

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050257.D
 Acq On : 2 Aug 2018 12:24
 Operator : MD\SY
 Sample : VN0802WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:36:06 AM

Quant Time: Aug 02 15:20:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	701856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1007298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	926892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	483116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	477374	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
35) Dibromofluoromethane	7.59	113	427833	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
50) Toluene-d8	10.09	98	1587557	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
62) 4-Bromofluorobenzene	12.40	95	533145	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	208629	20.688	ug/l	97
3) Chloromethane	2.06	50	194757	17.767	ug/l	99
4) Vinyl Chloride	2.18	62	214939	18.619	ug/l	97
5) Bromomethane	2.56	94	70944	10.270	ug/l	95
6) Chloroethane	2.70	64	128692	18.563	ug/l	100
7) Trichlorofluoromethane	3.01	101	298292	19.947	ug/l	98
8) Diethyl Ether	3.41	74	104633	20.988	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	189650	21.089	ug/l	100
10) Methyl Iodide	3.95	142	83920	7.271	ug/l	99
11) Tert butyl alcohol	4.80	59	80438	111.639	ug/l	100
12) 1,1-Dichloroethene	3.73	96	159441	19.710	ug/l	99
13) Acrolein	3.61	56	67847	117.200	ug/l	95
14) Allyl chloride	4.32	41	259127	20.659	ug/l	99
15) Acrylonitrile	4.99	53	339833	108.106	ug/l	99
16) Acetone	3.82	43	291936	124.383	ug/l	98
17) Carbon Disulfide	4.05	76	429946	17.349	ug/l	99
18) Methyl Acetate	4.33	43	235286	25.425	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	474480	22.010	ug/l	99
20) Methylene Chloride	4.55	84	191080	21.287	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	170865	19.934	ug/l	97
22) Diisopropyl ether	5.96	45	569493	22.898	ug/l	98
23) Vinyl Acetate	5.90	43	1806919	102.806	ug/l	99
24) 1,1-Dichloroethane	5.85	63	339483	20.874	ug/l	100
25) 2-Butanone	6.84	43	417720	111.835	ug/l	97
26) 2,2-Dichloropropane	6.82	77	281864	22.782	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	196627	21.310	ug/l	99
28) Bromochloromethane	7.19	49	156103	21.044	ug/l	99
29) Tetrahydrofuran	7.21	42	264114	109.427	ug/l	99
30) Chloroform	7.37	83	349486	21.058	ug/l	98
31) Cyclohexane	7.65	56	271320	20.075	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	297037	20.924	ug/l	100
36) 1,1-Dichloropropene	7.79	75	250212	22.048	ug/l	100
37) Ethyl Acetate	6.93	43	172720	21.829	ug/l	100
38) Carbon Tetrachloride	7.77	117	260141	21.603	ug/l	100

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Quant Time: Aug 02 15:20:10 2018
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 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	251932	21.579	ug/l	96
40) Benzene	8.04	78	756301	21.901	ug/l	98
41) Methacrylonitrile	7.18	41	86663	22.622	ug/l	88
42) 1,2-Dichloroethane	8.13	62	248187	21.542	ug/l	100
43) Isopropyl Acetate	8.17	43	331796	21.605	ug/l #	91
44) Trichloroethene	8.84	130	197677	21.303	ug/l	99
45) 1,2-Dichloropropane	9.12	63	205542	22.472	ug/l	97
46) Dibromomethane	9.21	93	125039	22.016	ug/l	99
47) Bromodichloromethane	9.40	83	265556	22.154	ug/l	99
48) Methyl methacrylate	9.20	41	155243	22.782	ug/l	99
49) 1,4-Dioxane	9.20	88	46291	499.173	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	916105	117.778	ug/l	99
52) Toluene	10.16	92	472479	23.178	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	259832	22.971	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	294753	22.801	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	185303	22.918	ug/l	99
56) Ethyl methacrylate	10.43	69	223773	21.631	ug/l	100
57) 1,3-Dichloropropane	10.71	76	302153	22.949	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	442028	91.962	ug/l	99
59) 2-Hexanone	10.75	43	631743	113.418	ug/l	98
60) Dibromochloromethane	10.90	129	204701	22.866	ug/l	99
61) 1,2-Dibromoethane	11.01	107	178433	22.242	ug/l	99
64) Tetrachloroethene	10.63	164	187181	21.005	ug/l	99
65) Chlorobenzene	11.44	112	511720	21.856	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	197579	21.963	ug/l	99
67) Ethyl Benzene	11.51	91	860058	22.868	ug/l	99
68) m/p-Xylenes	11.62	106	674904	47.442	ug/l	99
69) o-Xylene	11.95	106	321041	23.673	ug/l	98
70) Styrene	11.97	104	514761	21.872	ug/l	100
71) Bromoform	12.13	173	147307	22.510	ug/l #	100
73) Isopropylbenzene	12.25	105	862029	23.007	ug/l	100
74) N-amyl acetate	12.07	43	248932	21.738	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	240456	23.075	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	186572m	20.780	ug/l	
77) Bromobenzene	12.53	156	224155	21.585	ug/l	99
78) n-propylbenzene	12.59	91	992348	23.695	ug/l	100
79) 2-Chlorotoluene	12.68	91	595481	22.941	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	710528	24.108	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	62442	22.059	ug/l	99
82) 4-Chlorotoluene	12.77	91	608770	23.683	ug/l	100
83) tert-Butylbenzene	12.99	119	611919	23.792	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	737973	24.842	ug/l	98
85) sec-Butylbenzene	13.17	105	828958	24.122	ug/l	100
86) p-Isopropyltoluene	13.29	119	717245	24.769	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	388021	22.041	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	381165	22.214	ug/l	99
89) n-Butylbenzene	13.62	91	556443	23.368	ug/l	100
90) Hexachloroethane	13.88	117	136206	21.183	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	383361	21.785	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36633	21.480	ug/l	98

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ClientSampleId :
VN0802WBS01

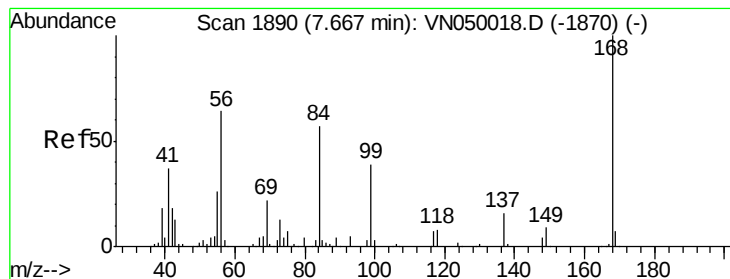
Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:36:06 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	172389	20.417	ug/l	98
94) Hexachlorobutadiene	15.01	225	123188	22.866	ug/l	100
95) Naphthalene	15.14	128	354611	19.068	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	174583	20.564	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS01

Tot Ion:168 Resp: 701856

Ion Ratio Lower Upper

168 100

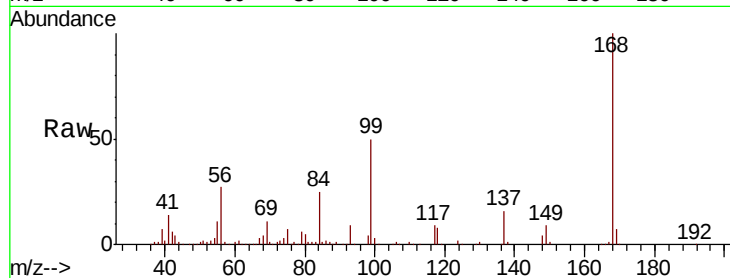
99 49.9 40.0 60.0

Manual Integrations

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8/3/2018 9:36:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

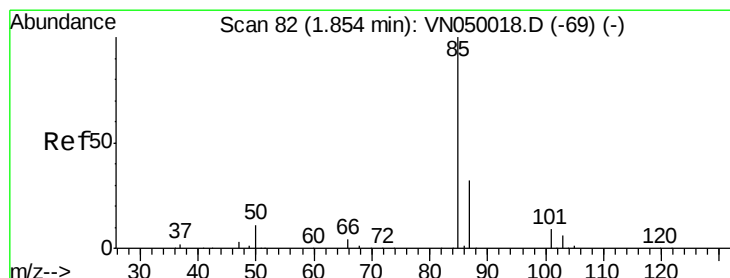
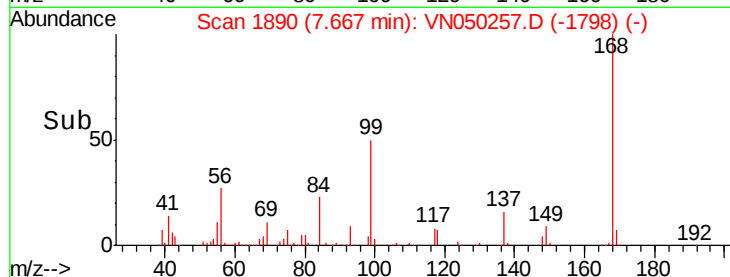
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.688 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050257.D

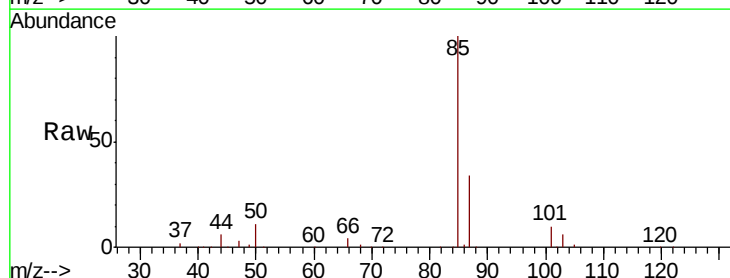
Acq: 2 Aug 2018 12:24

Tgt Ion: 85 Resp: 208629

Ion Ratio Lower Upper

85 100

87 33.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

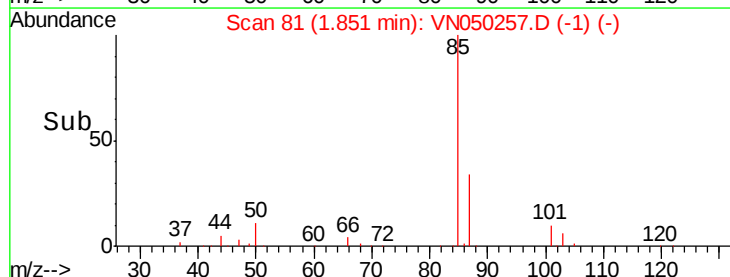
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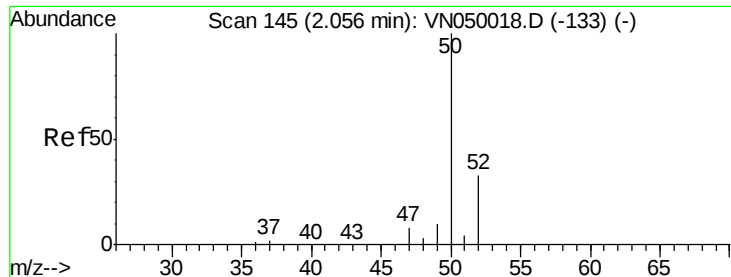
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.767 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0802WBS01

Tot Ion: 50 Resp: 194757

Ion Ratio Lower Upper

50 100

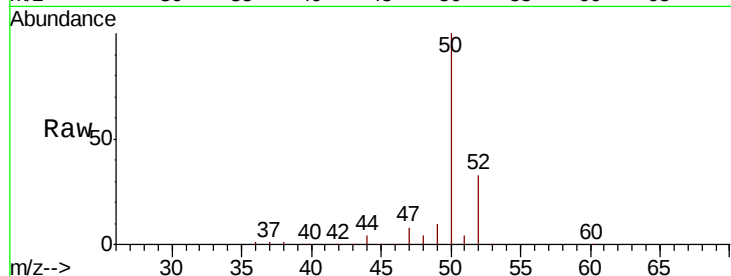
52 33.0 25.9 38.9

Manual Integrations

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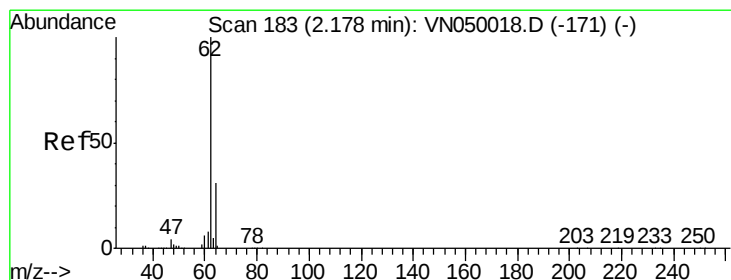
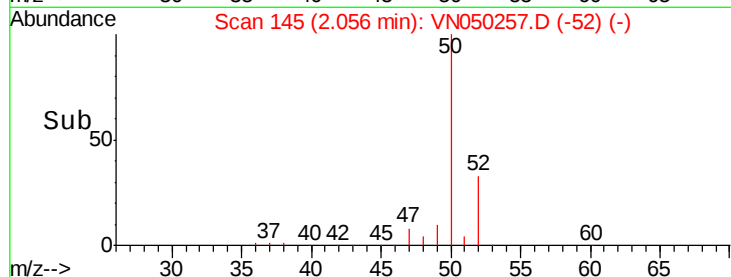
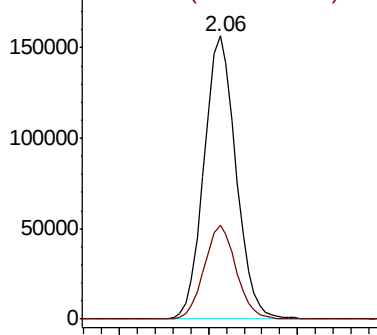
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.619 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050257.D

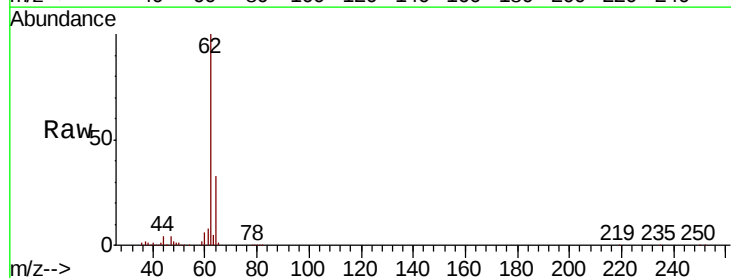
Acq: 2 Aug 2018 12:24

Tgt Ion: 62 Resp: 214939

Ion Ratio Lower Upper

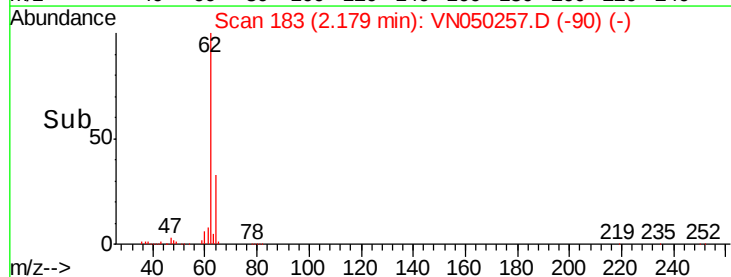
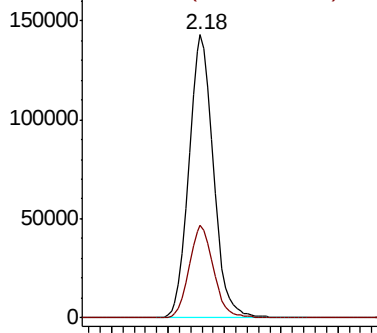
62 100

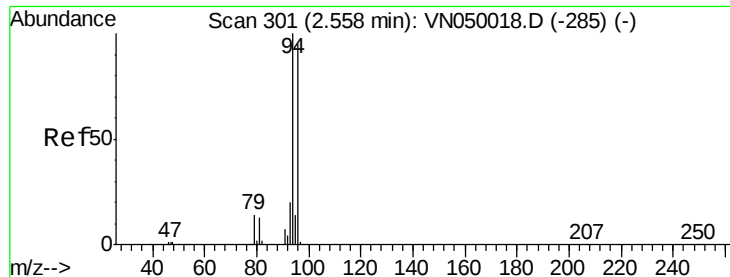
64 32.7 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 10.270 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS01

Tot Ion: 94 Resp: 70944

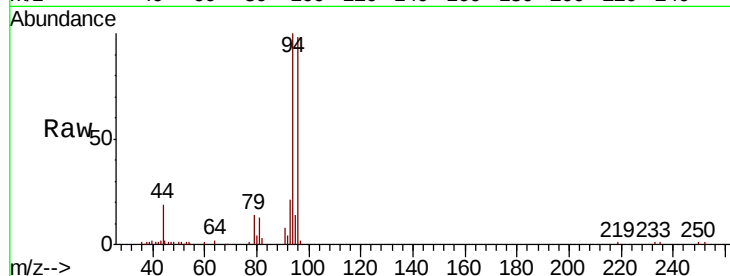
Ion Ratio Lower Upper

94 100

96 97.7 74.6 112.0

Manual Integrations
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8/3/2018 9:36:06 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

40000

30000

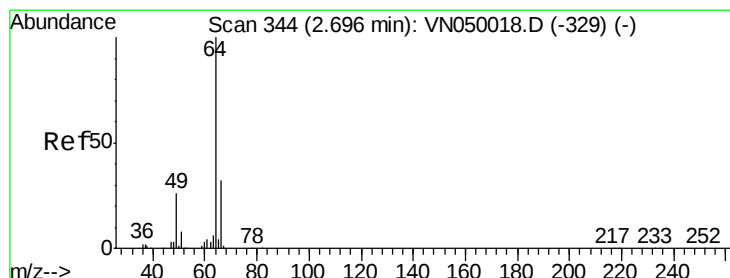
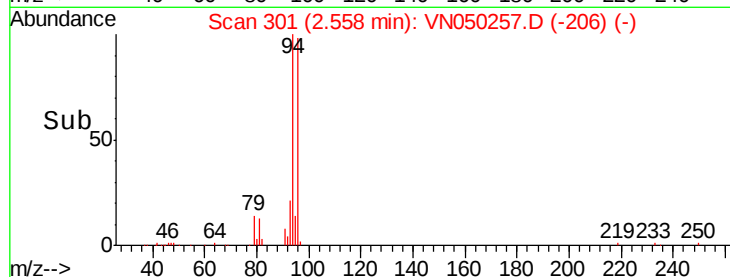
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.563 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050257.D

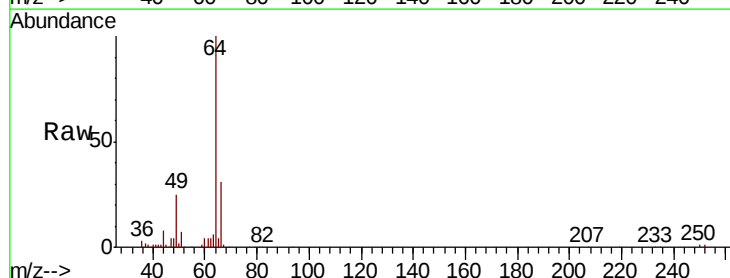
Acq: 2 Aug 2018 12:24

Tgt Ion: 64 Resp: 128692

Ion Ratio Lower Upper

64 100

66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

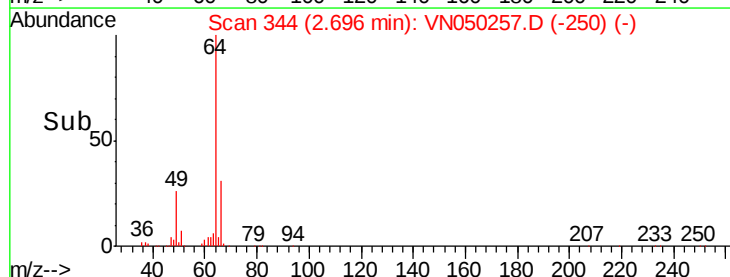
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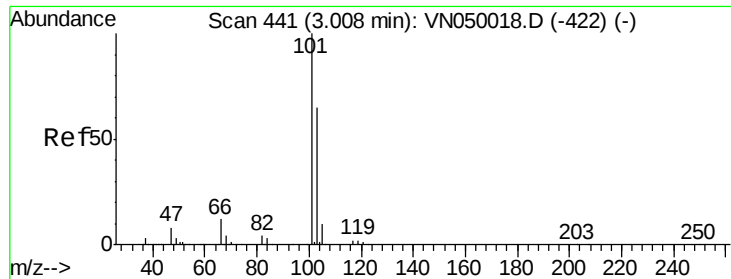
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Time-->

2.60 2.65 2.70 2.75 2.80





#7

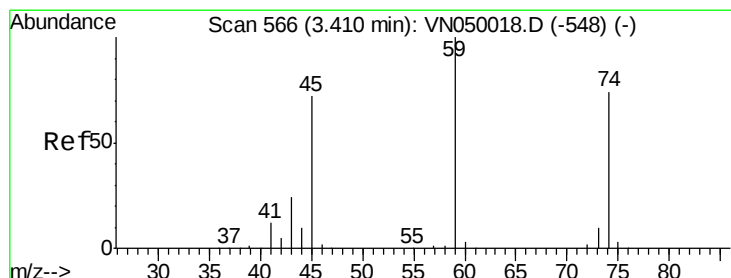
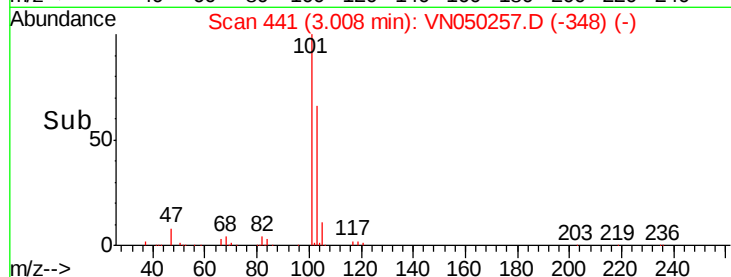
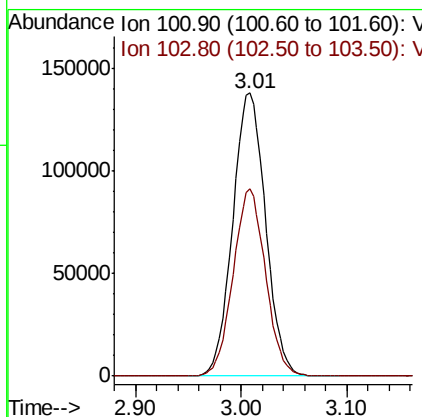
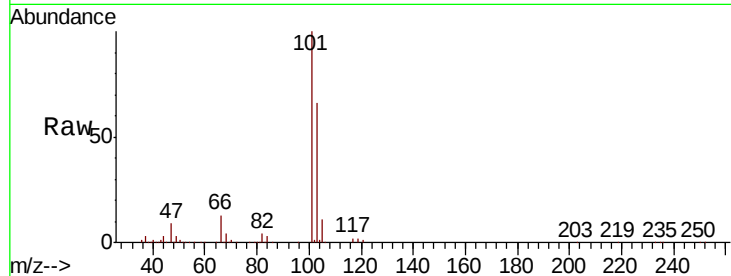
Trichlorofluoromethane
Concen: 19.947 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.7	77.5

Manual Integrations
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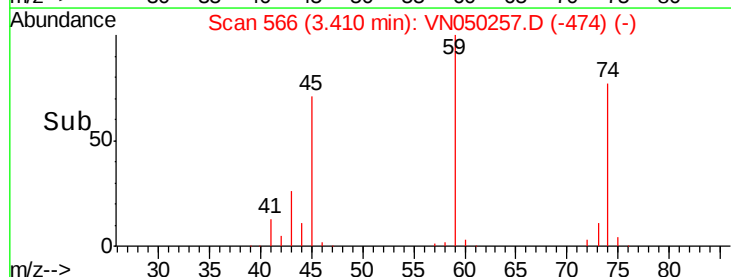
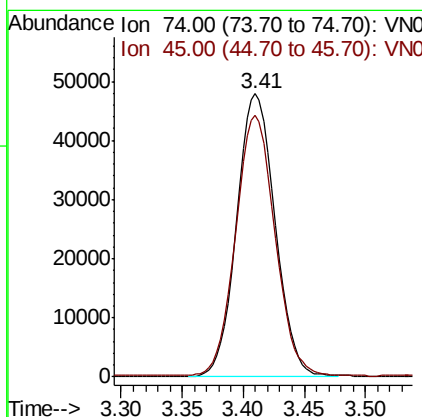
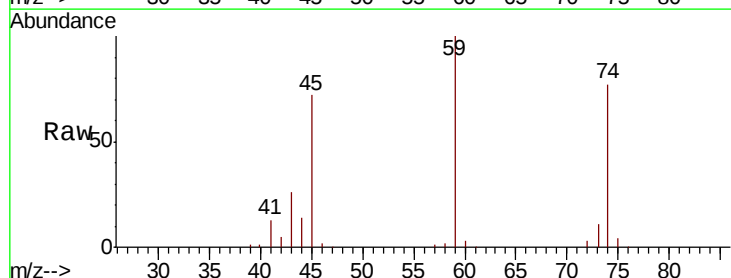
MMDadoda
8/3/2018 9:36:06 AM

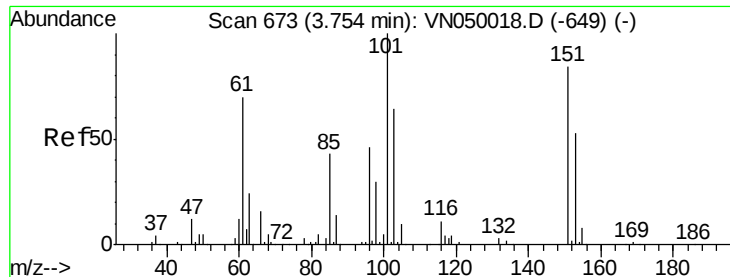


#8

Diethyl Ether
Concen: 20.988 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.089 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

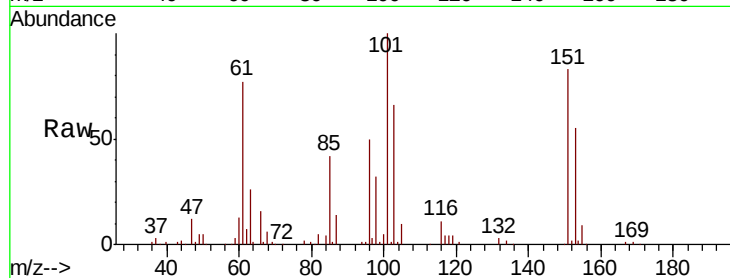
ClientSampleId :

VN0802WBS01

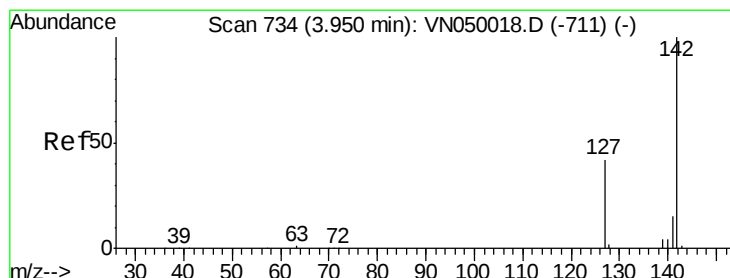
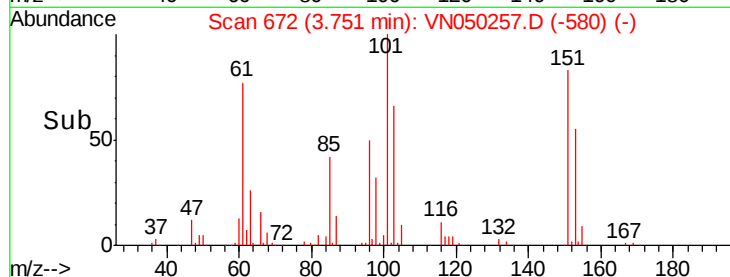
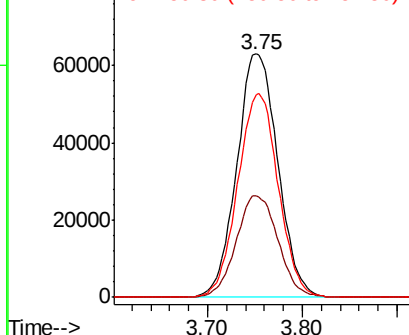
Tot Ion:	101	Resp:	189650
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.2
151	82.7	66.3	99.5

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



#10

Methyl Iodide

Concen: 7.271 ug/l

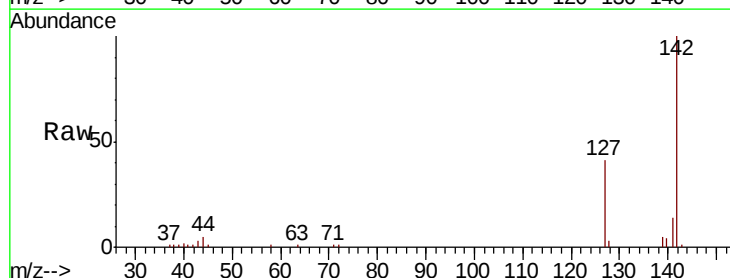
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

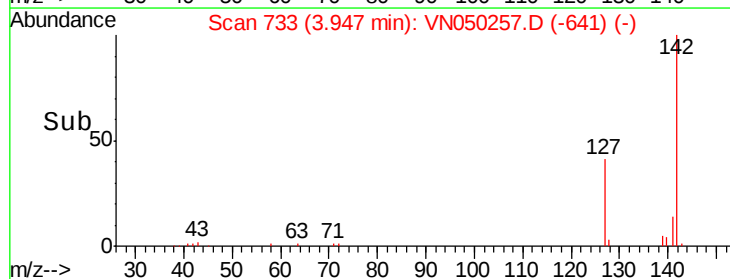
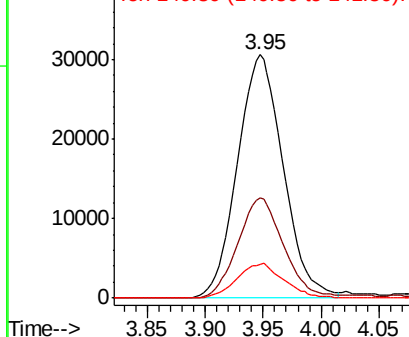
Lab File: VN050257.D

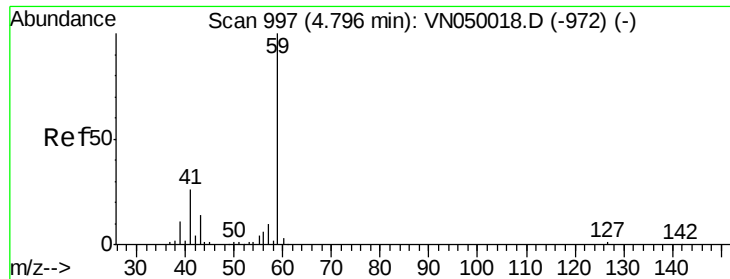
Acq: 2 Aug 2018 12:24

Tgt Ion:	142	Resp:	83920
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.4	50.2
141	14.6	11.6	17.4



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





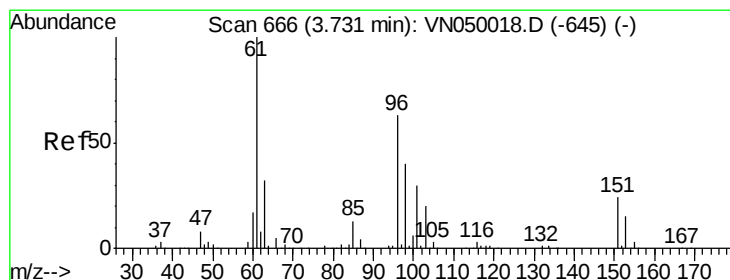
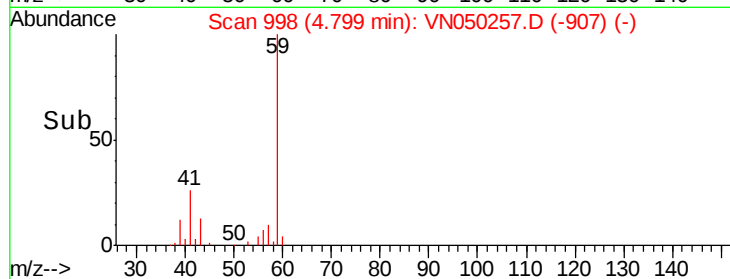
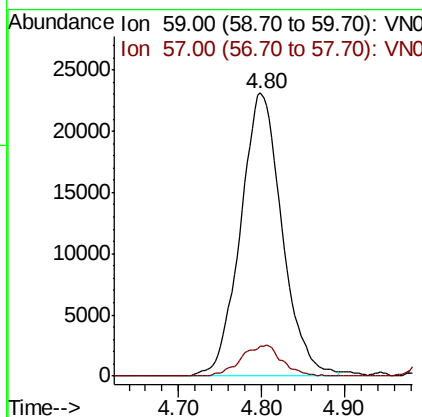
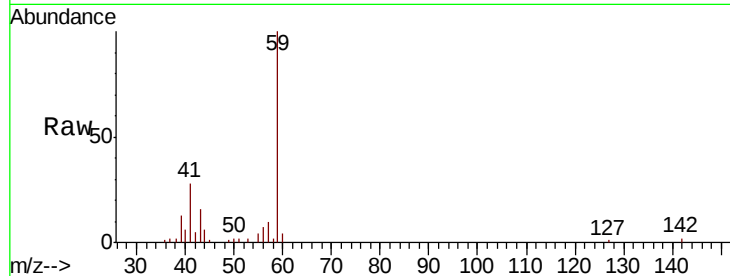
#11
Tert butyl alcohol
Concen: 111.639 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampled :
VN0802WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

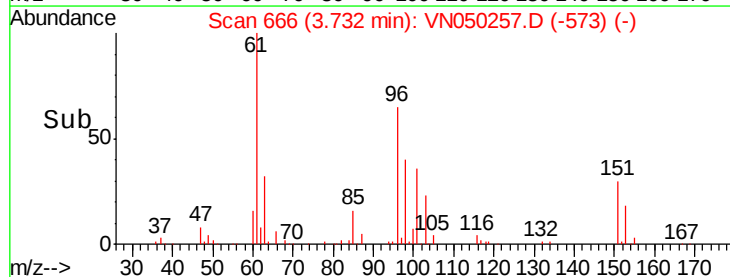
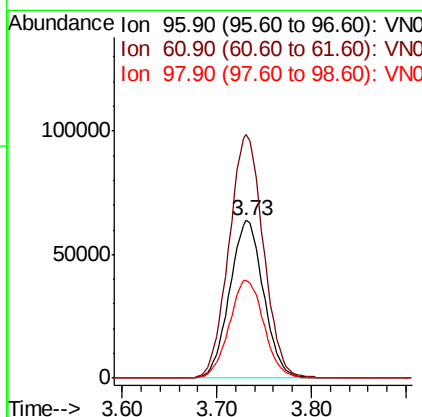
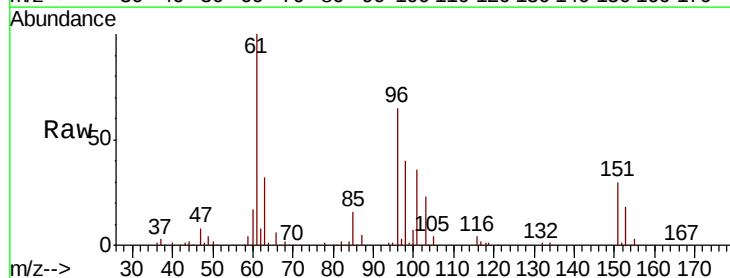
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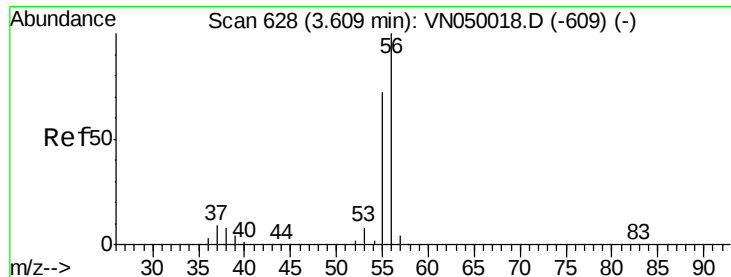
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.710 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.4	124.4	186.6
98	62.2	48.3	72.5





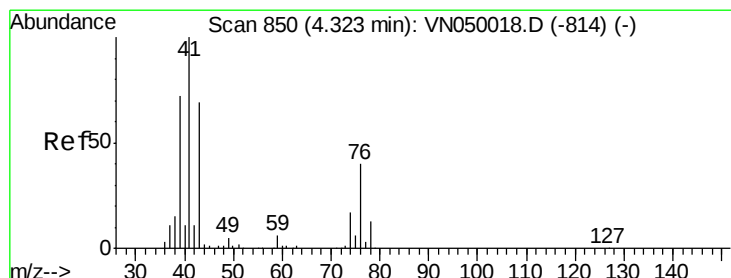
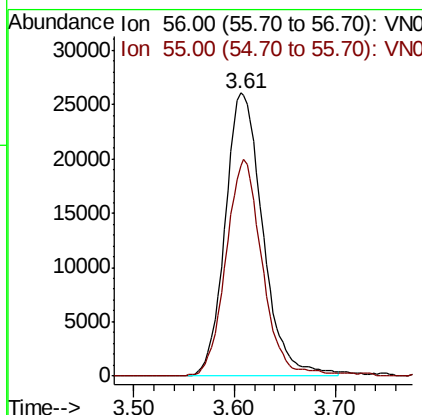
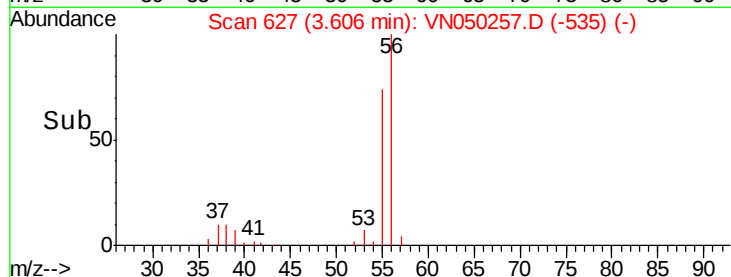
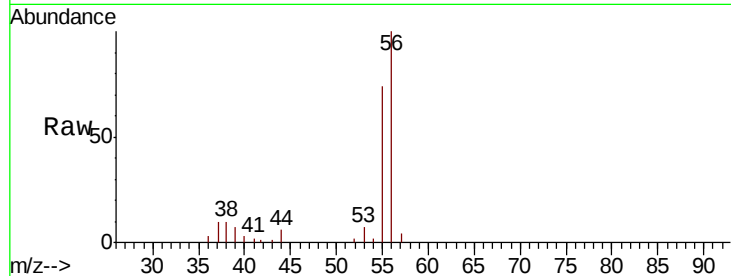
#13
Acrolein
Concen: 117.200 ug/l
RT: 3.61 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS01

Tot Ion: 56 Resp: 67847
Ion Ratio Lower Upper
56 100
55 74.2 55.8 83.6

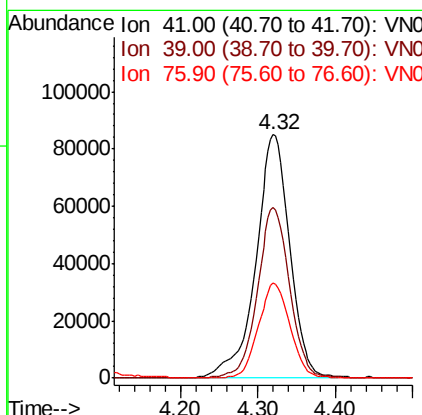
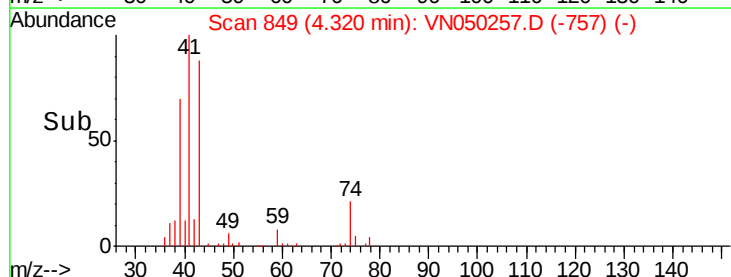
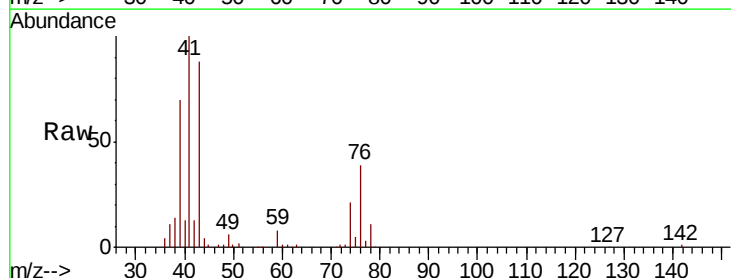
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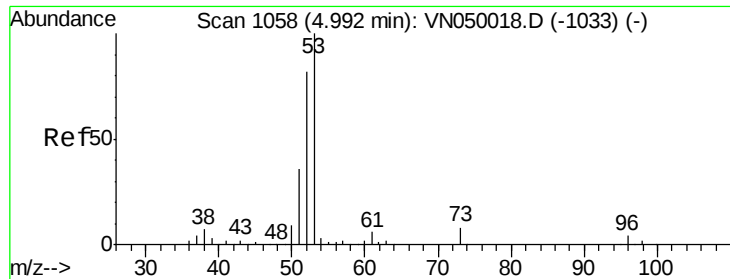
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#14
Allyl chloride
Concen: 20.659 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion: 41 Resp: 259127
Ion Ratio Lower Upper
41 100
39 66.7 54.2 81.4
76 36.5 29.0 43.6





#15

Acrylonitrile

Concen: 108.106 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

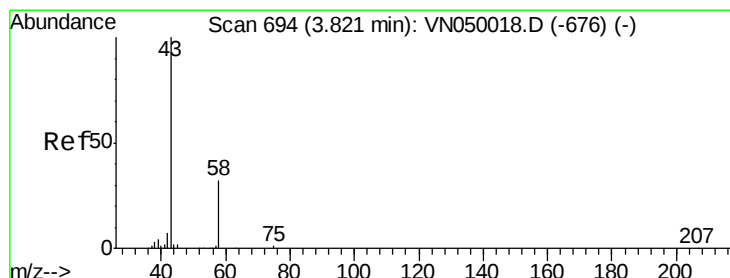
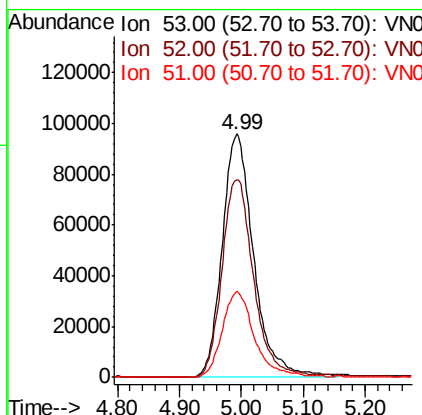
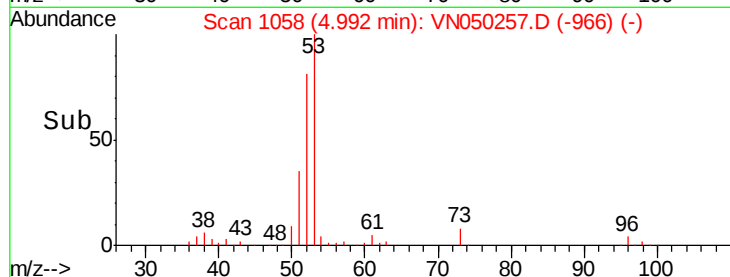
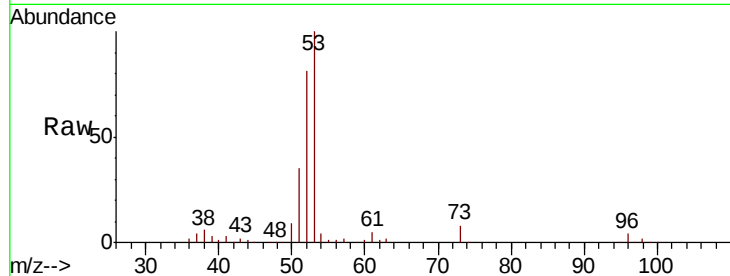
ClientSampleId :

VN0802WBS01

Tot Ion:	53	Resp:	339833
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.2
51	36.2	29.3	43.9

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#16

Acetone

Concen: 124.383 ug/l

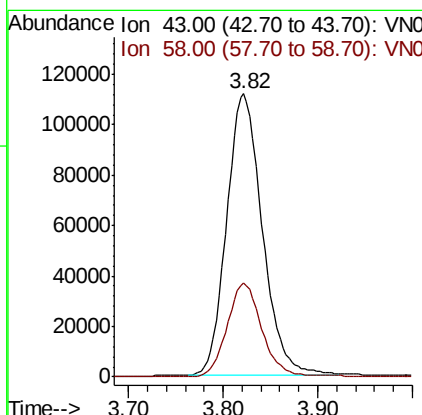
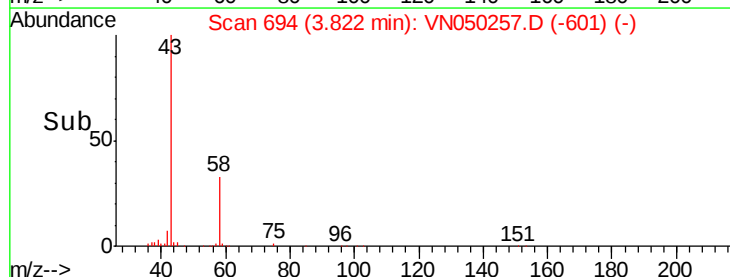
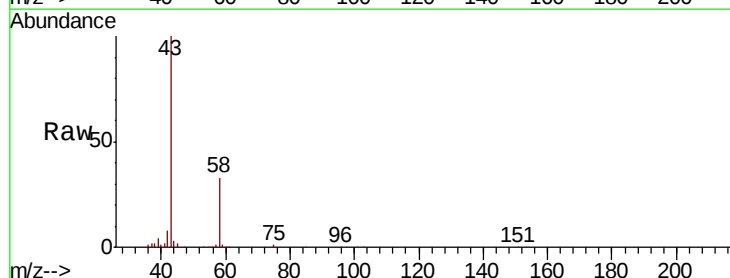
RT: 3.82 min Scan# 694

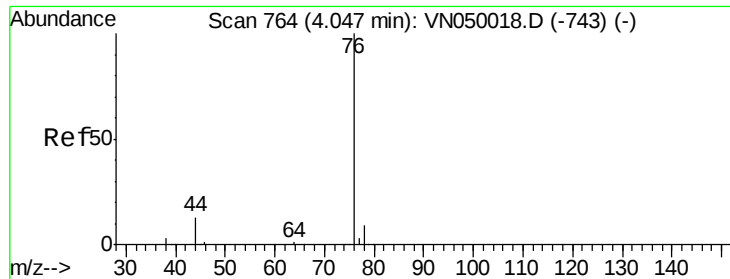
Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Tgt Ion:	43	Resp:	291936
Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.8	38.8





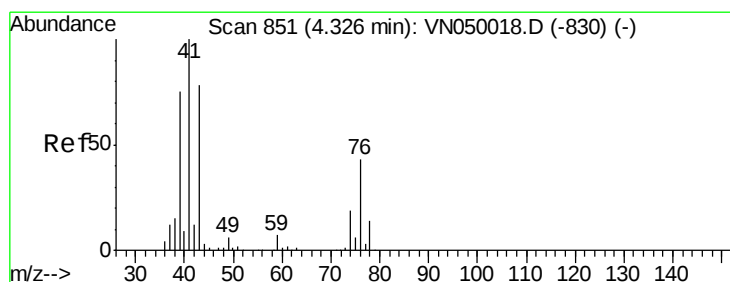
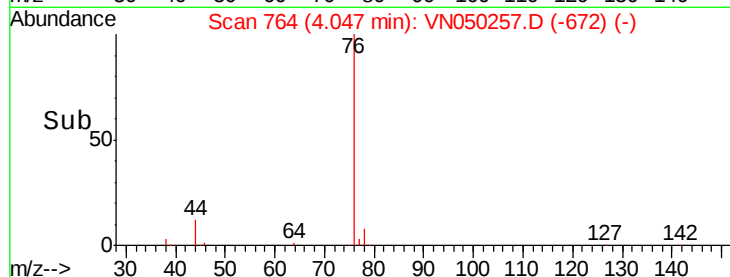
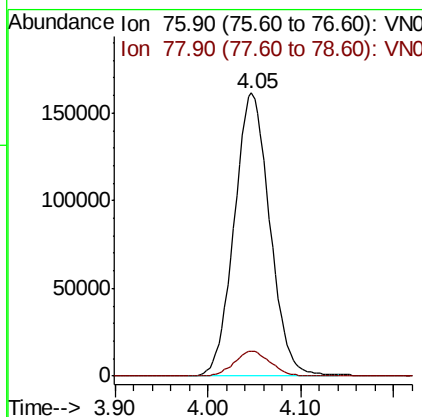
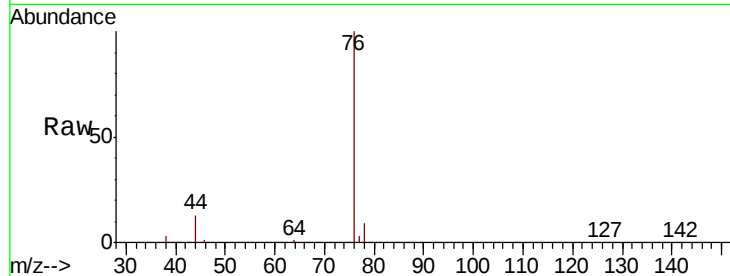
#17
Carbon Disulfide
Concen: 17.349 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

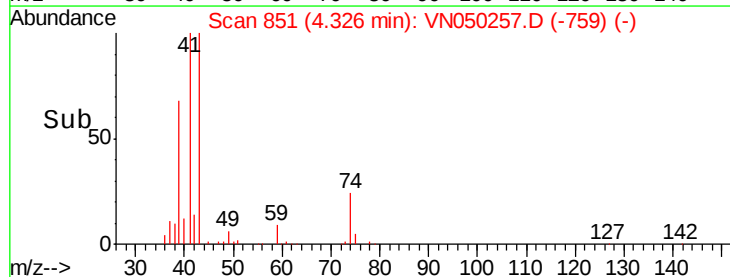
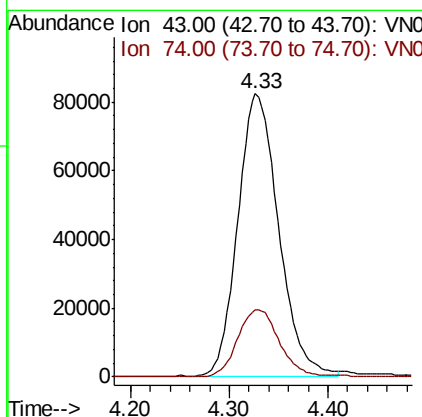
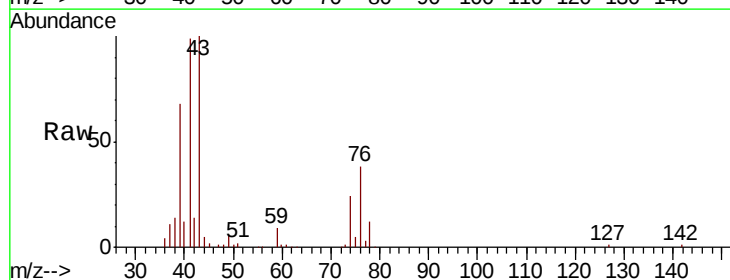
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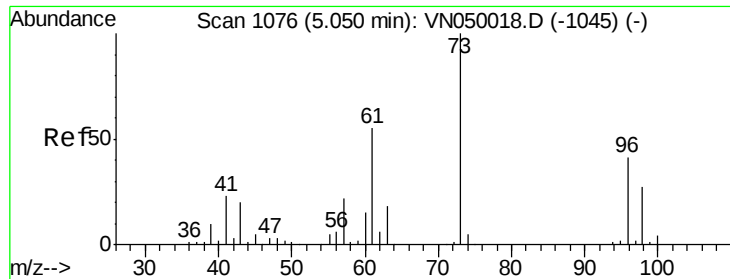
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#18
Methyl Acetate
Concen: 25.425 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.2	28.8





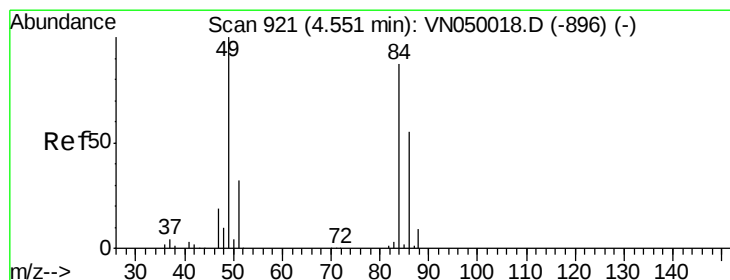
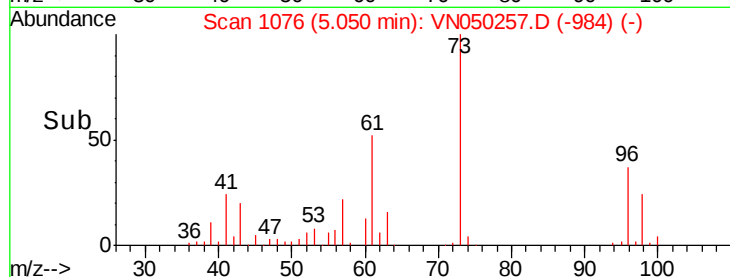
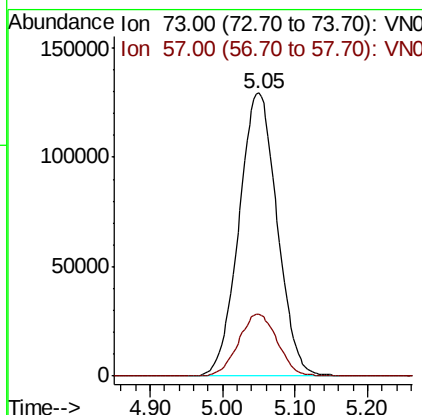
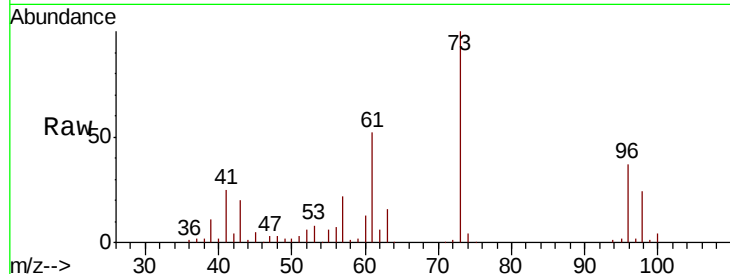
#19
Methyl tert-butyl Ether
Concen: 22.010 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampled :
VN0802WBS01

Tot Ion: 73 Resp: 474480
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

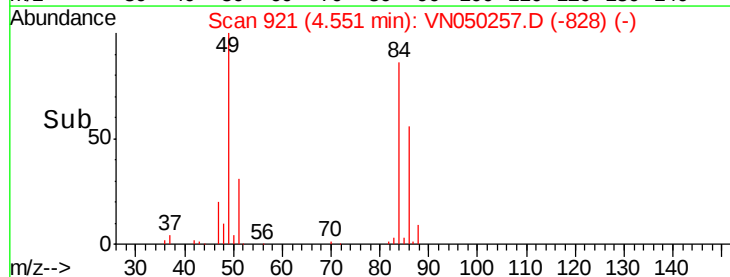
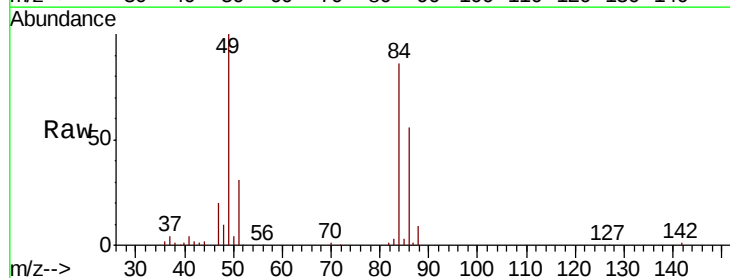
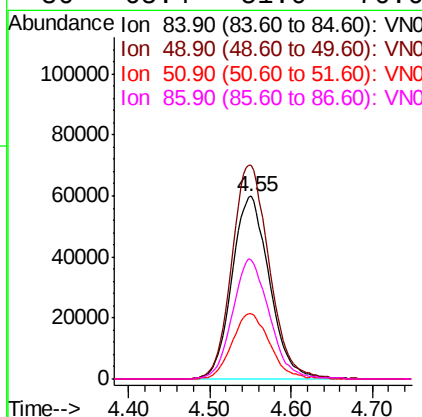
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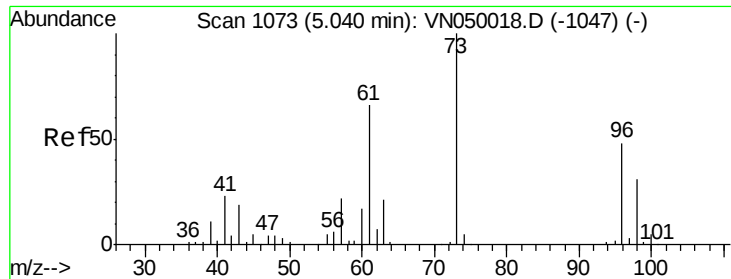
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#20
Methylene Chloride
Concen: 21.287 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion: 84 Resp: 191080
Ion Ratio Lower Upper
84 100
49 116.9 94.8 142.2
51 35.9 28.3 42.5
86 65.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.934 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0802WBS01

Tot Ion: 96 Resp: 170865

Ion Ratio Lower Upper

96 100

61 134.7 110.7 166.1

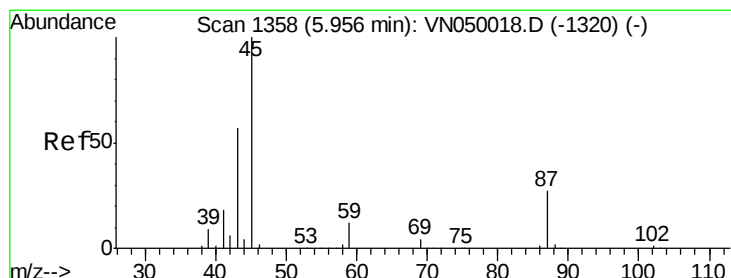
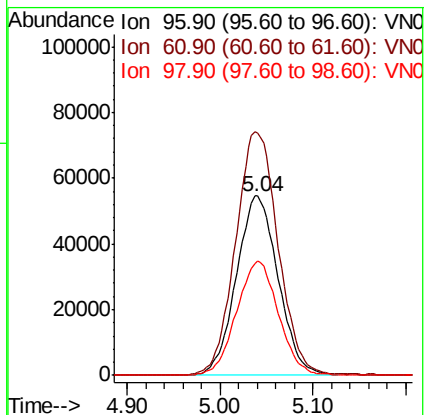
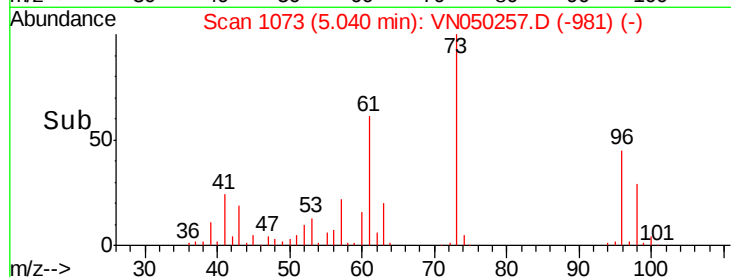
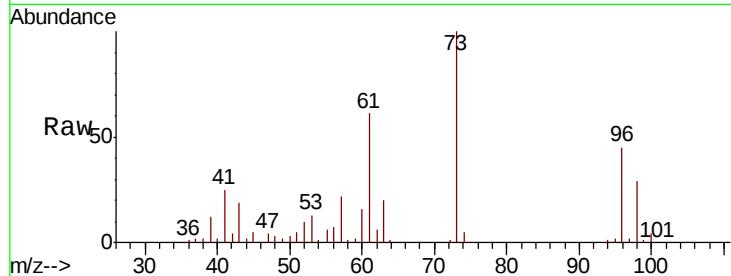
98 63.4 51.6 77.4

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#22

Diisopropyl ether

Concen: 22.898 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Tgt Ion: 45 Resp: 569493

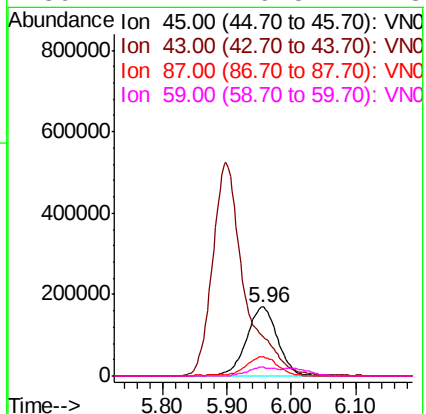
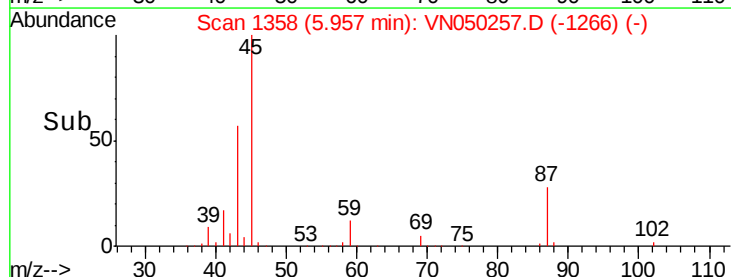
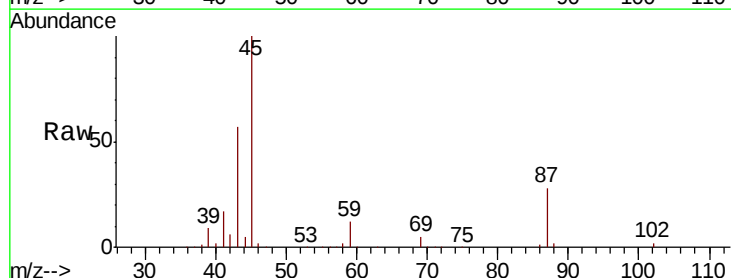
Ion Ratio Lower Upper

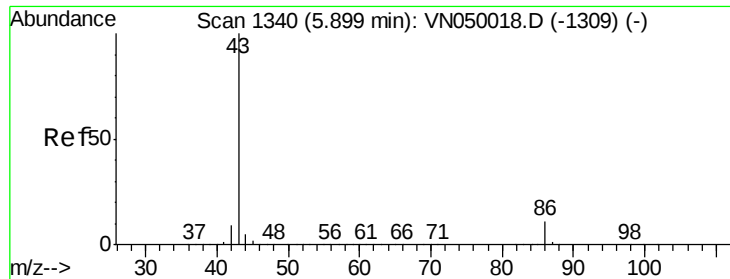
45 100

43 55.4 45.7 68.5

87 27.4 22.7 34.1

59 12.1 9.5 14.3





#23

Vinyl Acetate

Concen: 102.806 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS01

Tot Ion: 43 Resp: 1806919

Ion Ratio Lower Upper

43 100

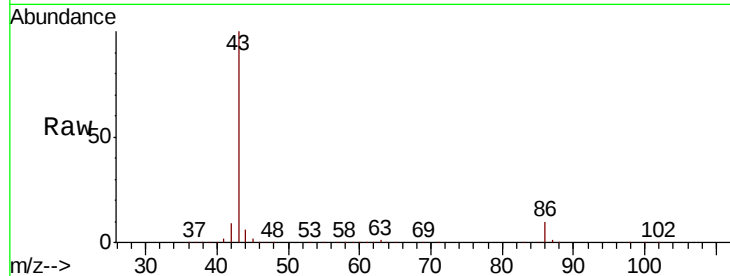
86 10.4 8.6 13.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

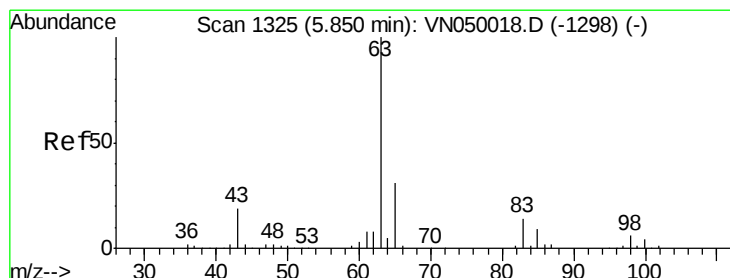
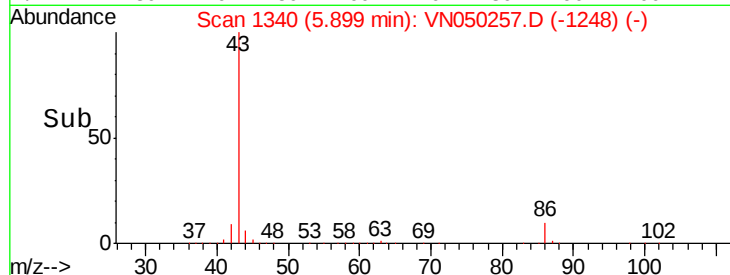
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.874 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

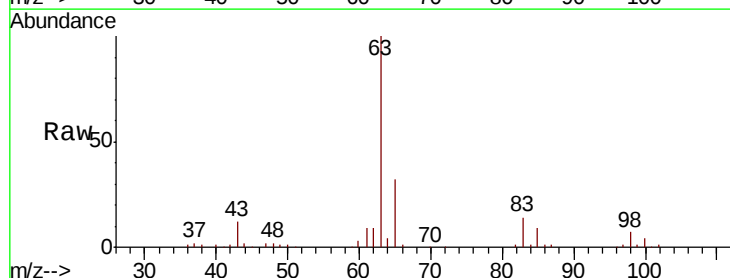
Tgt Ion: 63 Resp: 339483

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

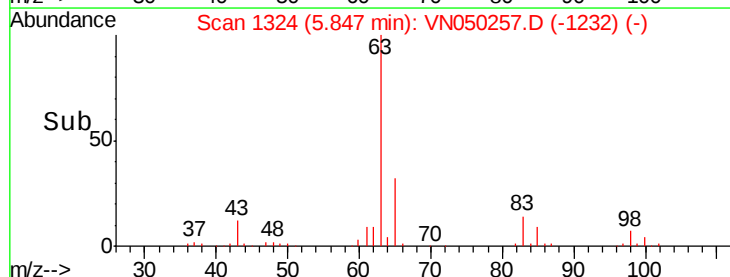
5.85

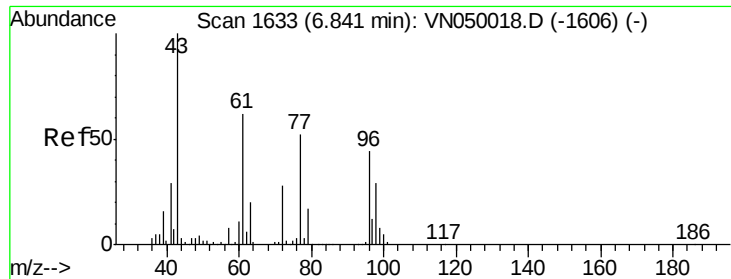
100000

50000

0

Time-->





#25

2-Butanone

Concen: 111.835 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS01

Tot Ion: 43 Resp: 417720

Ion Ratio Lower Upper

43 100

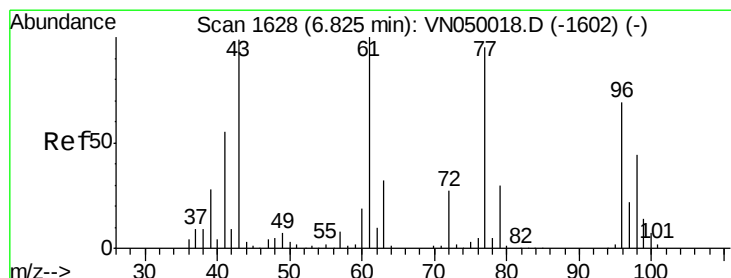
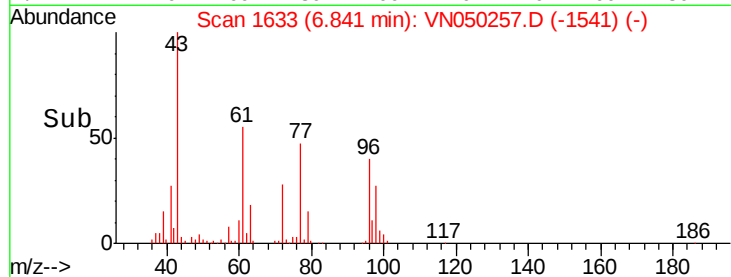
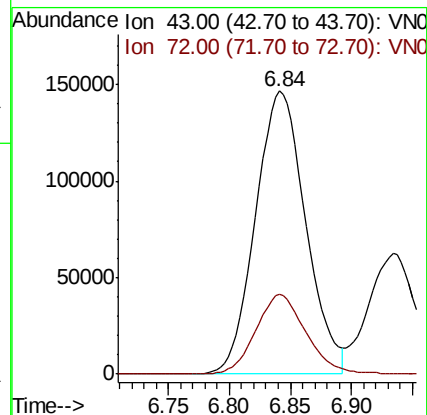
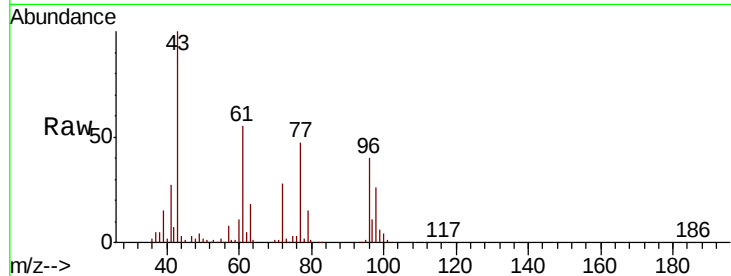
72 28.3 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.782 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050257.D

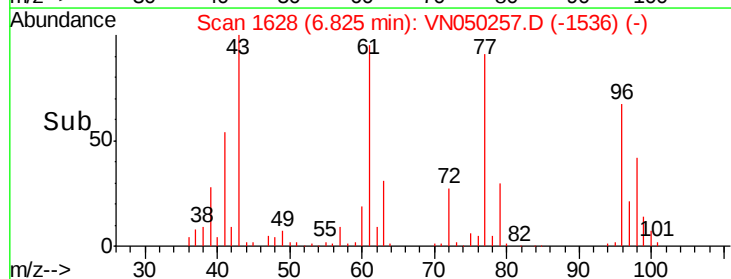
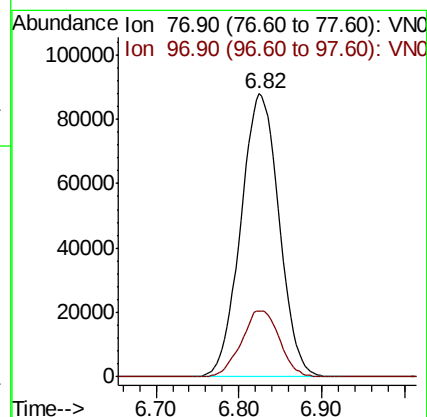
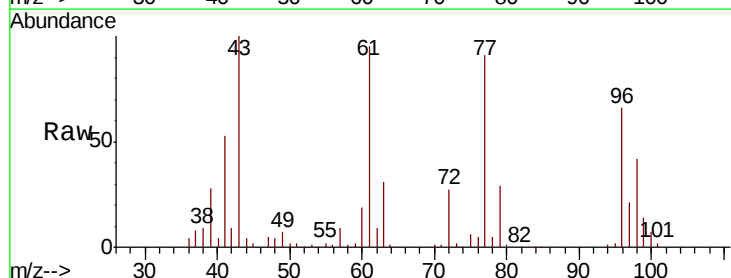
Acq: 2 Aug 2018 12:24

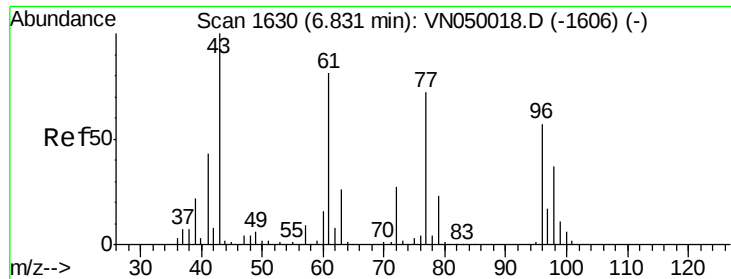
Tgt Ion: 77 Resp: 281864

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 21.310 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

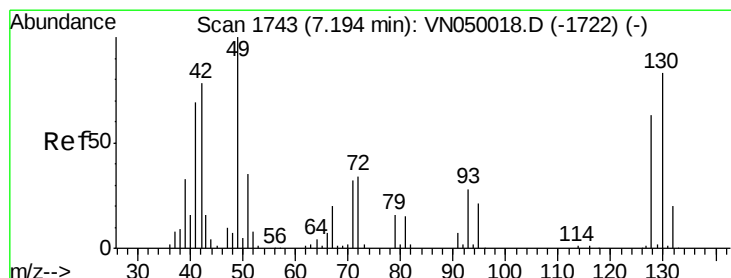
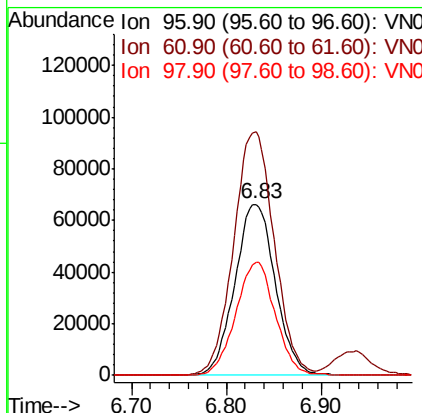
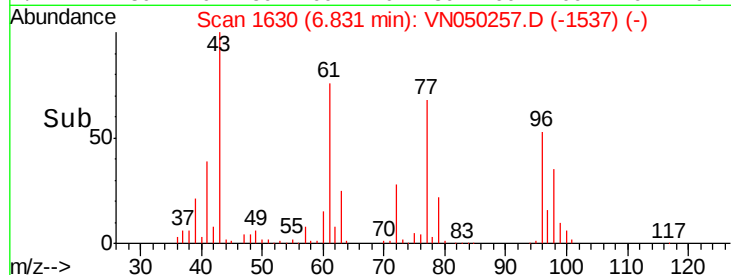
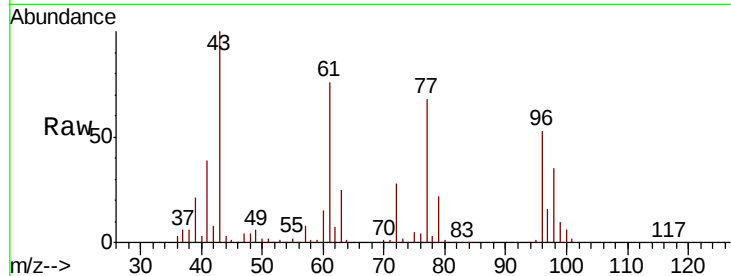
ClientSampleId :

VN0802WBS01

Tot Ion:	96	Resp:	196627
Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	285.0
98	64.6	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 21.044 ug/l

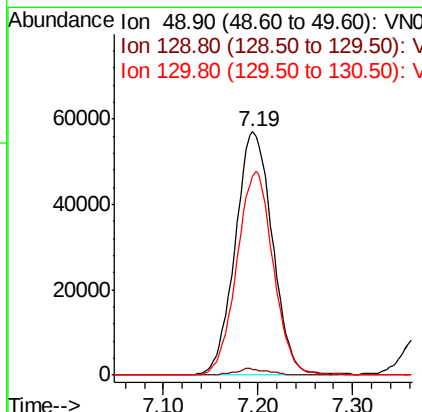
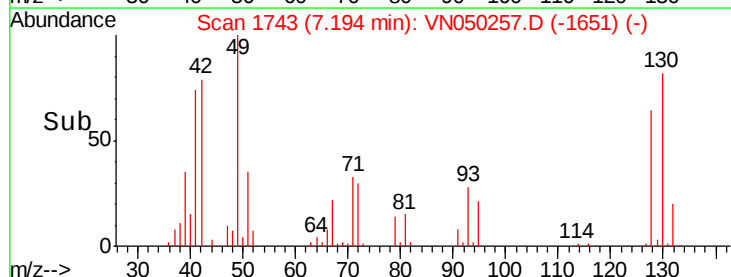
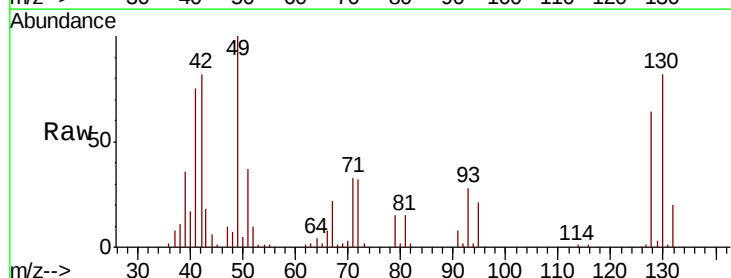
RT: 7.19 min Scan# 1743

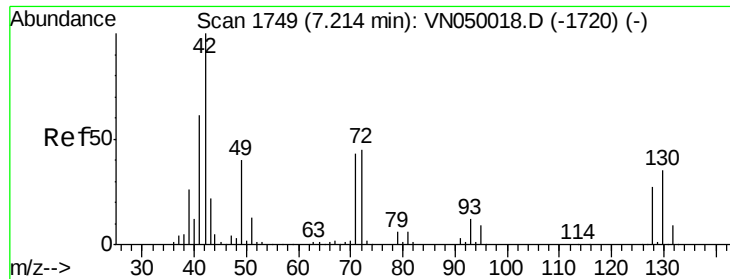
Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Tgt Ion:	49	Resp:	156103
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	81.6	66.3	99.5





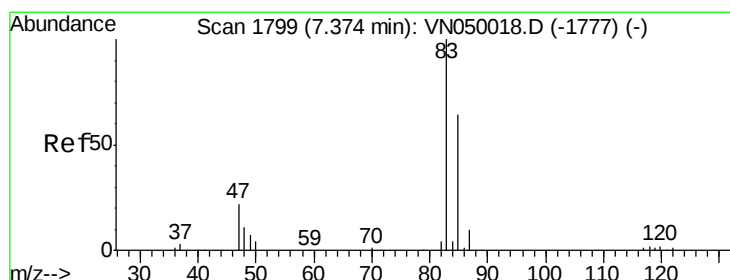
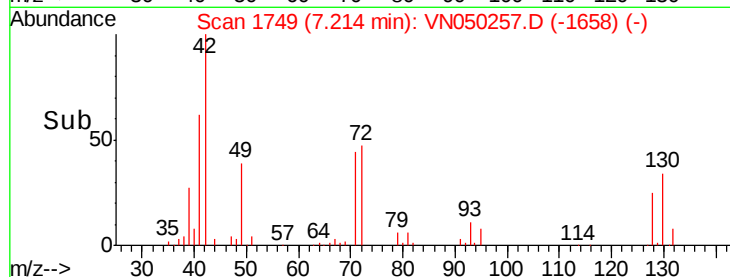
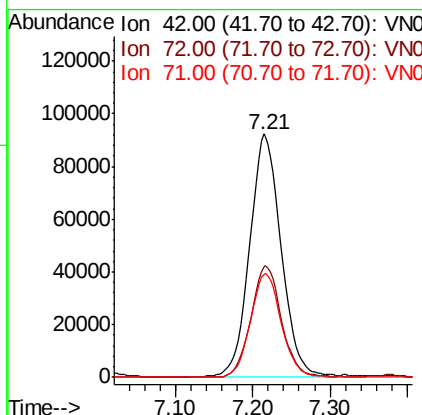
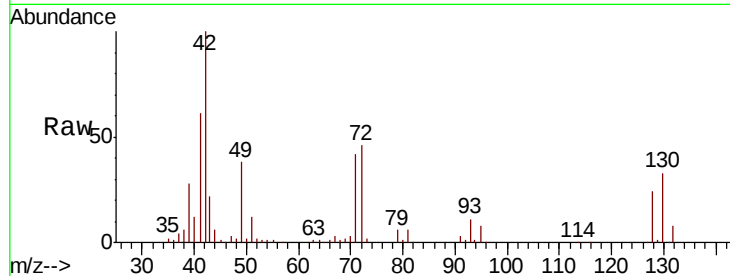
#29
Tetrahydrofuran
Concen: 109.427 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.9	53.9
71	41.6	33.7	50.5

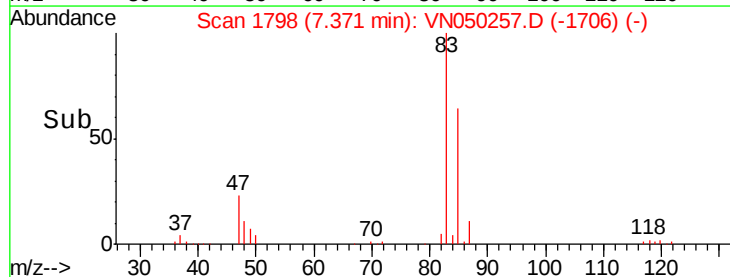
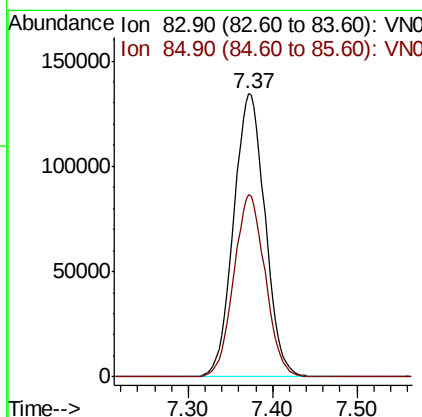
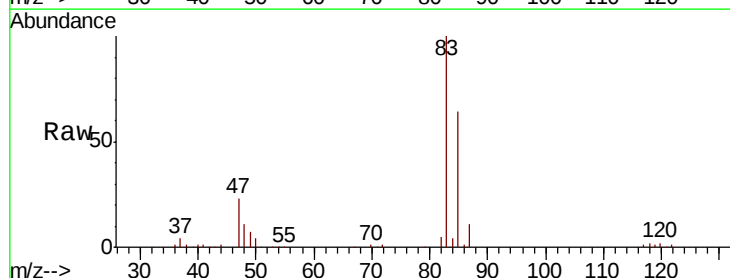
Manual Integrations
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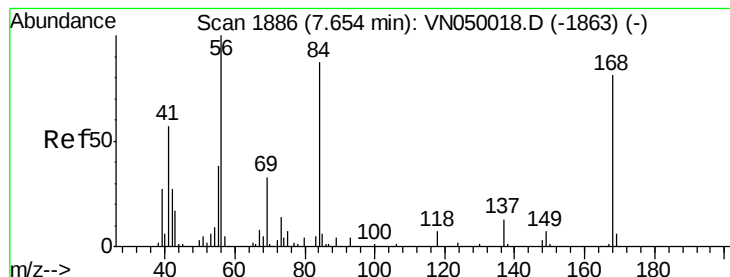
MMDadoda
8/3/2018 9:36:06 AM



#30
Chloroform
Concen: 21.058 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7





#31

Cyclohexane

Concen: 20.075 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0802WBS01

Tot Ion: 56 Resp: 271320

Ion Ratio Lower Upper

56 100

69 38.3 26.2 39.4

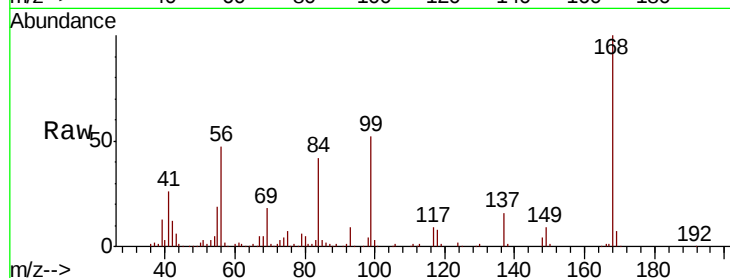
84 86.2 67.4 101.0

Manual Integrations

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MMDadoda

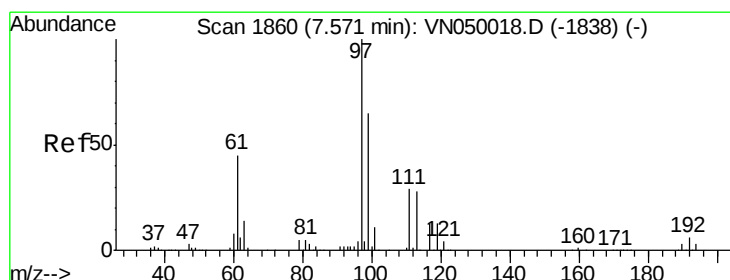
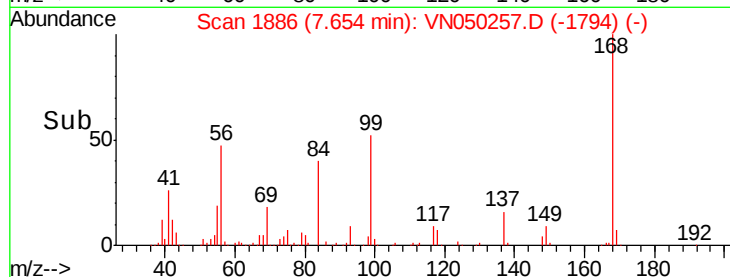
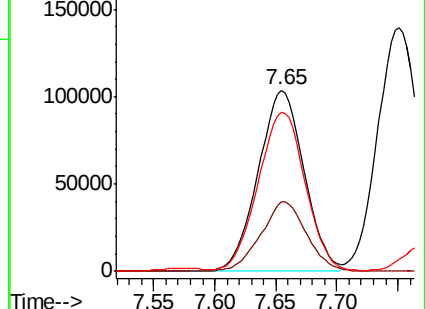
8/3/2018 9:36:06 AM



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 20.924 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

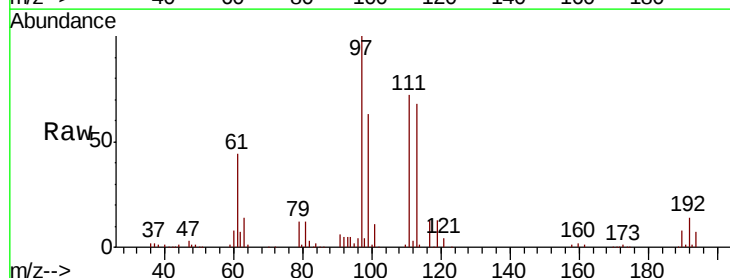
Tgt Ion: 97 Resp: 297037

Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

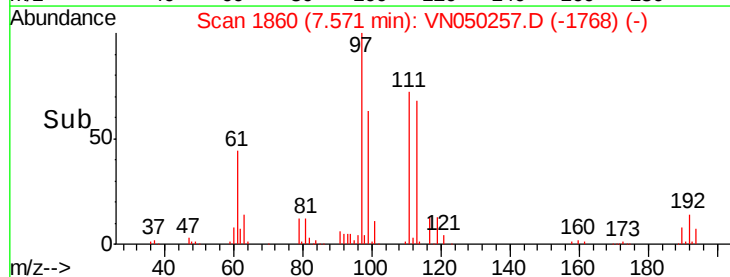
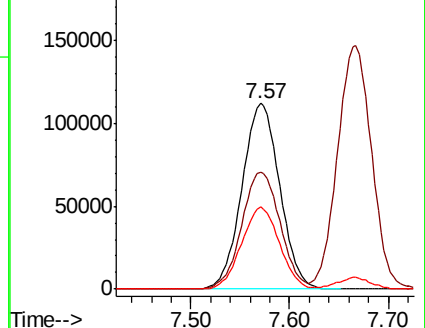
61 44.3 35.4 53.0

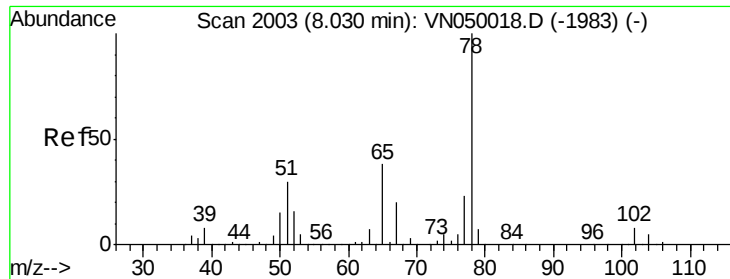


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





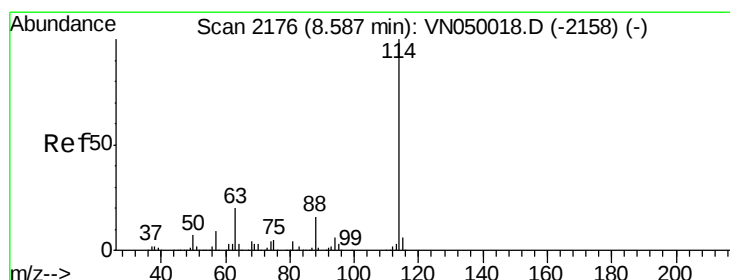
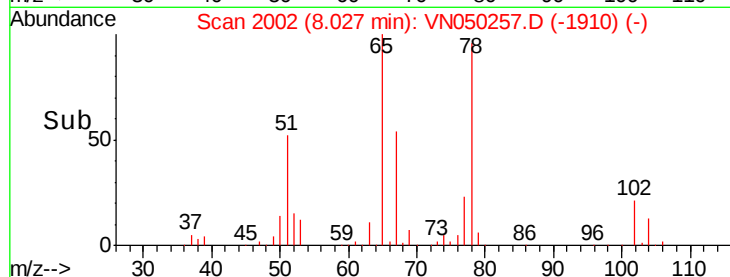
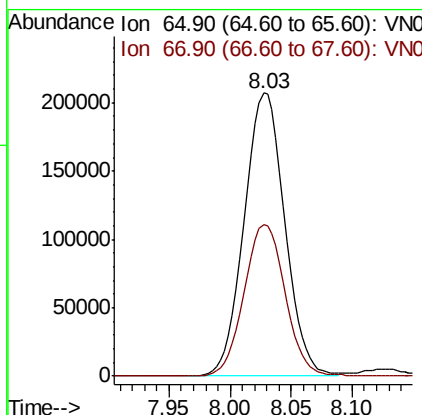
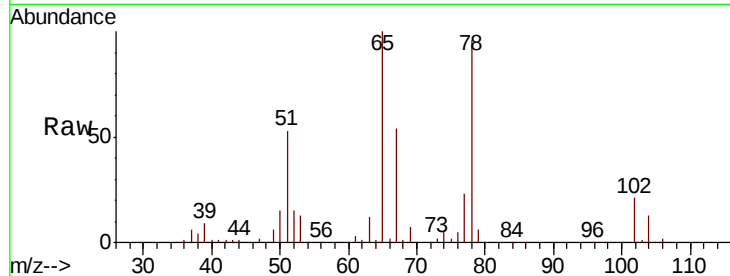
#33
 1,2-Dichloroethane-d4
 Concen: 48.749 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	477374		
67	54.3	0.0	108.4	

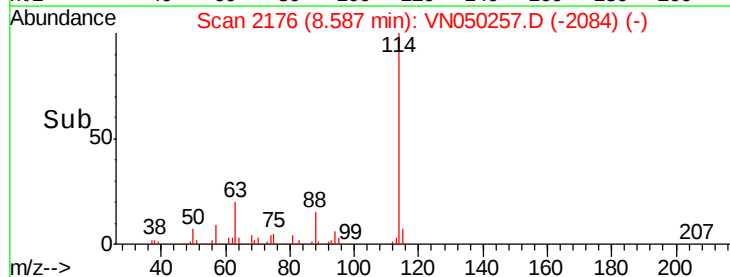
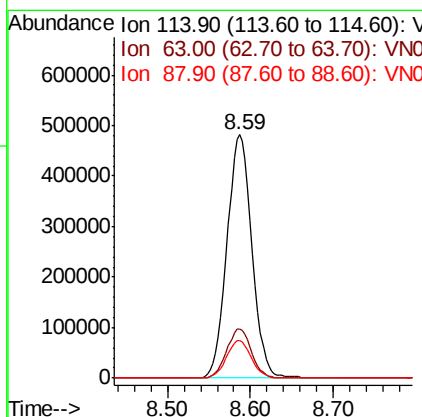
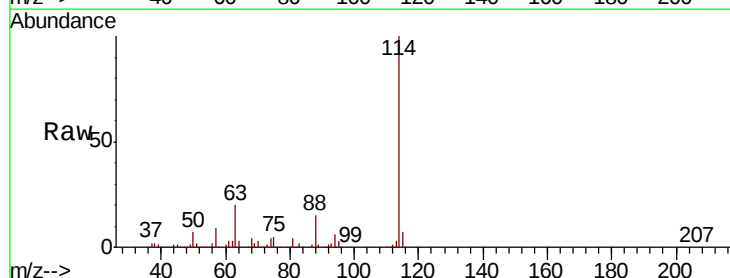
Manual Integrations
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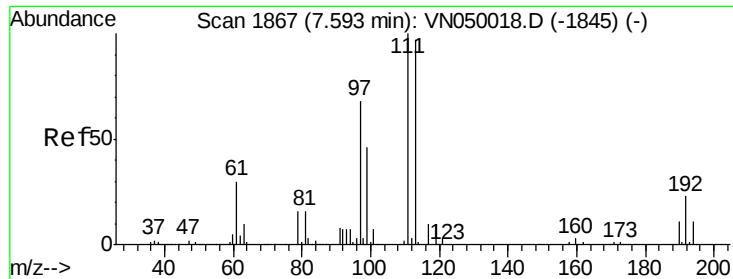
MMDadoda
 8/3/2018 9:36:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1007298		
63	20.3	0.0	40.0	
88	15.5	0.0	31.2	





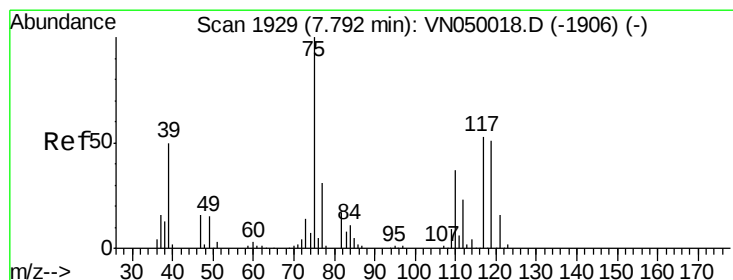
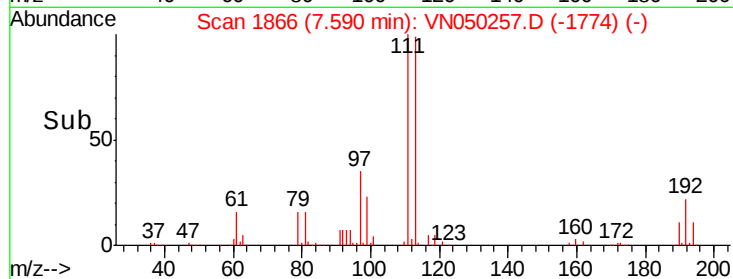
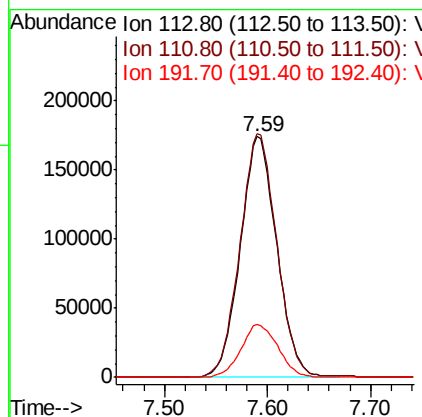
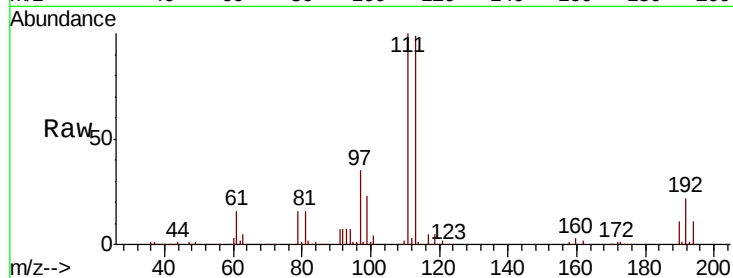
#35
 Dibromofluoromethane
 Concen: 52.020 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	80.7	121.1	
192	22.4	17.8	26.6	

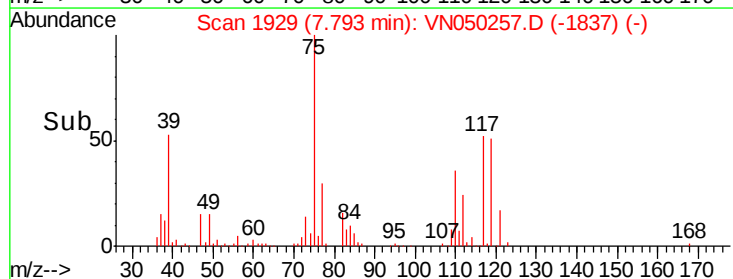
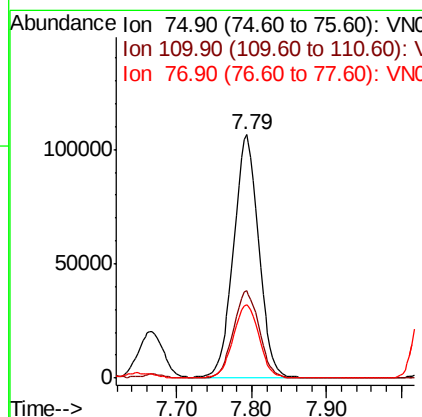
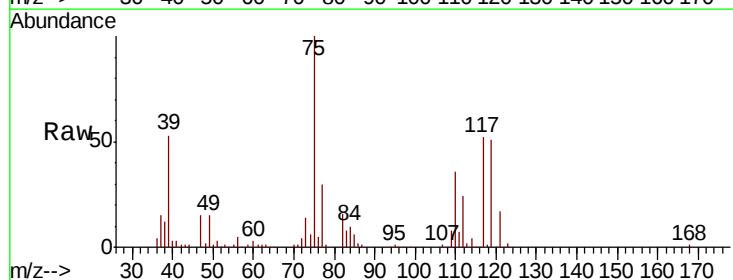
Manual Integrations
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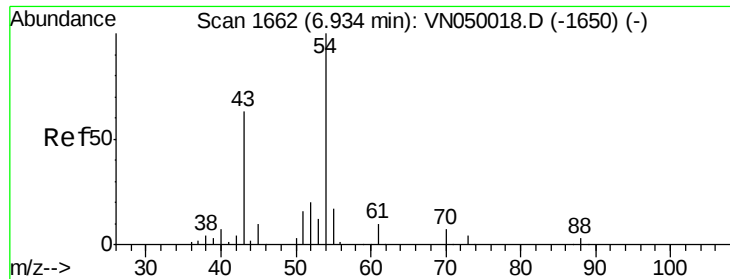
MMDadoda
 8/3/2018 9:36:06 AM



#36
 1,1-Dichloropropene
 Concen: 22.048 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	18.4	55.2	
77	31.2	25.3	37.9	





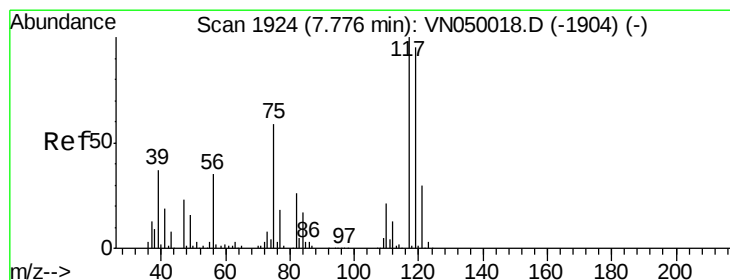
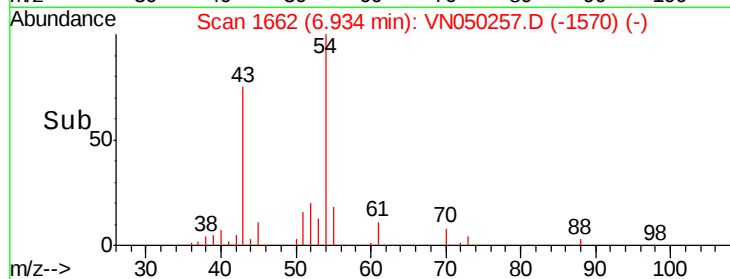
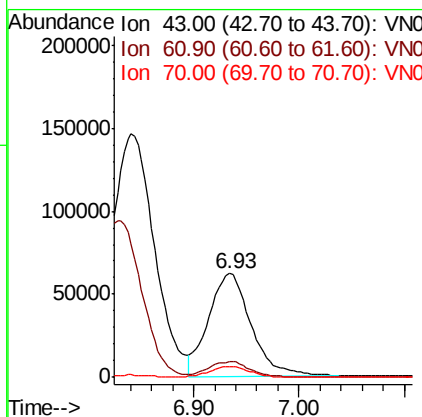
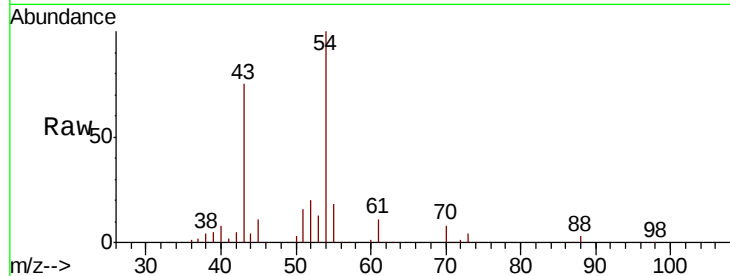
#37
Ethyl Acetate
Concen: 21.829 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.8
70	10.5	8.4	12.6

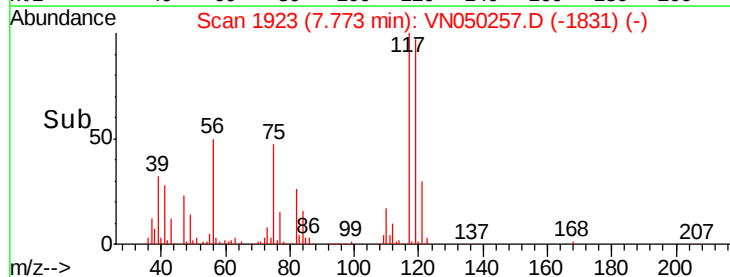
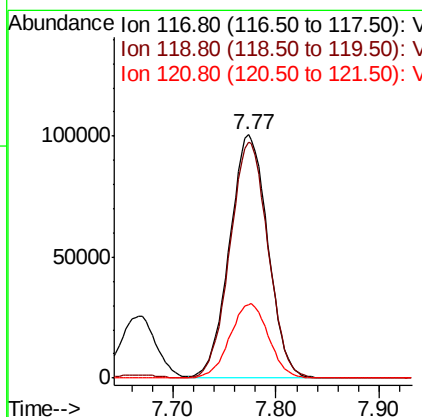
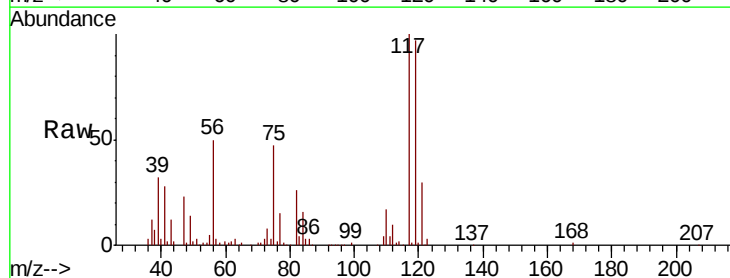
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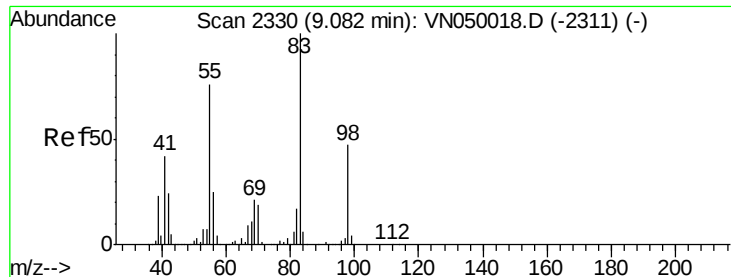
MMDadoda
8/3/2018 9:36:06 AM



#38
Carbon Tetrachloride
Concen: 21.603 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.4	116.0
121	30.4	23.9	35.9





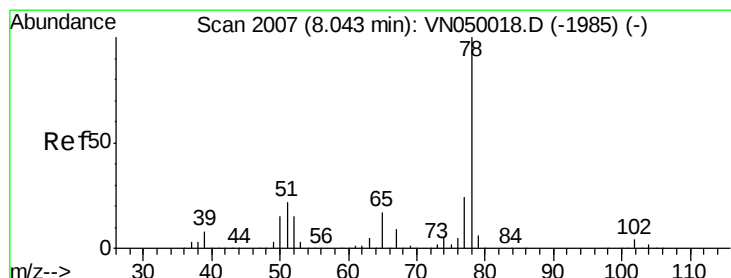
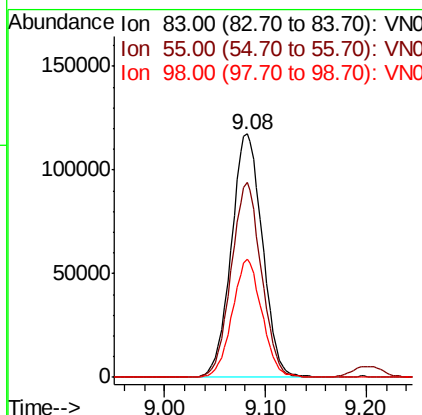
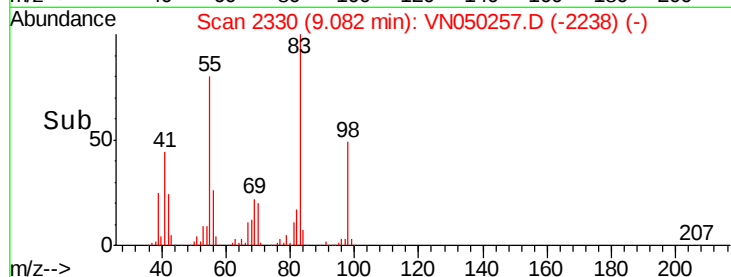
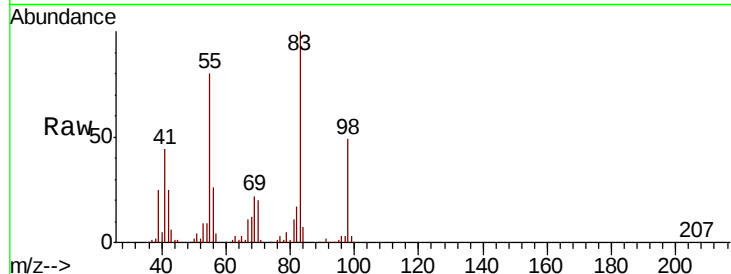
#39
Methvlcvclohexane
Concen: 21.579 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	61.8	92.8
98	48.5	36.5	54.7

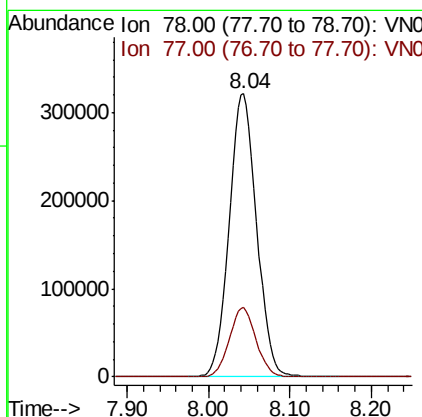
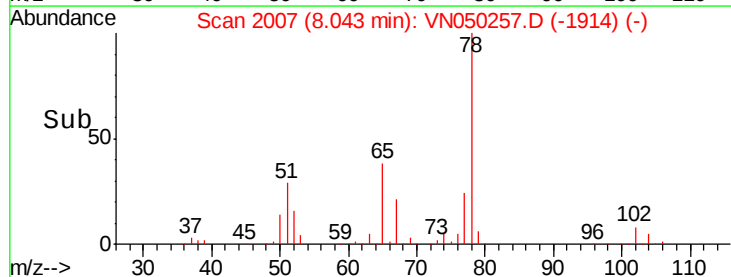
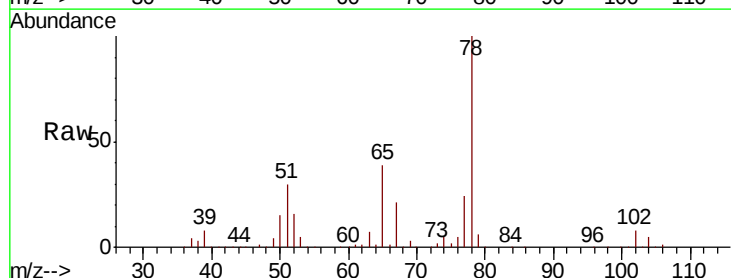
Manual Integrations
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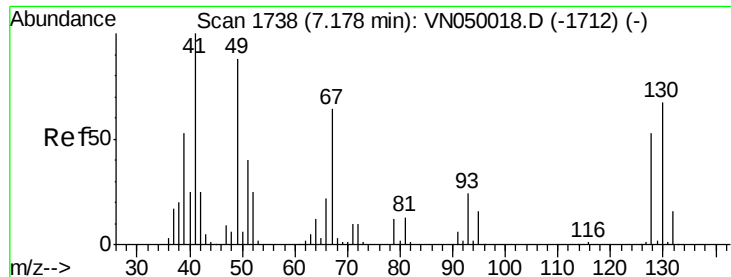
MMDadoda
8/3/2018 9:36:06 AM



#40
Benzene
Concen: 21.901 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.7	28.1





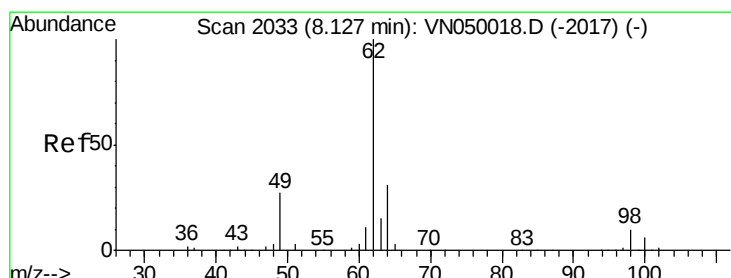
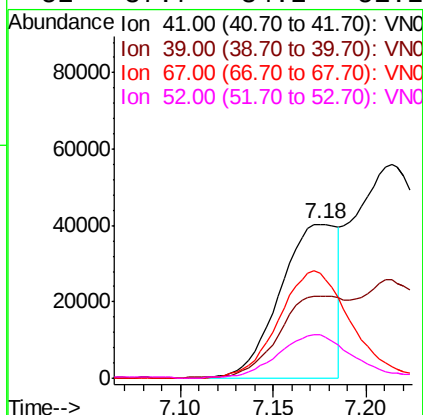
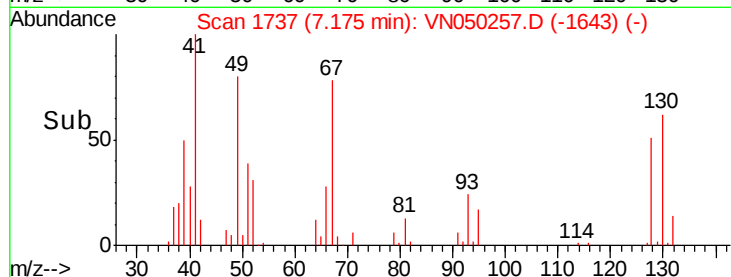
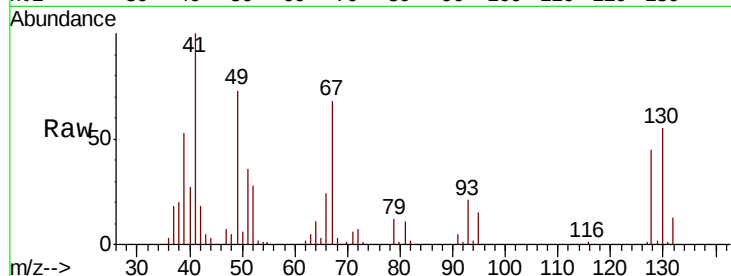
#41
Methacrylonitrile
Concen: 22.622 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS01

Tot Ion:	41	Resp:	86663
Ion	Ratio	Lower	Upper
41	100		
39	63.5	55.8	83.6
67	88.8	84.3	126.5
52	37.7	34.2	51.2

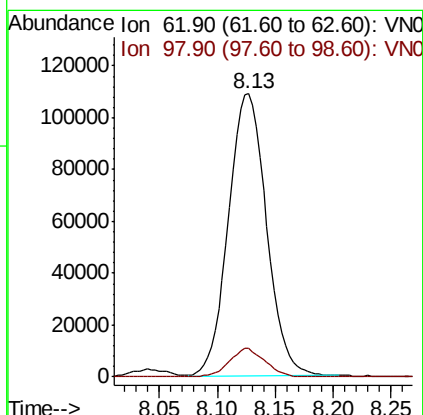
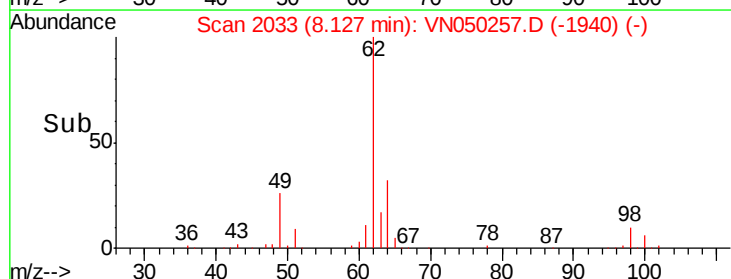
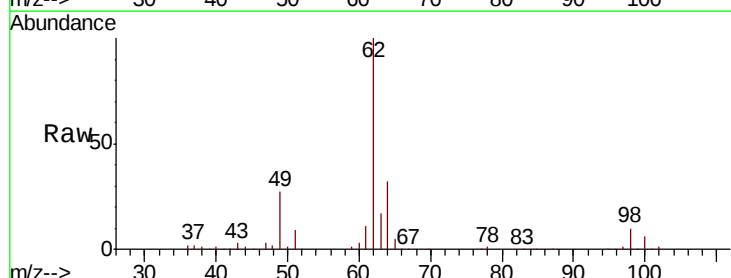
Manual Integrations
APPROVED

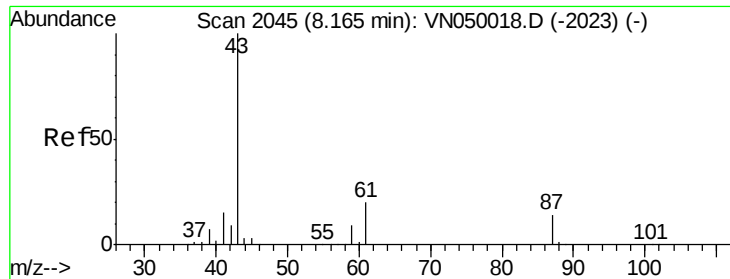
MMDadoda
8/3/2018 9:36:06 AM



#42
1,2-Dichloroethane
Concen: 21.542 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion:	62	Resp:	248187
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8





#43

Isopropyl Acetate

Concen: 21.605 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

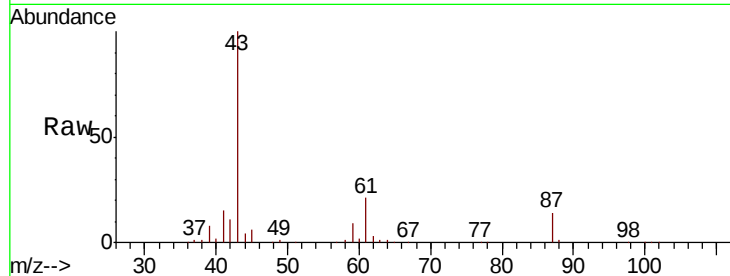
ClientSampleId :

VN0802WBS01

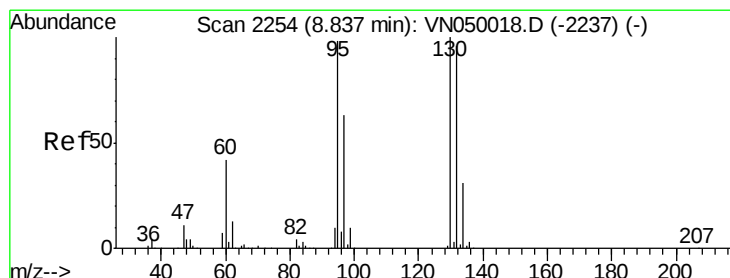
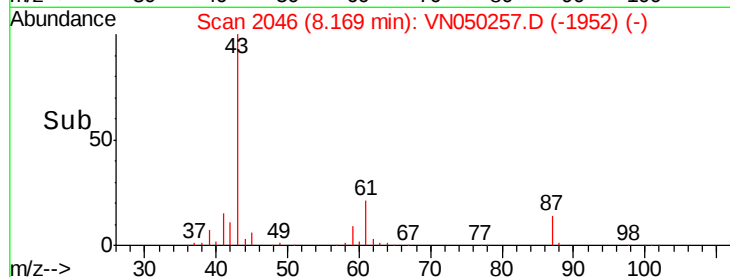
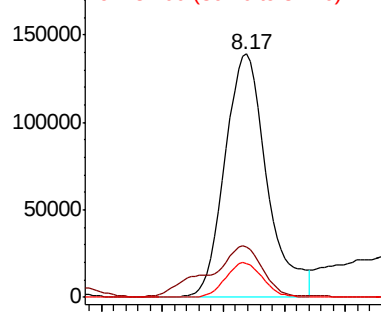
Tot Ion:	43	Resp:	331796
Ion	Ratio	Lower	Upper
43	100		
61	26.4	15.8	23.6#
87	12.7	10.3	15.5

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Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)



#44

Trichloroethene

Concen: 21.303 ug/l

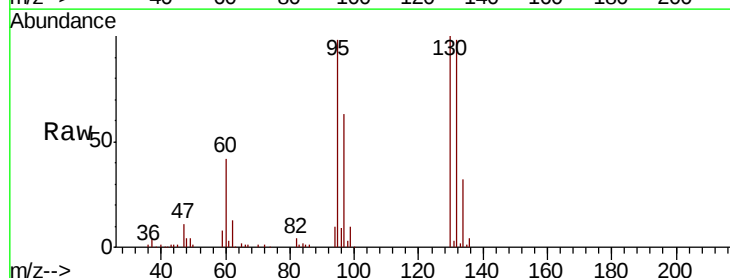
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

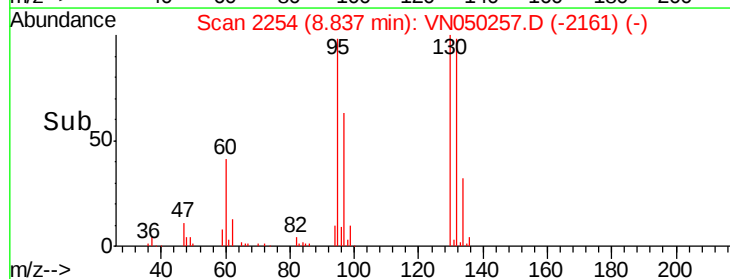
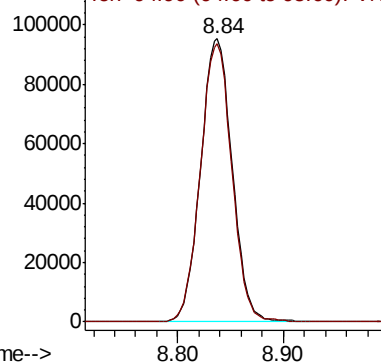
Lab File: VN050257.D

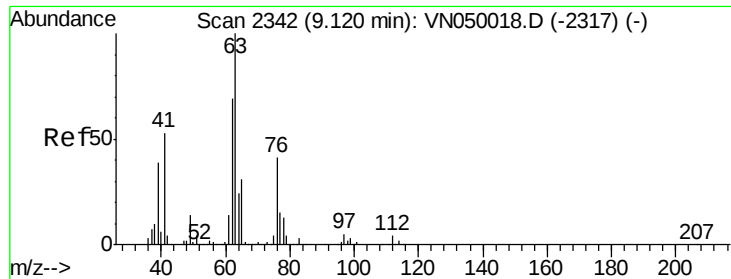
Acq: 2 Aug 2018 12:24

Tgt Ion:	130	Resp:	197677
Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)





#45

1,2-Dichloropropane

Concen: 22.472 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS01

Tot Ion: 63 Resp: 205542

Ion Ratio Lower Upper

63 100

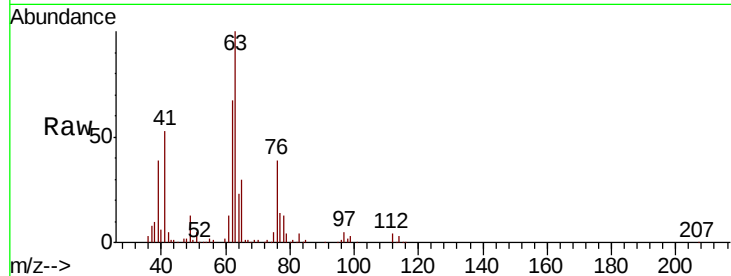
65 30.5 25.5 38.3

Manual Integrations

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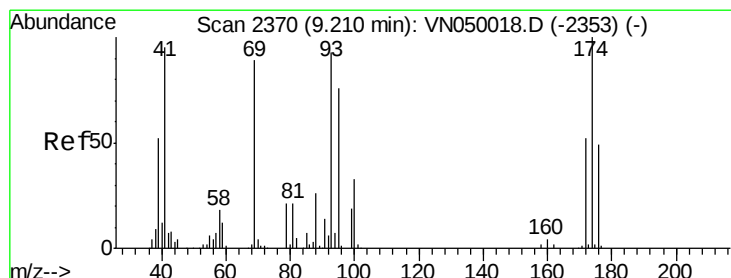
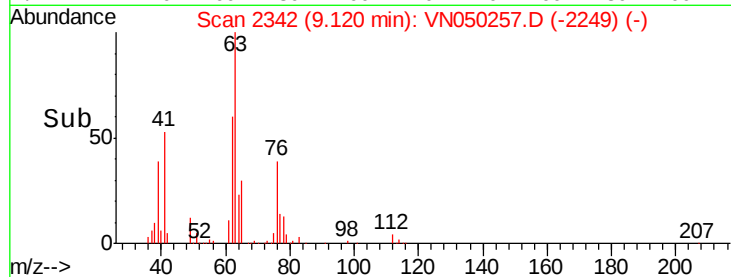
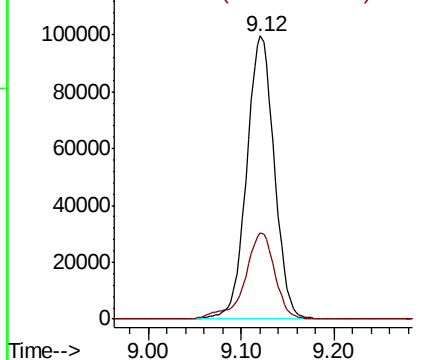
MMDadoda

8/3/2018 9:36:06 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 22.016 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

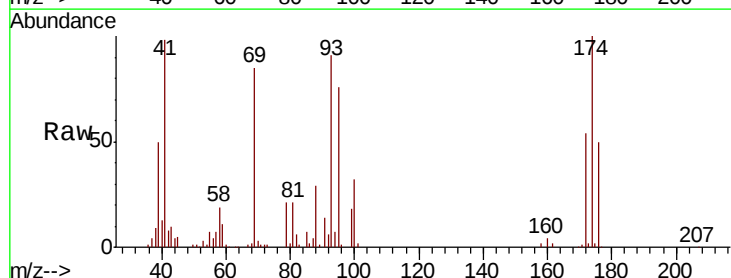
Tgt Ion: 93 Resp: 125039

Ion Ratio Lower Upper

93 100

95 84.1 66.6 100.0

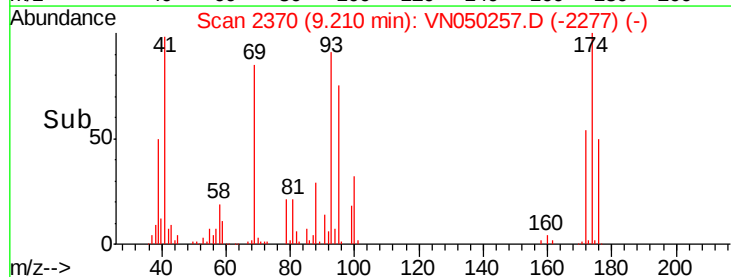
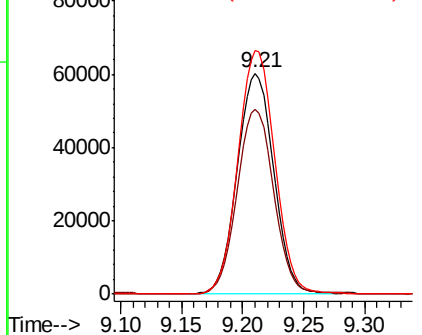
174 111.0 87.1 130.7

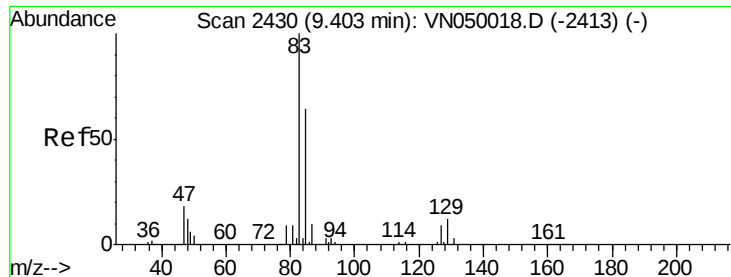


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





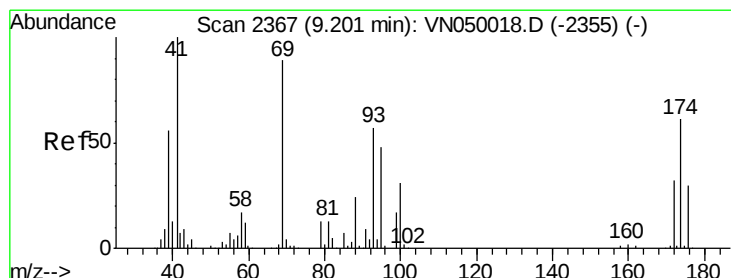
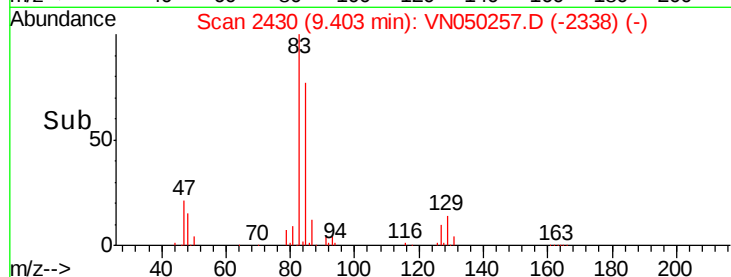
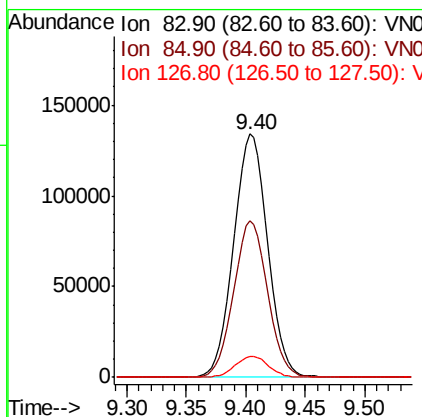
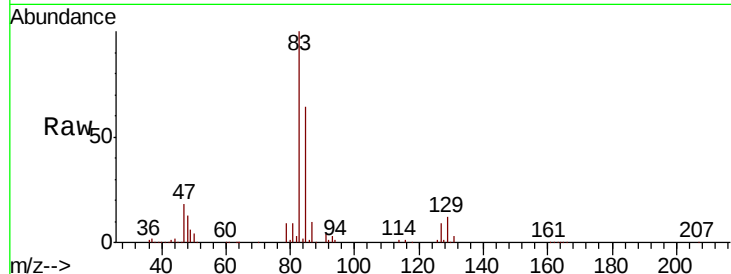
#47
 Bromodichloromethane
 Concen: 22.154 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	265556		
85	64.4		51.1	76.7
127	8.6		7.0	10.4

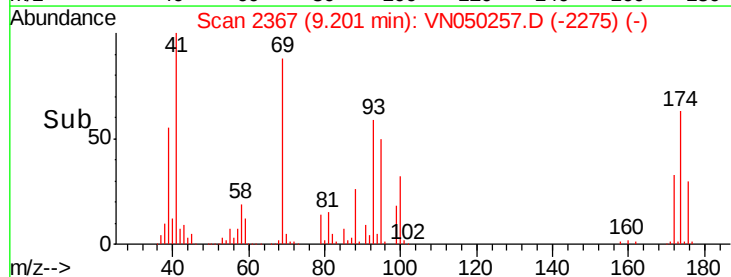
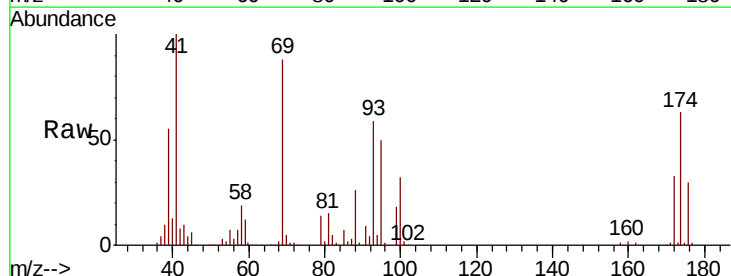
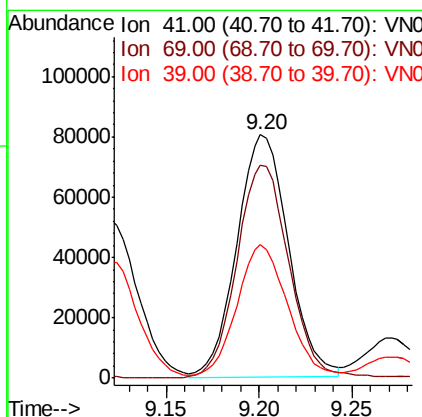
Manual Integrations
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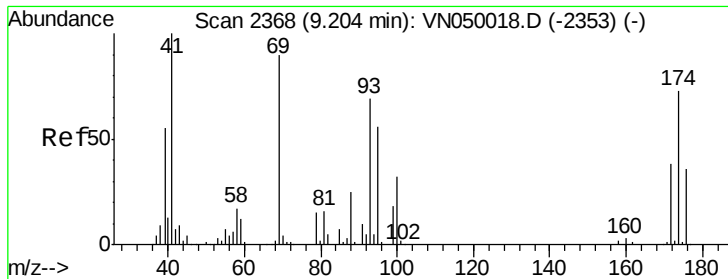
MMDadoda
 8/3/2018 9:36:06 AM



#48
 Methyl methacrylate
 Concen: 22.782 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	155243		
69	89.4		70.6	105.8
39	53.8		43.9	65.9





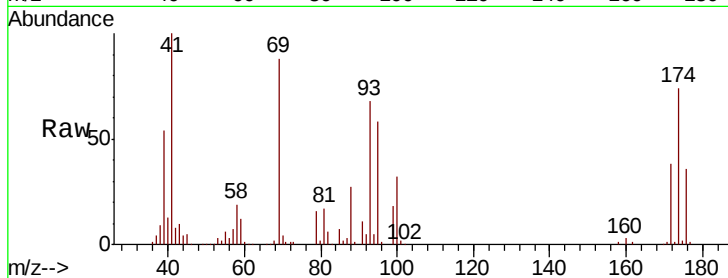
#49
 1,4-Dioxane
 Concen: 499.173 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	26.9	40.3
58	69.6	57.3	85.9

Manual Integrations
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MMDadoda
 8/3/2018 9:36:06 AM

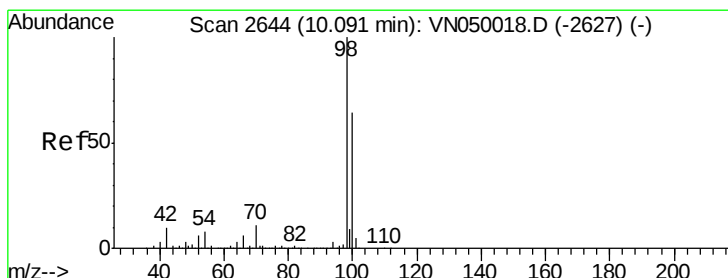
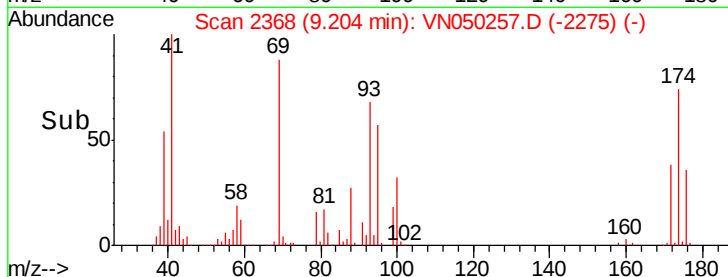
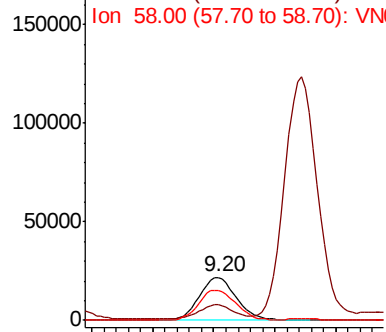


Abundance

Ion 88.00 (87.70 to 88.70): VN0

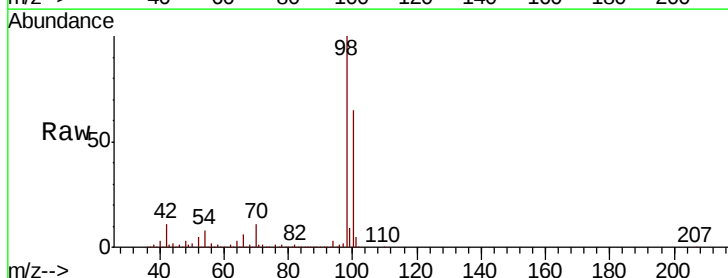
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
 Toluene-d8
 Concen: 52.505 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

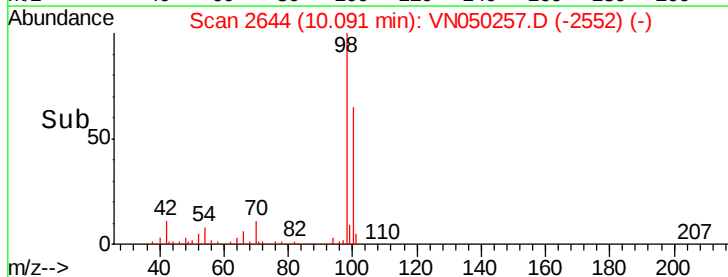
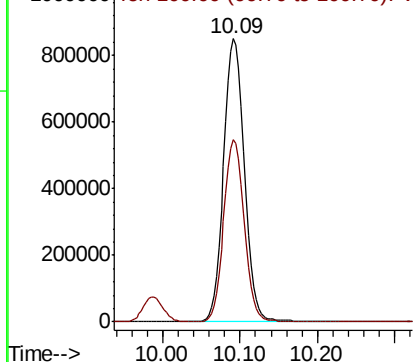
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.7	76.1

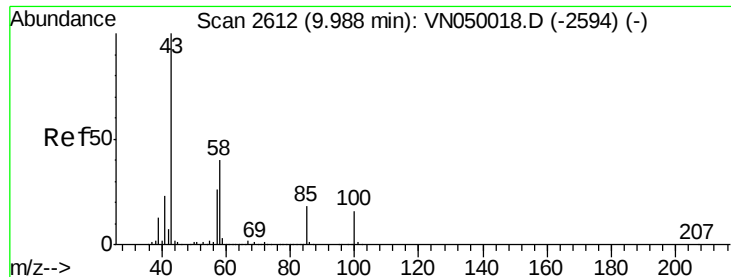


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





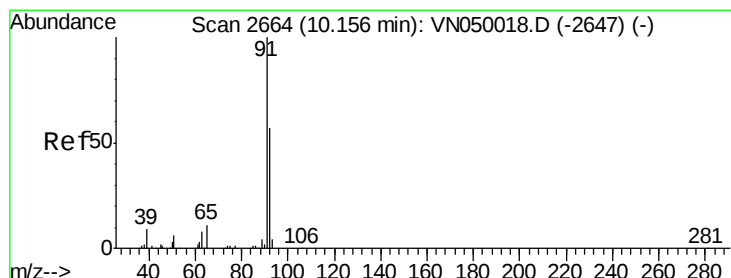
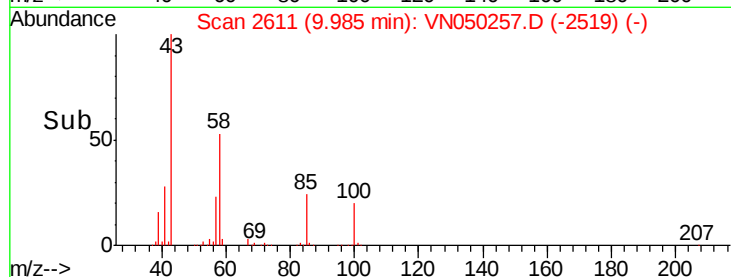
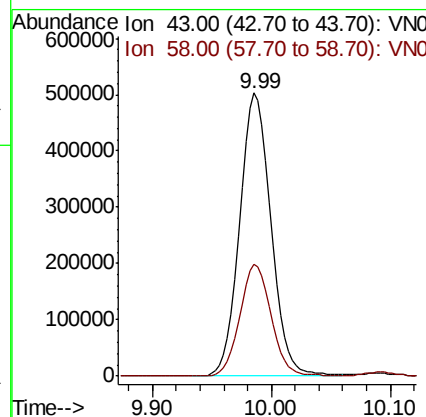
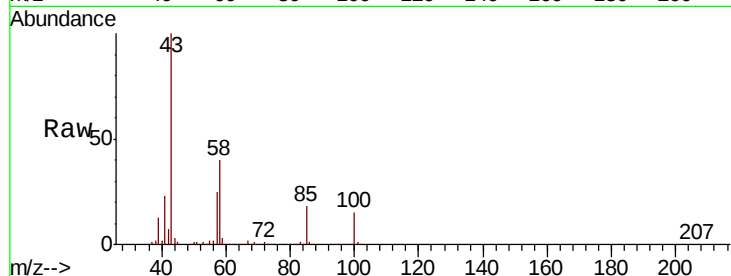
#51
4-Methyl-2-Pentanone
Concen: 117.778 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampled :
VN0802WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.9	47.9

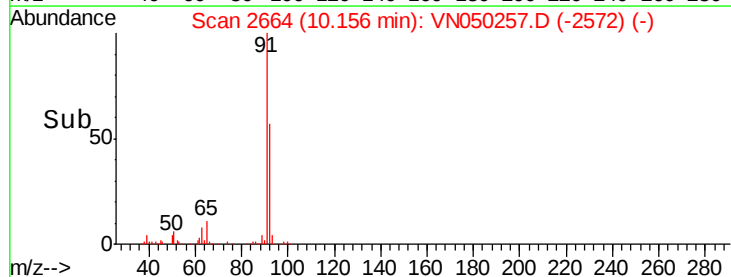
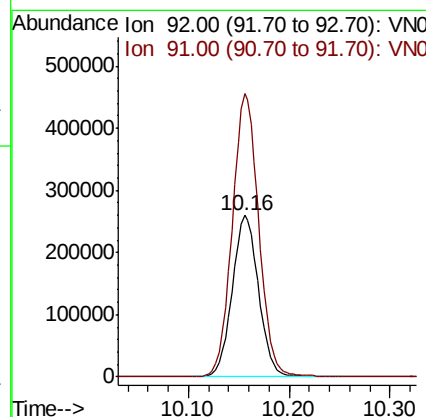
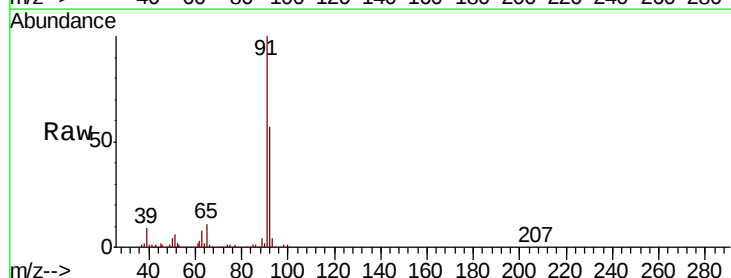
Manual Integrations
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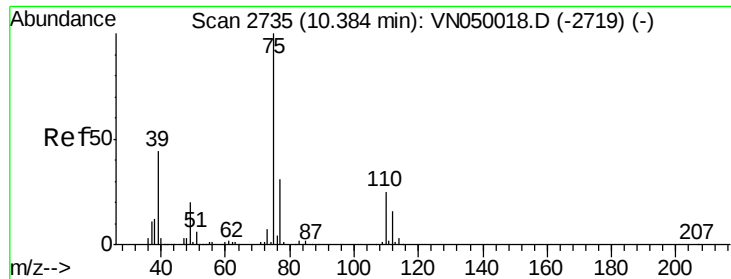
MMDadoda
8/3/2018 9:36:06 AM



#52
Toluene
Concen: 23.178 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.6	140.3	210.5





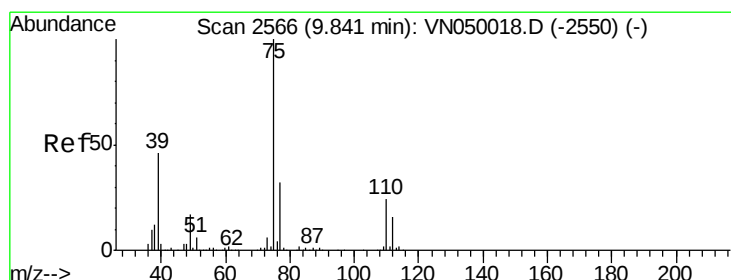
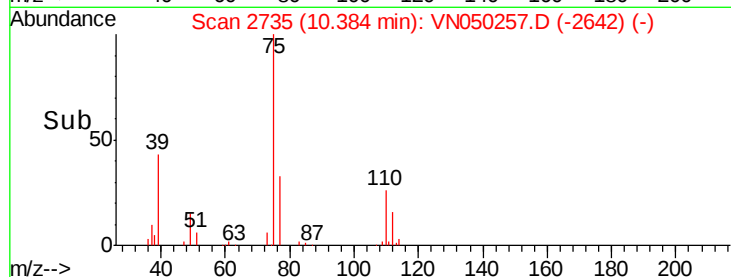
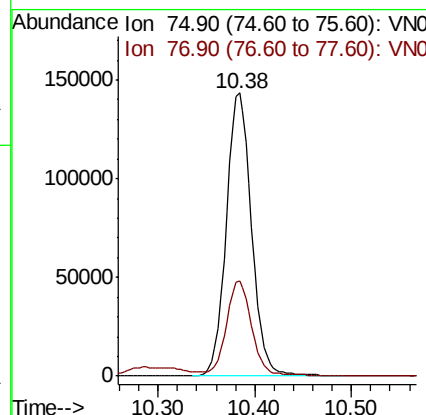
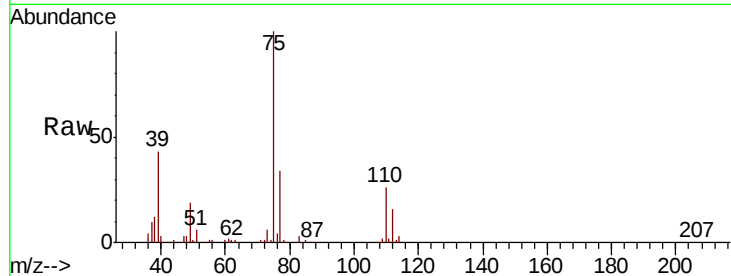
#53
t-1,3-Dichloropropene
Concen: 22.971 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.9	37.3

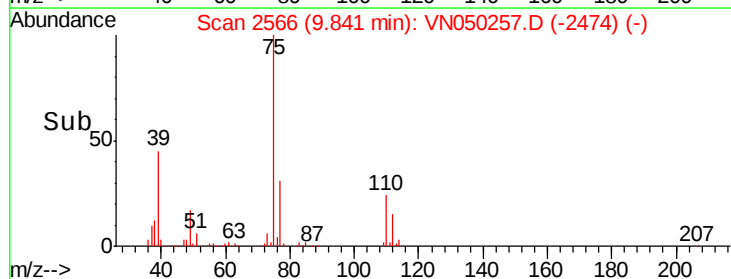
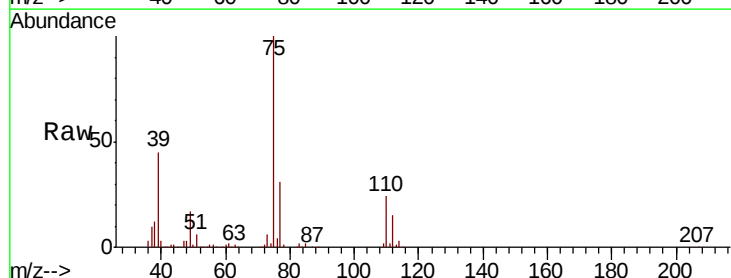
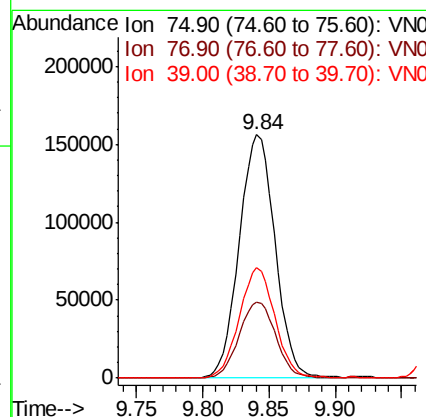
Manual Integrations
APPROVED

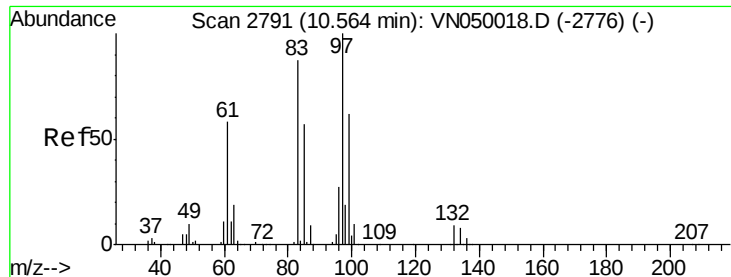
MMDadoda
8/3/2018 9:36:06 AM



#54
cis-1,3-Dichloropropene
Concen: 22.801 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3
39	45.2	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 22.918 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS01

Tot Ion: 97 Resp: 185303

Ion Ratio Lower Upper

97 100

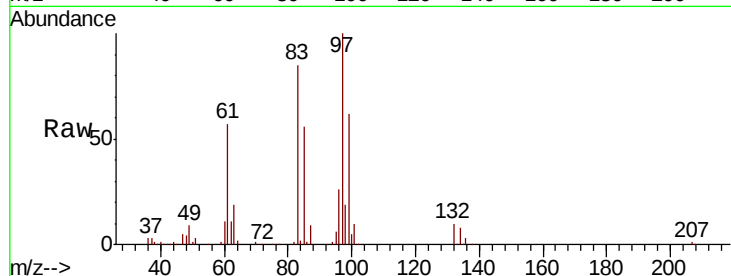
83 84.7 69.2 103.8

85 56.3 44.0 66.0

99 62.1 49.9 74.9

Manual Integrations
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MMDadoda
8/3/2018 9:36:06 AM



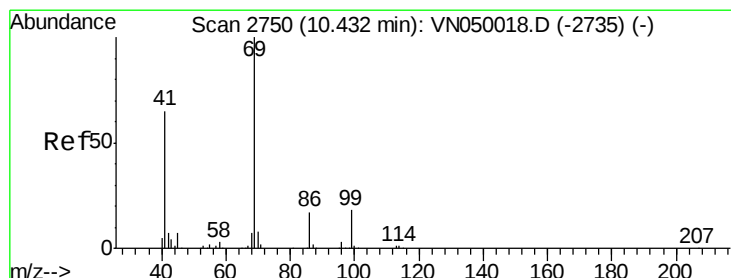
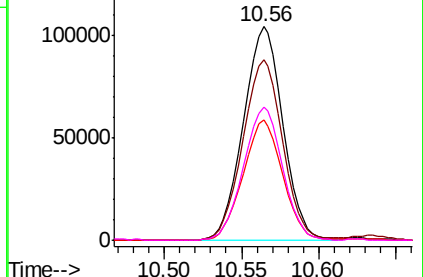
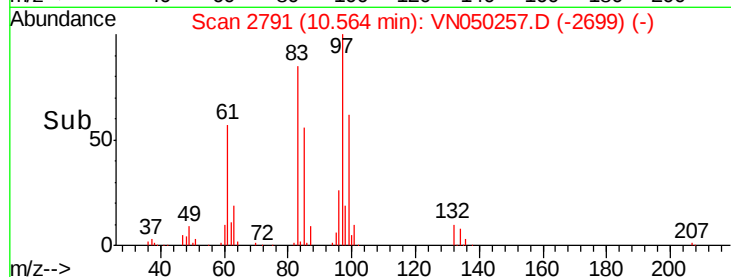
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.631 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

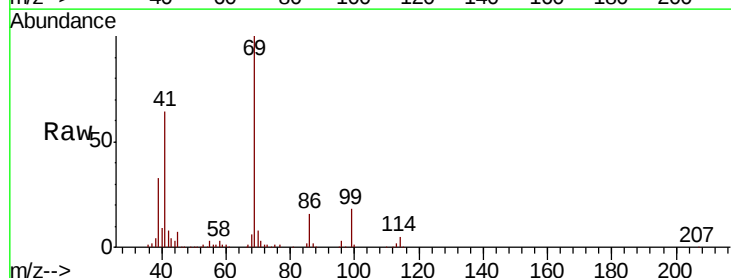
Tgt Ion: 69 Resp: 223773

Ion Ratio Lower Upper

69 100

41 63.5 51.0 76.4

39 33.7 26.6 40.0

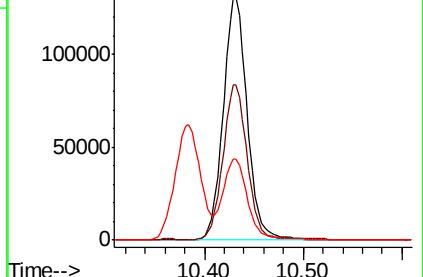
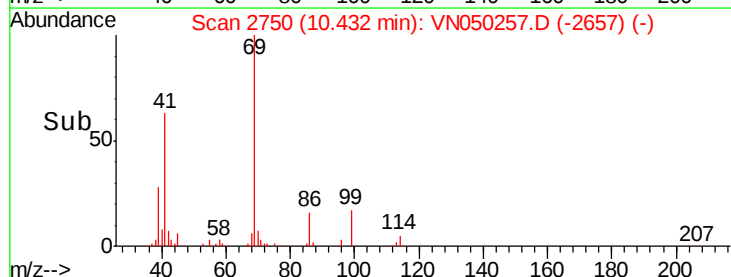


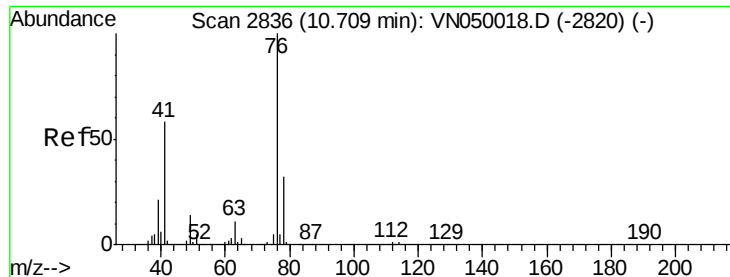
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





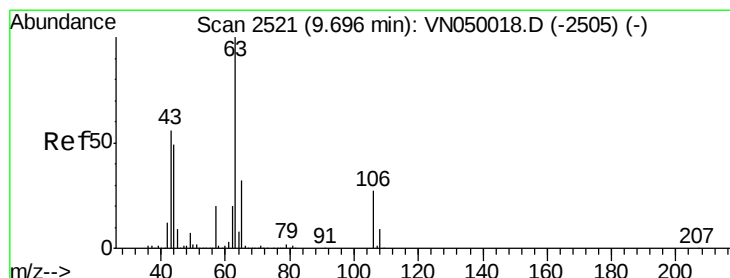
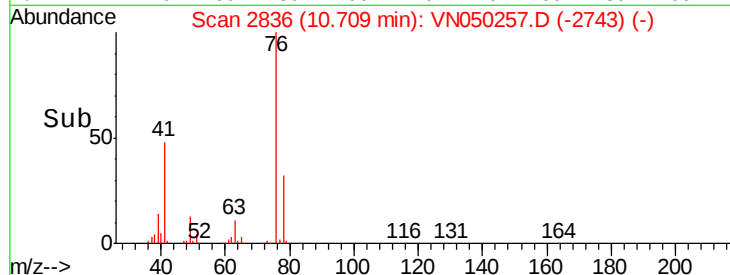
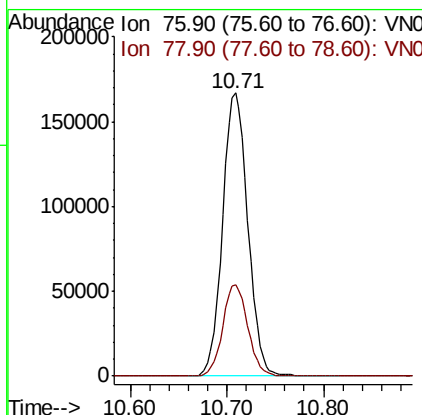
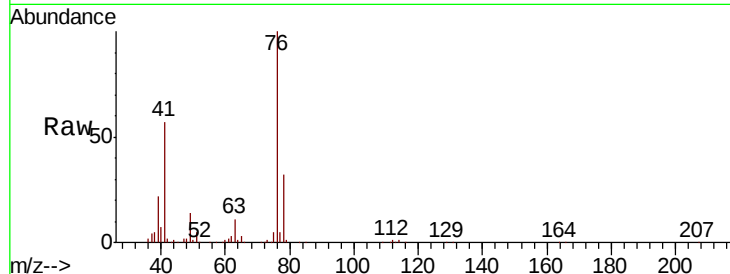
#57
 1,3-Dichloropropane
 Concen: 22.949 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

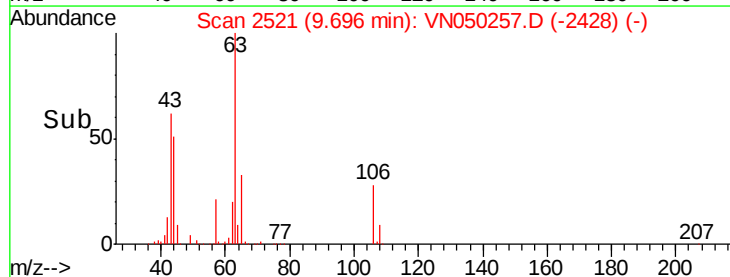
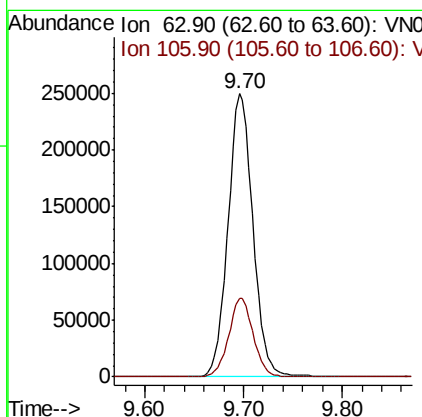
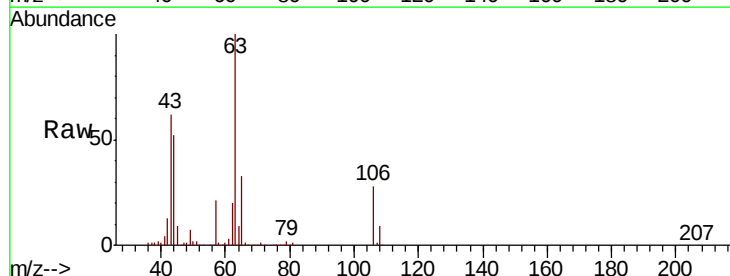
Manual Integrations
 APPROVED

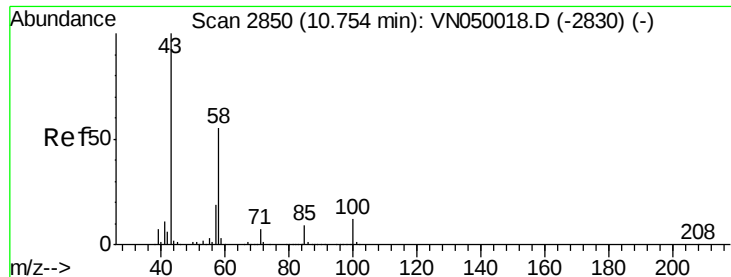
MMDadoda
 8/3/2018 9:36:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.962 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.7	32.5





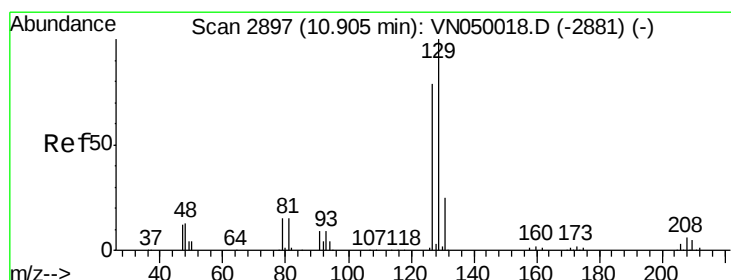
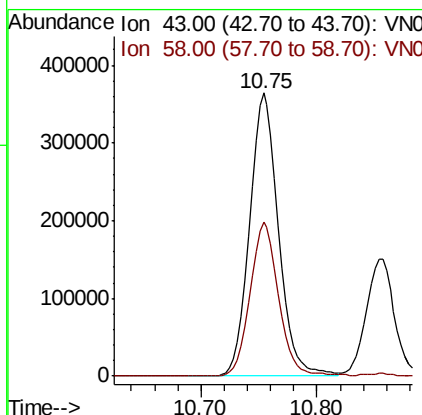
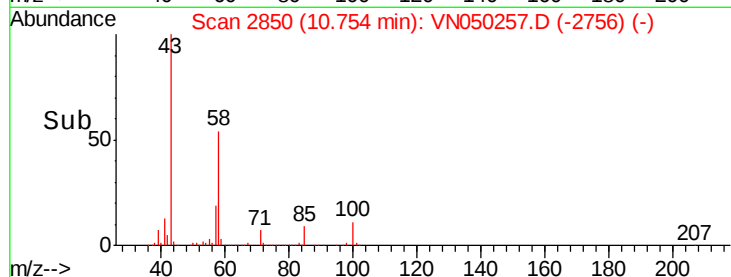
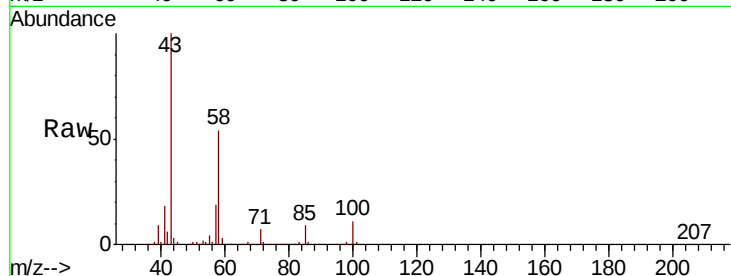
#59
2-Hexanone
Concen: 113.418 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS01

Tot Ion: 43 Resp: 631743
Ion Ratio Lower Upper
43 100
58 54.0 27.6 82.7

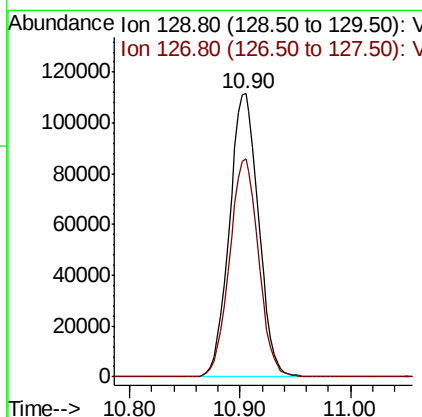
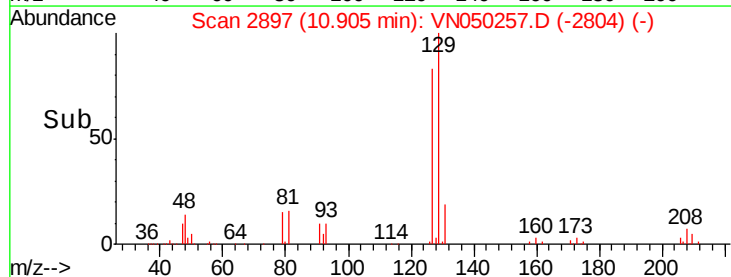
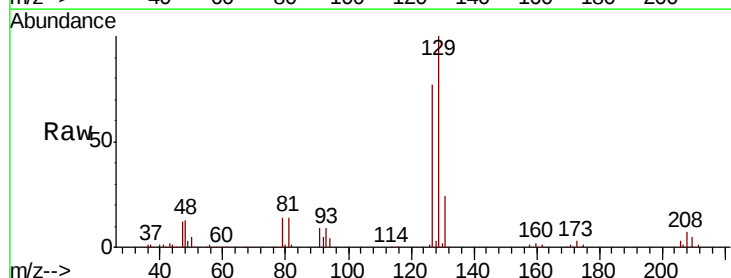
Manual Integrations
APPROVED

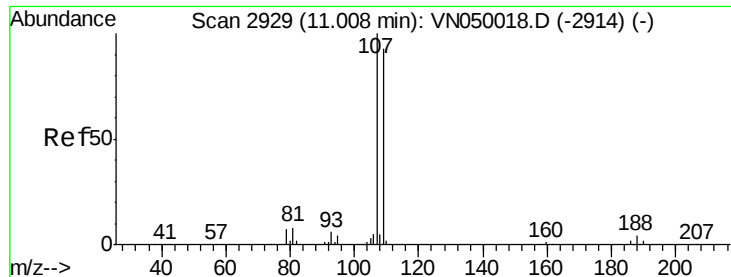
MMDadoda
8/3/2018 9:36:06 AM



#60
Dibromochloromethane
Concen: 22.866 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion: 129 Resp: 204701
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9





#61

1,2-Dibromoethane

Concen: 22.242 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0802WBS01

Tot Ion: 107 Resp: 178433

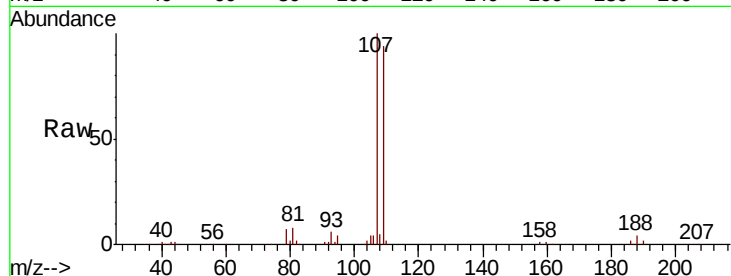
Ion Ratio Lower Upper

107 100

109 94.2 74.6 112.0

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:36:06 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

100000

80000

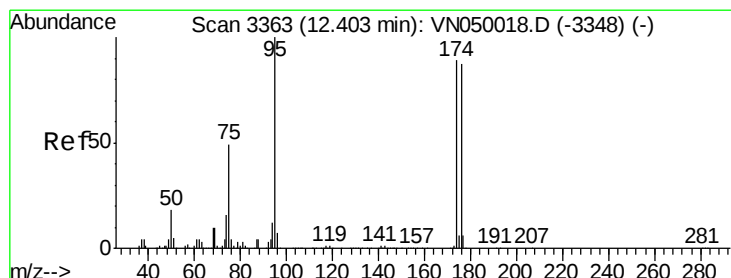
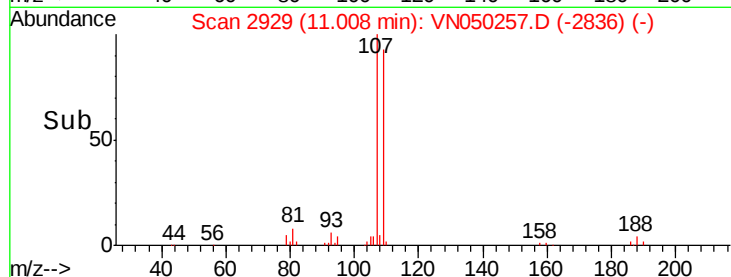
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 53.550 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

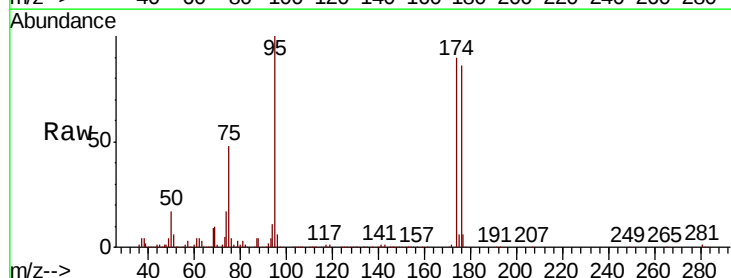
Tgt Ion: 95 Resp: 533145

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.2

176 86.6 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

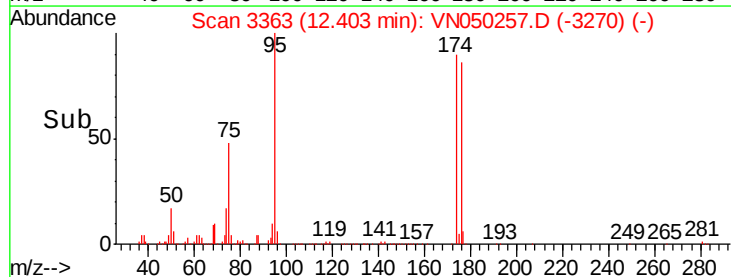
300000

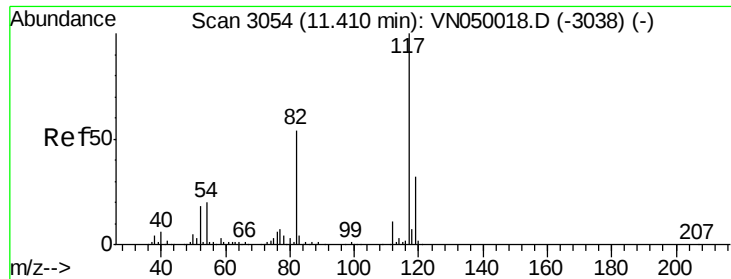
200000

100000

0

Time--> 12.35 12.40 12.45 12.50





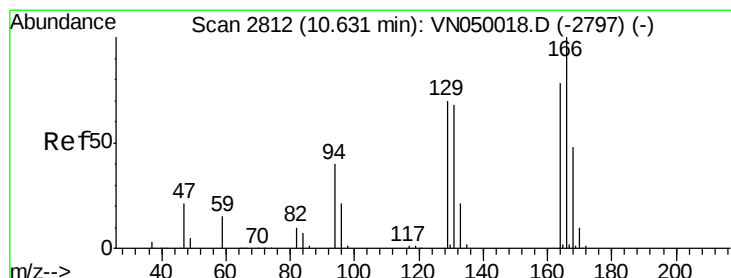
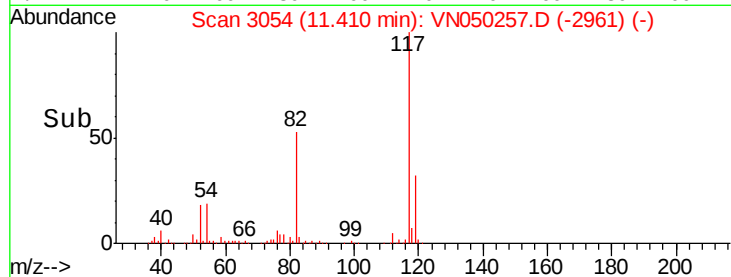
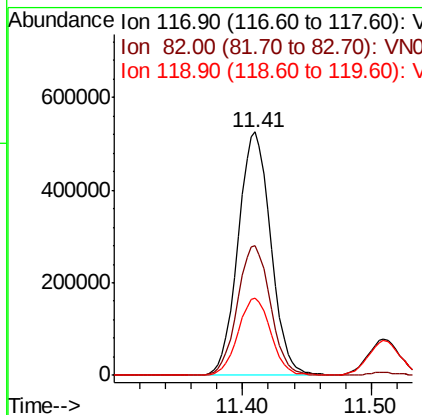
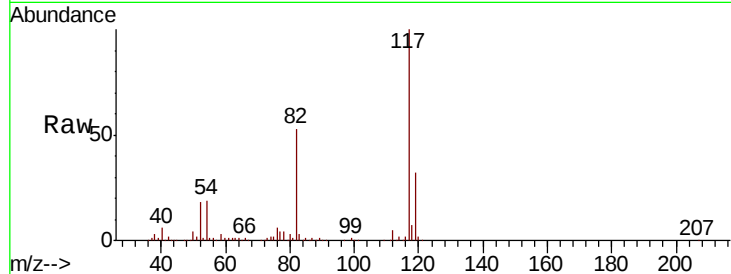
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.7	65.5
119	31.7	26.1	39.1

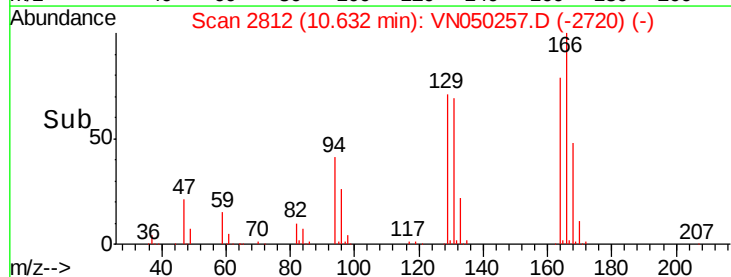
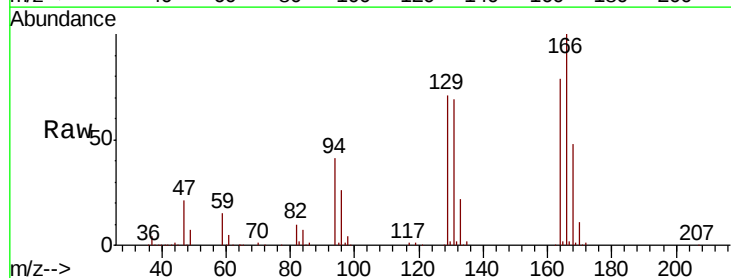
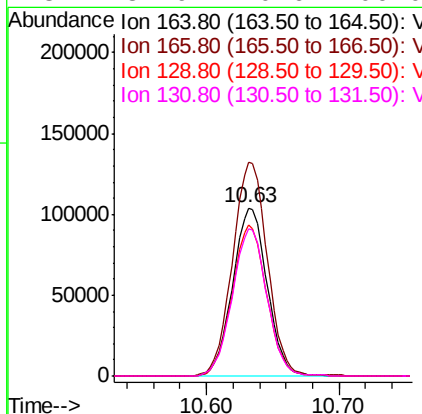
Manual Integrations
APPROVED

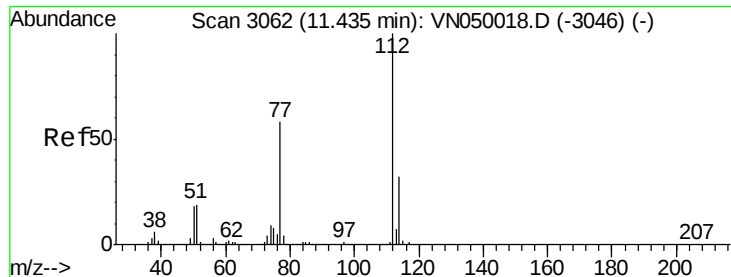
MMDadoda
8/3/2018 9:36:06 AM



#64
Tetrachloroethene
Concen: 21.005 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.1	153.1
129	90.1	73.2	109.8
131	87.9	70.6	106.0





#65

Chlorobenzene

Concen: 21.856 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS01

Tot Ion:112 Resp: 511720

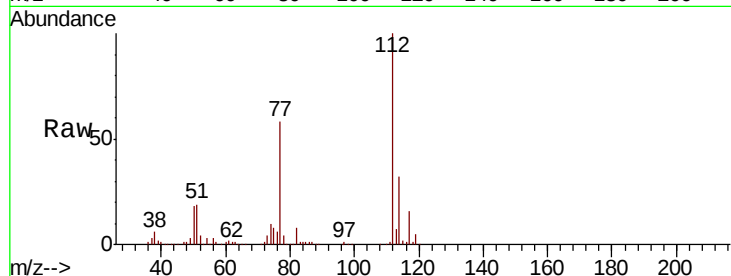
Ion Ratio Lower Upper

112 100

114 32.3 25.6 38.4

Manual Integrations
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8/3/2018 9:36:06 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

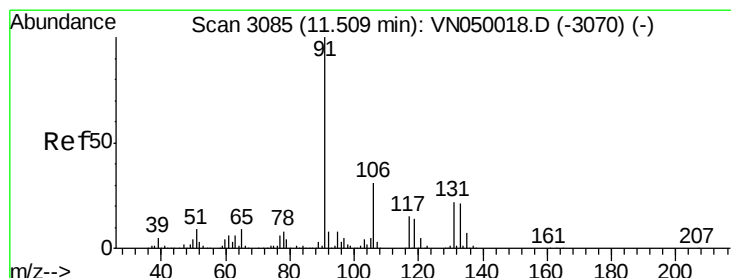
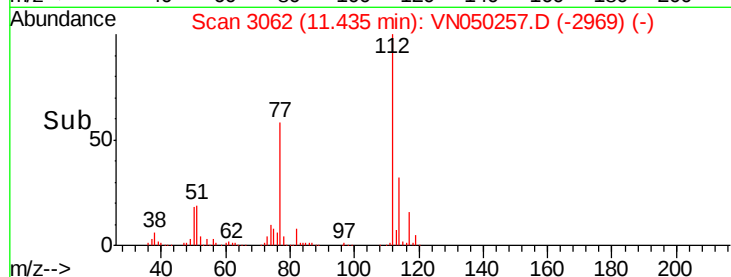
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.963 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

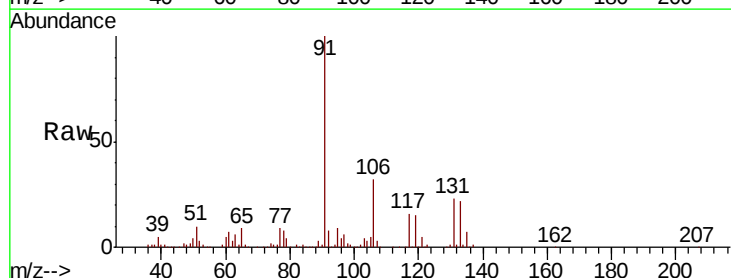
Tgt Ion:131 Resp: 197579

Ion Ratio Lower Upper

131 100

133 95.4 47.3 141.9

119 65.4 32.9 98.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

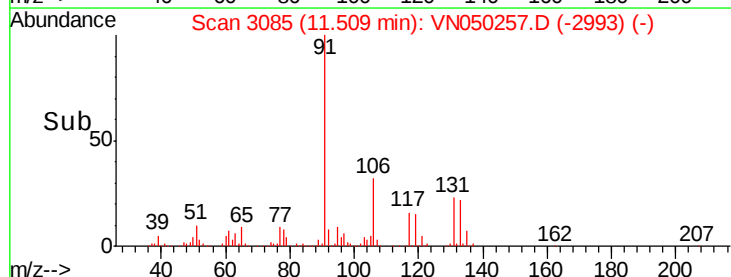
150000

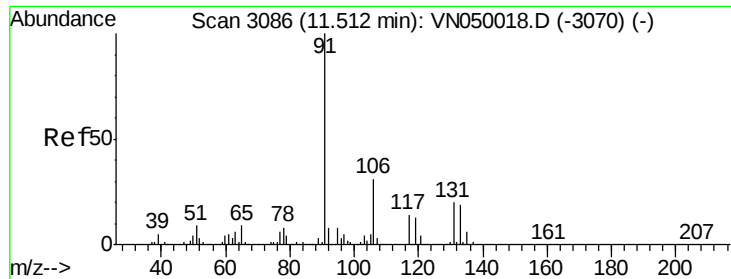
100000

50000

0

Time-->





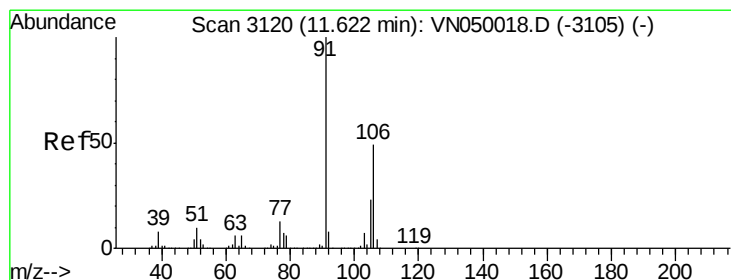
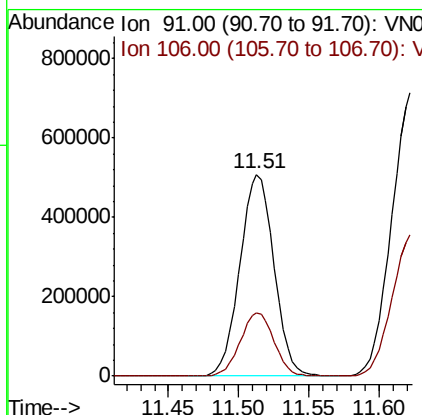
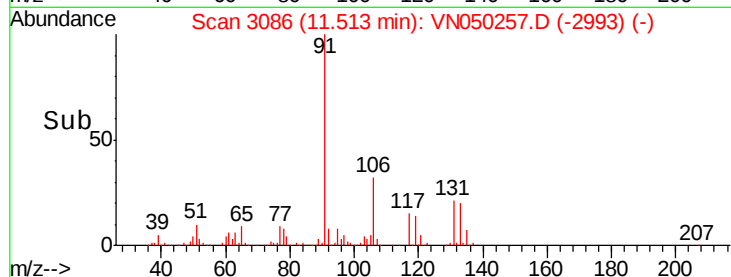
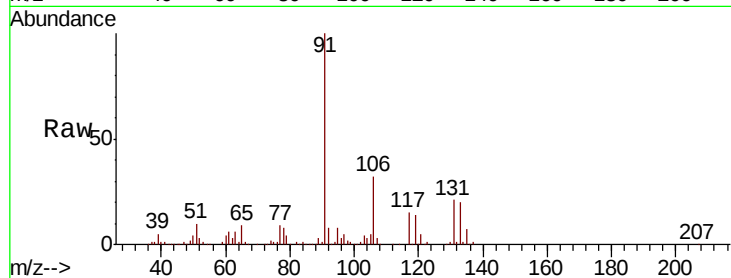
#67
Ethyl Benzene
Concen: 22.868 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS01

Tot Ion: 91 Resp: 860058
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4

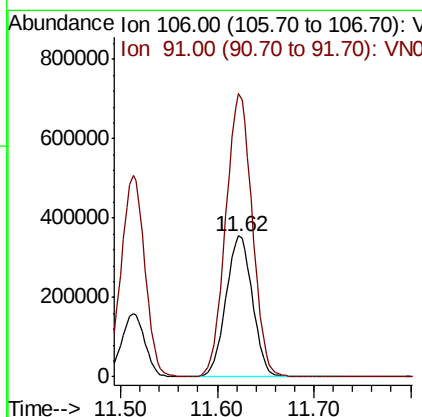
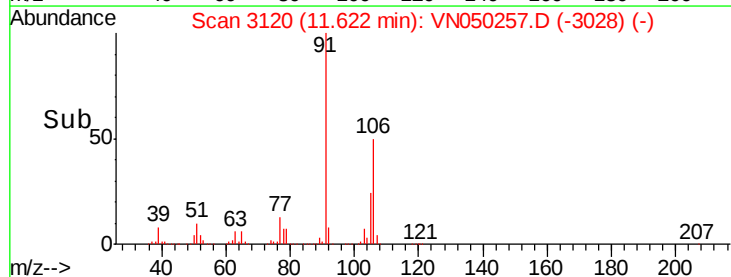
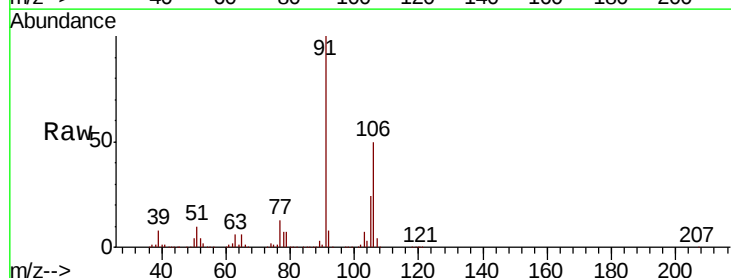
Manual Integrations
APPROVED

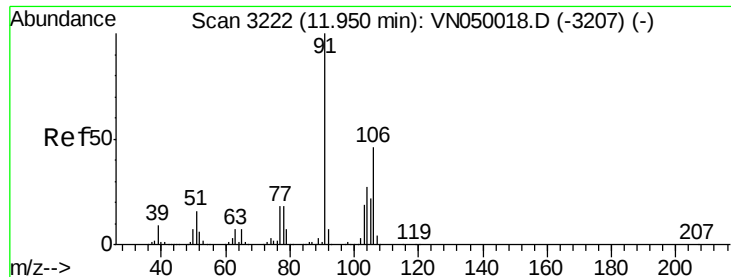
MMDadoda
8/3/2018 9:36:06 AM



#68
m/p-Xylenes
Concen: 47.442 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion: 106 Resp: 674904
Ion Ratio Lower Upper
106 100
91 201.3 162.2 243.2





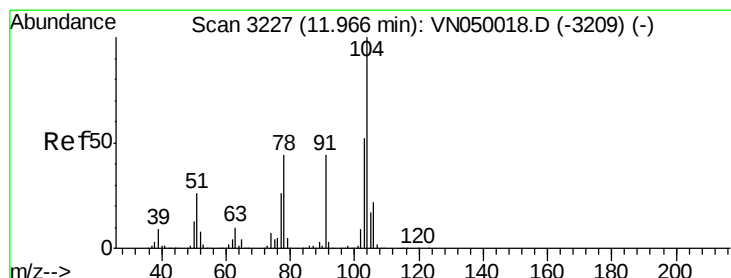
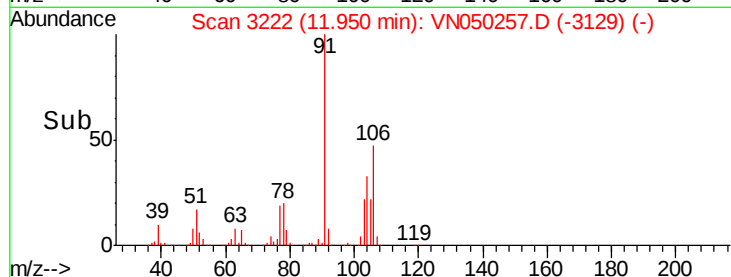
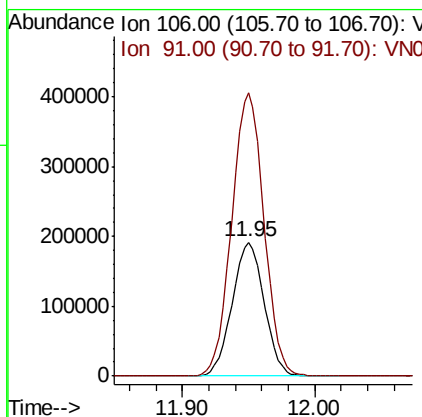
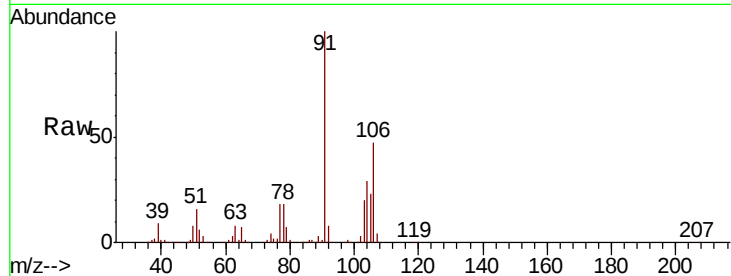
#69
o-Xylene
Concen: 23.673 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampled :
VN0802WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.9	107.7	323.1

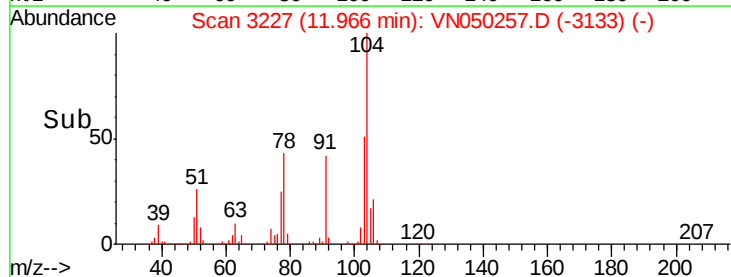
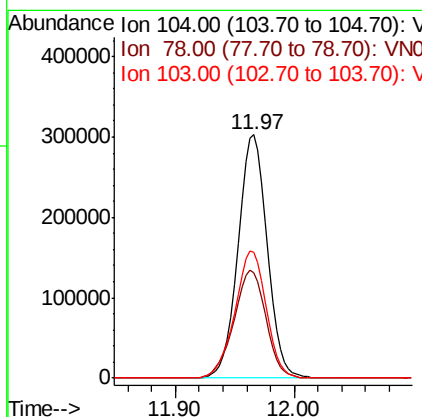
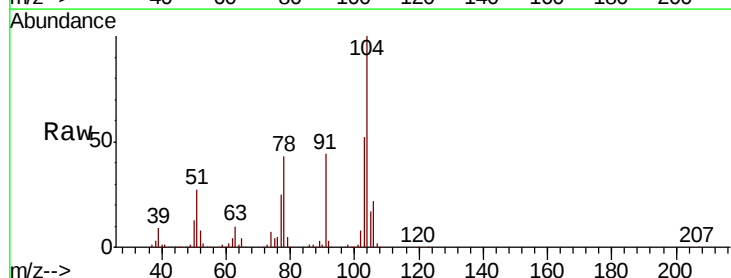
Manual Integrations
APPROVED

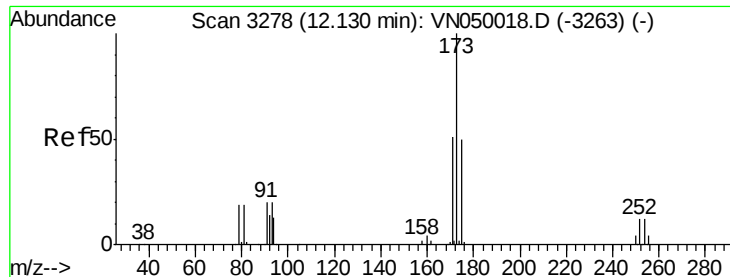
MMDadoda
8/3/2018 9:36:06 AM



#70
Styrene
Concen: 21.872 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	39.3	58.9
103	56.3	45.0	67.6





#71

Bromoform

Concen: 22.510 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS01

Tot Ion:173 Resp: 147307

Ion Ratio Lower Upper

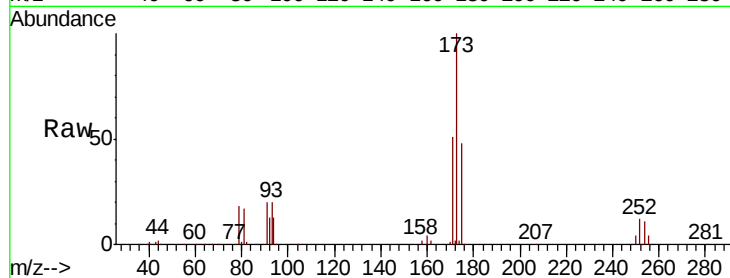
173 100

175 48.0 24.1 72.2

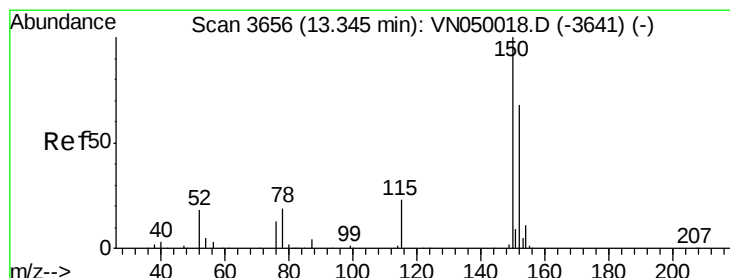
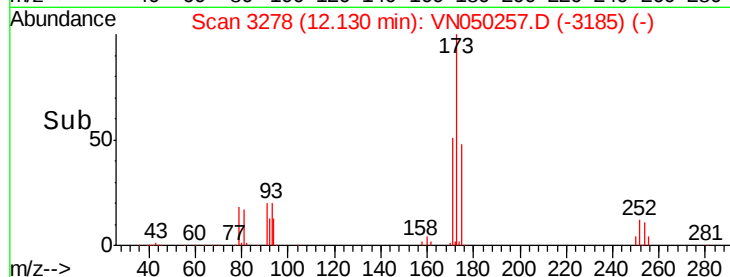
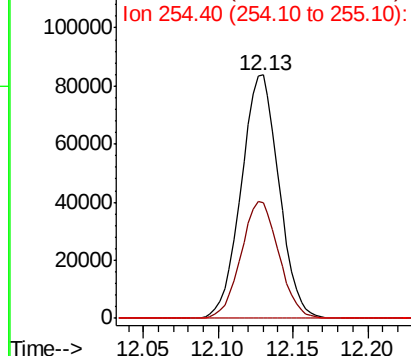
254 0.0 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:36:06 AM



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# 3656

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

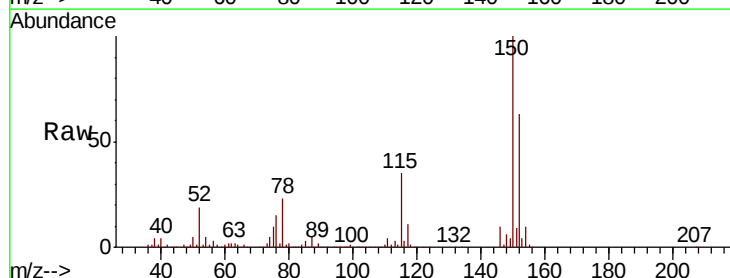
Tgt Ion:152 Resp: 483116

Ion Ratio Lower Upper

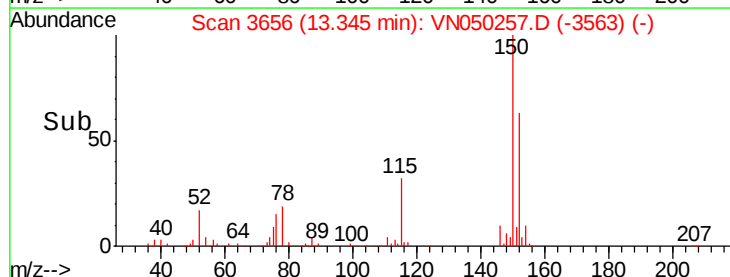
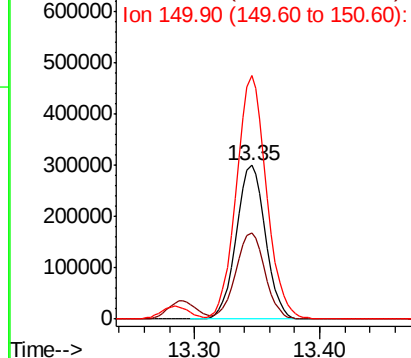
152 100

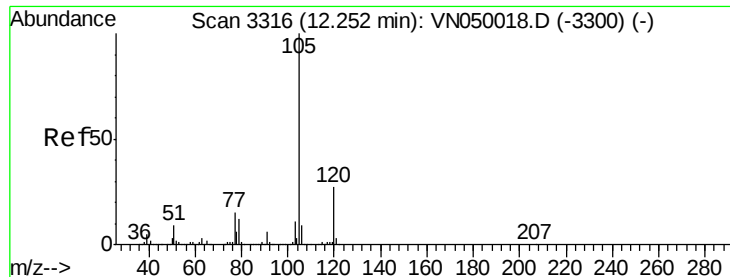
115 56.2 27.8 83.3

150 163.7 0.0 348.6



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: 23.007 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS01

Tot Ion: 105 Resp: 862029

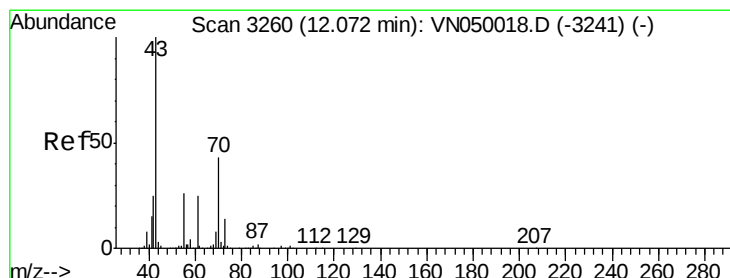
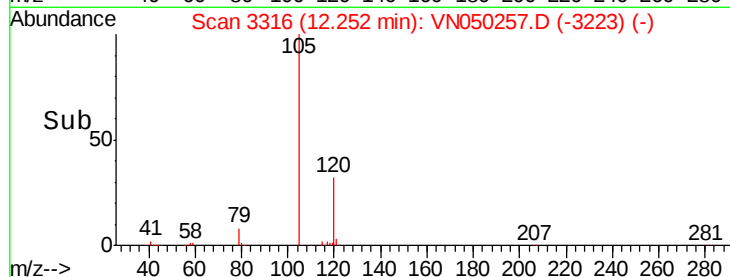
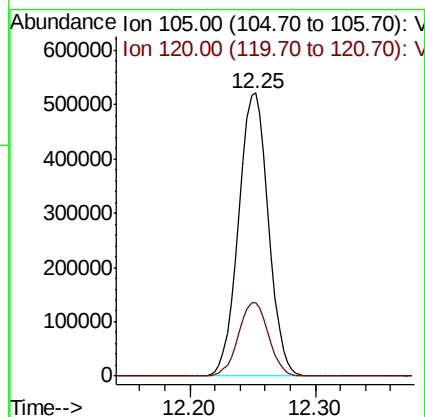
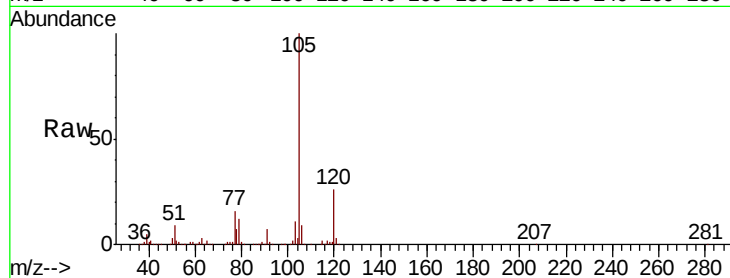
Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:36:06 AM



#74

N-ethyl acetate

Concen: 21.738 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Tgt Ion: 43 Resp: 248932

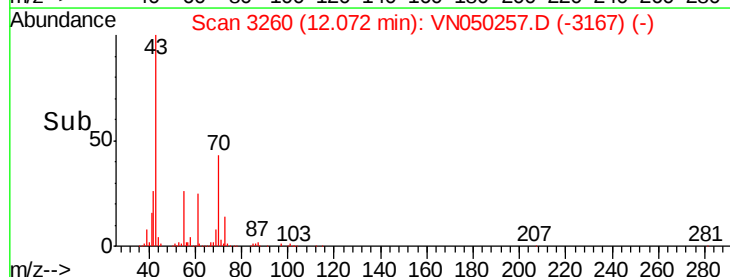
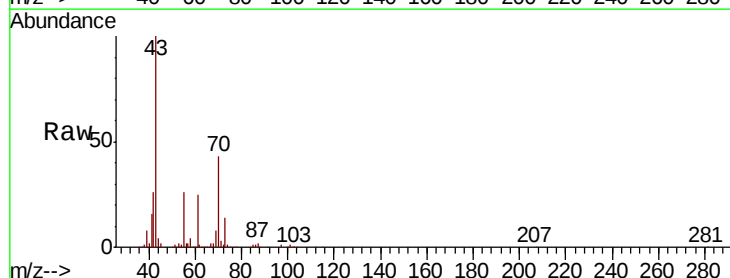
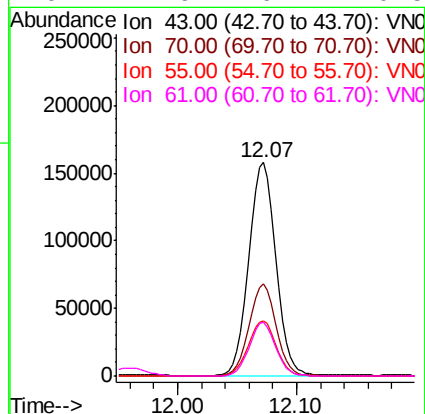
Ion Ratio Lower Upper

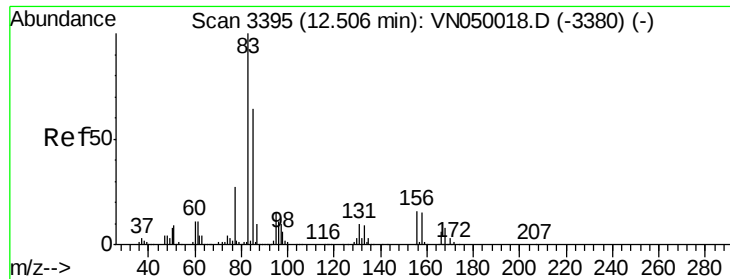
43 100

70 43.1 34.4 51.6

55 26.9 20.8 31.2

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 23.075 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

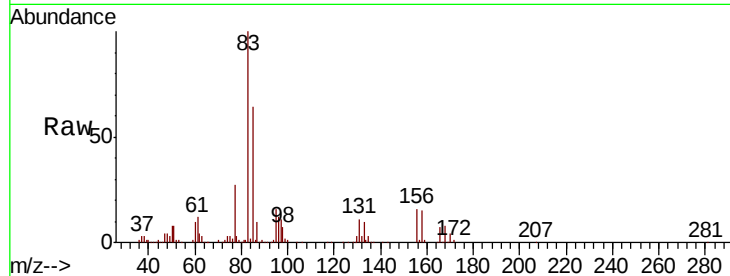
VN0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	240456		

83	100		
131	10.6	5.1	15.3
85	63.8	32.3	96.8

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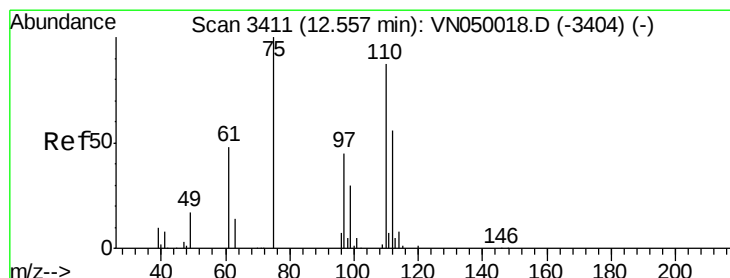
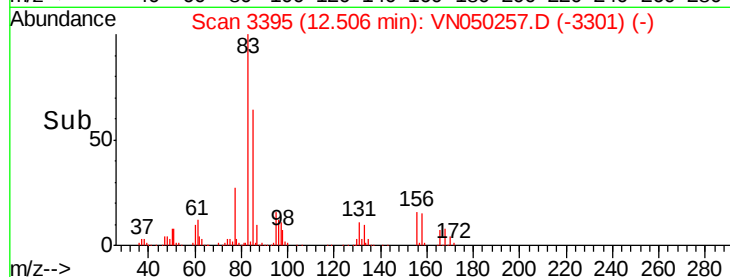
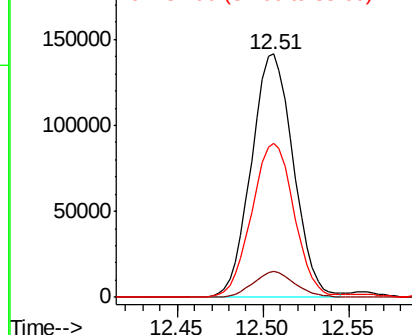
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050018.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050018.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 20.780 ug/l m

RT: 12.55 min Scan# 3410

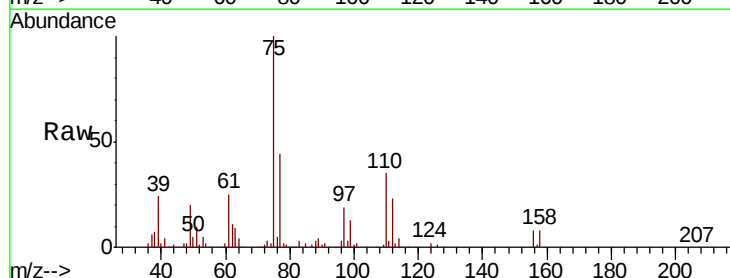
Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

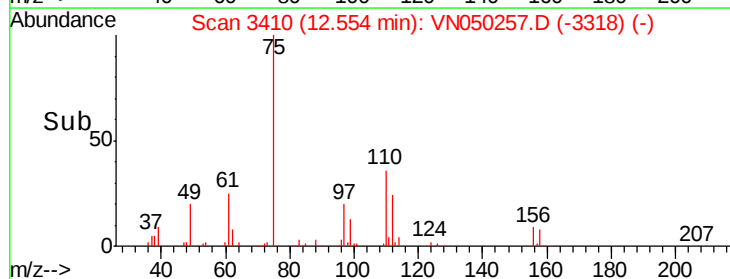
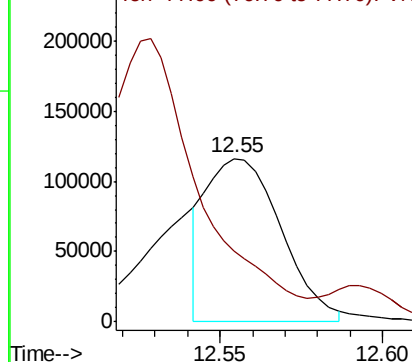
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	186572		

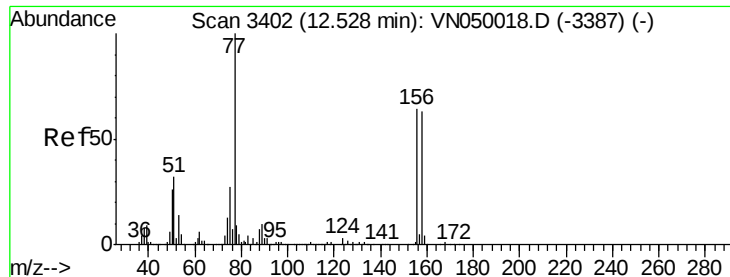
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3404) (-)





#77

Bromobenzene

Concen: 21.585 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

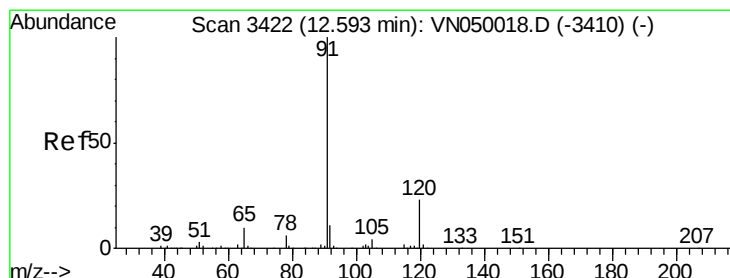
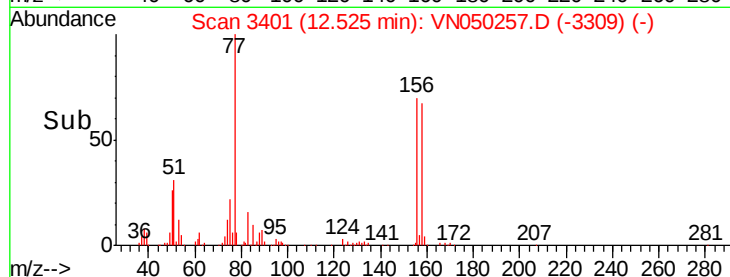
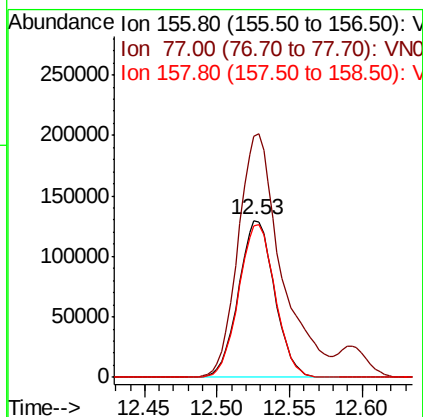
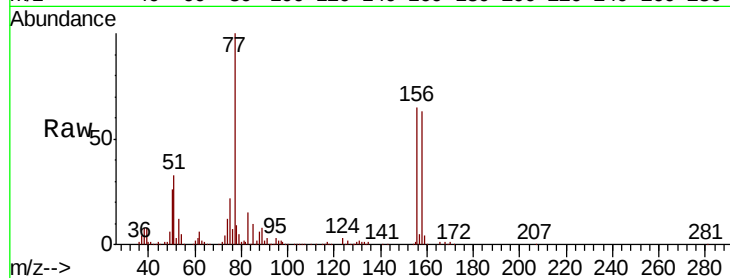
ClientSampled :

VN0802WBS01

Tot Ion:	156	Resp:	224155
Ion Ratio	Lower	Upper	
156	100		
77	185.3	91.7	275.1
158	98.2	48.9	146.6

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#78

n-propylbenzene

Concen: 23.695 ug/l

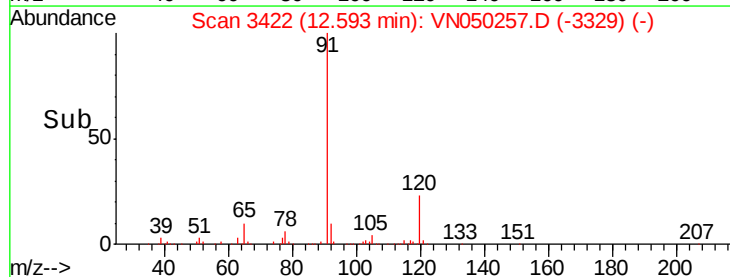
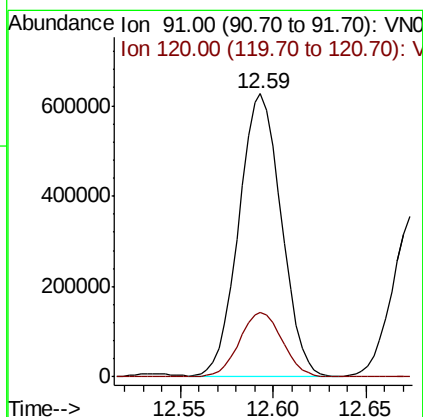
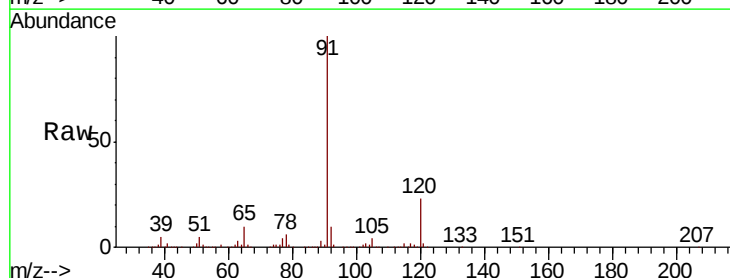
RT: 12.59 min Scan# 3422

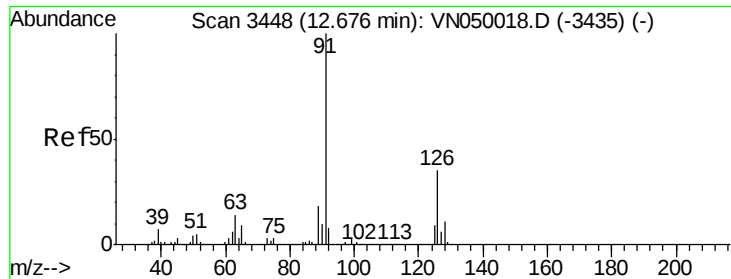
Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Tgt Ion:	91	Resp:	992348
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.6	34.7





#79

2-Chlorotoluene

Concen: 22.941 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS01

Tot Ion: 91 Resp: 595481

Ion Ratio Lower Upper

91 100

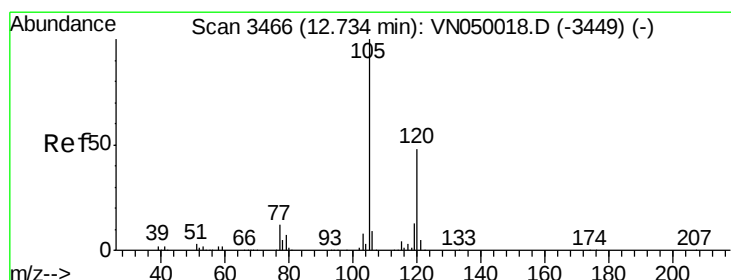
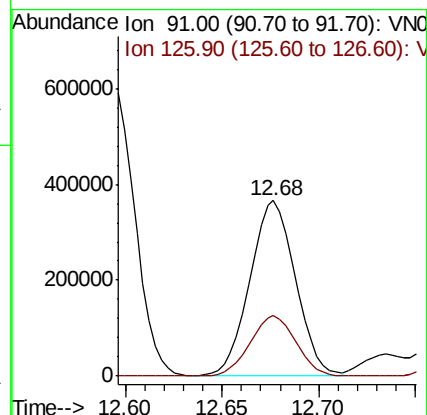
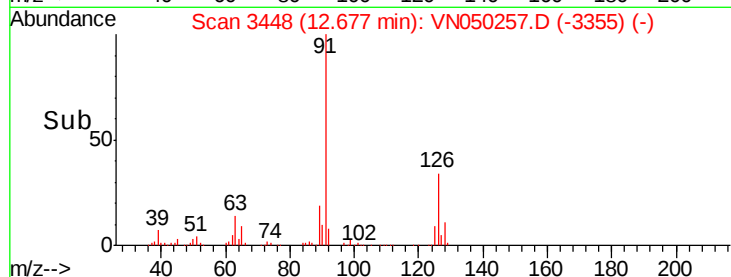
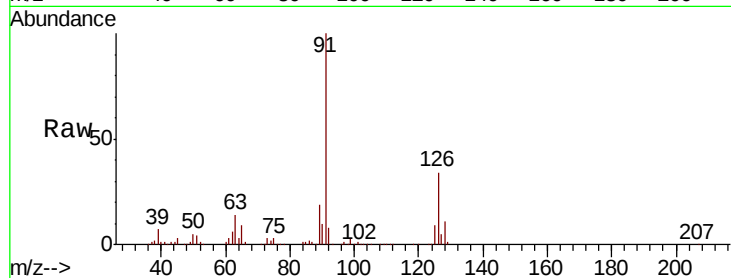
126 34.8 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 24.108 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050257.D

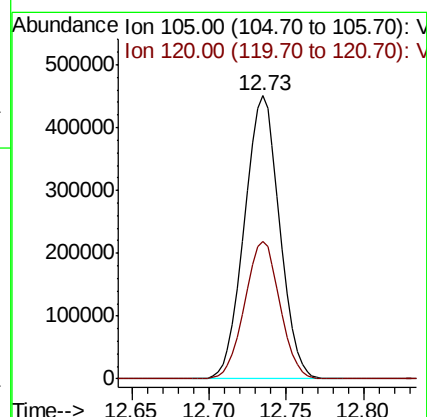
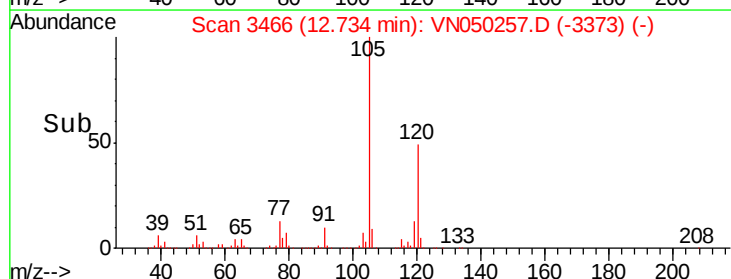
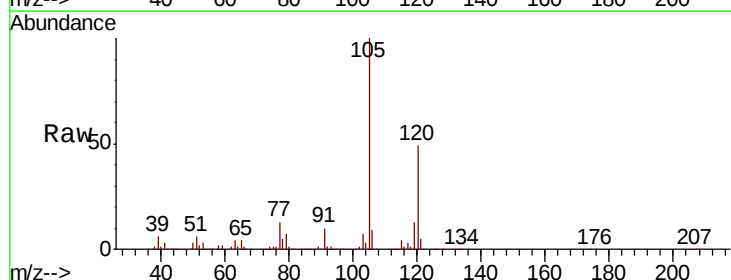
Acq: 2 Aug 2018 12:24

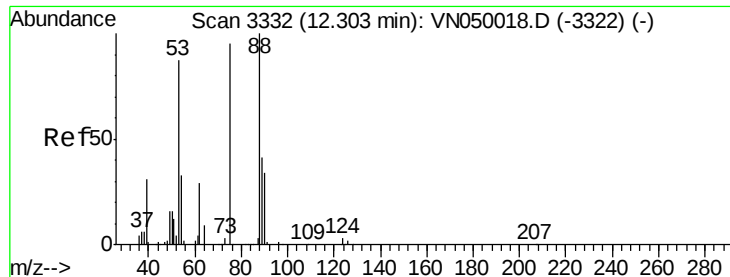
Tgt Ion: 105 Resp: 710528

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 22.059 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS01

Tot Ion: 75 Resp: 62442

Ion Ratio Lower Upper

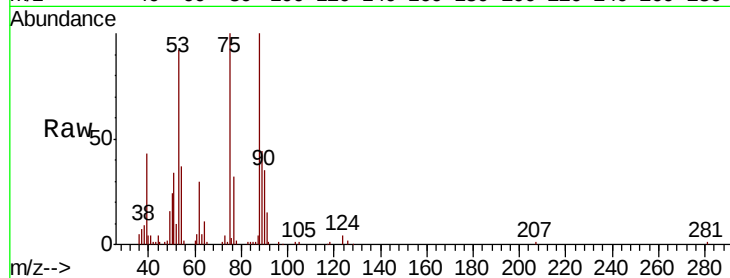
75 100

53 91.3 73.5 110.3

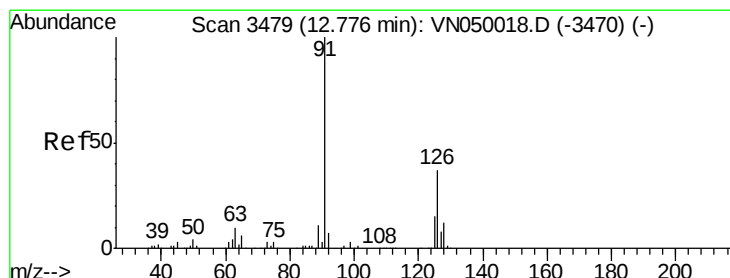
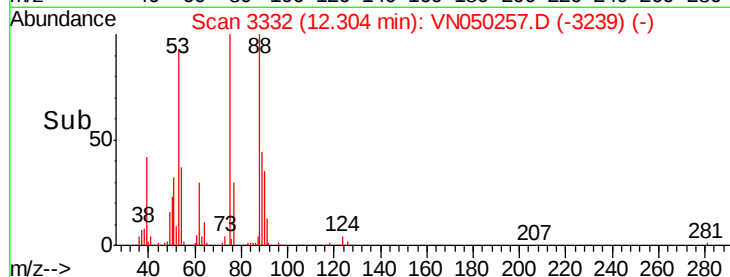
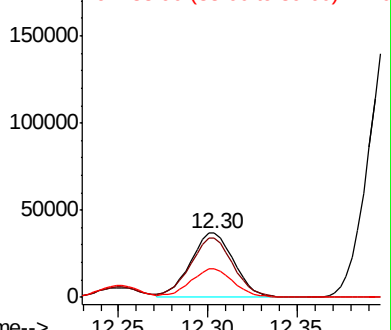
89 44.6 36.0 54.0

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Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 23.683 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050257.D

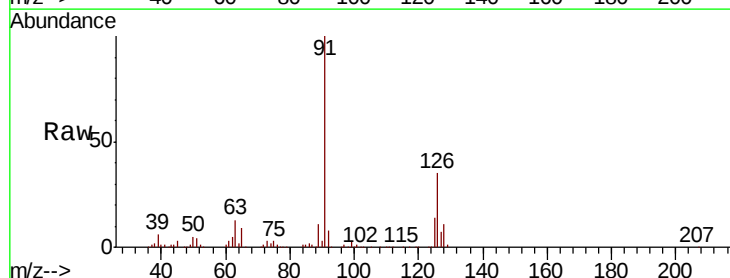
Acq: 2 Aug 2018 12:24

Tgt Ion: 91 Resp: 608770

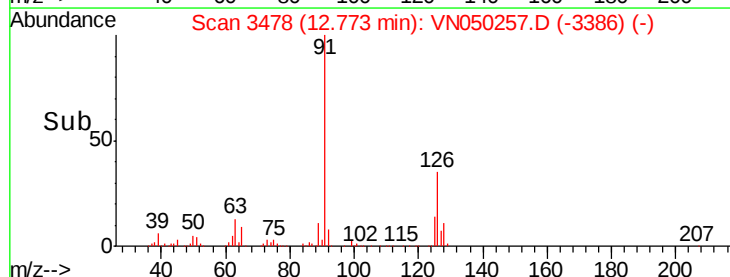
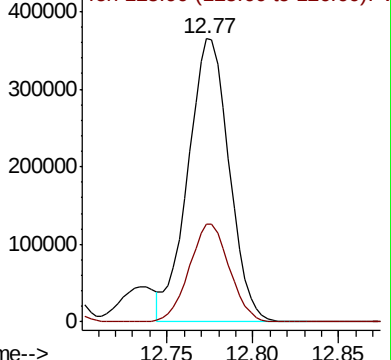
Ion Ratio Lower Upper

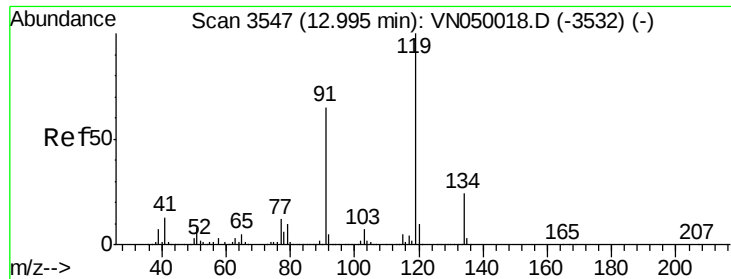
91 100

126 33.9 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





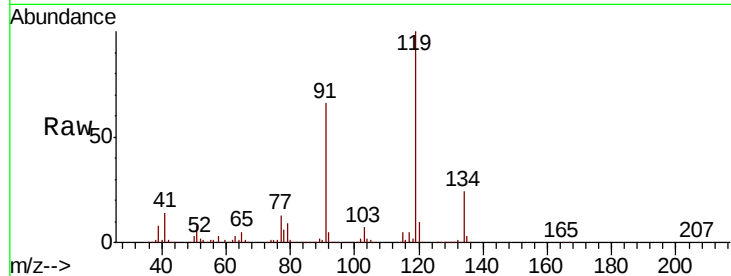
#83
 tert-Butylbenzene
 Concen: 23.792 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802WBS01

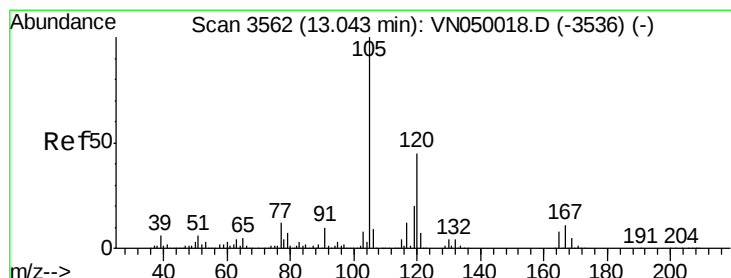
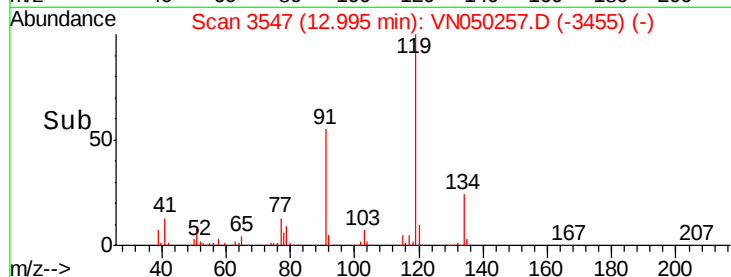
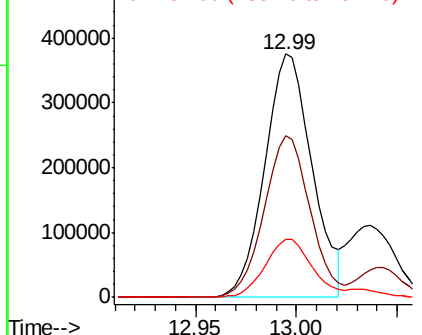
Tot Ion	Ratio	Resp	Lower	Upper
119	100	611919		
91	64.6	32.1	96.3	
134	23.9	13.2	39.5	

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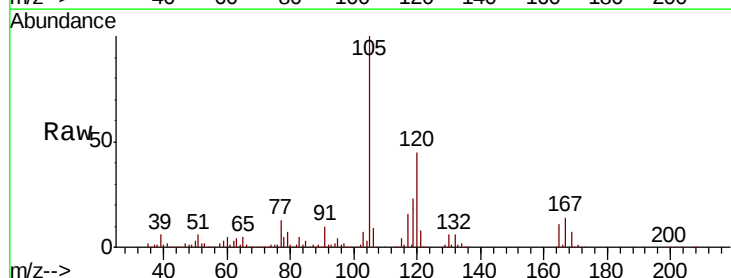


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

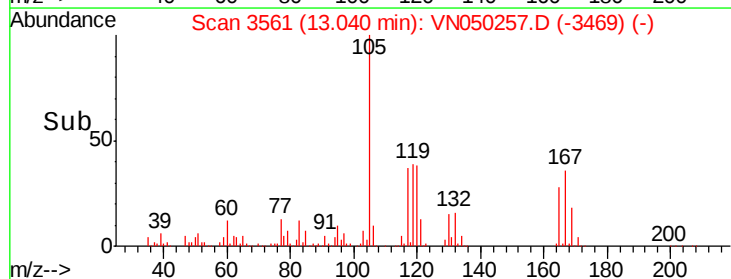
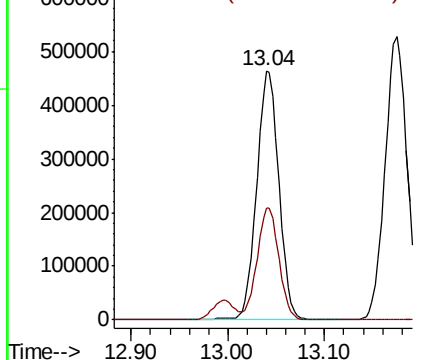


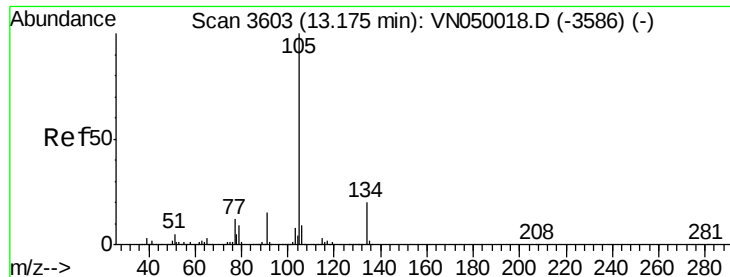
#84
 1,2,4-Trimethylbenzene
 Concen: 24.842 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	737973		
120	44.3	22.9	68.7	



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 24.122 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS01

Tot Ion:105 Resp: 828958

Ion Ratio Lower Upper

105 100

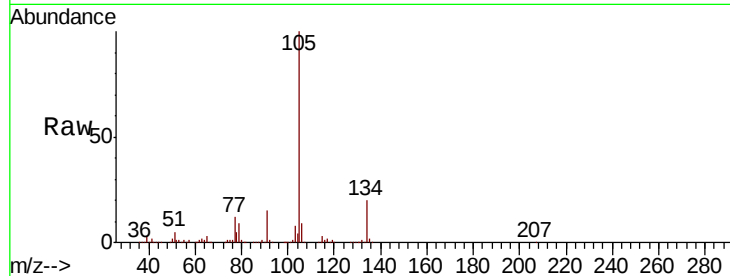
134 20.2 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

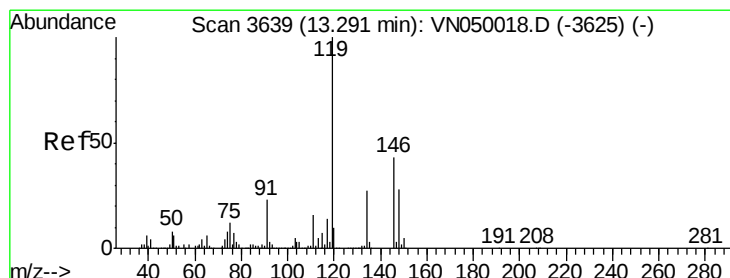
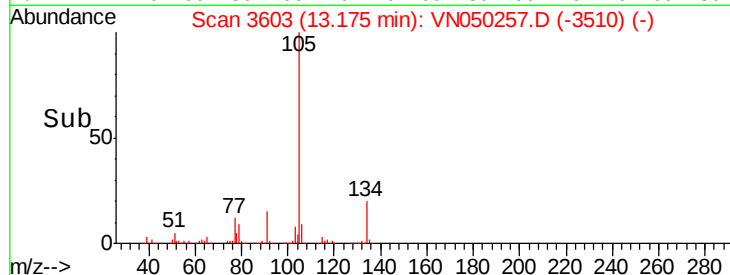
300000

200000

100000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 24.769 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050257.D

Acq: 2 Aug 2018 12:24

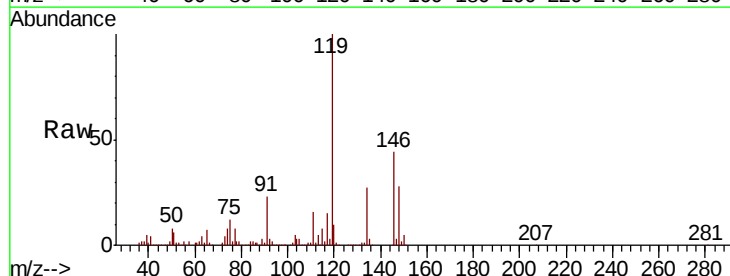
Tgt Ion:119 Resp: 717245

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.7 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

600000

500000

400000

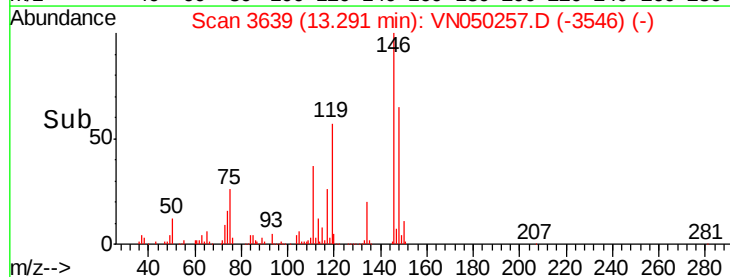
300000

200000

100000

0

Time--> 13.20 13.25 13.30 13.35





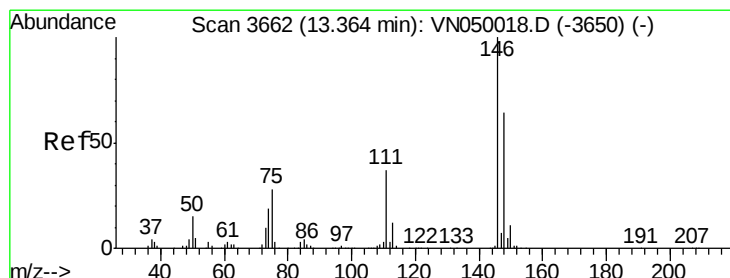
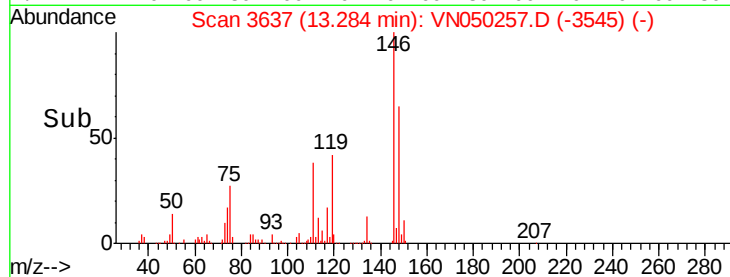
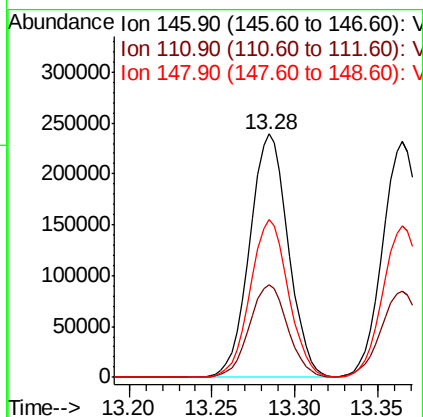
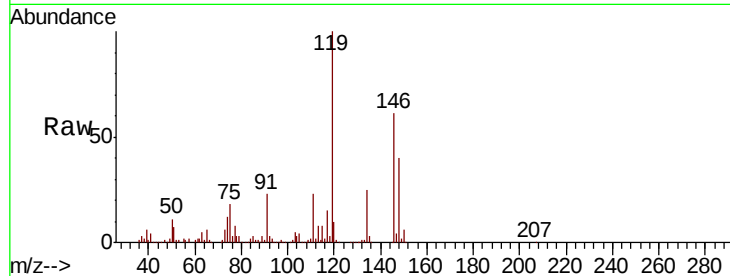
#87
 1,3-Dichlorobenzene
 Concen: 22.041 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	64.2	31.9	95.9

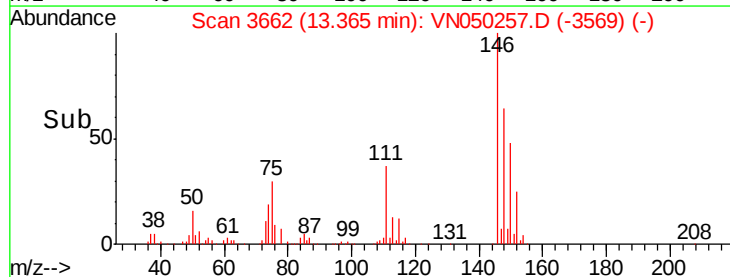
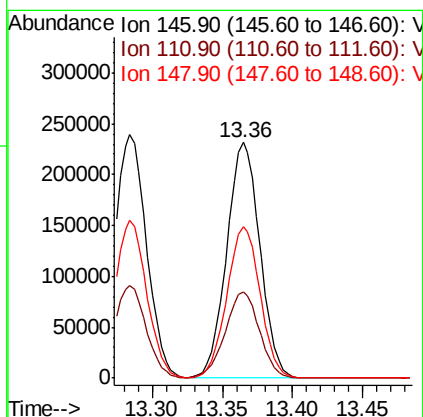
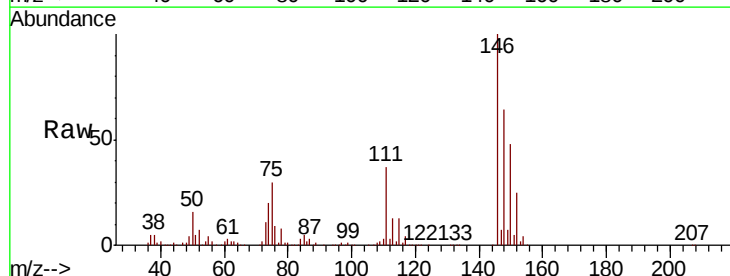
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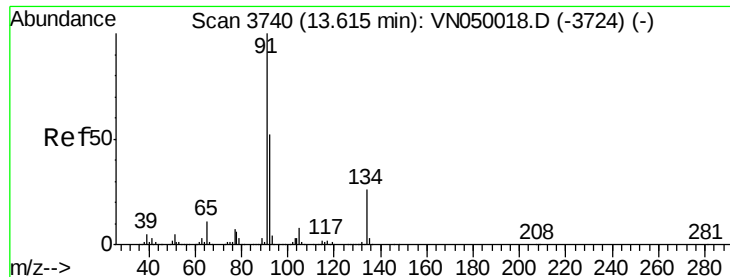
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#88
 1,4-Dichlorobenzene
 Concen: 22.214 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.3	54.9
148	64.3	31.9	95.9





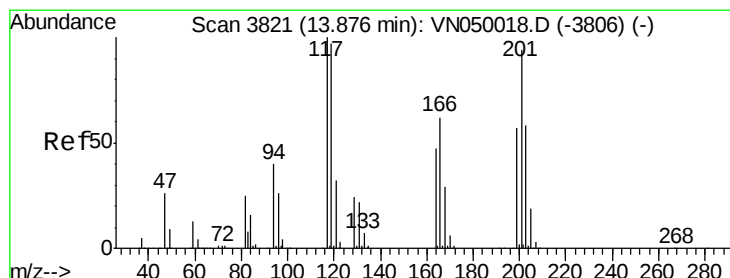
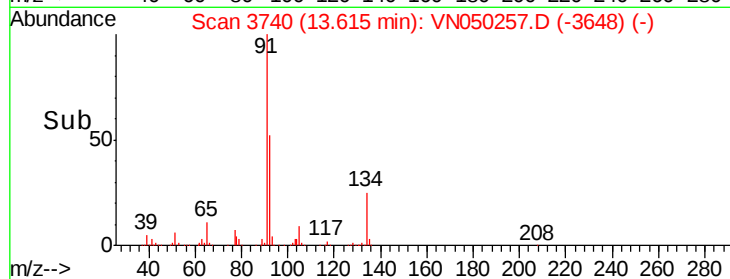
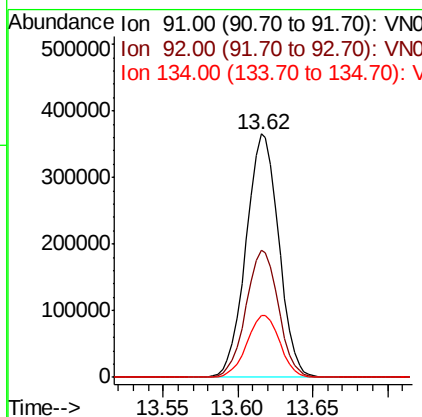
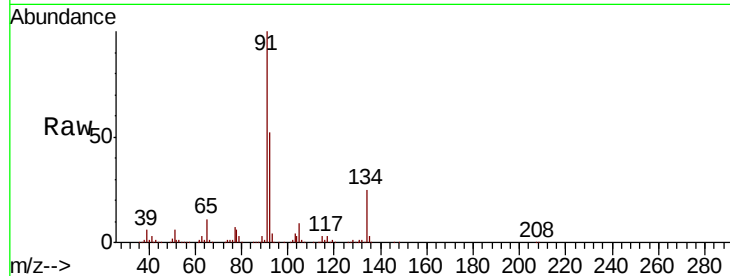
#89
n-Butylbenzene
Concen: 23.368 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.8	77.4
134	25.7	12.8	38.4

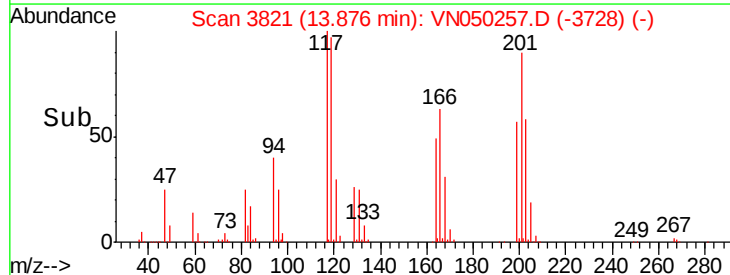
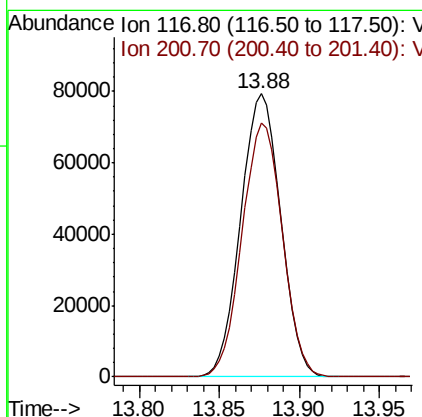
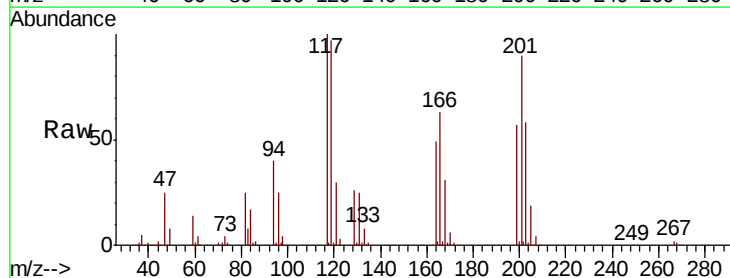
Manual Integrations
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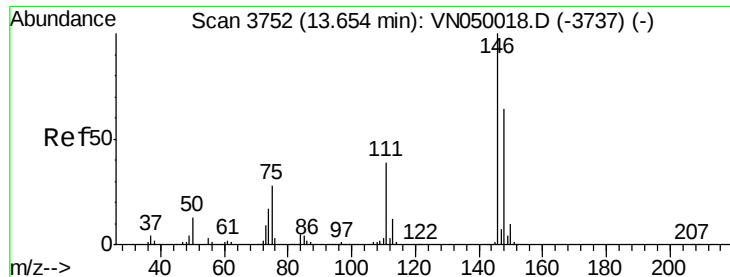
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#90
Hexachloroethane
Concen: 21.183 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	45.6	136.8





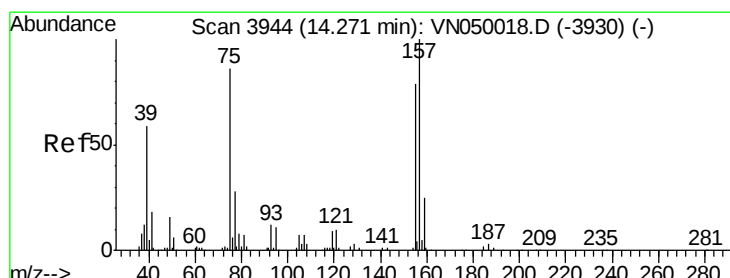
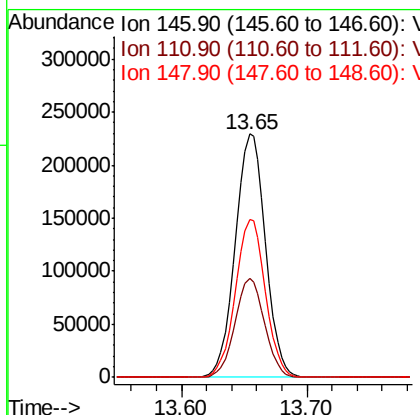
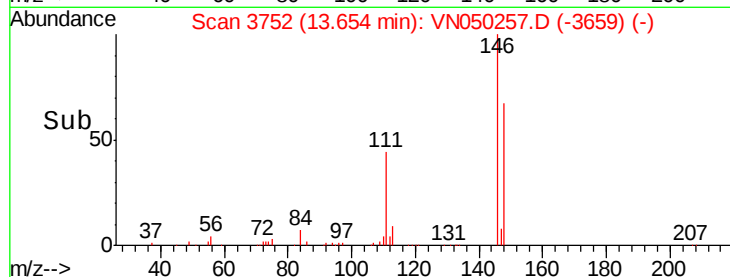
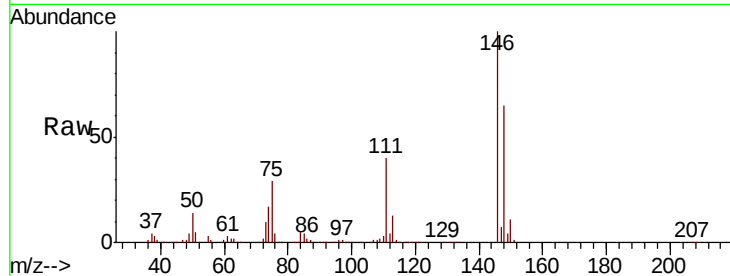
#91
 1,2-Dichlorobenzene
 Concen: 21.785 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	64.4	32.1	96.3

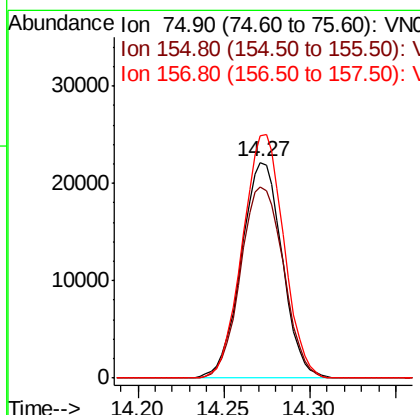
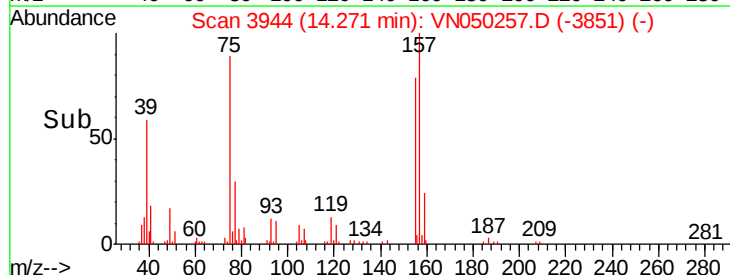
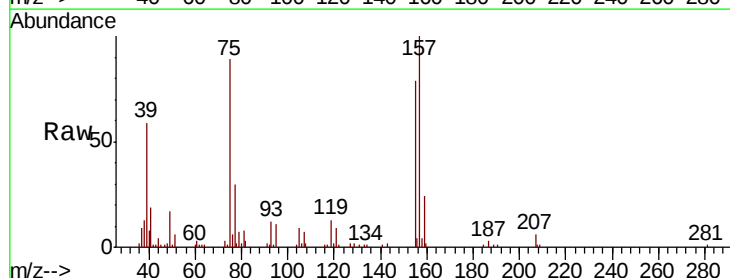
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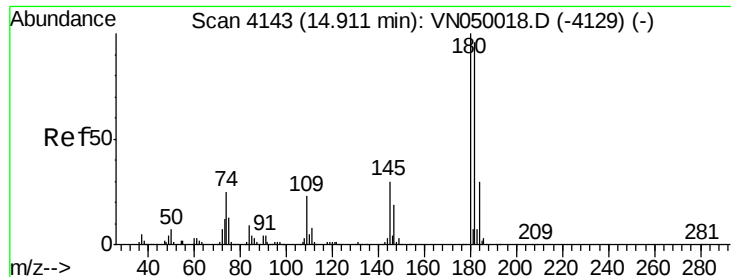
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.480 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	44.8	134.4
157	113.7	57.2	171.6





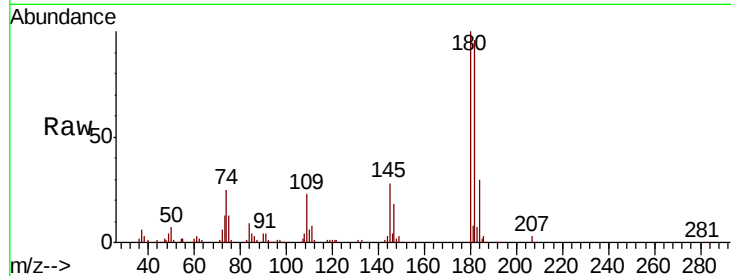
#93
 1,2,4-Trichlorobenzene
 Concen: 20.417 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802WBS01

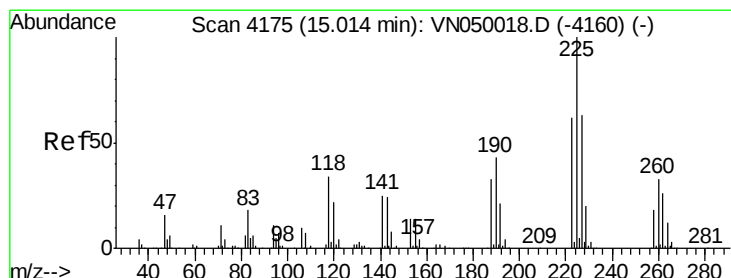
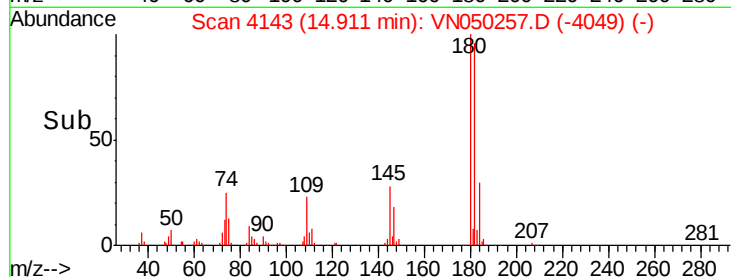
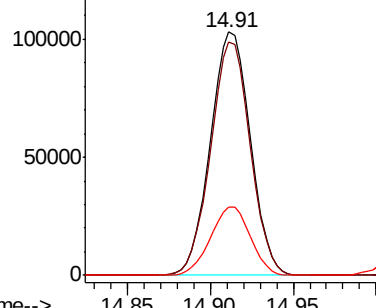
Tot Ion:	180	Resp:	172389
Ion Ratio	Lower	Upper	
180	100		
182	95.2	46.7	140.1
145	28.2	13.8	41.4

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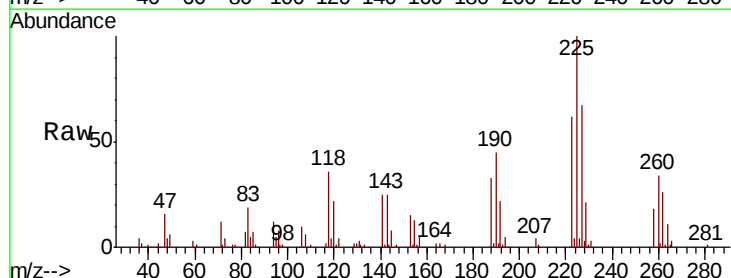


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

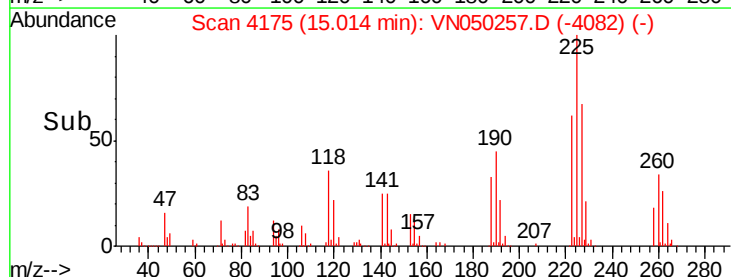
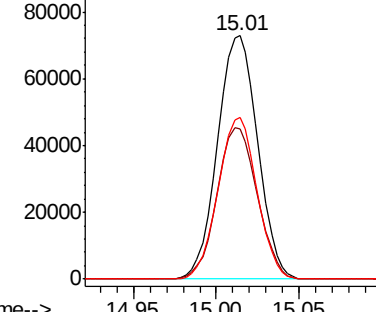


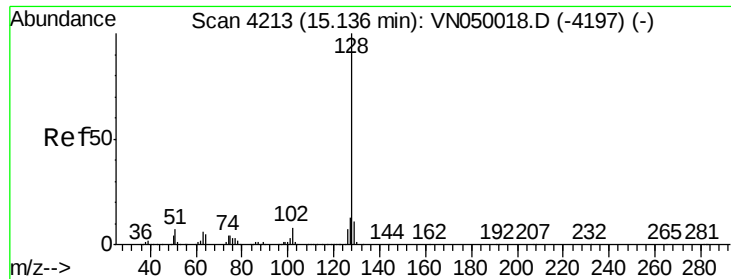
#94
 Hexachlorobutadiene
 Concen: 22.866 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050257.D
 Acq: 2 Aug 2018 12:24

Tgt Ion:	225	Resp:	123188
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.4	94.2
227	64.1	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





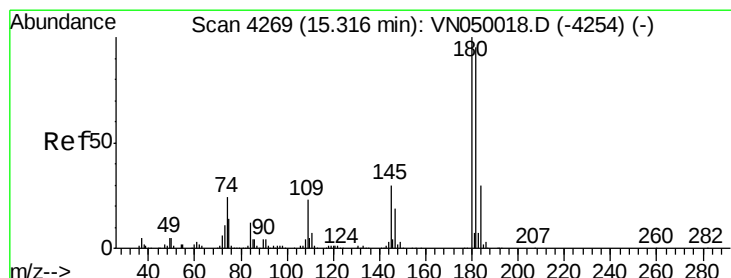
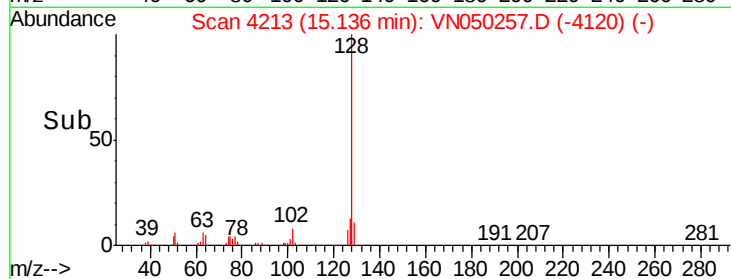
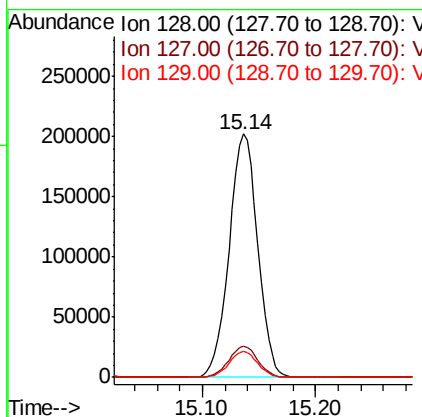
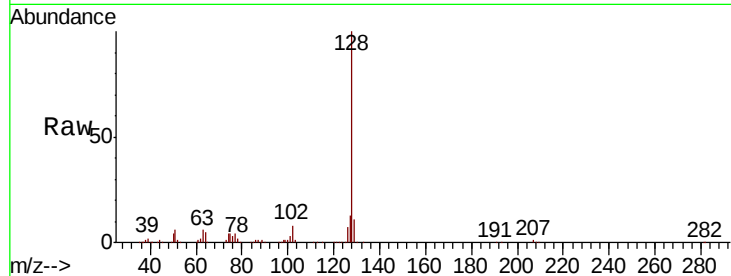
#95
Naphthalene
Concen: 19.068 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	354611		
127	13.1	10.4	15.6	
129	10.7	8.8	13.2	

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#96
1,2,3-Trichlorobenzene
Concen: 20.564 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050257.D
Acq: 2 Aug 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	174583		
182	97.6	48.1	144.4	
145	30.6	15.3	45.9	

