

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053883.D
 Acq On : 21 Feb 2019 11:01
 Operator : JC/SP
 Sample : VN0221WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 10:30:13 AM

Quant Time: Feb 22 01:02:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	651010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	969494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	843976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	389141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	327218	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	7.59	113	308756	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	10.09	98	1151787	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	373602	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	106506	18.830	ug/l	98
3) Chloromethane	2.06	50	141128	20.071	ug/l	98
4) Vinyl Chloride	2.19	62	148271	19.644	ug/l	99
5) Bromomethane	2.57	94	111058	20.092	ug/l	99
6) Chloroethane	2.71	64	99099	20.314	ug/l	99
7) Trichlorofluoromethane	3.02	101	209643	19.559	ug/l	100
8) Diethyl Ether	3.41	74	68944	18.298	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	116644	18.057	ug/l	99
10) Methyl Iodide	3.96	142	176459	18.421	ug/l	100
11) Tert butyl alcohol	4.78	59	39358	94.762	ug/l	99
12) 1,1-Dichloroethene	3.74	96	112115	18.558	ug/l	98
13) Acrolein	3.61	56	43017	144.907	ug/l	99
14) Allyl chloride	4.33	41	173521	18.978	ug/l	99
15) Acrylonitrile	4.99	53	211071	100.878	ug/l	100
16) Acetone	3.82	43	162358	88.731	ug/l	98
17) Carbon Disulfide	4.06	76	344619	18.418	ug/l	99
18) Methyl Acetate	4.33	43	81840	18.951	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	300349	19.595	ug/l	99
20) Methylene Chloride	4.55	84	127960	18.679	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	121571	19.173	ug/l	96
22) Diisopropyl ether	5.95	45	347041	20.361	ug/l	95
23) Vinyl Acetate	5.90	43	1212830	98.982	ug/l	99
24) 1,1-Dichloroethane	5.85	63	220813	19.135	ug/l	99
25) 2-Butanone	6.84	43	225287	95.416	ug/l	96
26) 2,2-Dichloropropane	6.83	77	166065	18.964	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	138955	19.563	ug/l	99
28) Bromochloromethane	7.20	49	100806	20.015	ug/l	97
29) Tetrahydrofuran	7.21	42	151715	99.357	ug/l	99
30) Chloroform	7.37	83	222569	19.195	ug/l	97
31) Cyclohexane	7.66	56	203985	18.970	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	188223	18.972	ug/l	99
36) 1,1-Dichloropropene	7.79	75	165448	18.618	ug/l	100
37) Ethyl Acetate	6.93	43	105254	19.810	ug/l	99
38) Carbon Tetrachloride	7.77	117	171232	19.299	ug/l	100

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Quant Time: Feb 22 01:02:16 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196767	19.216	ug/l	98
40) Benzene	8.04	78	511036	19.452	ug/l	99
41) Methacrylonitrile	7.17	41	49410	16.780	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	149811	19.128	ug/l	100
43) Isopropyl Acetate	8.16	43	179168	18.902	ug/l #	89
44) Trichloroethene	8.84	130	143908	19.568	ug/l	98
45) 1,2-Dichloropropane	9.12	63	132461	19.749	ug/l	98
46) Dibromomethane	9.21	93	80716	19.987	ug/l	99
47) Bromodichloromethane	9.40	83	167531	19.664	ug/l	99
48) Methyl methacrylate	9.20	41	80295	19.757	ug/l	96
49) 1,4-Dioxane	9.20	88	26170	410.983	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	470327	100.576	ug/l	100
52) Toluene	10.16	92	312202	20.054	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	160521	19.404	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	192803	19.773	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	115448	20.285	ug/l	98
56) Ethyl methacrylate	10.43	69	129870	19.334	ug/l	99
57) 1,3-Dichloropropane	10.71	76	191561	19.991	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	282971	94.579	ug/l	99
59) 2-Hexanone	10.75	43	288382	96.971	ug/l	99
60) Dibromochloromethane	10.90	129	131527	19.799	ug/l	99
61) 1,2-Dibromoethane	11.01	107	111579	19.734	ug/l	98
64) Tetrachloroethene	10.63	164	141684	18.774	ug/l	95
65) Chlorobenzene	11.43	112	341344	19.323	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	129261	20.051	ug/l	98
67) Ethyl Benzene	11.51	91	566646	19.820	ug/l	100
68) m/p-Xylenes	11.62	106	441285	39.864	ug/l	99
69) o-Xylene	11.95	106	215754	20.245	ug/l	99
70) Styrene	11.96	104	338672	20.251	ug/l	99
71) Bromoform	12.13	173	90081	19.690	ug/l #	99
73) Isopropylbenzene	12.25	105	558640	20.378	ug/l	100
74) N-amyl acetate	12.07	43	126602	20.110	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	134214	20.708	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	109043m	19.088	ug/l	
77) Bromobenzene	12.53	156	149963	20.392	ug/l	98
78) n-propylbenzene	12.59	91	637497	20.795	ug/l	100
79) 2-Chlorotoluene	12.67	91	379030	20.505	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	477396	20.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	33412	19.309	ug/l	99
82) 4-Chlorotoluene	12.77	91	375526	20.392	ug/l	99
83) tert-Butylbenzene	12.99	119	429180	21.004	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	483524	21.186	ug/l	100
85) sec-Butylbenzene	13.17	105	567834	20.640	ug/l	100
86) p-Isopropyltoluene	13.29	119	497704	20.845	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	255074	19.876	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	248077	19.213	ug/l	99
89) n-Butylbenzene	13.62	91	404257	20.589	ug/l	100
90) Hexachloroethane	13.87	117	91106	19.973	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	258471	20.529	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21620	22.859	ug/l	97

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Feb 21 03:36:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	134905	19.579	ug/l	99
94) Hexachlorobutadiene	15.01	225	104006	19.808	ug/l	99
95) Naphthalene	15.13	128	262806	20.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	138038	20.661	ug/l	99

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

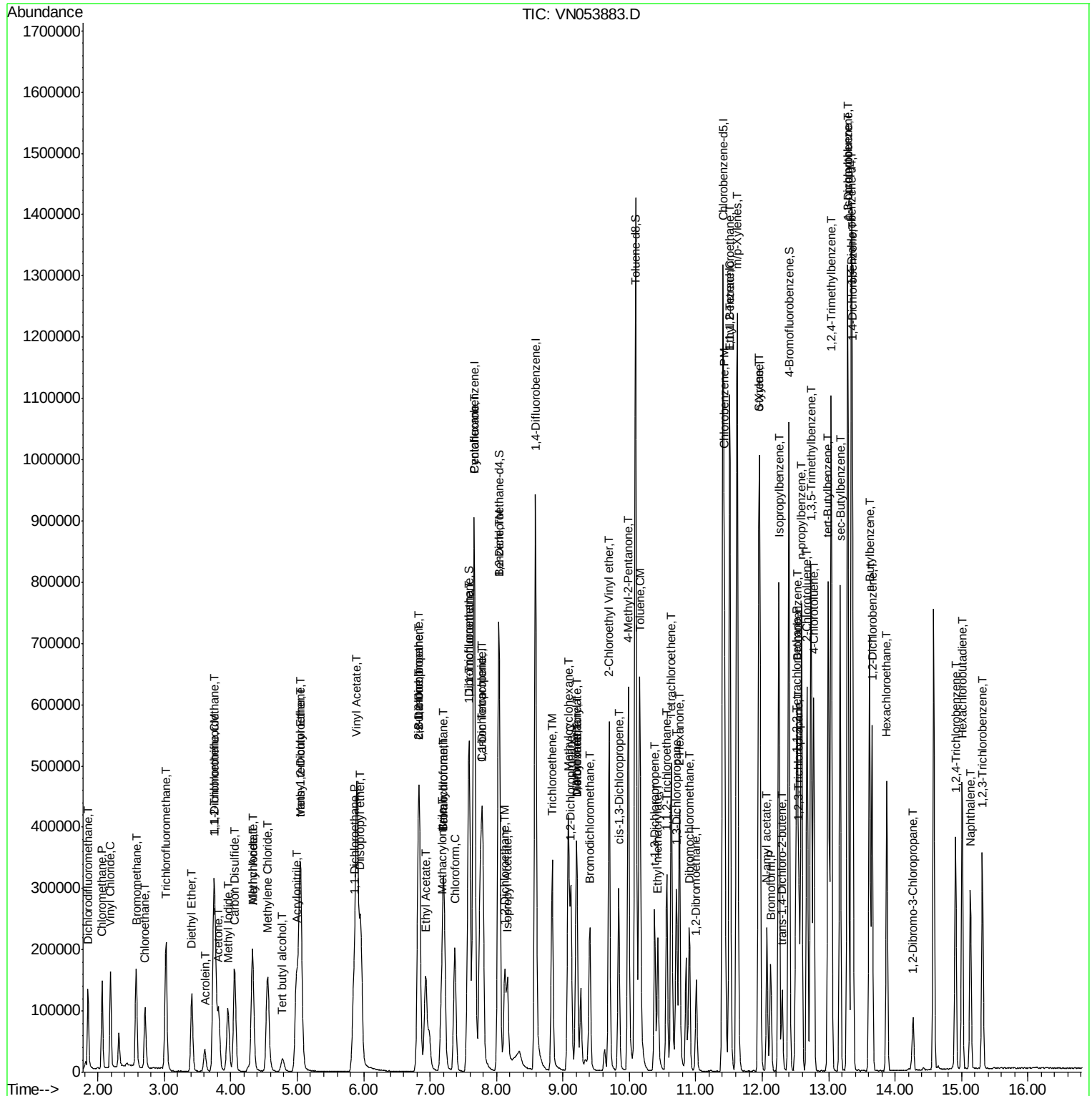
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Data File : VN053883.D
Acq On : 21 Feb 2019 11:01
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Sample : VN0221WBSD01
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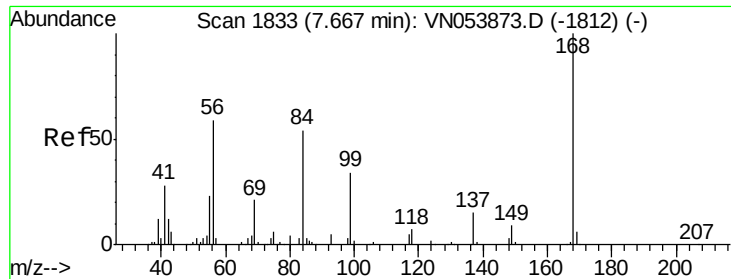
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

Tot Ion:168 Resp: 651010

Ion Ratio Lower Upper

168 100

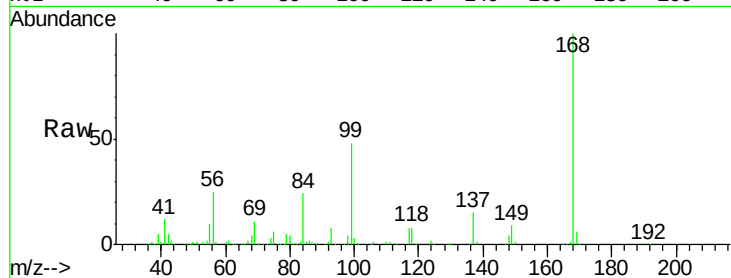
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Manual Integrations

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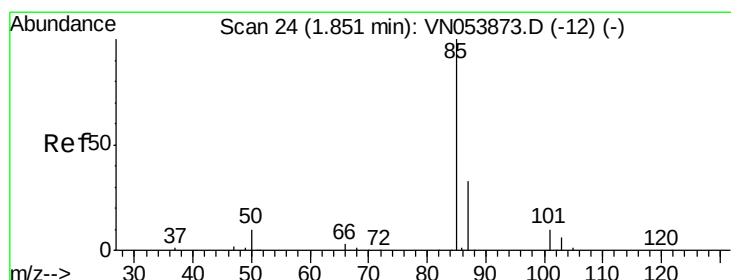
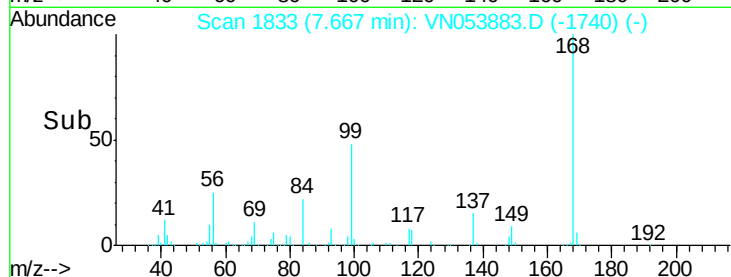
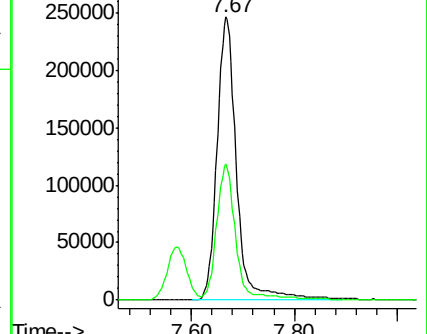
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2/22/2019 10:30:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.830 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053883.D

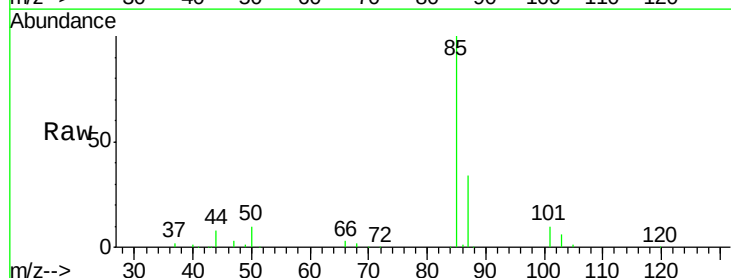
Acq: 21 Feb 2019 11:01

Tgt Ion: 85 Resp: 106506

Ion Ratio Lower Upper

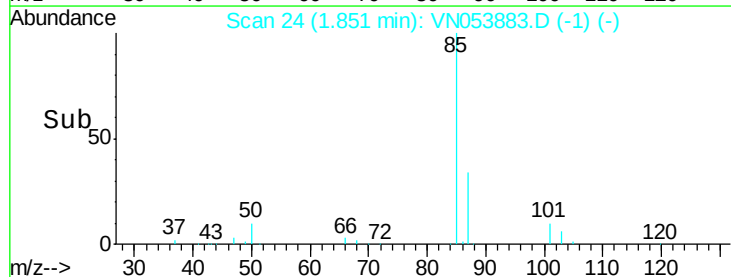
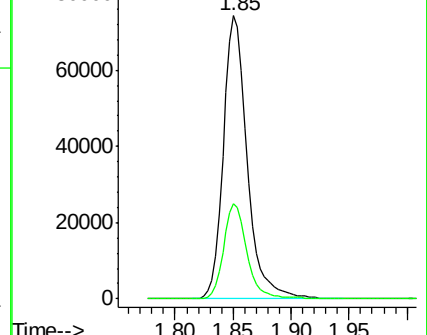
85 100

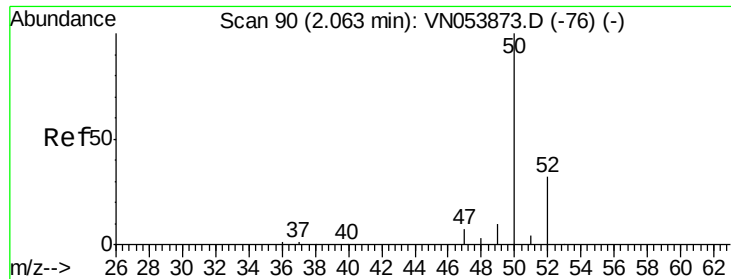
87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.071 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

Tot Ion: 50 Resp: 141128

Ion Ratio Lower Upper

50 100

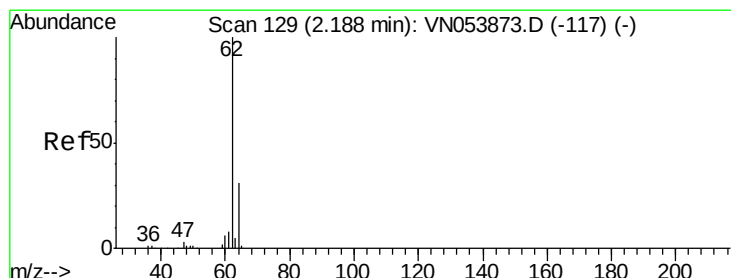
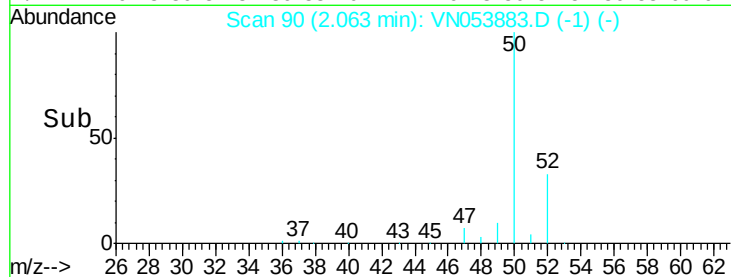
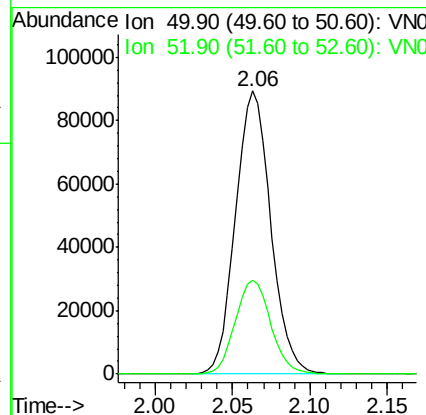
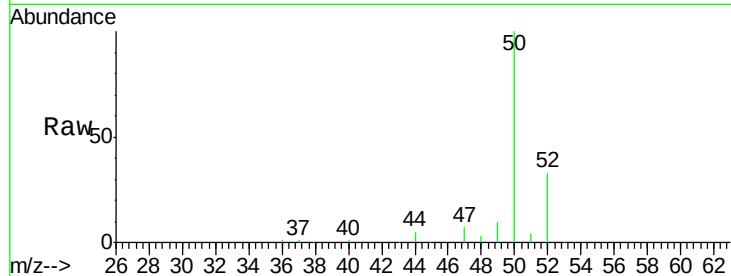
52 33.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.644 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053883.D

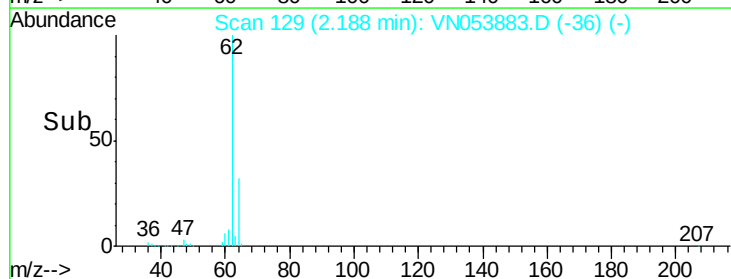
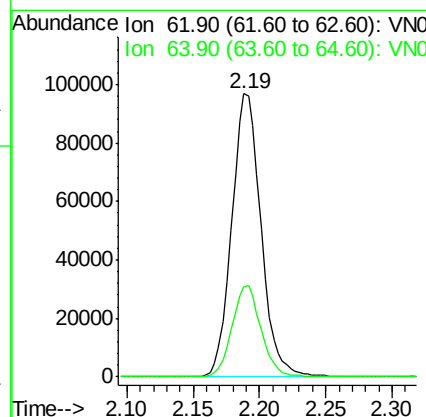
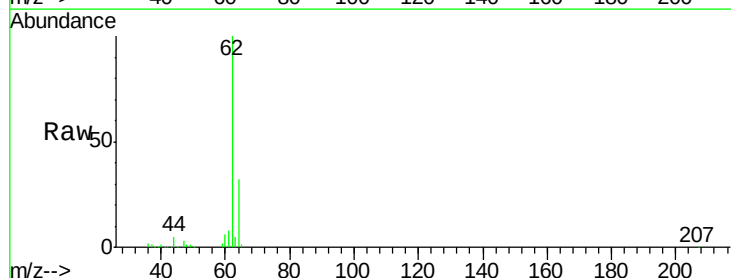
Acq: 21 Feb 2019 11:01

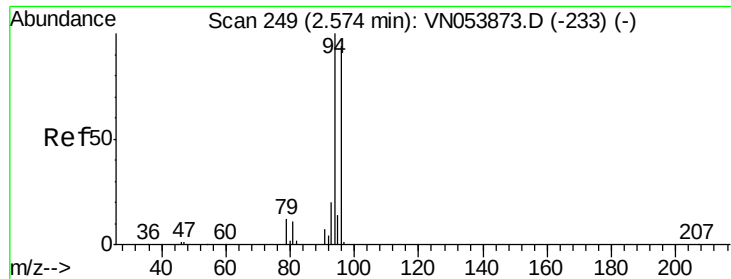
Tgt Ion: 62 Resp: 148271

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 20.092 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

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Tot Ion: 94 Resp: 111058

Ion Ratio Lower Upper

94 100

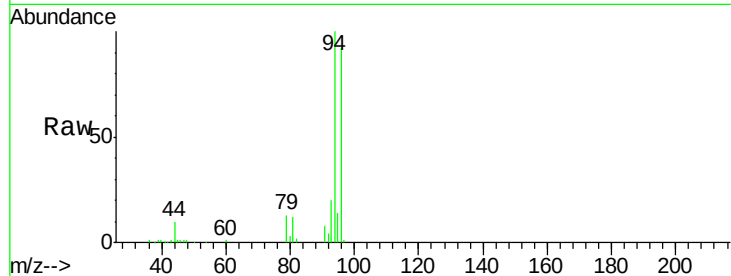
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Manual Integrations

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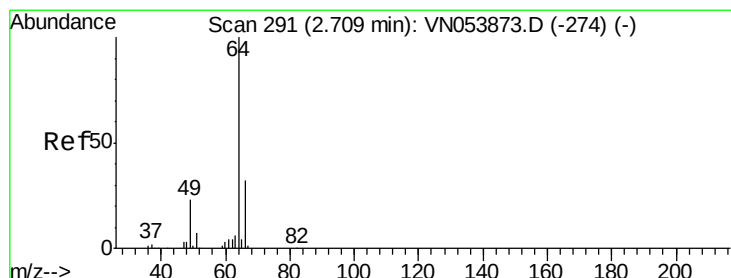
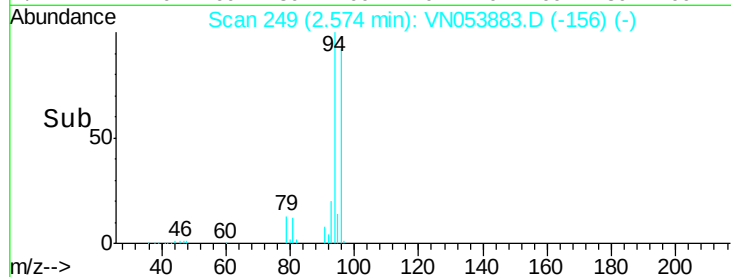
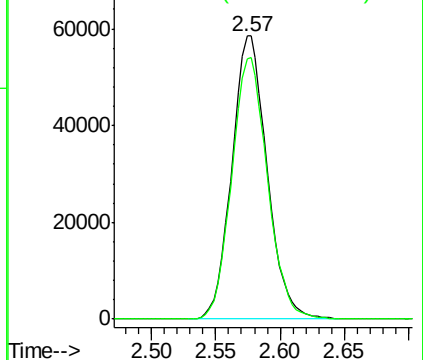
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.314 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053883.D

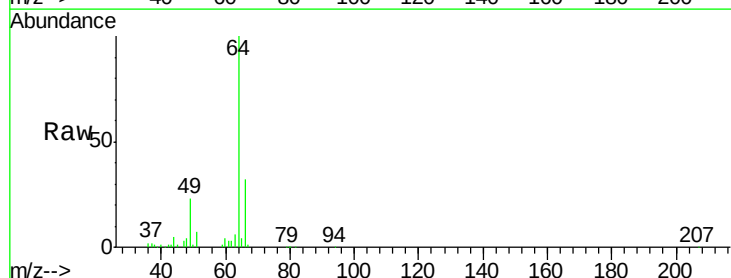
Acq: 21 Feb 2019 11:01

Tgt Ion: 64 Resp: 99099

Ion Ratio Lower Upper

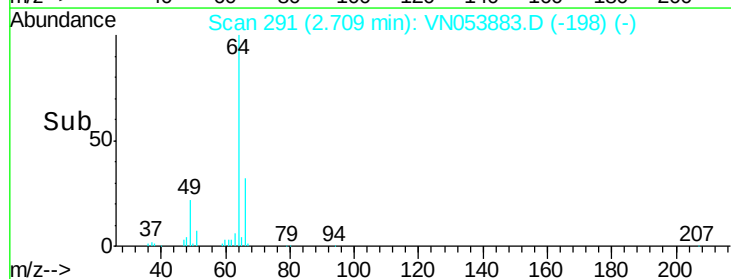
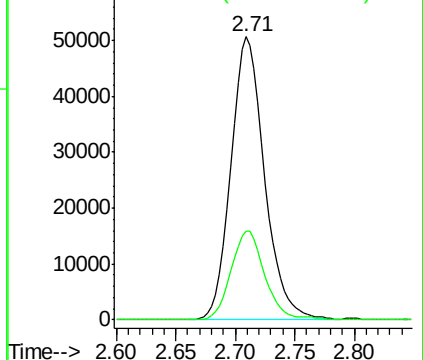
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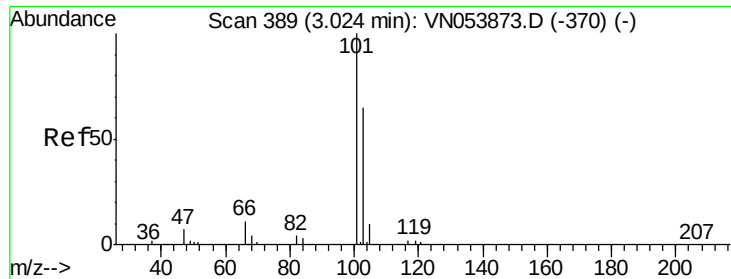
66 31.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

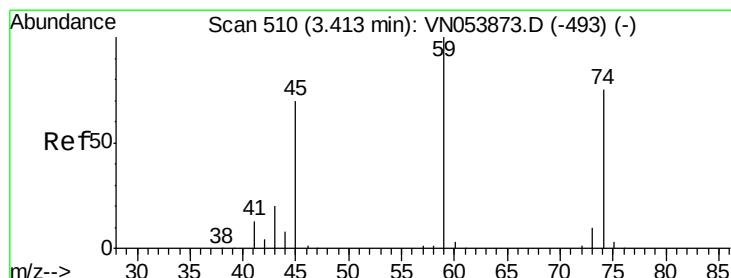
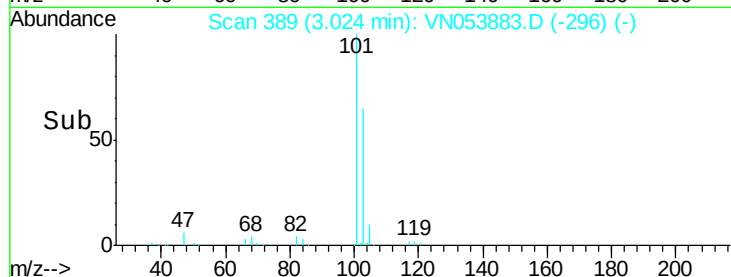
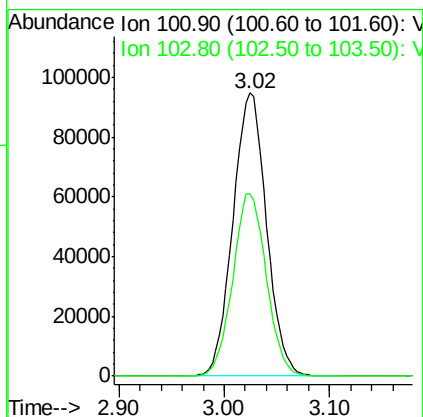
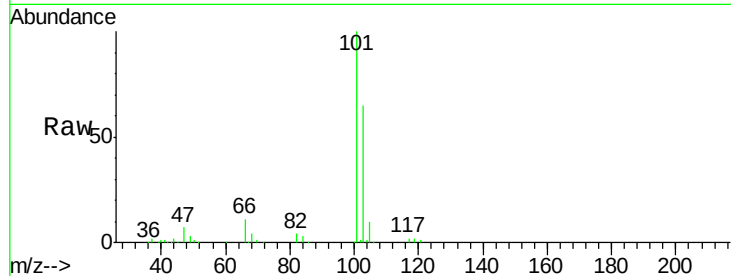
Trichlorofluoromethane
Concen: 19.559 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.9	77.9

Manual Integrations
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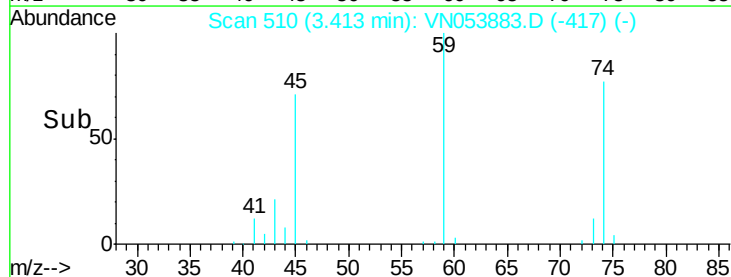
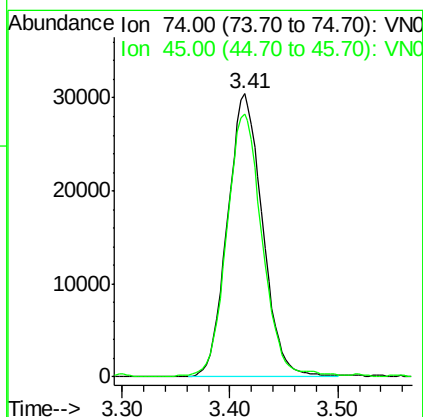
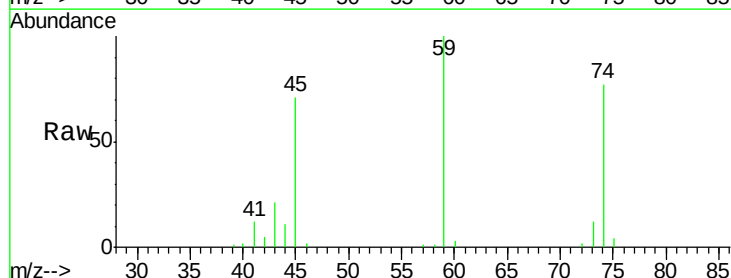
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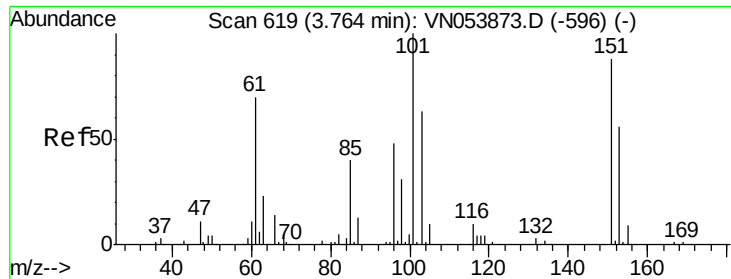


#8

Diethyl Ether
Concen: 18.298 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	46.9	140.6





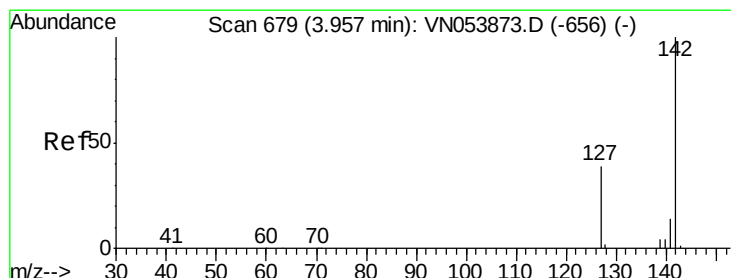
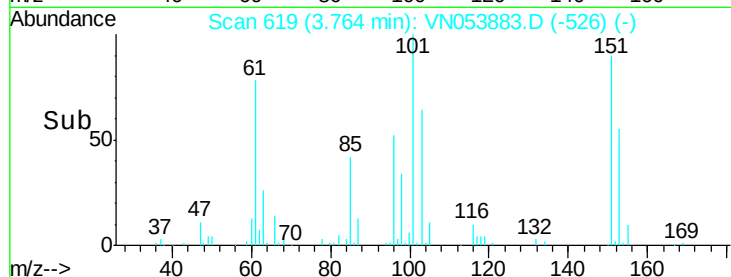
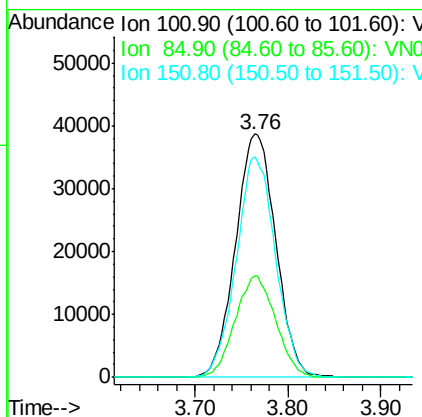
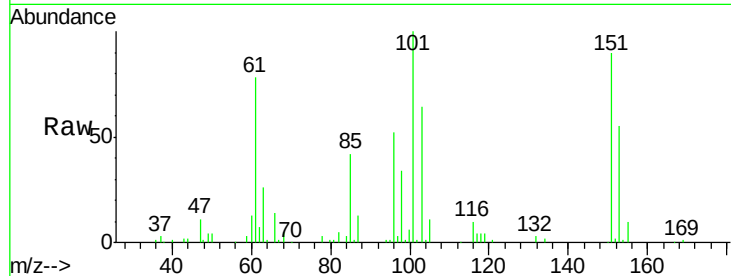
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.057 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0221WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	116644		
85	41.8	32.5	48.7	
151	88.6	70.2	105.2	

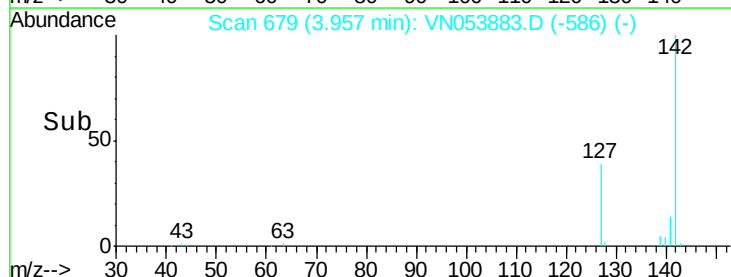
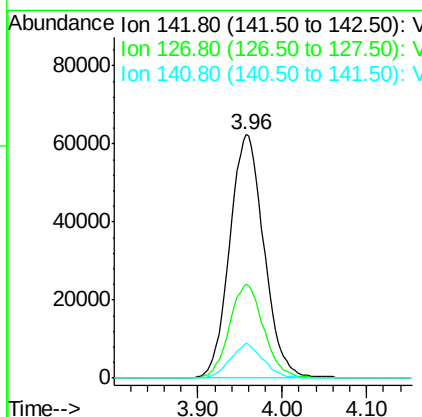
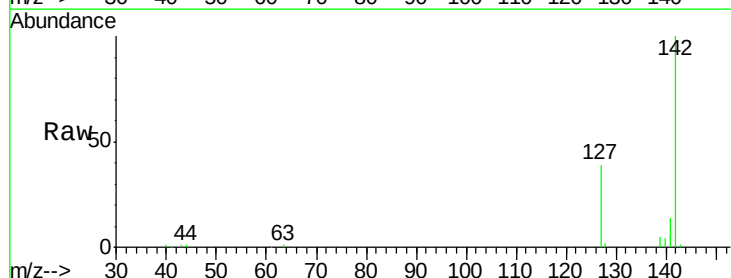
Manual Integrations
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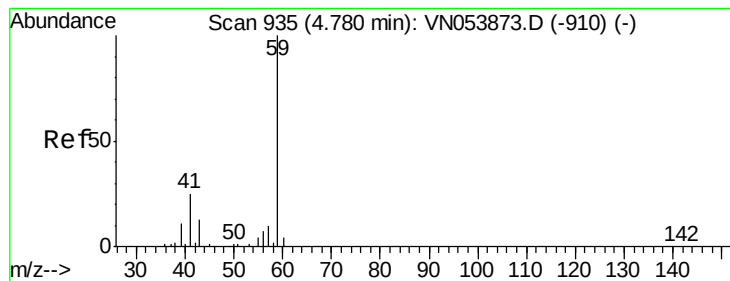
MMDadoda
 2/22/2019 10:30:13 AM



#10
 Methyl Iodide
 Concen: 18.421 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	176459		
127	38.6	31.0	46.4	
141	13.6	11.3	16.9	





#11

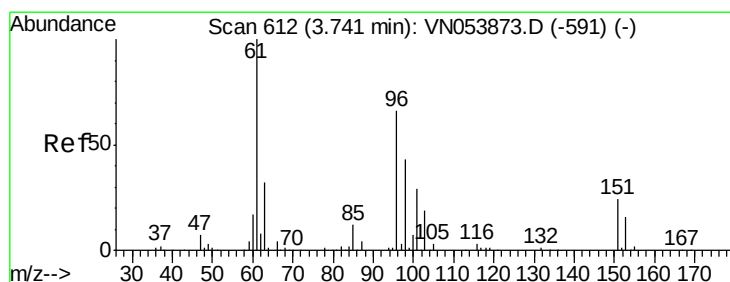
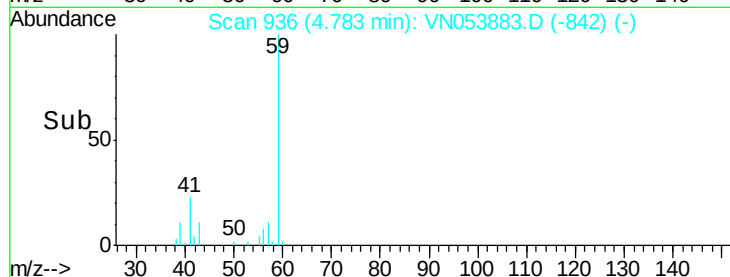
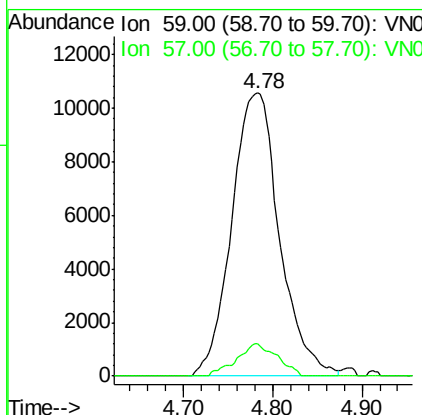
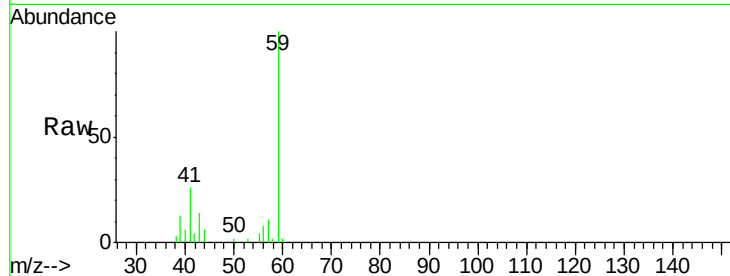
Tert butyl alcohol
 Concen: 94.762 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.1	12.1

Manual Integrations
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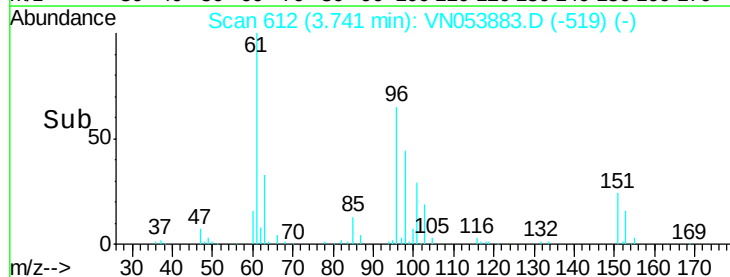
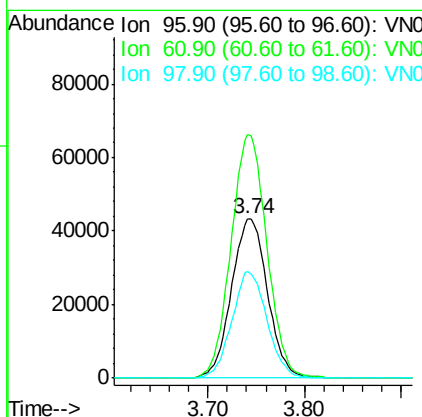
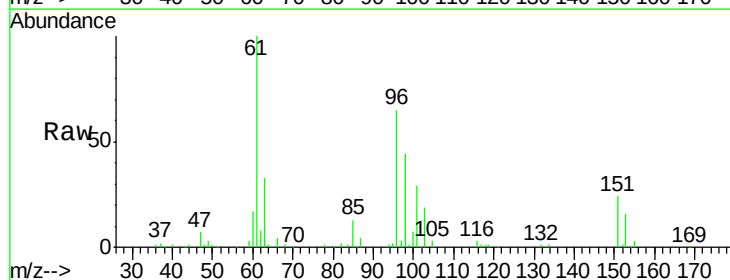
MMDadoda
 2/22/2019 10:30:13 AM

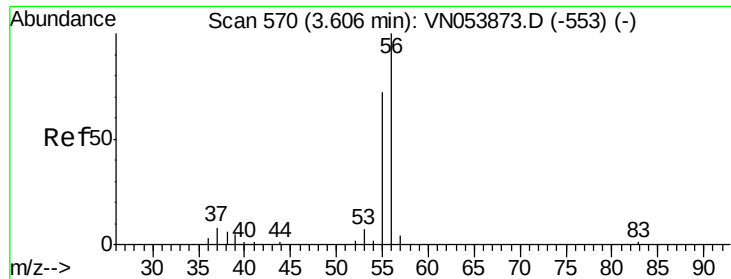


#12

1,1-Dichloroethene
 Concen: 18.558 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.9	121.0	181.4
98	66.9	52.2	78.2





#13

Acrolein

Concen: 144.907 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

Tot Ion: 56 Resp: 43017

Ion Ratio Lower Upper

56 100

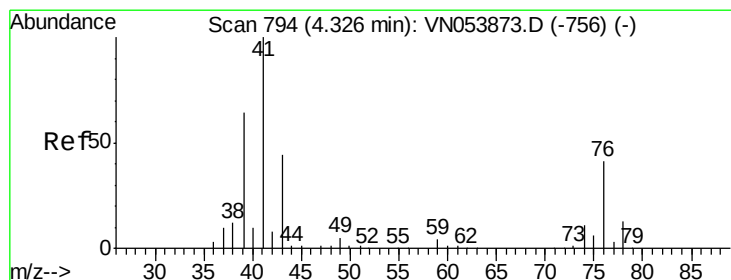
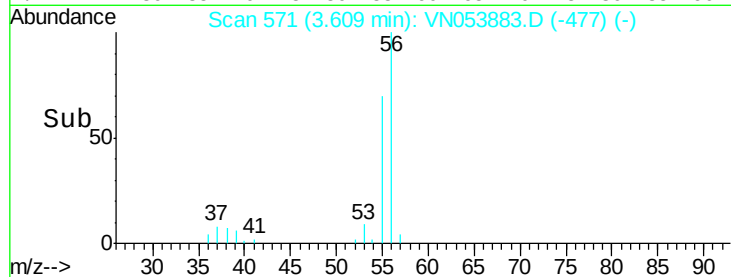
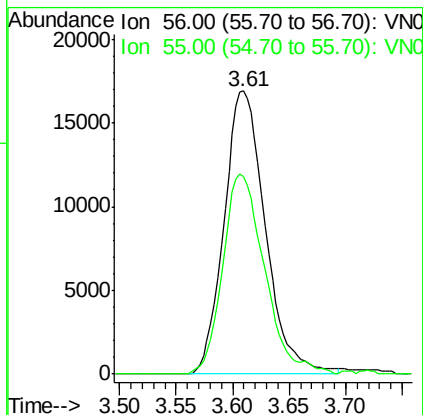
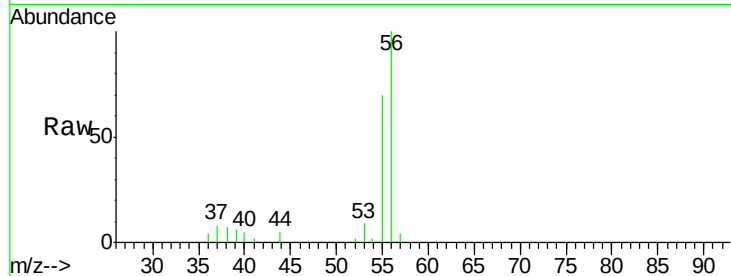
55 71.5 56.3 84.5

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#14

Allyl chloride

Concen: 18.978 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

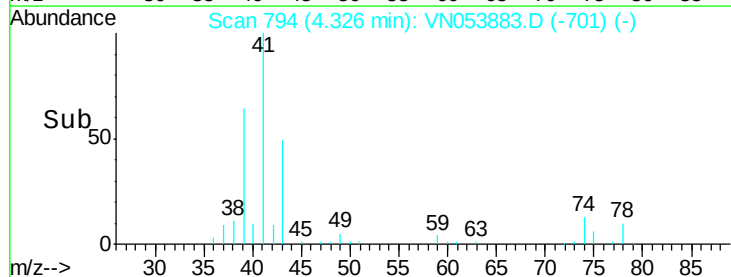
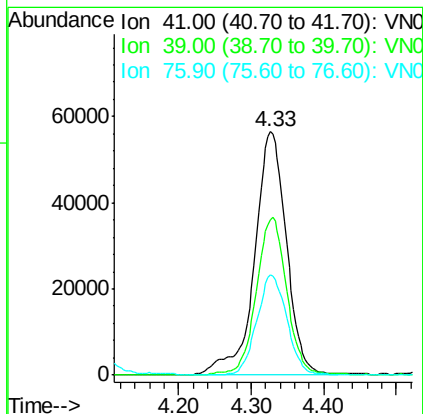
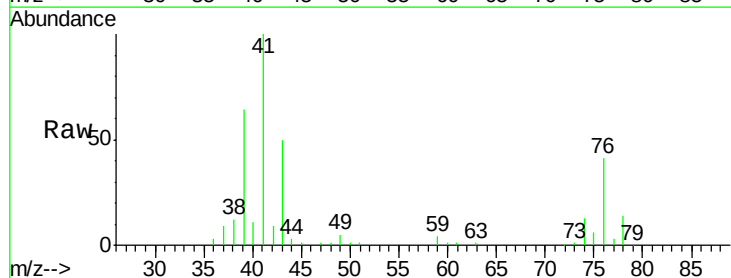
Tgt Ion: 41 Resp: 173521

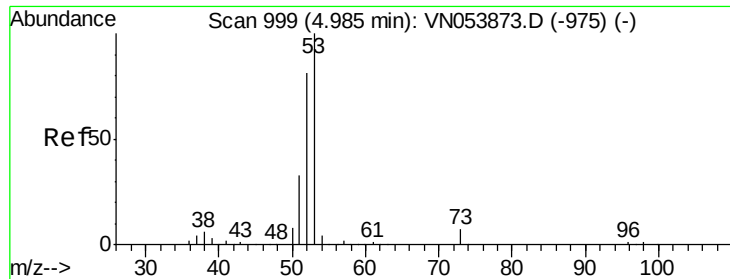
Ion Ratio Lower Upper

41 100

39 61.6 48.8 73.2

76 38.0 30.9 46.3





#15

Acrylonitrile

Concen: 100.878 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

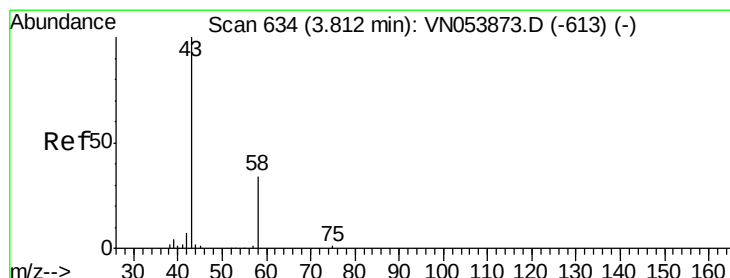
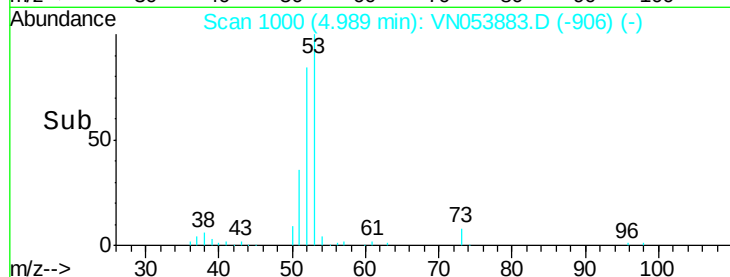
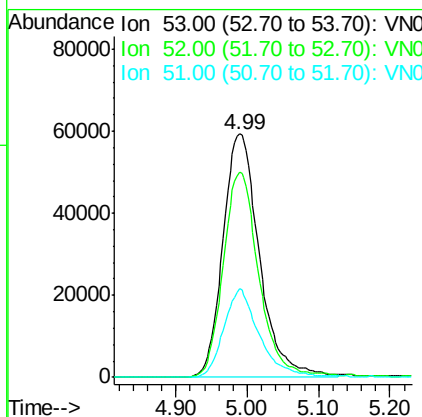
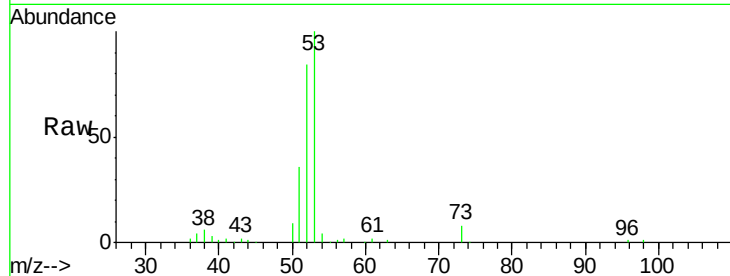
ClientSampleId :

VN0221WBSD01

Tot Ion:	53	Resp:	211071
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.1	97.7
51	35.4	28.2	42.4

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#16

Acetone

Concen: 88.731 ug/l

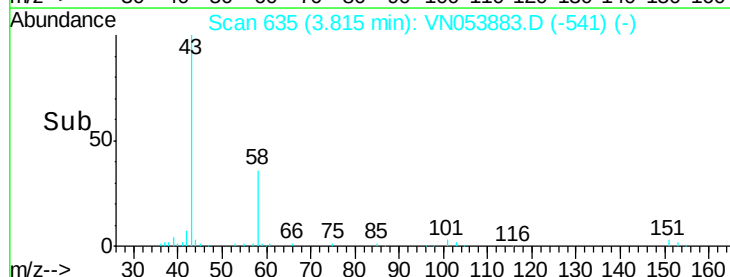
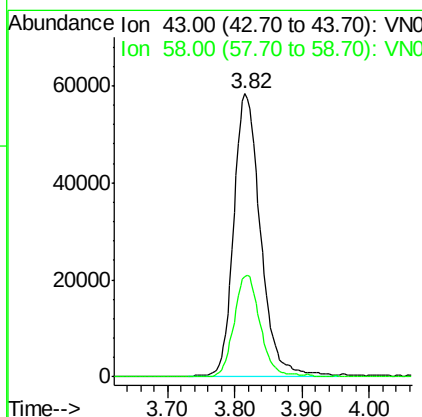
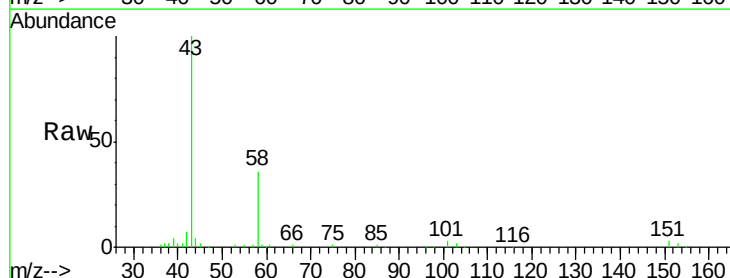
RT: 3.82 min Scan# 635

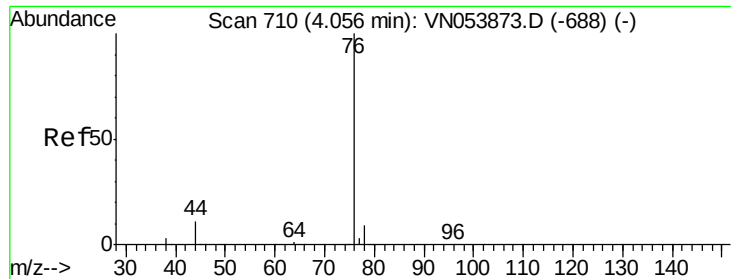
Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Tgt Ion:	43	Resp:	162358
Ion	Ratio	Lower	Upper
43	100		
58	35.6	27.6	41.4





#17

Carbon Disulfide

Concen: 18.418 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

Tot Ion: 76 Resp: 344619

Ion Ratio Lower Upper

76 100

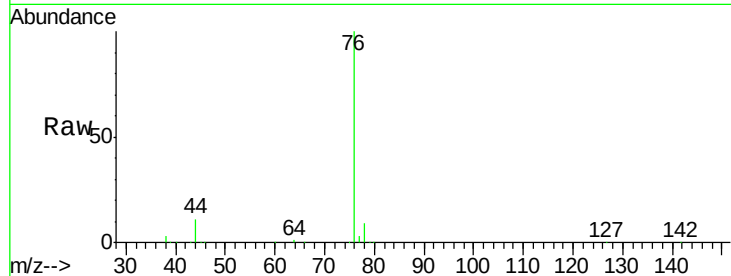
78 9.0 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

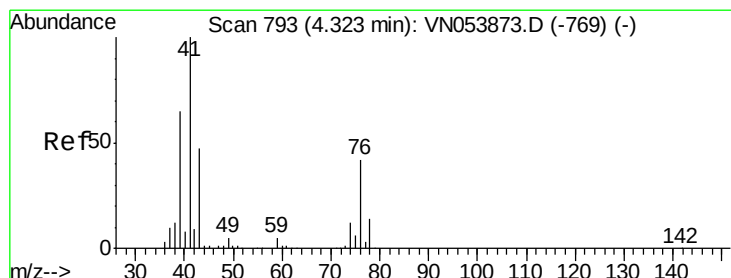
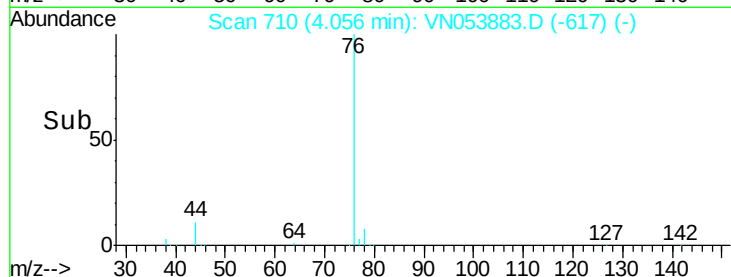
4.06

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.951 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053883.D

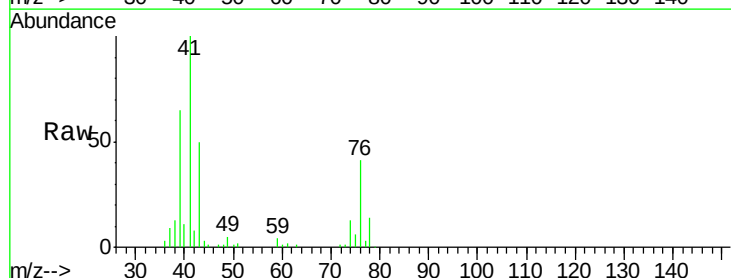
Acq: 21 Feb 2019 11:01

Tgt Ion: 43 Resp: 81840

Ion Ratio Lower Upper

43 100

74 26.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

30000

25000

20000

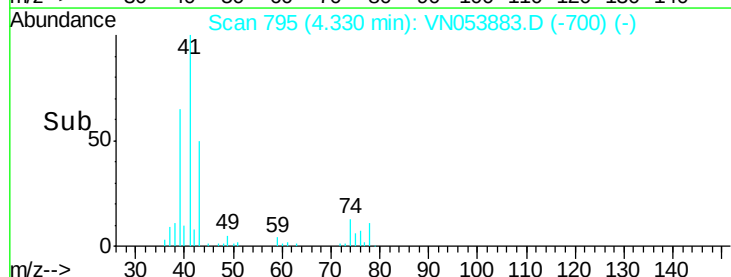
15000

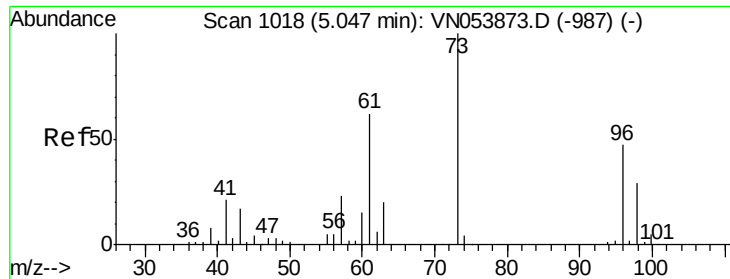
10000

5000

0

Time-->





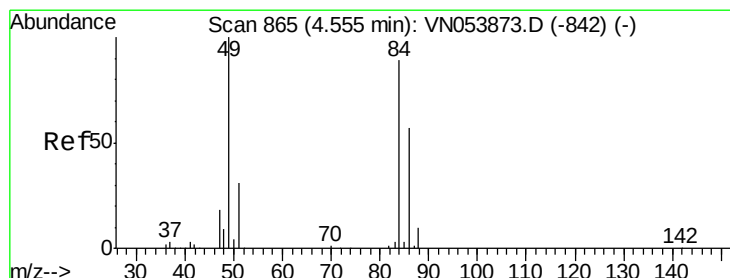
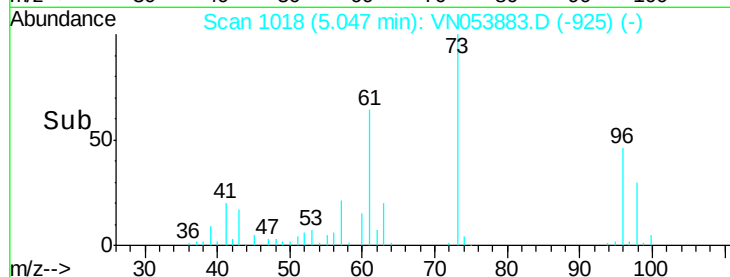
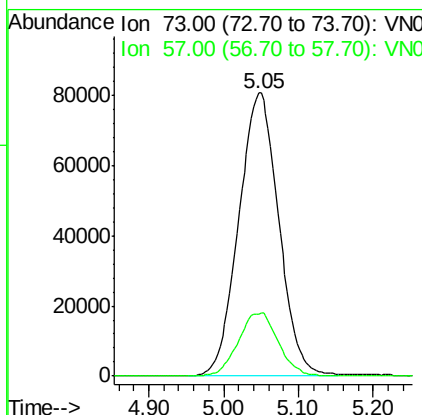
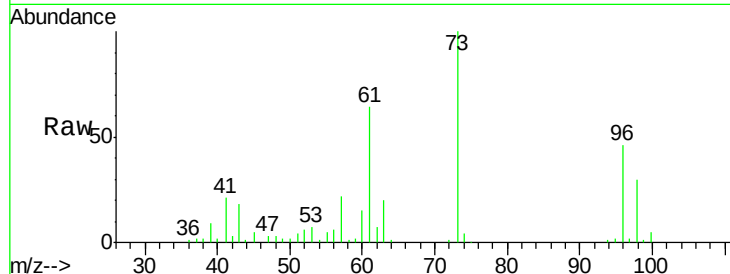
#19
Methvl tert-butyl Ether
Concen: 19.595 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.0	27.0

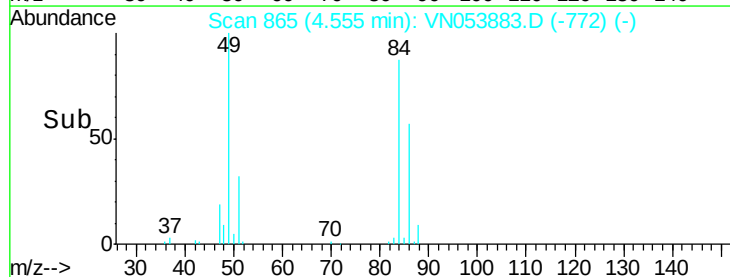
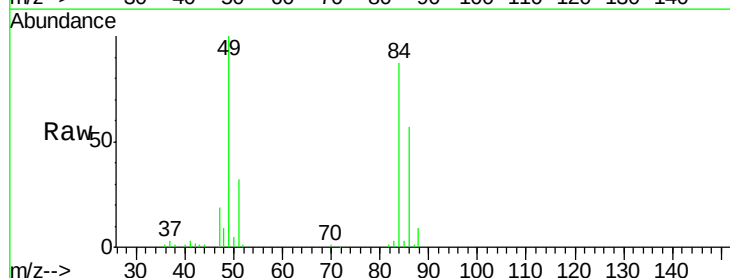
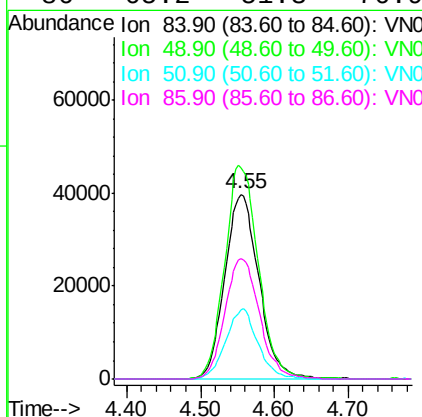
Manual Integrations
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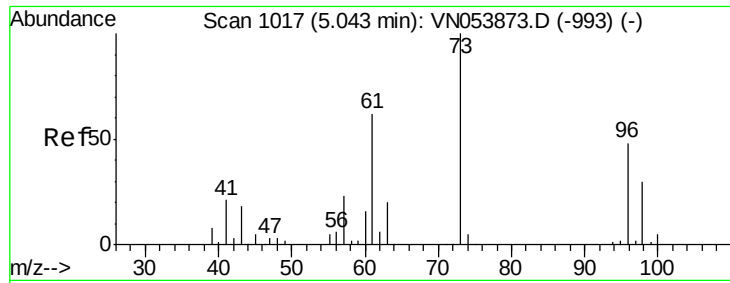
MMDadoda
2/22/2019 10:30:13 AM



#20
Methylene Chloride
Concen: 18.679 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.3	89.7	134.5
51	37.1	27.8	41.8
86	65.2	51.3	76.9





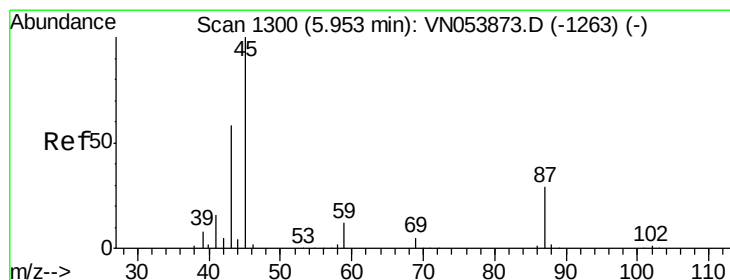
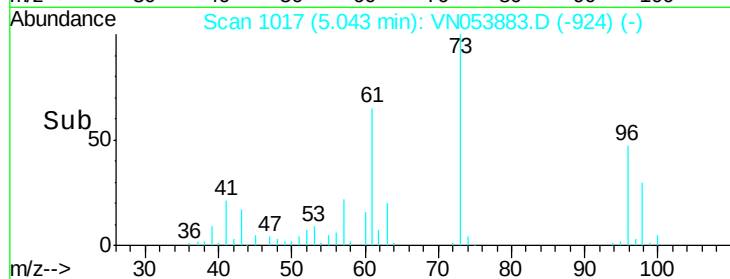
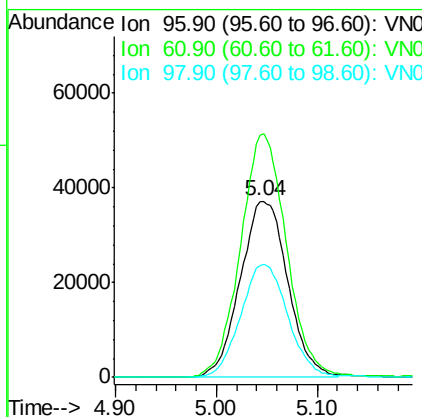
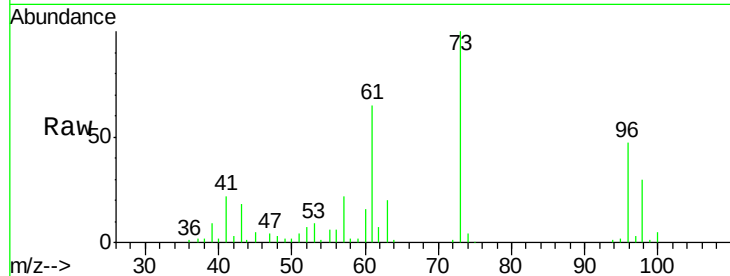
#21
trans-1,2-Dichloroethene
Concen: 19.173 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	104.5	156.7
98	63.6	50.6	76.0

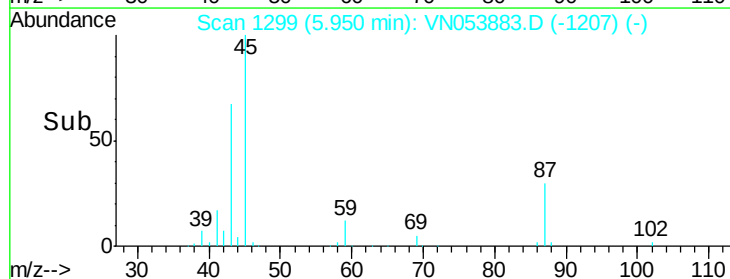
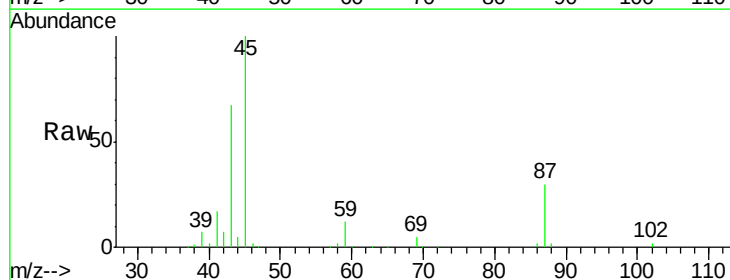
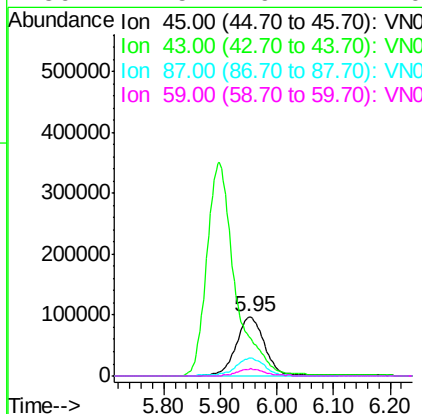
Manual Integrations
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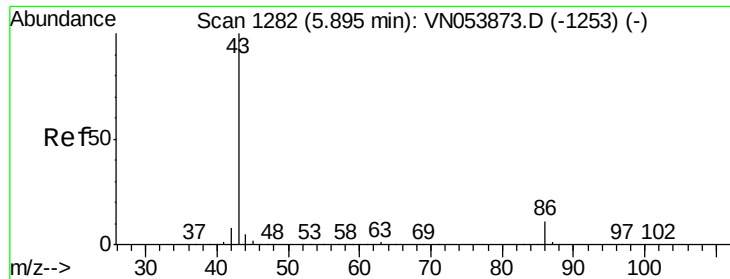
MMDadoda
2/22/2019 10:30:13 AM



#22
Diisopropyl ether
Concen: 20.361 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	46.2	69.4
87	29.2	23.4	35.0
59	11.5	9.4	14.0





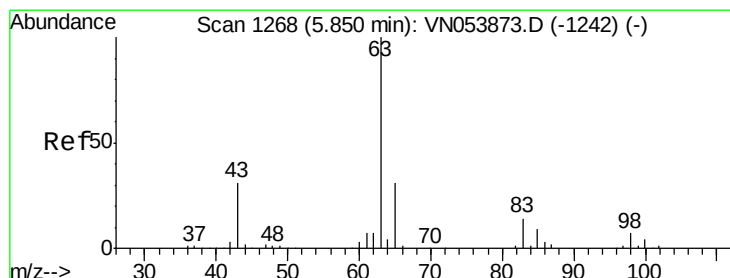
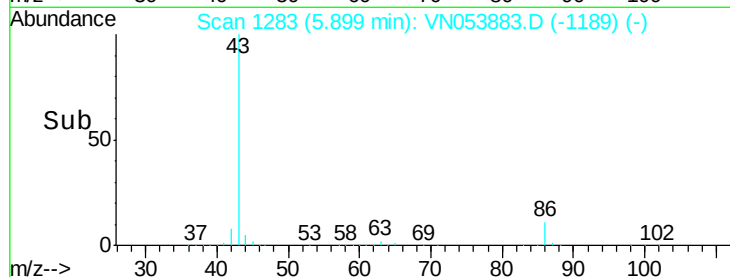
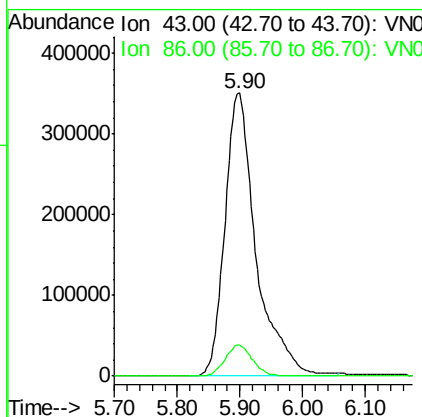
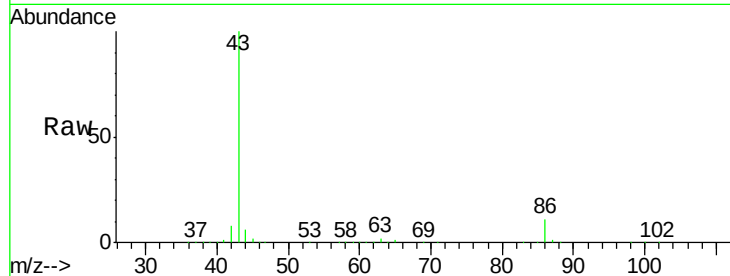
#23
 Vinyl Acetate
 Concen: 98.982 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Tot Ion: 43 Resp: 1212830
 Ion Ratio Lower Upper
 43 100
 86 11.1 9.1 13.7

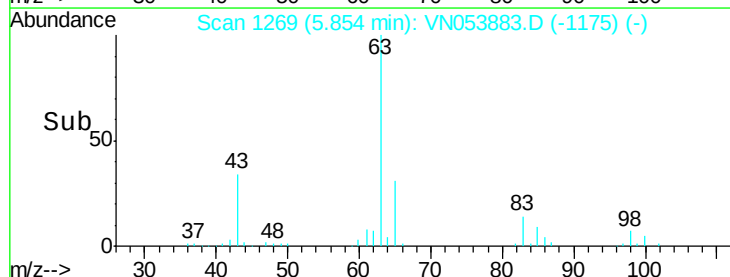
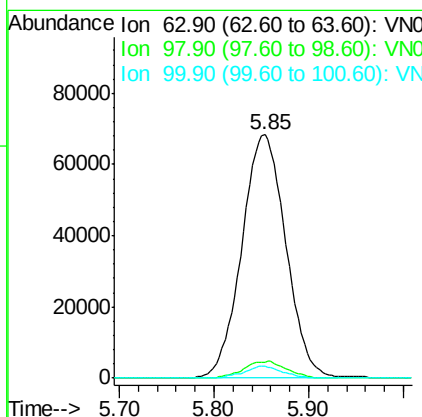
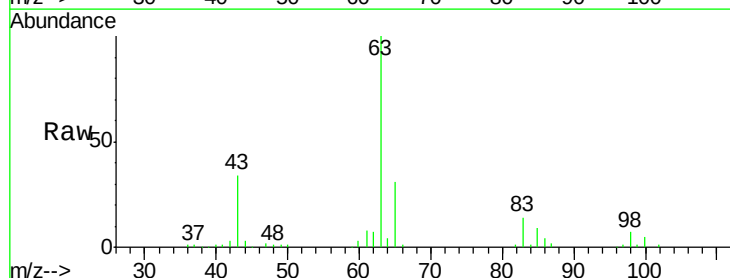
Manual Integrations
 APPROVED

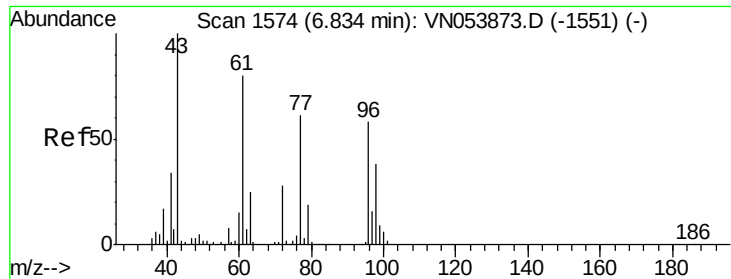
MMDadoda
 2/22/2019 10:30:13 AM



#24
 1,1-Dichloroethane
 Concen: 19.135 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion: 63 Resp: 220813
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.2
 100 4.8 2.2 6.6





#25

2-Butanone

Concen: 95.416 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

Tot Ion: 43 Resp: 225287

Ion Ratio Lower Upper

43 100

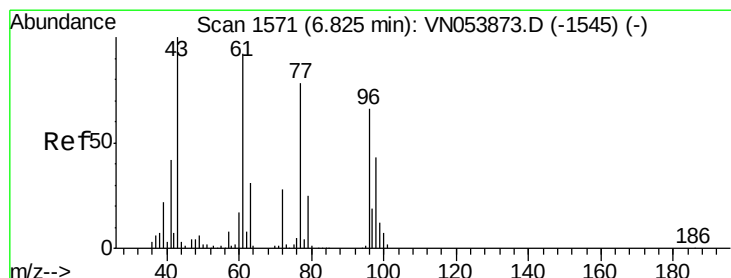
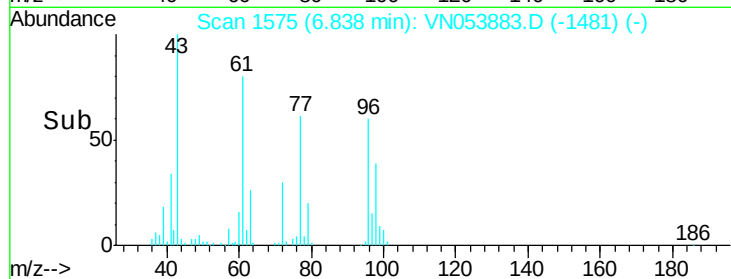
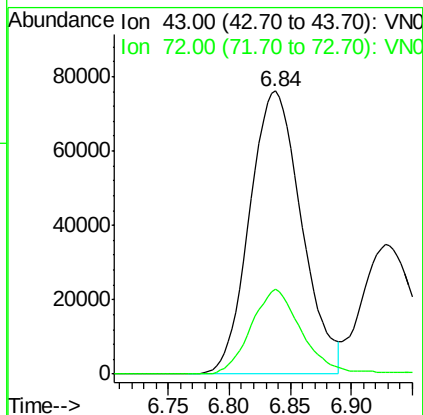
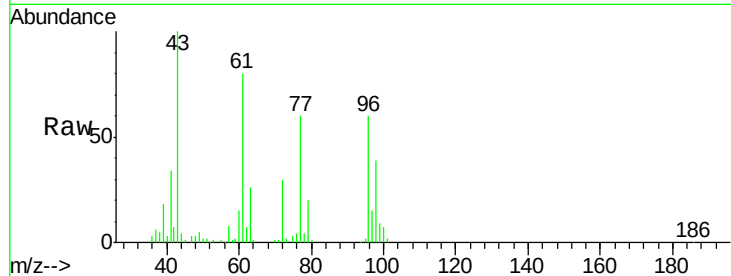
72 29.9 22.1 33.1

Manual Integrations

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MMDadoda

2/22/2019 10:30:13 AM



#26

2,2-Dichloropropane

Concen: 18.964 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053883.D

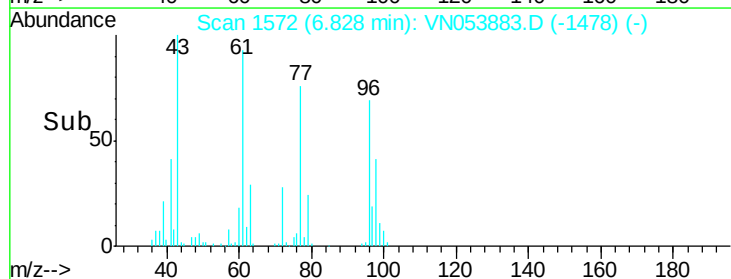
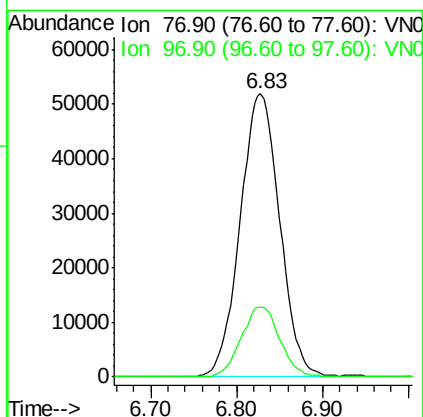
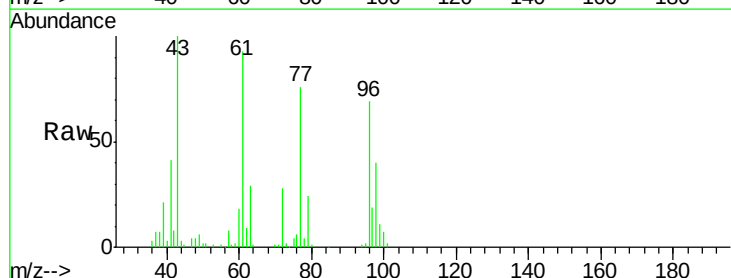
Acq: 21 Feb 2019 11:01

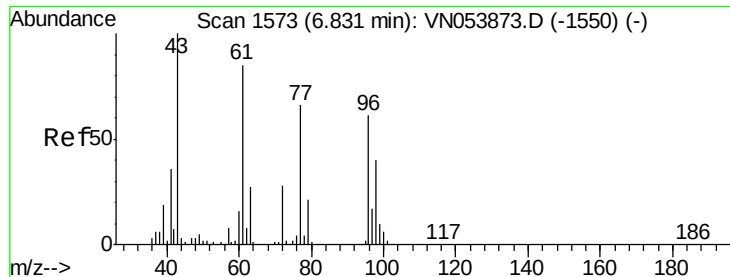
Tgt Ion: 77 Resp: 166065

Ion Ratio Lower Upper

77 100

97 24.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 19.563 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

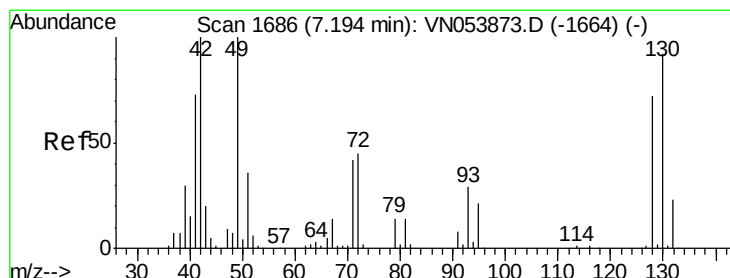
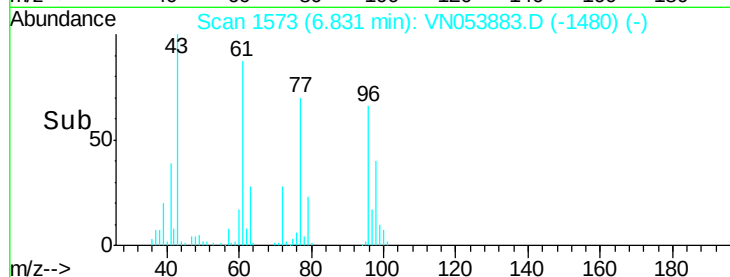
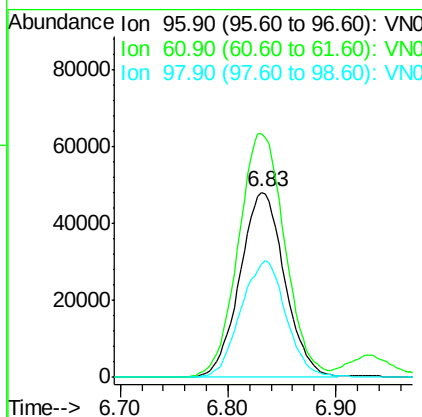
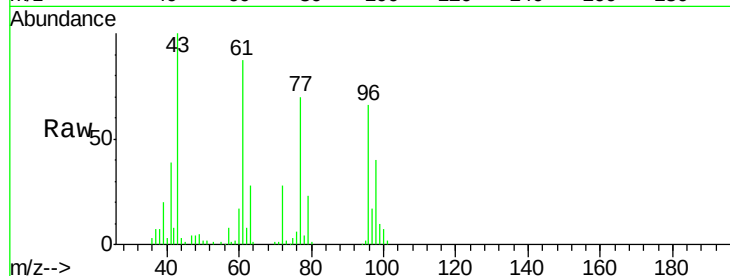
ClientSampleId :

VN0221WBSD01

Tot Ion:	96	Resp:	138955
Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	275.6
98	63.8	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 20.015 ug/l

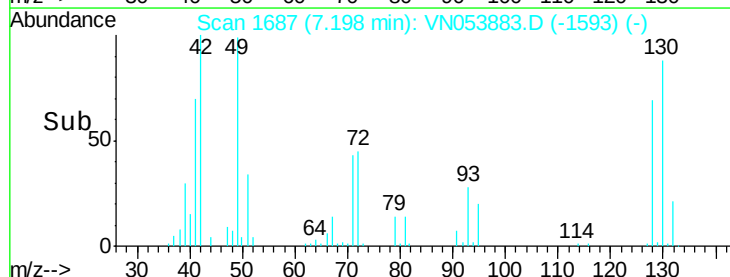
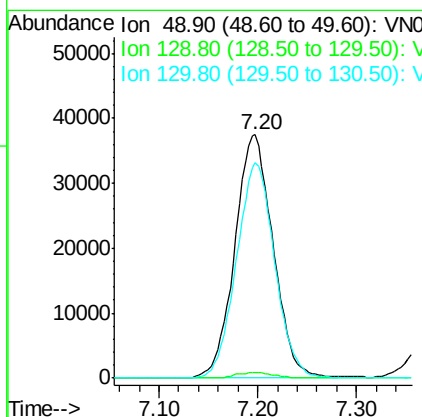
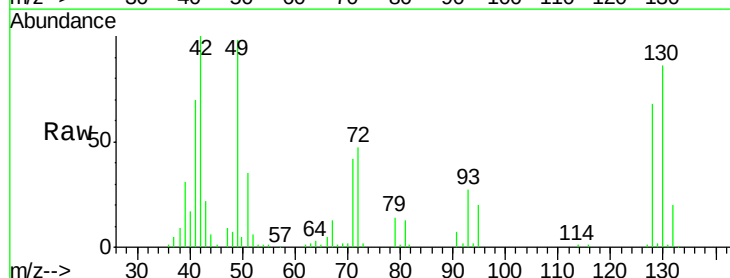
RT: 7.20 min Scan# 1687

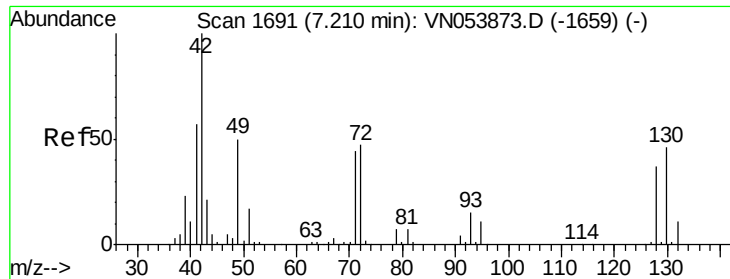
Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Tgt Ion:	49	Resp:	100806
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	88.3	72.9	109.3





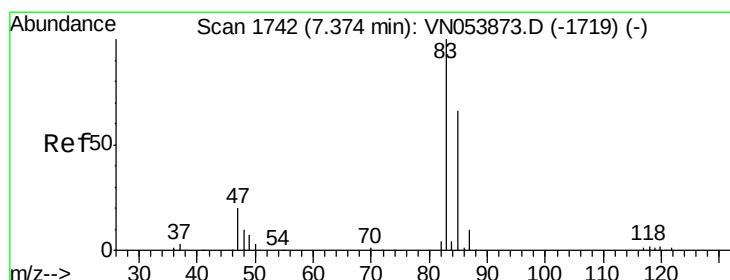
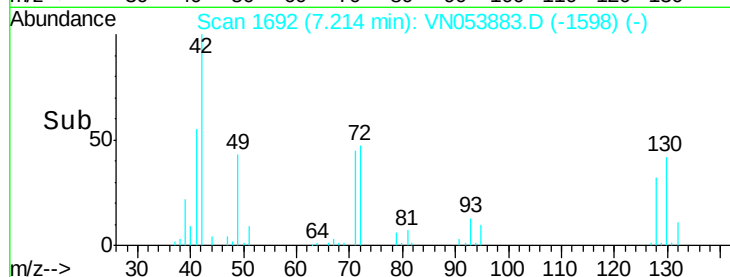
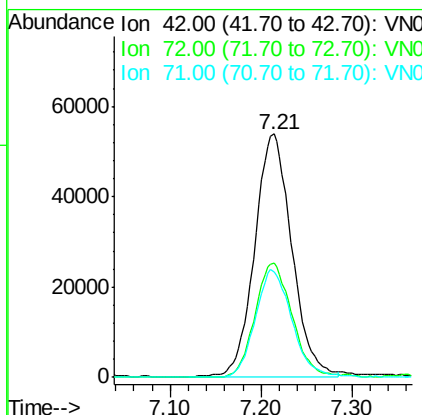
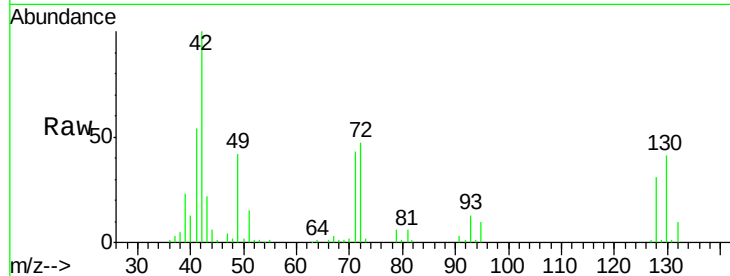
#29
Tetrahydrofuran
Concen: 99.357 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	36.9	55.3
71	43.7	34.6	52.0

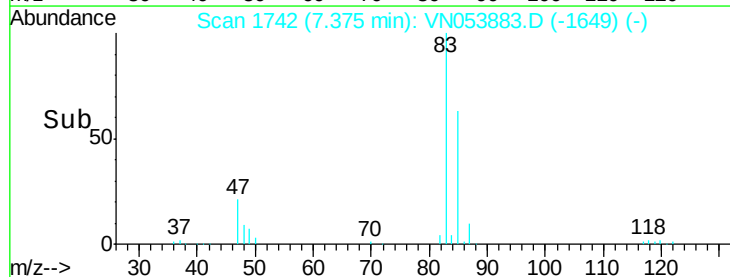
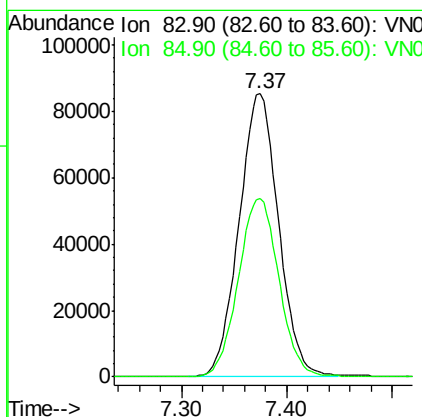
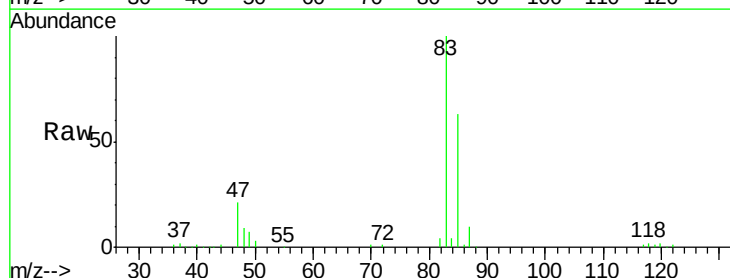
Manual Integrations
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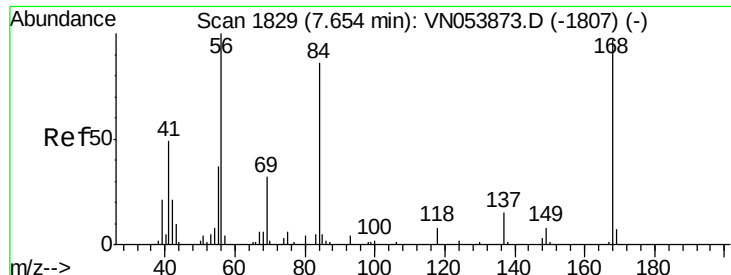
MMDadoda
2/22/2019 10:30:13 AM



#30
Chloroform
Concen: 19.195 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	78.8





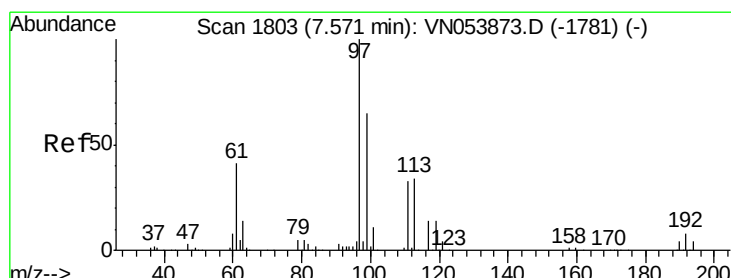
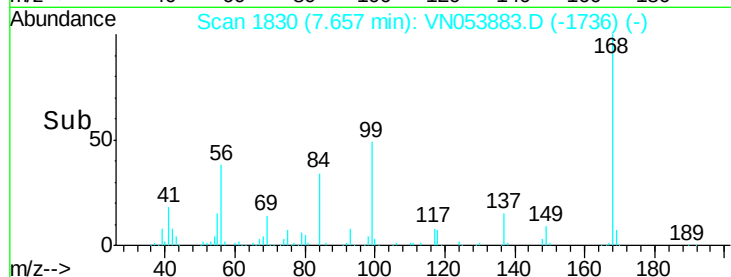
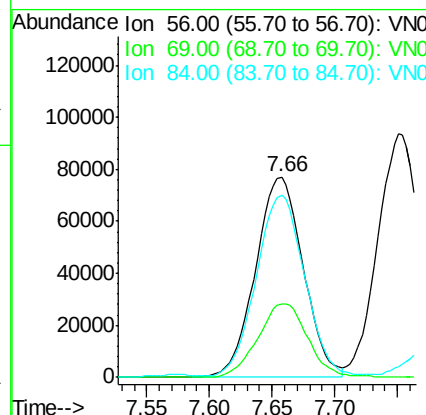
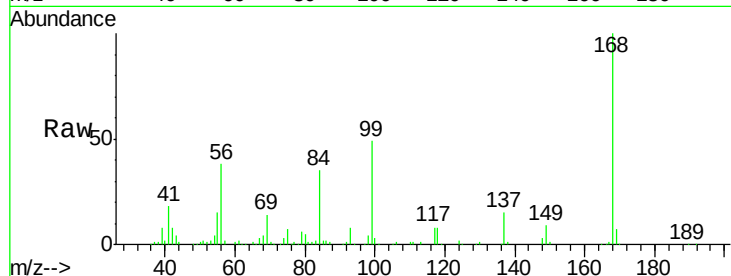
#31
Cyclohexane
Concen: 18.970 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	26.0	39.0
84	90.1	69.1	103.7

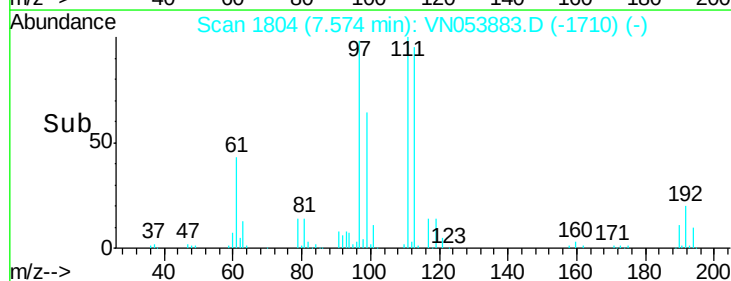
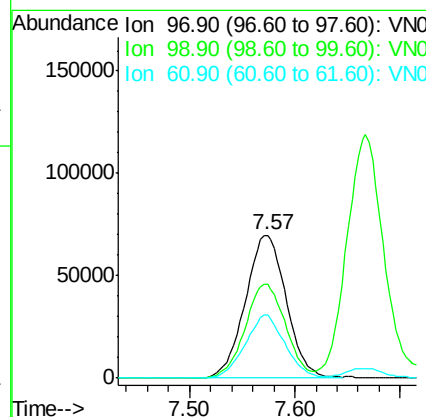
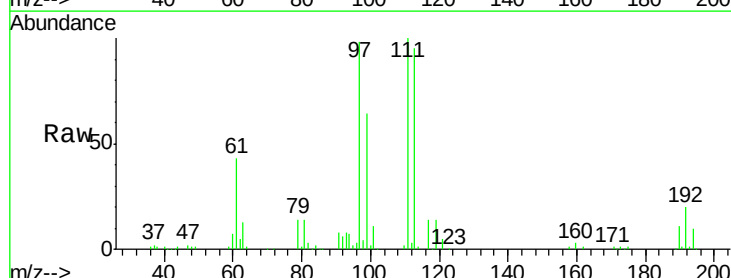
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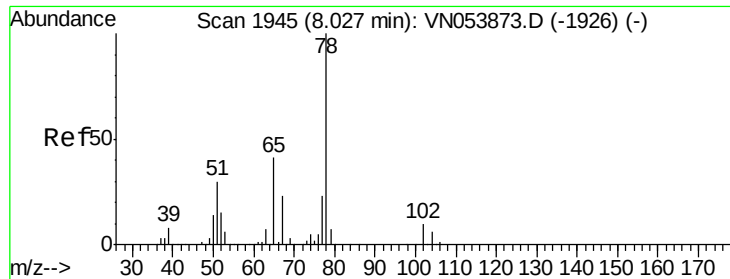
MMDadoda
2/22/2019 10:30:13 AM



#32
1,1,1-Trichloroethane
Concen: 18.972 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.8	77.8
61	42.9	33.2	49.8





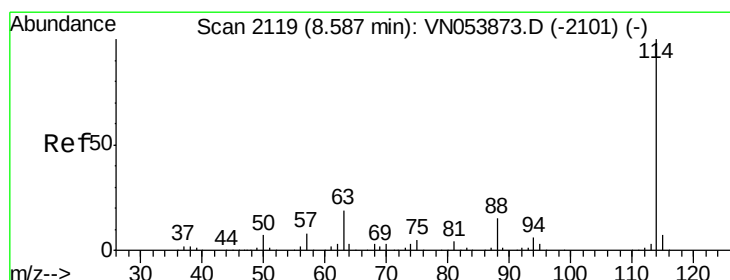
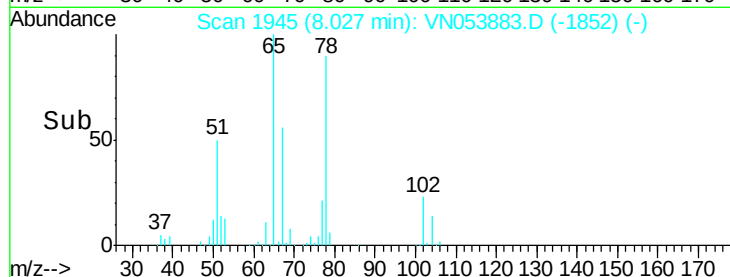
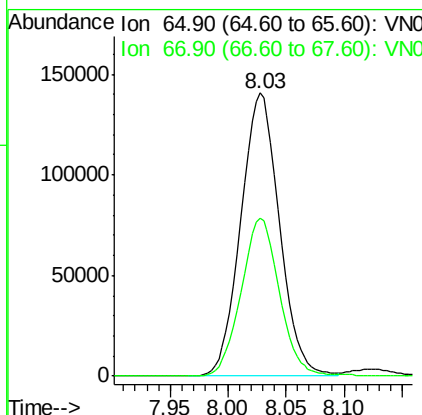
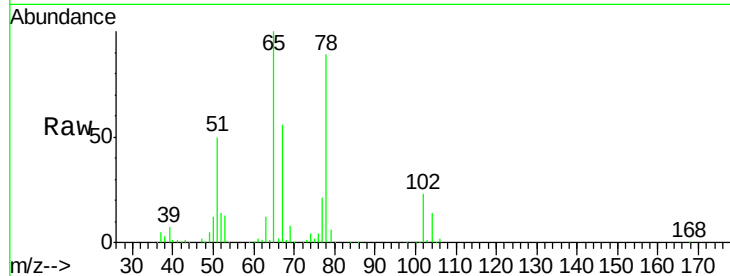
#33
 1,2-Dichloroethane-d4
 Concen: 49.182 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.4	0.0	111.8	

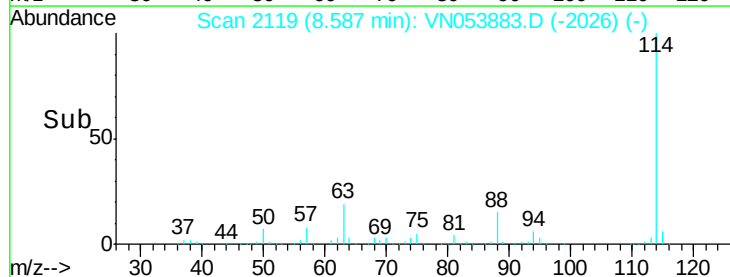
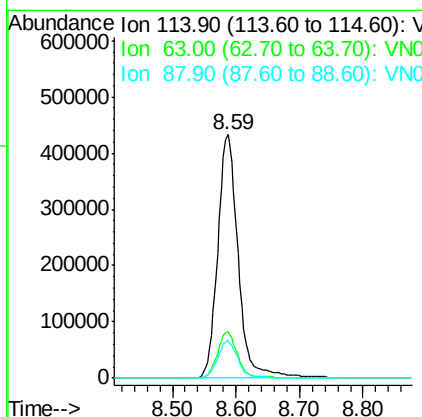
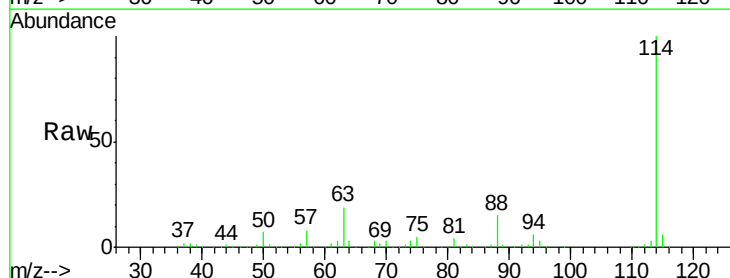
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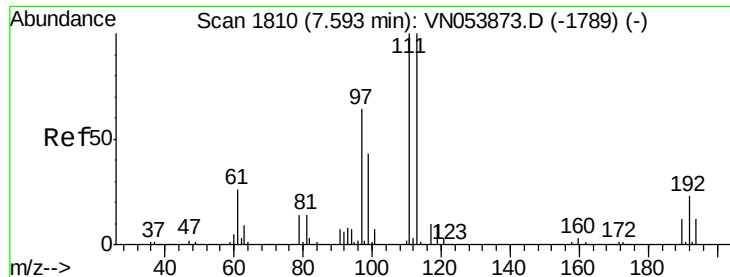
MMDadoda
 2/22/2019 10:30:13 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	37.4	
88	15.3	0.0	30.4	





#35

Dibromofluoromethane

Concen: 48.527 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

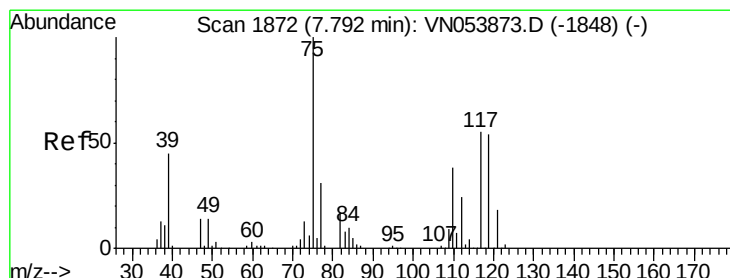
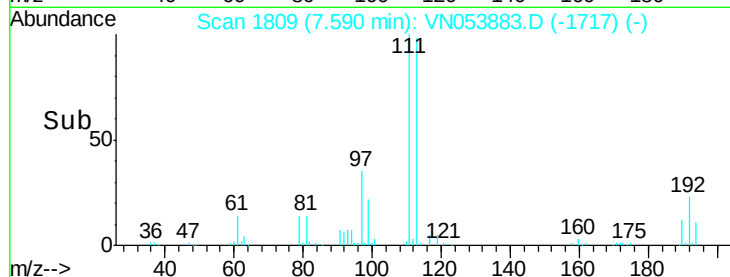
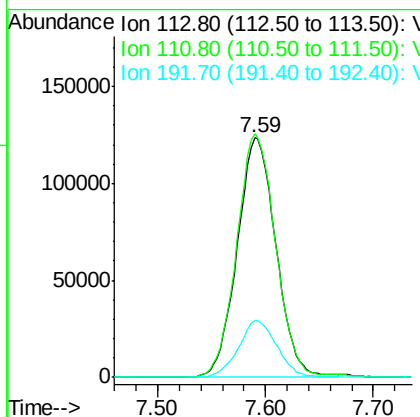
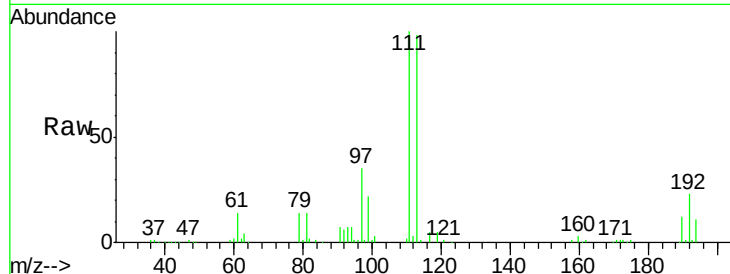
ClientSampleId :

VN0221WBSD01

Tot Ion:	113	Resp:	308756
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.1	121.7
192	23.5	18.8	28.2

Manual Integrations
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MMDadoda
2/22/2019 10:30:13 AM



#36

1,1-Dichloropropene

Concen: 18.618 ug/l

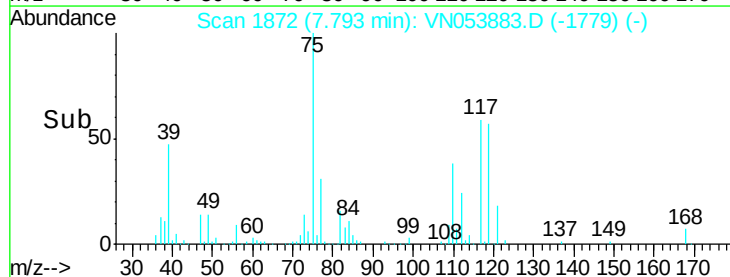
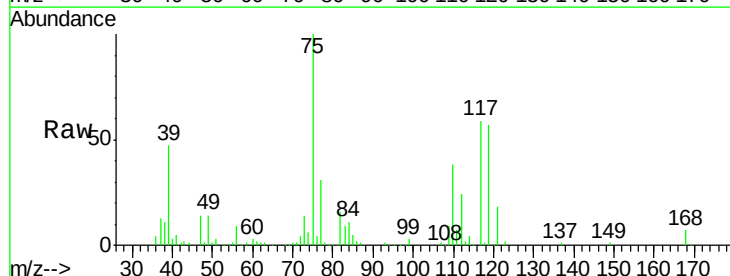
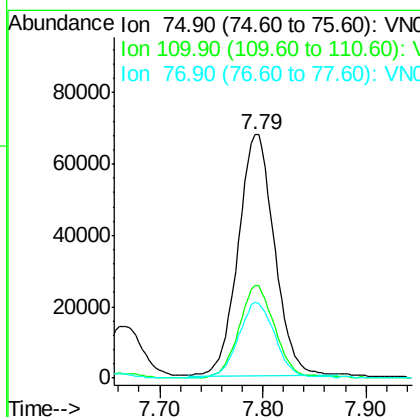
RT: 7.79 min Scan# 1872

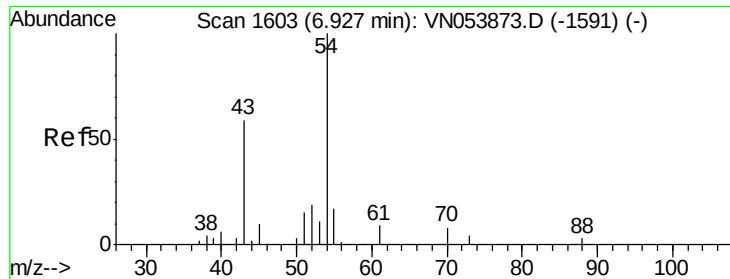
Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Tgt Ion:	75	Resp:	165448
Ion Ratio	Lower	Upper	
75	100		
110	38.1	19.0	57.0
77	32.0	25.4	38.0





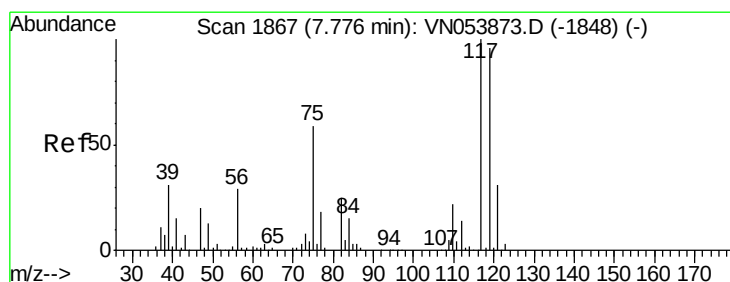
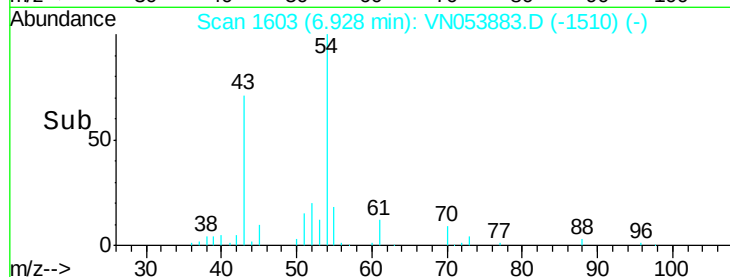
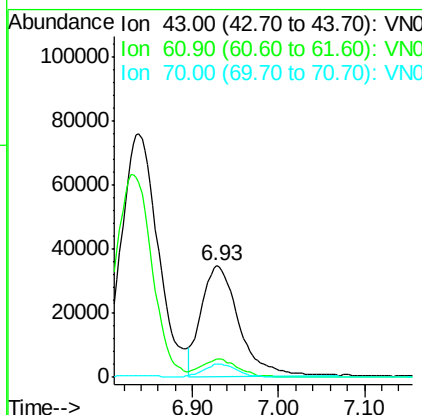
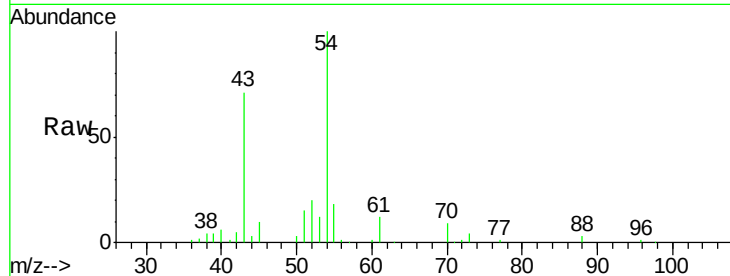
#37
Ethyl Acetate
Concen: 19.810 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampled :
VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.0	18.0
70	11.0	8.7	13.1

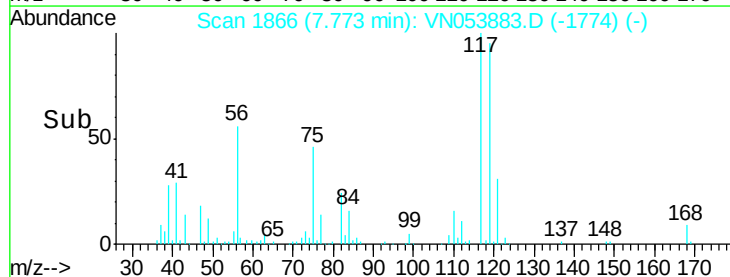
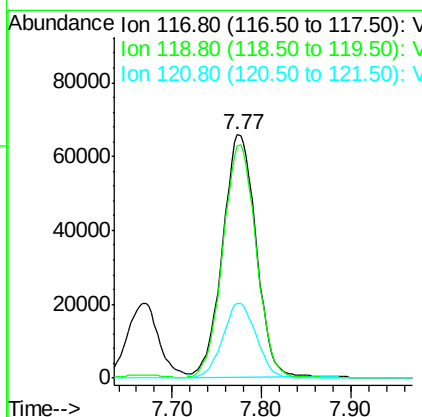
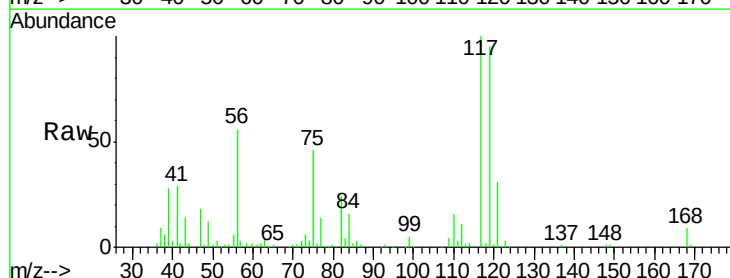
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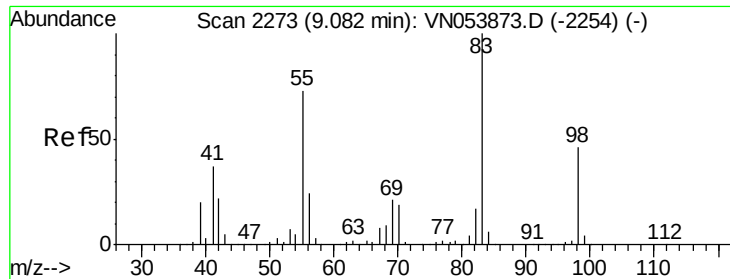
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#38
Carbon Tetrachloride
Concen: 19.299 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.2
121	31.0	24.6	36.8





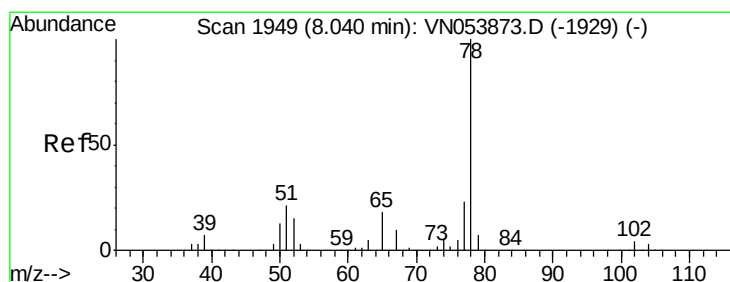
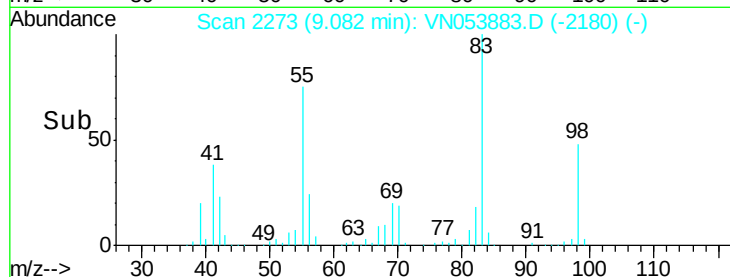
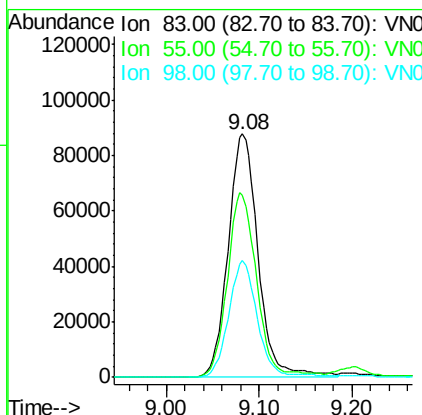
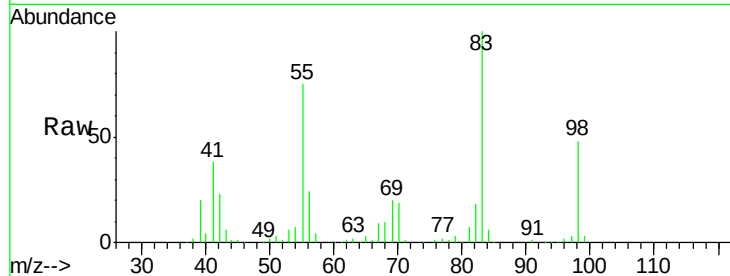
#39
Methylvlcyclohexane
Concen: 19.216 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	58.2	87.4
98	47.9	37.2	55.8

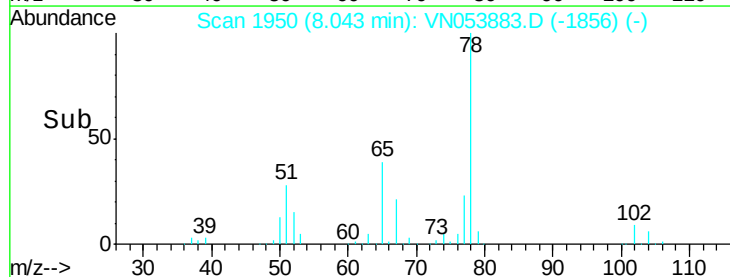
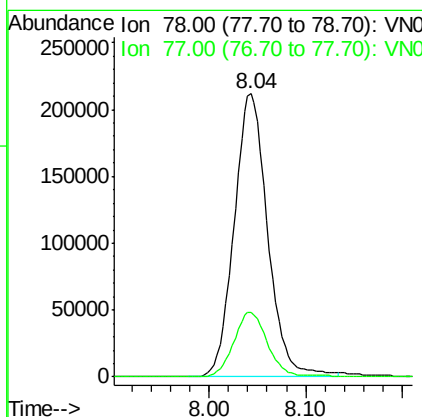
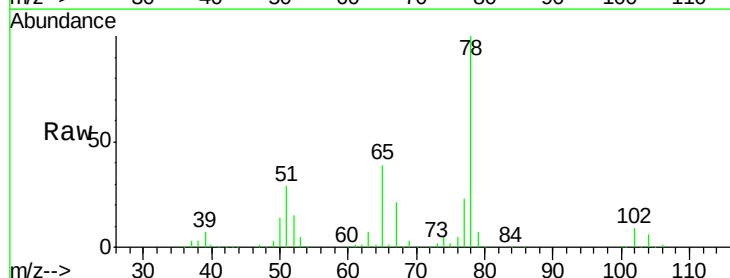
Manual Integrations
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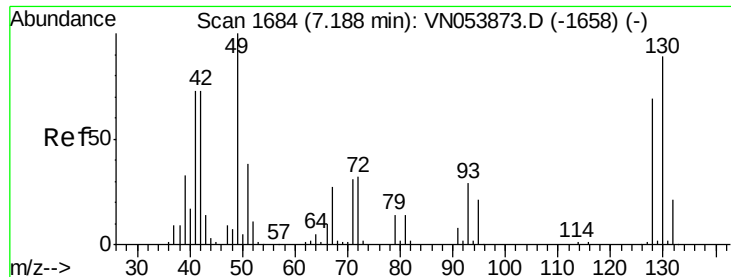
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#40
Benzene
Concen: 19.452 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2





#41

Methacrylonitrile

Concen: 16.780 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.02 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

Tot Ion: 41 Resp: 49410

Ion Ratio Lower Upper

41 100

39 62.1 0.0 0.0#

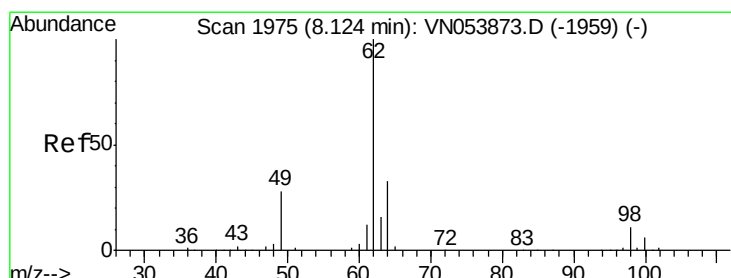
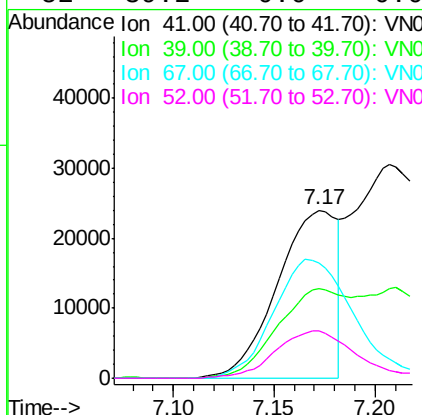
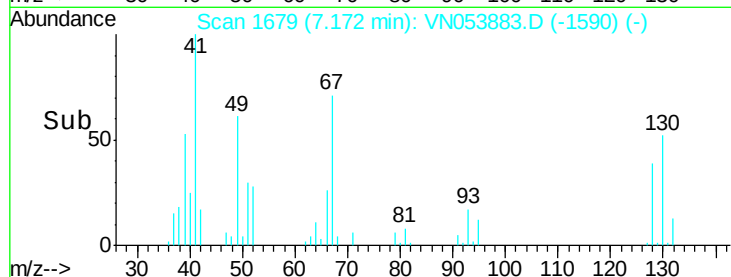
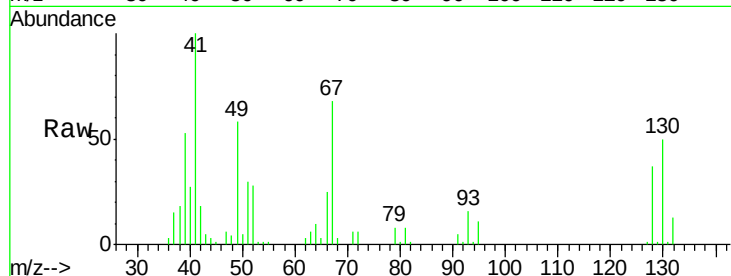
67 95.6 0.0 0.0#

52 39.2 0.0 0.0#

Manual Integrations
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MMDadoda

2/22/2019 10:30:13 AM



#42

1,2-Dichloroethane

Concen: 19.128 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN053883.D

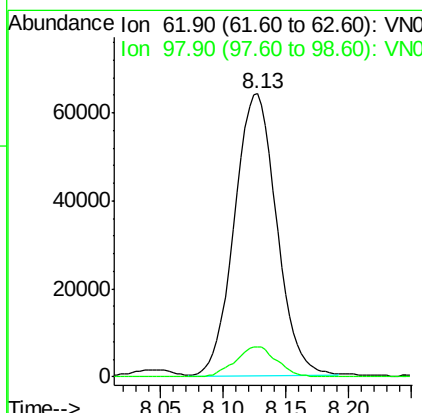
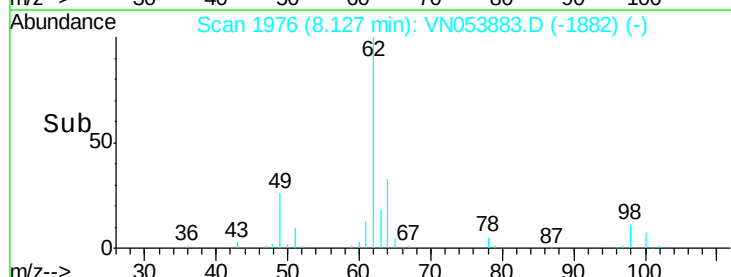
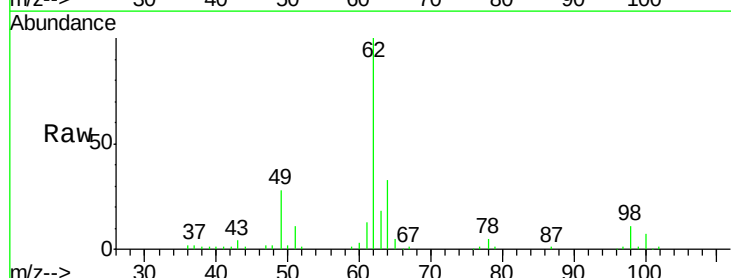
Acq: 21 Feb 2019 11:01

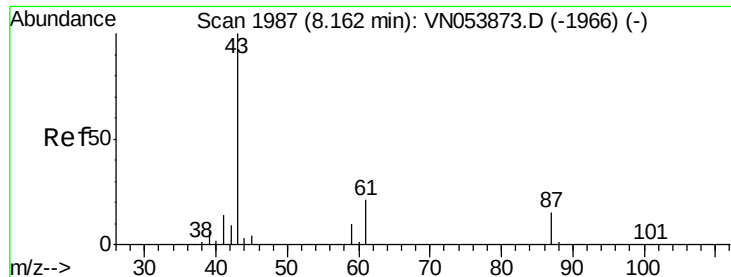
Tgt Ion: 62 Resp: 149811

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.8





#43

Isopropyl Acetate

Concen: 18.902 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

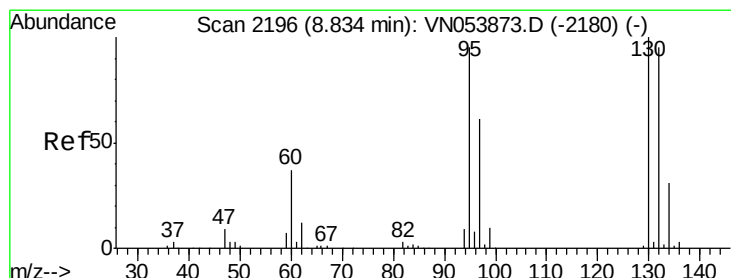
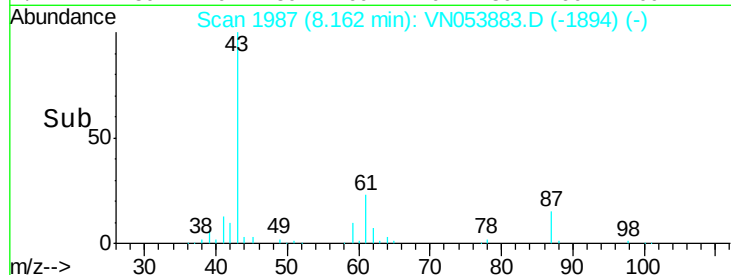
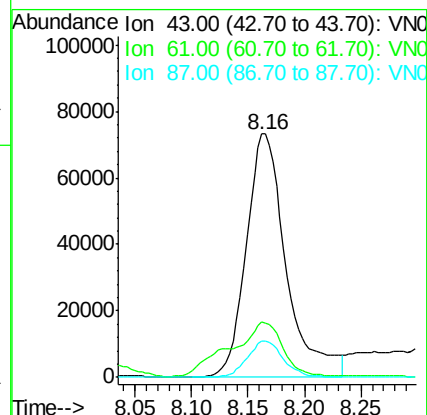
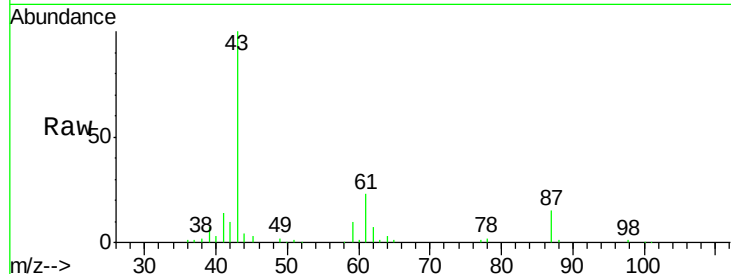
ClientSampleId :

VN0221WBSD01

Tot Ion:	43	Resp:	179168
Ion Ratio	Lower	Upper	
43	100		
61	29.6	17.4	26.0#
87	13.7	11.5	17.3

Manual Integrations
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MMDadoda
2/22/2019 10:30:13 AM



#44

Trichloroethene

Concen: 19.568 ug/l

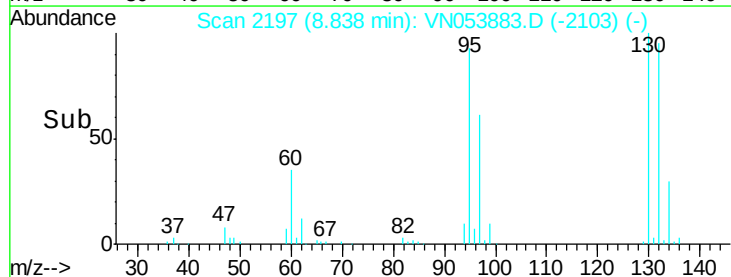
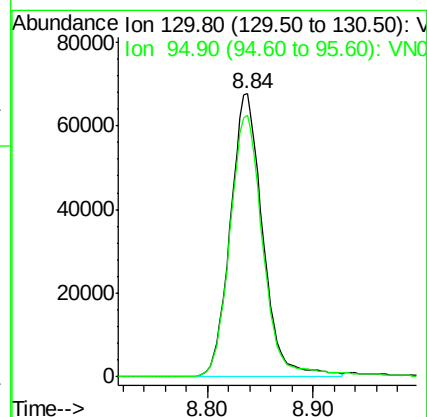
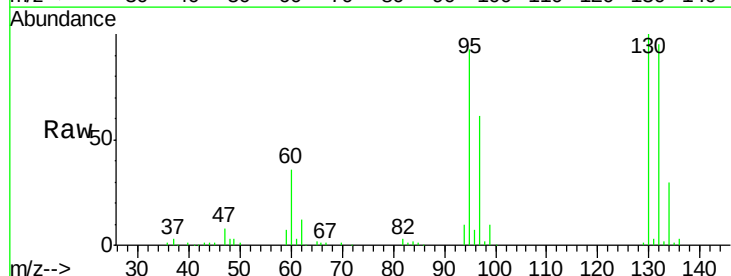
RT: 8.84 min Scan# 2197

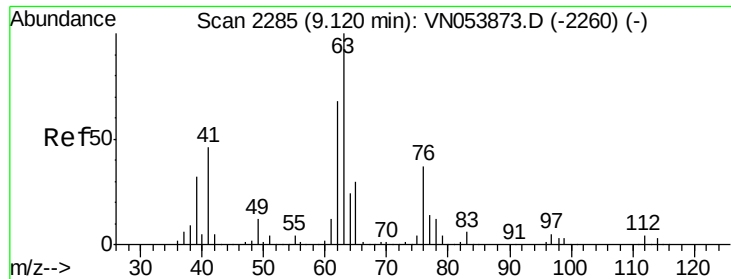
Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Tgt Ion:	130	Resp:	143908
Ion Ratio	Lower	Upper	
130	100		
95	92.6	0.0	190.0





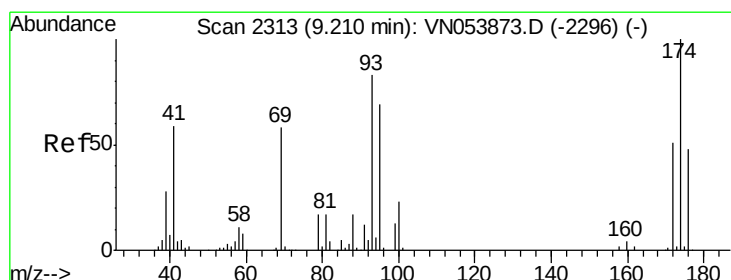
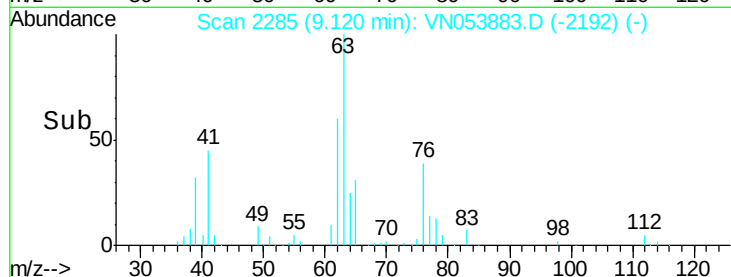
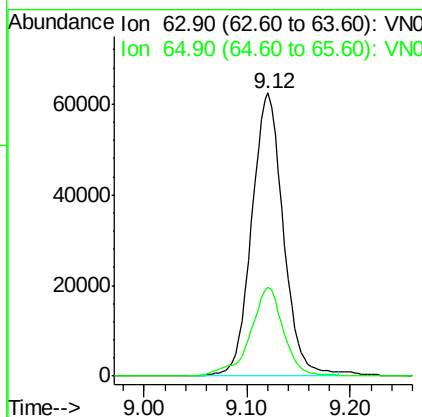
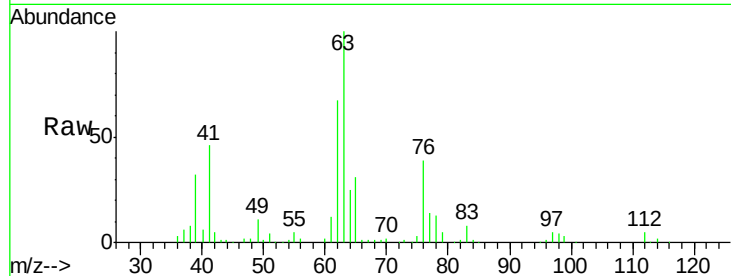
#45
 1,2-Dichloropropane
 Concen: 19.749 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Tot Ion	63	Resp	132461
Ion Ratio	Lower	Upper	
63	100		
65	31.4	24.3	36.5

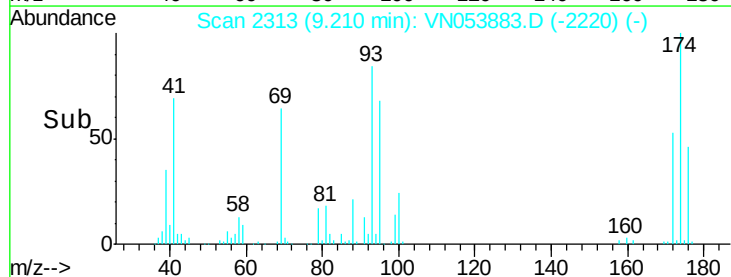
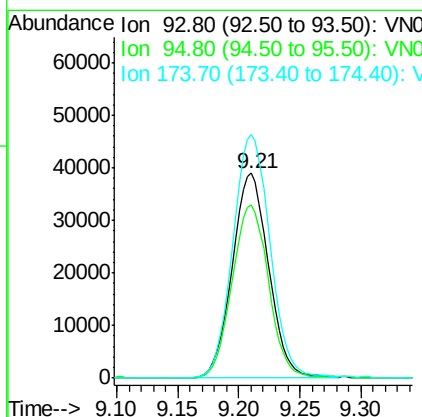
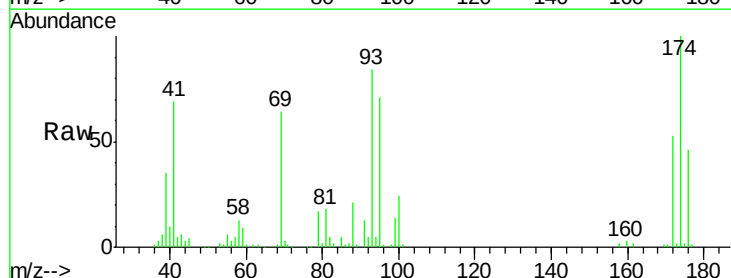
Manual Integrations
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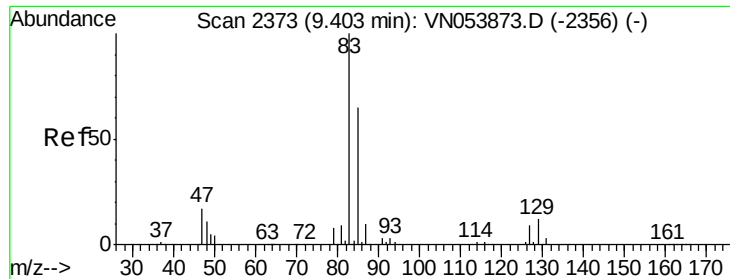
MMDadoda
 2/22/2019 10:30:13 AM



#46
 Dibromomethane
 Concen: 19.987 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion	93	Resp	80716
Ion Ratio	Lower	Upper	
93	100		
95	84.6	66.6	100.0
174	121.6	96.2	144.4





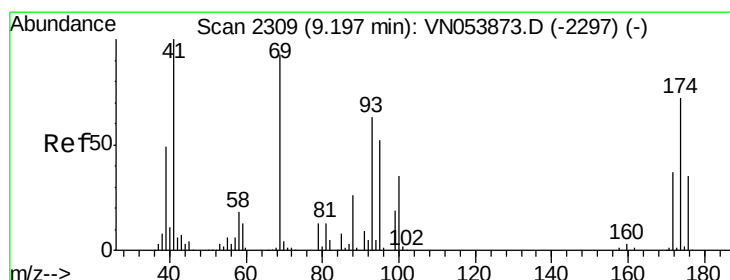
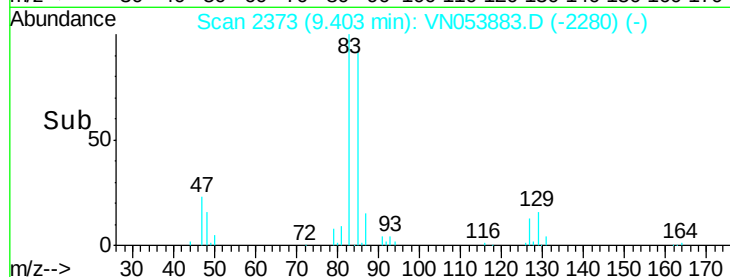
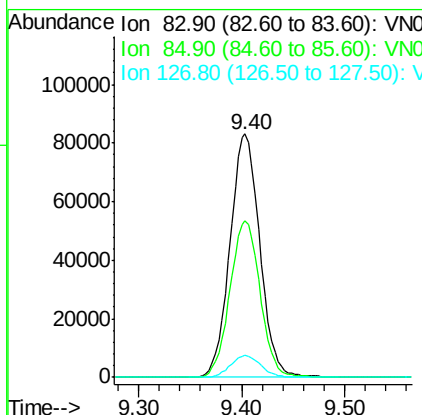
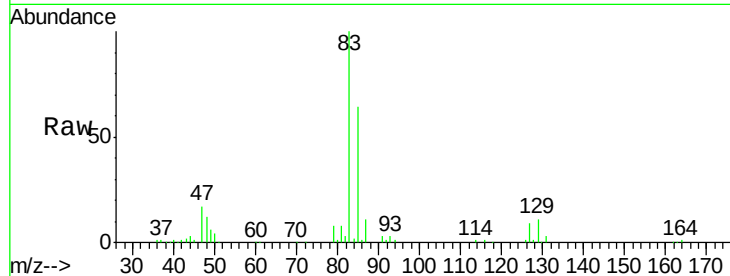
#47
Bromodichloromethane
Concen: 19.664 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion	83	Resp	167531
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.8	77.6
127	8.9	7.4	11.0

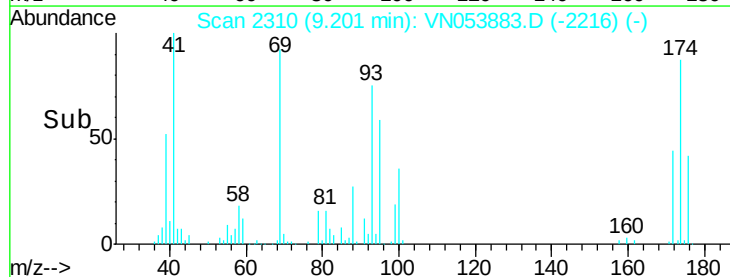
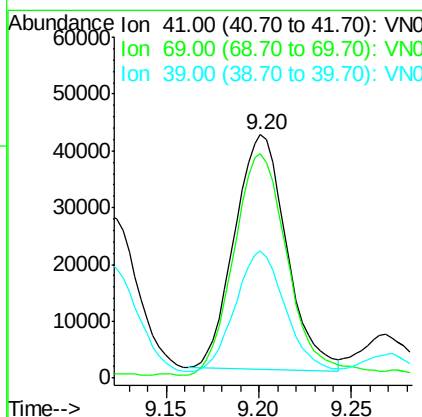
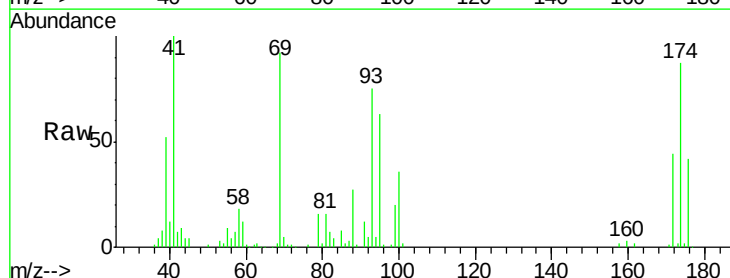
Manual Integrations
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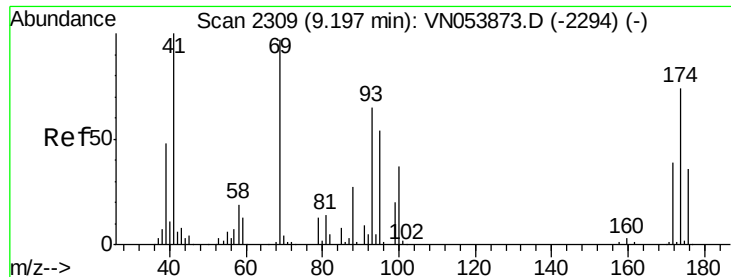
MMDadoda
2/22/2019 10:30:13 AM



#48
Methyl methacrylate
Concen: 19.757 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	41	Resp	80295
Ion Ratio	100	Lower	Upper
41	100		
69	98.0	74.8	112.2
39	49.9	39.0	58.6





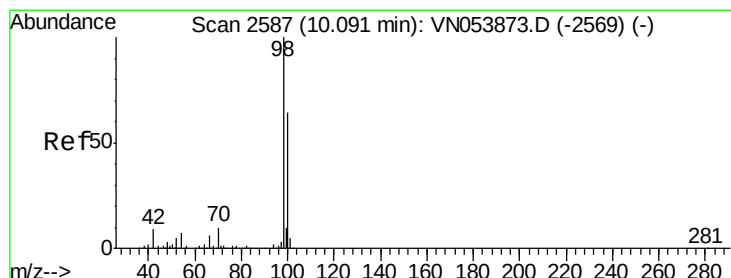
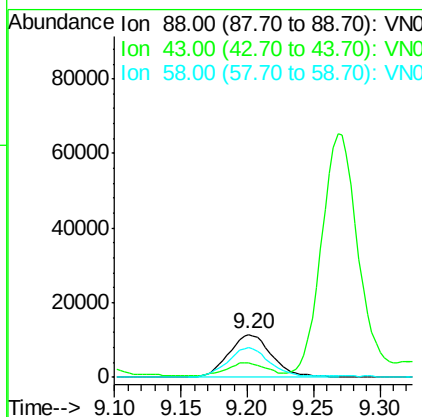
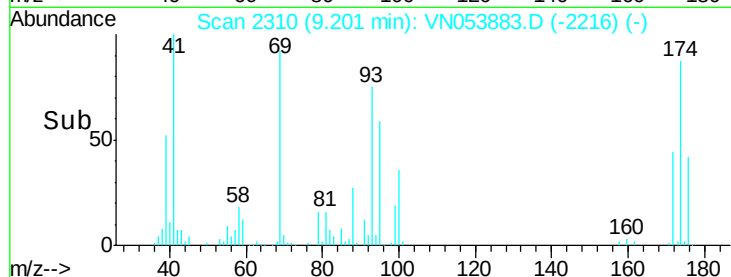
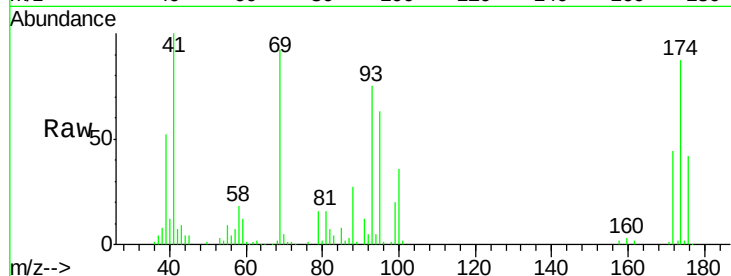
#49
1,4-Dioxane
Concen: 410.983 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	21.2	31.8
58	67.5	54.2	81.2

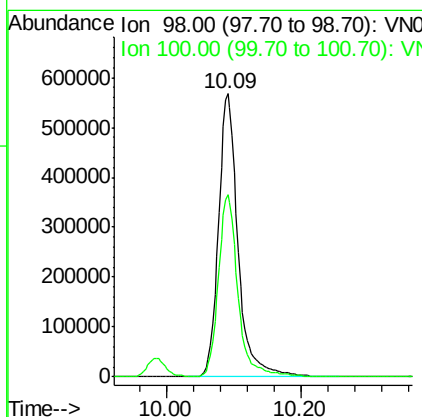
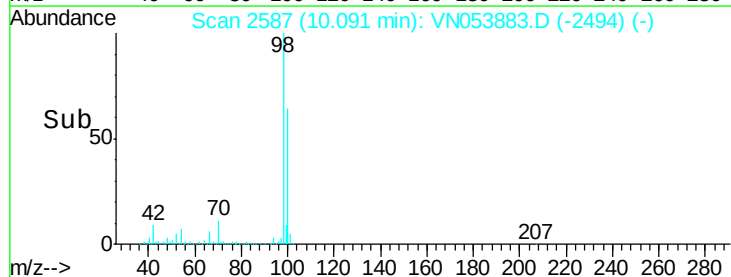
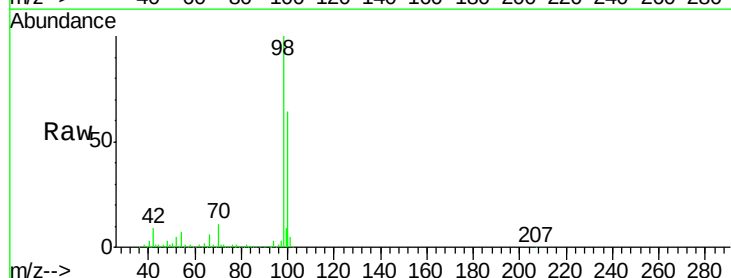
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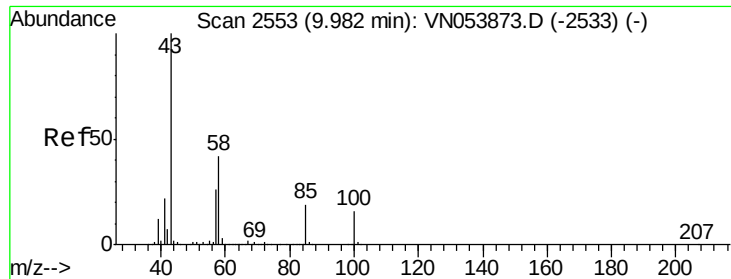
MMDadoda
2/22/2019 10:30:13 AM



#50
Toluene-d8
Concen: 50.121 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9





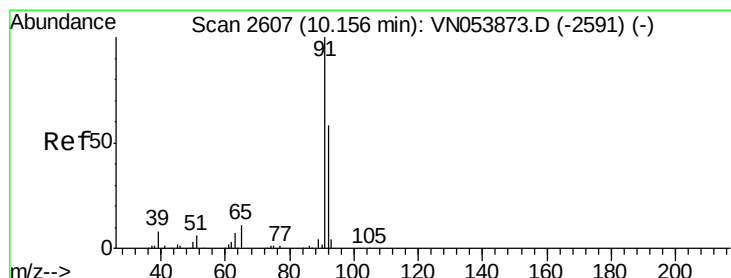
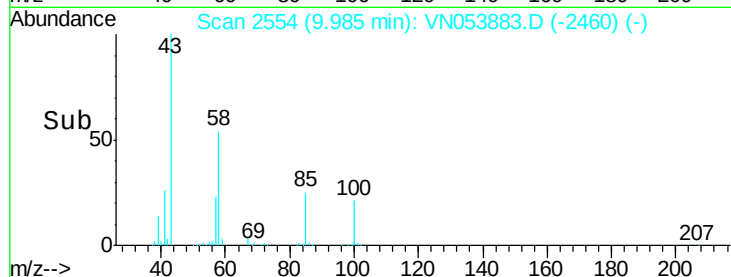
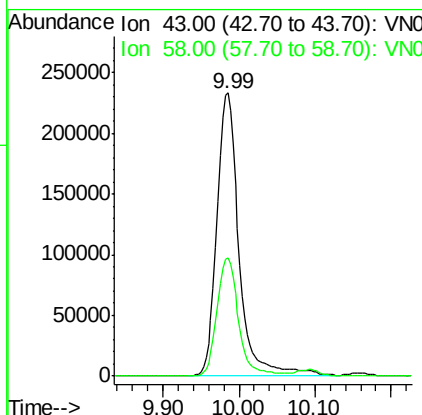
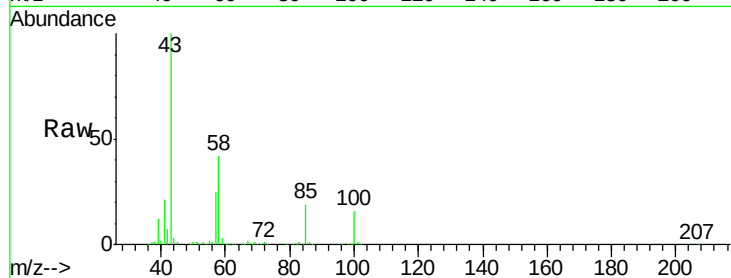
#51
4-Methyl-2-Pentanone
Concen: 100.576 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion: 43 Resp: 470327
Ion Ratio Lower Upper
43 100
58 40.9 32.7 49.1

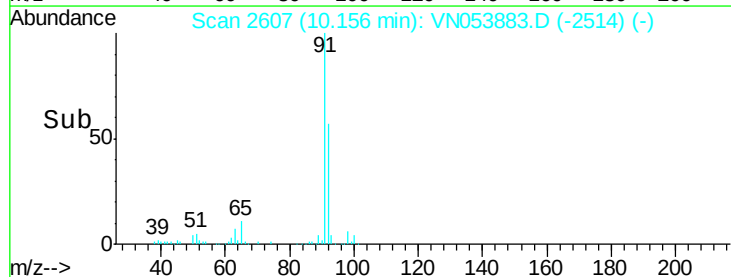
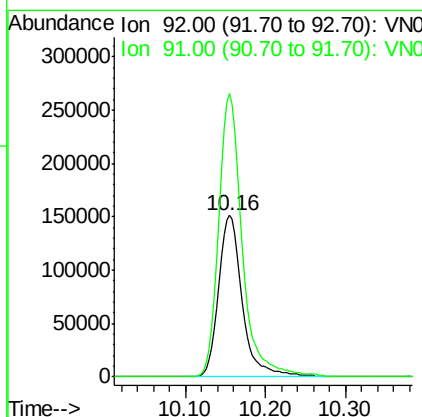
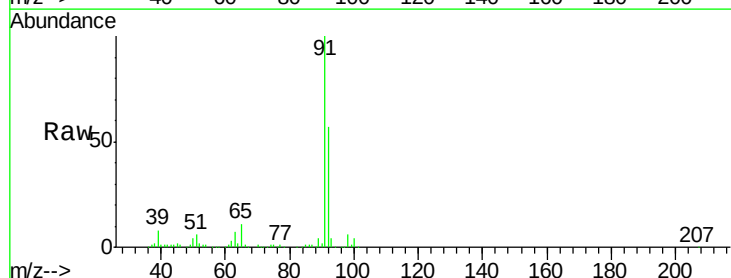
Manual Integrations
APPROVED

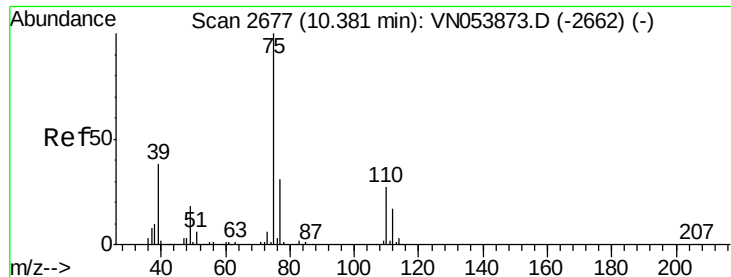
MMDadoda
2/22/2019 10:30:13 AM



#52
Toluene
Concen: 20.054 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion: 92 Resp: 312202
Ion Ratio Lower Upper
92 100
91 173.9 138.4 207.6





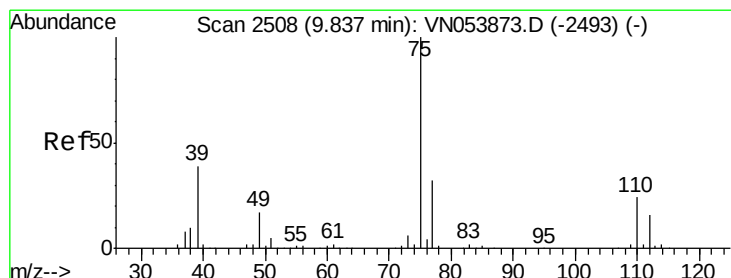
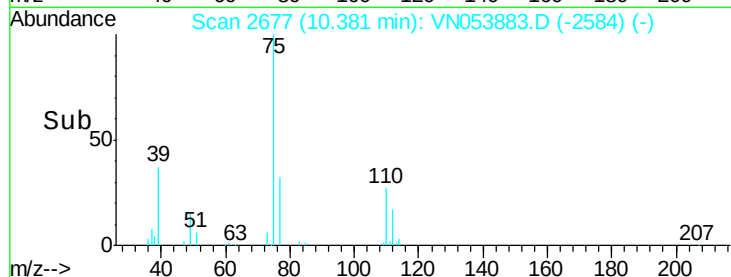
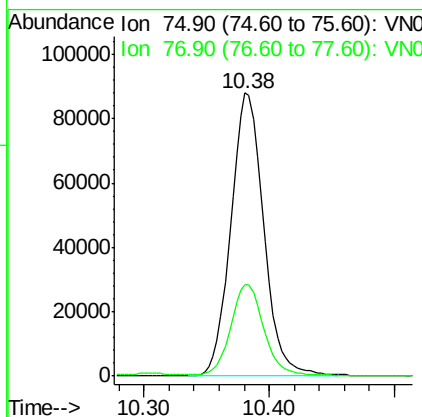
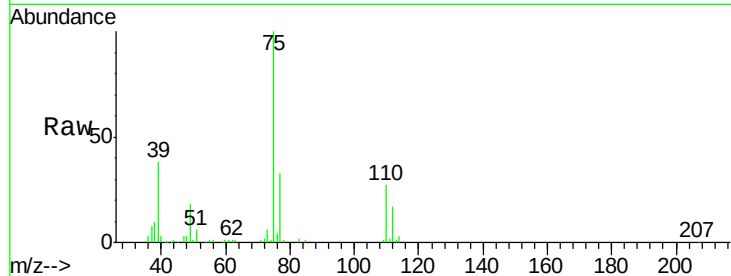
#53
 t-1,3-Dichloropropene
 Concen: 19.404 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.6

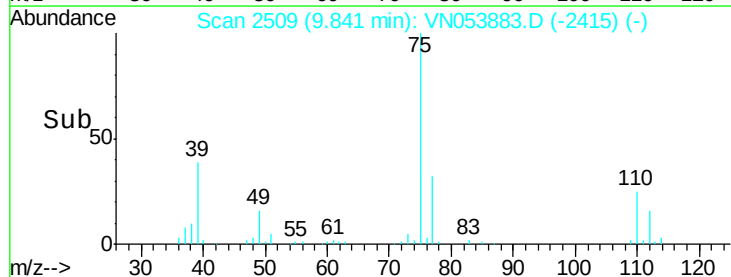
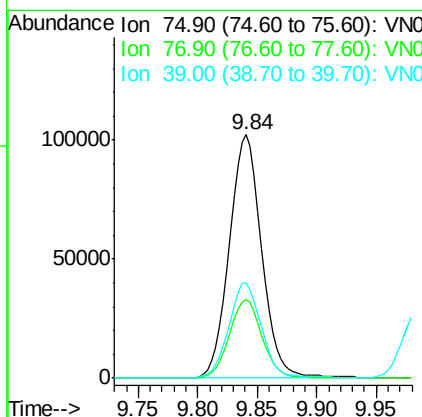
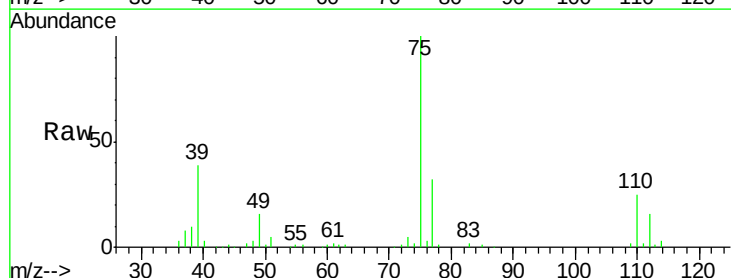
Manual Integrations
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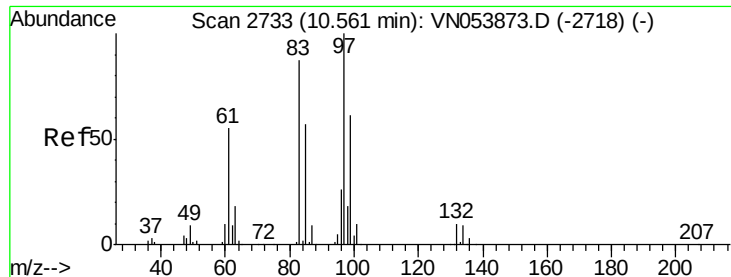
MMDadoda
 2/22/2019 10:30:13 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.773 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.8	38.6
39	39.2	31.4	47.0





#55

1,1,2-Trichloroethane

Concen: 20.285 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

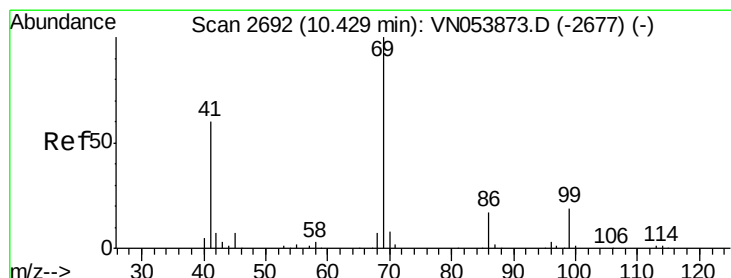
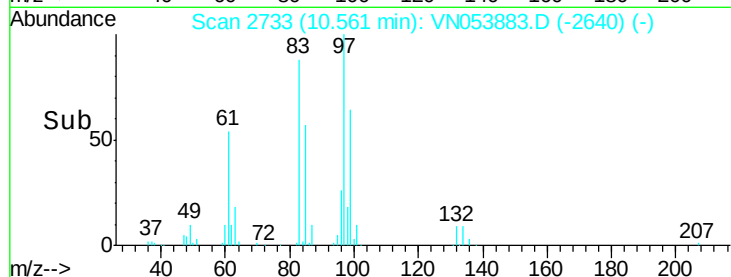
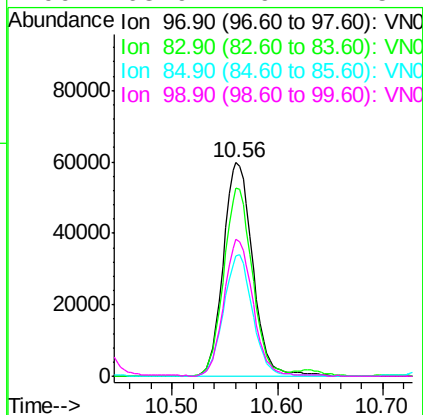
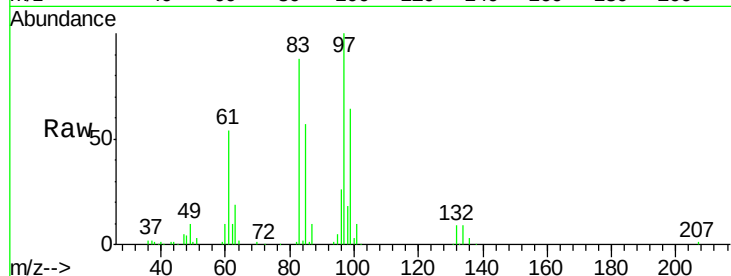
ClientSampleId :

VN0221WBSD01

Tot Ion:	97	Resp:	115448
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.5	104.3
85	56.6	45.9	68.9
99	63.9	49.1	73.7

Manual Integrations
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MMDadoda
2/22/2019 10:30:13 AM



#56

Ethyl methacrylate

Concen: 19.334 ug/l

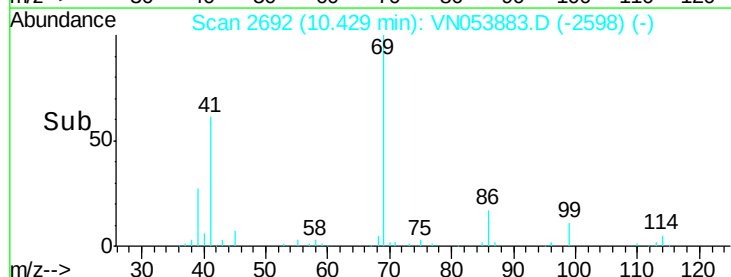
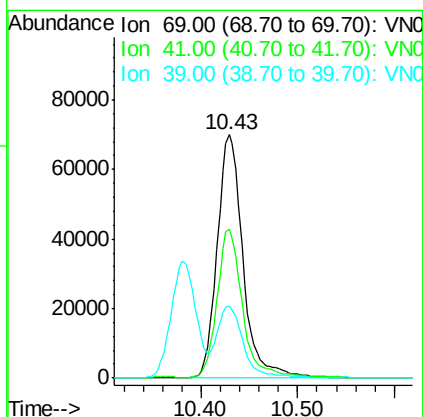
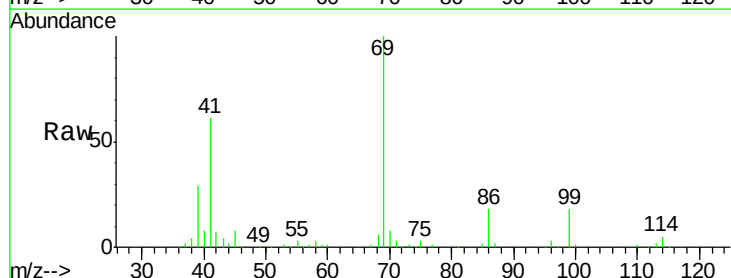
RT: 10.43 min Scan# 2692

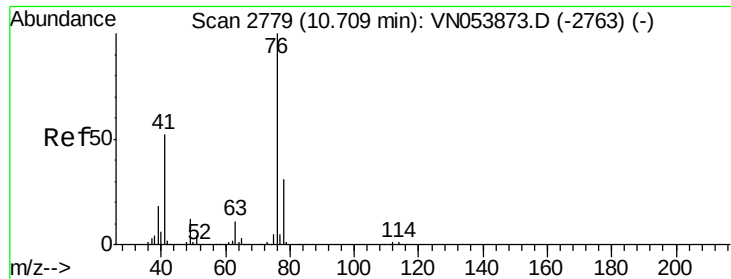
Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Tgt Ion:	69	Resp:	129870
Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.5	71.3
39	30.3	23.4	35.0





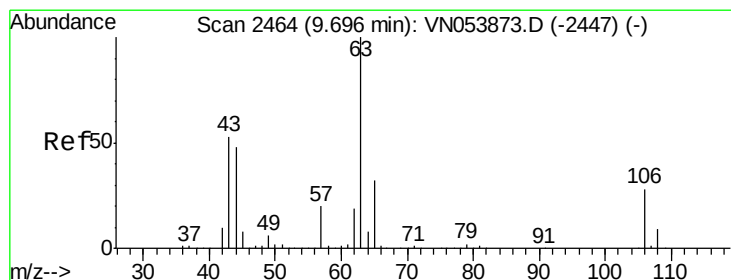
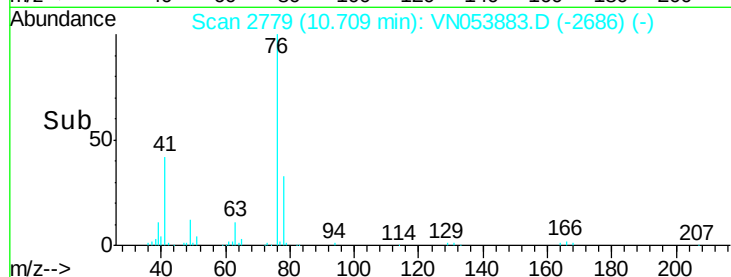
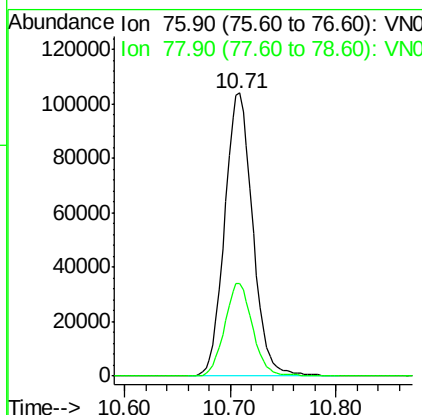
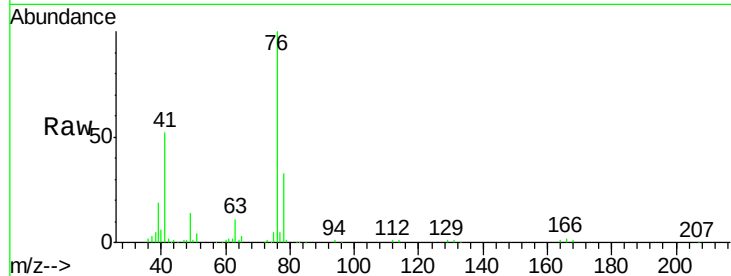
#57
 1,3-Dichloropropane
 Concen: 19.991 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.2	37.8

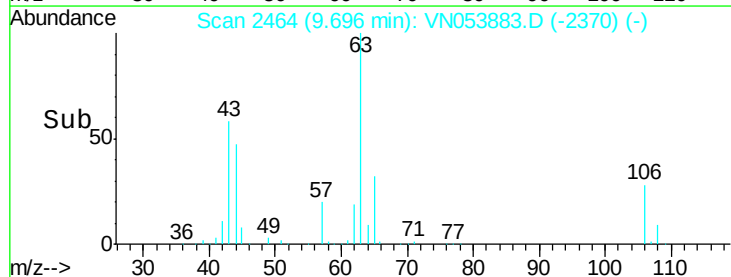
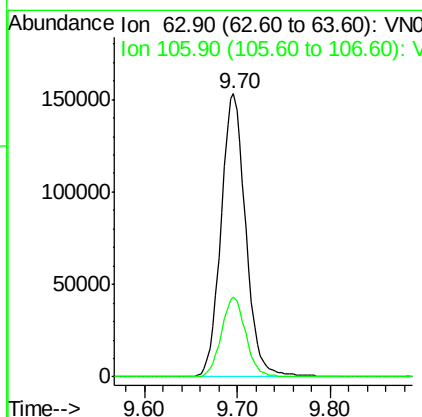
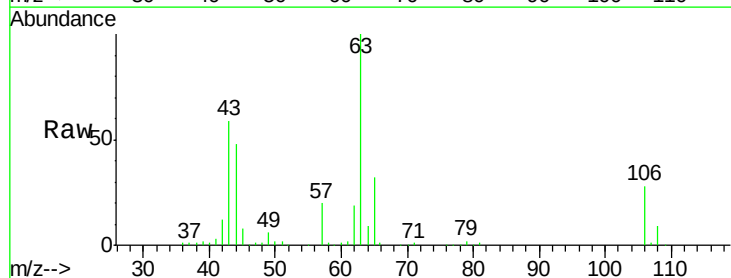
Manual Integrations
 APPROVED

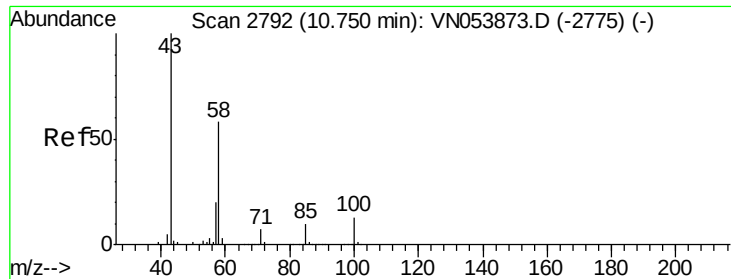
MMDadoda
 2/22/2019 10:30:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.579 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.2	33.2





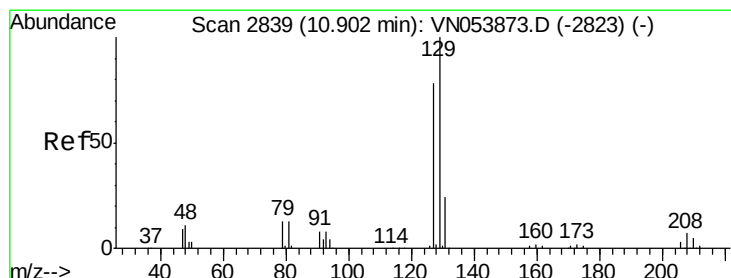
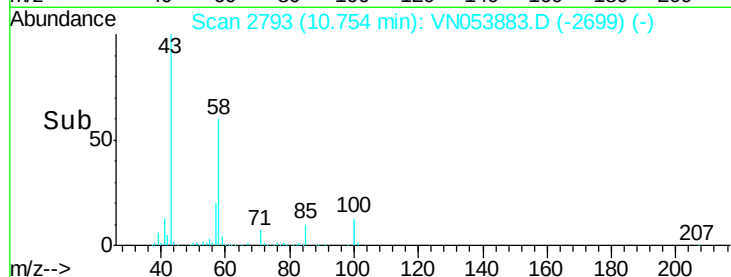
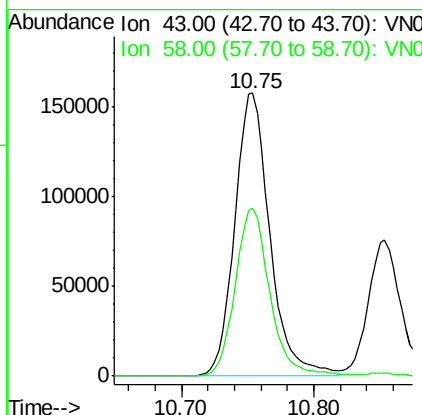
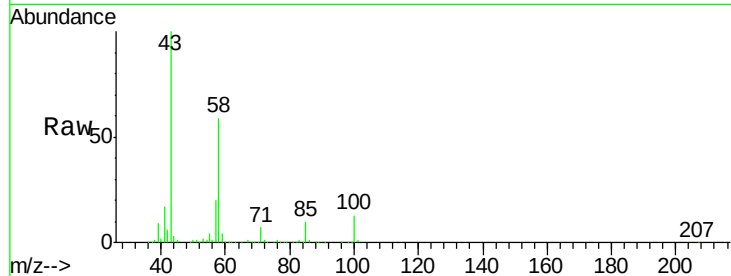
#59
2-Hexanone
Concen: 96.971 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.0	29.1	87.4

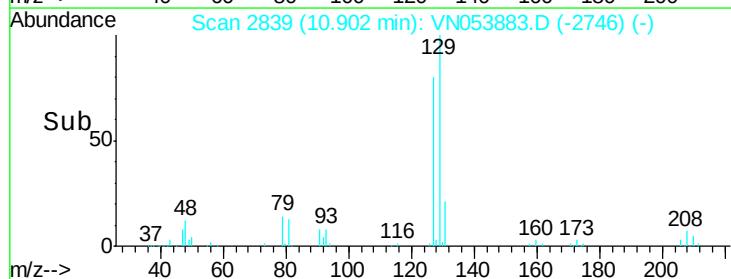
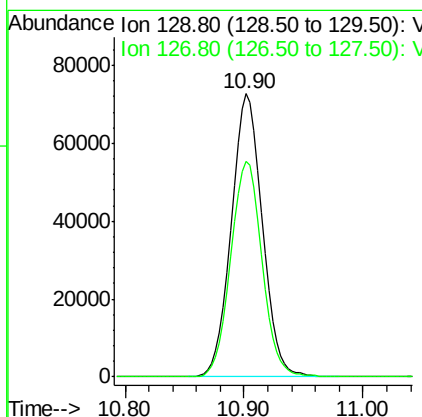
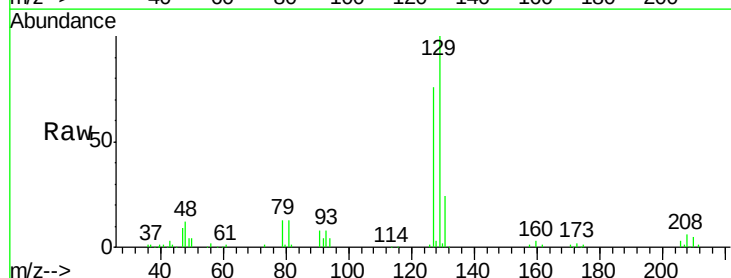
Manual Integrations
APPROVED

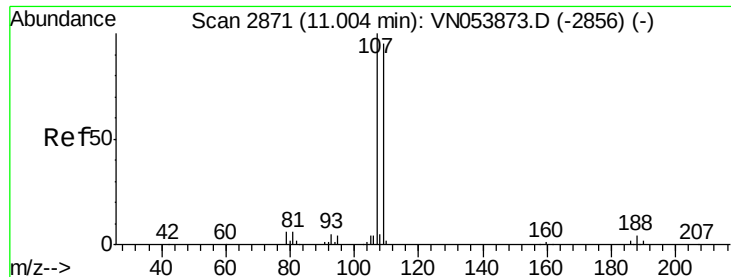
MMDadoda
2/22/2019 10:30:13 AM



#60
Dibromochloromethane
Concen: 19.799 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.8	116.3





#61

1,2-Dibromoethane

Concen: 19.734 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

Tot Ion:107 Resp: 111579

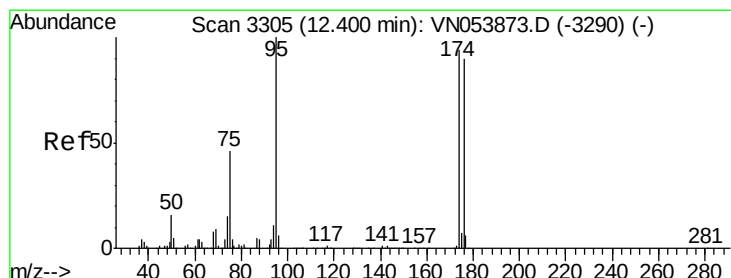
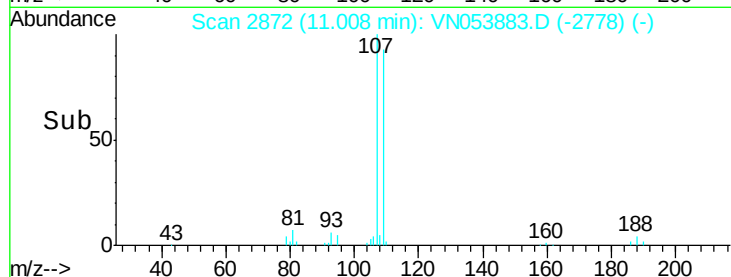
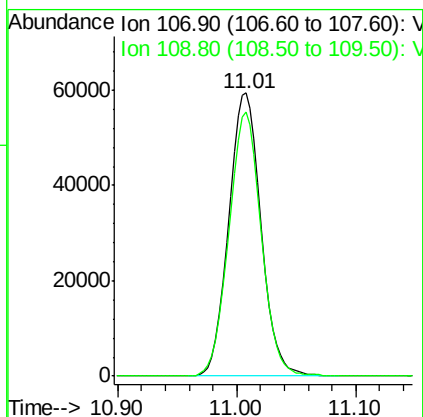
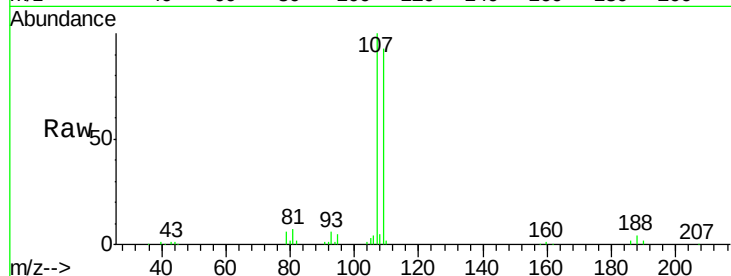
Ion Ratio Lower Upper

107 100

109 93.6 76.3 114.5

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.244 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

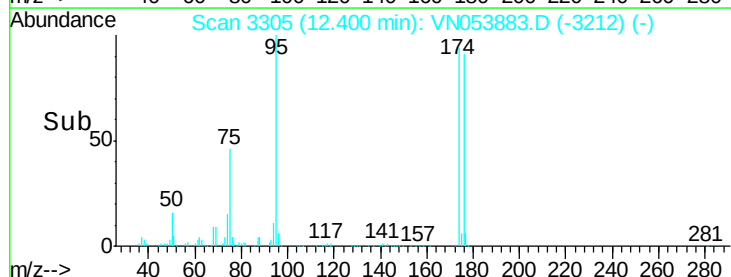
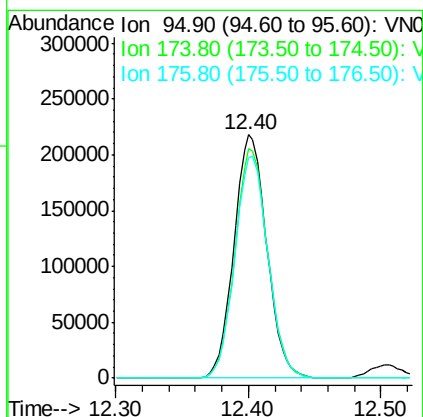
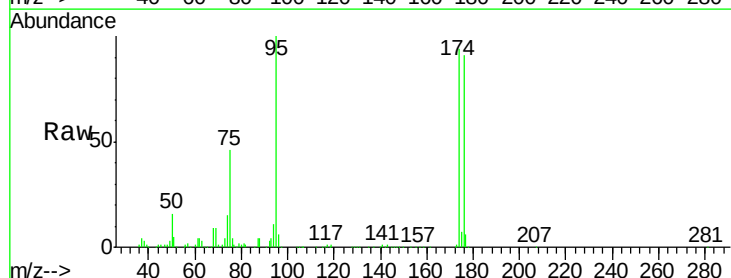
Tgt Ion: 95 Resp: 373602

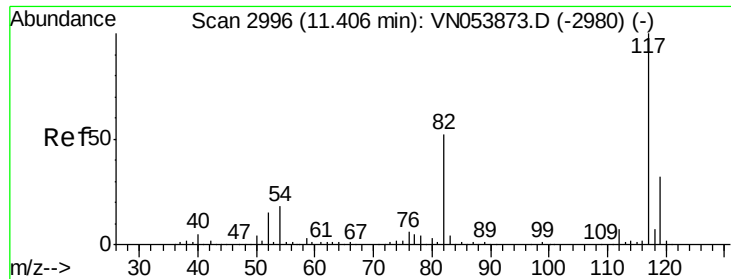
Ion Ratio Lower Upper

95 100

174 94.7 0.0 188.8

176 92.3 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

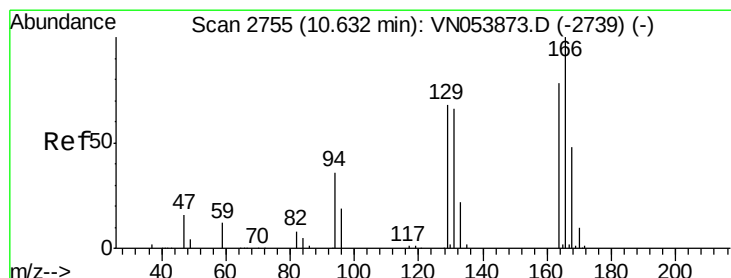
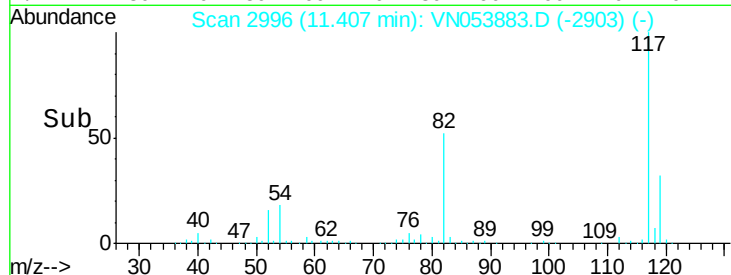
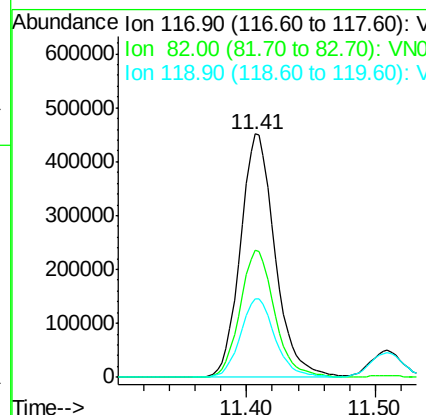
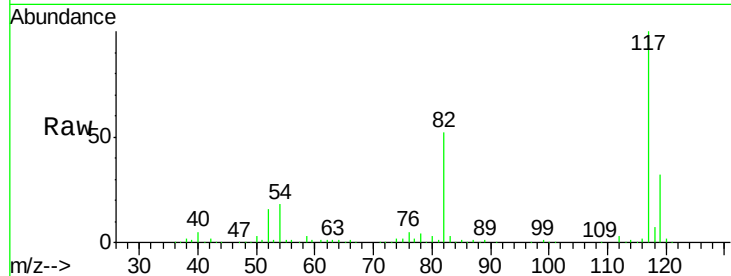
ClientSampleId :

VN0221WBSD01

Tot Ion:	117	Resp:	843976
Ion Ratio	Lower	Upper	
117	100		
82	52.1	41.4	62.2
119	32.4	25.3	37.9

Manual Integrations
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#64

Tetrachloroethene

Concen: 18.774 ug/l

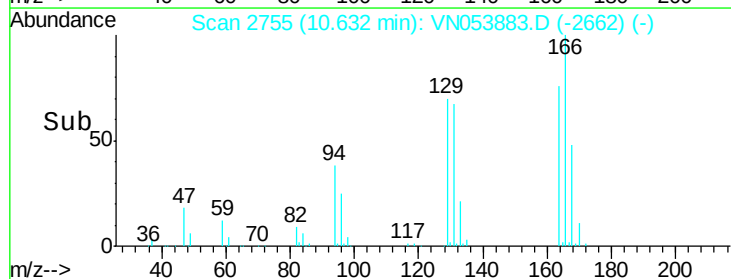
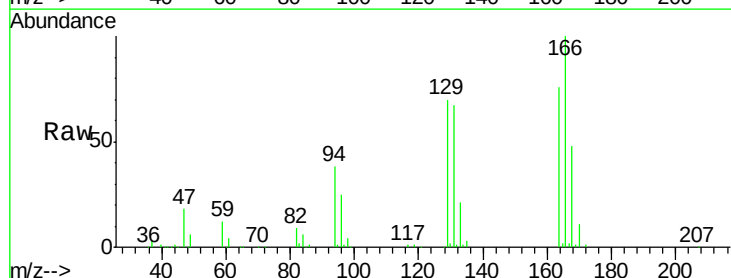
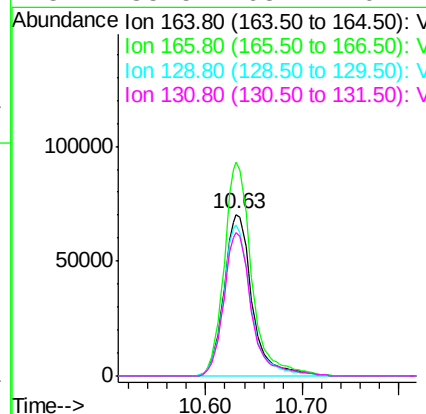
RT: 10.63 min Scan# 2755

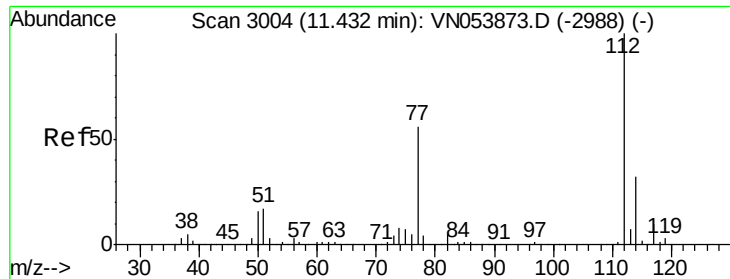
Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Tgt Ion:	164	Resp:	141684
Ion Ratio	Lower	Upper	
164	100		
166	132.2	102.6	153.8
129	93.2	69.4	104.0
131	88.5	68.1	102.1





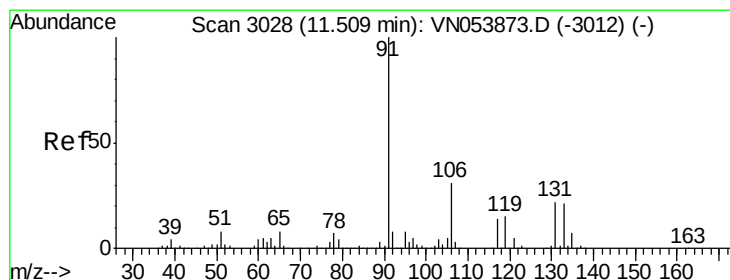
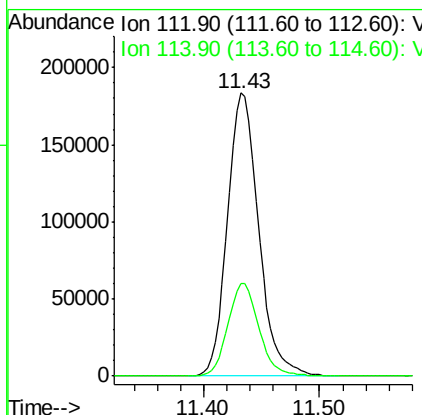
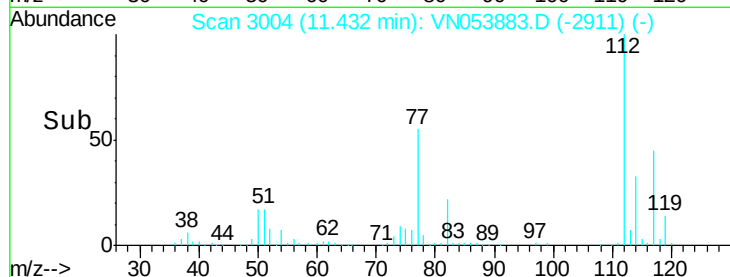
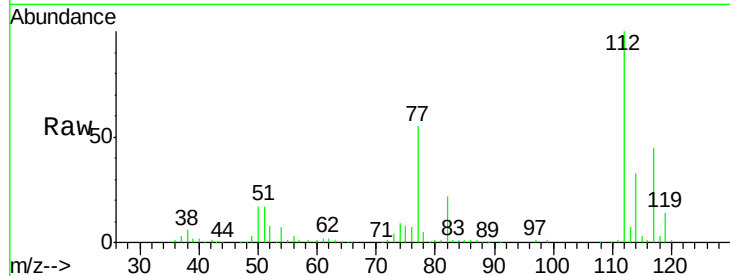
#65
Chlorobenzene
Concen: 19.323 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion:112 Resp: 341344
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5

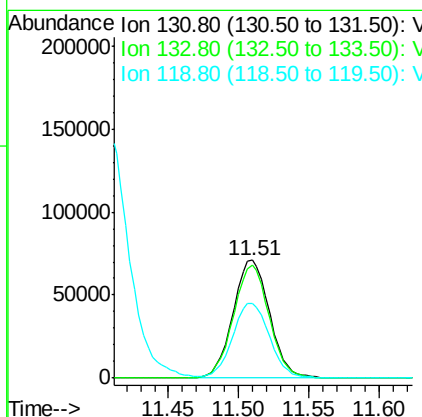
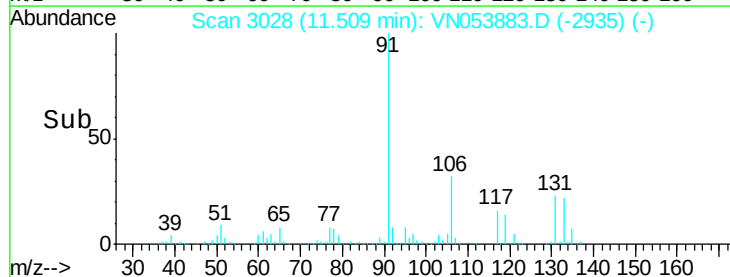
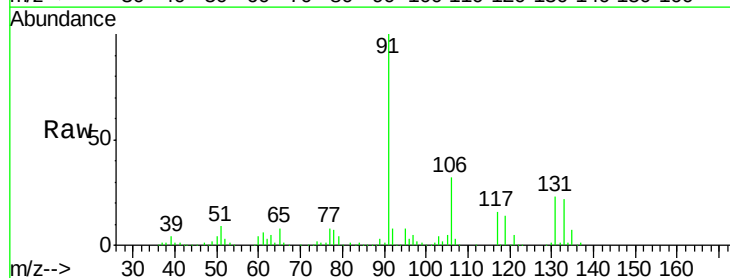
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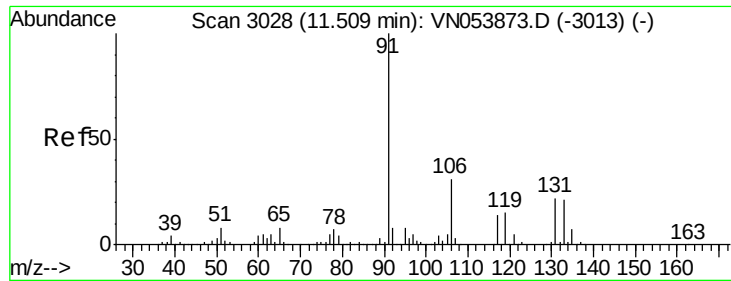
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.051 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion:131 Resp: 129261
Ion Ratio Lower Upper
131 100
133 93.8 47.7 143.1
119 64.2 33.1 99.3





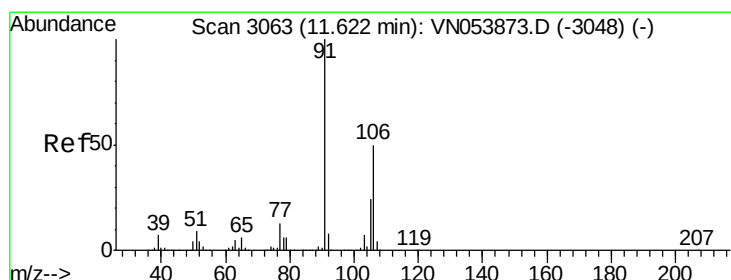
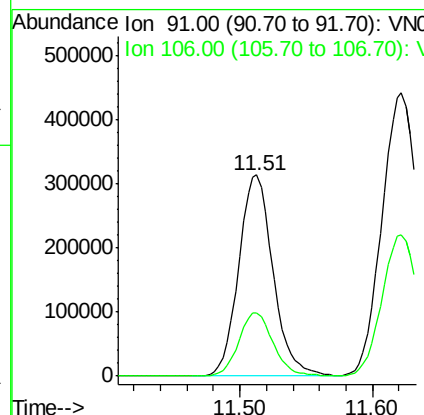
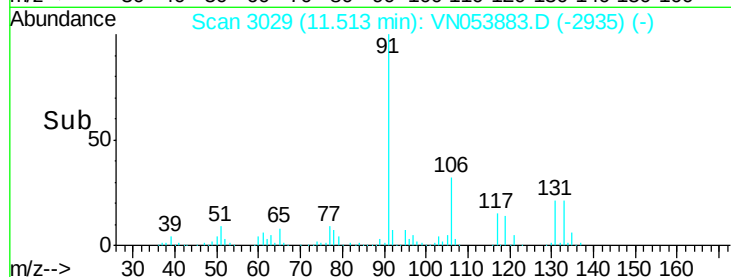
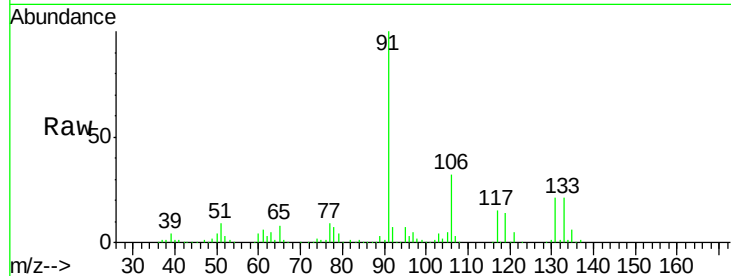
#67
Ethyl Benzene
Concen: 19.820 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion: 91 Resp: 566646
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

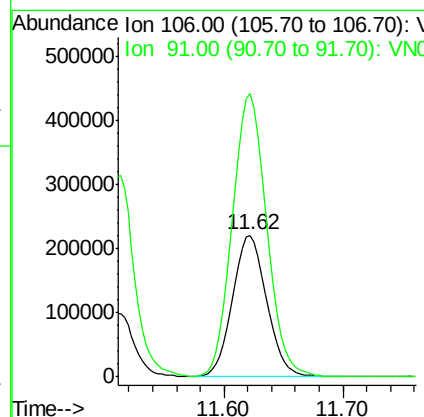
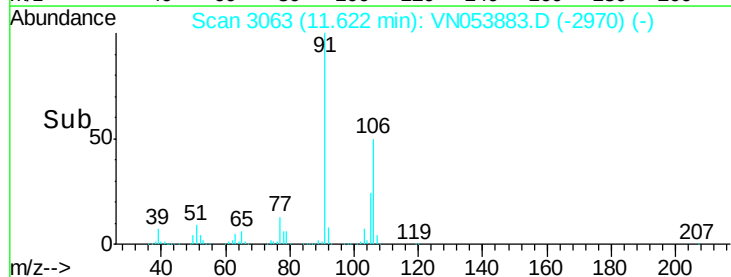
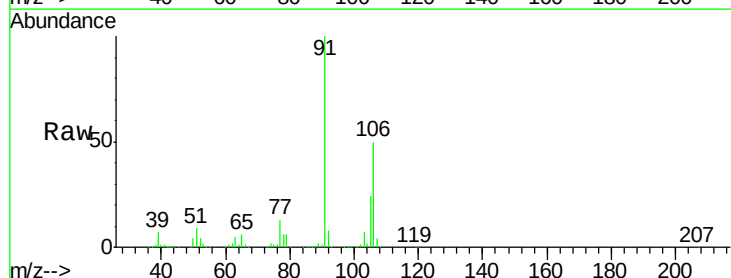
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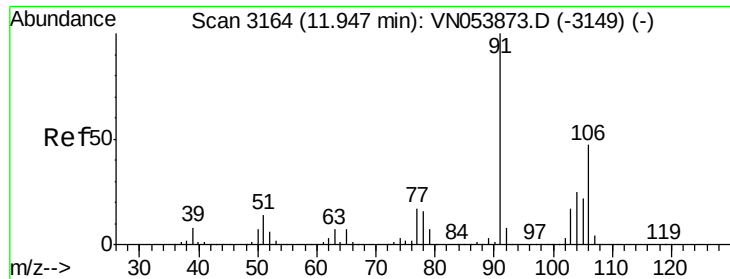
MMDadoda
2/22/2019 10:30:13 AM



#68
m/p-Xylenes
Concen: 39.864 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion: 106 Resp: 441285
Ion Ratio Lower Upper
106 100
91 200.5 158.9 238.3





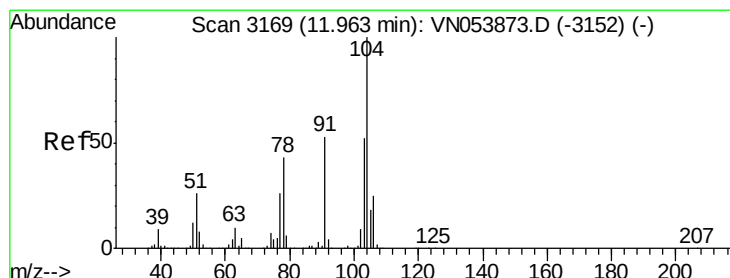
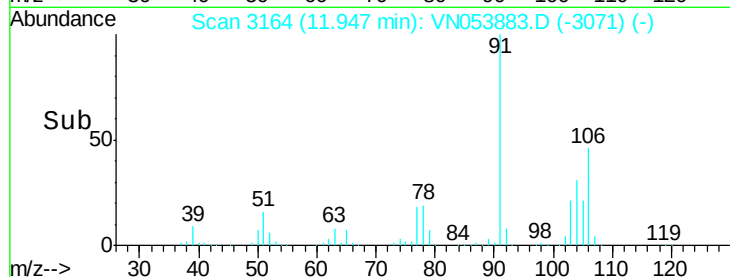
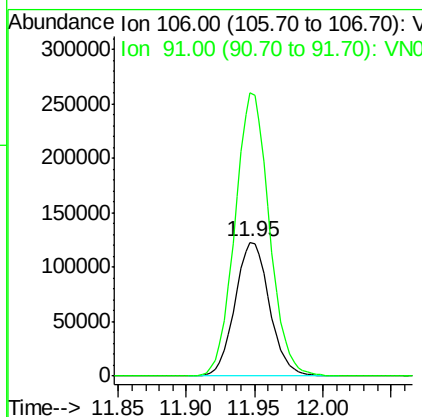
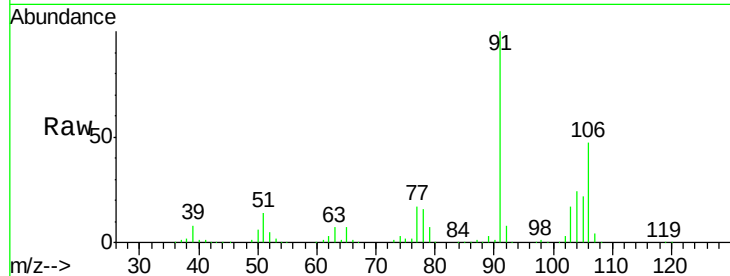
#69
o-Xylene
Concen: 20.245 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		215754		
91	210.8	106.0	318.0		

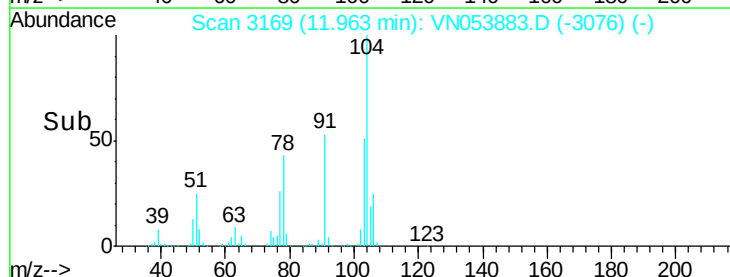
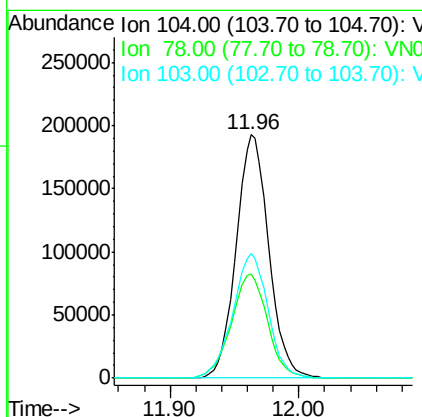
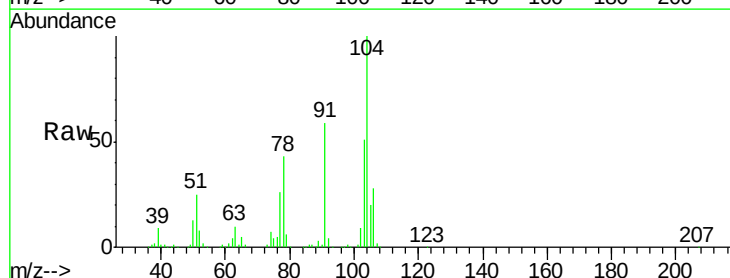
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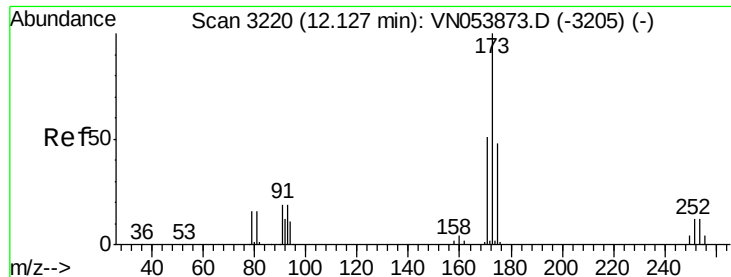
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#70
Styrene
Concen: 20.251 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		338672		
78	47.4	38.1	57.1		
103	55.2	44.6	67.0		





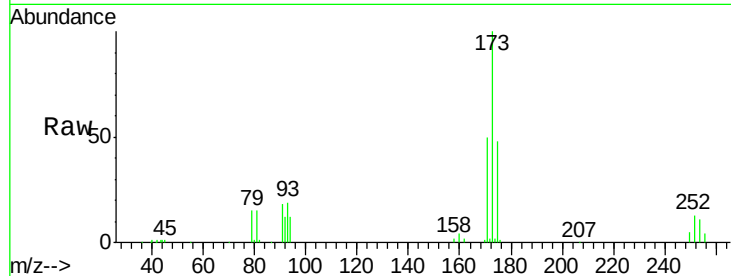
#71
Bromoform
Concen: 19.690 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

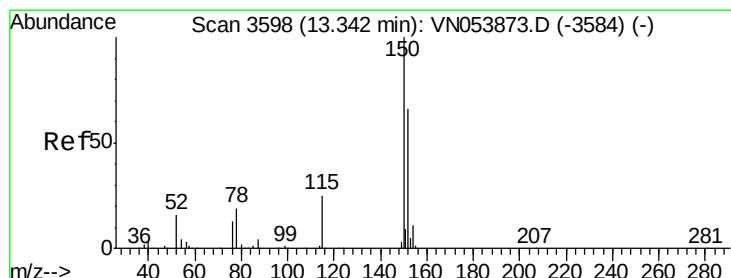
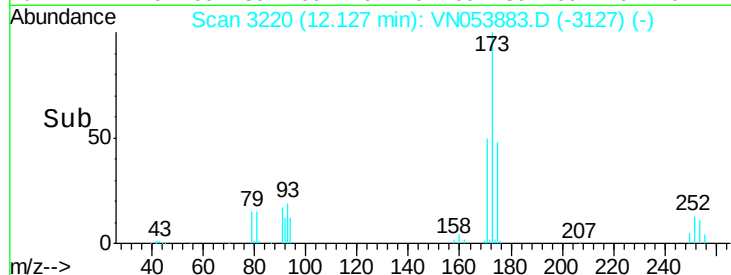
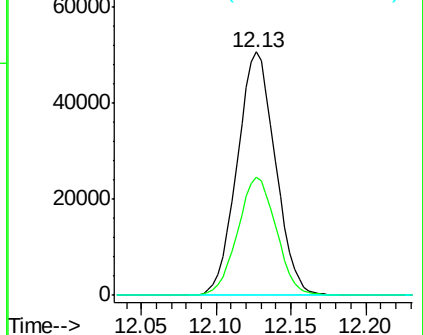
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.2	0.2

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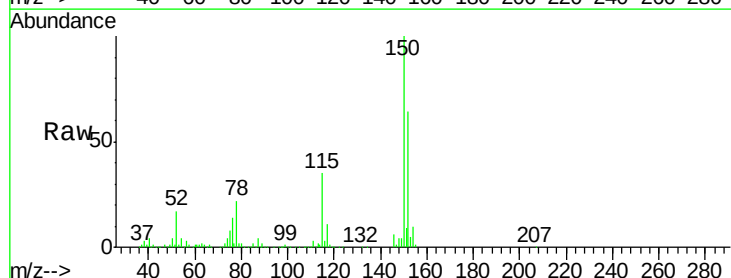


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

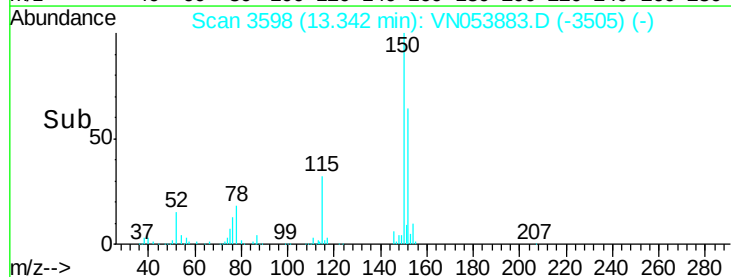
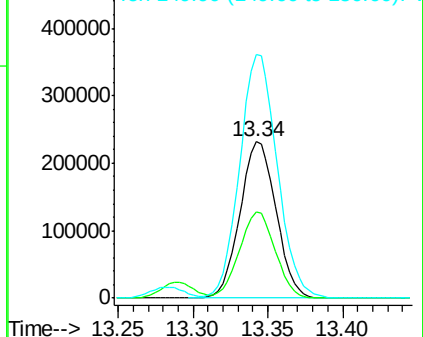


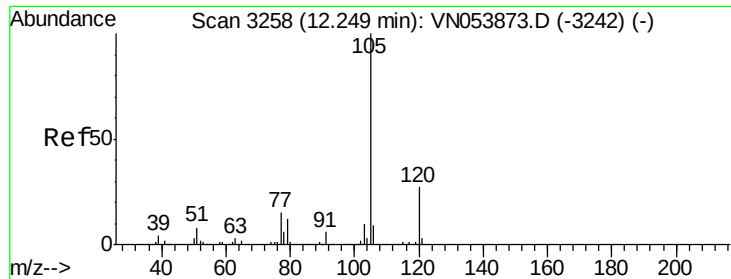
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.2	81.6
150	162.5	0.0	348.2



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





#73

Isopropylbenzene

Concen: 20.378 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

Tot Ion:105 Resp: 558640

Ion Ratio Lower Upper

105 100

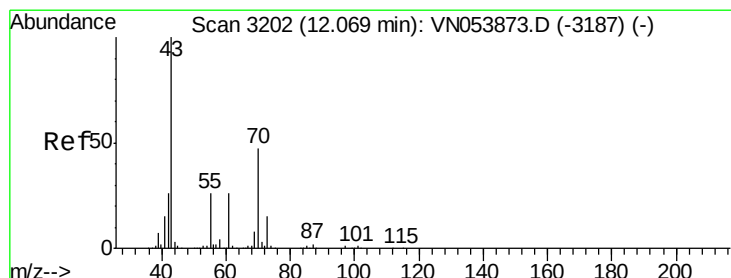
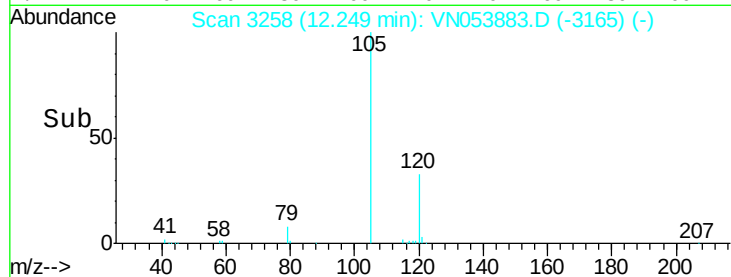
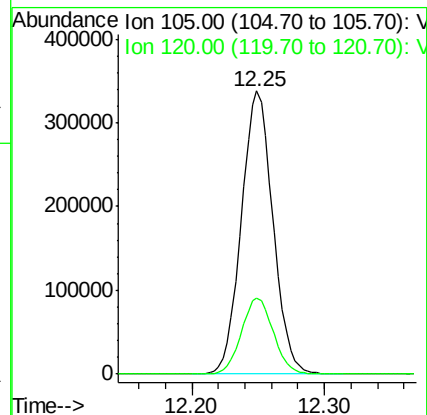
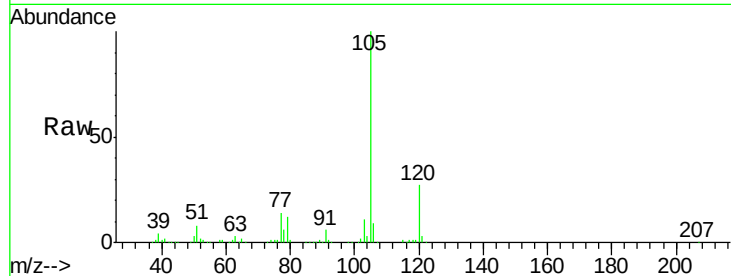
120 27.1 13.5 40.5

Manual Integrations

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2/22/2019 10:30:13 AM



#74

N-ethyl acetate

Concen: 20.110 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Tgt Ion: 43 Resp: 126602

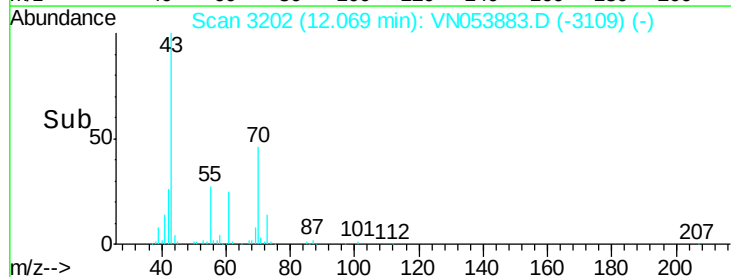
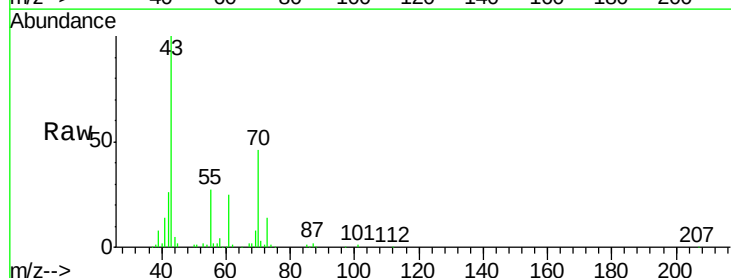
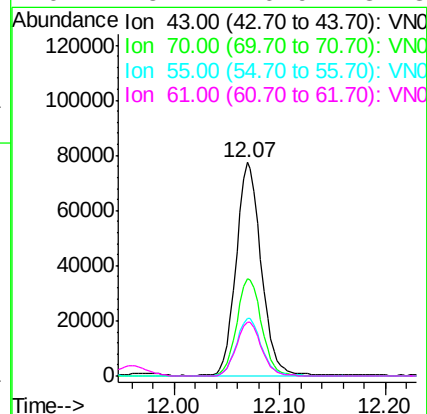
Ion Ratio Lower Upper

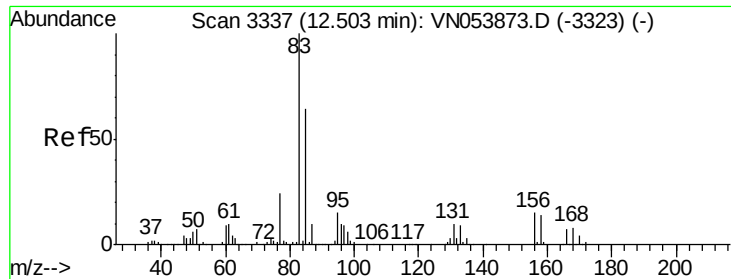
43 100

70 45.6 37.4 56.2

55 27.2 21.4 32.0

61 25.4 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.708 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

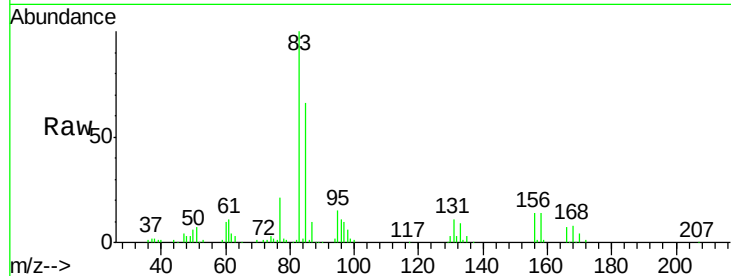
ClientSampleId :

VN0221WBSD01

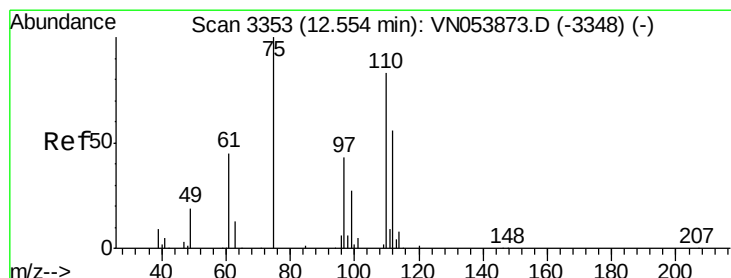
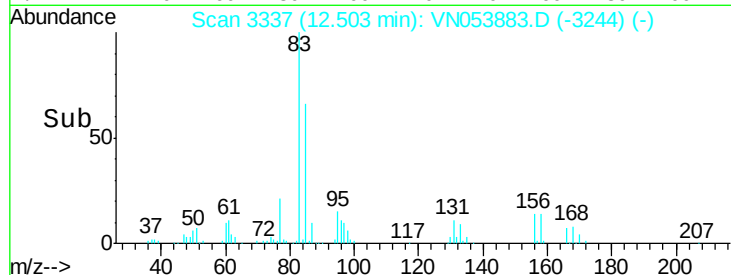
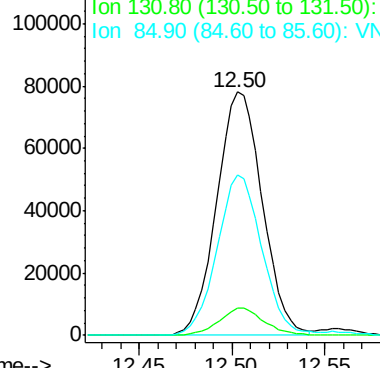
Tot Ion:	83	Resp:	134214
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	64.6	31.9	95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN053883.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 19.088 ug/l m

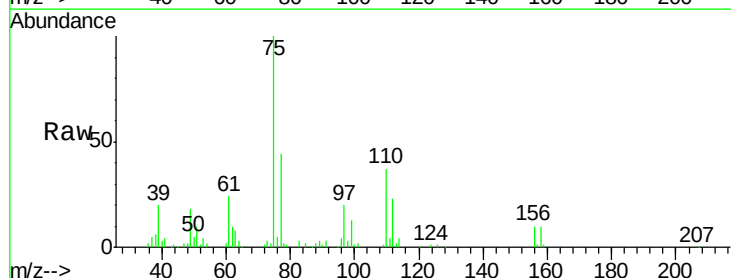
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

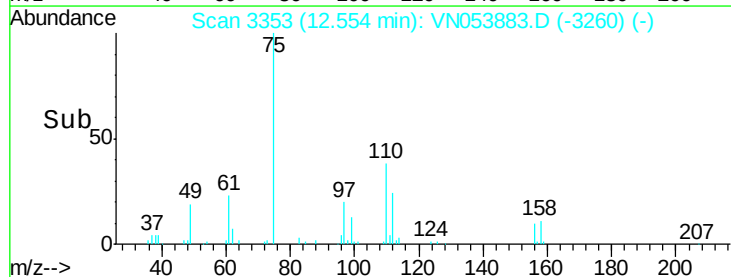
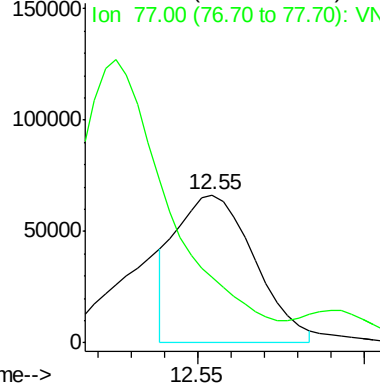
Lab File: VN053883.D

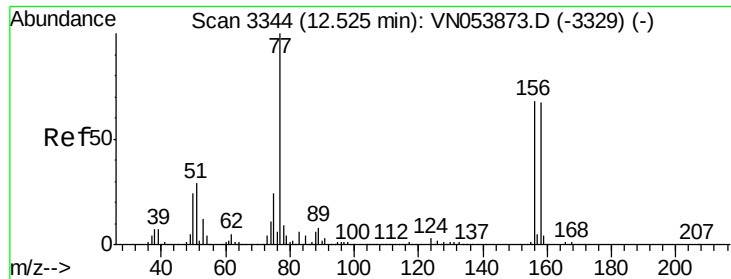
Acq: 21 Feb 2019 11:01

Tgt Ion:	75	Resp:	109043
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053883.D (-3260) (-)





#77

Bromobenzene

Concen: 20.392 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

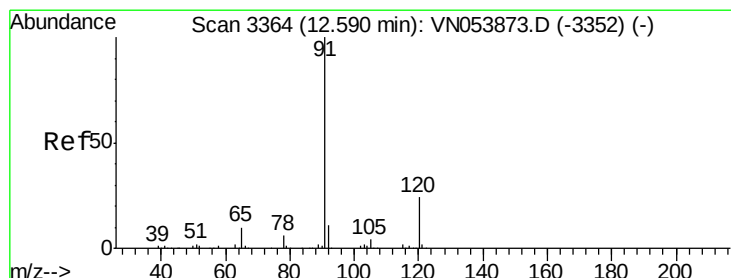
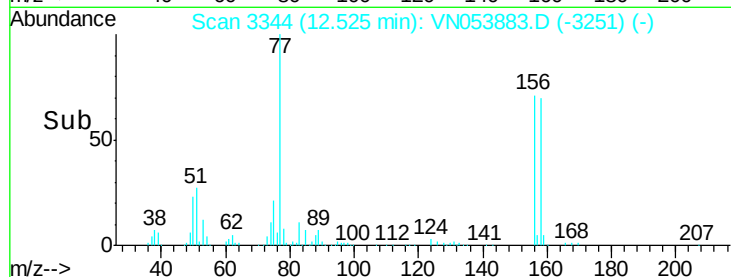
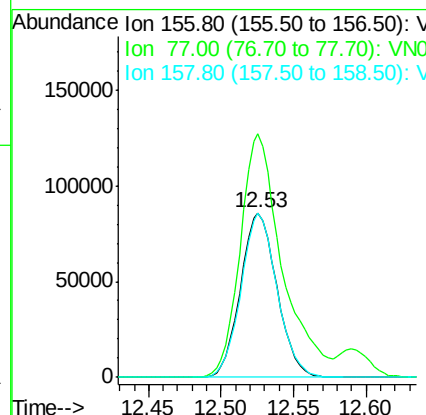
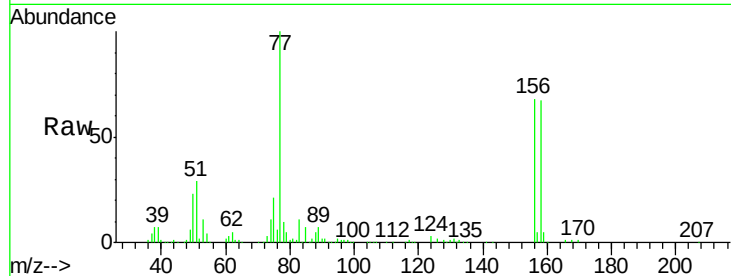
ClientSampleId :

VN0221WBSD01

Tot Ion:	156	Resp:	149963
Ion Ratio	Lower	Upper	
156	100		
77	170.7	84.0	252.2
158	98.6	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.795 ug/l

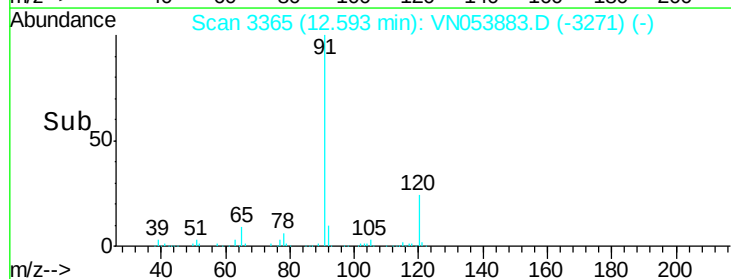
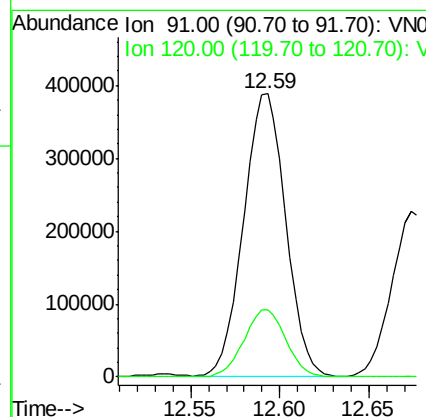
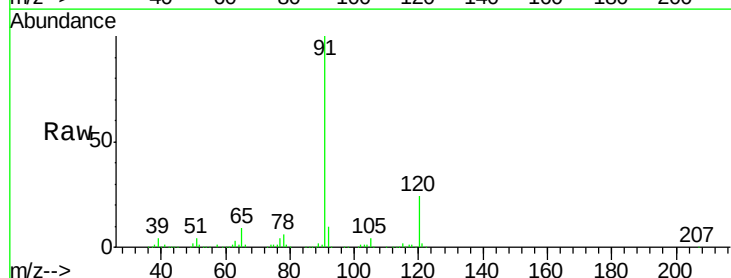
RT: 12.59 min Scan# 3365

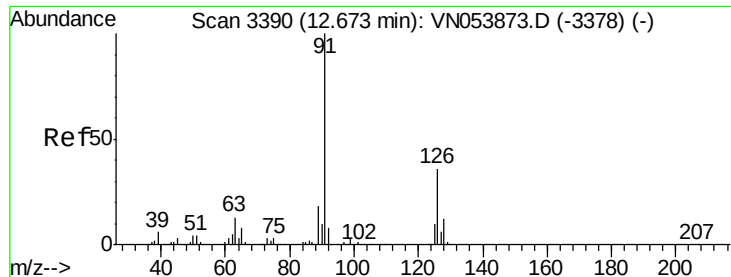
Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Tgt Ion:	91	Resp:	637497
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.505 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

Tot Ion: 91 Resp: 379030

Ion Ratio Lower Upper

91 100

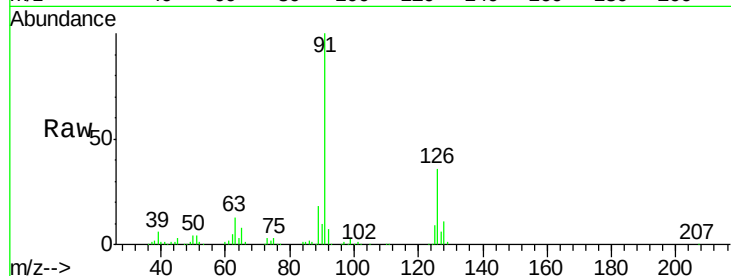
126 36.3 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN053873.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053873.D (-3378) (-)

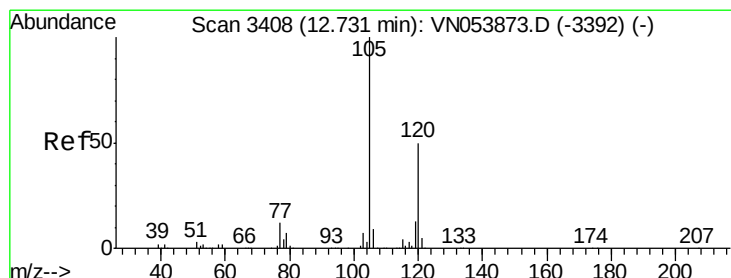
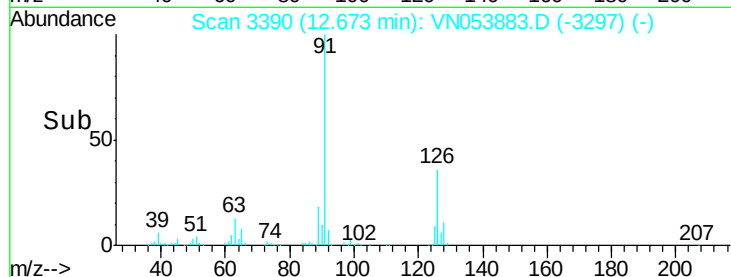
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.979 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053883.D

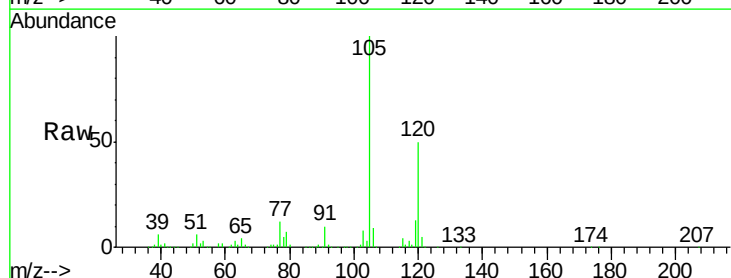
Acq: 21 Feb 2019 11:01

Tgt Ion: 105 Resp: 477396

Ion Ratio Lower Upper

105 100

120 49.8 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053873.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN053873.D (-3392) (-)

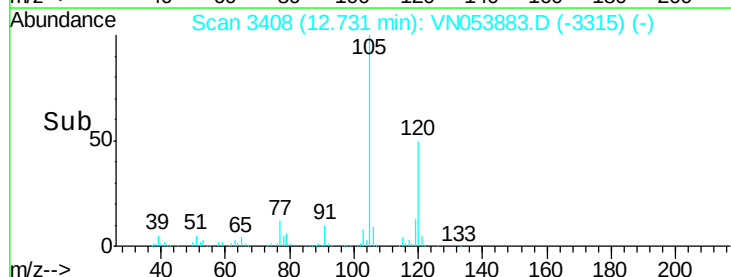
300000

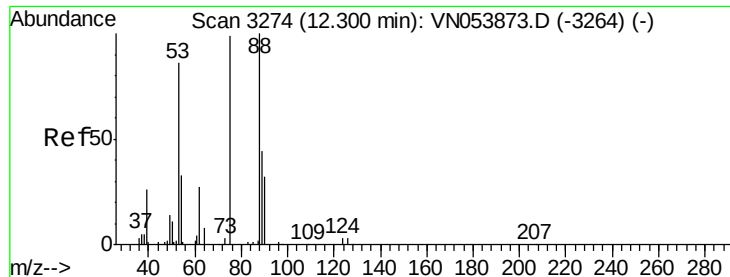
200000

100000

0

Time--> 12.65 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 19.309 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

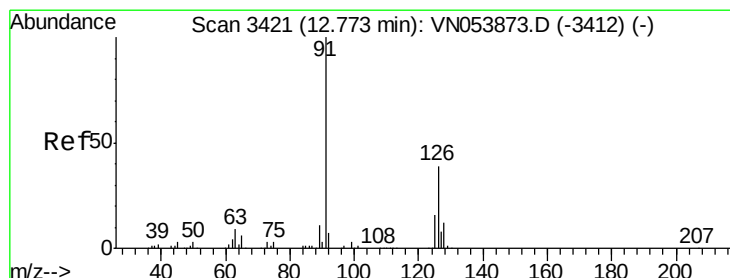
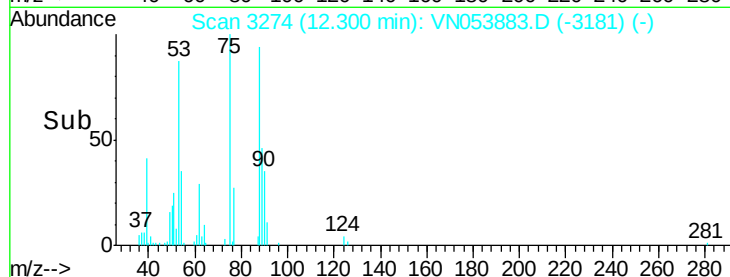
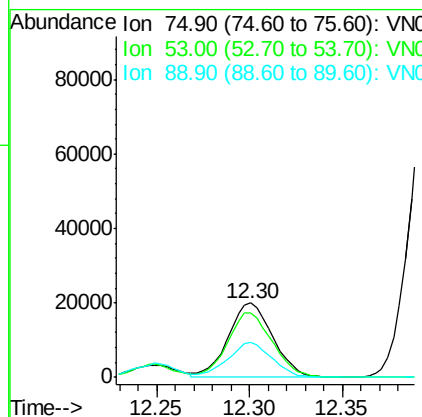
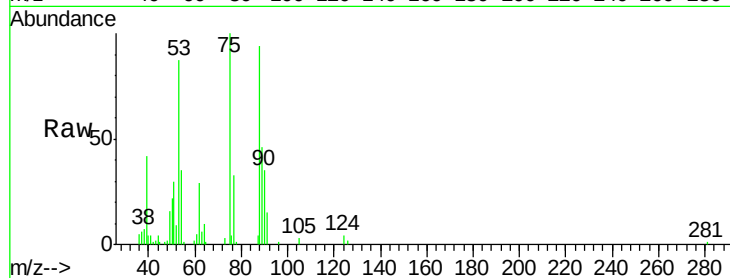
ClientSampleId :

VN0221WBSD01

Tot Ion:	75	Resp:	33412
Ion	Ratio	Lower	Upper
75	100		
53	85.3	68.6	102.8
89	46.0	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.392 ug/l

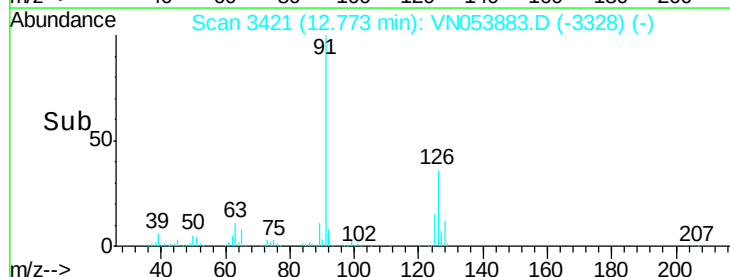
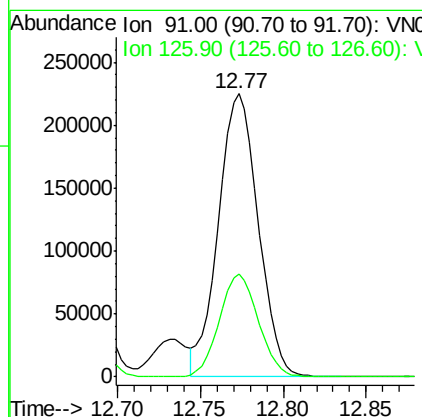
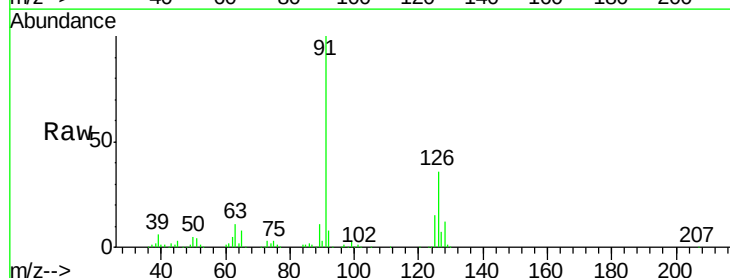
RT: 12.77 min Scan# 3421

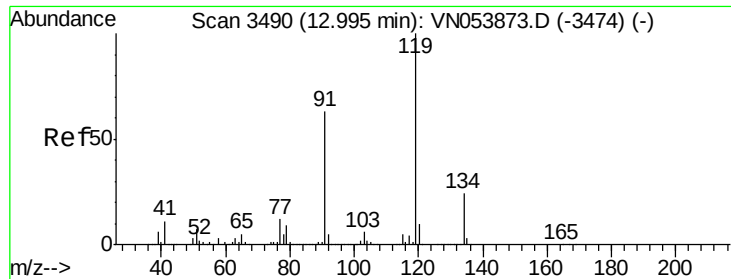
Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Tgt Ion:	91	Resp:	375526
Ion	Ratio	Lower	Upper
91	100		
126	35.5	18.0	54.0





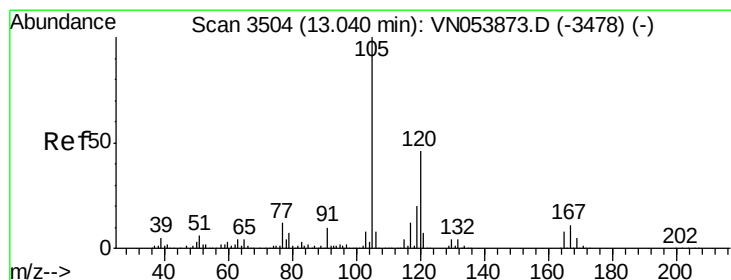
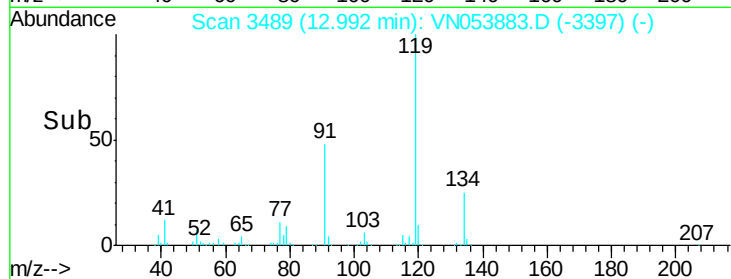
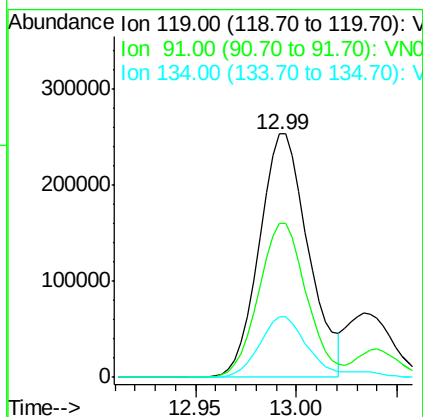
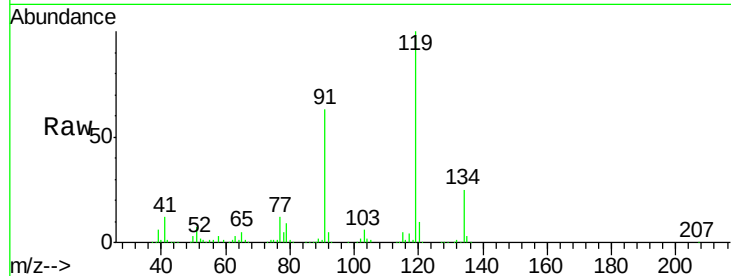
#83
 tert-Butylbenzene
 Concen: 21.004 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	429180		
91	62.1		30.6	91.8
134	25.7		13.0	39.0

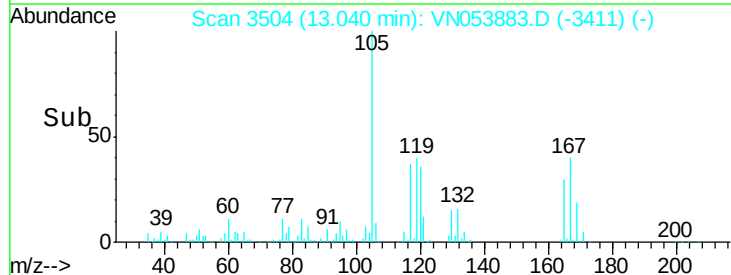
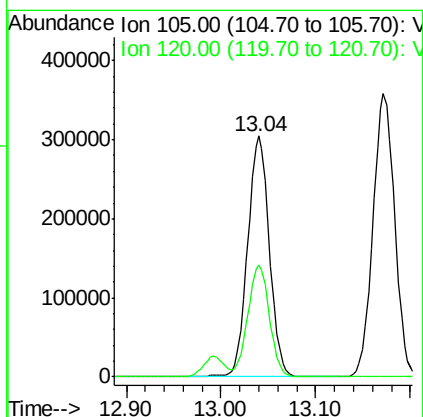
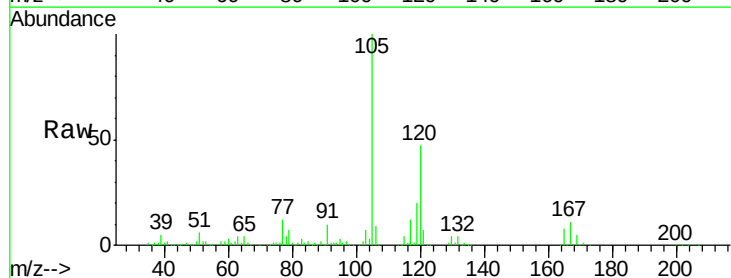
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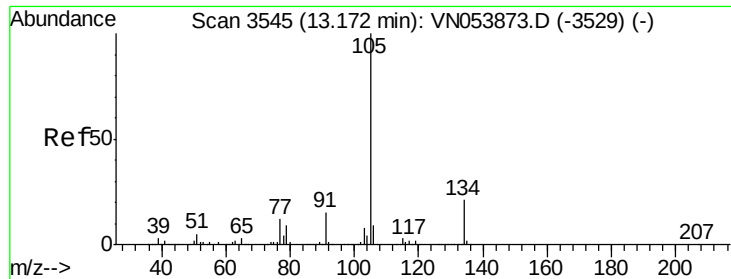
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.186 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	483524		
120	46.5		23.2	69.5





#85

sec-Butylbenzene

Concen: 20.640 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

Tot Ion:105 Resp: 567834

Ion Ratio Lower Upper

105 100

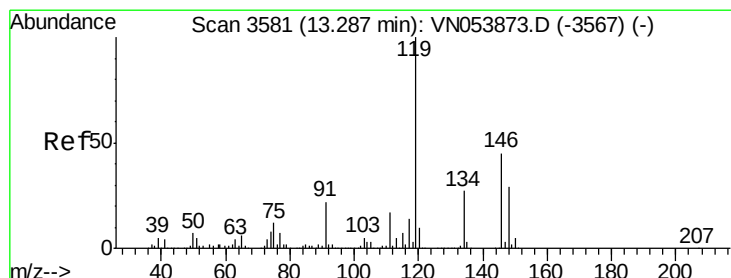
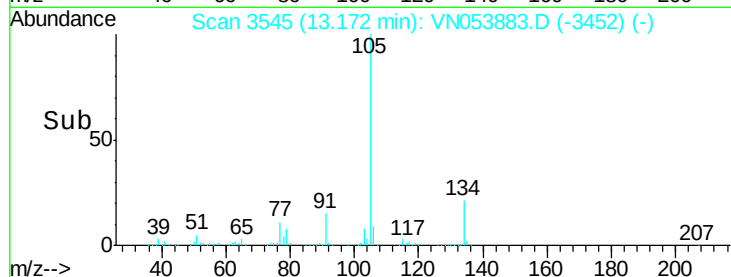
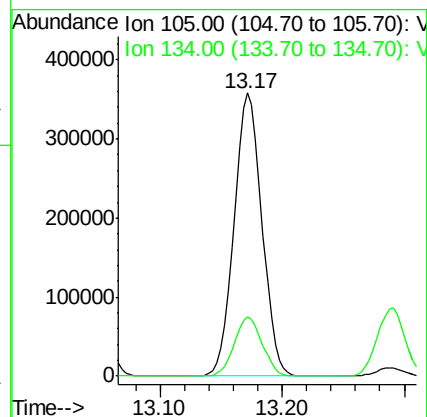
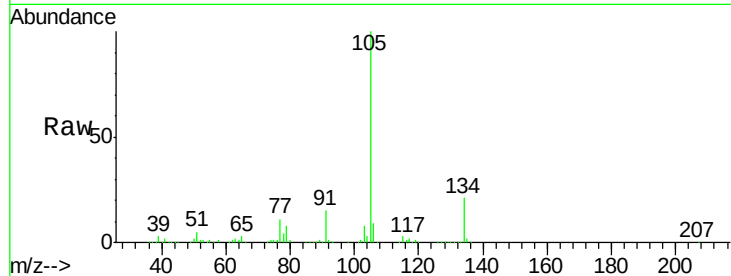
134 20.9 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.845 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

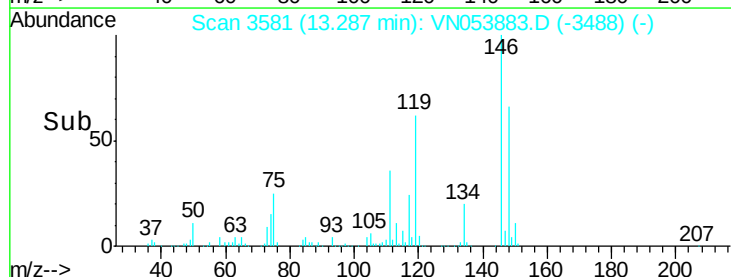
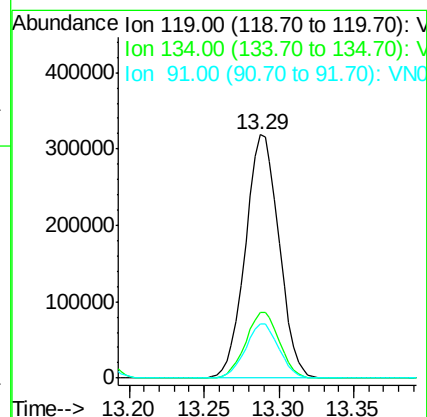
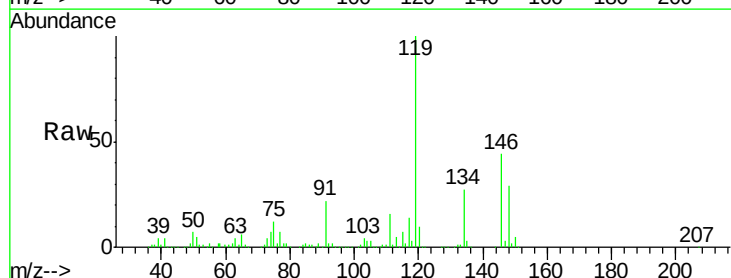
Tgt Ion:119 Resp: 497704

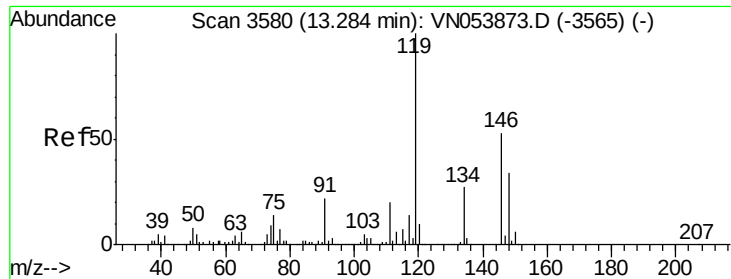
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 22.1 10.9 32.6





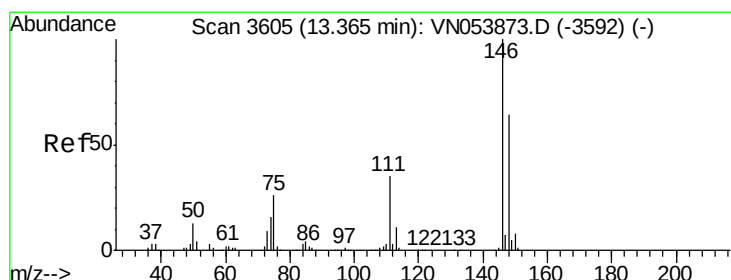
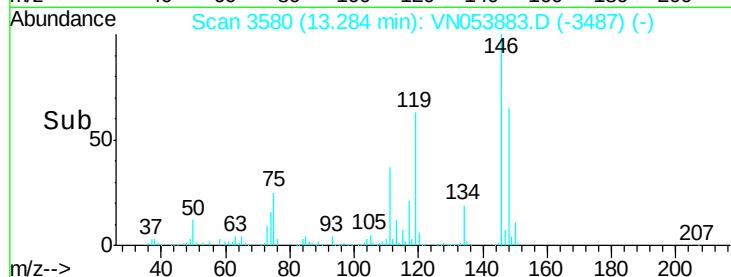
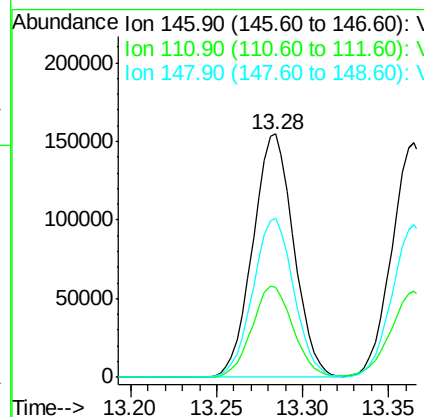
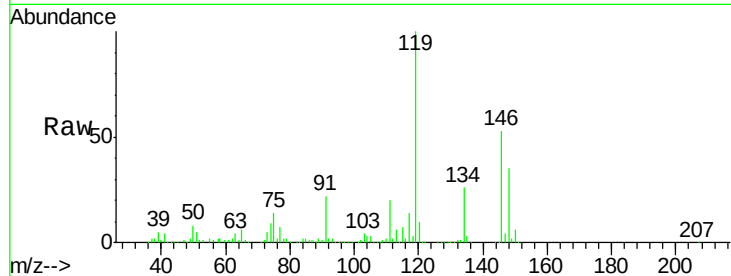
#87
 1,3-Dichlorobenzene
 Concen: 19.876 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	255074		
111	37.5	18.7	56.1	
148	65.3	32.0	96.2	

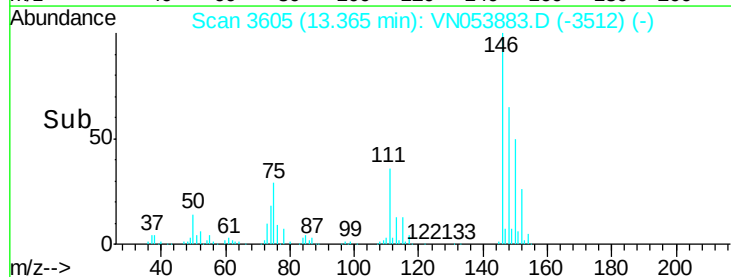
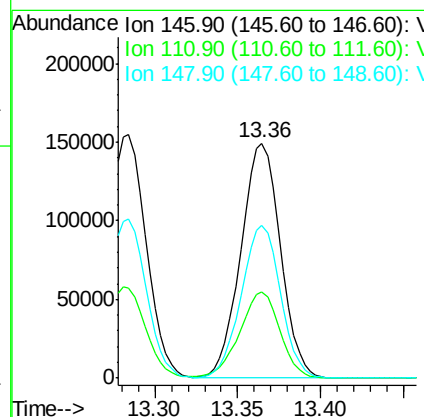
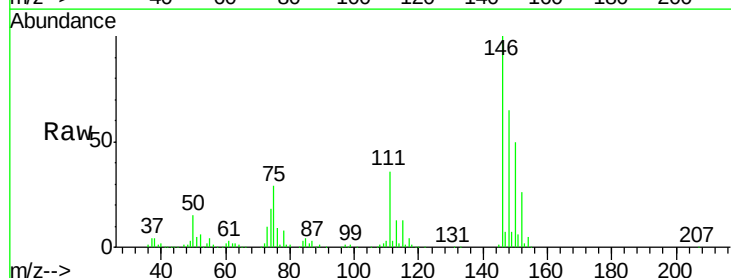
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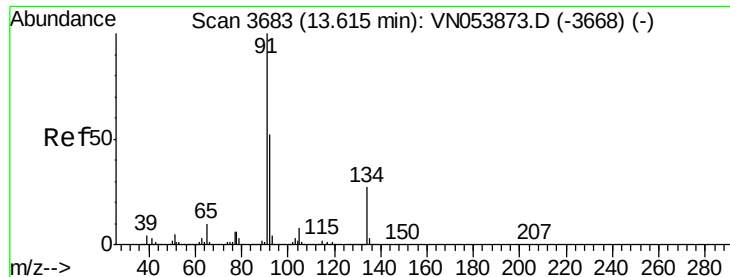
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#88
 1,4-Dichlorobenzene
 Concen: 19.213 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	248077		
111	37.4	18.0	54.0	
148	64.7	32.1	96.5	





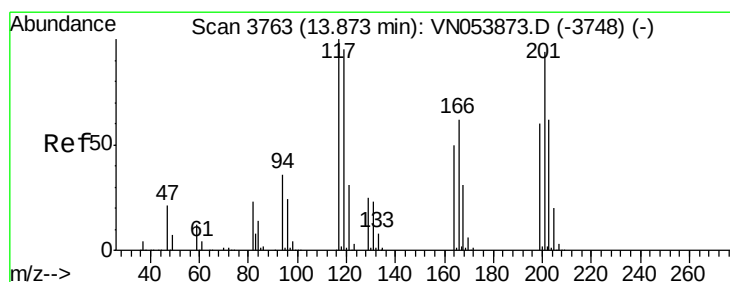
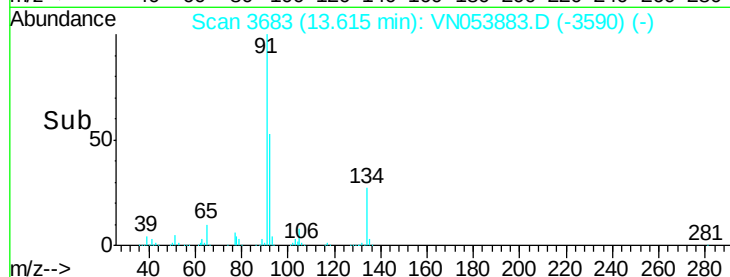
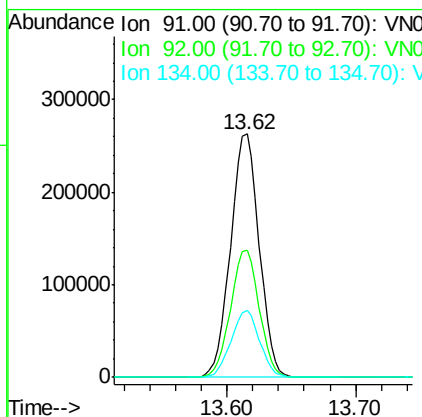
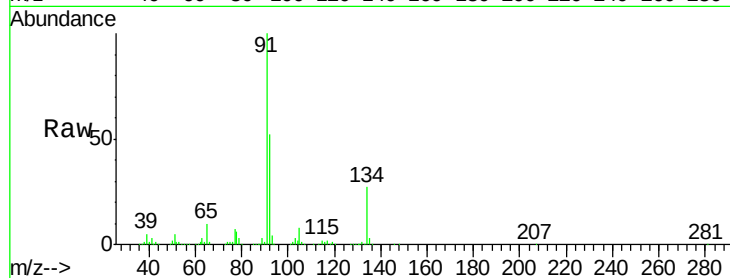
#89
n-Butylbenzene
Concen: 20.589 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampled :
VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.2
134	27.4	13.6	40.8

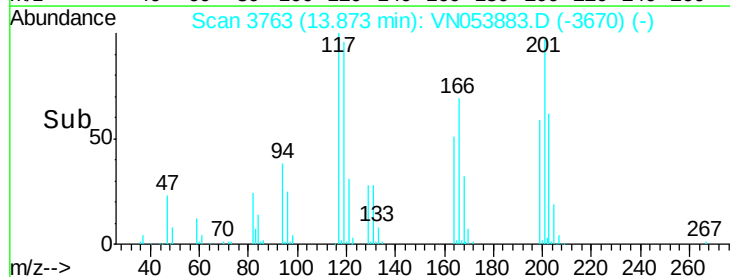
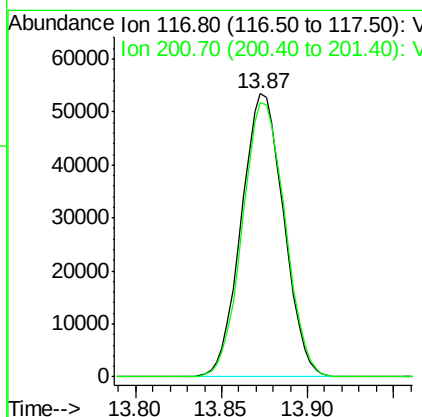
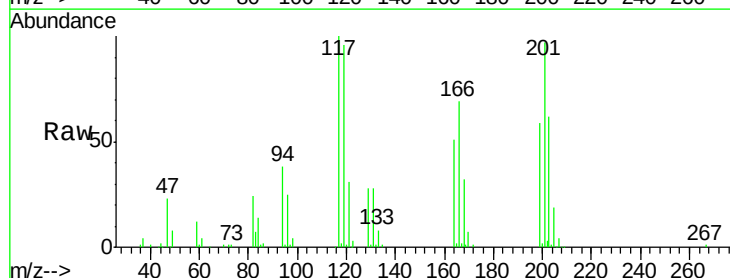
Manual Integrations
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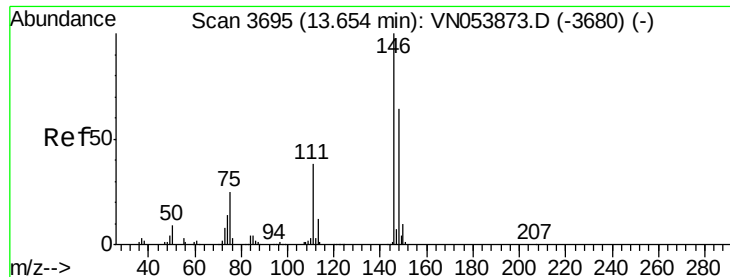
MMDadoda
2/22/2019 10:30:13 AM



#90
Hexachloroethane
Concen: 19.973 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.6	48.0	144.2





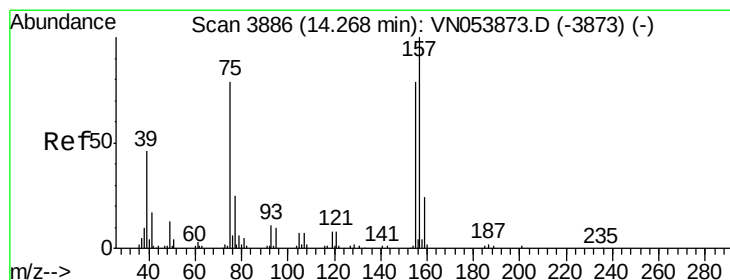
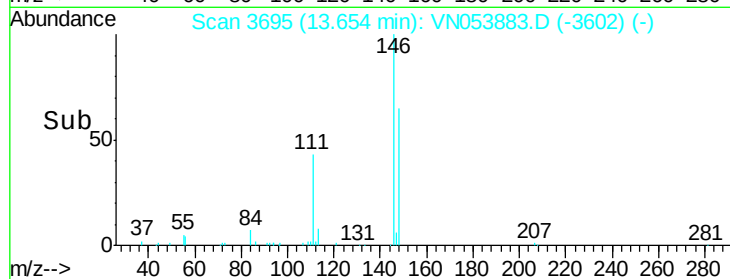
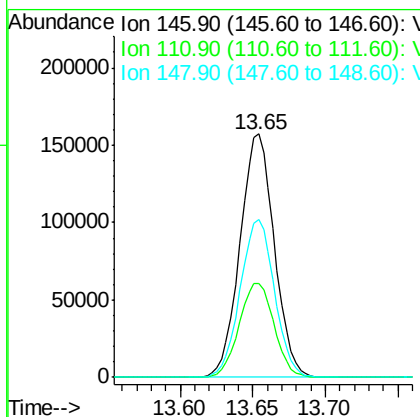
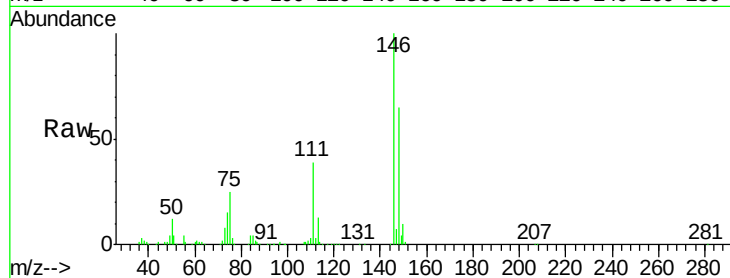
#91
 1,2-Dichlorobenzene
 Concen: 20.529 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.5
148	64.9	32.1	96.5

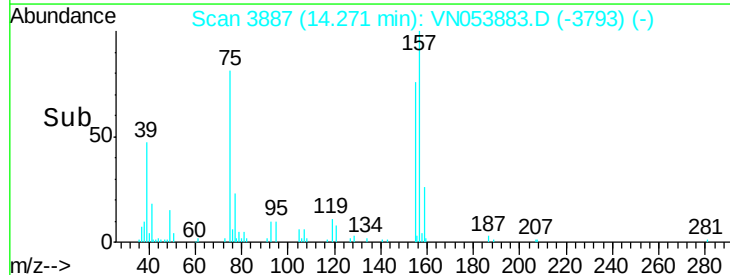
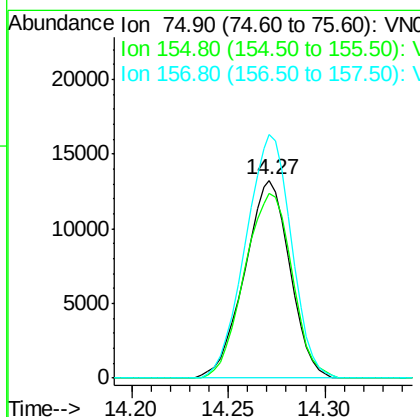
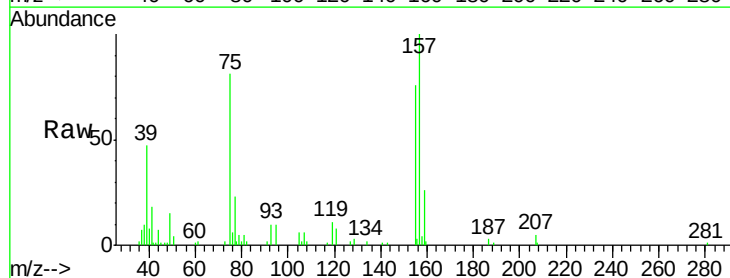
Manual Integrations
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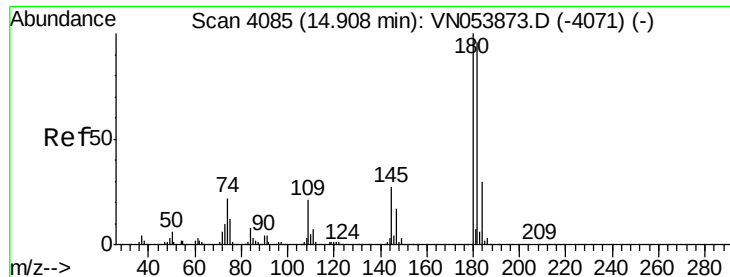
MMDadoda
 2/22/2019 10:30:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.859 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	49.5	148.5
157	124.4	64.8	194.6





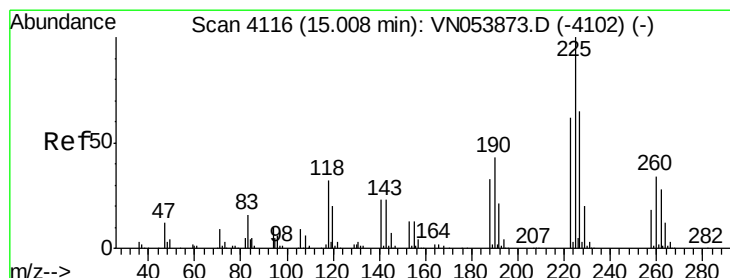
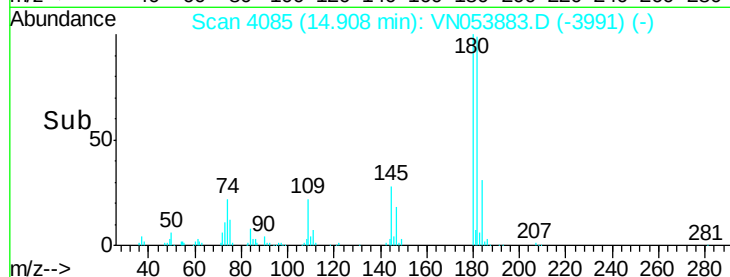
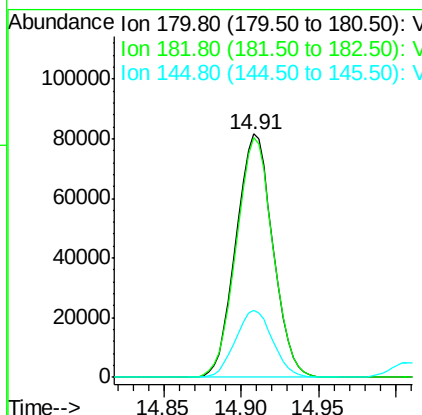
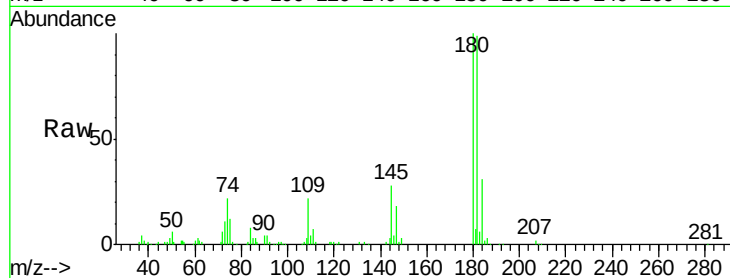
#93
 1,2,4-Trichlorobenzene
 Concen: 19.579 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.6	145.9
145	27.8	13.8	41.3

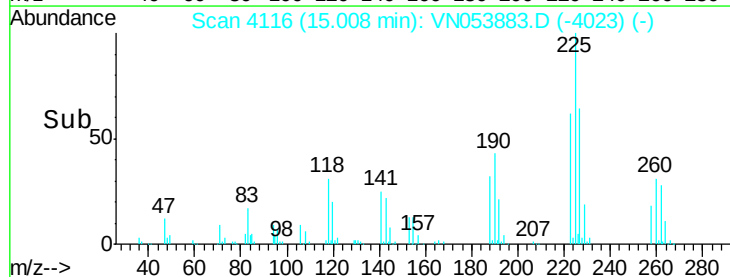
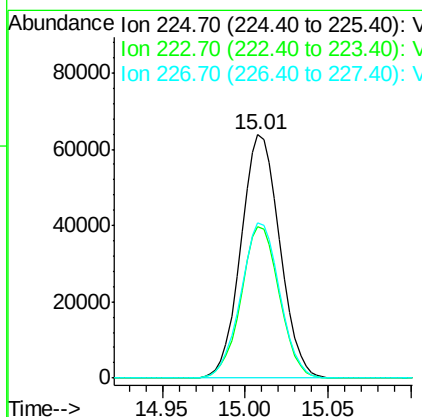
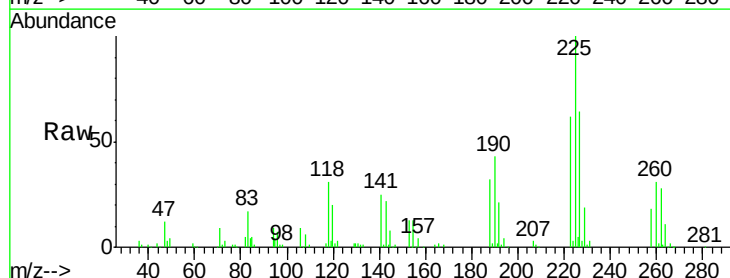
Manual Integrations
 APPROVED

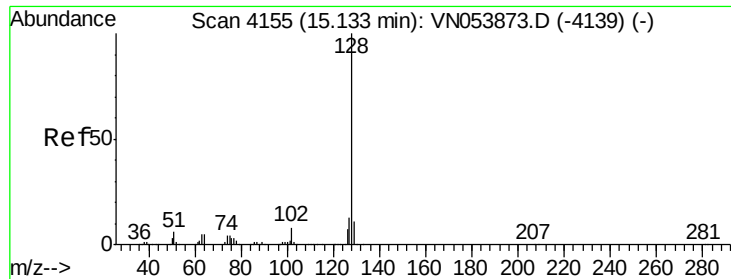
MMDadoda
 2/22/2019 10:30:13 AM



#94
 Hexachlorobutadiene
 Concen: 19.808 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	30.9	92.5
227	63.6	32.5	97.4





#95

Naphthalene

Concen: 20.063 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

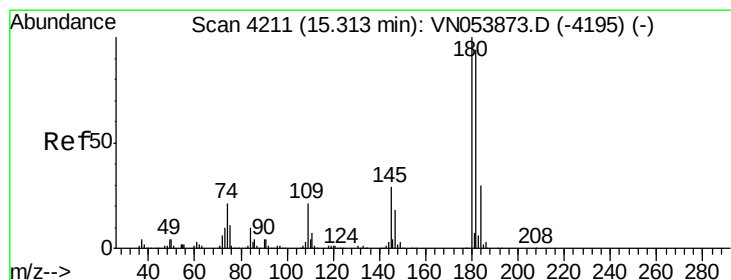
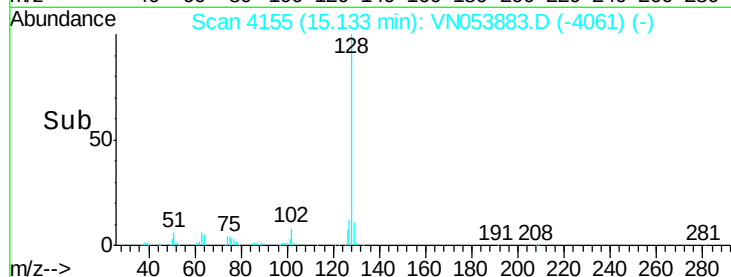
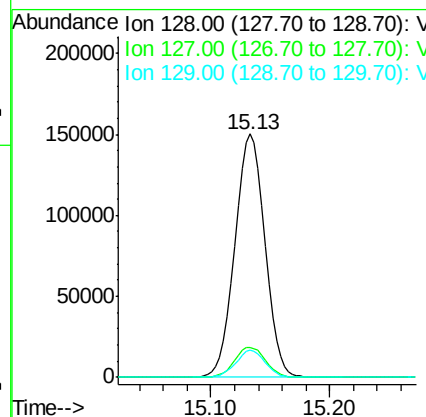
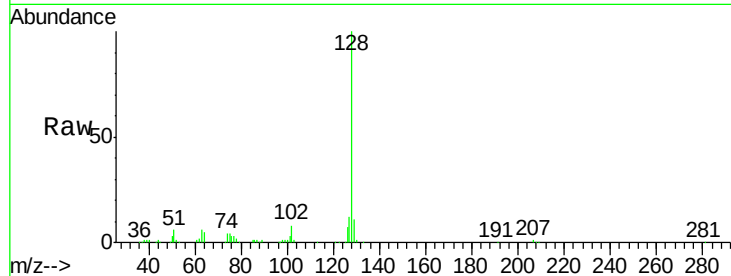
ClientSampleId :

VN0221WBSD01

Tot Ion:	128	Resp:	262806
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/22/2019 10:30:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.661 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Tgt Ion:	180	Resp:	138038
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.3	141.8
145	29.2	14.4	43.0

