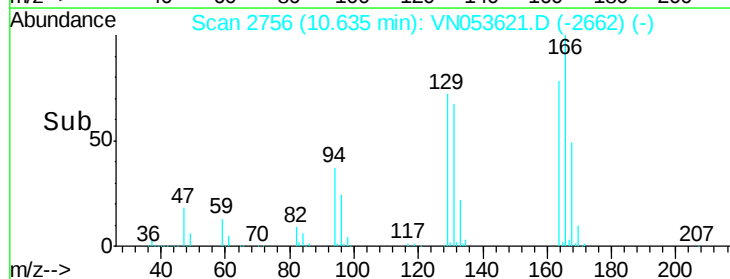
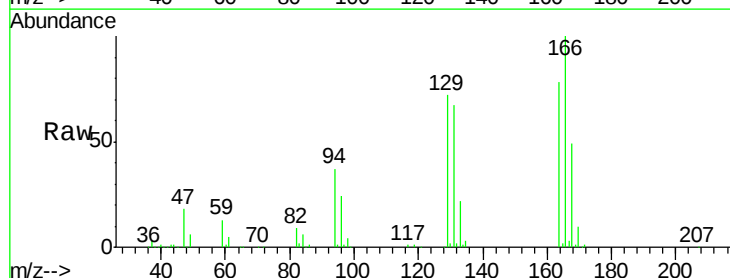
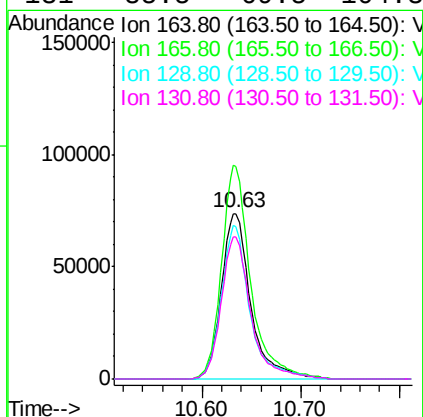
Manual Integrations
APPROVED

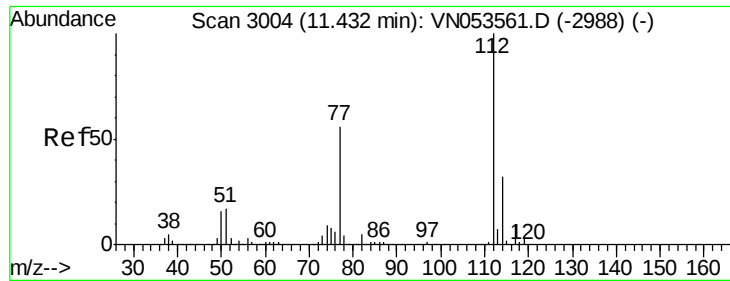
MMDadoda
2/6/2019 12:47:04 PM



#64
Tetrachloroethene
Concen: 18.752 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.2	153.4
129	92.0	72.6	109.0
131	85.5	69.5	104.3





#65

Chlorobenzene

Concen: 19.381 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

Tot Ion:112 Resp: 396034

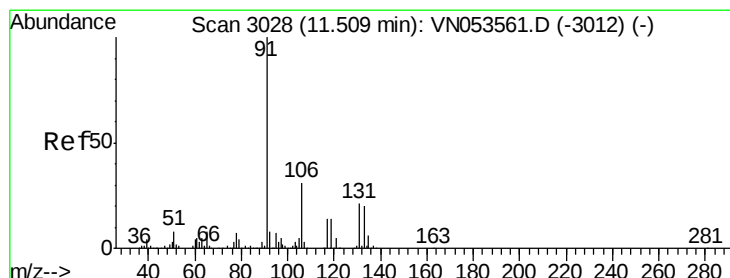
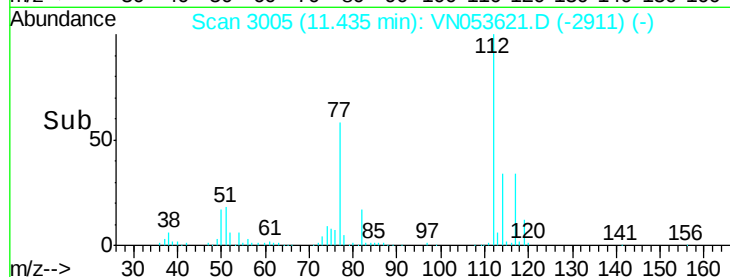
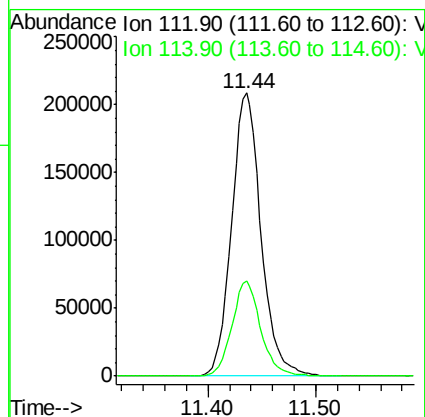
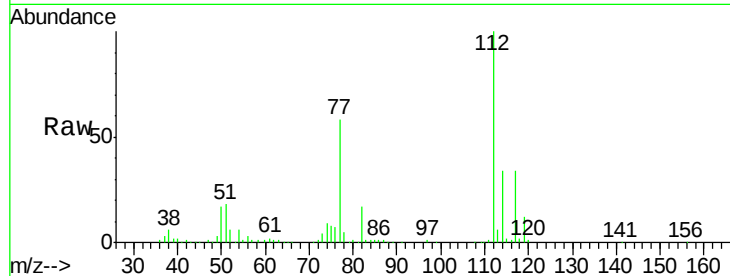
Ion Ratio Lower Upper

112 100

114 33.5 25.3 37.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.875 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

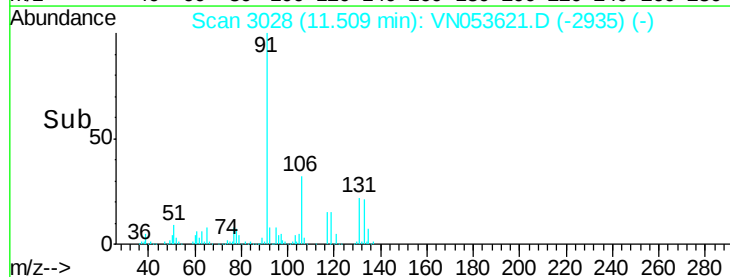
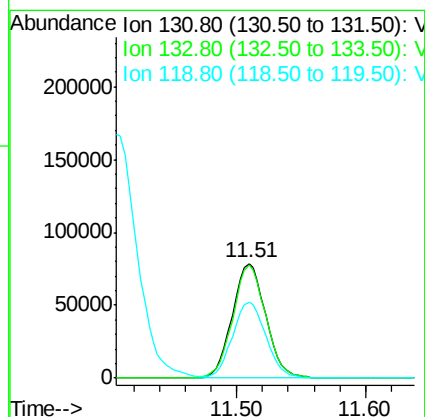
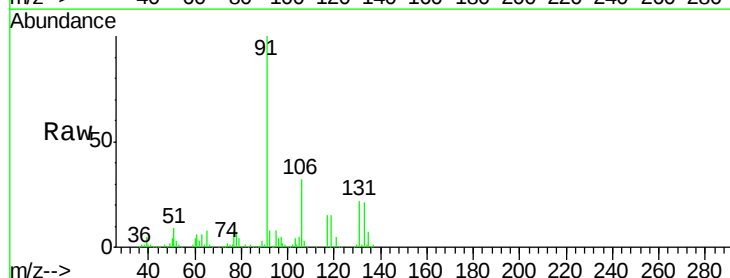
Tgt Ion:131 Resp: 141836

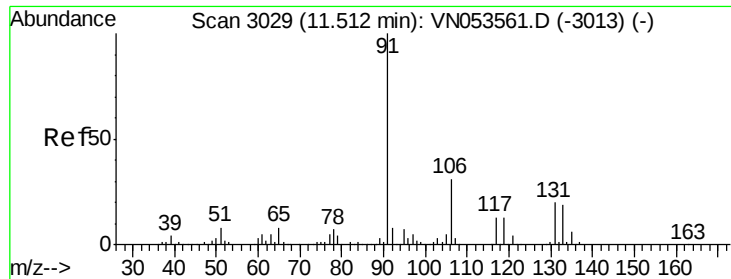
Ion Ratio Lower Upper

131 100

133 97.2 48.0 144.0

119 66.5 33.5 100.5





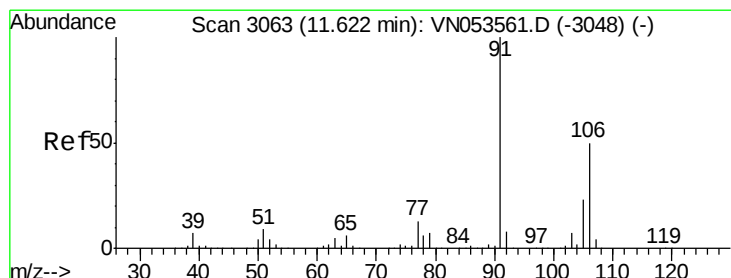
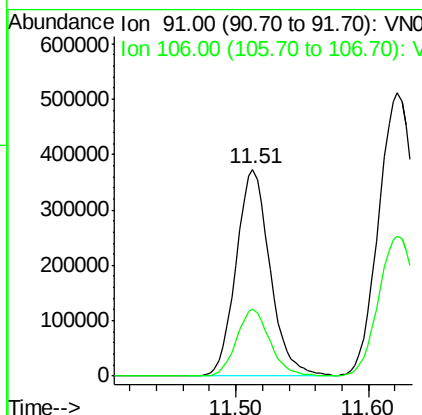
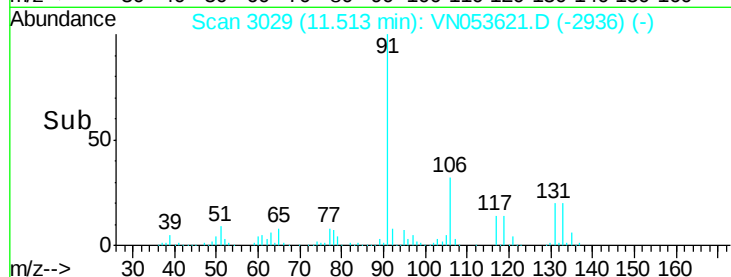
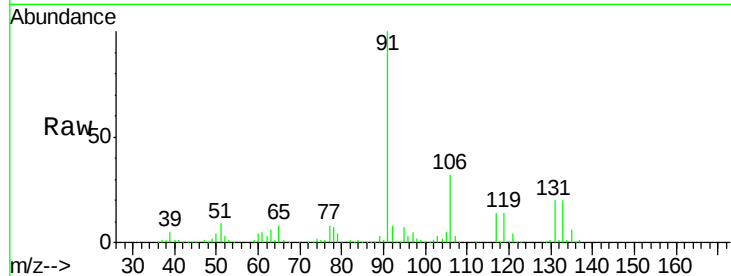
#67
Ethyl Benzene
Concen: 19.780 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion: 91 Resp: 663957
Ion Ratio Lower Upper
91 100
106 32.1 25.0 37.6

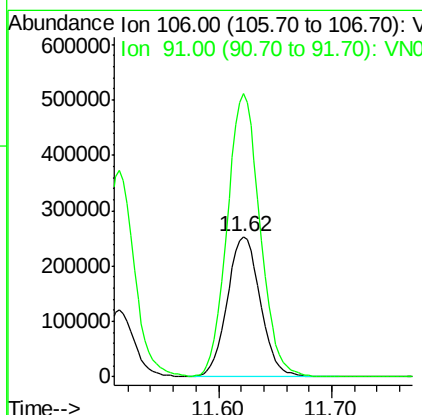
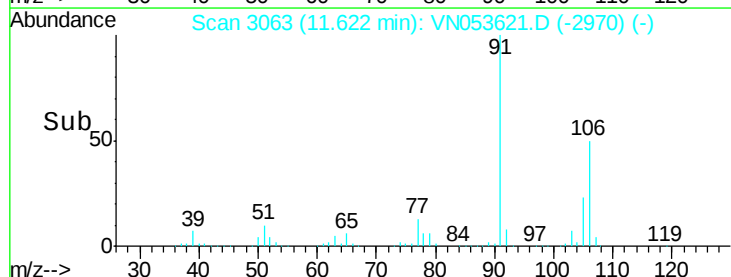
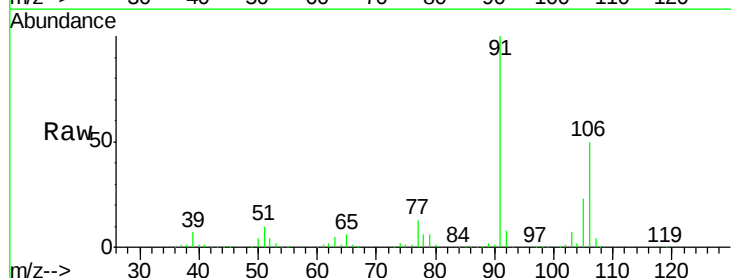
Manual Integrations
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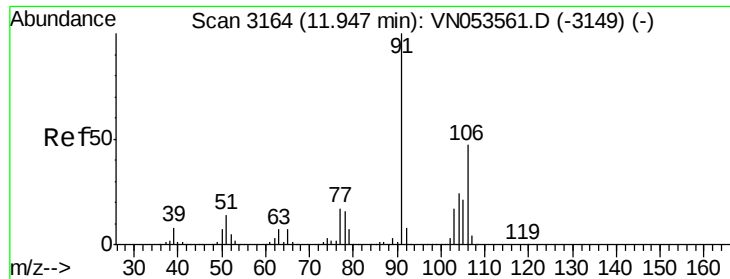
MMDadoda
2/6/2019 12:47:04 PM



#68
m/p-Xylenes
Concen: 40.173 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 106 Resp: 514679
Ion Ratio Lower Upper
106 100
91 200.3 161.4 242.2





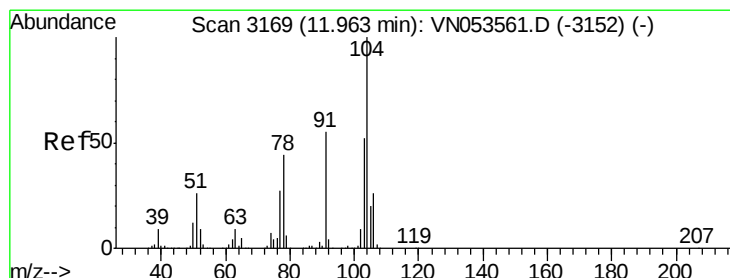
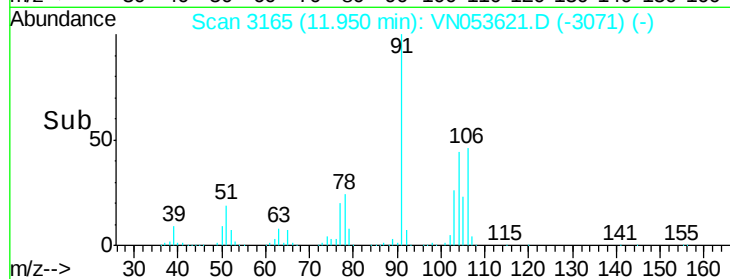
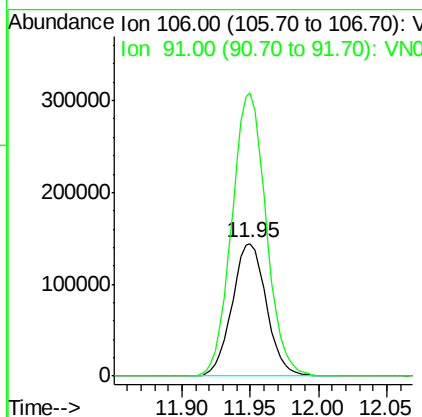
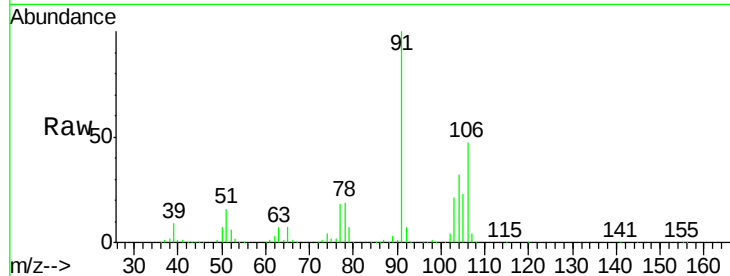
#69
o-Xylene
Concen: 20.381 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		252254		
91	213.6	106.9	320.8		

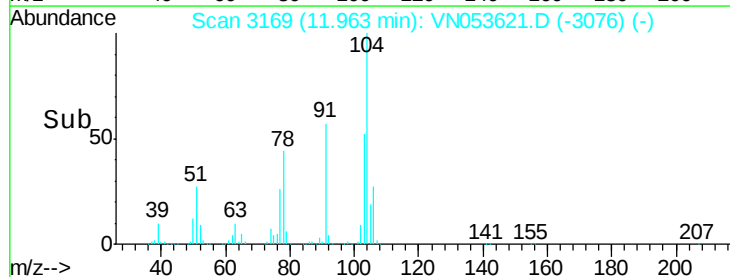
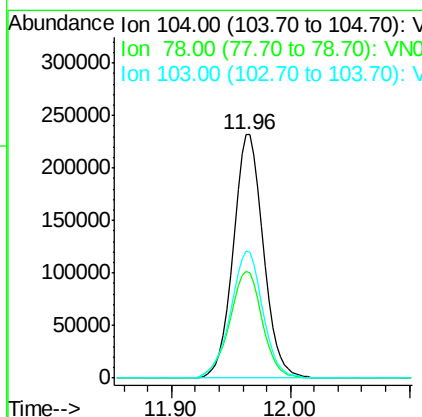
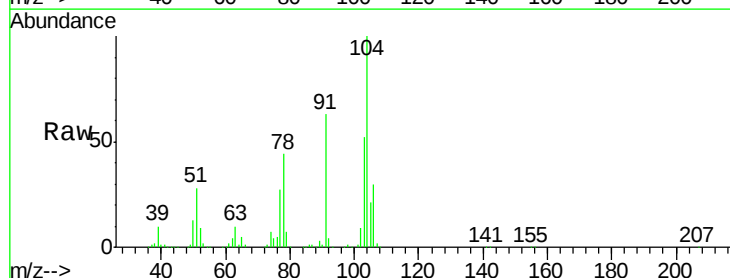
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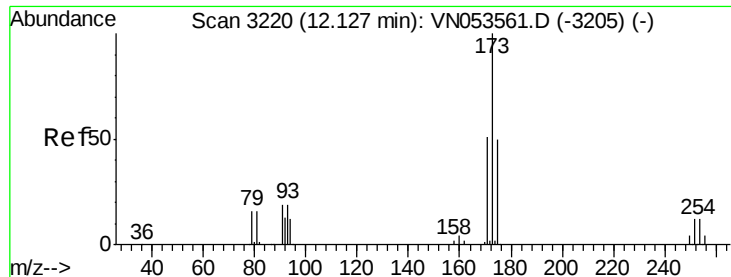
MMDadoda
2/6/2019 12:47:04 PM



#70
Styrene
Concen: 20.208 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		405385		
78	47.9	38.2	57.2		
103	56.0	44.4	66.6		





#71

Bromoform

Concen: 20.419 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

Tot Ion:173 Resp: 99900

Ion Ratio Lower Upper

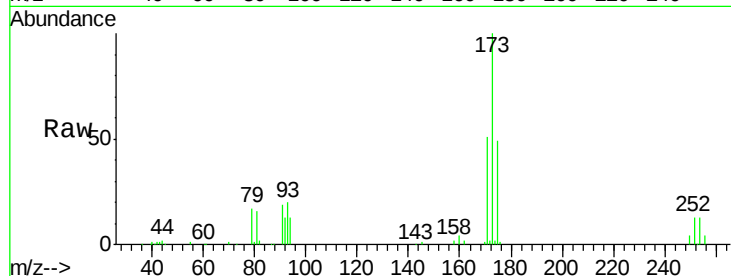
173 100

175 48.6 24.6 74.0

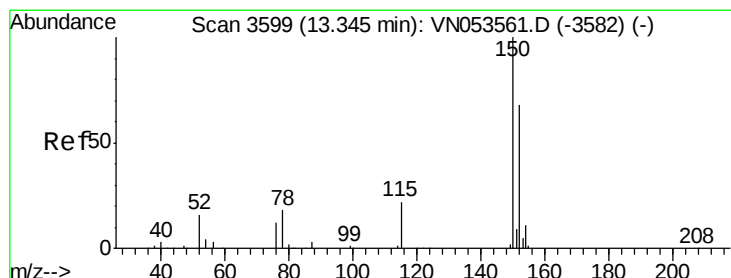
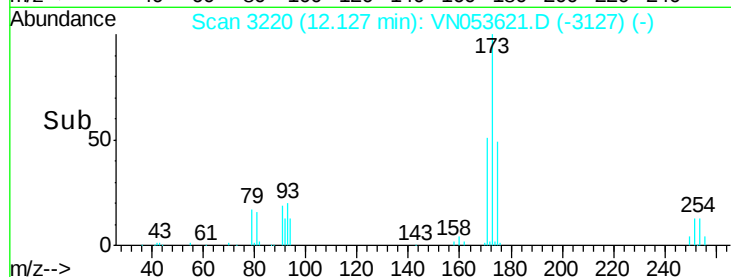
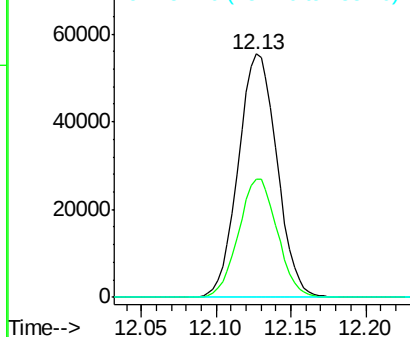
254 0.0 0.2 0.2#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

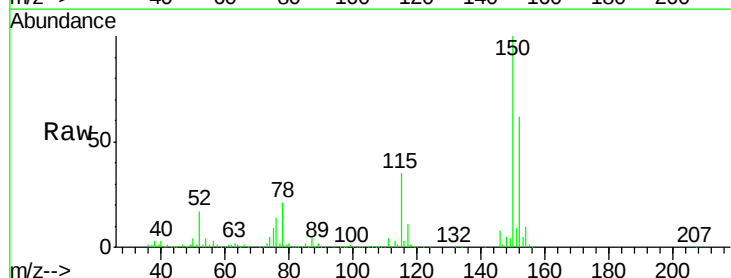
Tgt Ion:152 Resp: 452937

Ion Ratio Lower Upper

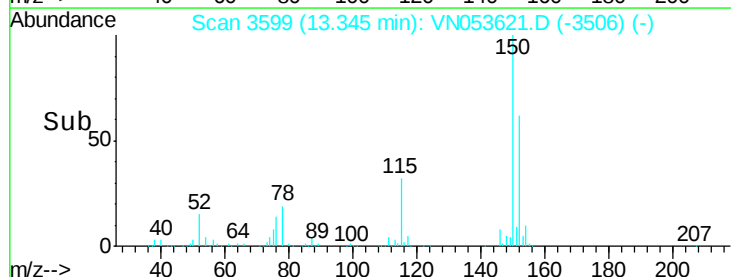
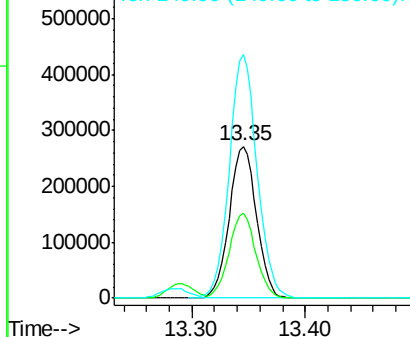
152 100

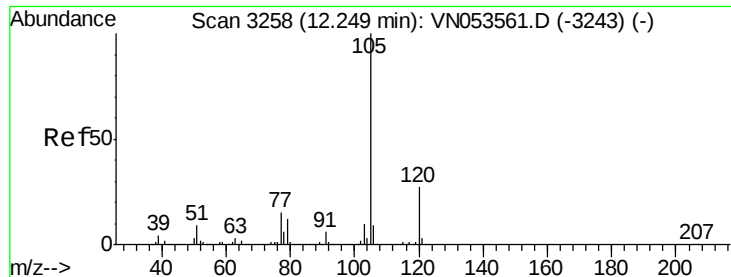
115 54.8 27.8 83.4

150 163.7 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.700 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

Tot Ion: 105 Resp: 659105

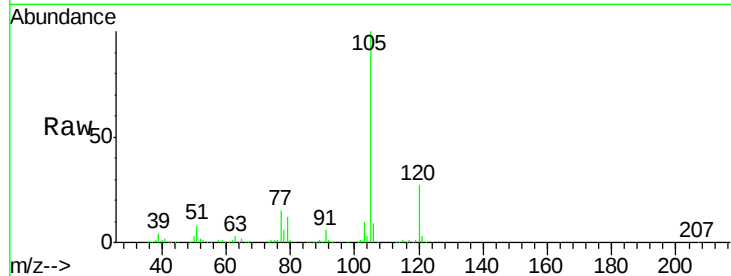
Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7

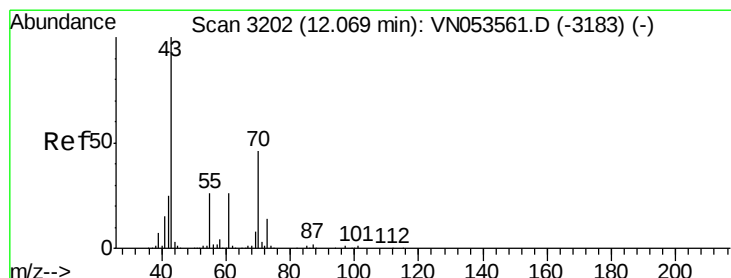
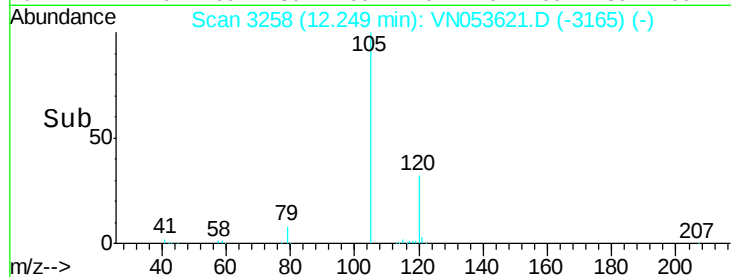
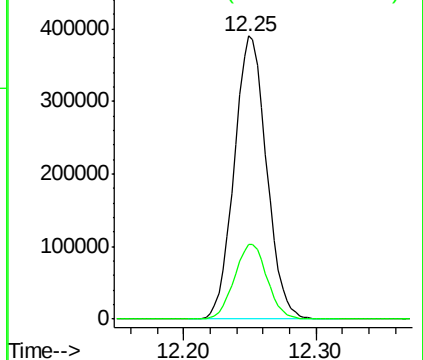
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.439 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Tgt Ion: 43 Resp: 164151

Ion Ratio Lower Upper

43 100

70 45.4 35.4 53.2

55 26.1 20.9 31.3

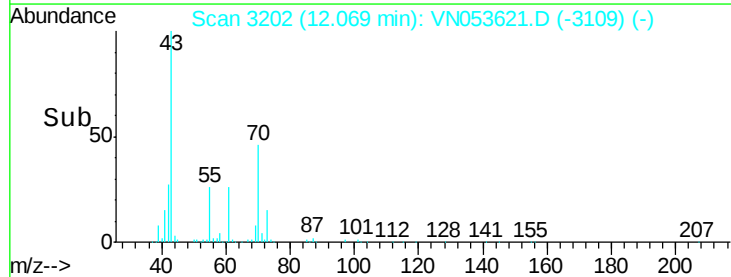
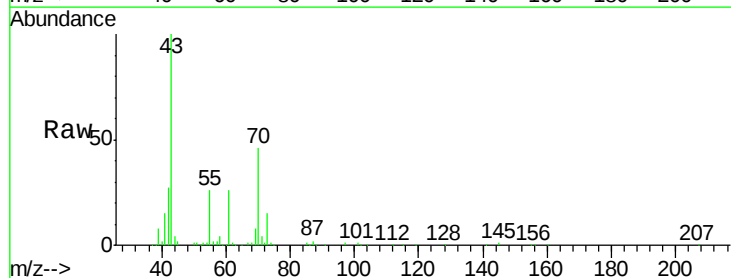
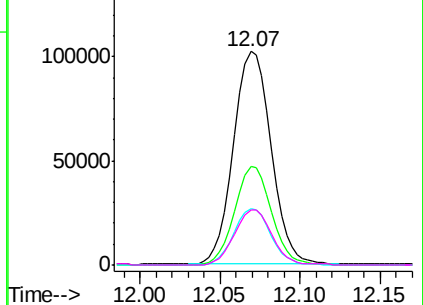
61 25.8 20.5 30.7

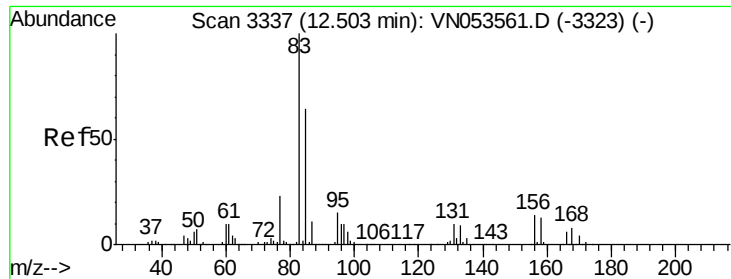
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.539 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

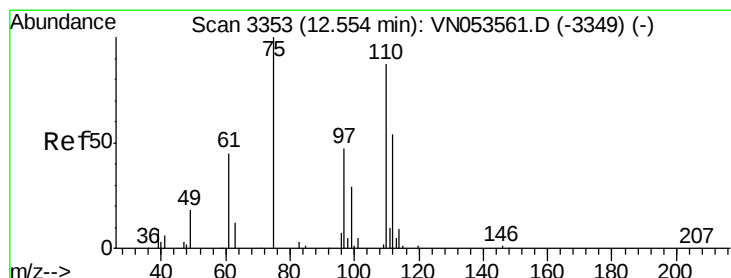
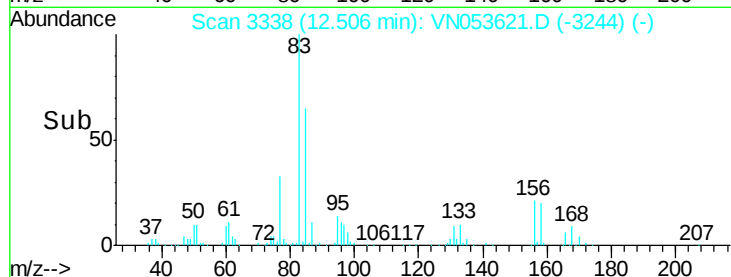
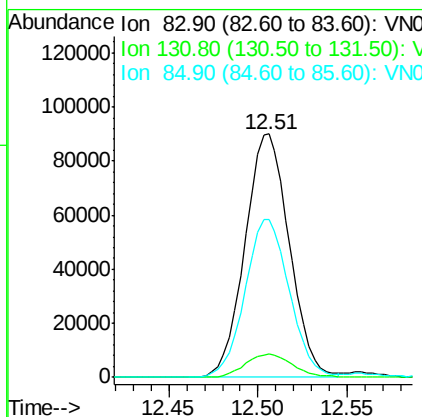
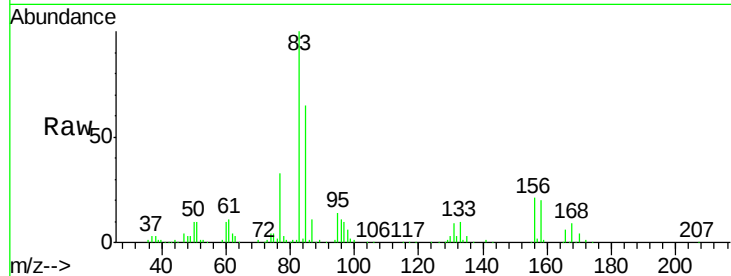
ClientSampleId :

VN0205WBSD01

Tot Ion:	83	Resp:	156512
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	64.8	32.1	96.3

Manual Integrations
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2/6/2019 12:47:04 PM



#76

1,2,3-Trichloropropane

Concen: 20.880 ug/l m

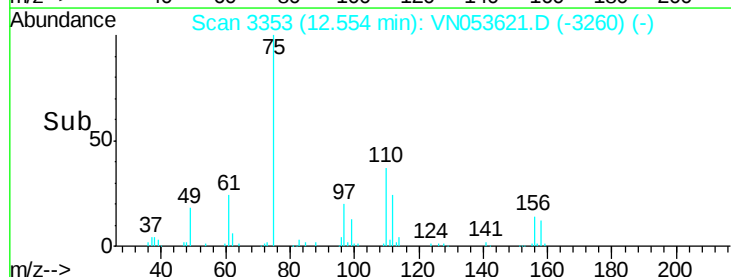
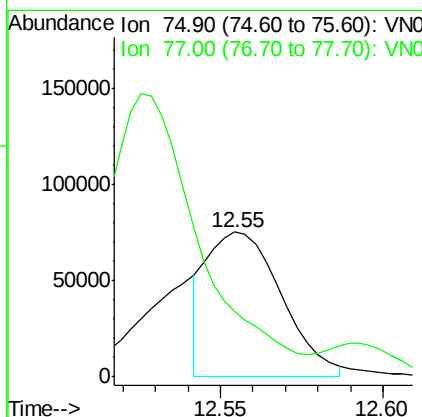
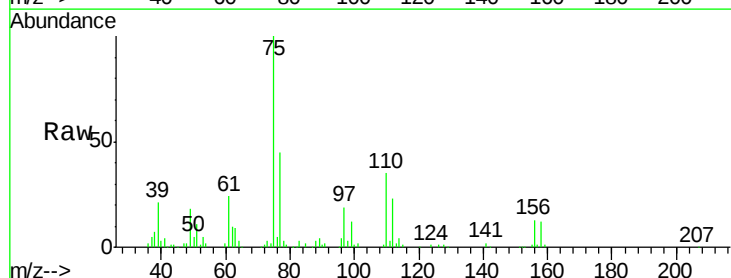
RT: 12.55 min Scan# 3353

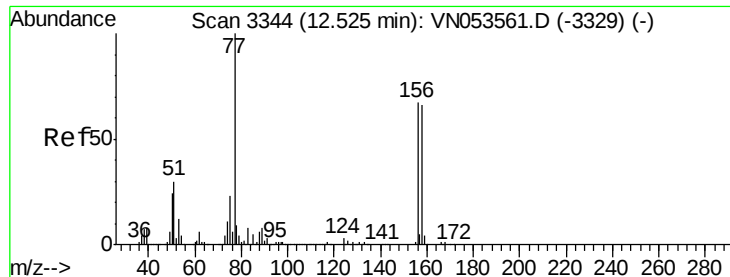
Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Tgt Ion:	75	Resp:	121475
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.547 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

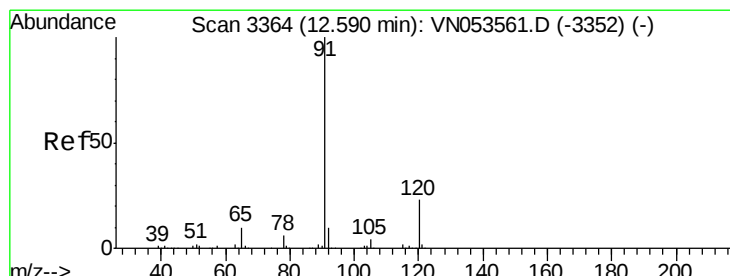
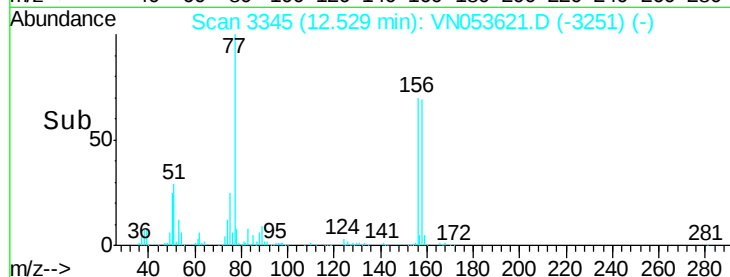
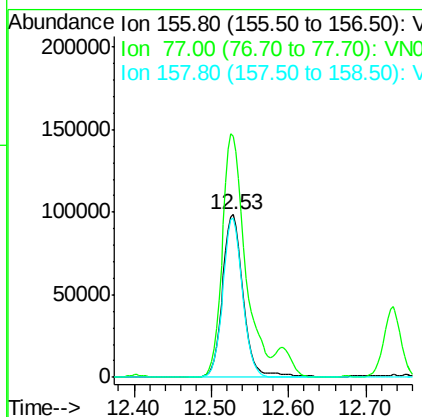
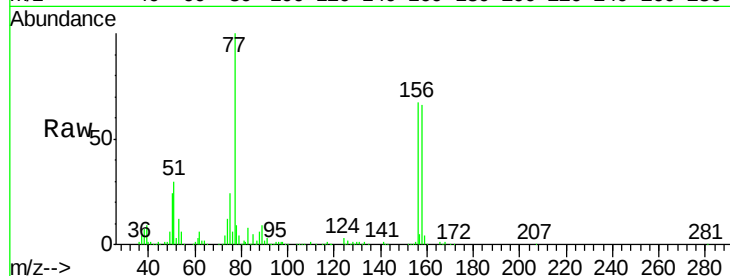
ClientSampleId :

VN0205WBSD01

Tot Ion:	156	Resp:	184901
Ion Ratio	Lower	Upper	
156	100		
77	164.3	87.9	263.8
158	91.5	48.8	146.4

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#78

n-propylbenzene

Concen: 20.489 ug/l

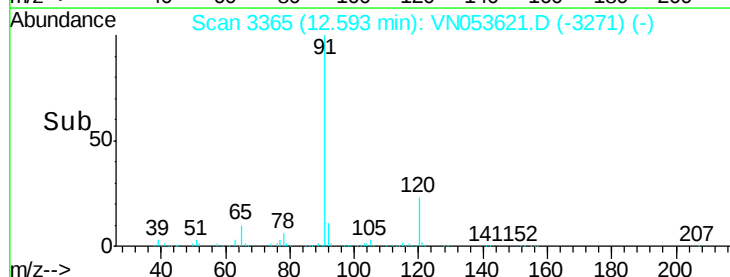
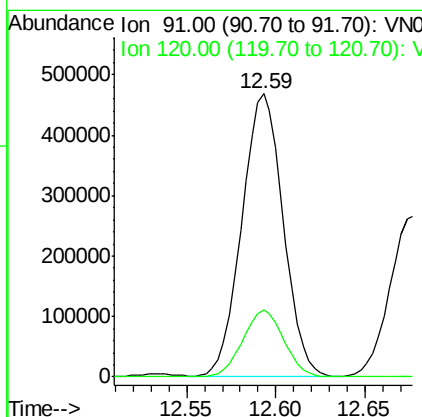
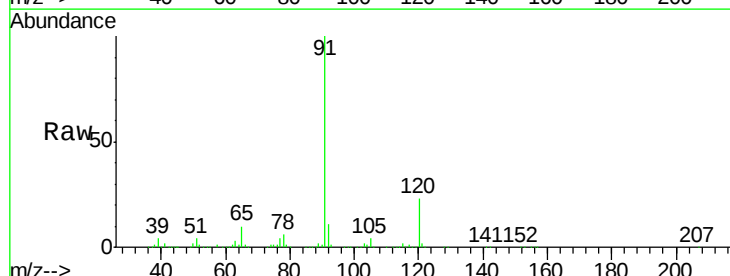
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Tgt Ion:	91	Resp:	754174
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.421 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

VN0205WBSD01

Tot Ion: 91 Resp: 445937

Ion Ratio Lower Upper

91 100

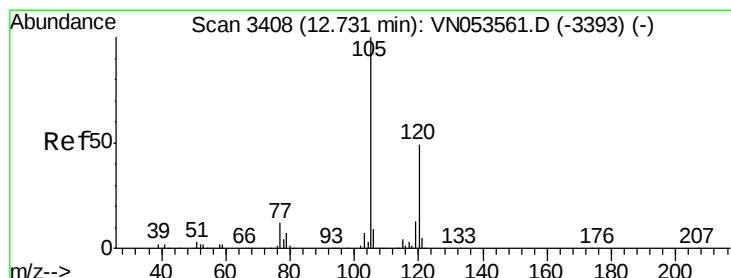
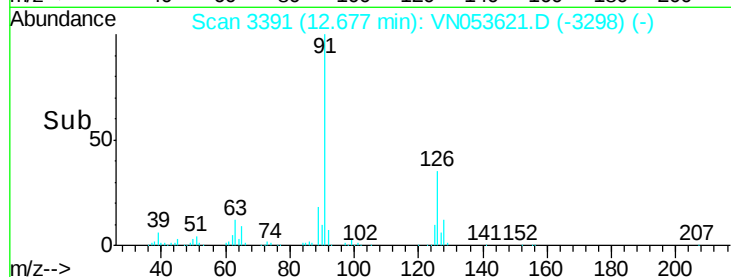
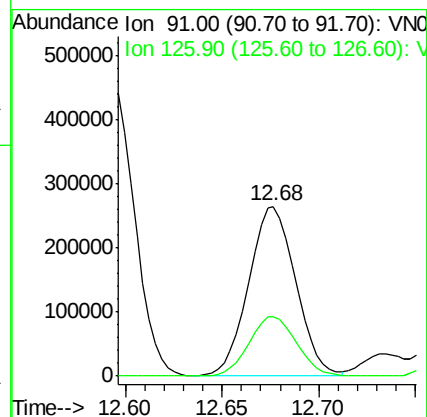
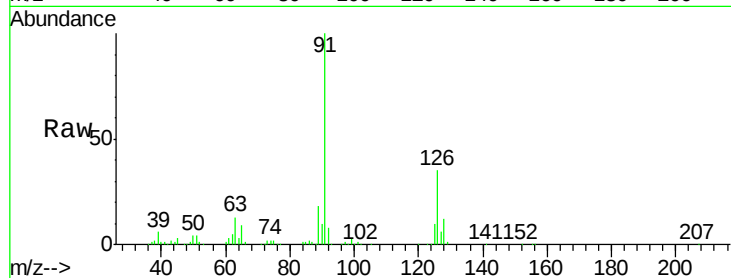
126 35.8 17.9 53.7

Manual Integrations

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2/6/2019 12:47:04 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.121 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053621.D

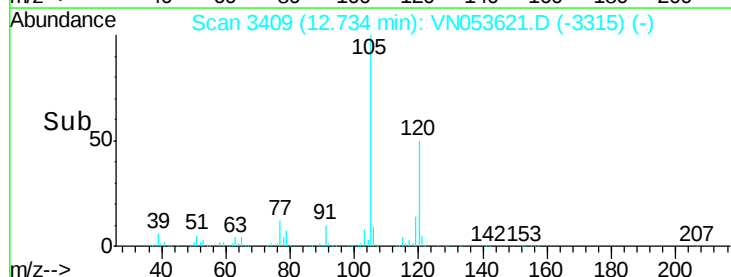
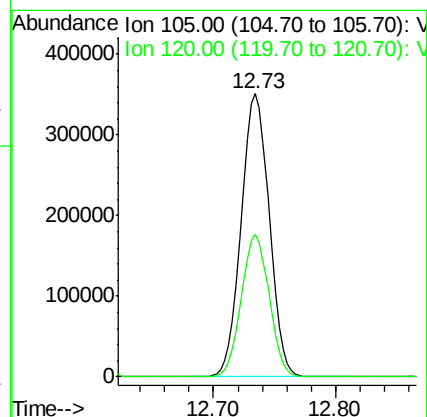
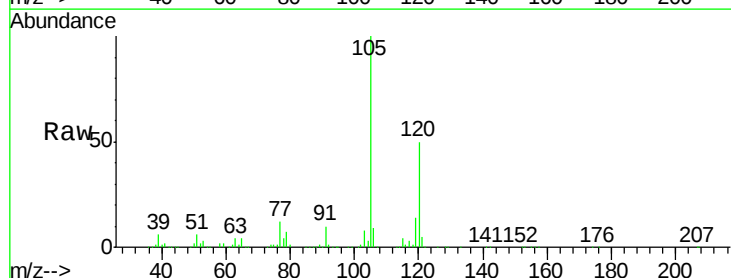
Acq: 5 Feb 2019 15:49

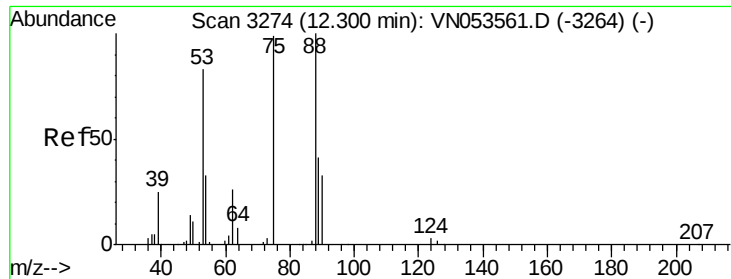
Tgt Ion: 105 Resp: 557676

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





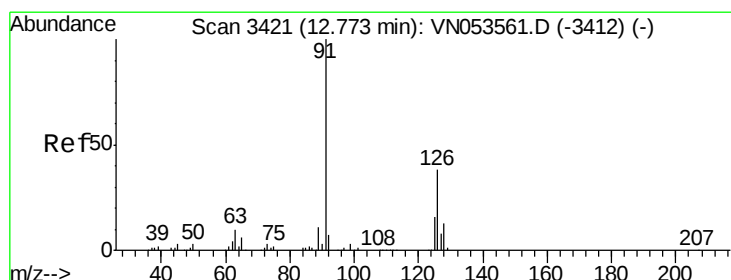
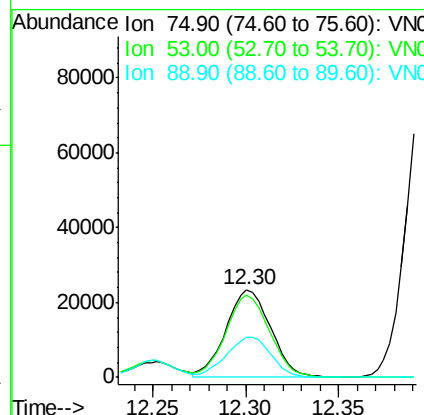
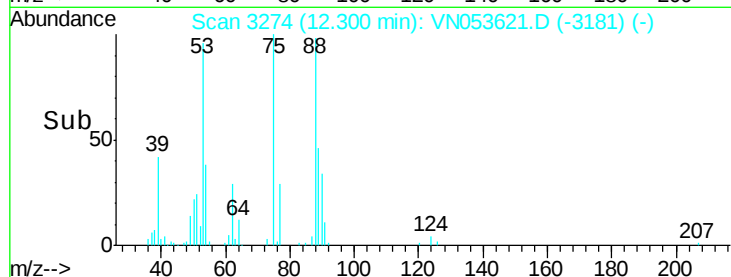
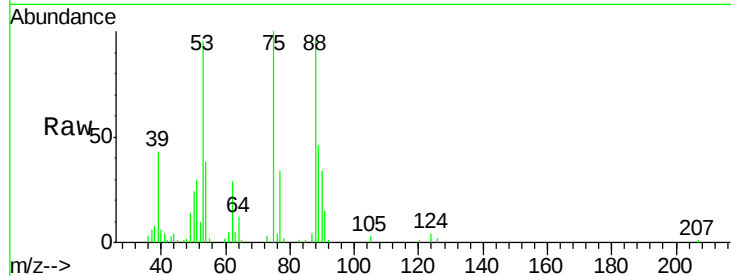
#81
trans-1,4-Dichloro-2-butene
Concen: 18.999 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.6	69.8	104.6
89	45.8	35.6	53.4

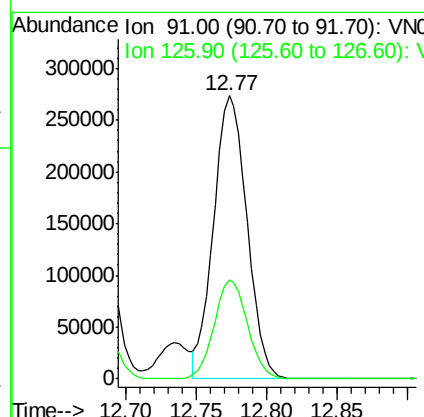
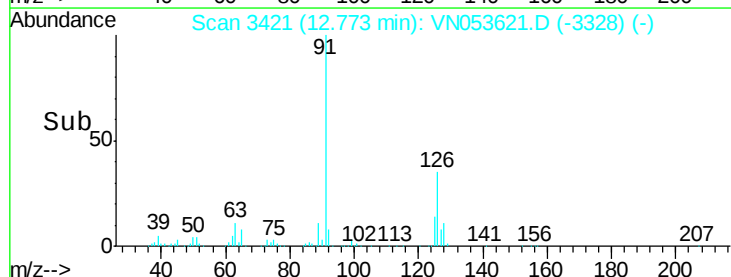
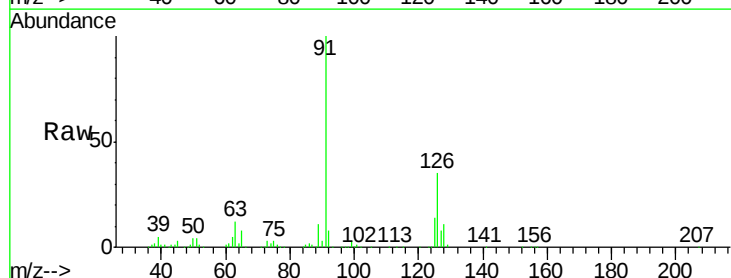
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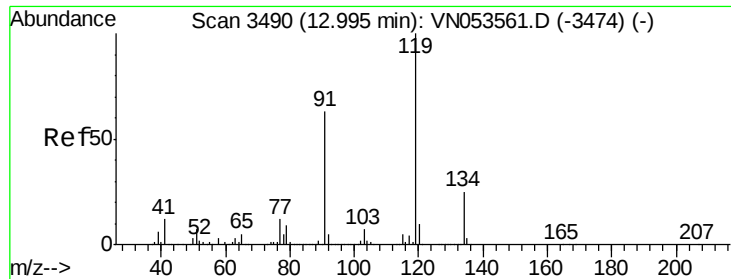
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#82
4-Chlorotoluene
Concen: 20.053 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.6	52.9





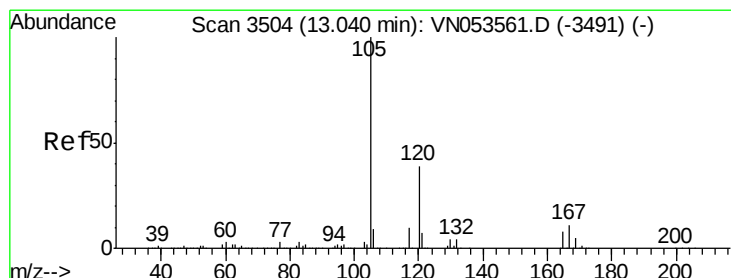
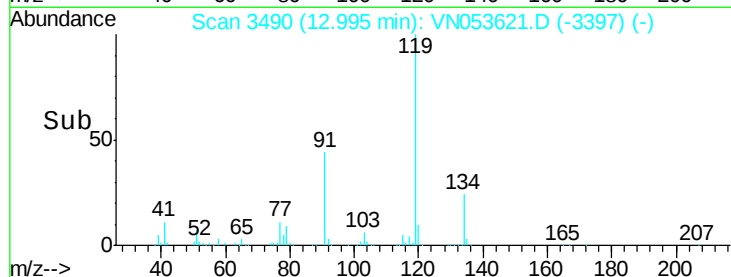
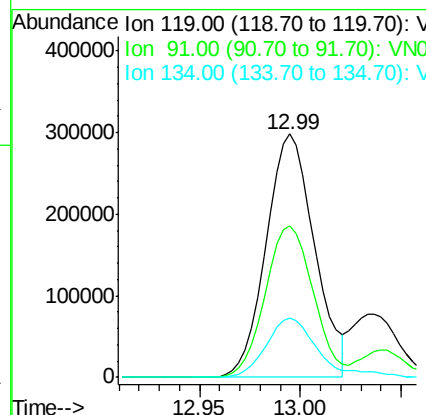
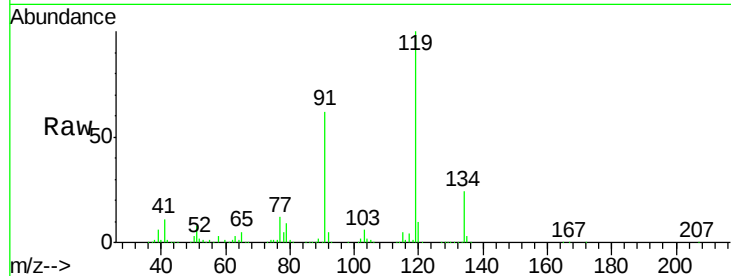
#83
 tert-Butylbenzene
 Concen: 21.317 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	497463		
91	62.3		31.3	93.8
134	26.2		12.9	38.7

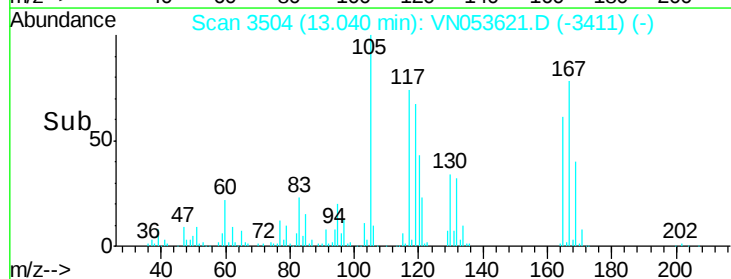
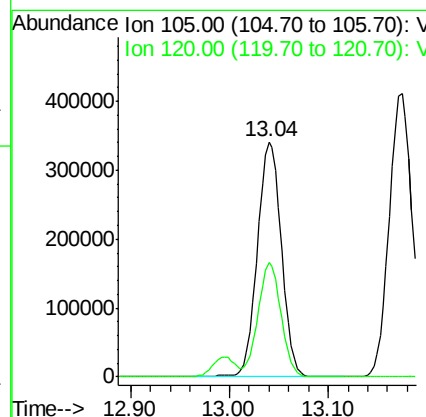
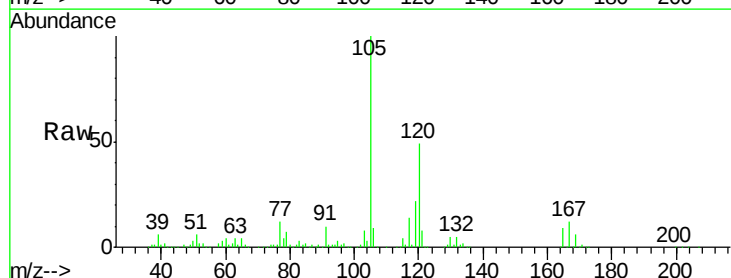
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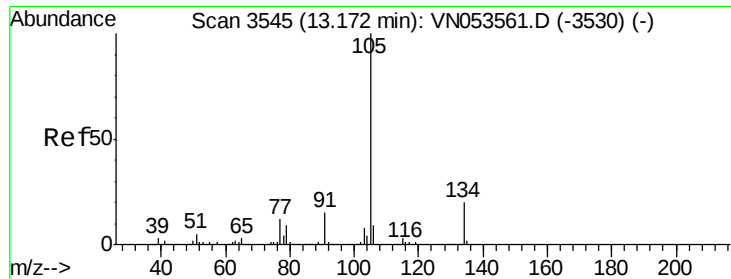
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.165 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	569353		
120	46.9		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.993 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

Tot Ion:105 Resp: 666673

Ion Ratio Lower Upper

105 100

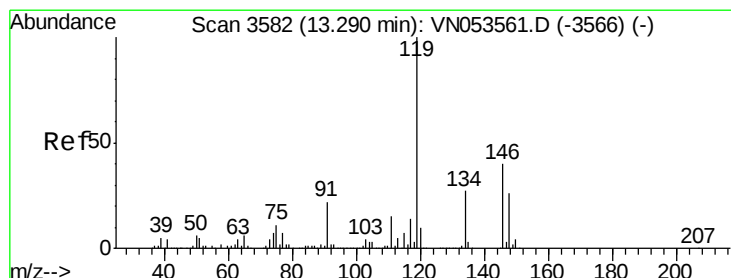
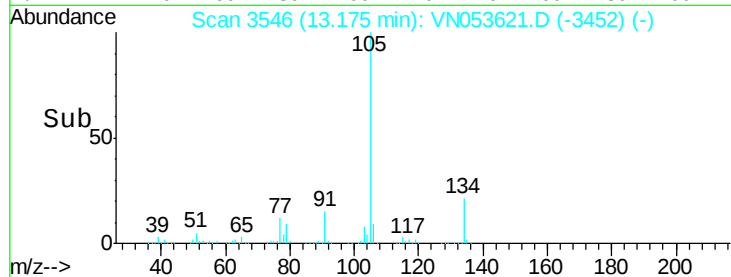
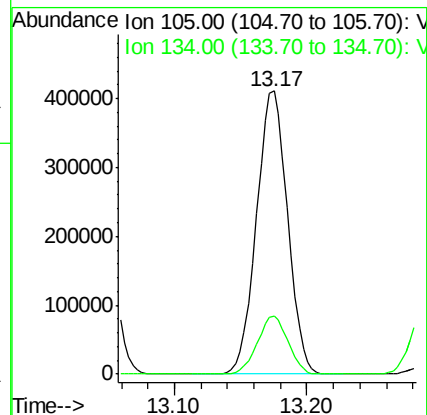
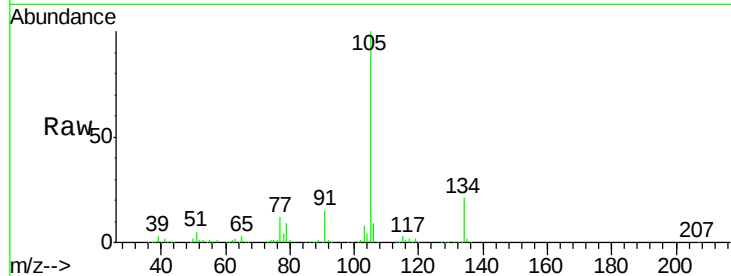
134 20.3 10.2 30.6

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2/6/2019 12:47:04 PM



#86

p-Isopropyltoluene

Concen: 20.767 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

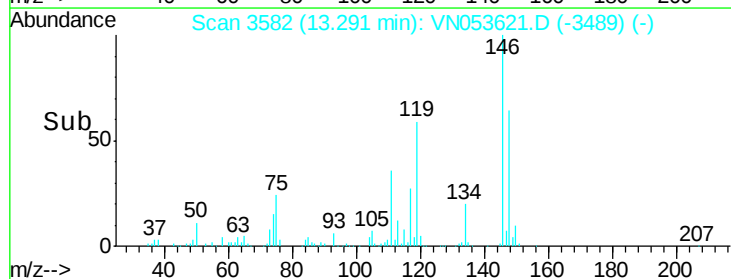
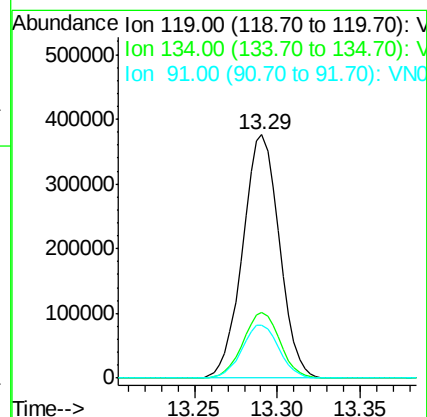
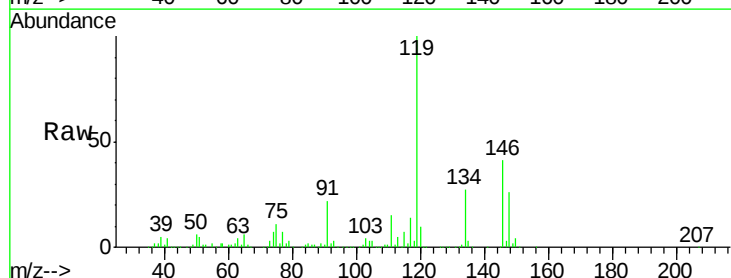
Tgt Ion:119 Resp: 576776

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.9 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 19.552 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

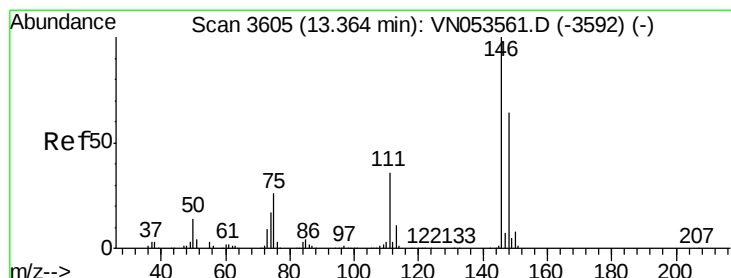
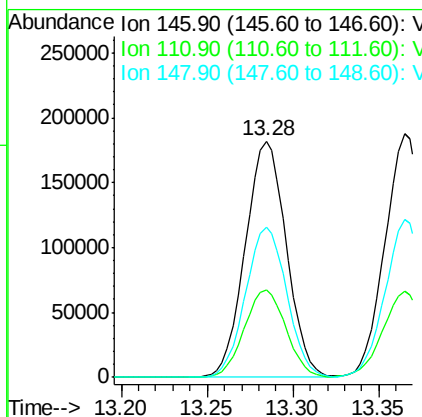
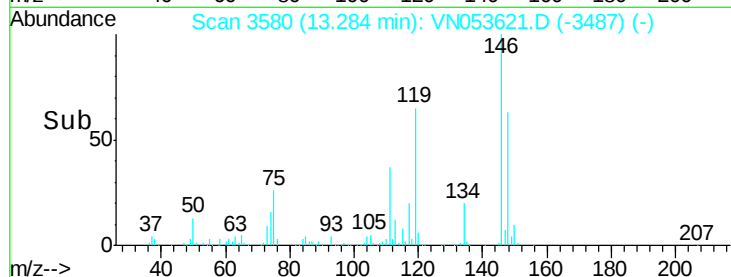
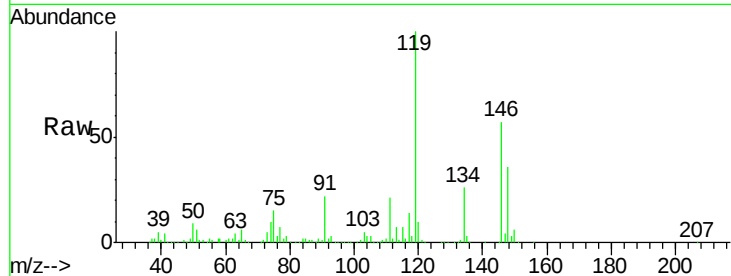
ClientSampled :

VN0205WBSD01

Tot Ion:	146	Resp:	301621
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.8	56.3
148	63.7	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 19.727 ug/l

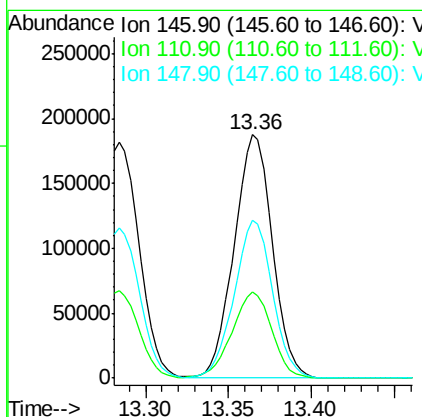
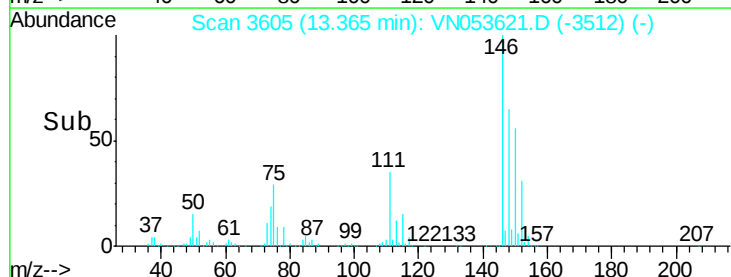
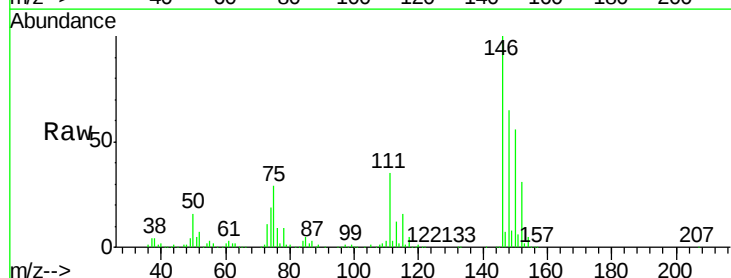
RT: 13.36 min Scan# 3605

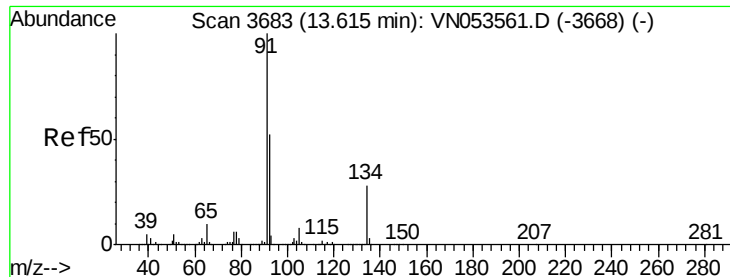
Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Tgt Ion:	146	Resp:	301021
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.6	55.8
148	64.7	32.4	97.0





#89

n-Butylbenzene

Concen: 19.930 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

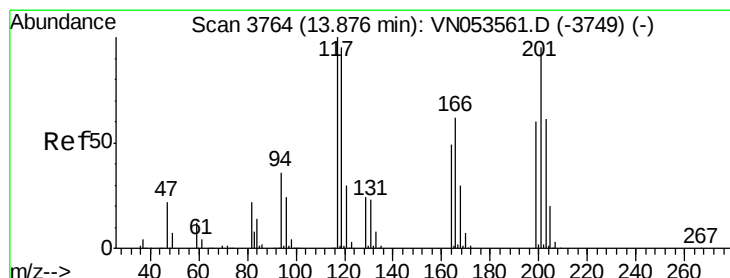
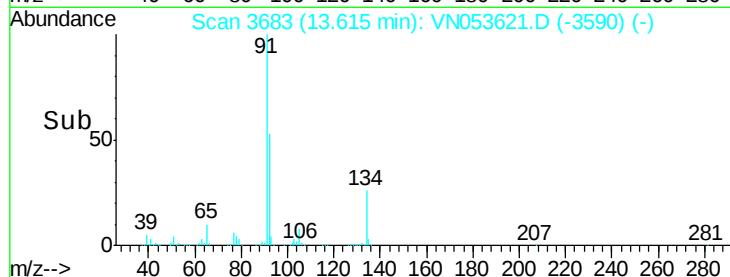
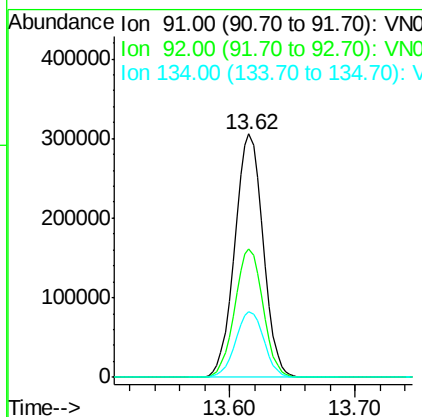
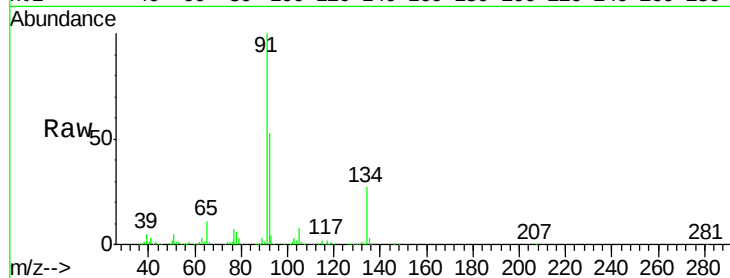
ClientSampled :

VN0205WBSD01

Tot Ion:	91	Resp:	479120
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	27.1	13.5	40.5

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#90

Hexachloroethane

Concen: 20.564 ug/l

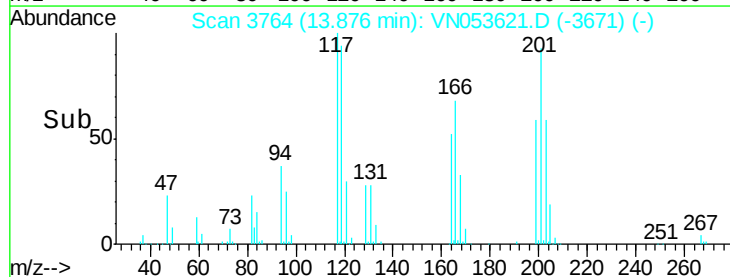
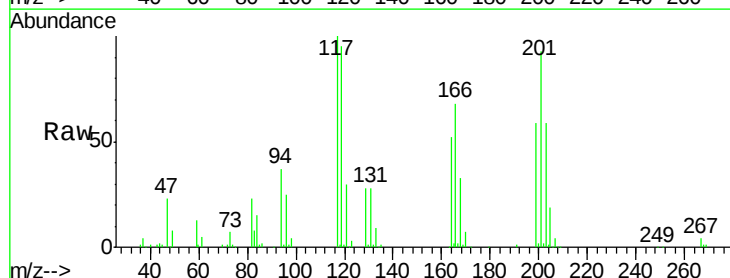
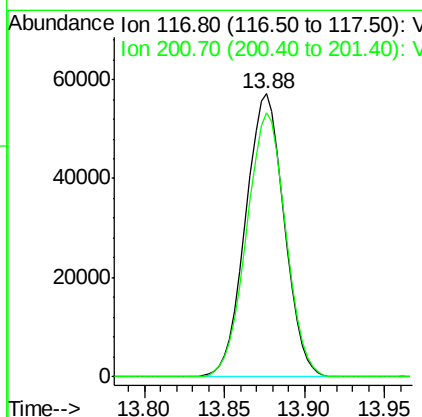
RT: 13.88 min Scan# 3764

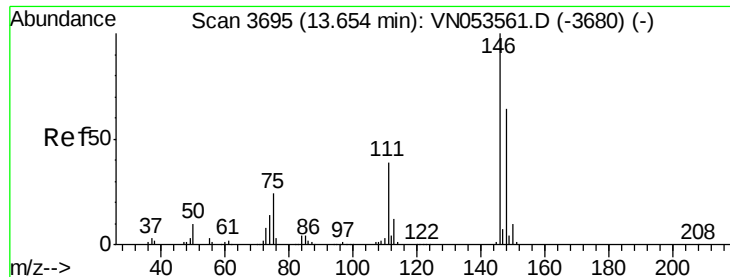
Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Tgt Ion:	117	Resp:	94205
Ion	Ratio	Lower	Upper
117	100		
201	94.5	46.8	140.4





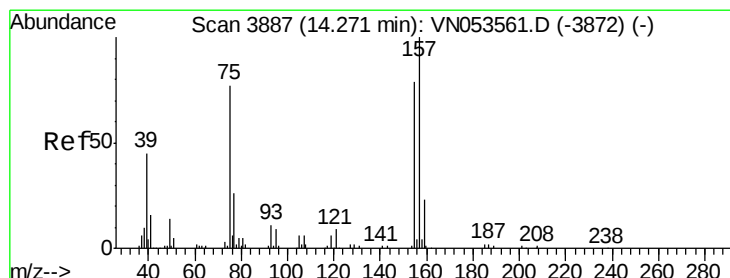
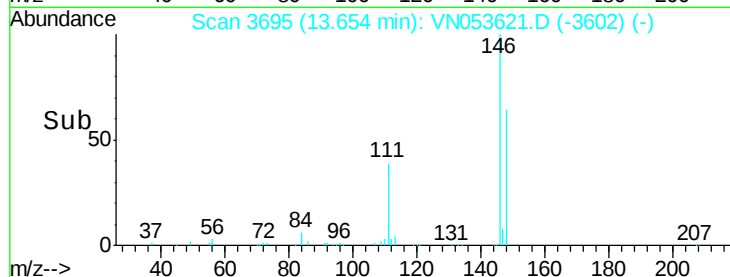
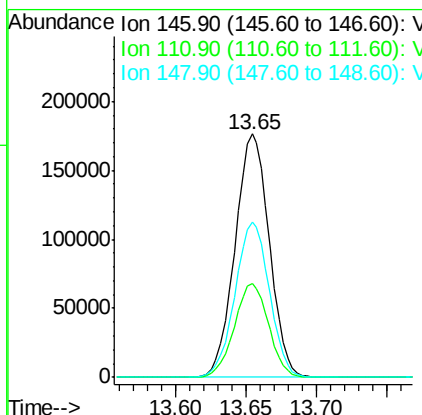
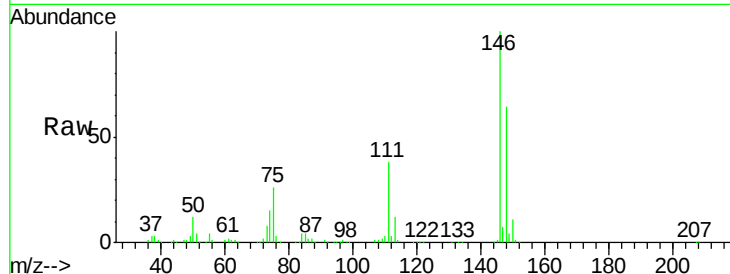
#91
 1,2-Dichlorobenzene
 Concen: 20.320 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.5	58.5
148	64.0	31.9	95.9

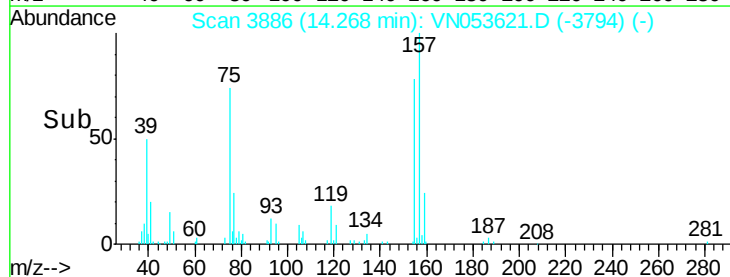
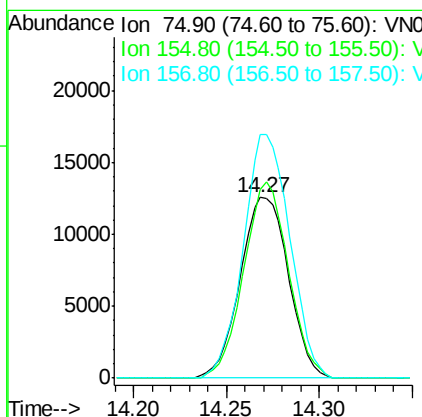
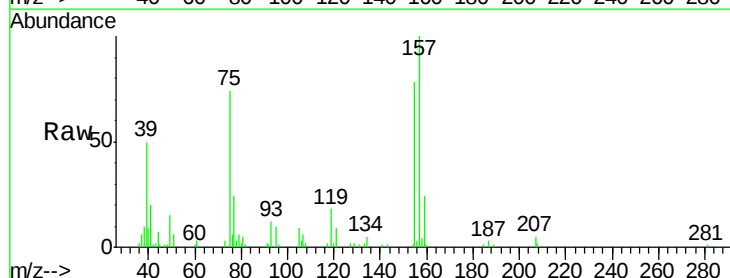
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.009 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	48.9	146.7
157	130.2	63.7	191.3





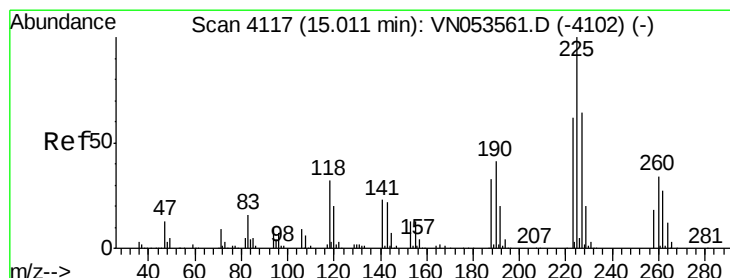
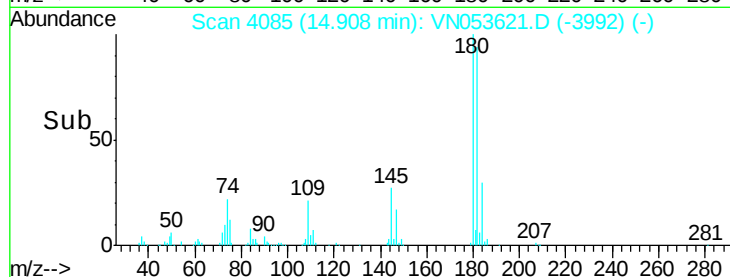
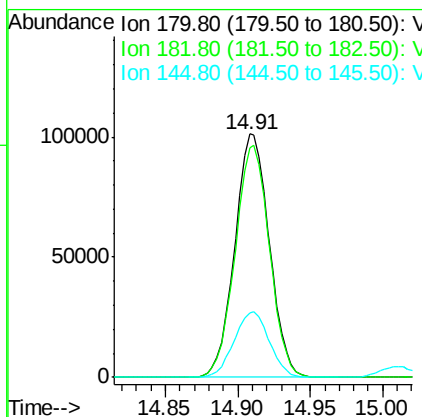
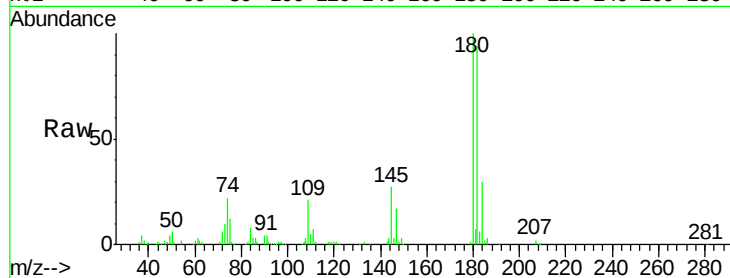
#93
 1,2,4-Trichlorobenzene
 Concen: 19.702 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	166874		
182	94.9	48.1	144.3	
145	27.5	13.9	41.6	

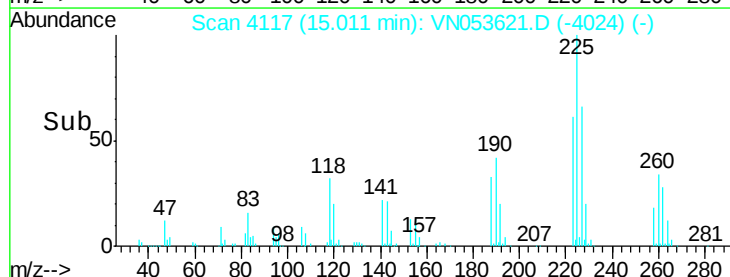
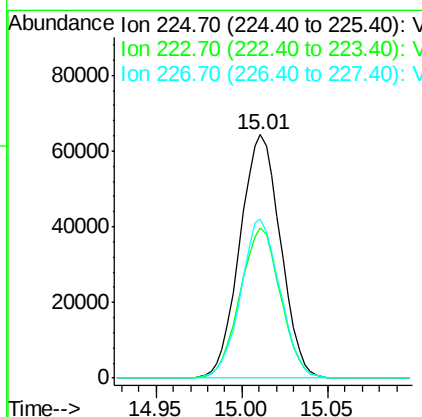
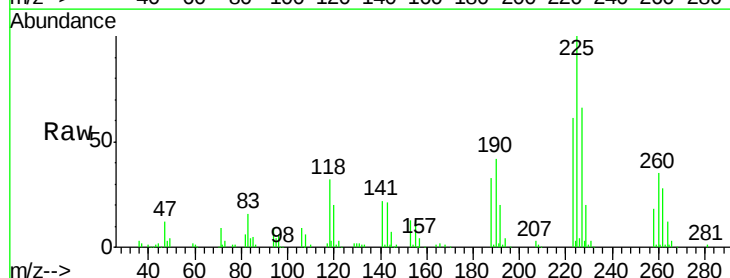
Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 12:47:04 PM



#94
 Hexachlorobutadiene
 Concen: 19.949 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105225		
223	61.5	31.1	93.2	
227	63.2	32.0	96.2	





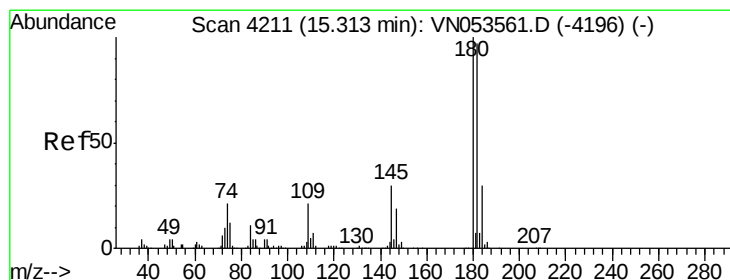
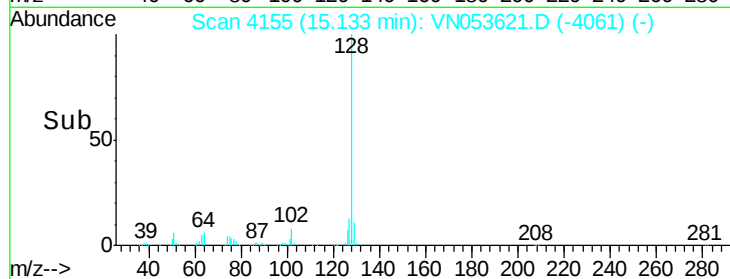
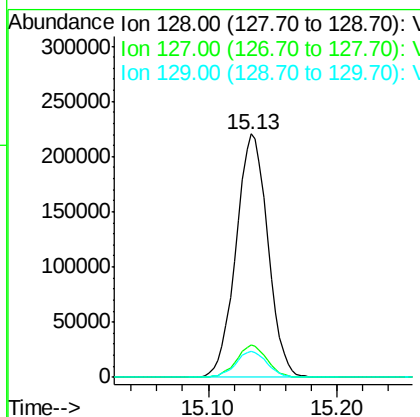
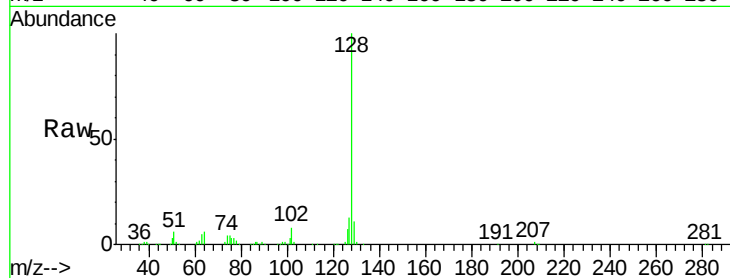
#95
Naphthalene
Concen: 20.078 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/6/2019 12:47:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.210 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.8
145	29.6	14.7	44.1

