

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052358.D
 Acq On : 16 Nov 2018 12:20
 Operator : MD\SY
 Sample : VN1116WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:46:01 PM

Quant Time: Nov 16 23:24:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	43245	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	253027	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	218818	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	111144	34.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	115.43%
60) 4-Bromofluorobenzene	12.40	95	101789	29.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.93%
63) Toluene-d8	10.09	98	312614	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	57751	19.995 ug/l	98
3) Chloromethane	2.06	50	63825	19.335 ug/l	96
4) Vinyl Chloride	2.19	62	58362	18.023 ug/l	98
5) Bromomethane	2.57	94	21994	9.951 ug/l	100
6) Chloroethane	2.71	64	32186	15.545 ug/l	98
7) Trichlorofluoromethane	3.03	101	84775	19.332 ug/l	95
8) Diethyl Ether	3.42	74	29264	19.765 ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.77	101	50825	19.831 ug/l	97
10) 1,1-Dichloroethene	3.74	96	44714	18.697 ug/l	95
11) Methyl Iodide	3.96	142	36559	10.573 ug/l	98
12) Methyl Acetate	4.33	43	47198	23.447 ug/l	99
13) Acrolein	3.61	56	17950	84.072 ug/l	98
14) Acrylonitrile	4.99	53	95565	107.056 ug/l	90
15) Acetone	3.82	58	21622	102.486 ug/l	81
16) Carbon Disulfide	4.06	76	110051	15.585 ug/l	99
17) Allyl chloride	4.33	41	88661	21.835 ug/l	95
18) Methylene Chloride	4.56	84	55945	18.953 ug/l #	83
19) trans-1,2-Dichloroethene	5.05	96	48025	18.328 ug/l	96
20) Diisopropyl ether	5.95	45	205895	23.335 ug/l	93
21) 1,1-Dichloroethane	5.85	63	108678	21.076 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	57261	18.714 ug/l	90
23) tert-Butyl Alcohol	4.78	59	16082	115.629 ug/l	100
24) Methyl tert-Butyl Ether	5.05	73	134364	19.818 ug/l	91
25) Chloroform	7.37	83	104820	20.245 ug/l	93
26) Cyclohexane	7.66	56	86956	18.812 ug/l #	88
29) 1,1-Dichloropropene	7.80	75	76126	18.950 ug/l	98
30) 2-Butanone	6.84	43	118557	110.821 ug/l #	78
31) 2,2-Dichloropropane	6.83	77	77649	18.764 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	87911	19.559 ug/l	96
33) Carbon Tetrachloride	7.78	117	74601	18.663 ug/l	99
34) Benzene	8.04	78	217538	18.494 ug/l #	93
35) Methacrylonitrile	7.17	41	26428	18.011 ug/l #	77
36) 1,2-Dichloroethane	8.12	62	84906	21.589 ug/l	97
37) Trichloroethene	8.83	130	54969	18.672 ug/l	88
38) Methylcyclohexane	9.08	83	82020	16.737 ug/l	94
39) 1,2-Dichloropropane	9.12	63	64533	20.610 ug/l	94
40) Dibromomethane	9.21	93	36148	18.730 ug/l	96

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Quant Time: Nov 16 23:24:56 2018
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	78130	19.786	ug/l	99
42) Vinyl Acetate	5.90	43	660042	105.389	ug/l	96
43) Ethyl Acetate	6.84	43	118557	22.052	ug/l #	86
44) Isopropyl Acetate	8.17	43	104400	23.454	ug/l #	89
45) 1,4-Dioxane	9.20	88	7997	393.815	ug/l #	62
46) Methyl methacrylate	9.20	41	53945	24.346	ug/l	89
47) n-amyl Acetate	12.07	43	81679	20.243	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	74058	18.887	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	86230	19.053	ug/l #	85
50) 1,1,2-Trichloroethane	10.56	97	49156	19.261	ug/l	96
51) Ethyl methacrylate	10.43	69	62614	18.984	ug/l	78
52) 1,3-Dichloropropane	10.71	76	86623	19.486	ug/l	98
53) Dibromochloromethane	10.90	129	52259	18.968	ug/l	94
54) 1,2-Dibromoethane	11.00	107	48473	18.730	ug/l	96
55) 2-Chloroethyl vinyl ether	9.69	63	188109	104.149	ug/l	98
56) Bromoform	12.12	173	28799	18.098	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	275419	117.462	ug/l	94
59) 2-Hexanone	10.75	43	176009	109.022	ug/l	95
61) Tetrachloroethene	10.63	164	54887	23.064	ug/l	95
62) Toluene	10.16	91	233693	19.025	ug/l	100
64) Chlorobenzene	11.43	112	142085	18.251	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	53039	20.017	ug/l	100
66) Ethyl Benzene	11.51	91	253483	19.104	ug/l	96
67) m/p-Xylenes	11.62	106	184555	36.129	ug/l	96
68) o-Xylene	11.95	106	91192	18.724	ug/l	100
69) Styrene	11.96	104	146567	18.676	ug/l	97
70) Isopropylbenzene	12.25	105	246451	18.850	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	56750	19.734	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	48757m	19.283	ug/l	
73) Bromobenzene	12.53	156	56859	19.627	ug/l	94
74) n-propylbenzene	12.59	91	288124	18.925	ug/l	98
75) 2-Chlorotoluene	12.67	91	168241	19.167	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	202107	19.278	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	13110	16.571	ug/l	85
78) 4-Chlorotoluene	12.77	91	168201	19.029	ug/l	97
79) tert-butylbenzene	12.99	119	172650	18.906	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	200874	19.233	ug/l	100
81) sec-Butylbenzene	13.17	105	243586	19.382	ug/l	99
82) p-Isopropyltoluene	13.29	119	201719	18.993	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	99238	19.366	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	96763	19.075	ug/l	98
85) n-Butylbenzene	13.61	91	170732	18.573	ug/l	99
86) Hexachloroethane	13.87	117	35427	19.766	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	96728	19.868	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	8614	21.906	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	41912	21.207	ug/l	99
90) Hexachlorobutadiene	15.01	225	24067	22.259	ug/l	98
91) Naphthalene	15.13	128	90675	19.906	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	38150	22.149	ug/l	97

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Instrument :
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QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

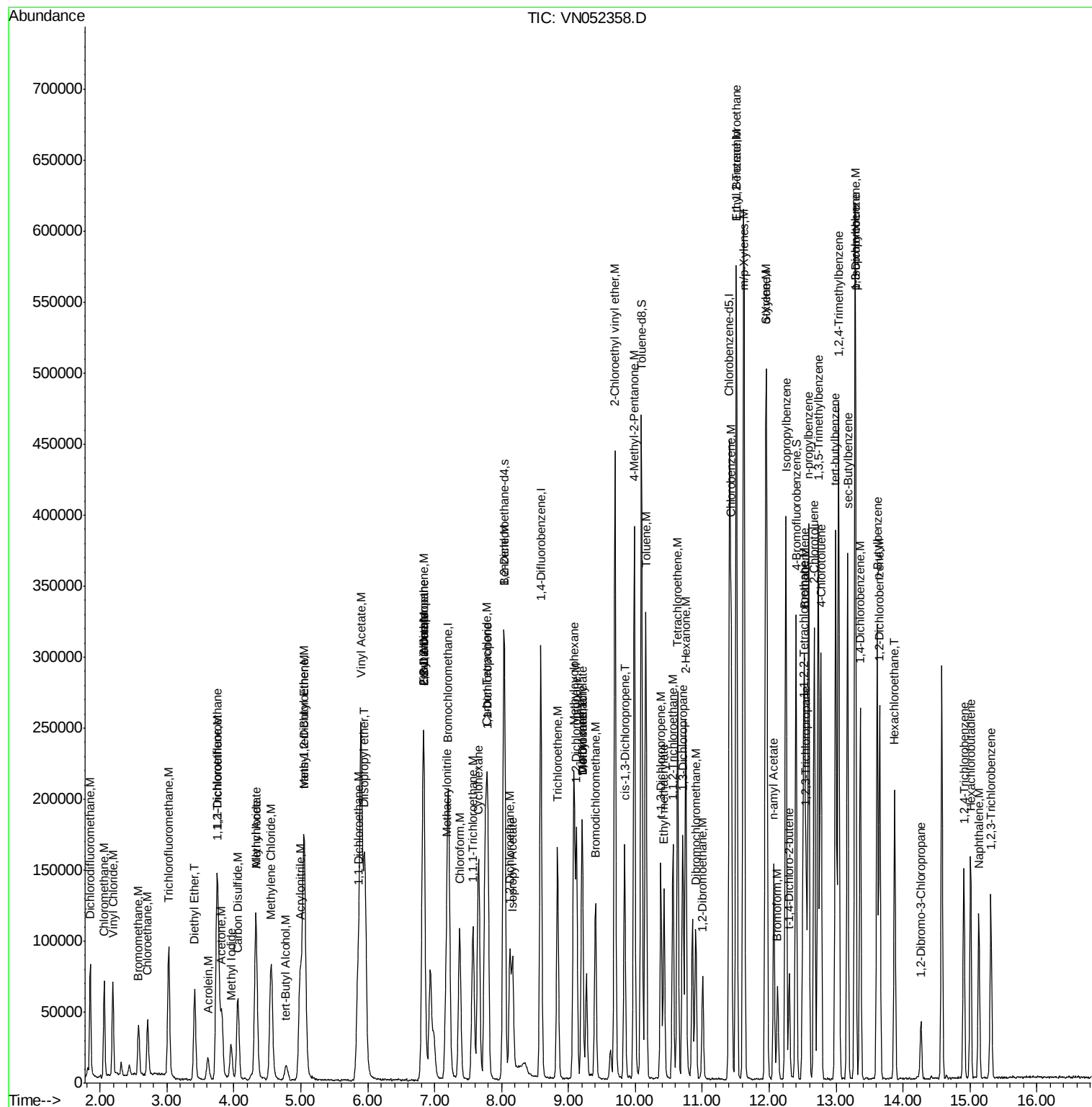
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 Data File : VN052358.D
 Acq On : 16 Nov 2018 12:20
 Operator : MD\SY
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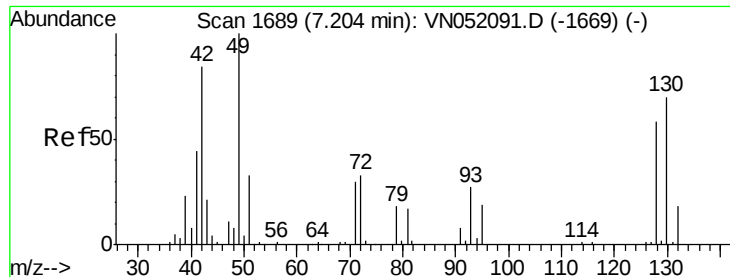
Instrument :
 MSVOA_N
 Client Sample Id :
 VN1116WBSD01

Manual Integrations
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Quant Time: Nov 16 23:24:56 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

Tot Ion:128 Resp: 43245

Ion Ratio Lower Upper

128 100

49 209.4 0.0 453.7

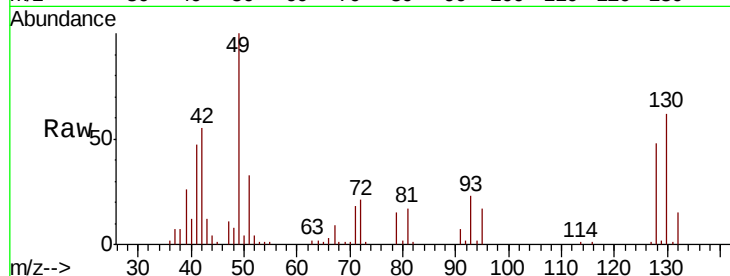
130 129.2 0.0 308.8

Manual Integrations

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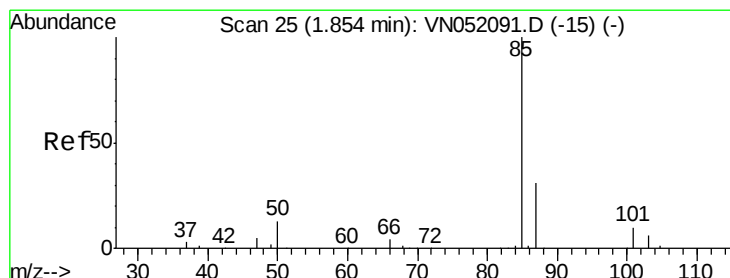
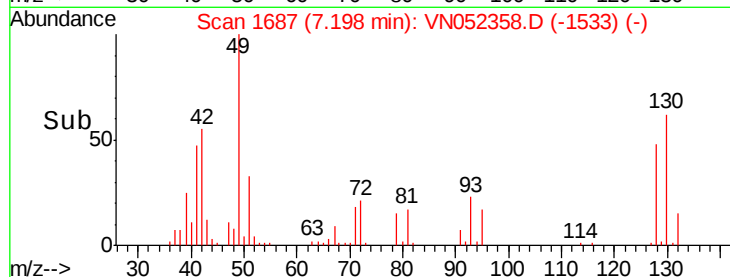
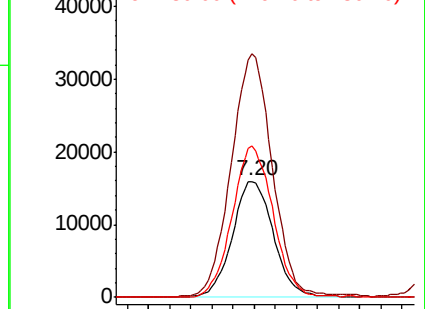
11/19/2018 12:46:01 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.995 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052358.D

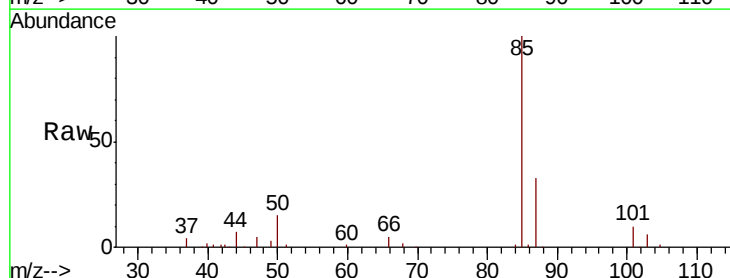
Acq: 16 Nov 2018 12:20

Tgt Ion: 85 Resp: 57751

Ion Ratio Lower Upper

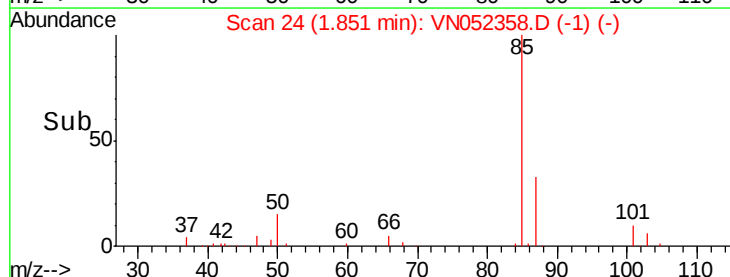
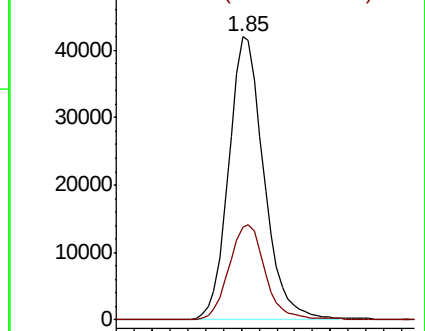
85 100

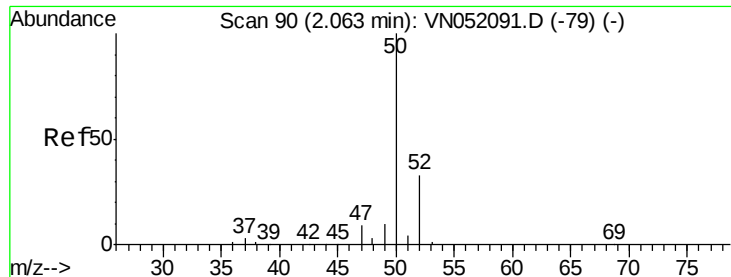
87 32.6 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.335 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

Tot Ion: 50 Resp: 63825

Ion Ratio Lower Upper

50 100

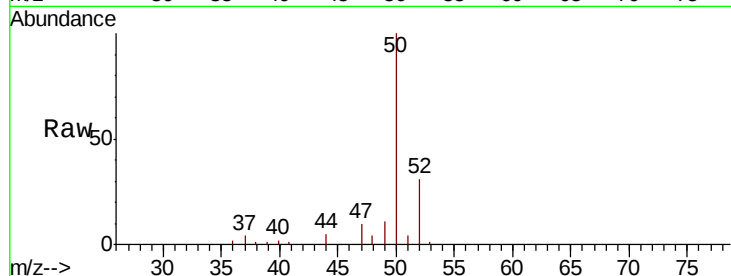
52 30.8 26.5 39.7

Manual Integrations

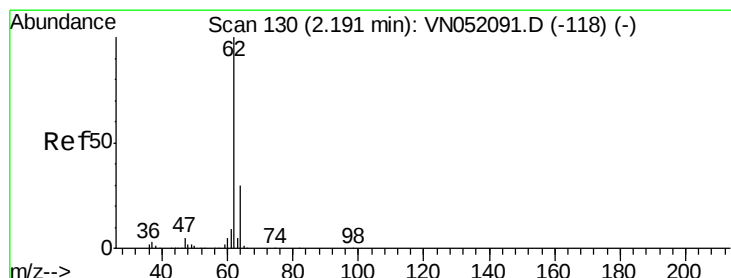
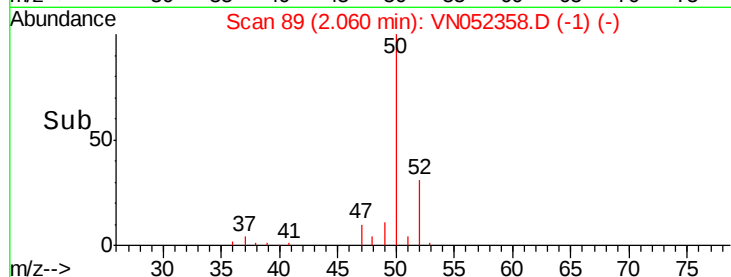
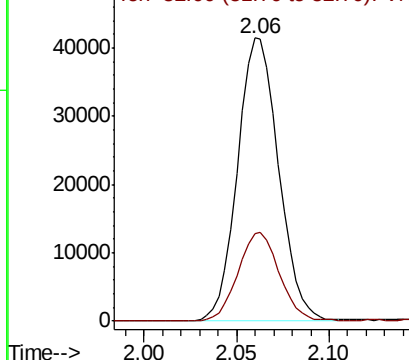
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Abundance Ion 50.00 (49.70 to 50.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 18.023 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052358.D

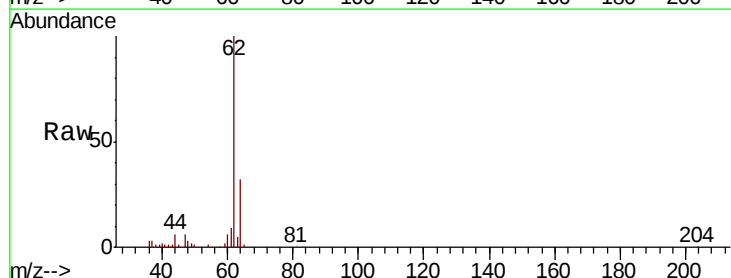
Acq: 16 Nov 2018 12:20

Tgt Ion: 62 Resp: 58362

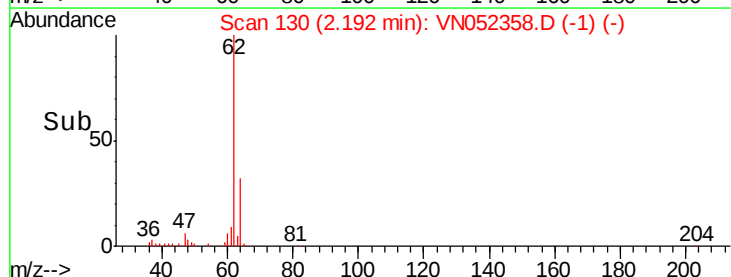
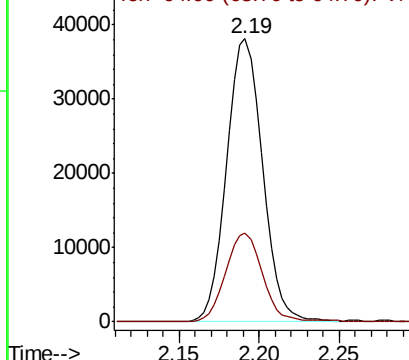
Ion Ratio Lower Upper

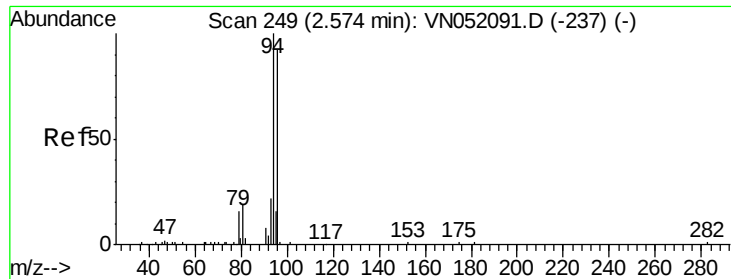
62 100

64 31.5 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 9.951 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

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MSVOA_N

ClientSampleId :

VN1116WBSD01

Tot Ion: 94 Resp: 21994

Ion Ratio Lower Upper

94 100

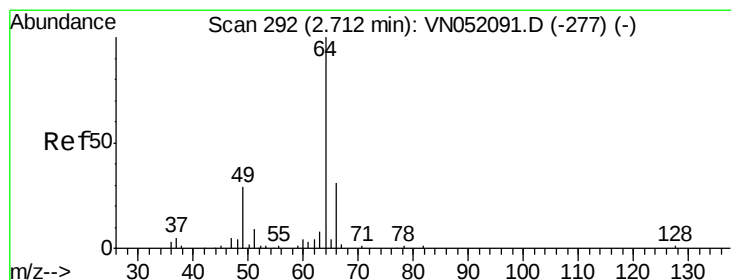
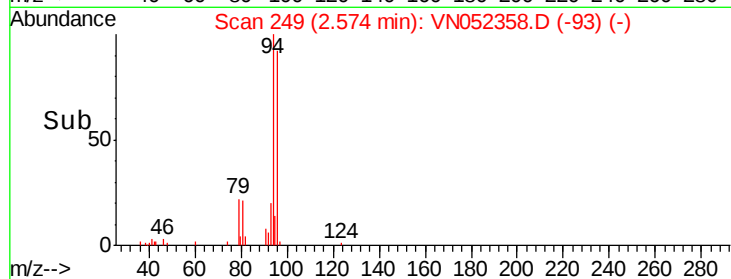
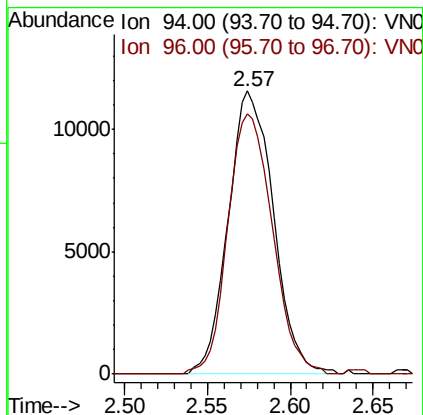
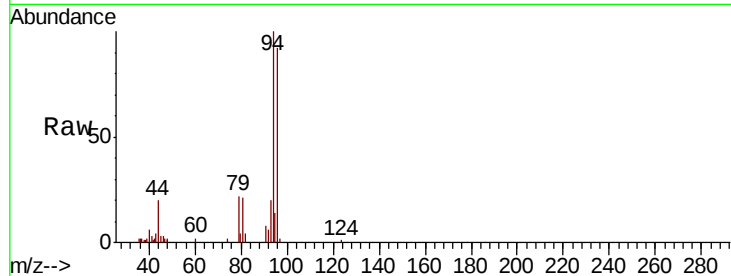
96 91.9 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 15.545 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052358.D

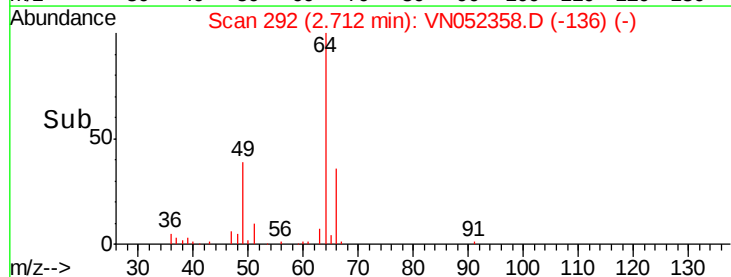
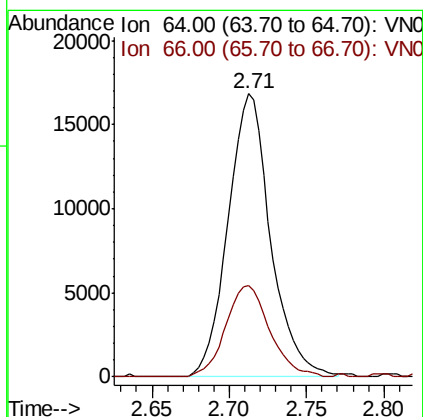
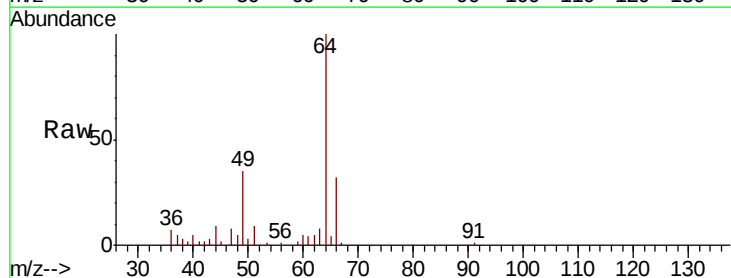
Acq: 16 Nov 2018 12:20

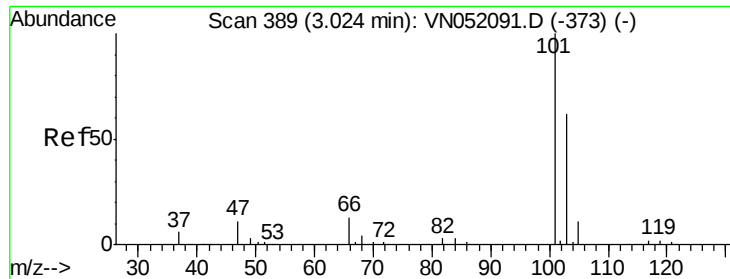
Tgt Ion: 64 Resp: 32186

Ion Ratio Lower Upper

64 100

66 32.3 24.7 37.1





#7

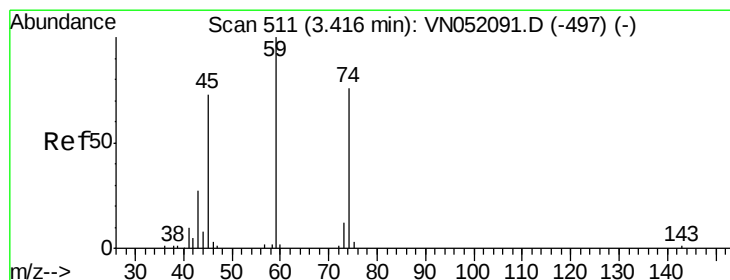
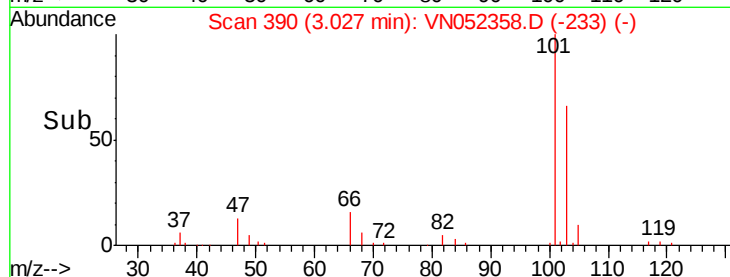
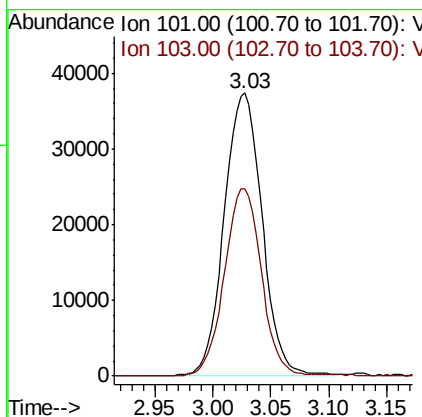
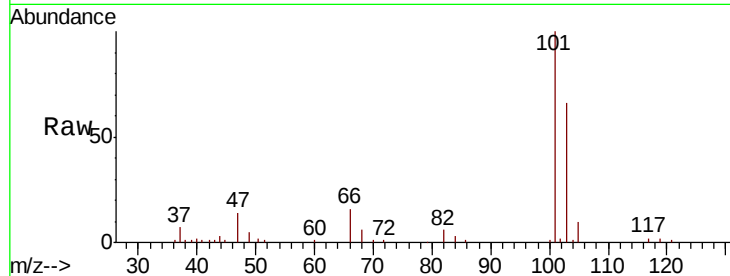
Trichlorofluoromethane
 Concen: 19.332 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	49.5	74.3

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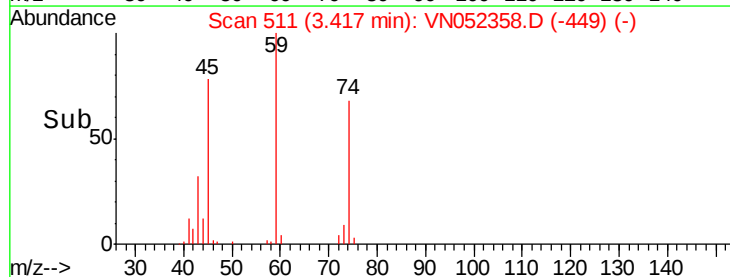
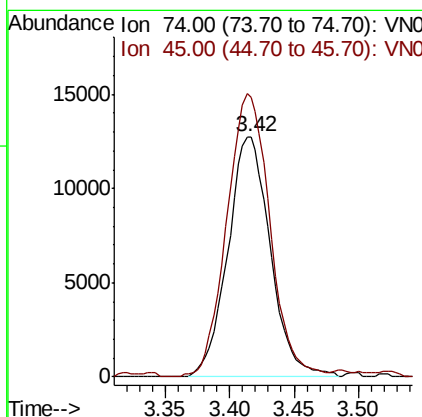
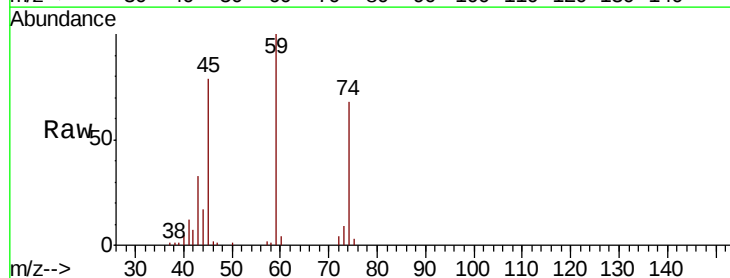
MMDadoda
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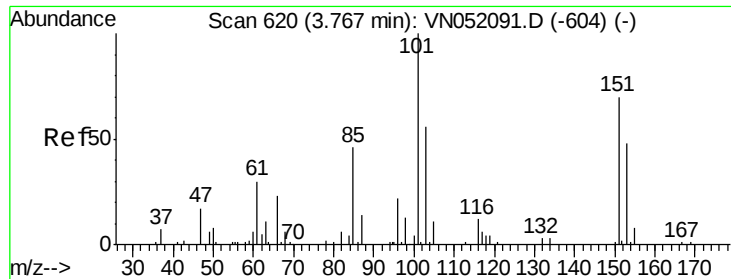


#8

Diethyl Ether
 Concen: 19.765 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.1	19.4	174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.831 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

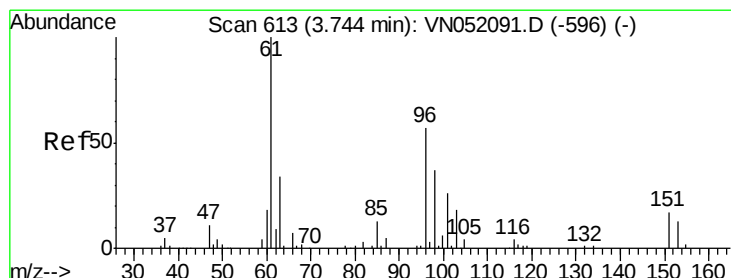
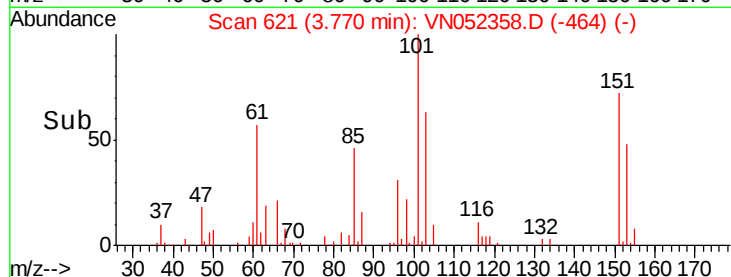
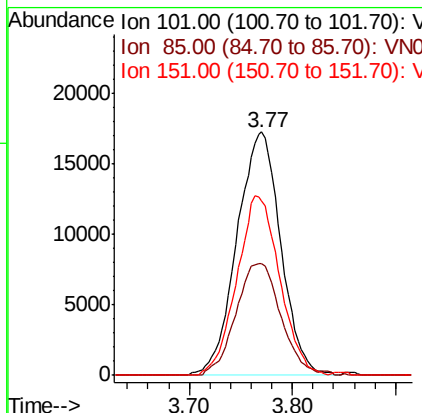
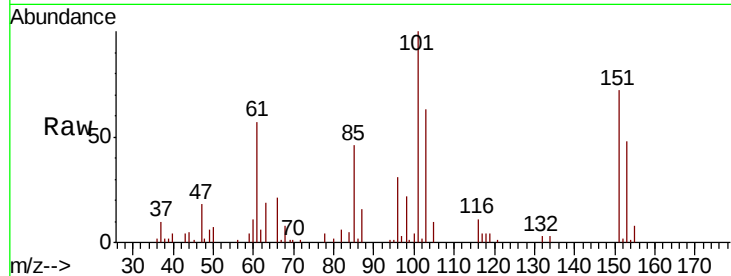
ClientSampleId :

VN1116WBSD01

Tot Ion:	101	Resp:	50825
Ion Ratio	Lower	Upper	
101	100		
85	47.1	0.0	98.0
151	72.2	0.0	139.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.697 ug/l

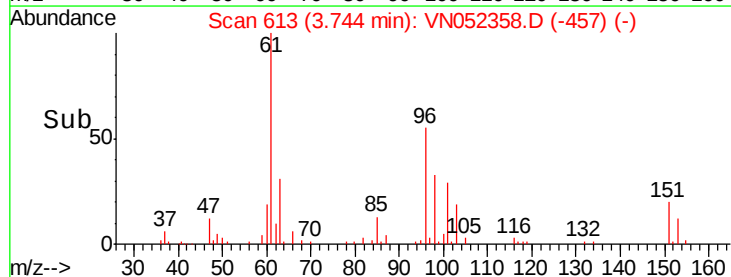
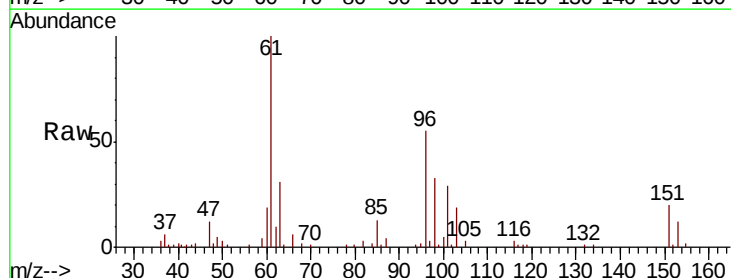
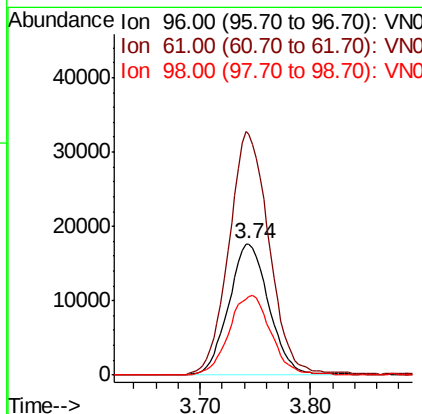
RT: 3.74 min Scan# 613

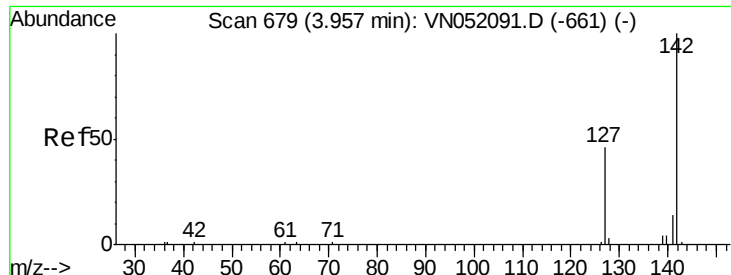
Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Tgt Ion:	96	Resp:	44714
Ion Ratio	Lower	Upper	
96	100		
61	181.9	140.3	210.5
98	59.9	52.0	78.0





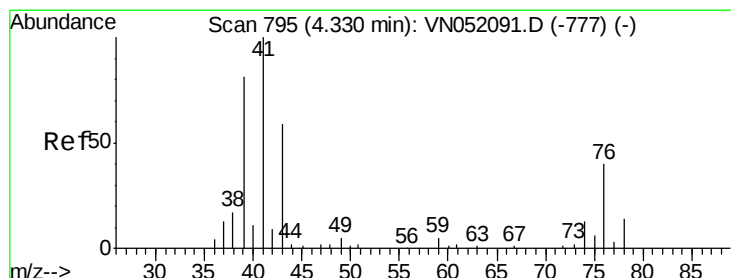
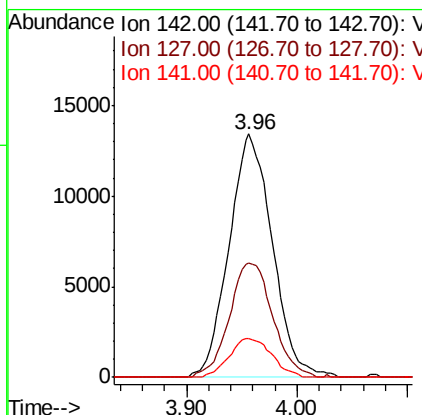
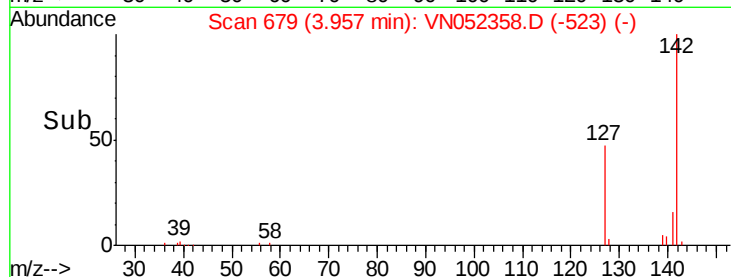
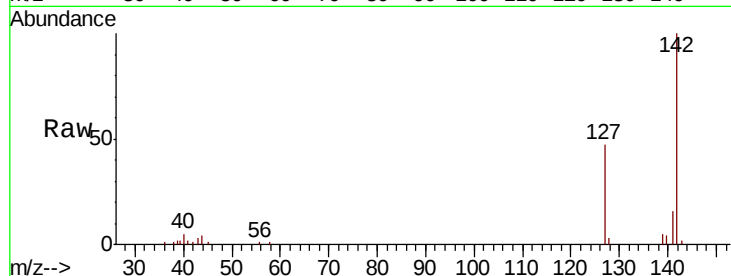
#11
Methyl Iodide
Concen: 10.573 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampled :
VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.0	23.1	69.2
141	15.7	7.0	20.9

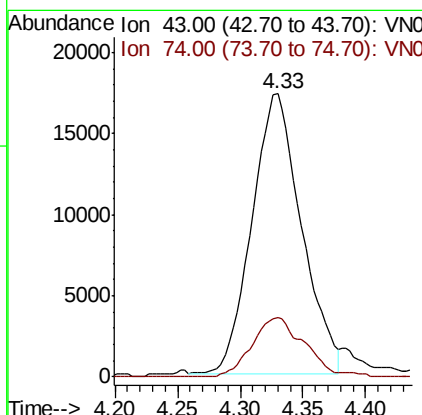
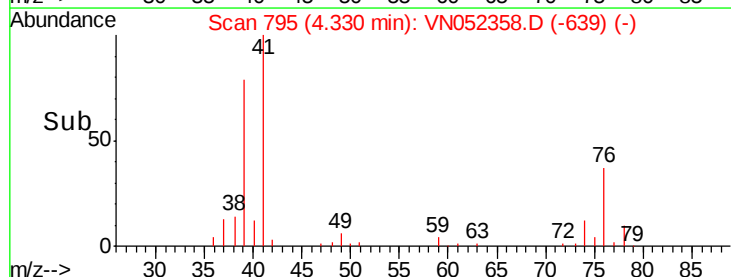
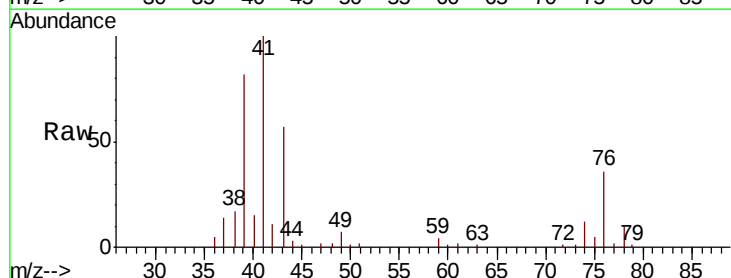
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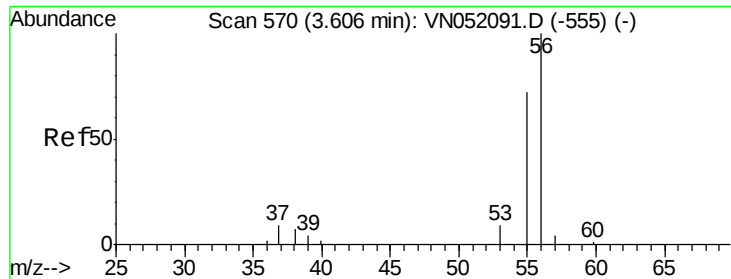
MMDadoda
11/19/2018 12:46:01 PM



#12
Methyl Acetate
Concen: 23.447 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.4	26.2





#13

Acrolein

Concen: 84.072 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

Tot Ion: 56 Resp: 17950

Ion Ratio Lower Upper

56 100

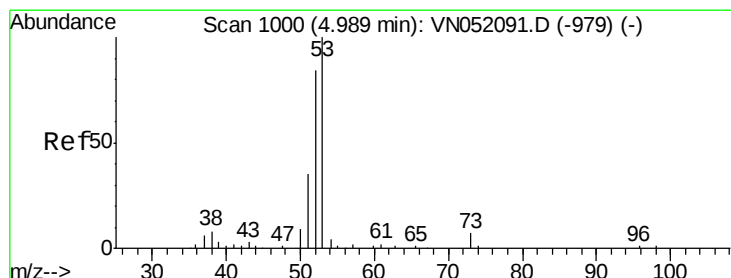
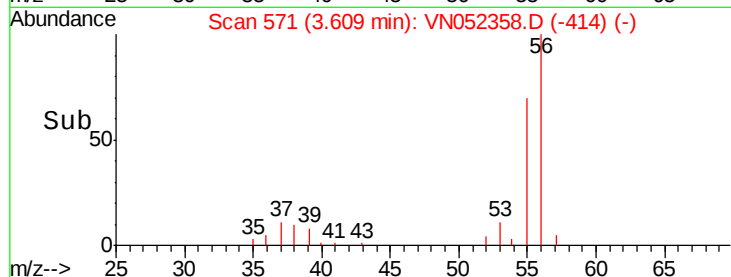
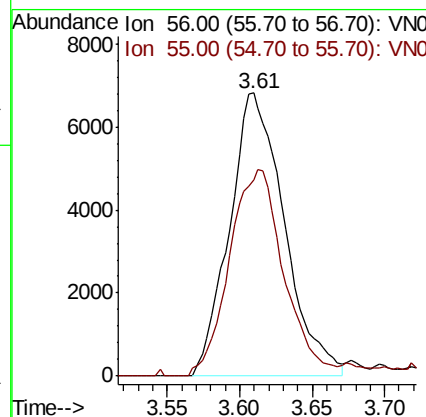
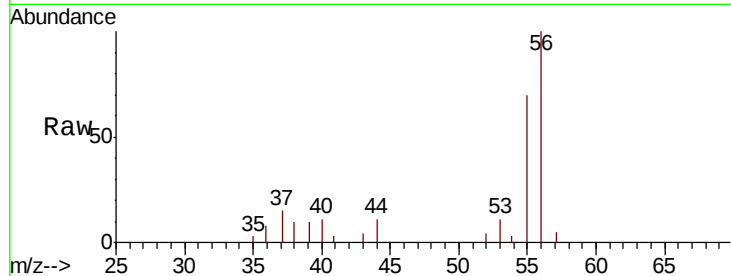
55 72.0 56.2 84.2

Manual Integrations

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#14

Acrylonitrile

Concen: 107.056 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

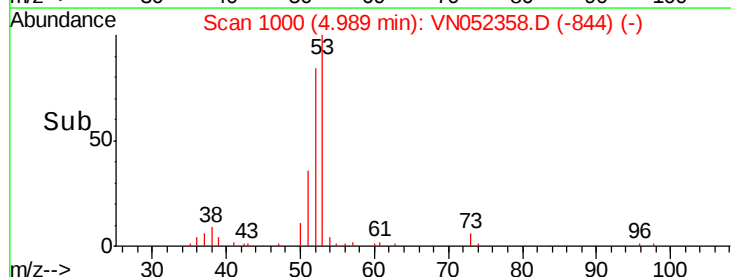
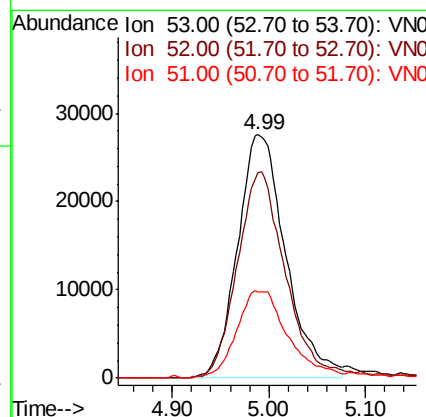
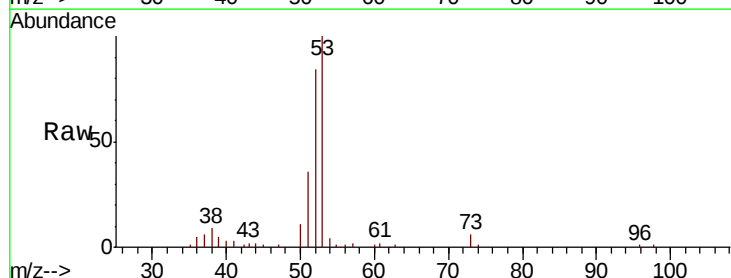
Tgt Ion: 53 Resp: 95565

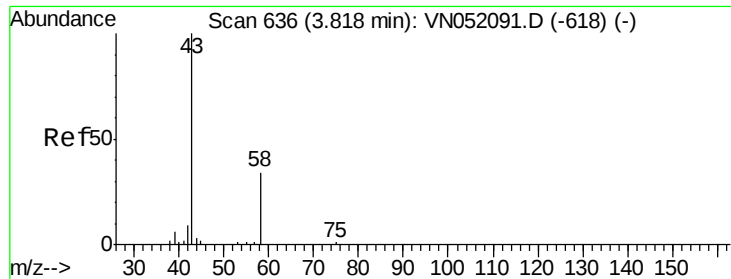
Ion Ratio Lower Upper

53 100

52 83.1 41.3 124.1

51 18.8 18.6 55.6





#15

Acetone

Concen: 102.486 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

Tot Ion: 58 Resp: 21622

Ion Ratio Lower Upper

58 100

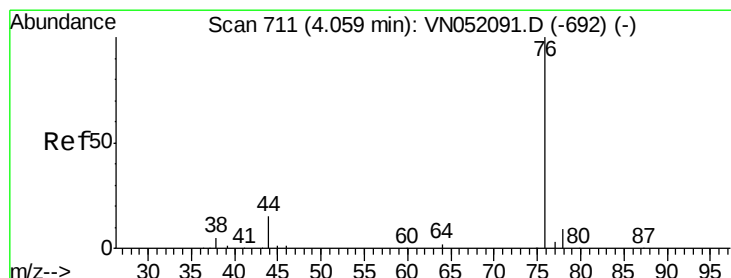
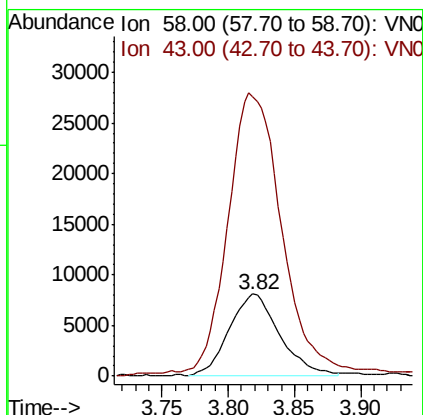
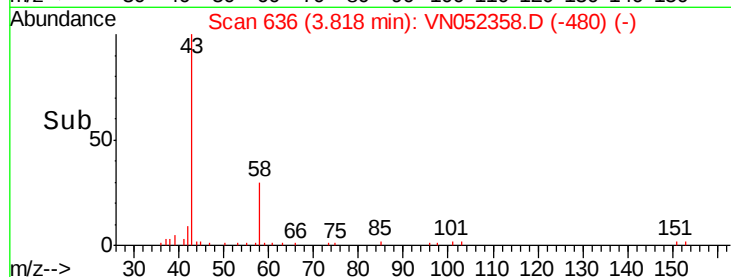
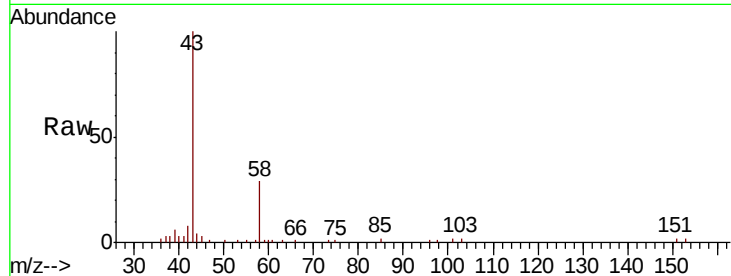
43 331.0 234.7 352.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 15.585 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052358.D

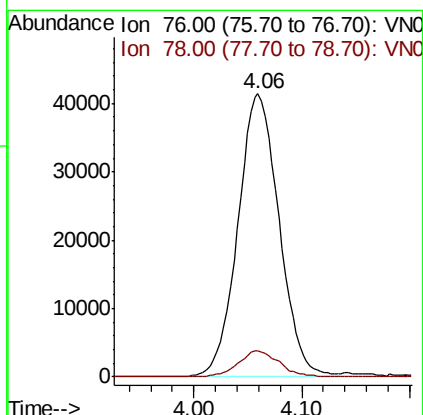
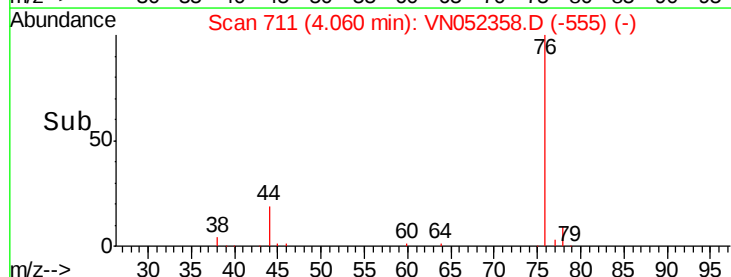
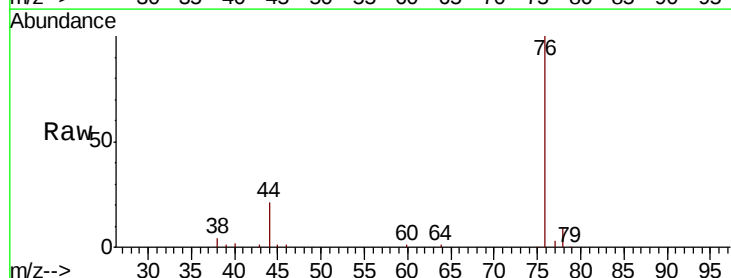
Acq: 16 Nov 2018 12:20

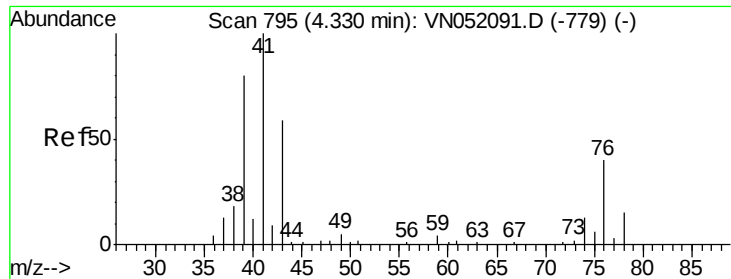
Tgt Ion: 76 Resp: 110051

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6





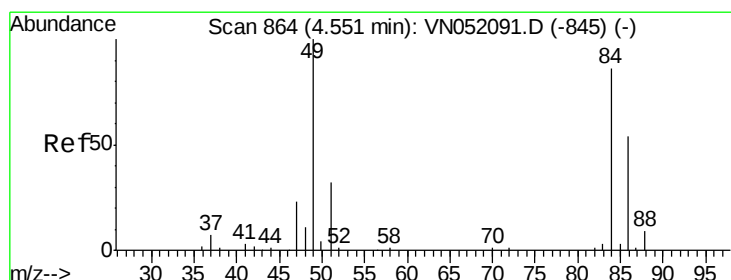
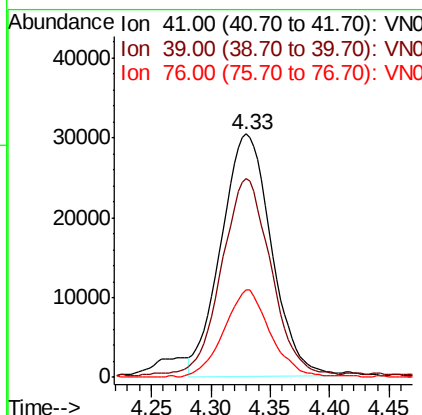
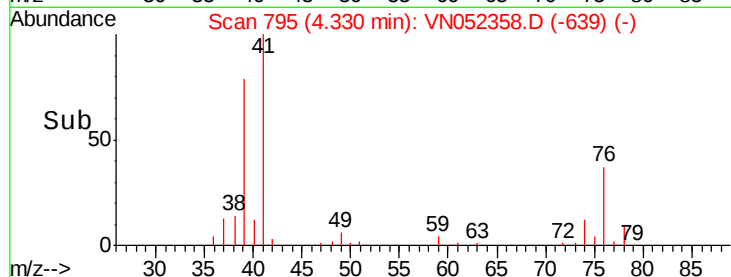
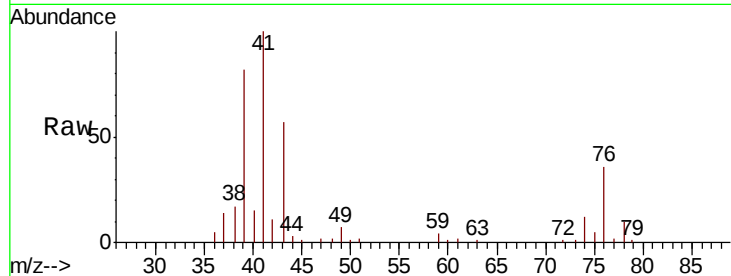
#17
Allvl chloride
Concen: 21.835 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.8	38.4	115.1
76	35.8	18.8	56.3

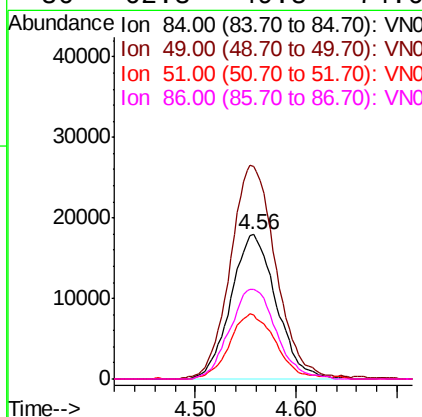
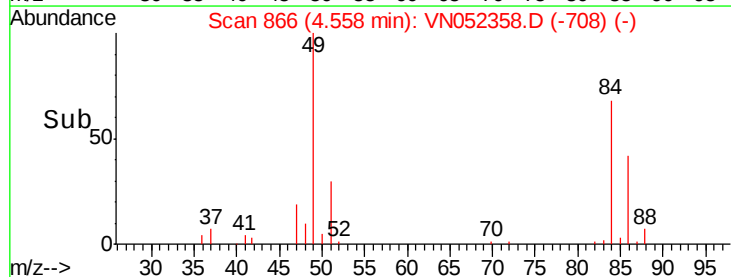
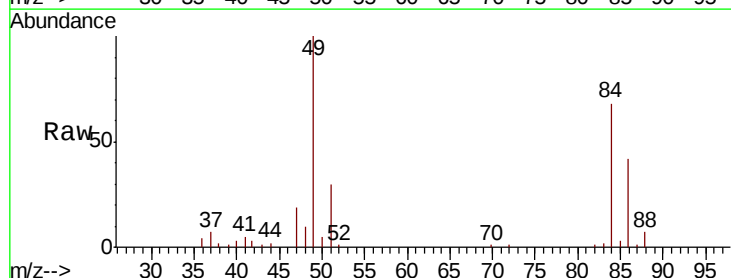
Manual Integrations
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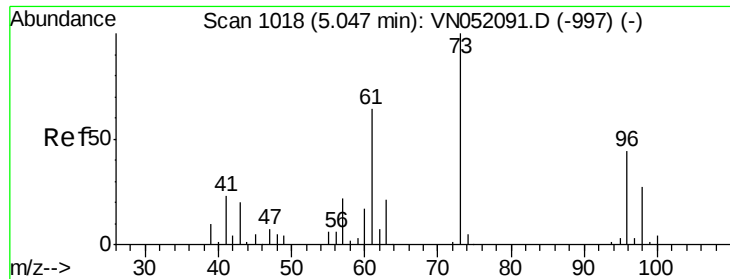
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#18
Methylene Chloride
Concen: 18.953 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.0	92.6	138.8#
51	44.4	29.7	44.5
86	62.3	49.8	74.6





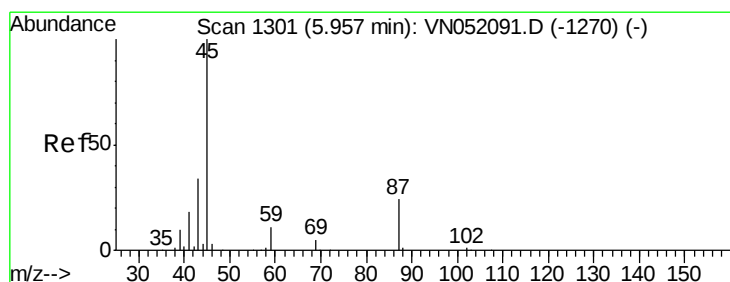
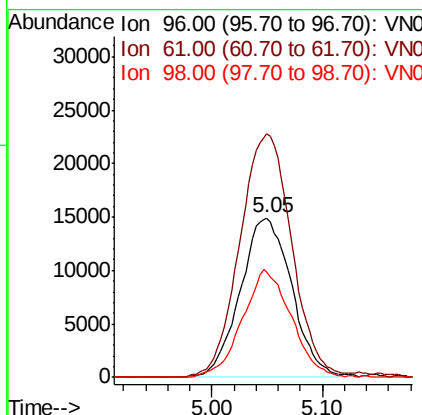
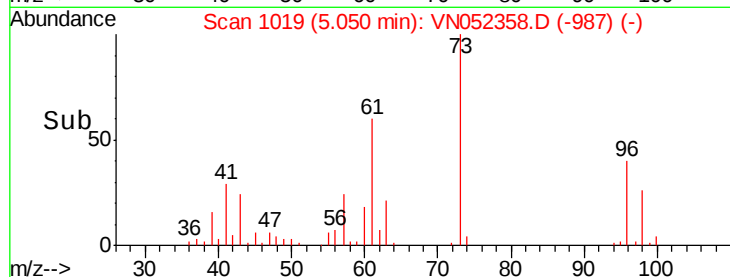
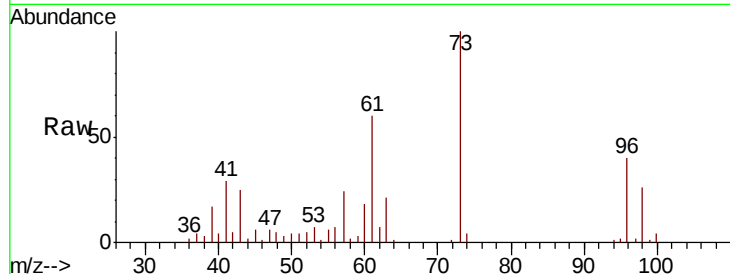
#19
trans-1,2-Dichloroethene
Concen: 18.328 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	117.8	176.6
98	66.2	49.3	73.9

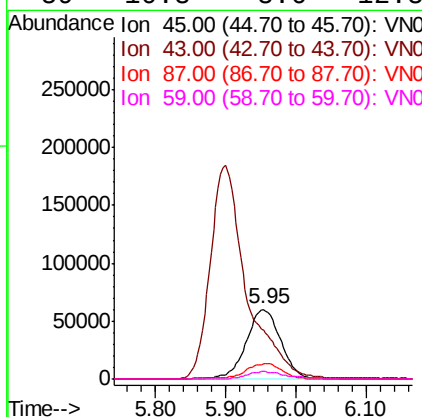
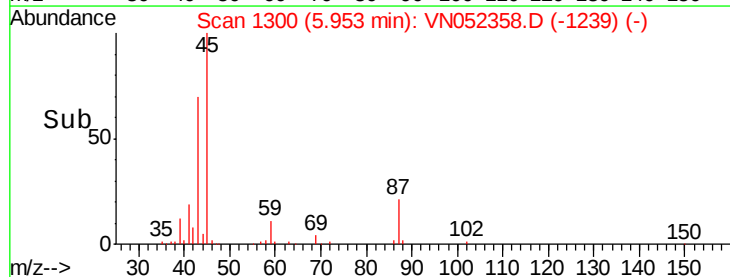
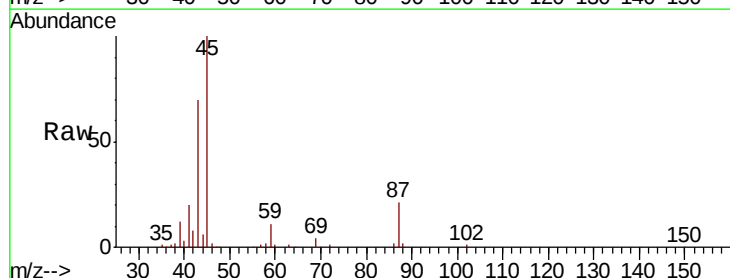
Manual Integrations
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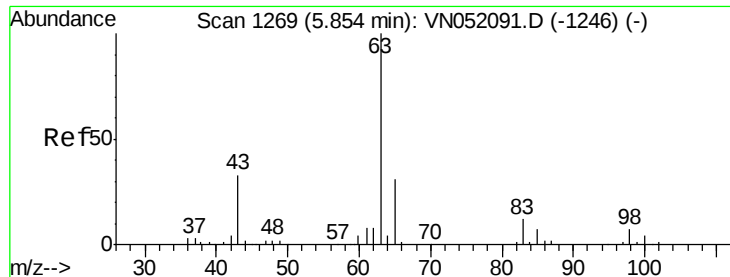
MMDadoda
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#20
Diisopropyl ether
Concen: 23.335 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.9	49.4	74.0
87	21.4	20.3	30.5
59	10.8	8.6	12.8





#21

1,1-Dichloroethane

Concen: 21.076 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

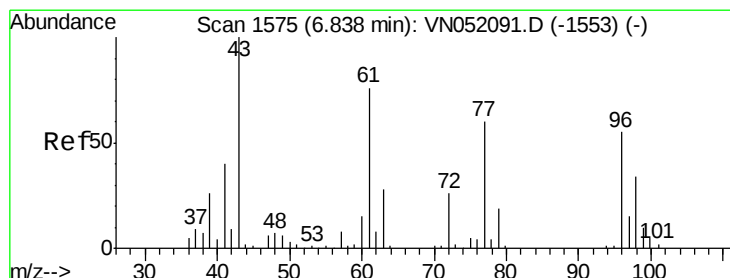
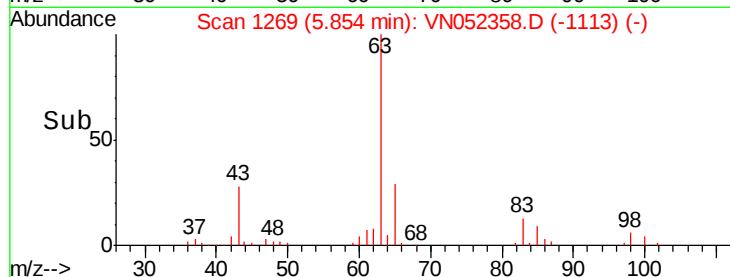
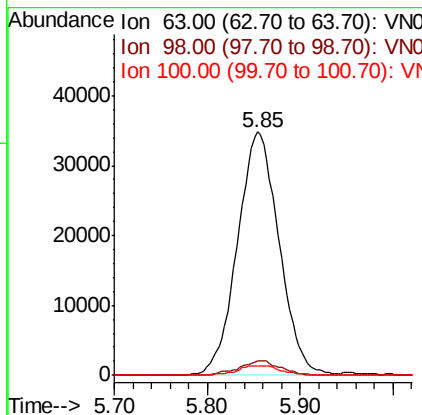
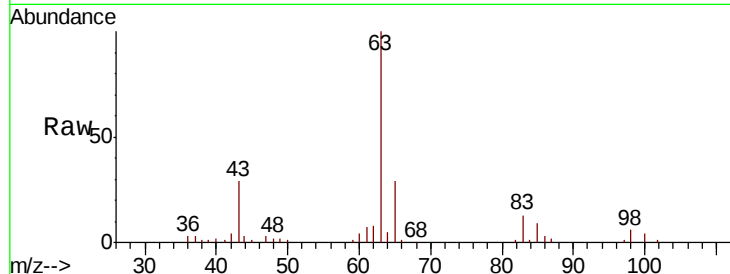
ClientSampleId :

VN1116WBSD01

Tot Ion:	63	Resp:	108678
Ion Ratio	Lower	Upper	
63	100		
98	5.9	3.4	10.1
100	3.8	2.0	5.8

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 18.714 ug/l

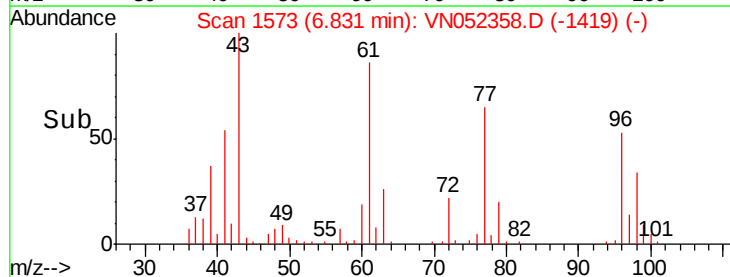
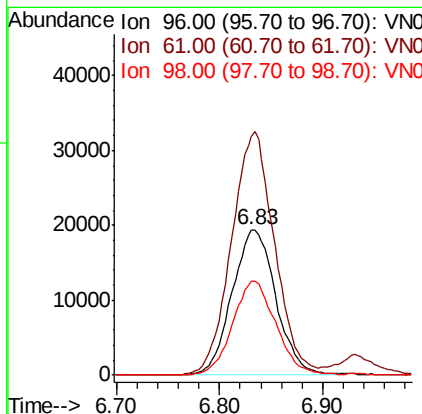
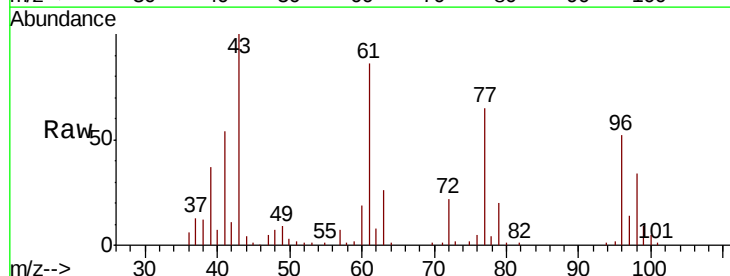
RT: 6.83 min Scan# 1573

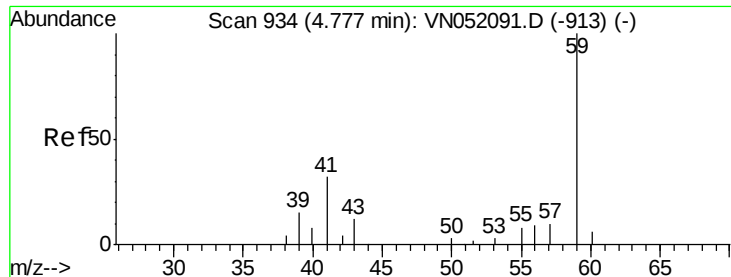
Delta R.T. -0.01 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Tgt Ion:	96	Resp:	57261
Ion Ratio	Lower	Upper	
96	100		
61	164.6	117.6	176.4
98	63.6	51.0	76.4





#23

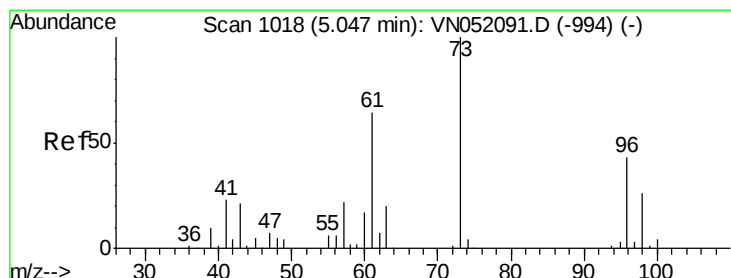
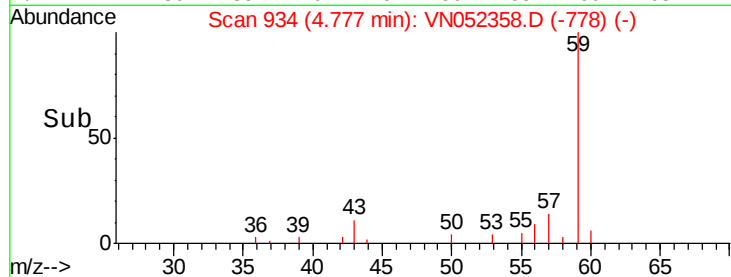
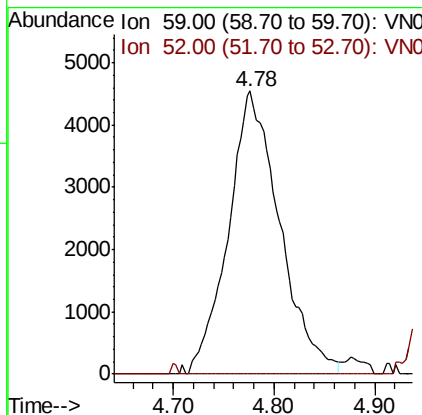
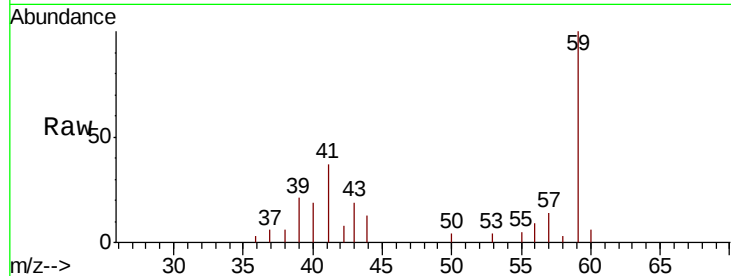
tert-Butyl Alcohol
 Concen: 115.629 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.4	0.3	0.5

Manual Integrations
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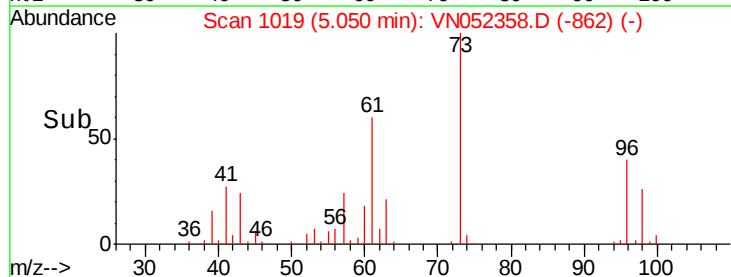
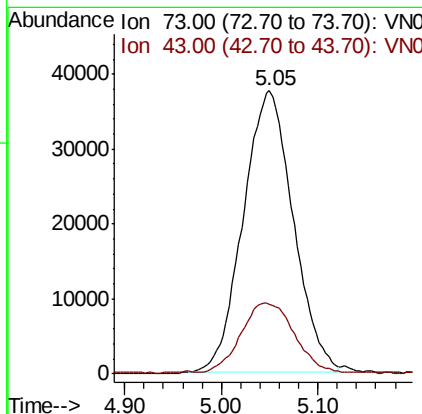
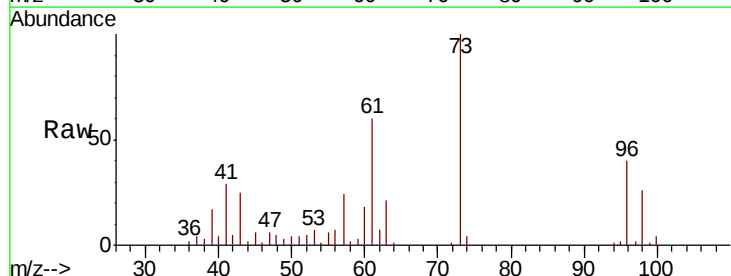
MMDadoda
 11/19/2018 12:46:01 PM

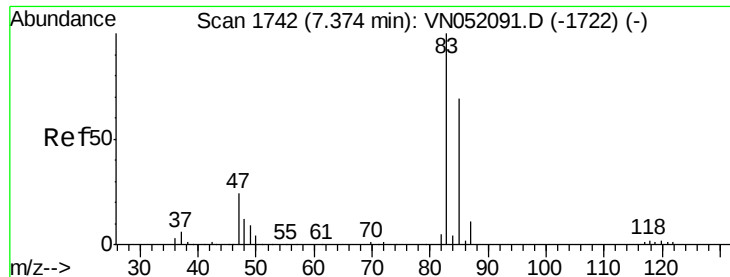


#24

Methyl tert-Butyl Ether
 Concen: 19.818 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.9	17.4	26.2





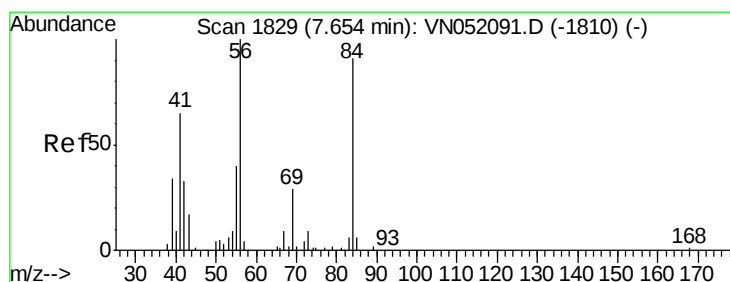
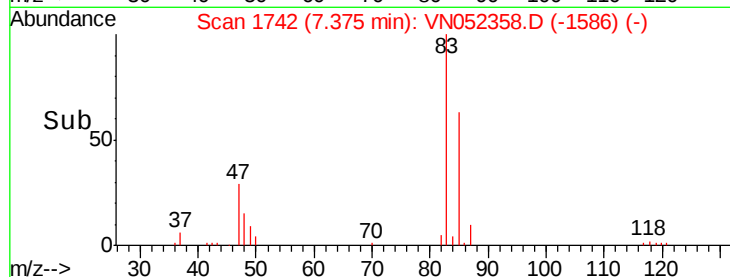
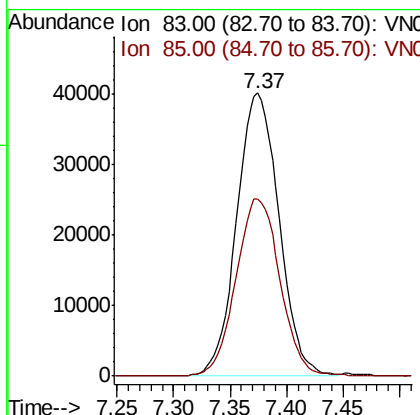
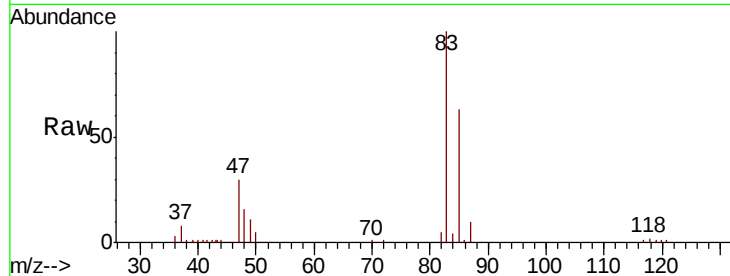
#25
Chloroform
Concen: 20.245 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion	83	Resp	104820
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	54.9	82.3

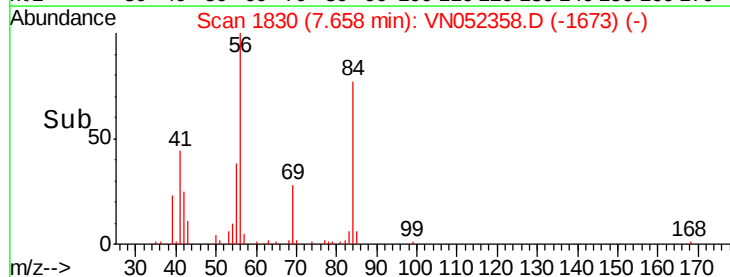
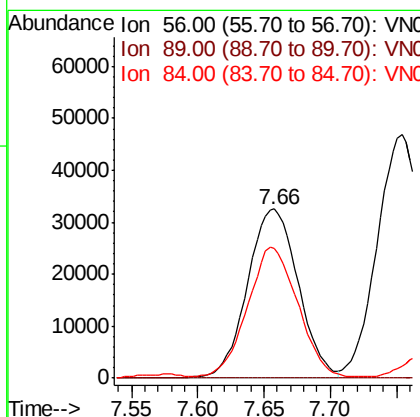
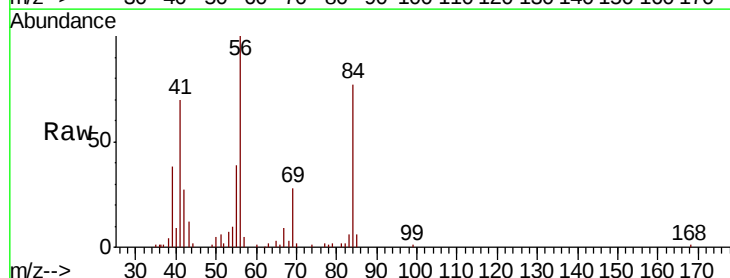
Manual Integrations
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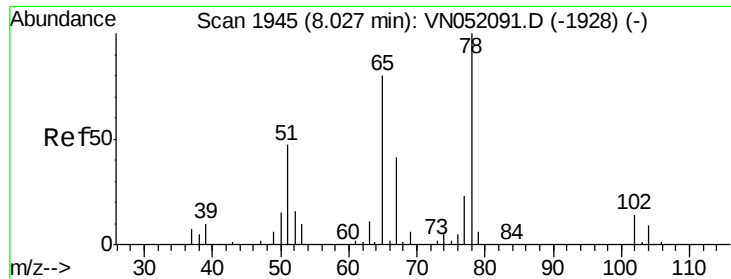
MMDadoda
11/19/2018 12:46:01 PM



#26
Cyclohexane
Concen: 18.812 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion	56	Resp	86956
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	2.2	3.2#
84	77.6	71.0	106.6





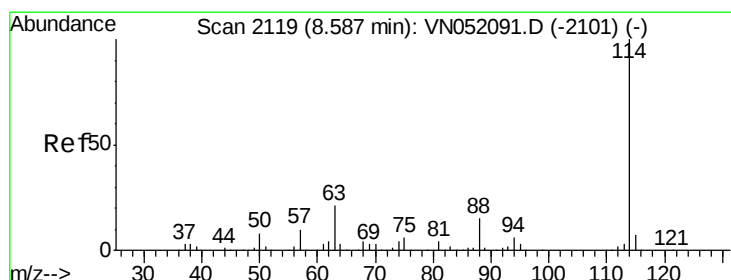
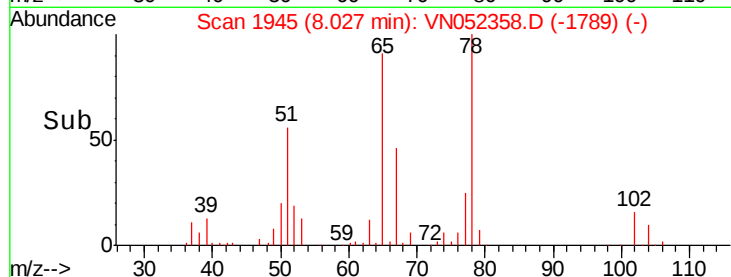
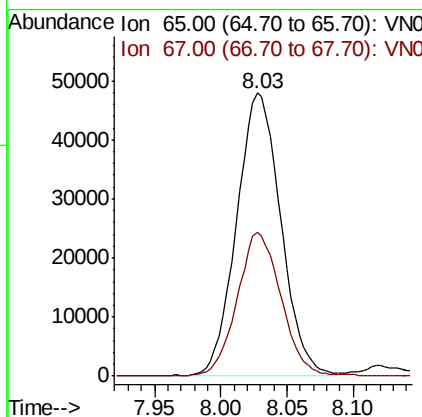
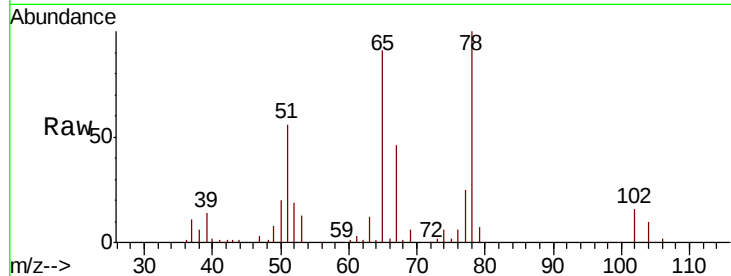
#27
 1,2-Dichloroethane-d4
 Concen: 18.812 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Tot Ion: 65 Resp: 111144
 Ion Ratio Lower Upper
 65 100
 67 50.1 42.6 64.0

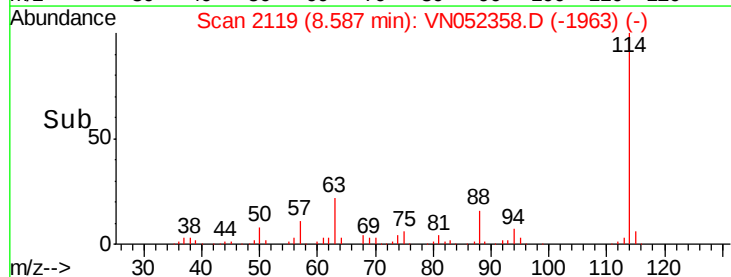
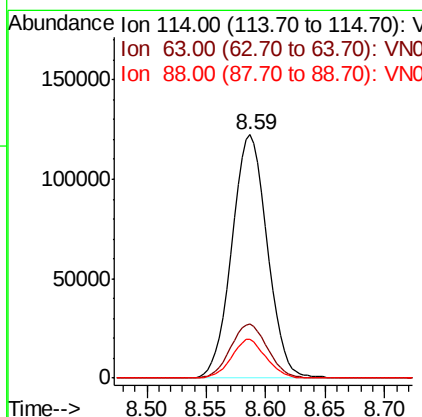
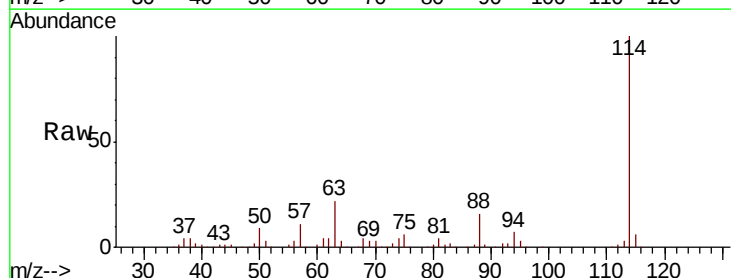
Manual Integrations
 APPROVED

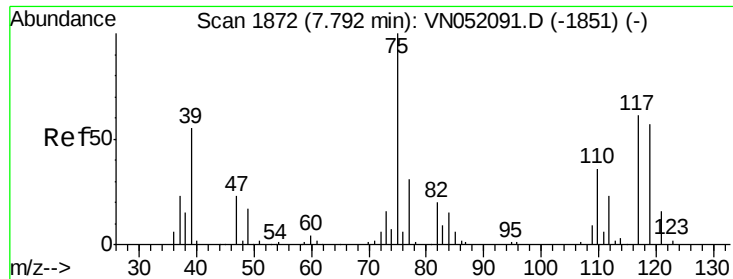
MMDadoda
 11/19/2018 12:46:01 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion: 114 Resp: 253027
 Ion Ratio Lower Upper
 114 100
 63 23.1 17.5 26.3
 88 15.5 12.6 18.8





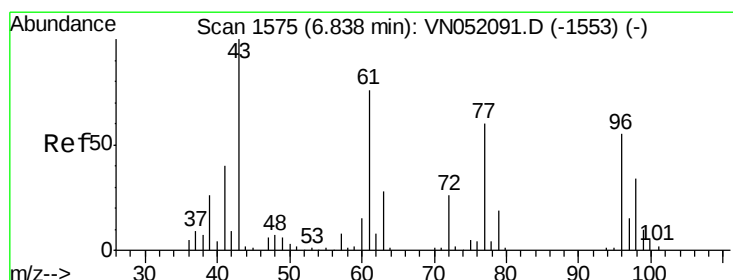
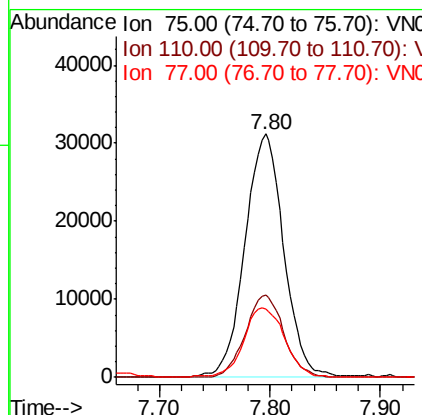
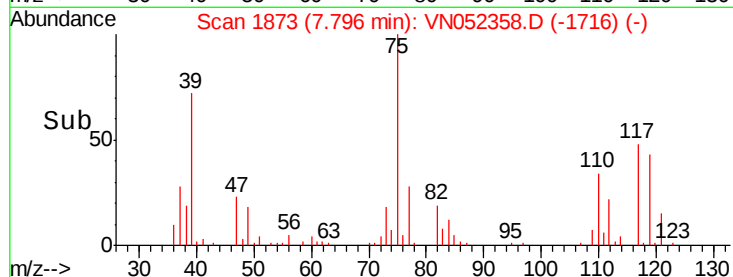
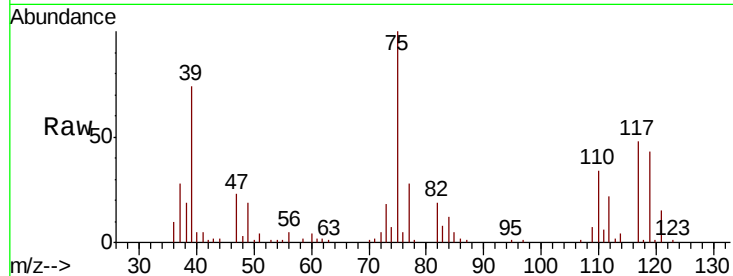
#29
 1,1-Dichloropropene
 Concen: 18.950 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.1	0.0	67.6
77	28.9	0.0	60.2

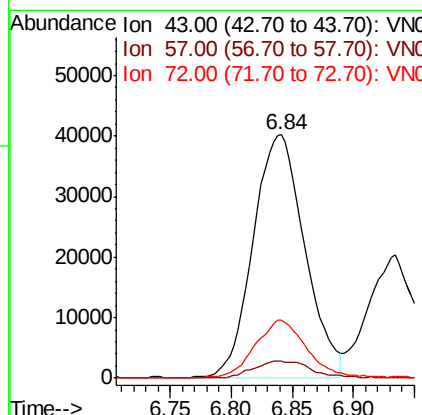
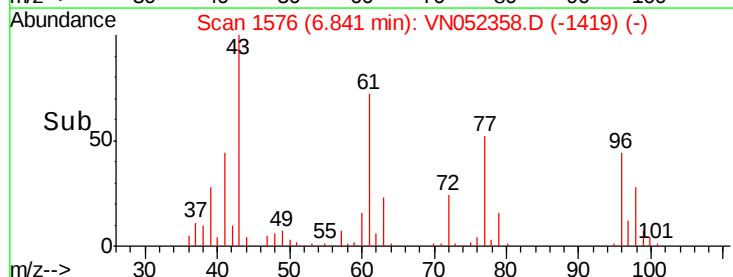
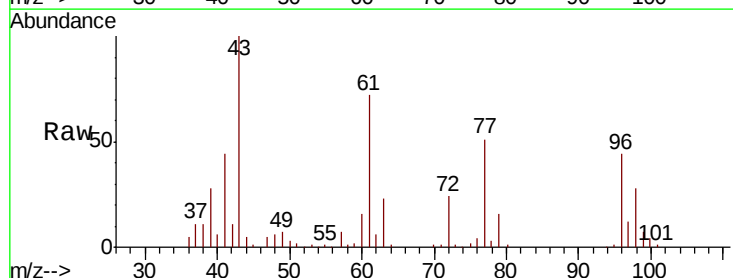
Manual Integrations
 APPROVED

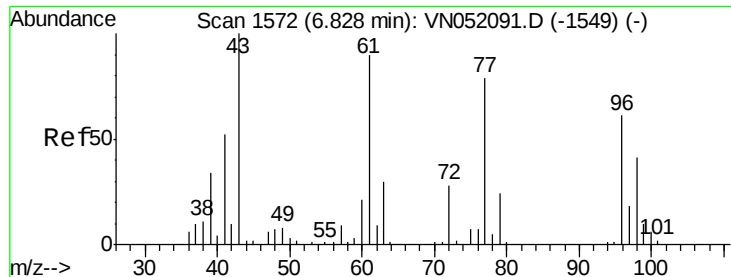
MMDadoda
 11/19/2018 12:46:01 PM



#30
 2-Butanone
 Concen: 110.821 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
43	100		
57	5.1	6.6	9.8#
72	23.5	9.2	13.8#





#31

2,2-Dichloropropane

Concen: 18.764 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

Tot Ion: 77 Resp: 77649

Ion Ratio Lower Upper

77 100

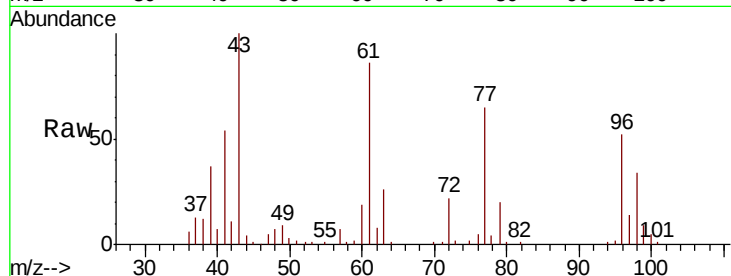
97 22.0 18.2 27.2

Manual Integrations

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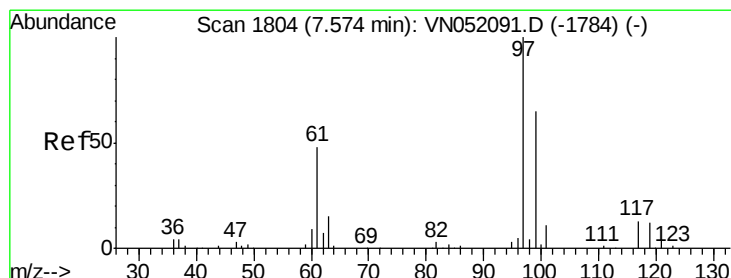
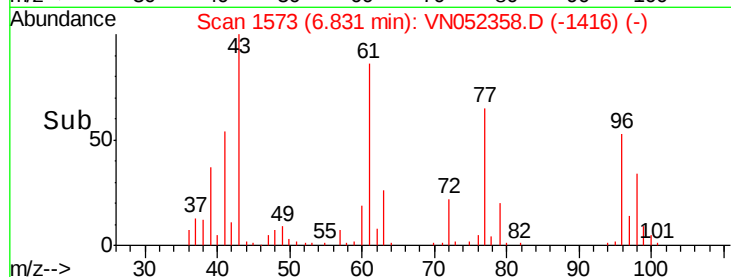
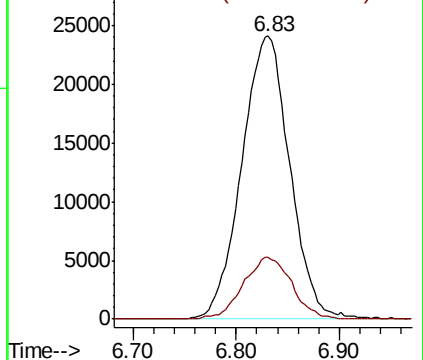
MMDadoda

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Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.559 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

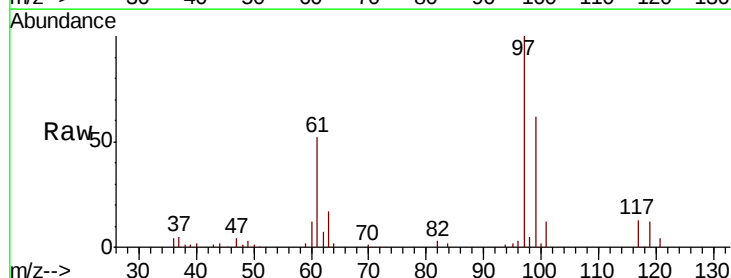
Tgt Ion: 97 Resp: 87911

Ion Ratio Lower Upper

97 100

99 62.7 51.7 77.5

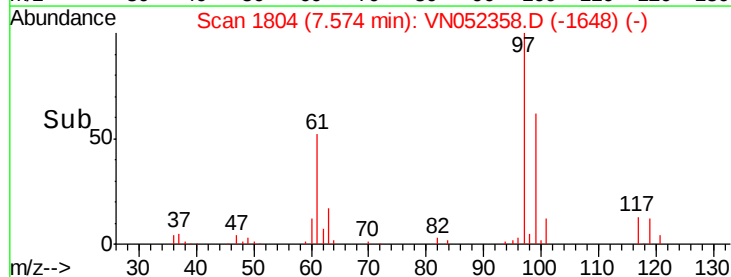
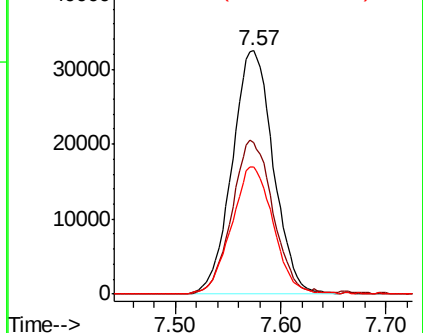
61 53.0 38.7 58.1



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 18.663 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

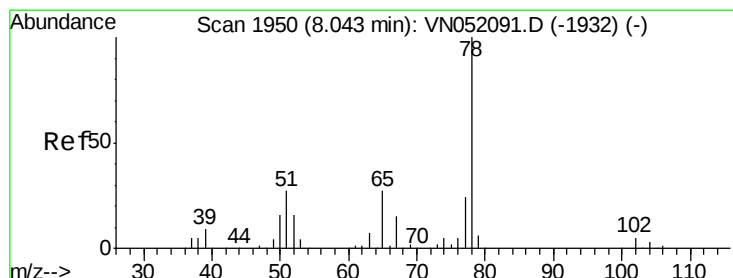
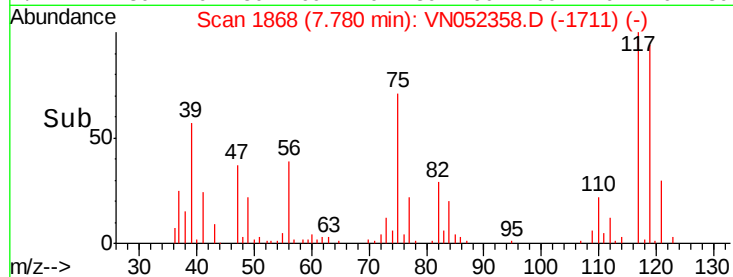
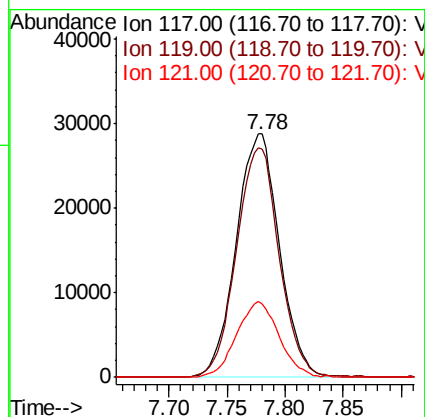
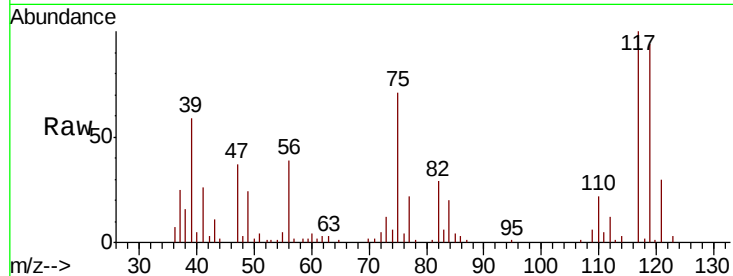
ClientSampleId :

VN1116WBSD01

Tot Ion:	117	Resp:	74601
Ion Ratio	Lower	Upper	
117	100		
119	93.8	74.7	112.1
121	30.0	23.4	35.0

Manual Integrations
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#34

Benzene

Concen: 18.494 ug/l

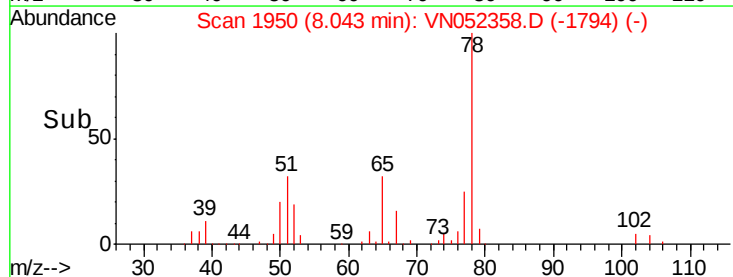
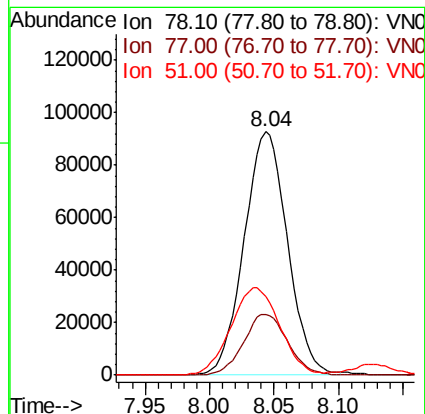
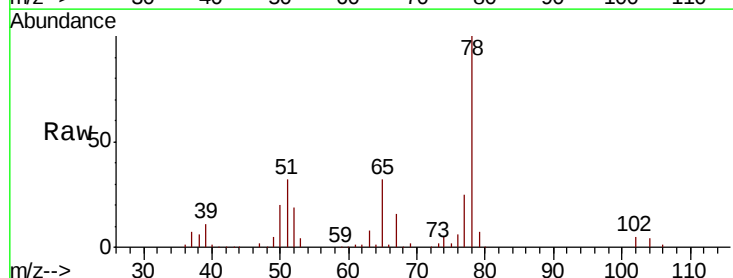
RT: 8.04 min Scan# 1950

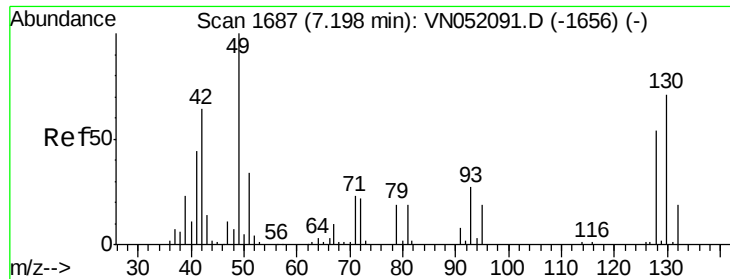
Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Tgt Ion:	78	Resp:	217538
Ion Ratio	Lower	Upper	
78	100		
77	24.9	19.1	28.7
51	31.9	21.2	31.8#





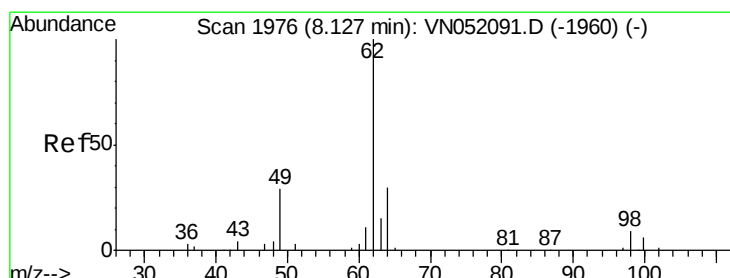
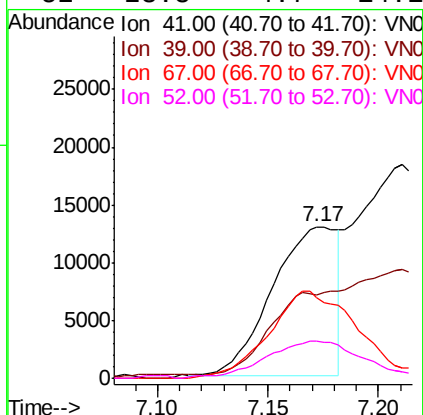
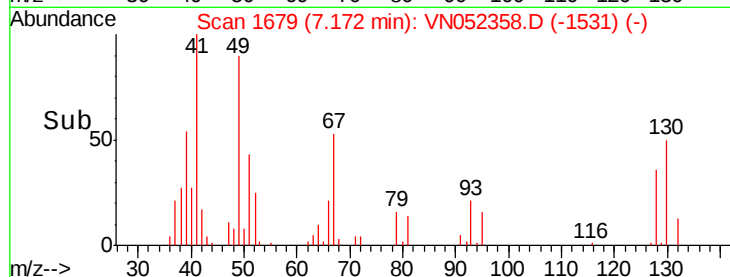
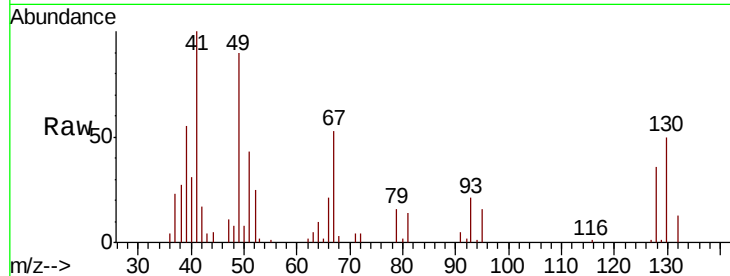
#35
Methacrylonitrile
Concen: 18.011 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.03 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion: 41 Resp: 26428
Ion Ratio Lower Upper
41 100
39 53.4 26.1 78.3
67 54.3 11.0 33.0#
52 23.8 4.7 14.1#

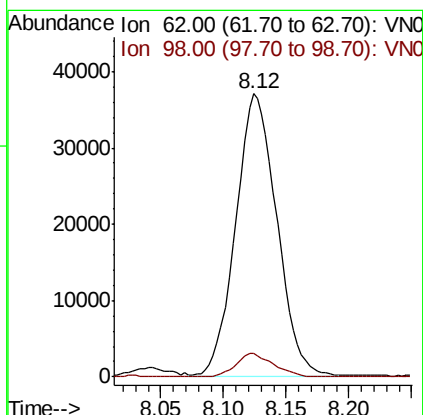
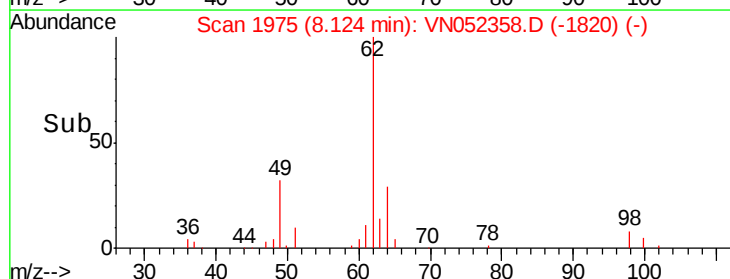
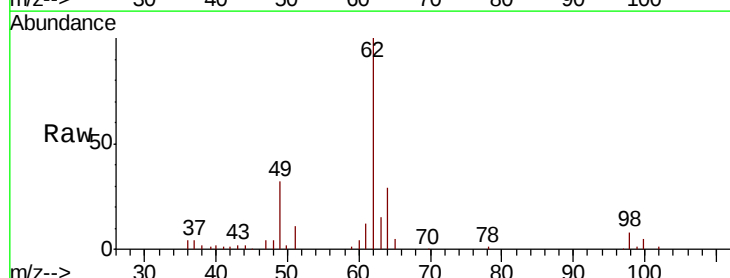
Manual Integrations
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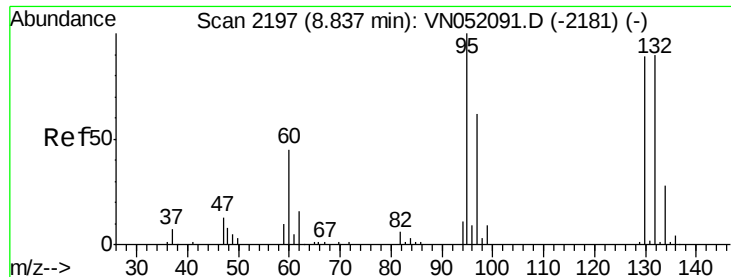
MMDadoda
11/19/2018 12:46:01 PM



#36
1,2-Dichloroethane
Concen: 21.589 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 62 Resp: 84906
Ion Ratio Lower Upper
62 100
98 7.5 6.7 10.1





#37

Trichloroethene

Concen: 18.672 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

Tot Ion:130 Resp: 54969

Ion Ratio Lower Upper

130 100

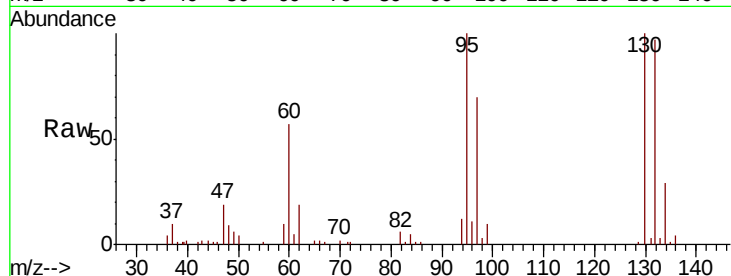
95 99.8 89.9 134.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

25000

20000

15000

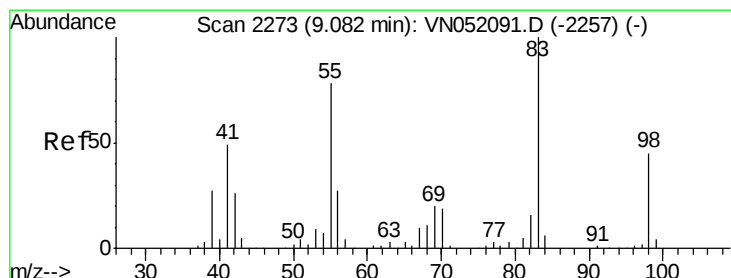
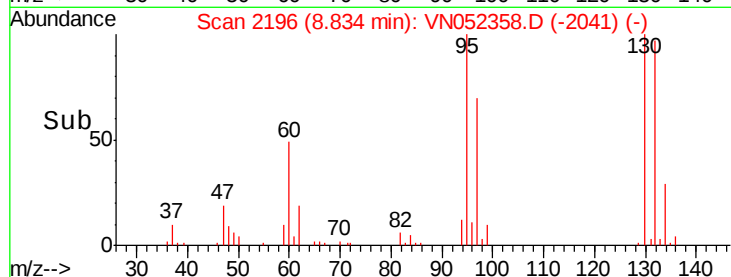
10000

5000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 16.737 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

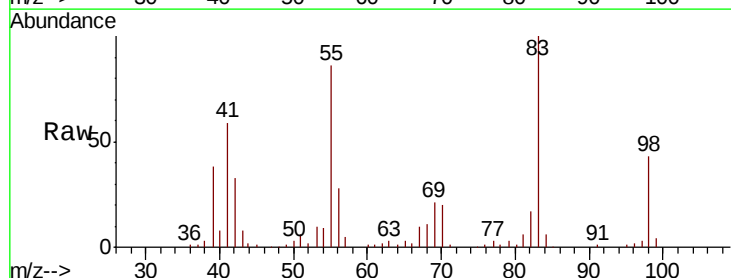
Tgt Ion: 83 Resp: 82020

Ion Ratio Lower Upper

83 100

55 84.4 38.5 115.3

98 44.9 23.2 69.6



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

50000

40000

30000

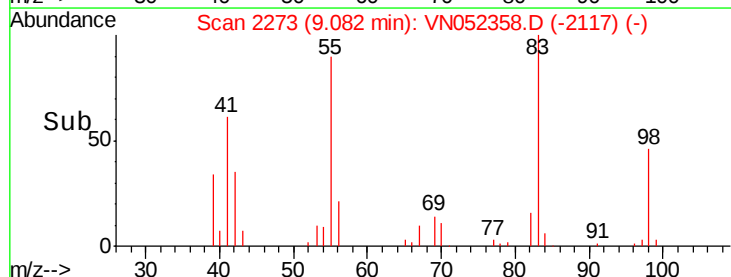
20000

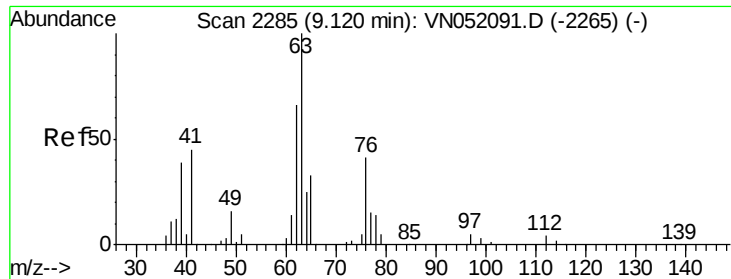
10000

0

9.00 9.05 9.10 9.15

Time-->





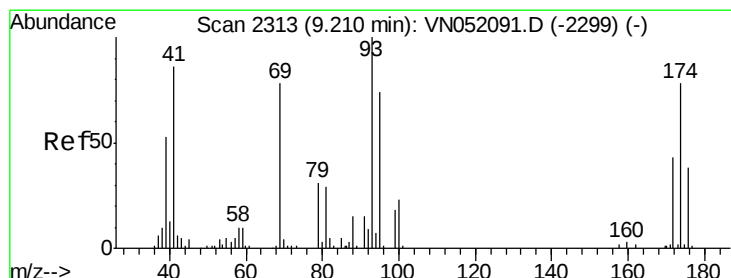
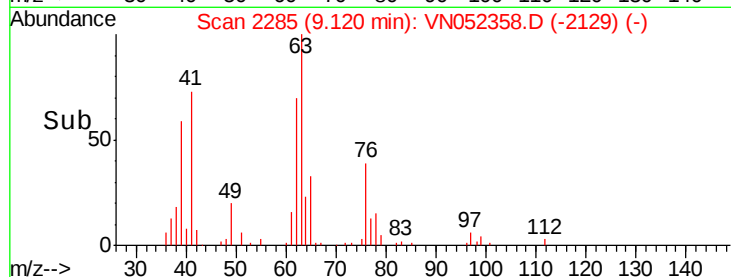
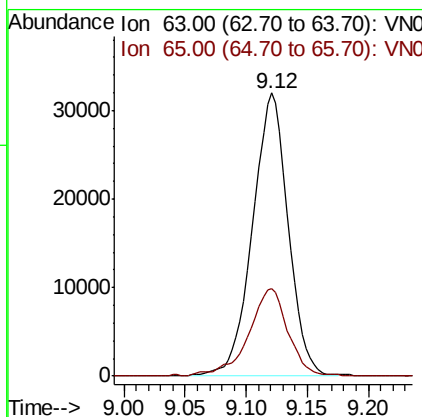
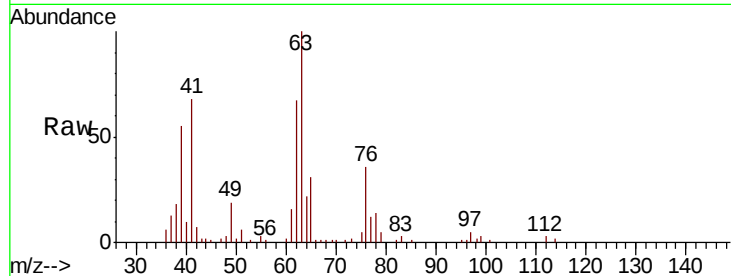
#39
 1,2-Dichloropropane
 Concen: 20.610 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	27.3	40.9

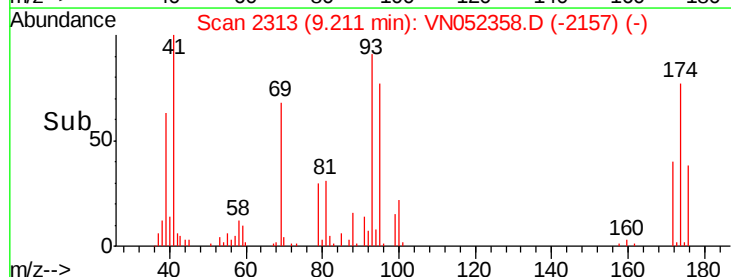
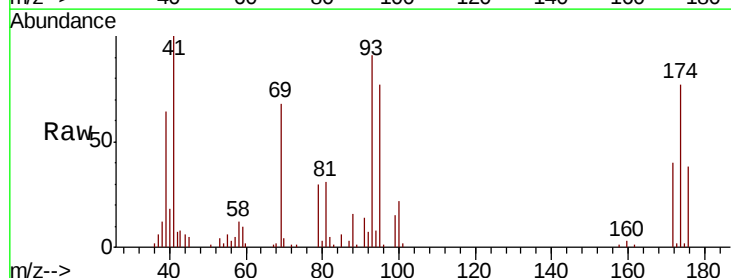
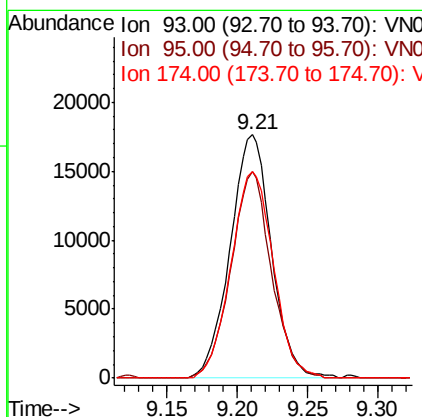
Manual Integrations
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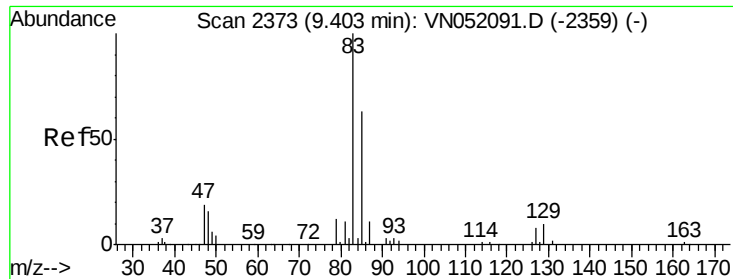
MMDadoda
 11/19/2018 12:46:01 PM



#40
 Dibromomethane
 Concen: 18.730 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	0.0	161.2
174	86.9	0.0	165.0





#41

Bromodichloromethane

Concen: 19.786 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

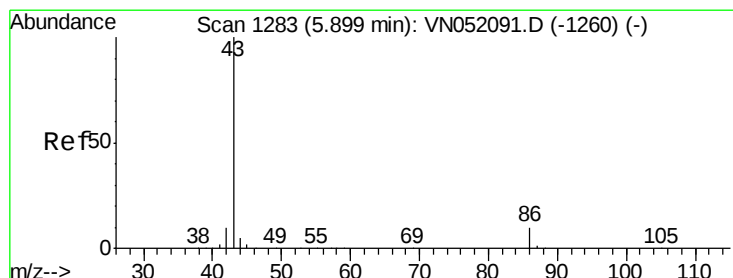
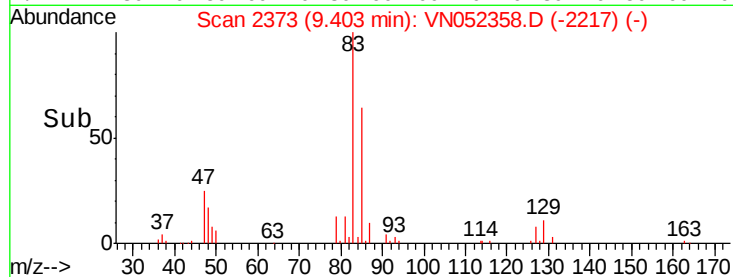
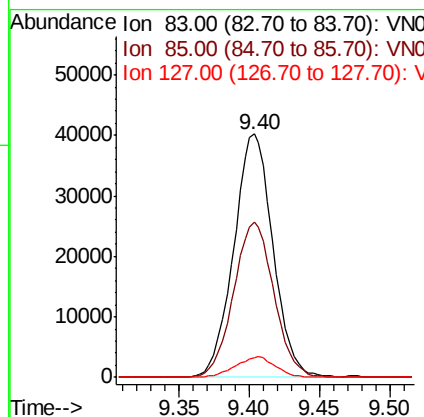
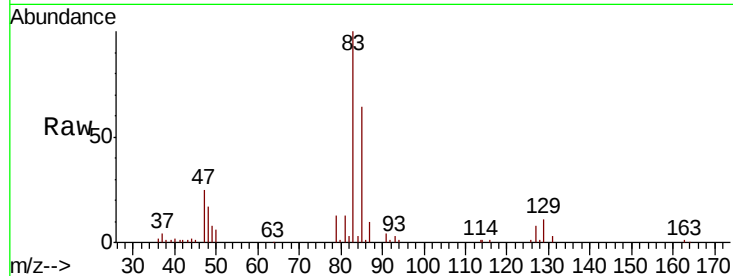
ClientSampleId :

VN1116WBSD01

Tot Ion:	83	Resp:	78130
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.2	75.2
127	8.2	6.6	10.0

Manual Integrations
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11/19/2018 12:46:01 PM



#42

Vinyl Acetate

Concen: 105.389 ug/l

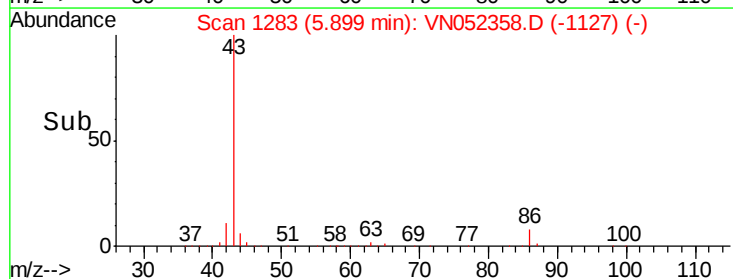
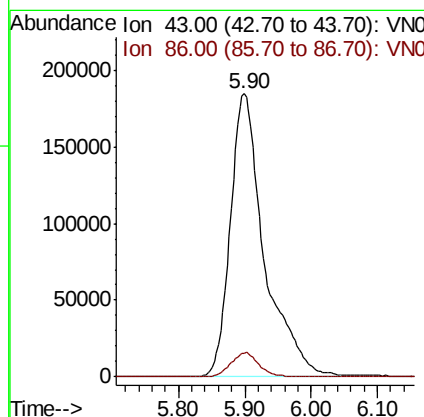
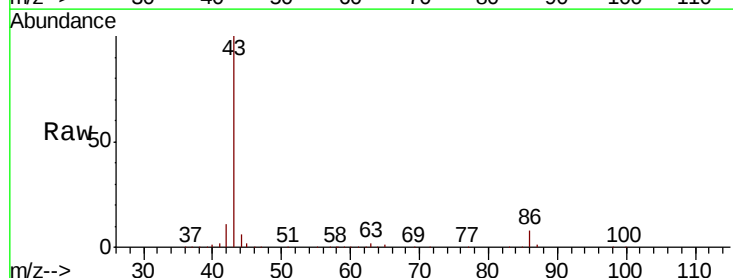
RT: 5.90 min Scan# 1283

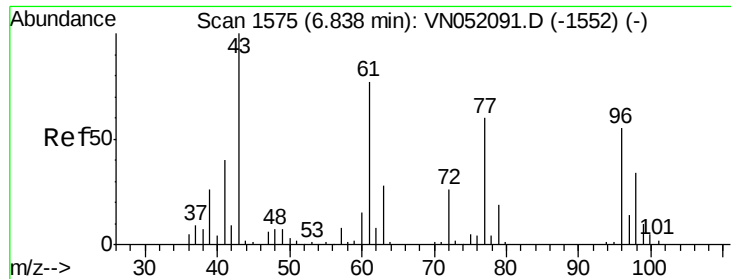
Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Tgt Ion:	43	Resp:	660042
Ion Ratio	Lower	Upper	
43	100		
86	7.0	6.6	10.0





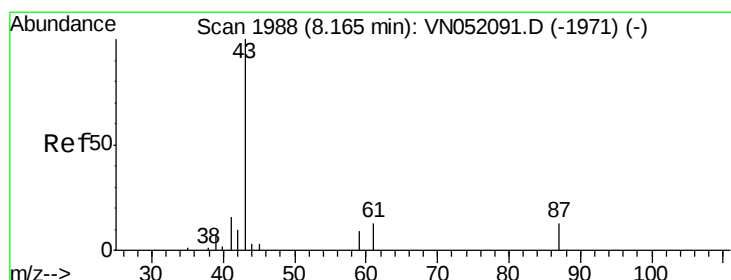
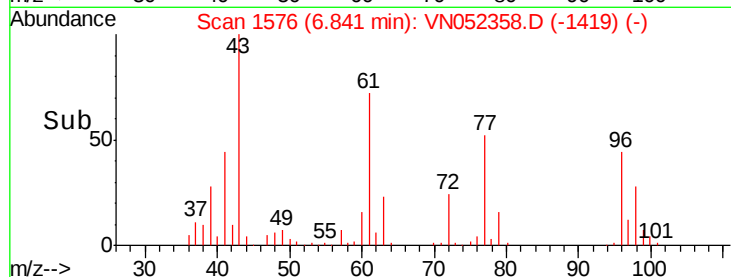
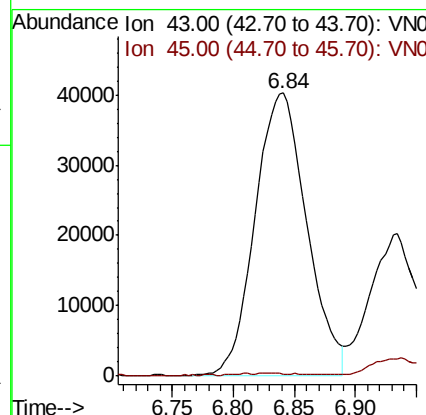
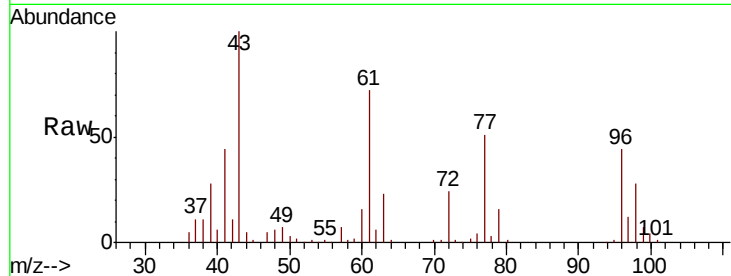
#43
Ethyl Acetate
Concen: 22.052 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion: 43 Resp: 118557
Ion Ratio Lower Upper
43 100
45 0.1 3.8 5.8#

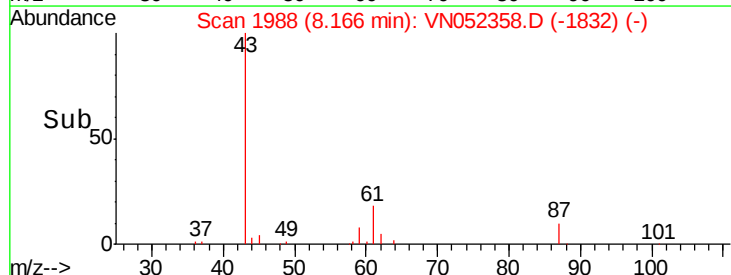
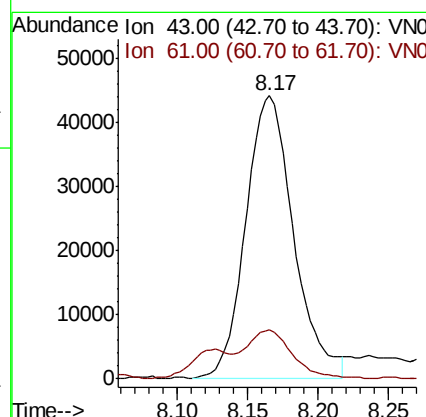
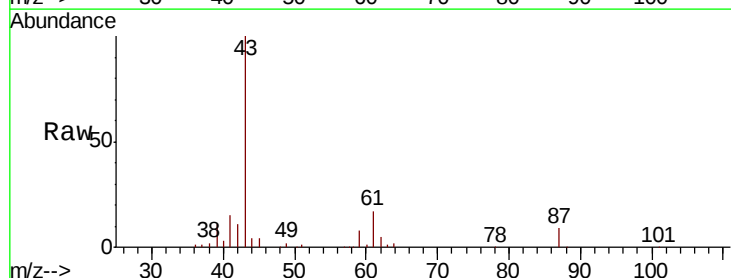
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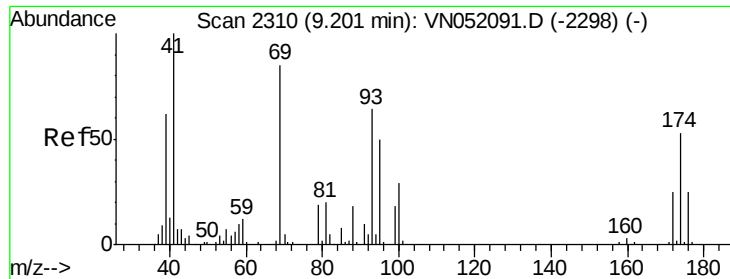
MMDadoda
11/19/2018 12:46:01 PM



#44
Isopropyl Acetate
Concen: 23.454 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 43 Resp: 104400
Ion Ratio Lower Upper
43 100
61 15.1 16.2 24.2#





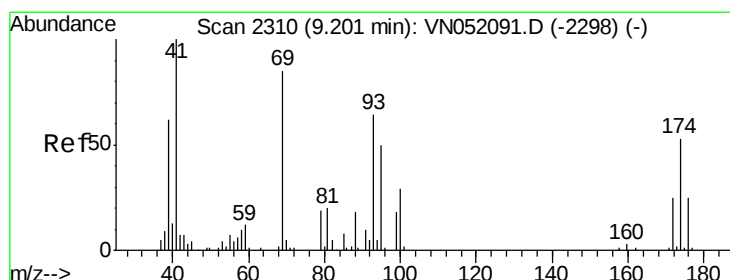
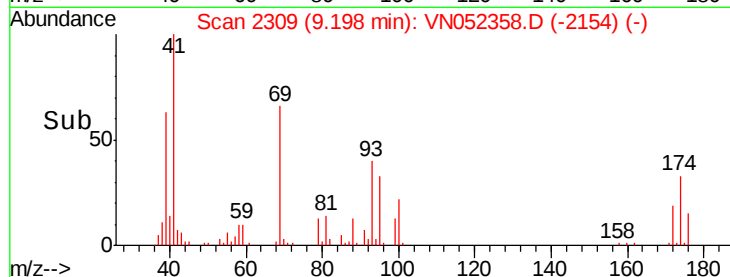
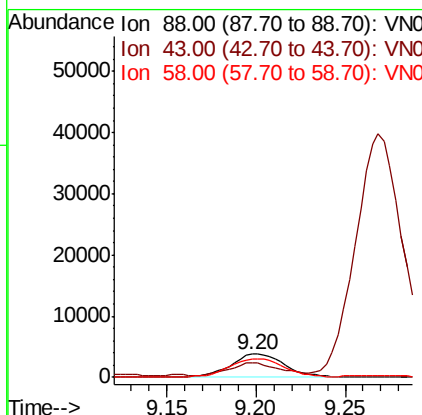
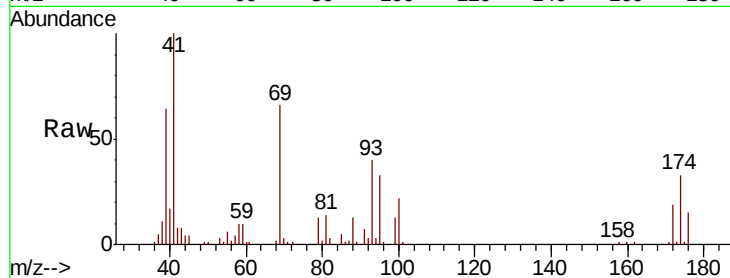
#45
 1,4-Dioxane
 Concen: 393.815 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.2	28.6	43.0#
58	82.5	37.8	56.8#

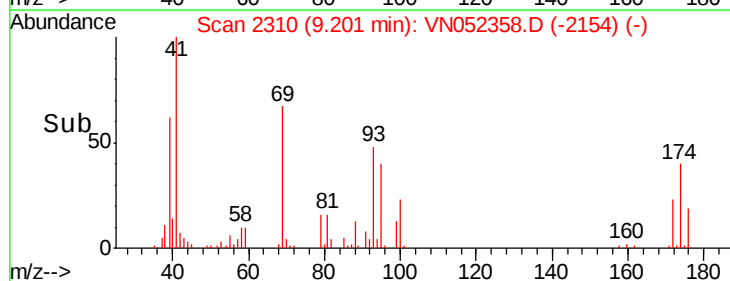
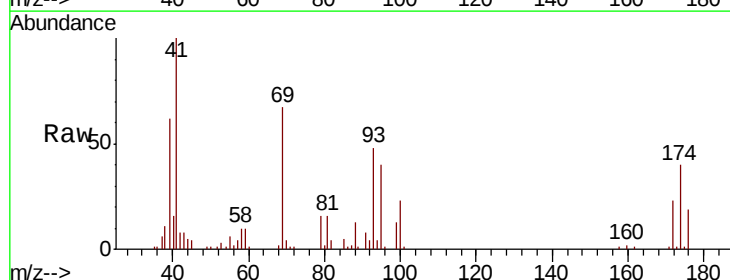
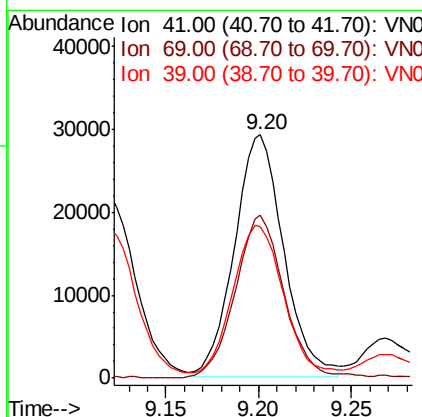
Manual Integrations
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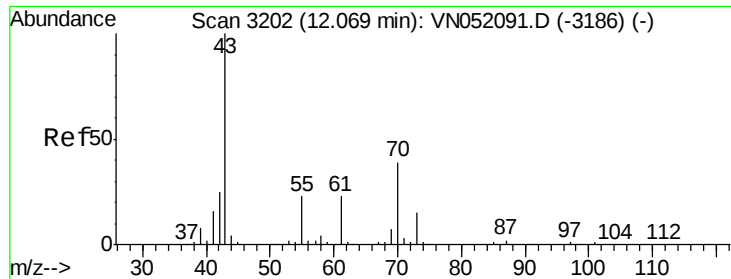
MMDadoda
 11/19/2018 12:46:01 PM



#46
 Methyl methacrylate
 Concen: 24.346 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	68.0	42.5	127.6
39	61.6	31.1	93.3





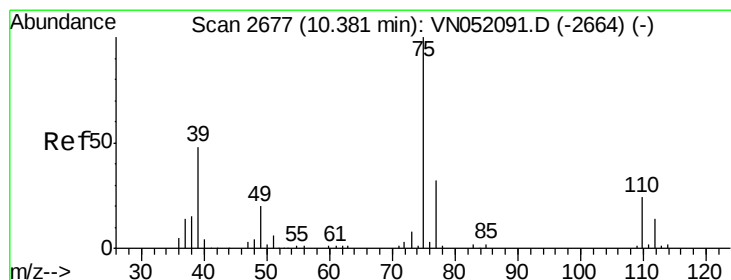
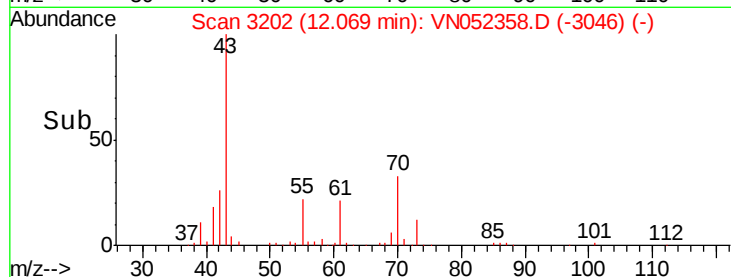
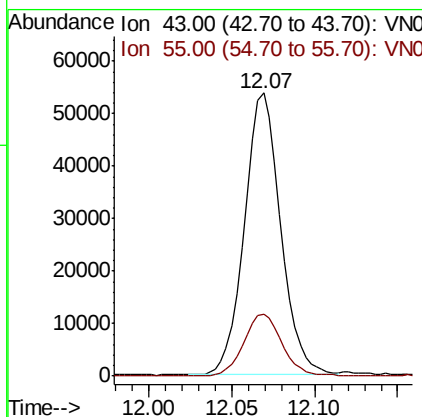
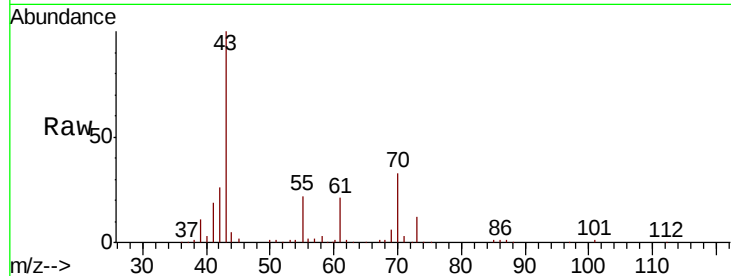
#47
n-amyl Acetate
Concen: 20.243 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion: 43 Resp: 81679
Ion Ratio Lower Upper
43 100
55 23.5 0.0 0.0#

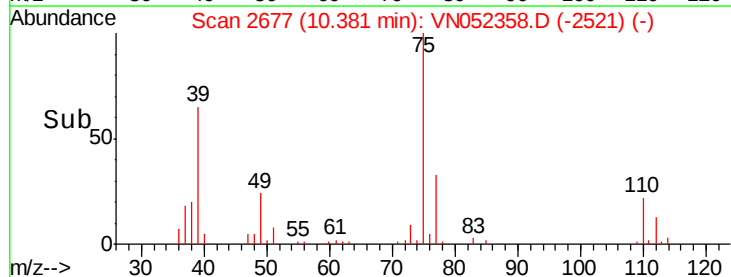
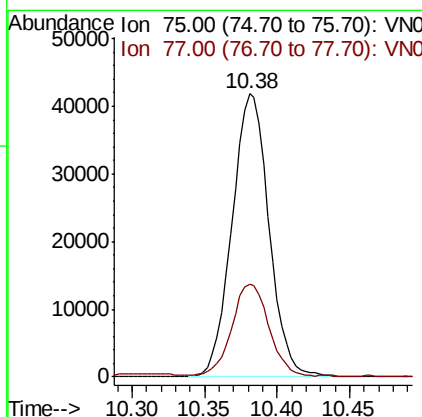
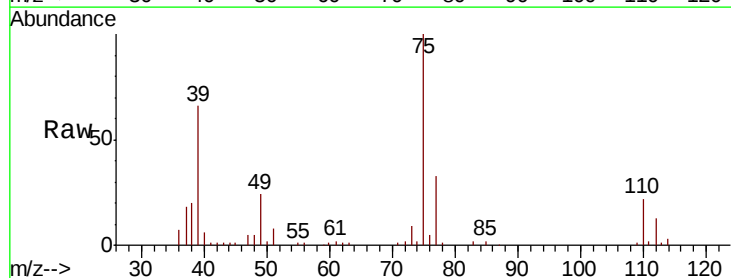
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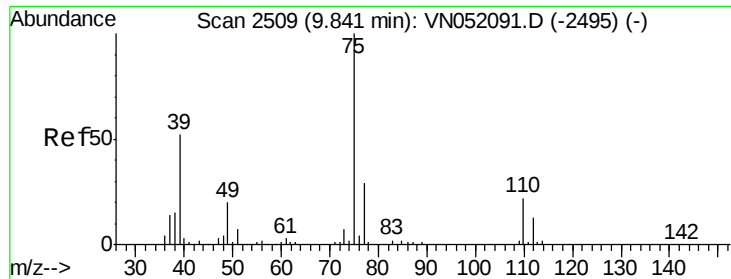
MMDadoda
11/19/2018 12:46:01 PM



#48
t-1,3-Dichloropropene
Concen: 18.887 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 75 Resp: 74058
Ion Ratio Lower Upper
75 100
77 32.9 26.3 39.5





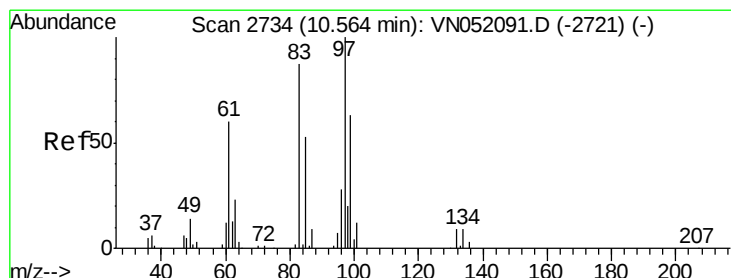
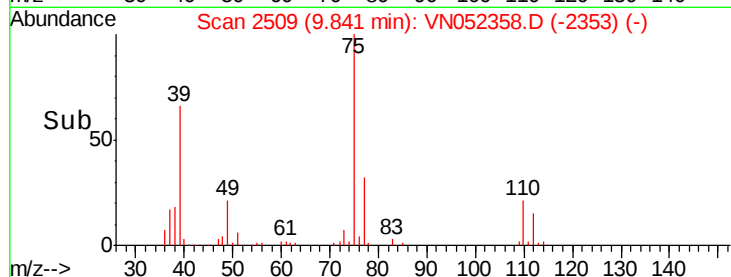
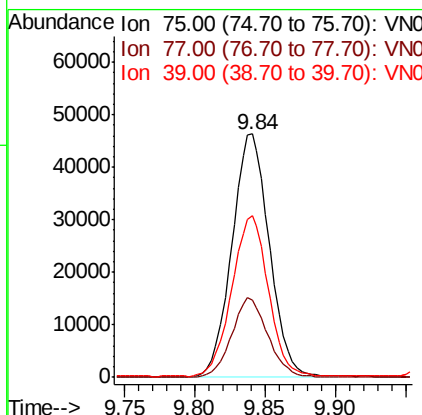
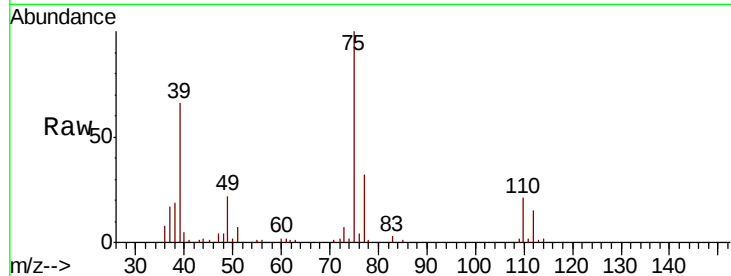
#49
 cis-1,3-Dichloropropene
 Concen: 19.053 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	23.3	34.9
39	66.3	41.6	62.4

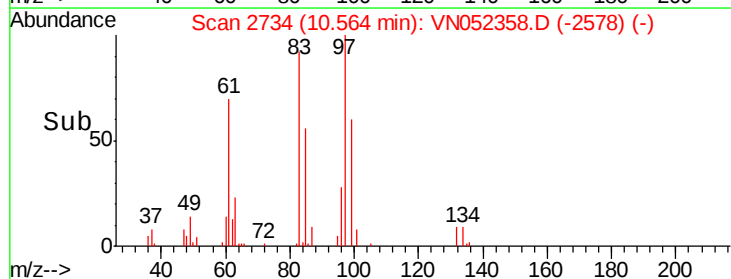
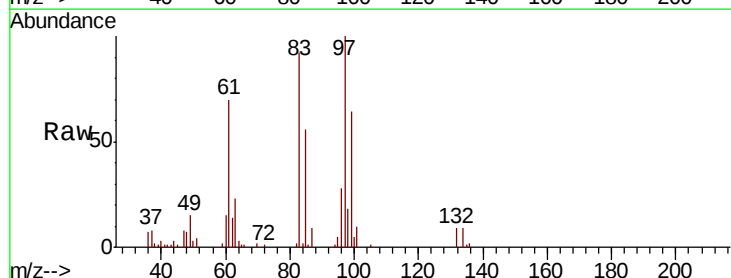
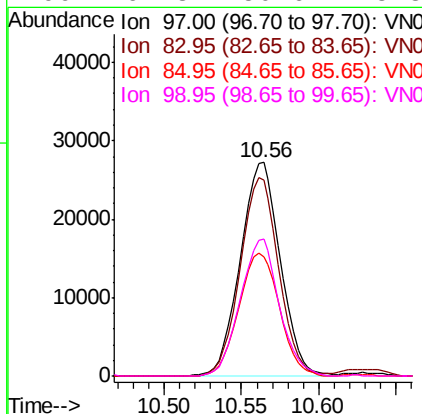
Manual Integrations
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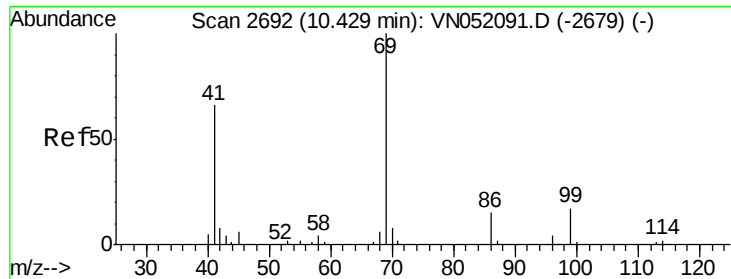
MMDadoda
 11/19/2018 12:46:01 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.261 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.7	69.4	104.0
85	55.9	42.7	64.1
99	64.3	50.6	75.8





#51

Ethyl methacrylate

Concen: 18.984 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

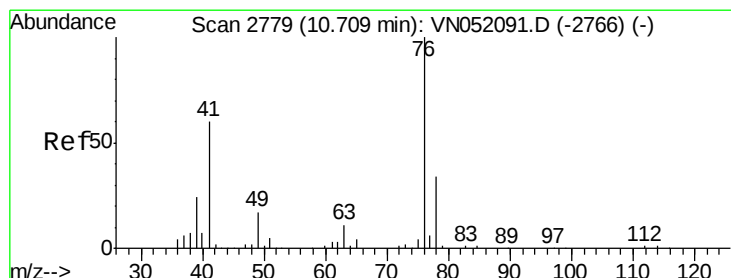
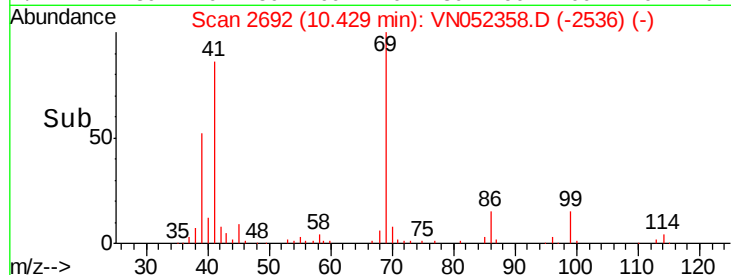
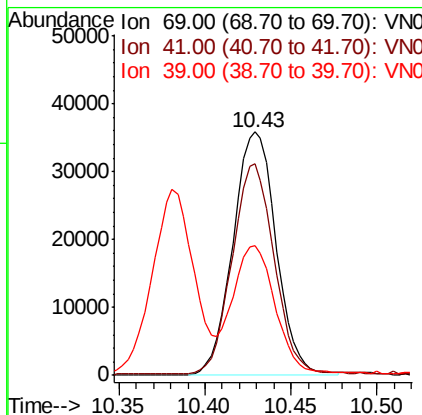
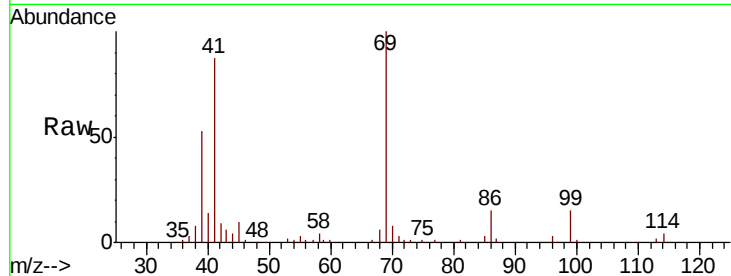
ClientSampleId :

VN1116WBSD01

Tot Ion:	69	Resp:	62614
Ion Ratio	Lower	Upper	
69	100		
41	86.3	33.0	99.0
39	51.8	20.7	62.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.486 ug/l

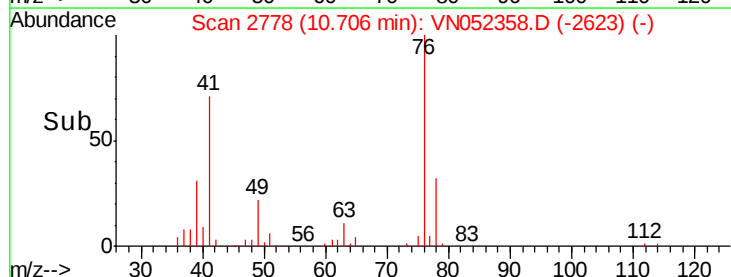
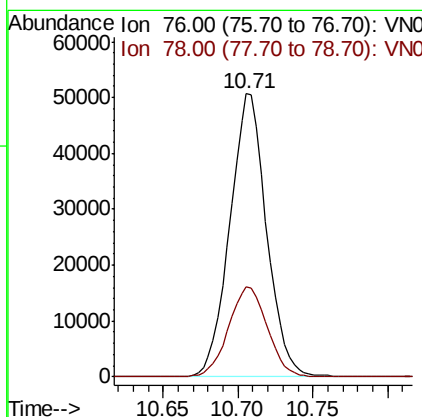
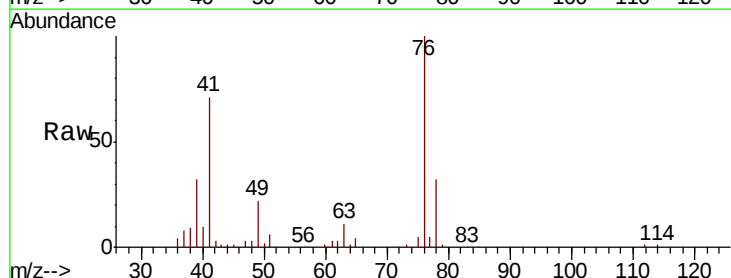
RT: 10.71 min Scan# 2778

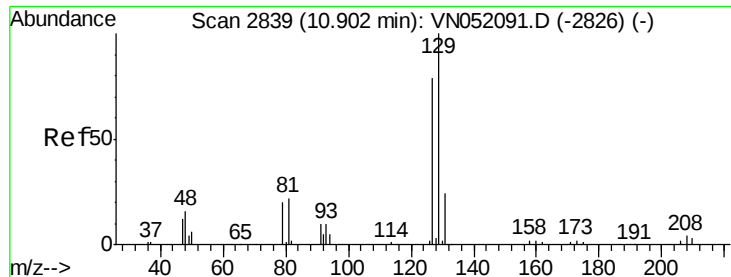
Delta R.T. -0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Tgt Ion:	76	Resp:	86623
Ion Ratio	Lower	Upper	
76	100		
78	33.5	0.0	65.0





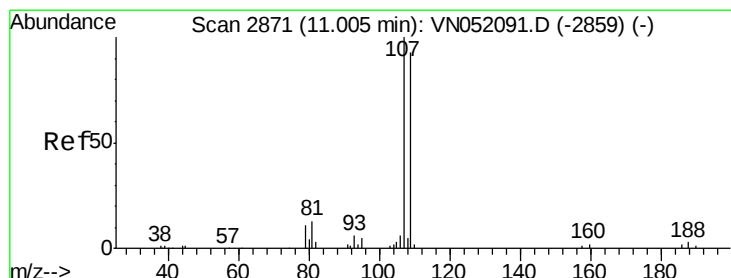
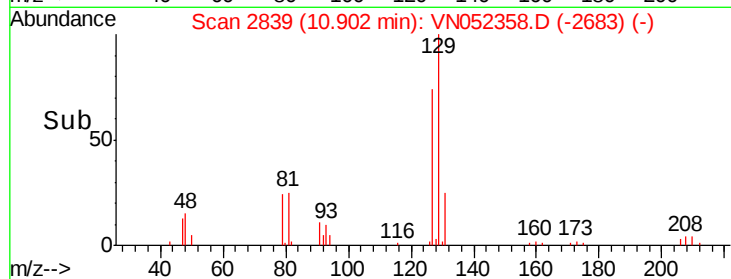
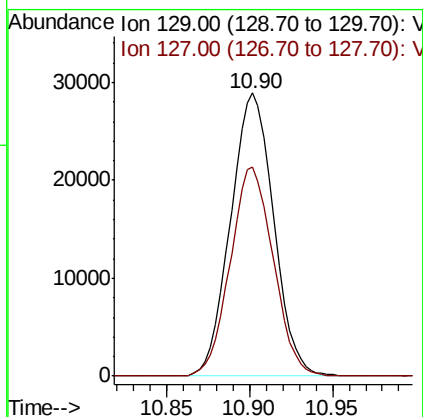
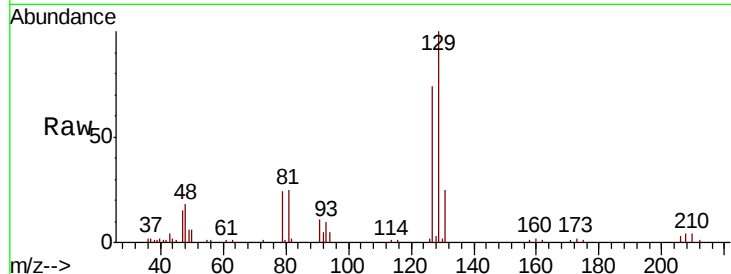
#53
 Dibromochloromethane
 Concen: 18.968 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Tot Ion:129 Resp: 52259
 Ion Ratio Lower Upper
 129 100
 127 73.5 39.2 117.6

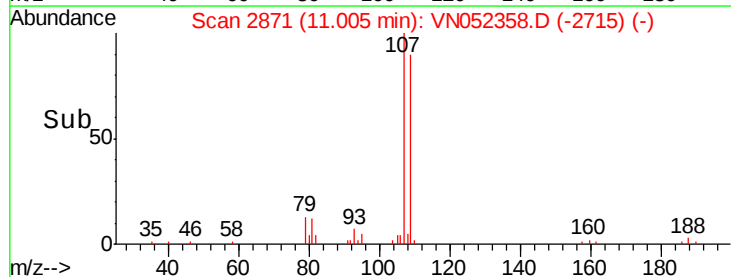
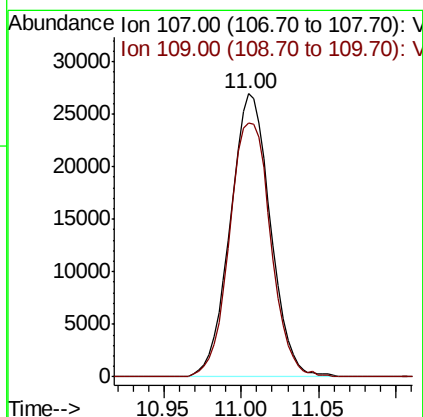
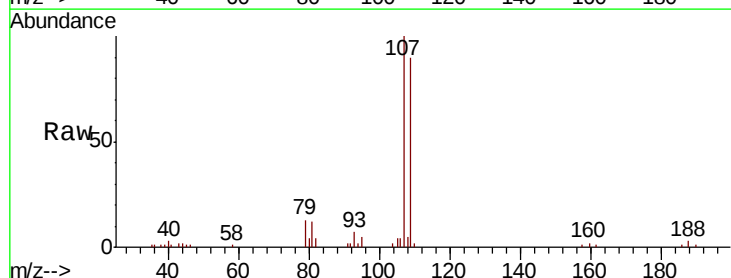
Manual Integrations
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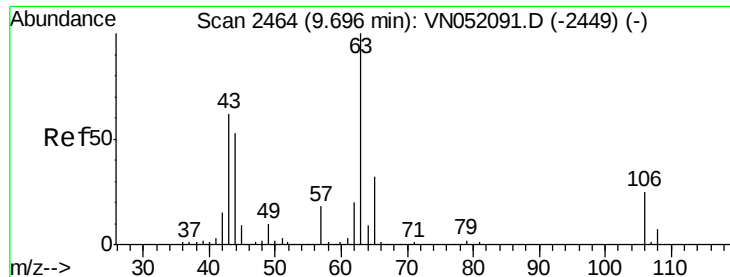
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#54
 1,2-Dibromoethane
 Concen: 18.730 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion:107 Resp: 48473
 Ion Ratio Lower Upper
 107 100
 109 92.0 77.0 115.6





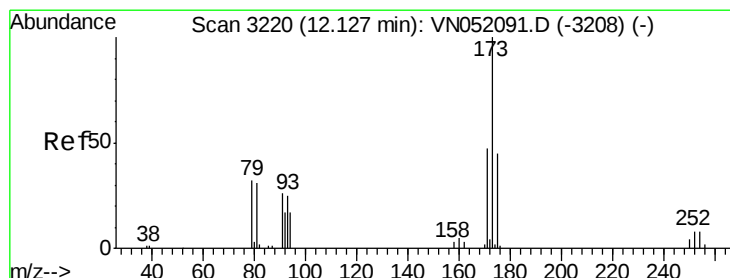
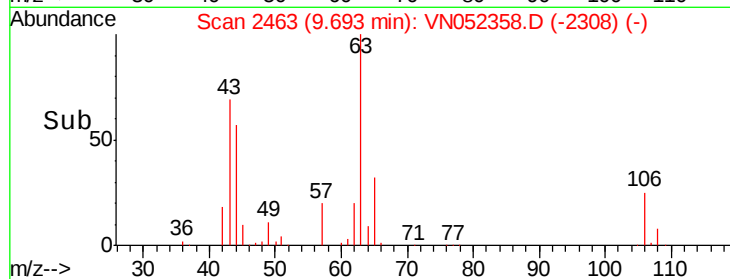
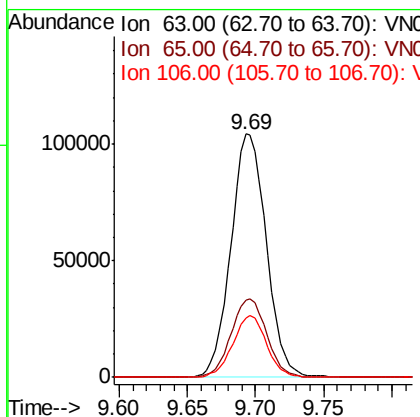
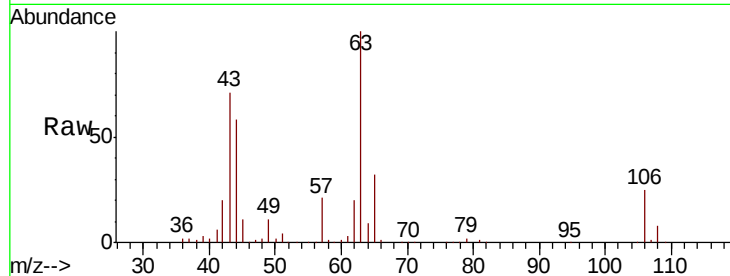
#55
2-Chloroethyl vinyl ether
Concen: 104.149 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.5	38.3
106	24.3	20.4	30.6

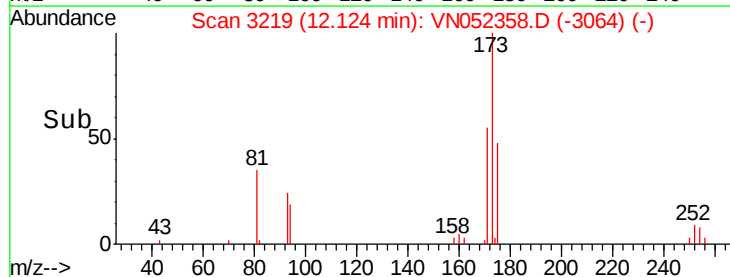
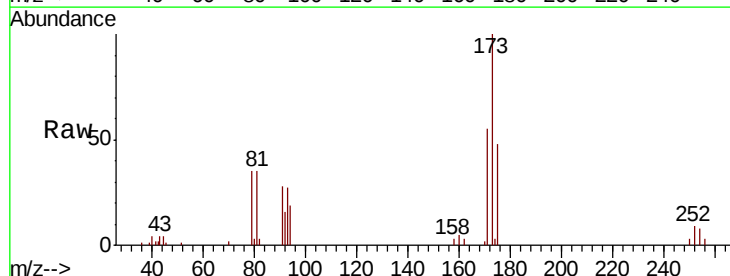
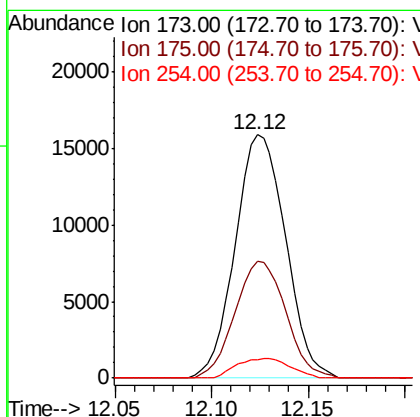
Manual Integrations
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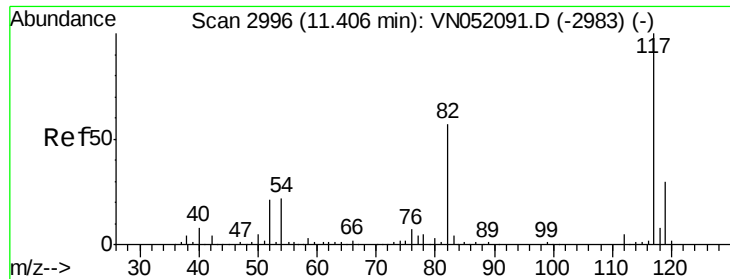
MMDadoda
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#56
Bromoform
Concen: 18.098 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	37.3	55.9
254	8.6	7.0	10.6





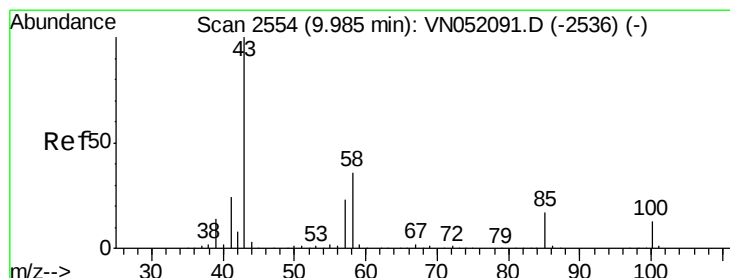
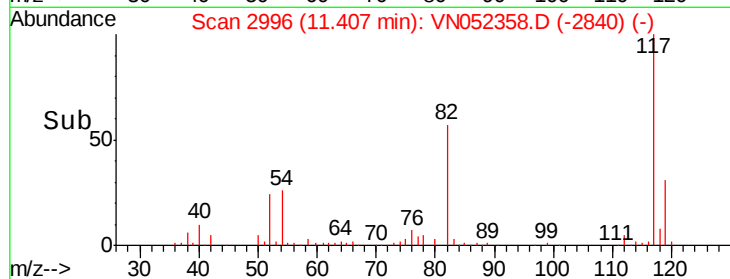
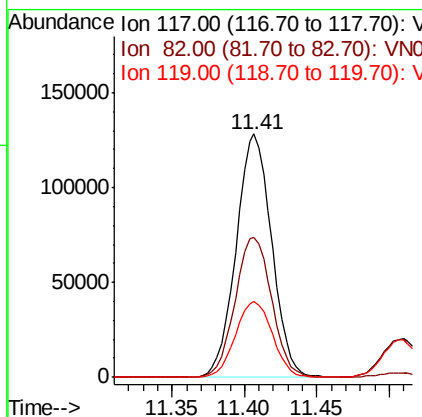
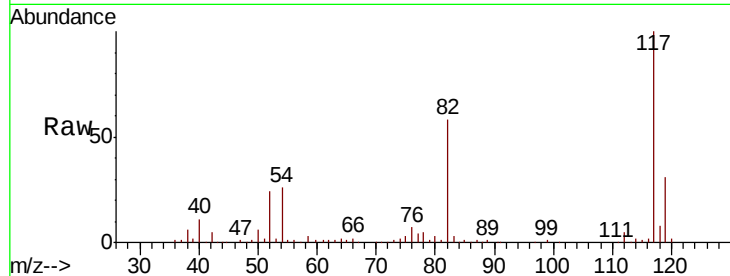
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	218818		
82	59.0	45.0	67.6	
119	32.3	24.2	36.4	

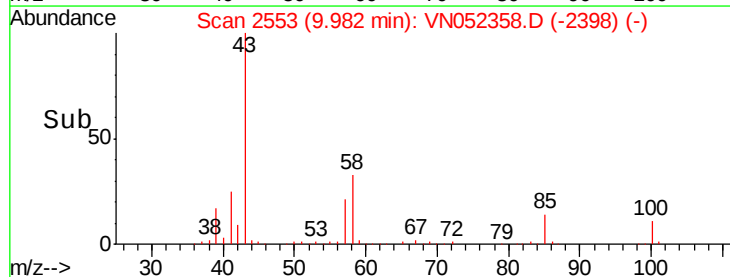
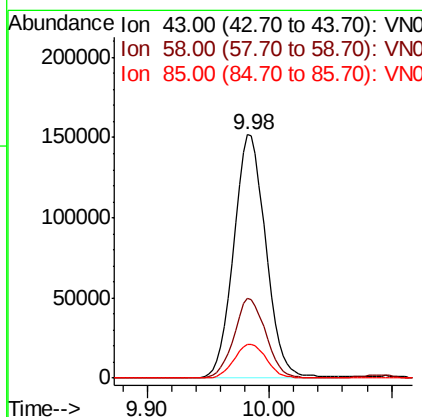
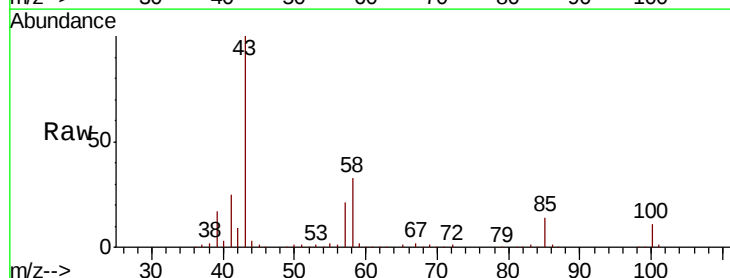
Manual Integrations
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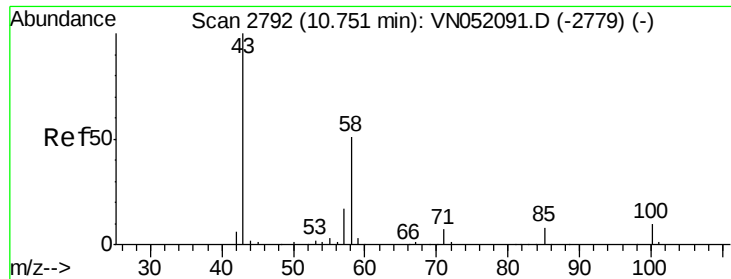
MMDadoda
11/19/2018 12:46:01 PM



#58
4-Methyl-2-Pentanone
Concen: 117.462 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	275419		
58	32.5	29.0	43.6	
85	14.1	13.4	20.2	





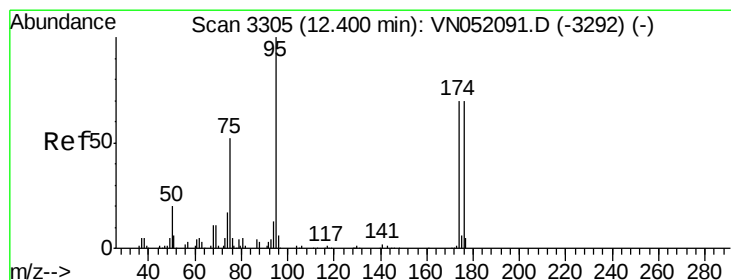
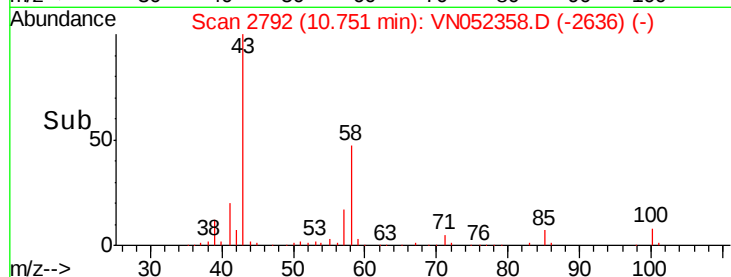
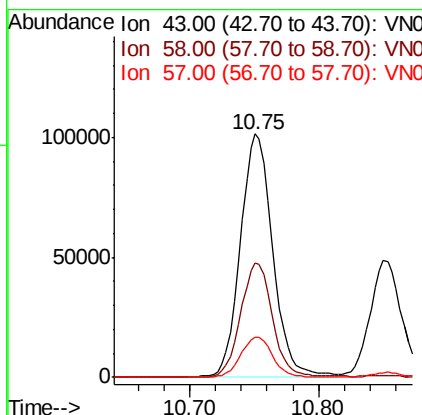
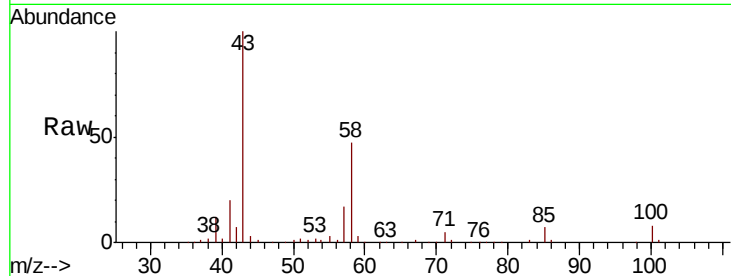
#59
2-Hexanone
Concen: 109.022 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.8	40.8	61.2
57	16.5	13.8	20.8

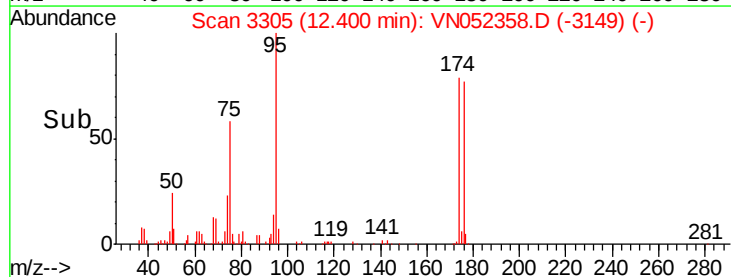
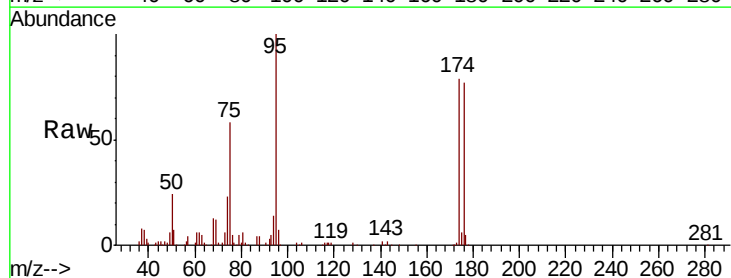
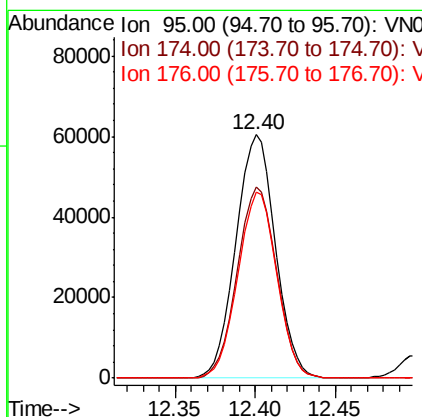
Manual Integrations
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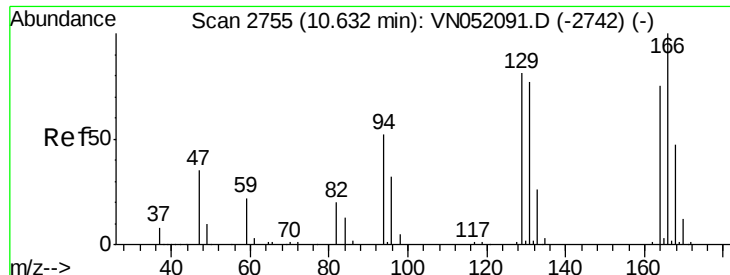
MMDadoda
11/19/2018 12:46:01 PM



#60
4-Bromofluorobenzene
Concen: 109.022 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.4	55.0	82.6
176	75.4	54.2	81.4





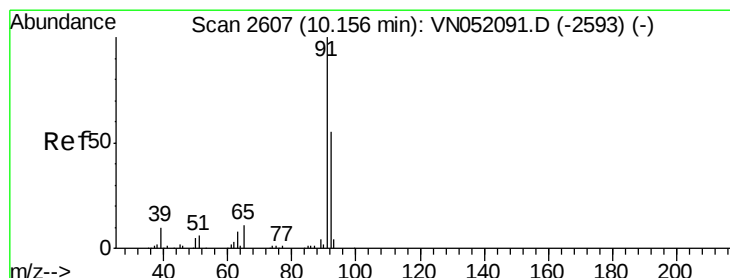
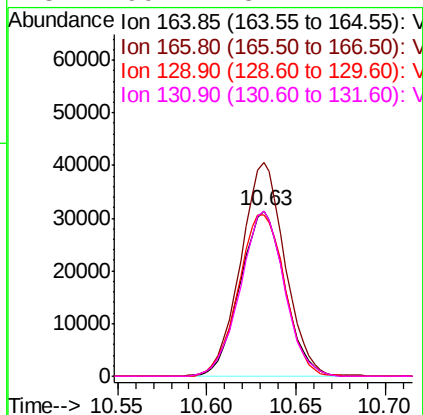
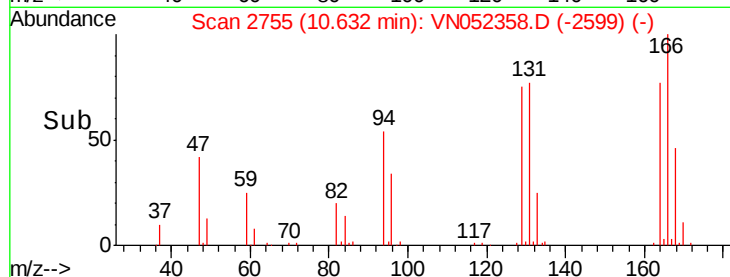
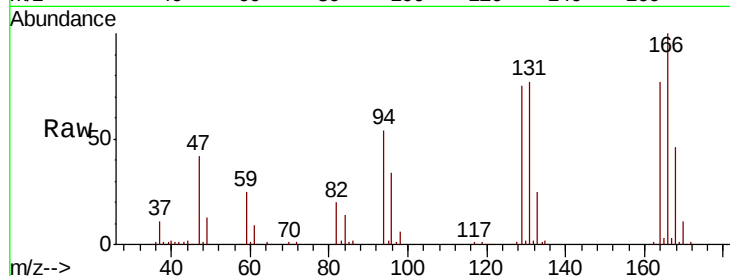
#61
Tetrachloroethene
Concen: 23.064 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.8	106.4	159.6
129	97.4	87.0	130.4
131	99.7	81.4	122.2

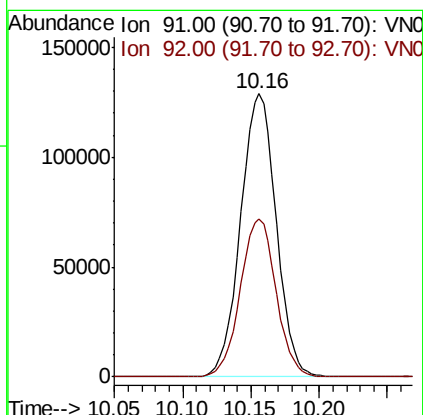
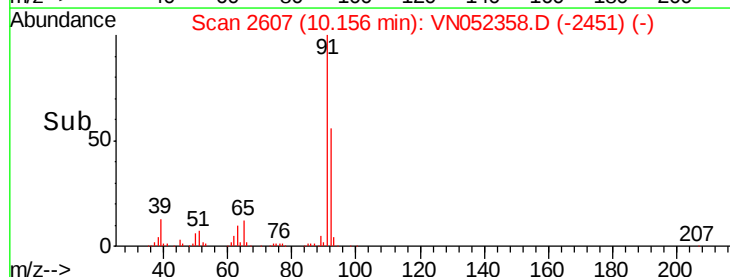
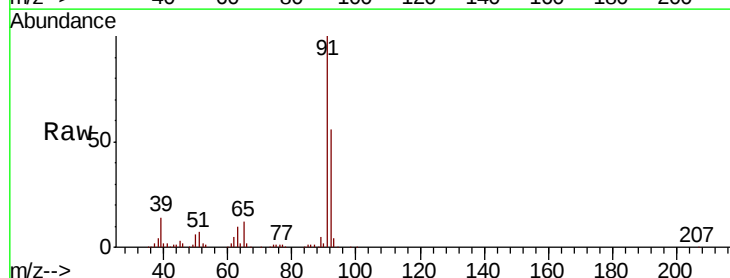
Manual Integrations
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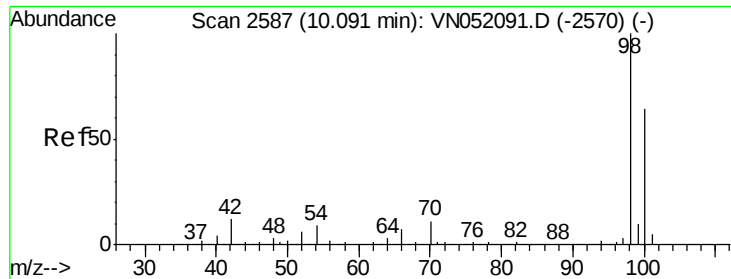
MMDadoda
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#62
Toluene
Concen: 19.025 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	44.6	67.0





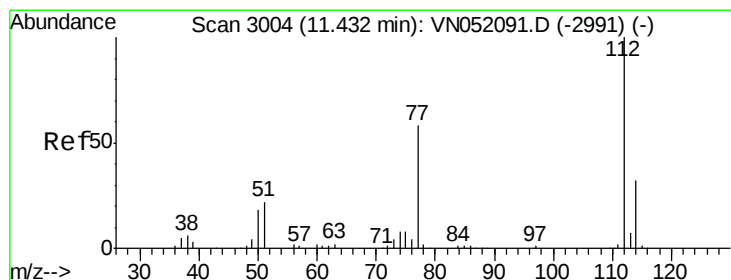
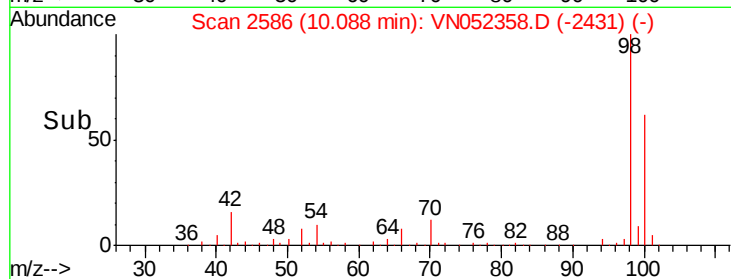
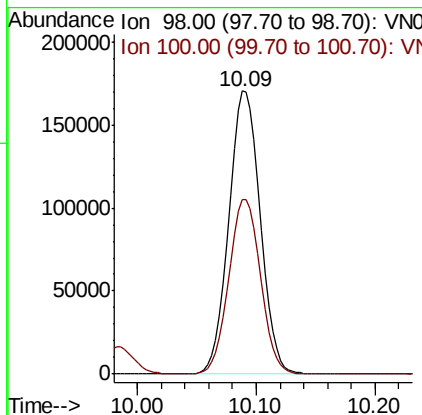
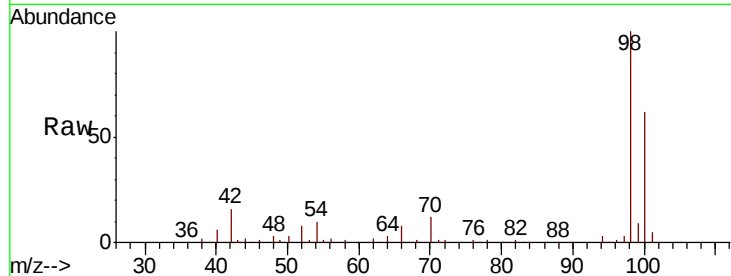
#63
Toluene-d8
Concen: 19.025 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion: 98 Resp: 312614
Ion Ratio Lower Upper
98 100
100 62.5 50.7 76.1

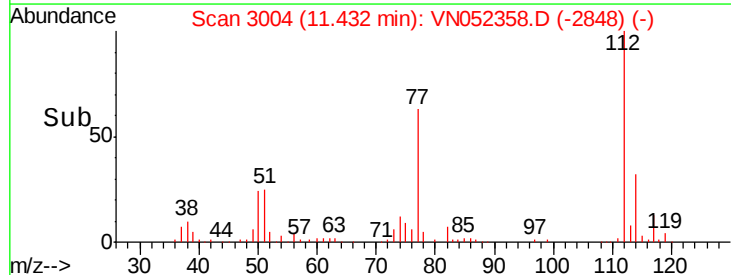
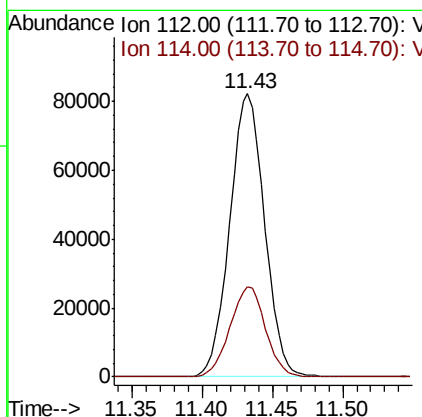
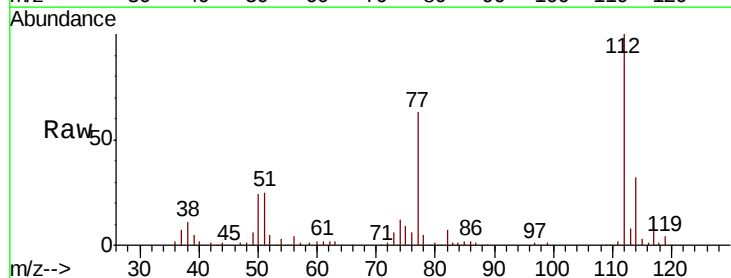
Manual Integrations
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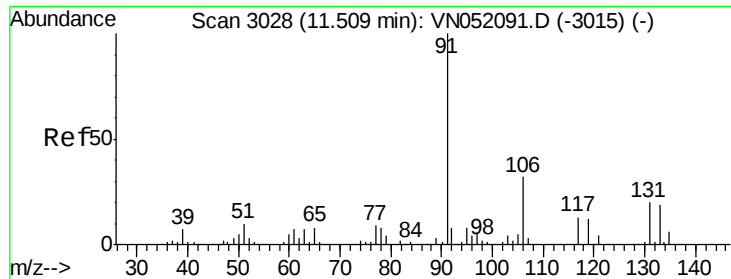
MMDadoda
11/19/2018 12:46:01 PM



#64
Chlorobenzene
Concen: 18.251 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion: 112 Resp: 142085
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3





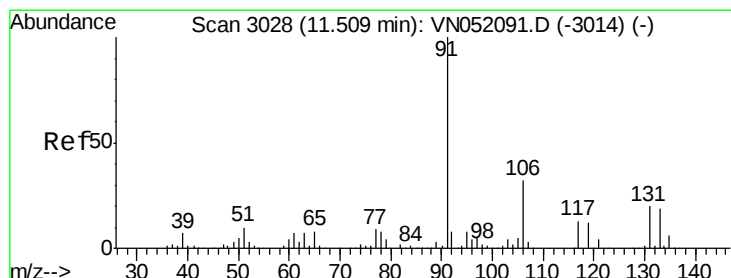
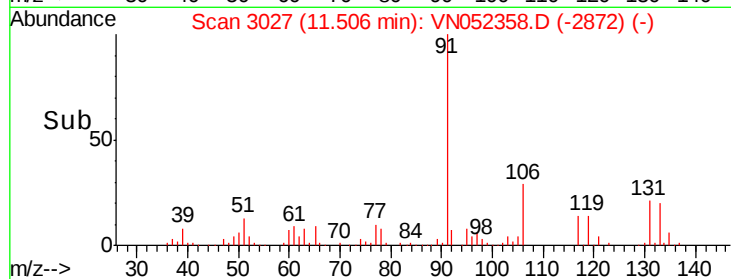
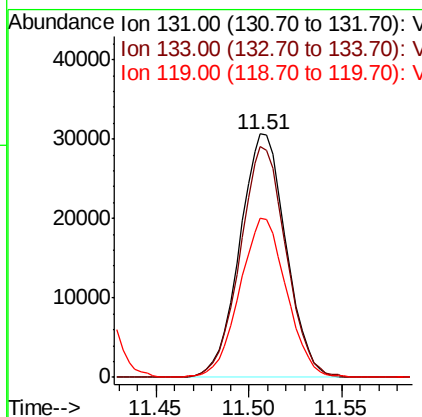
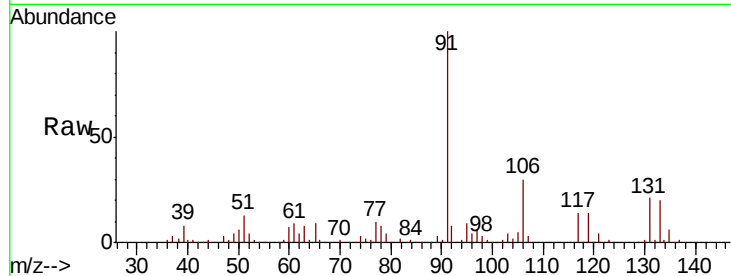
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.017 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.1	0.0	188.8
119	66.0	0.0	131.4

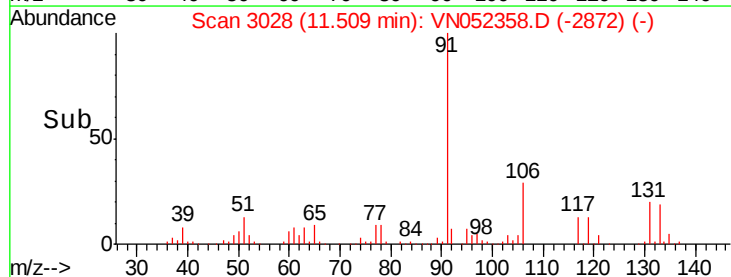
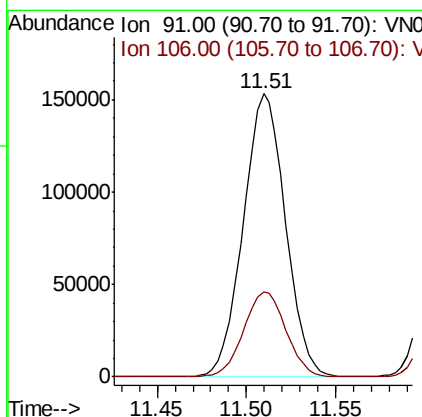
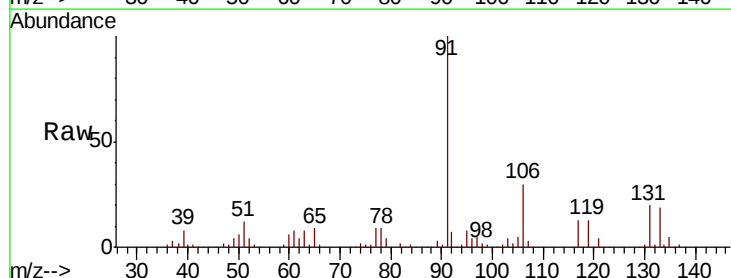
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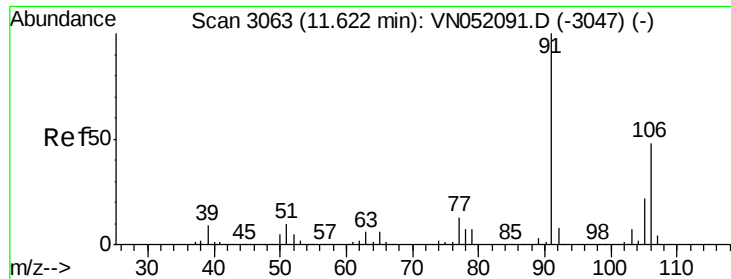
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#66
 Ethyl Benzene
 Concen: 19.104 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.7	38.5





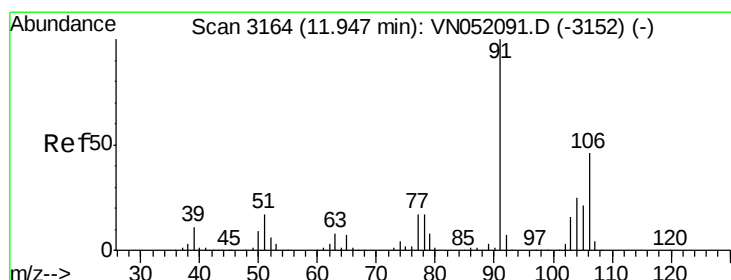
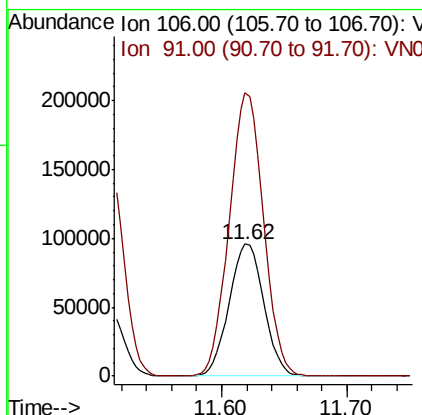
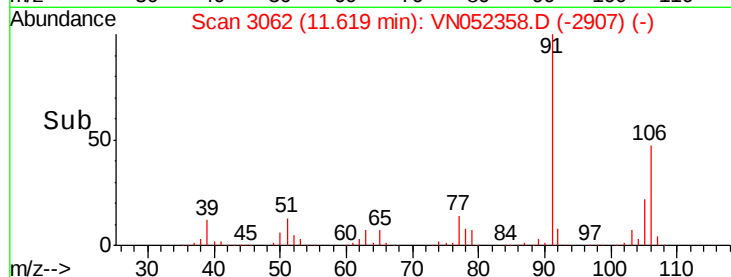
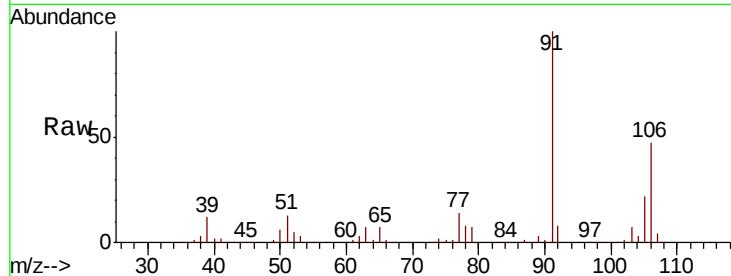
#67
m/p-Xylenes
Concen: 36.129 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion:106 Resp: 184555
Ion Ratio Lower Upper
106 100
91 210.9 163.6 245.4

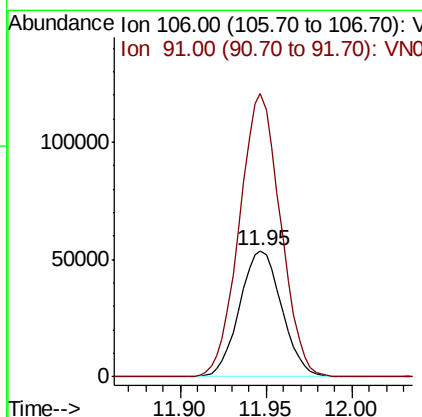
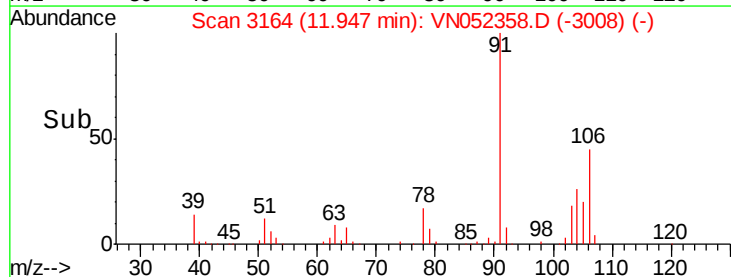
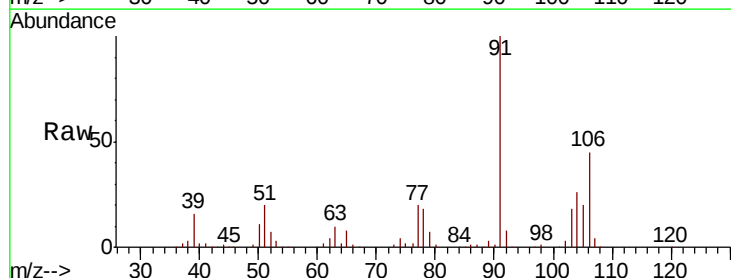
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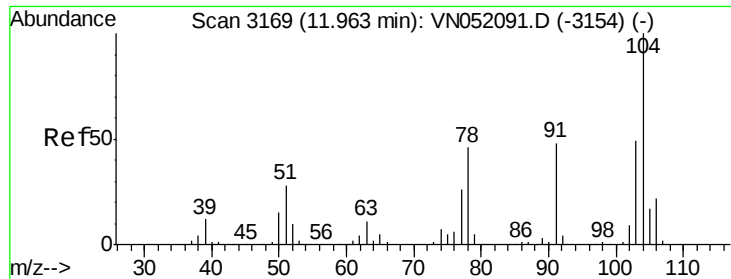
MMDadoda
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#68
o-Xylene
Concen: 18.724 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion:106 Resp: 91192
Ion Ratio Lower Upper
106 100
91 219.6 110.0 330.0





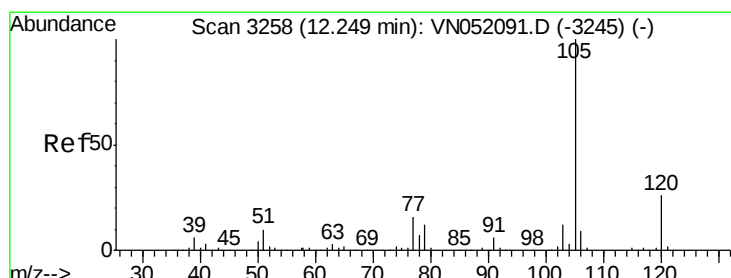
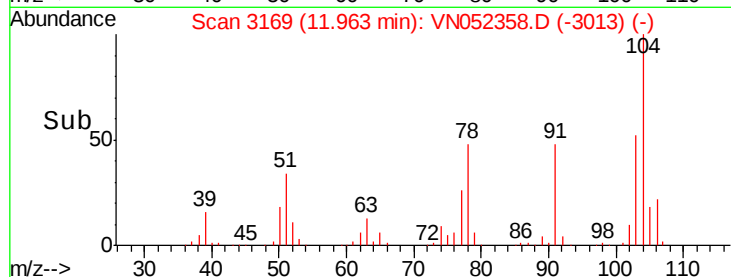
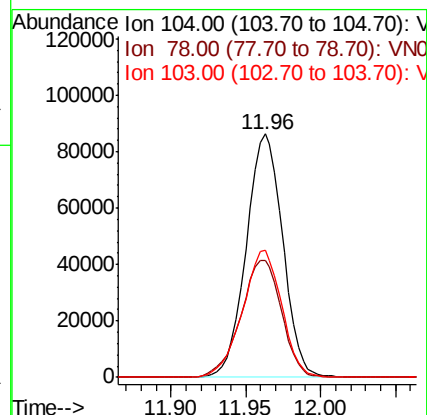
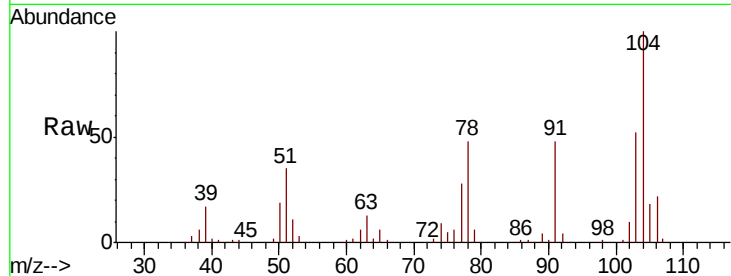
#69
Stvrene
Concen: 18.676 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.7	41.3	61.9
103	56.0	43.3	64.9

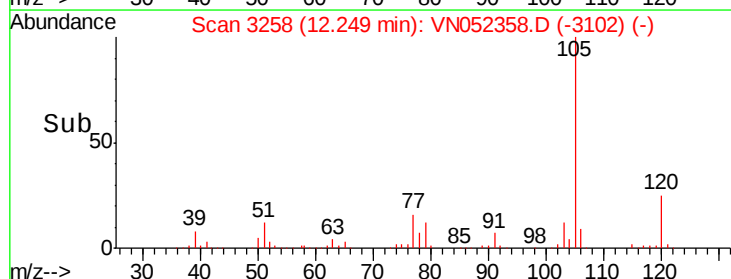
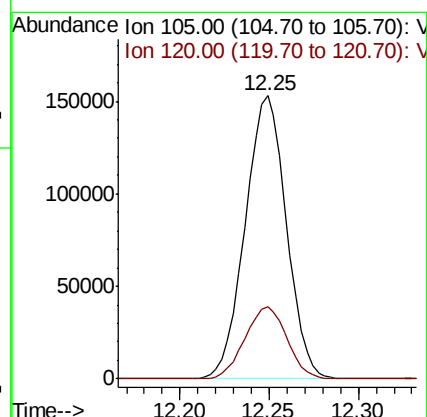
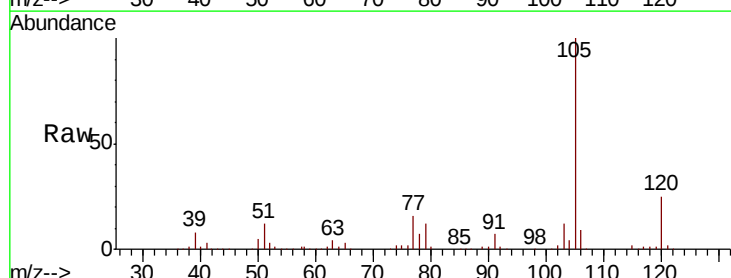
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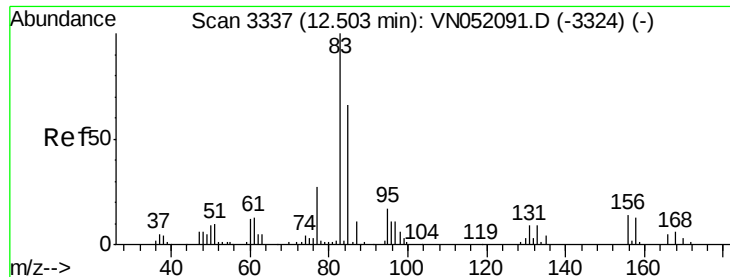
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#70
Isopropylbenzene
Concen: 18.850 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.4	34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.734 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

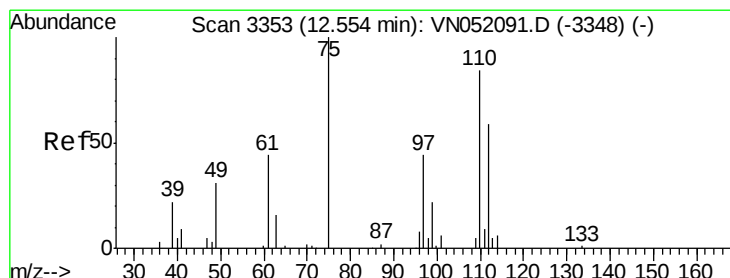
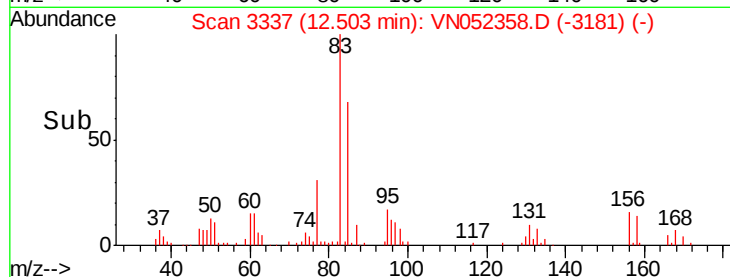
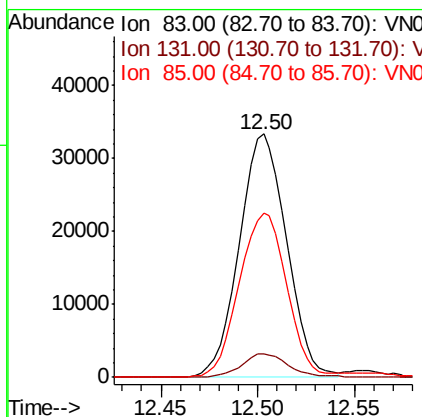
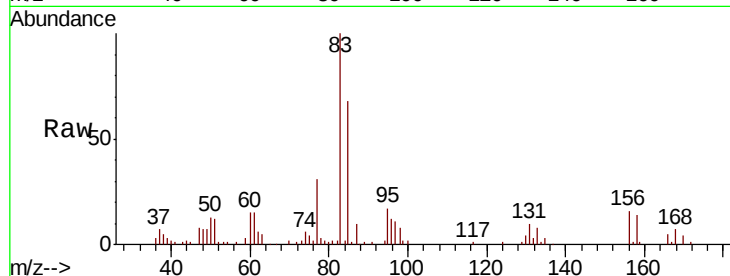
ClientSampleId :

VN1116WBSD01

Tot Ion:	83	Resp:	56750
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	68.2	32.7	98.1

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#72

1,2,3-Trichloropropane

Concen: 19.283 ug/l m

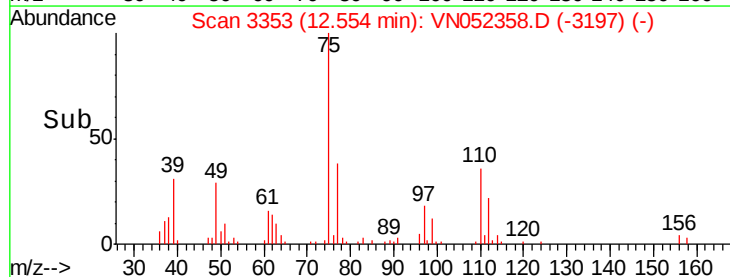
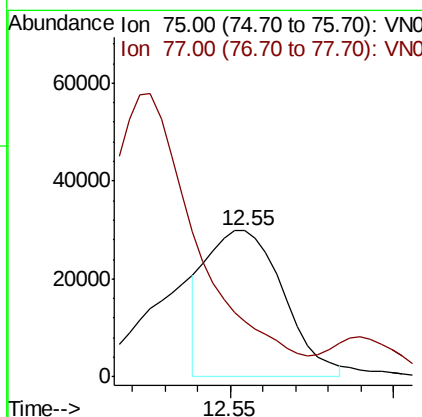
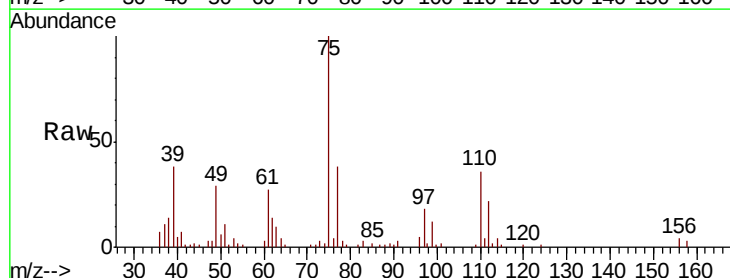
RT: 12.55 min Scan# 3353

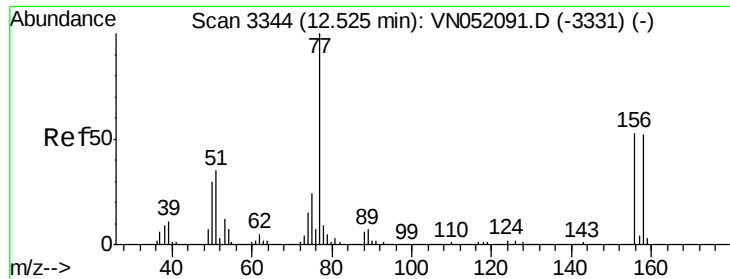
Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Tgt Ion:	75	Resp:	48757
Ion Ratio	Lower	Upper	
75	100		
77	238.2	0.0	481.8





#73

Bromobenzene

Concen: 19.627 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

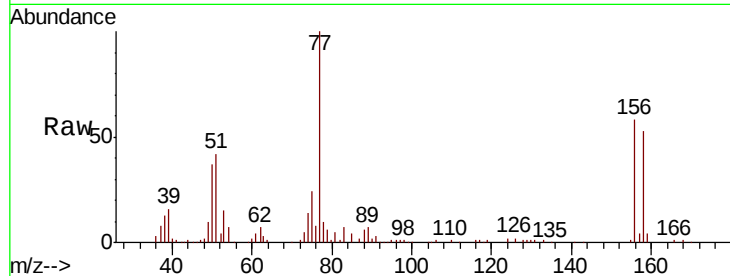
ClientSampleId :

VN1116WBSD01

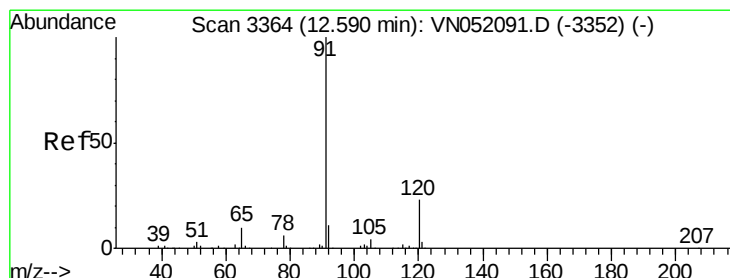
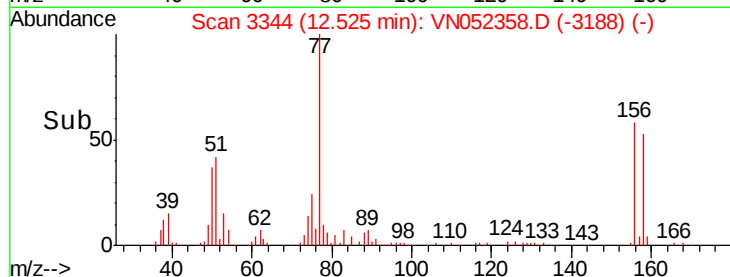
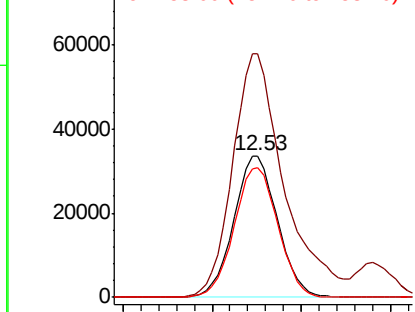
Tot Ion:	156	Resp:	56859
Ion	Ratio	Lower	Upper
156	100		
77	204.3	0.0	428.0
158	92.2	0.0	196.8

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.925 ug/l

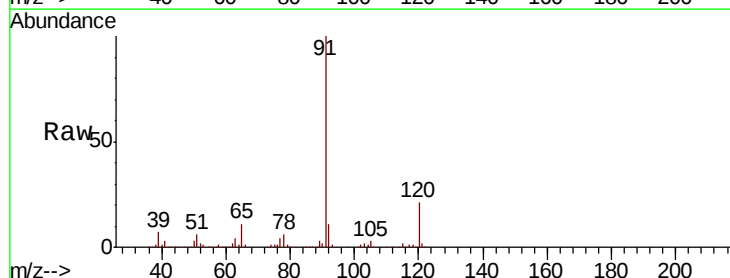
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

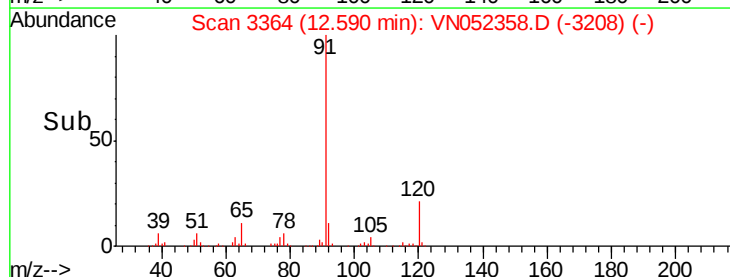
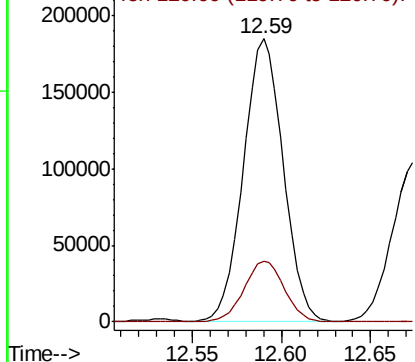
Lab File: VN052358.D

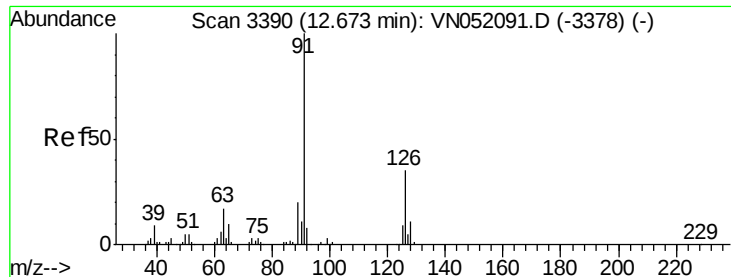
Acq: 16 Nov 2018 12:20

Tgt Ion:	91	Resp:	288124
Ion	Ratio	Lower	Upper
91	100		
120	21.6	0.0	44.8



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





#75

2-Chlorotoluene

Concen: 19.167 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

Tot Ion: 91 Resp: 168241

Ion Ratio Lower Upper

91 100

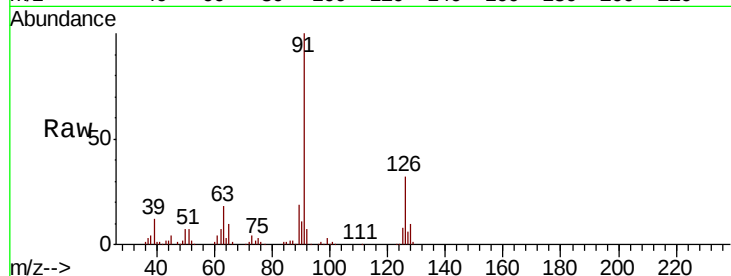
126 32.9 0.0 68.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052091.D (-3378) (-)

200000

150000

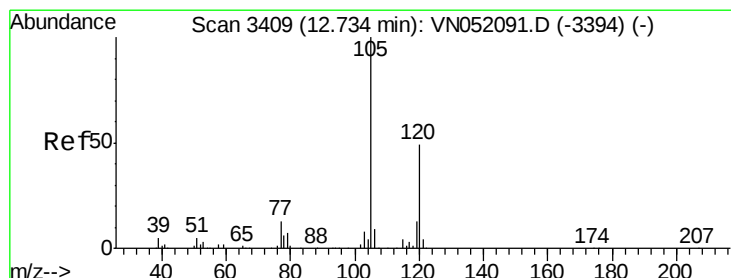
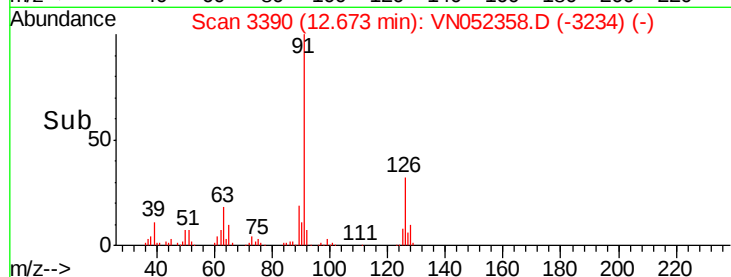
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.278 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052358.D

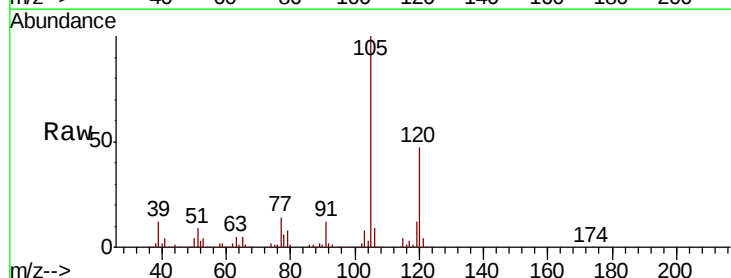
Acq: 16 Nov 2018 12:20

Tgt Ion: 105 Resp: 202107

Ion Ratio Lower Upper

105 100

120 46.0 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052091.D (-3394) (-)

150000

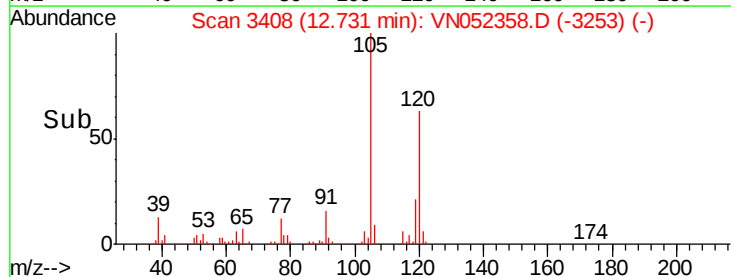
100000

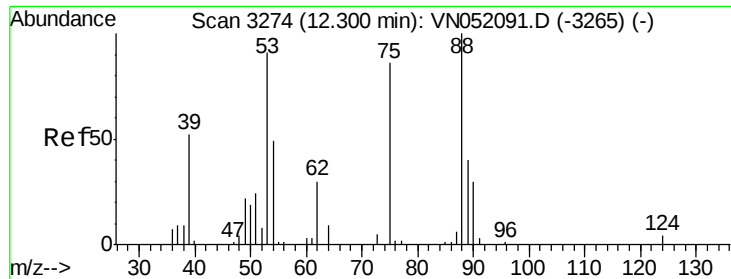
50000

0

12.65 12.70 12.75 12.80

Time-->





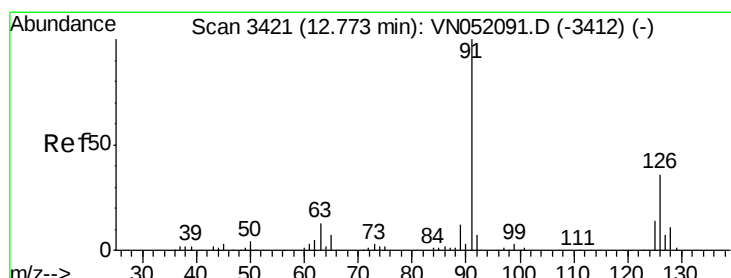
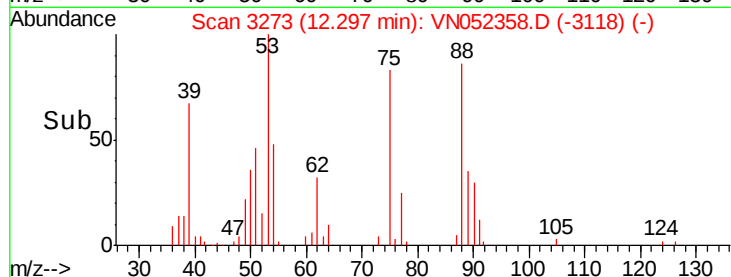
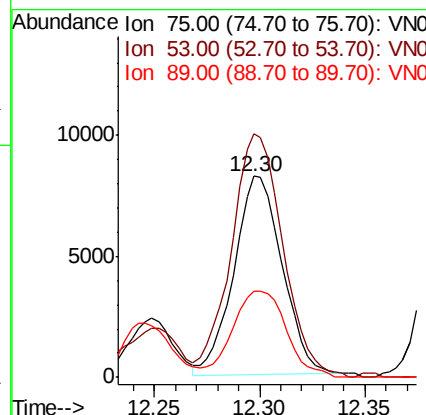
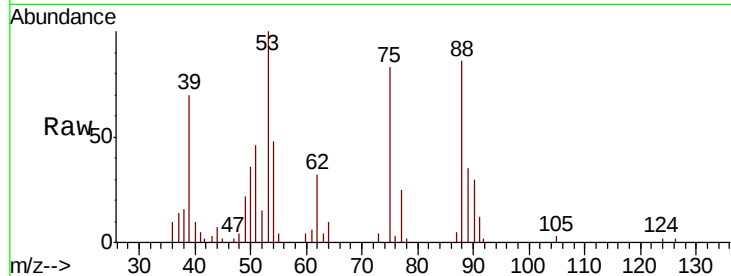
#77
t-1,4-Dichloro-2-butene
Concen: 16.571 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.3	50.7	152.1
89	43.8	23.8	71.5

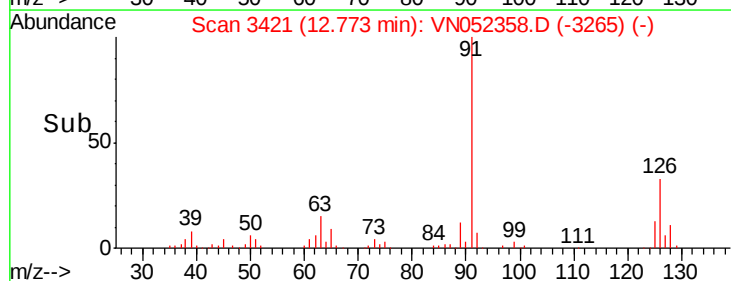
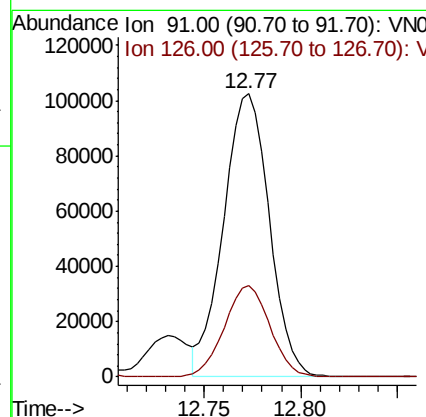
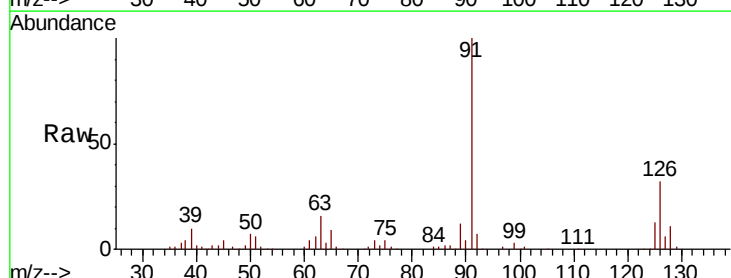
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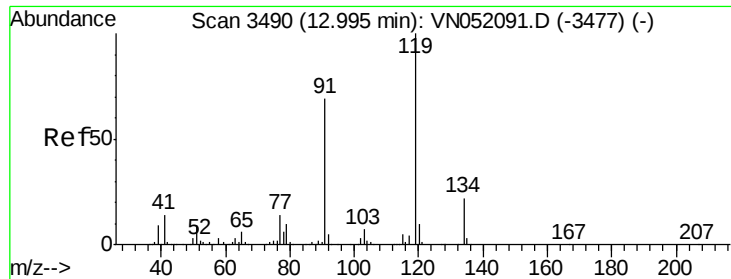
MMDadoda
11/19/2018 12:46:01 PM



#78
4-Chlorotoluene
Concen: 19.029 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	68.0





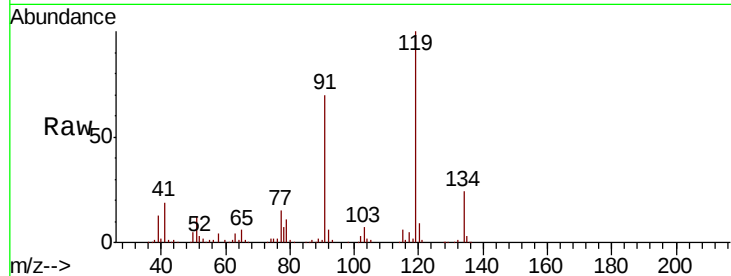
#79
tert-butylbenzene
Concen: 18.906 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

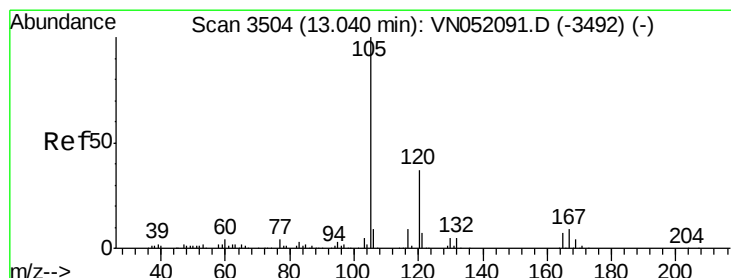
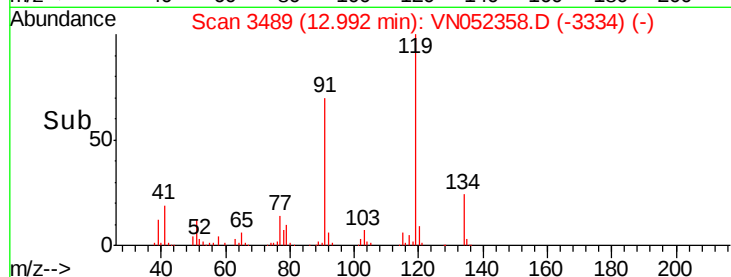
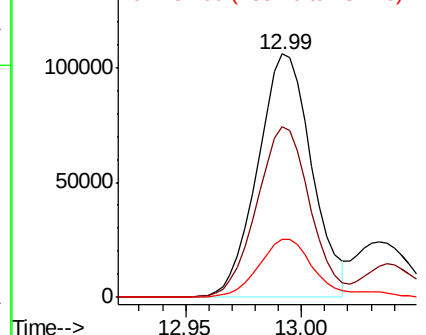
Tot Ion	Ratio	Resp	Lower	Upper
119	100	172650		
91	69.2	0.0	131.2	
134	24.0	0.0	45.8	

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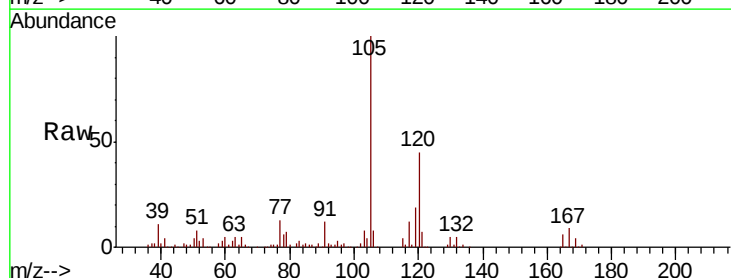


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

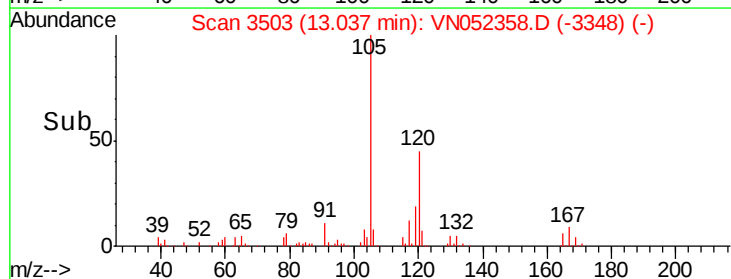
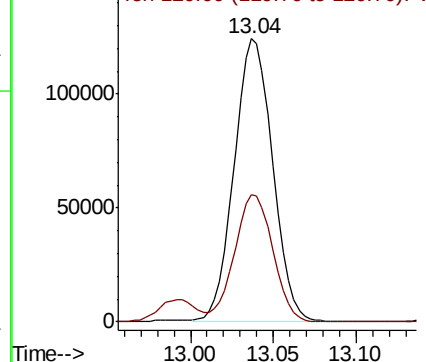


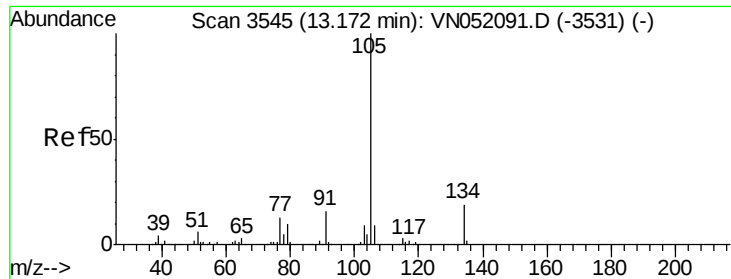
#80
1,2,4-Trimethylbenzene
Concen: 19.233 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	200874		
120	45.0	0.0	89.4	



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





#81

sec-Butylbenzene

Concen: 19.382 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

Tot Ion:105 Resp: 243586

Ion Ratio Lower Upper

105 100

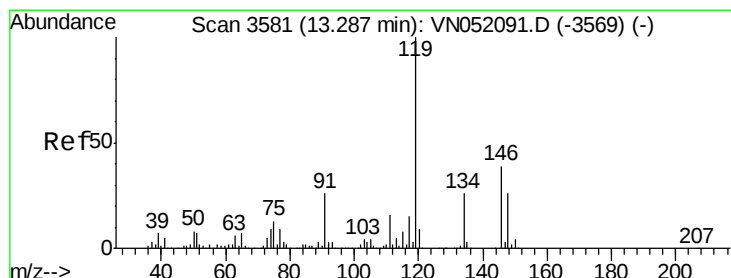
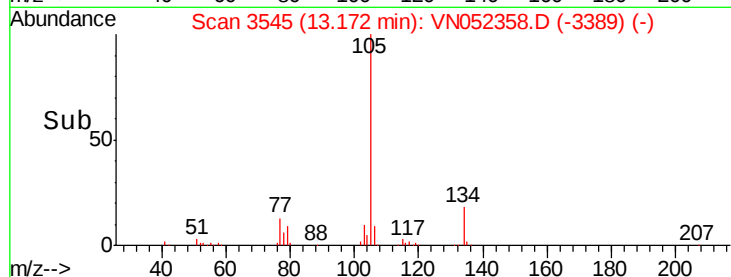
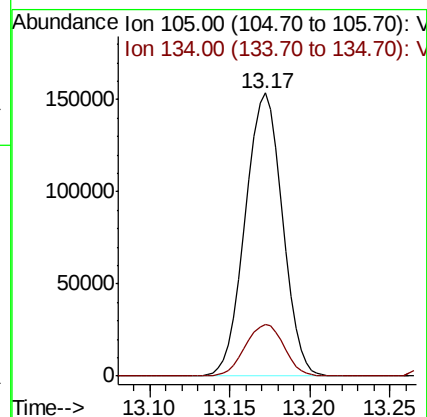
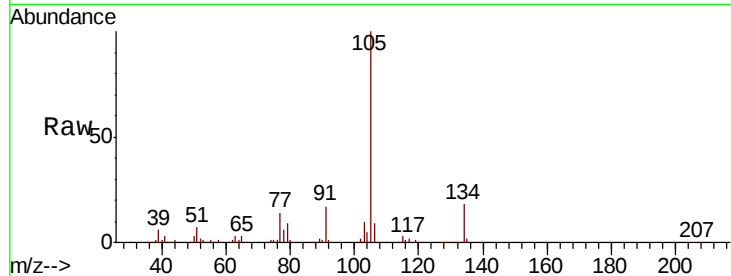
134 19.0 0.0 38.6

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#82

p-Isopropyltoluene

Concen: 18.993 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

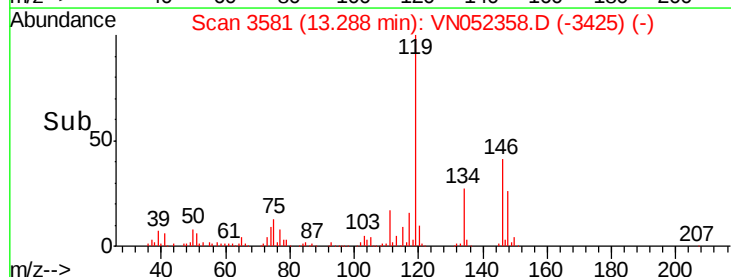
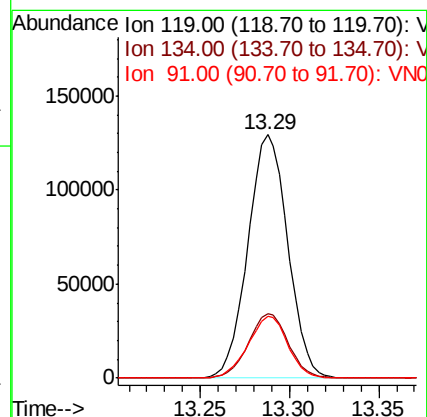
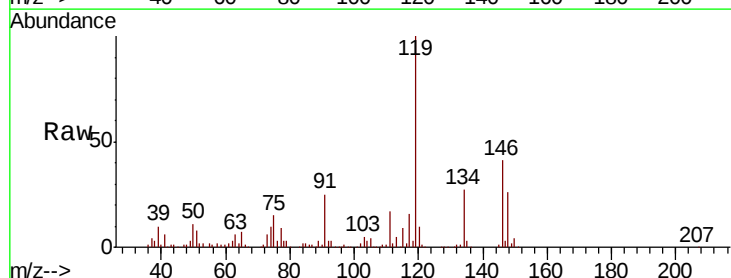
Tgt Ion:119 Resp: 201719

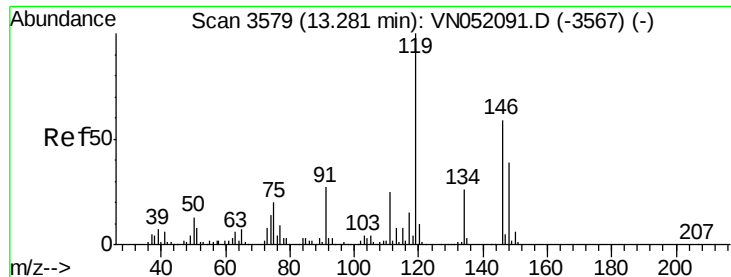
Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.0

91 25.5 0.0 50.8





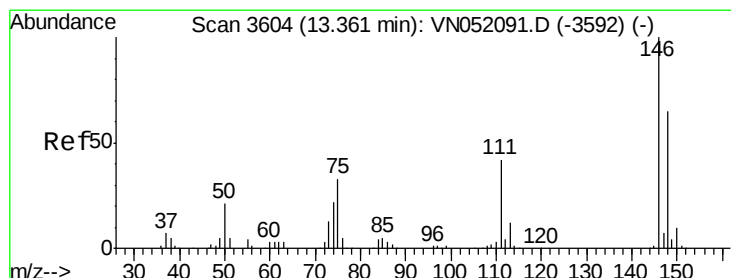
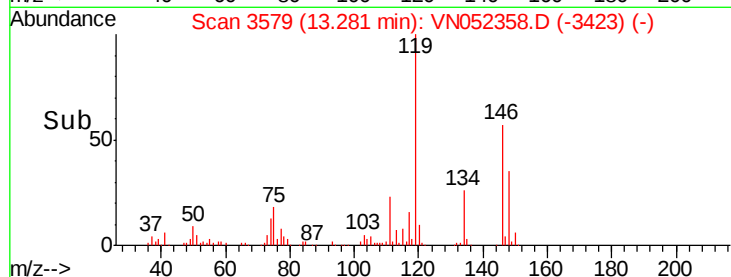
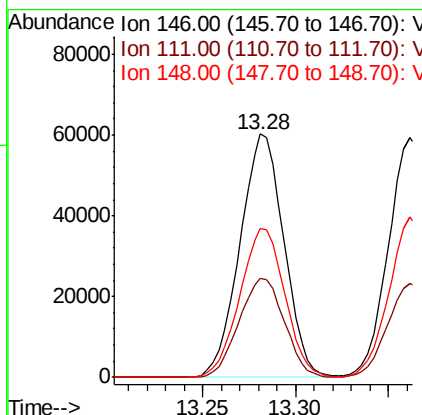
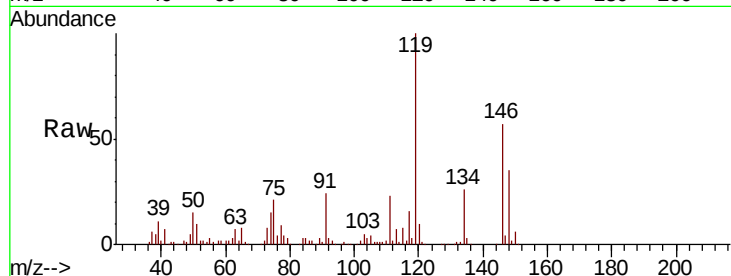
#83
 1,3-Dichlorobenzene
 Concen: 19.366 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.0	63.0
148	62.6	33.4	100.2

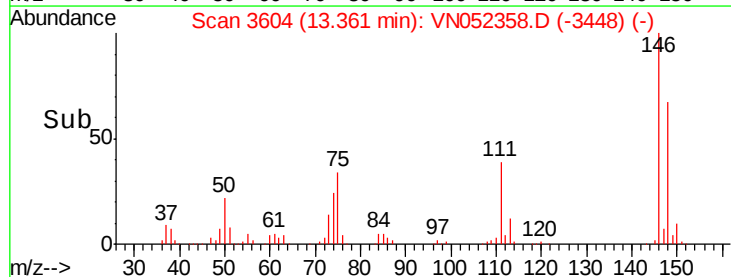
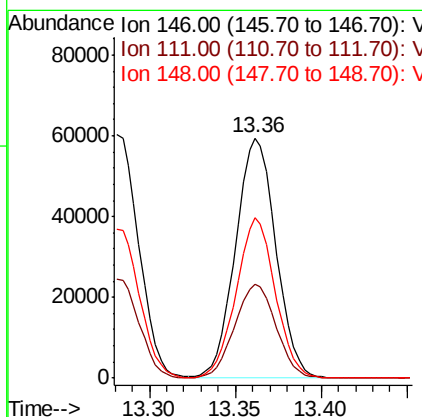
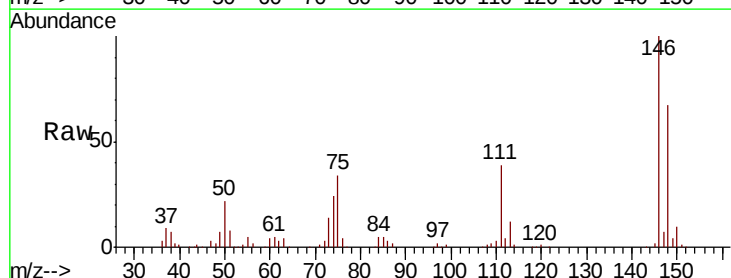
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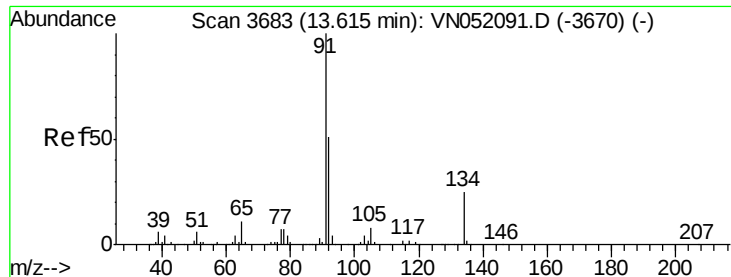
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#84
 1,4-Dichlorobenzene
 Concen: 19.075 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.4	64.2
148	64.5	32.6	98.0





#85

n-Butylbenzene

Concen: 18.573 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

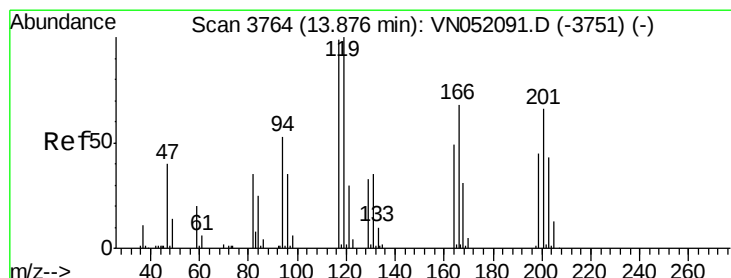
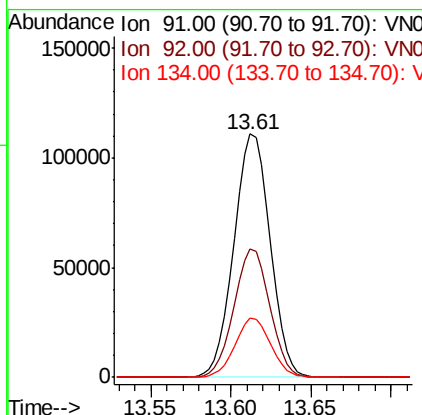
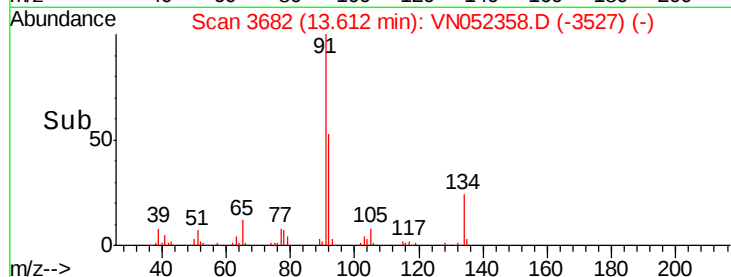
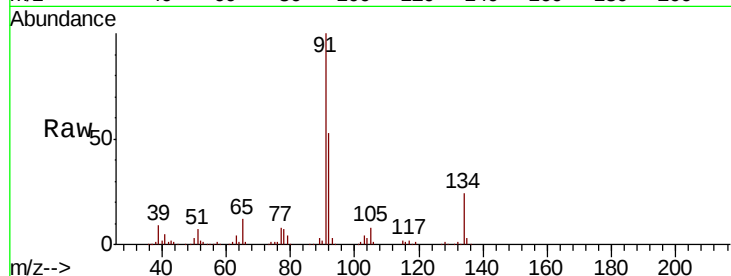
ClientSampleId :

VN1116WBSD01

Tot Ion:	91	Resp:	170732
Ion Ratio	Lower	Upper	
91	100		
92	52.2	0.0	102.8
134	23.8	0.0	49.2

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#86

Hexachloroethane

Concen: 19.766 ug/l

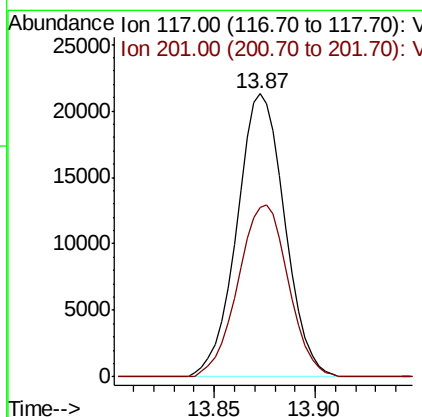
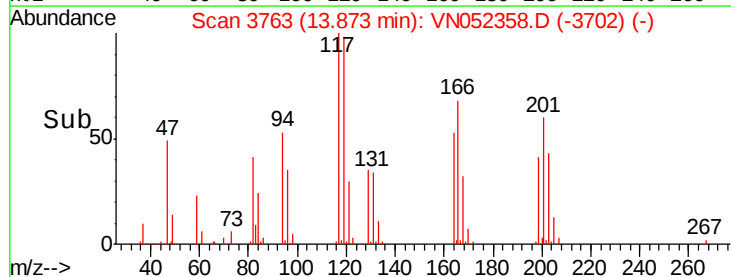
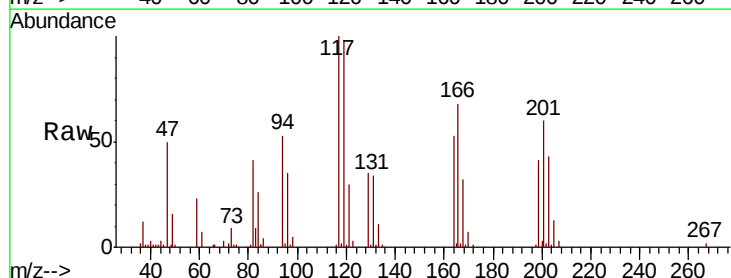
RT: 13.87 min Scan# 3763

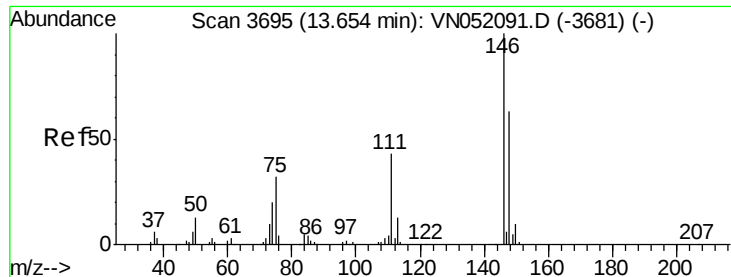
Delta R.T. -0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Tgt Ion:	117	Resp:	35427
Ion Ratio	Lower	Upper	
117	100		
201	63.7	32.2	96.6





#87

1,2-Dichlorobenzene

Concen: 19.868 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Instrument :

MSVOA_N

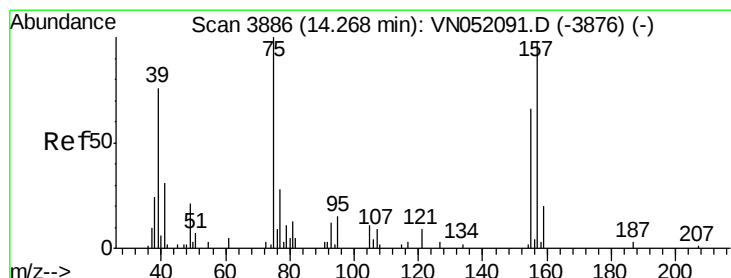
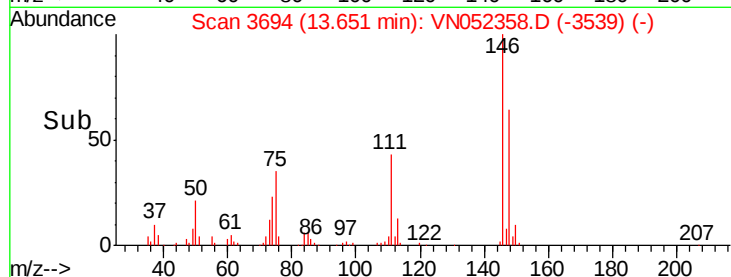
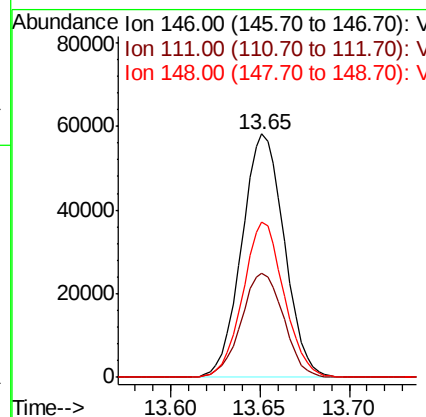
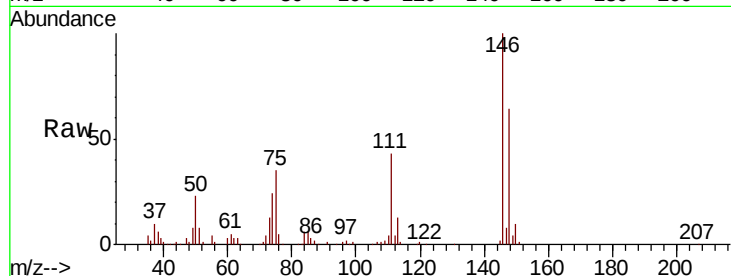
ClientSampled :

VN1116WBSD01

Tot Ion:	146	Resp:	96728
Ion Ratio	Lower	Upper	
146	100		
111	42.8	22.4	67.0
148	61.8	32.5	97.4

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#88

1,2-Dibromo-3-Chloropropane

Concen: 21.906 ug/l

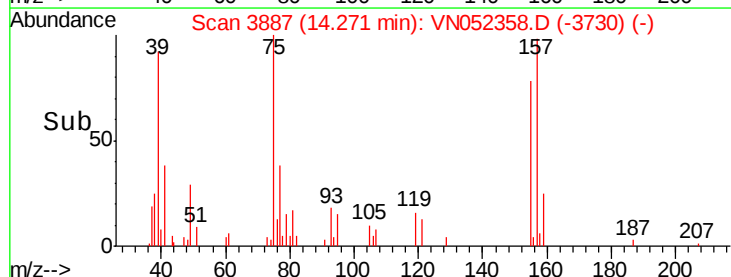
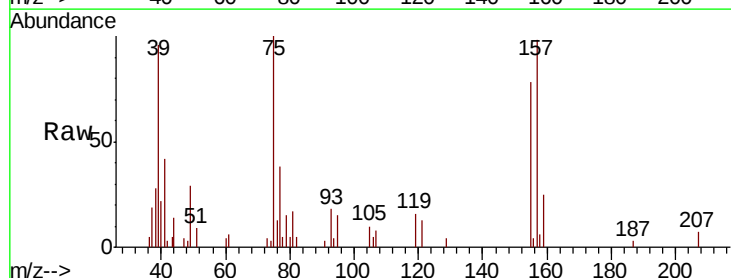
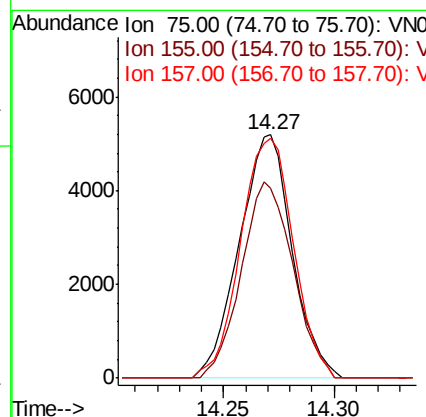
RT: 14.27 min Scan# 3887

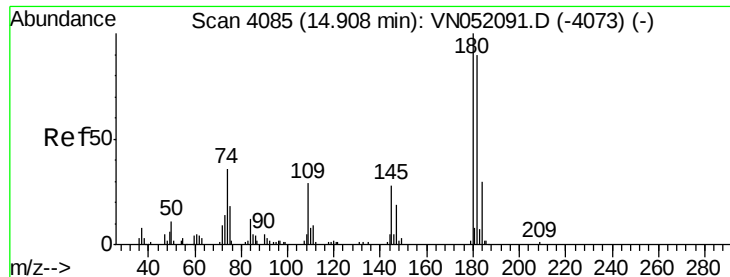
Delta R.T. 0.00 min

Lab File: VN052358.D

Acq: 16 Nov 2018 12:20

Tgt Ion:	75	Resp:	8614
Ion Ratio	Lower	Upper	
75	100		
155	78.6	56.7	85.1
157	98.8	80.4	120.6





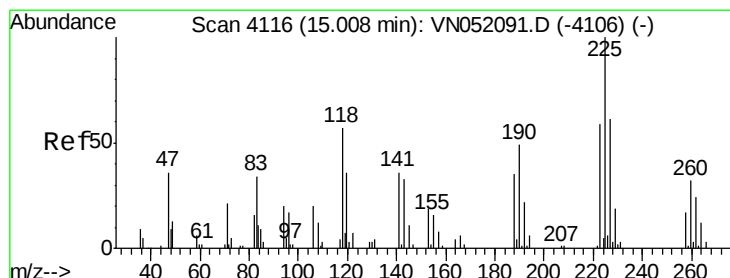
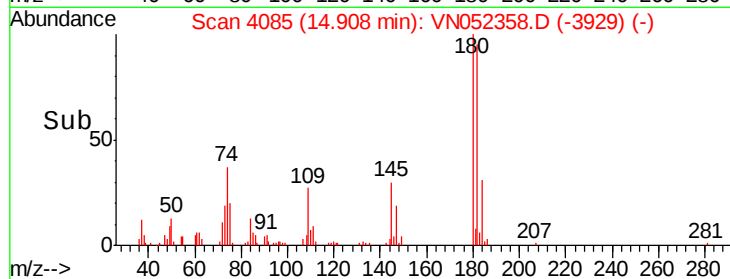
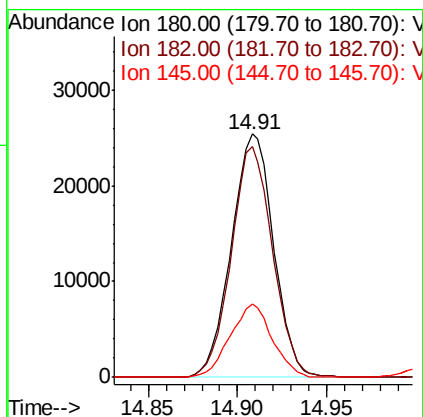
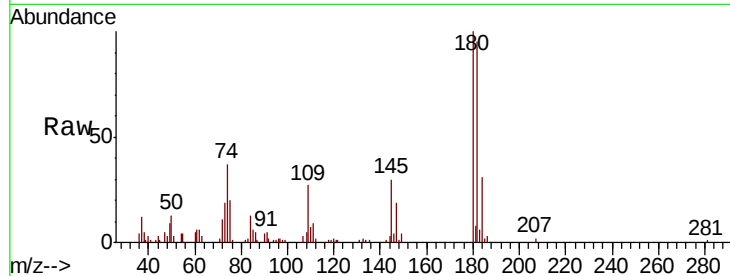
#89
 1,2,4-Trichlorobenzene
 Concen: 21.207 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	74.0	111.0
145	29.9	24.6	36.8

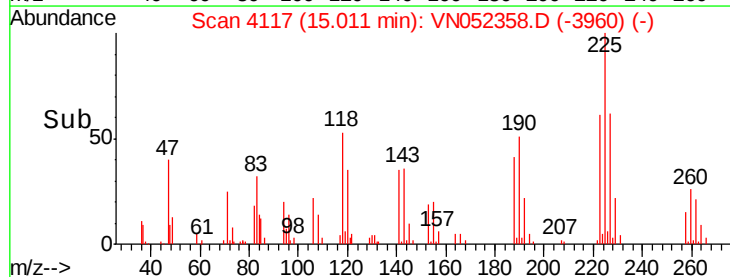
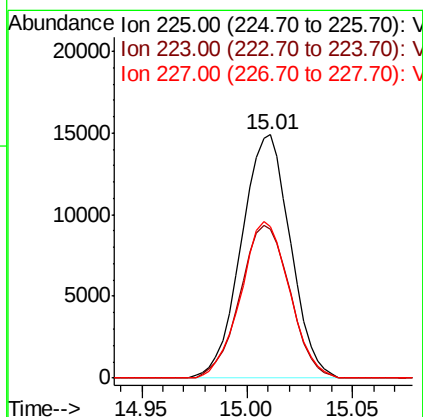
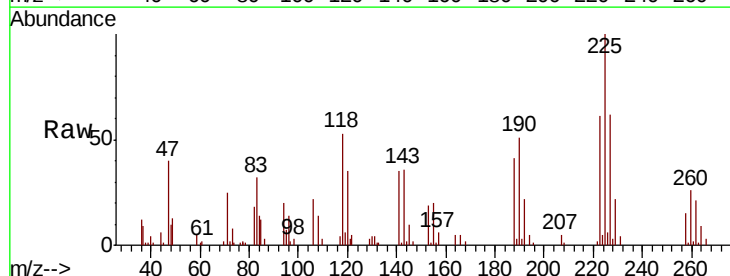
Manual Integrations
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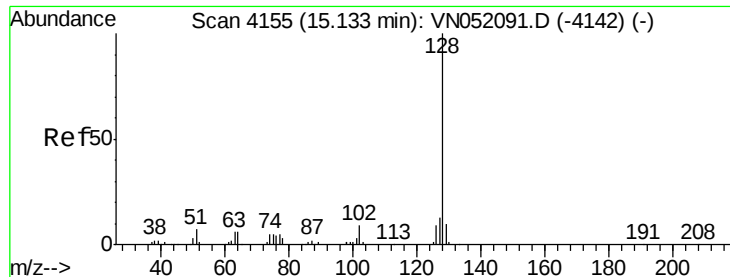
MMDadoda
 11/19/2018 12:46:01 PM



#90
 Hexachlorobutadiene
 Concen: 22.259 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052358.D
 Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	121.2
227	63.9	0.0	127.2





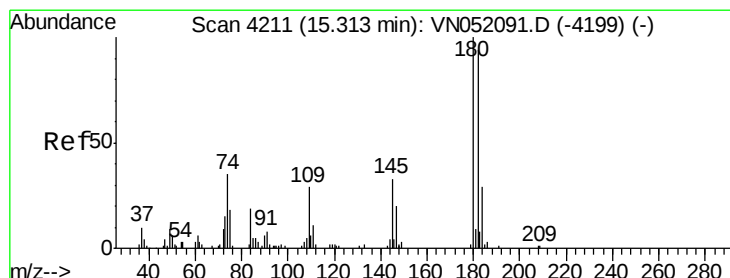
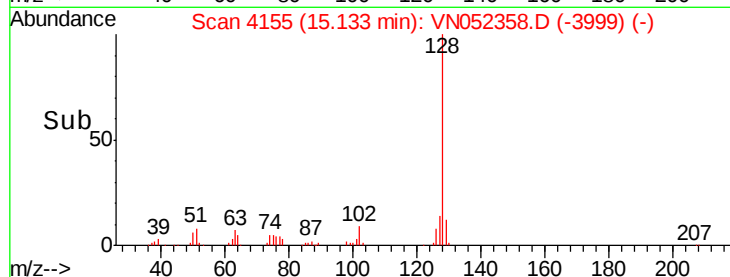
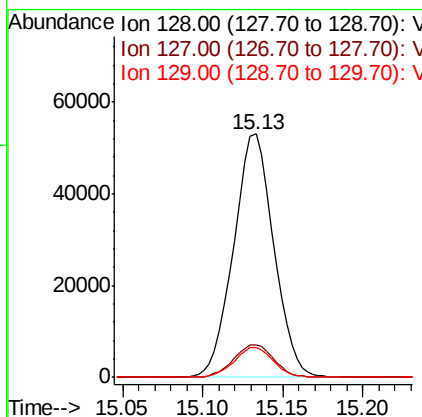
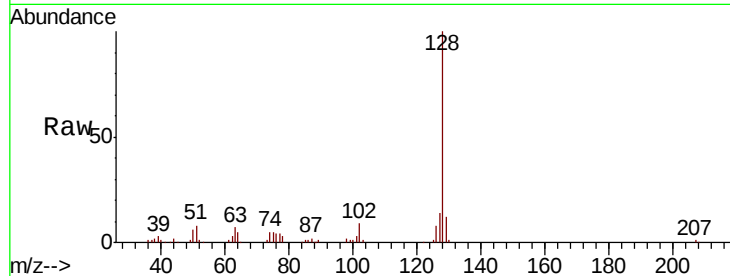
#91
Naphthalene
Concen: 19.906 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	12.0	8.3	12.5

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#92
1,2,3-Trichlorobenzene
Concen: 22.149 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052358.D
Acq: 16 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	0.0	186.6
145	34.3	0.0	66.6

