

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053322.D
 Acq On : 9 Jan 2019 11:13
 Operator : MD\SY
 Sample : VN0109WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:25:24 AM

Quant Time: Jan 10 03:32:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	975155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1495876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1341436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	616419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	499112	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.59	113	424844	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	10.09	98	1805165	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.40	95	632718	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	173578	20.191	ug/l	97
3) Chloromethane	2.06	50	230829	19.227	ug/l	99
4) Vinyl Chloride	2.19	62	225728	19.699	ug/l	100
5) Bromomethane	2.57	94	151958	20.294	ug/l	100
6) Chloroethane	2.71	64	137354	19.859	ug/l	100
7) Trichlorofluoromethane	3.02	101	297689	20.057	ug/l	100
8) Diethyl Ether	3.41	74	117416	20.183	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	185789	19.751	ug/l	99
10) Methyl Iodide	3.96	142	278560	21.126	ug/l	99
11) Tert butyl alcohol	4.77	59	60623	99.347	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	181522	19.950	ug/l	98
13) Acrolein	3.61	56	72770	94.846	ug/l	99
14) Allyl chloride	4.33	41	298530	20.357	ug/l	97
15) Acrylonitrile	4.99	53	363670	99.835	ug/l	98
16) Acetone	3.82	43	262046	106.035	ug/l	99
17) Carbon Disulfide	4.06	76	534999	19.072	ug/l	100
18) Methyl Acetate	4.33	43	173787	18.927	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	519640	20.349	ug/l	98
20) Methylene Chloride	4.55	84	209346	19.213	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	194349	19.893	ug/l	99
22) Diisopropyl ether	5.95	45	633618	20.056	ug/l	98
23) Vinyl Acetate	5.90	43	2006933	100.960	ug/l	100
24) 1,1-Dichloroethane	5.85	63	364683	20.014	ug/l	100
25) 2-Butanone	6.84	43	409867	98.474	ug/l	100
26) 2,2-Dichloropropane	6.83	77	265577	19.939	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	222149	19.912	ug/l	98
28) Bromochloromethane	7.20	49	170186	21.918	ug/l	100
29) Tetrahydrofuran	7.21	42	274550	99.957	ug/l	99
30) Chloroform	7.37	83	357891	19.955	ug/l	99
31) Cyclohexane	7.66	56	339889	19.511	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	297334	19.895	ug/l	100
36) 1,1-Dichloropropene	7.80	75	275831	19.752	ug/l	99
37) Ethyl Acetate	6.93	43	181880	19.995	ug/l	99
38) Carbon Tetrachloride	7.78	117	255988	19.860	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	309011	19.100	ug/l	99
40) Benzene	8.04	78	844760	19.803	ug/l	100
41) Methacrylonitrile	7.18	41	109940	19.468	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	251145	19.848	ug/l	100
43) Isopropyl Acetate	8.16	43	322591	18.027	ug/l	99
44) Trichloroethene	8.84	130	229682	19.609	ug/l	99
45) 1,2-Dichloropropane	9.12	63	221742	19.819	ug/l	99
46) Dibromomethane	9.21	93	130940	20.072	ug/l	100
47) Bromodichloromethane	9.40	83	268781	19.771	ug/l	99
48) Methyl methacrylate	9.20	41	160268	19.714	ug/l	99
49) 1,4-Dioxane	9.20	88	35295	407.487	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	914598	101.635	ug/l	100
52) Toluene	10.16	92	524306	20.034	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	275866	19.837	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	323268	20.116	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	189315	19.674	ug/l	99
56) Ethyl methacrylate	10.43	69	251302	20.096	ug/l	100
57) 1,3-Dichloropropane	10.71	76	323660	20.113	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	680859	100.712	ug/l	99
59) 2-Hexanone	10.75	43	627303	101.742	ug/l	100
60) Dibromochloromethane	10.90	129	205711	19.820	ug/l	100
61) 1,2-Dibromoethane	11.01	107	189941	20.002	ug/l	100
64) Tetrachloroethene	10.63	164	249928	19.795	ug/l	99
65) Chlorobenzene	11.43	112	581732	19.963	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	202753	19.878	ug/l	100
67) Ethyl Benzene	11.51	91	989814	19.989	ug/l	99
68) m/p-Xylenes	11.62	106	760810	40.860	ug/l	99
69) o-Xylene	11.95	106	370218	20.309	ug/l	100
70) Styrene	11.96	104	604557	20.378	ug/l	100
71) Bromoform	12.13	173	146323	20.310	ug/l #	99
73) Isopropylbenzene	12.25	105	966163	21.052	ug/l	99
74) N-amyl acetate	12.07	43	285153	20.807	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	224702	21.284	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	195199m	21.711	ug/l	
77) Bromobenzene	12.53	156	255244	20.838	ug/l	98
78) n-propylbenzene	12.59	91	1077781	20.761	ug/l	99
79) 2-Chlorotoluene	12.67	91	649851	20.688	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	773323	20.919	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	64050	20.960	ug/l	97
82) 4-Chlorotoluene	12.77	91	661627	20.541	ug/l	100
83) tert-Butylbenzene	12.99	119	676460	20.856	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	778573	20.673	ug/l	100
85) sec-Butylbenzene	13.17	105	885506	20.702	ug/l	99
86) p-Isopropyltoluene	13.29	119	762453	20.588	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	436144	20.220	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	428737	20.037	ug/l	99
89) n-Butylbenzene	13.62	91	601787	19.381	ug/l	99
90) Hexachloroethane	13.88	117	112833	19.008	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	413513	20.466	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27742	21.665	ug/l	98

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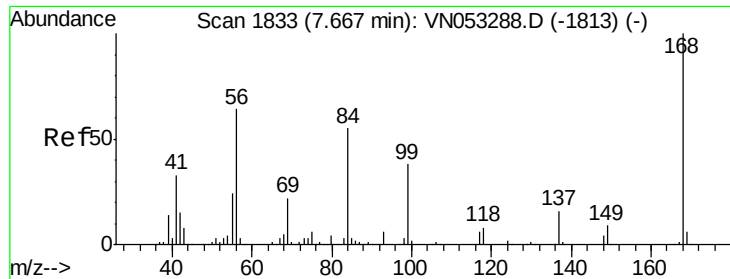
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139609	21.975	ug/l	99
94) Hexachlorobutadiene	15.01	225	114155	21.968	ug/l	99
95) Naphthalene	15.13	128	259564	23.950	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	99453	23.911	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBSD01

Tot Ion:168 Resp: 975155

Ion Ratio Lower Upper

168 100

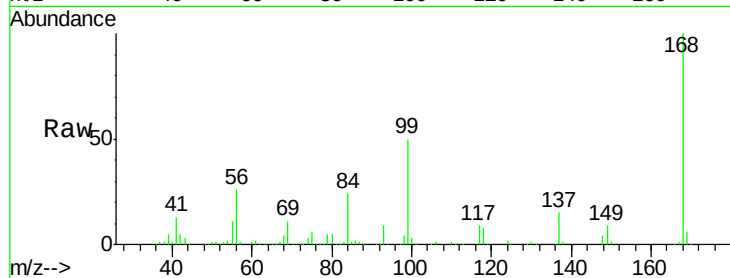
99 49.8 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

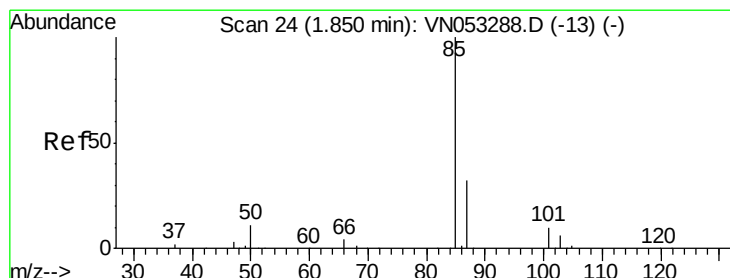
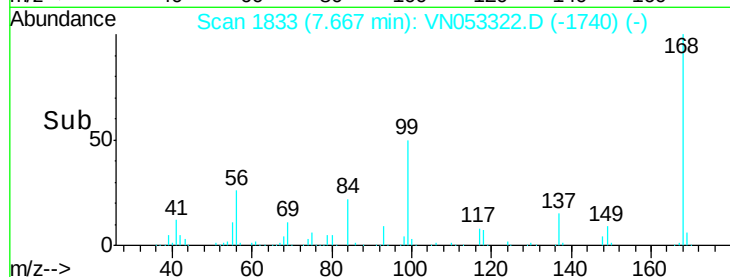
200000

100000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.191 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053322.D

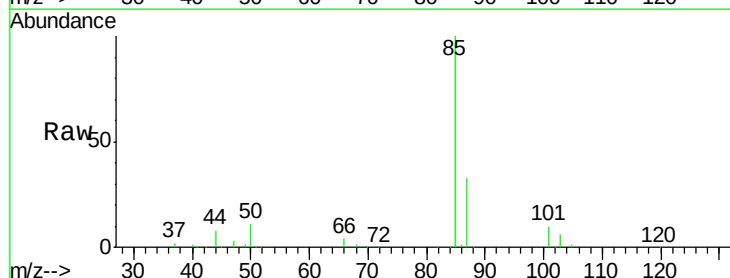
Acq: 9 Jan 2019 11:13

Tgt Ion: 85 Resp: 173578

Ion Ratio Lower Upper

85 100

87 33.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

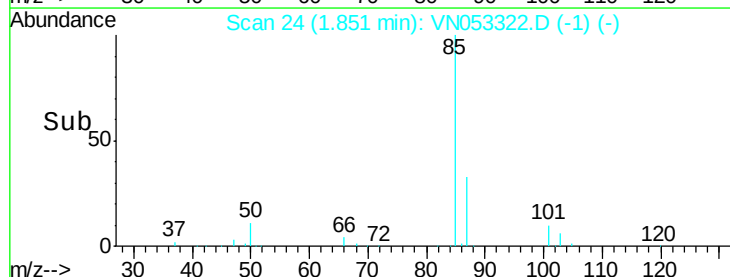
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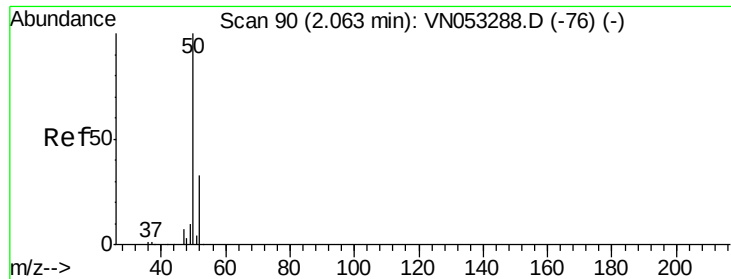
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.227 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBSD01

Tot Ion: 50 Resp: 230829

Ion Ratio Lower Upper

50 100

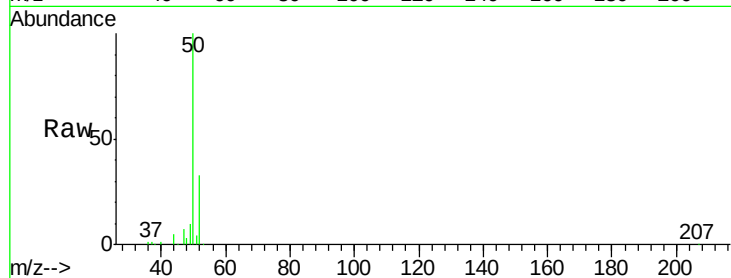
52 32.8 26.6 40.0

Manual Integrations

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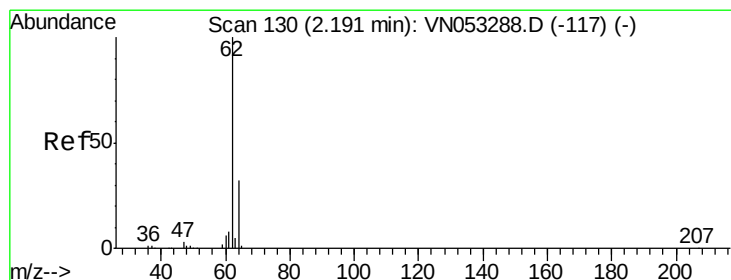
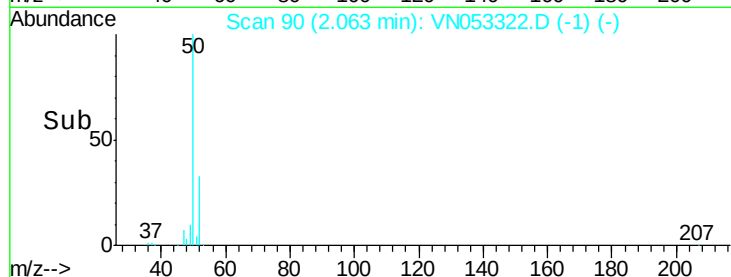
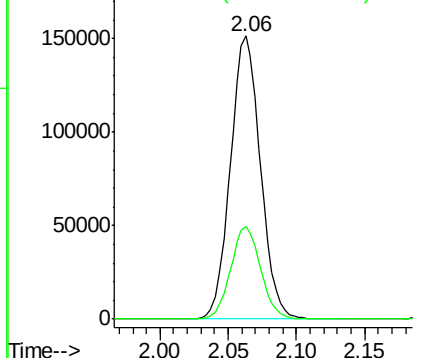
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.699 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053322.D

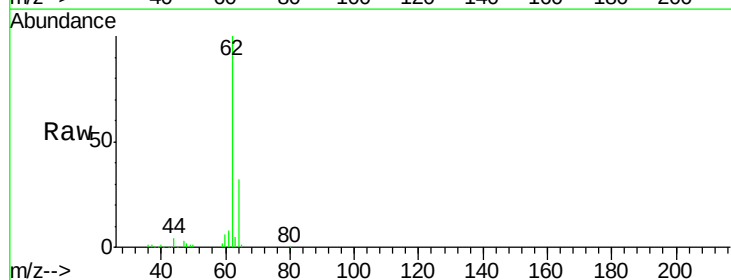
Acq: 9 Jan 2019 11:13

Tgt Ion: 62 Resp: 225728

Ion Ratio Lower Upper

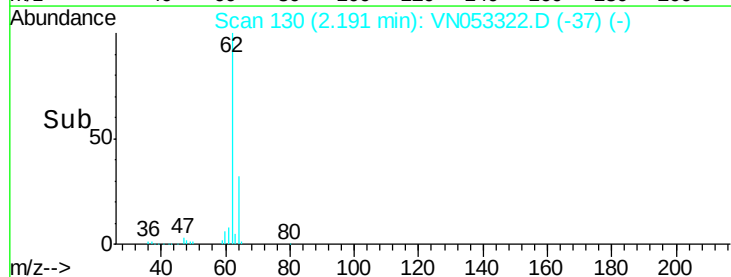
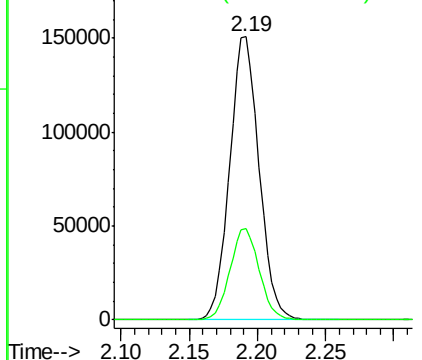
62 100

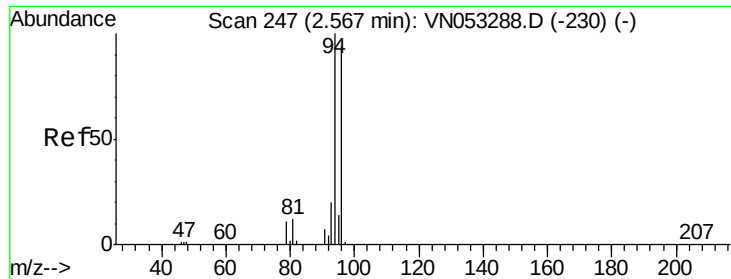
64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.294 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBSD01

Tot Ion: 94 Resp: 151958

Ion Ratio Lower Upper

94 100

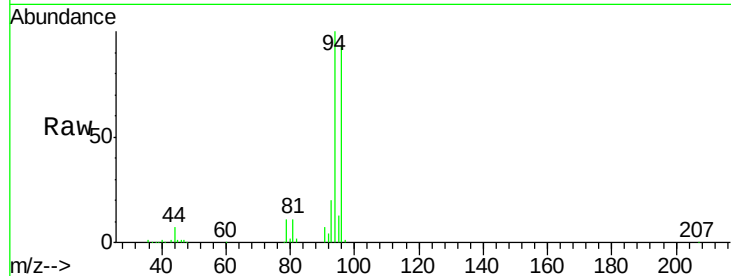
96 93.4 74.9 112.3

Manual Integrations

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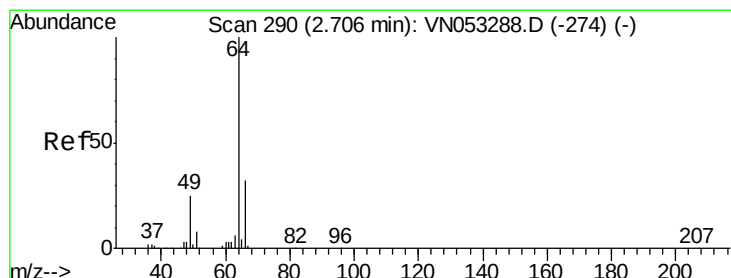
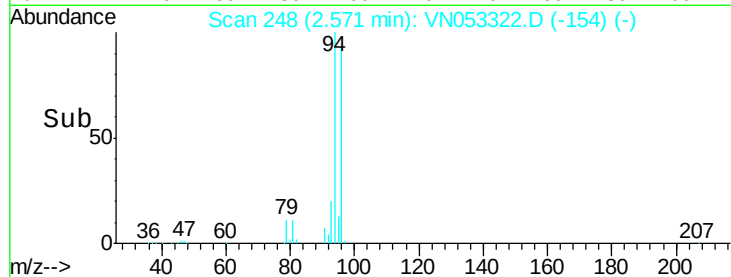
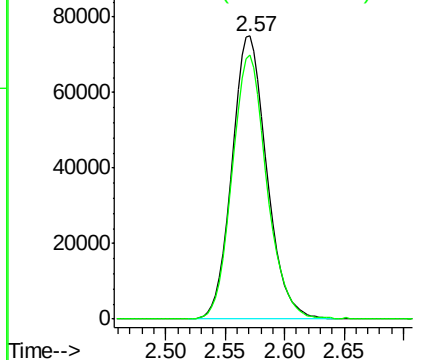
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.859 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053322.D

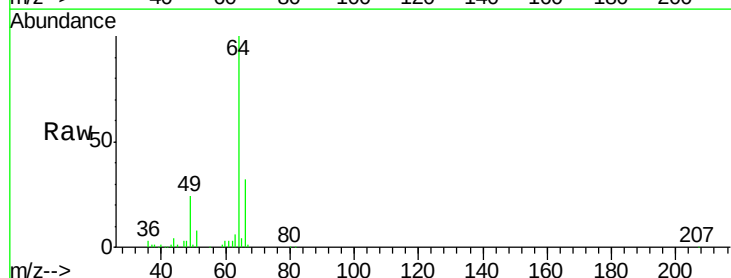
Acq: 9 Jan 2019 11:13

Tgt Ion: 64 Resp: 137354

Ion Ratio Lower Upper

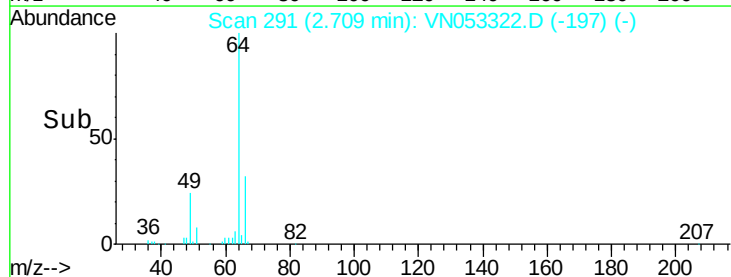
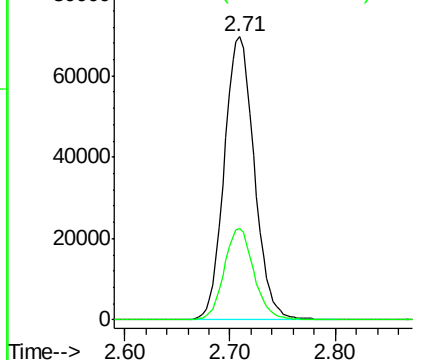
64 100

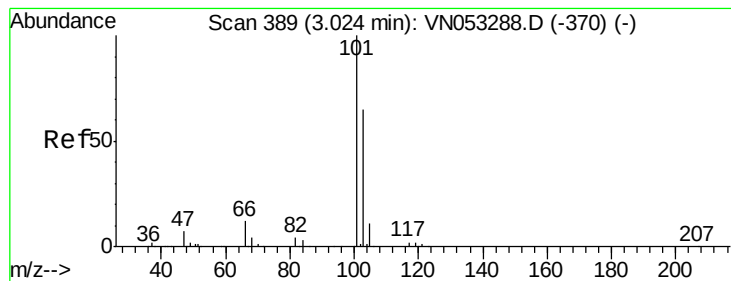
66 32.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

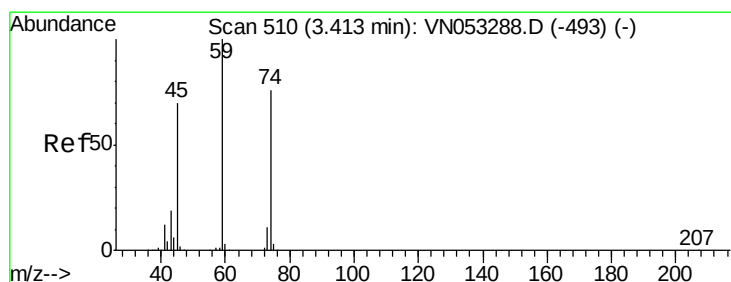
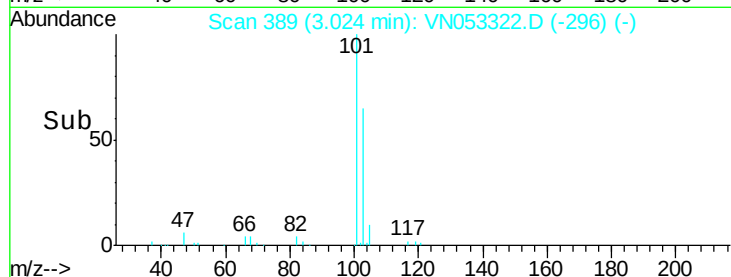
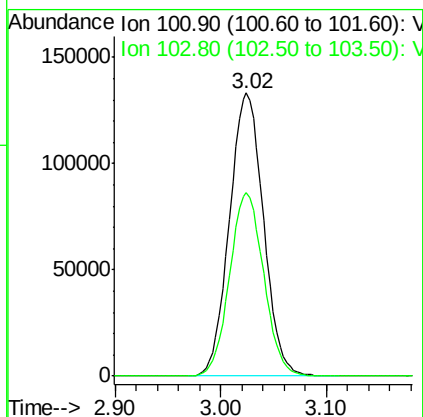
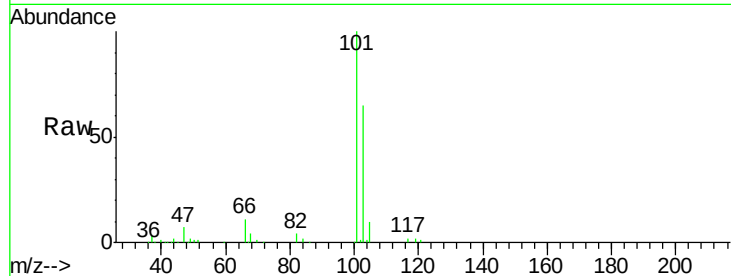
Trichlorofluoromethane
Concen: 20.057 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053322.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		297689		
103	64.8	52.1	78.1		

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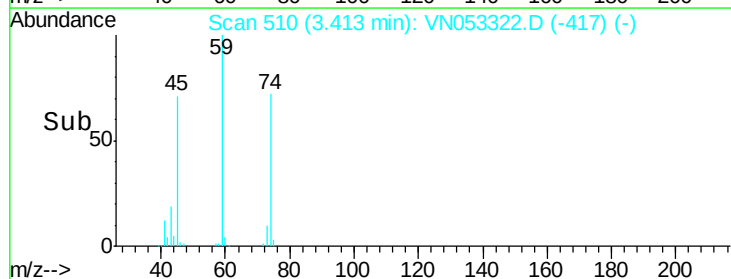
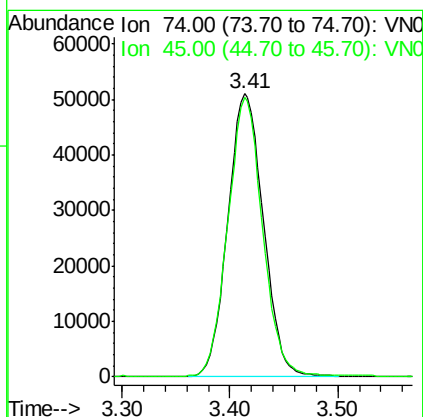
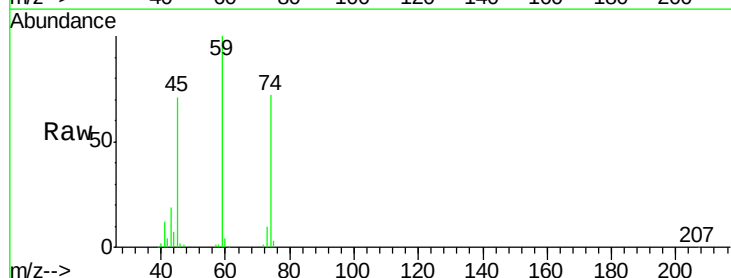
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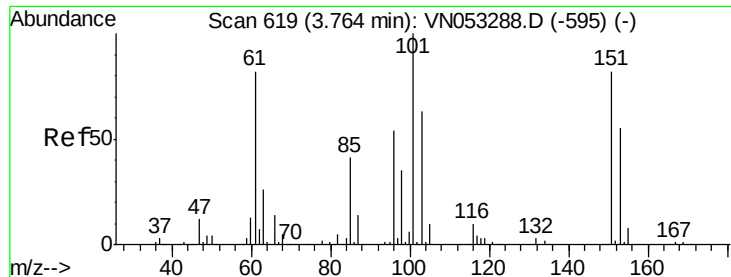


#8

Diethyl Ether
Concen: 20.183 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		117416		
45	96.5	48.3	144.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.751 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

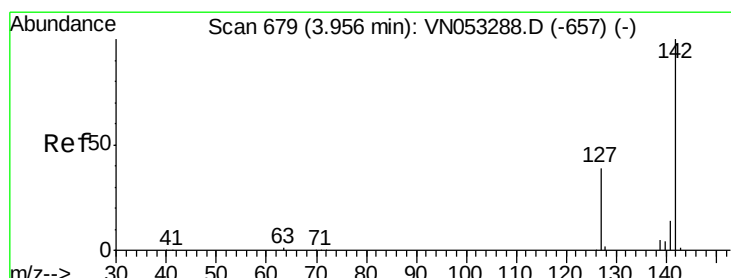
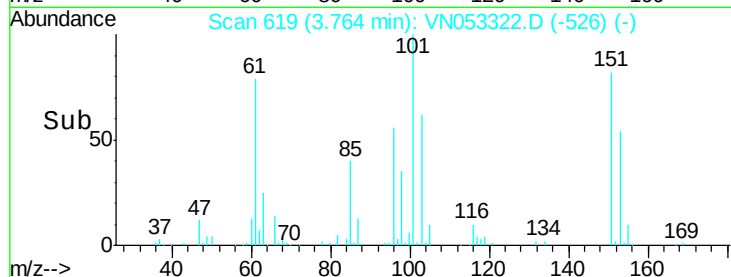
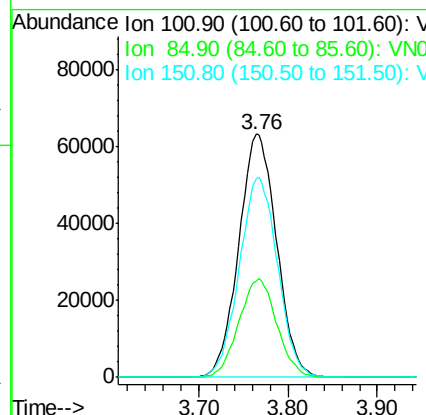
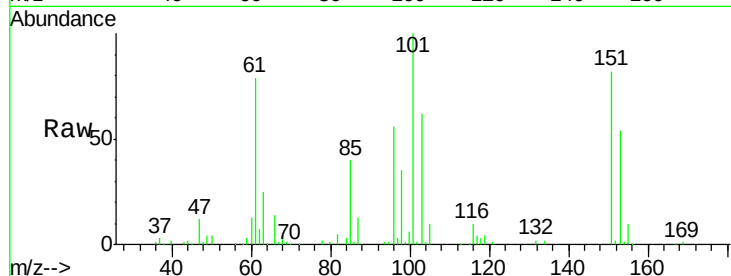
ClientSampleId :

VN0109WBSD01

Tot Ion:	101	Resp:	185789
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.3	49.9
151	83.4	67.0	100.4

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#10

Methyl Iodide

Concen: 21.126 ug/l

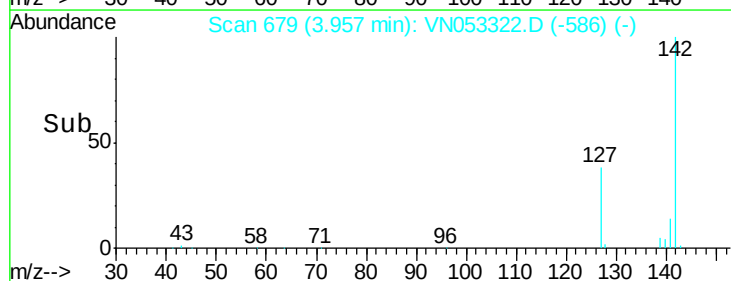
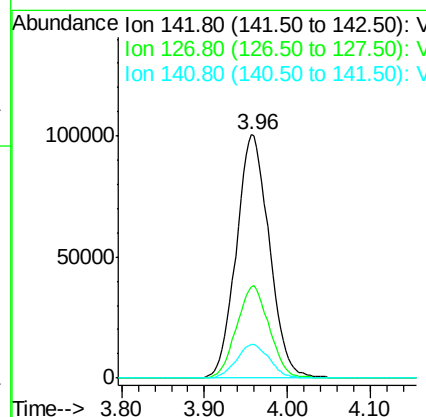
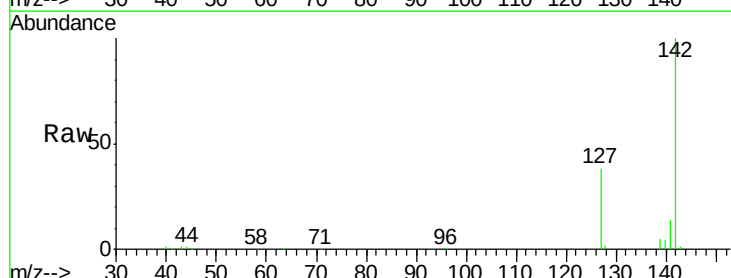
RT: 3.96 min Scan# 679

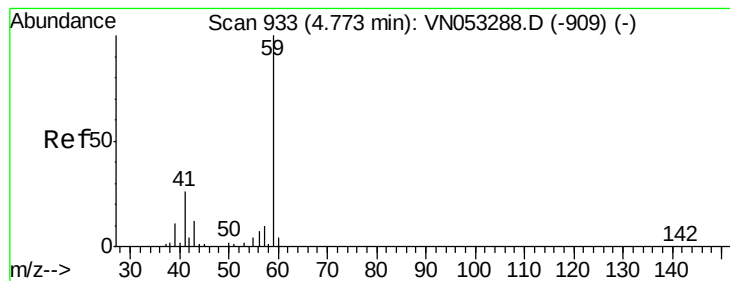
Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Tgt Ion:	142	Resp:	278560
Ion Ratio	Lower	Upper	
142	100		
127	37.6	30.9	46.3
141	13.8	11.2	16.8





#11

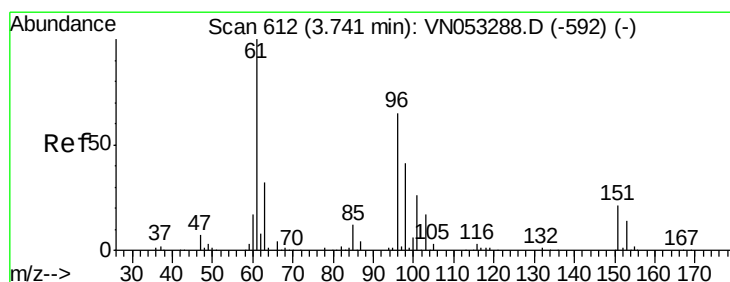
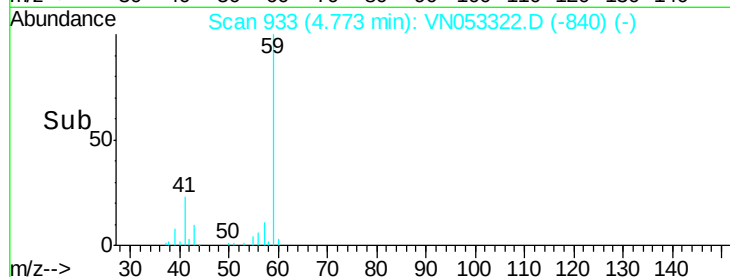
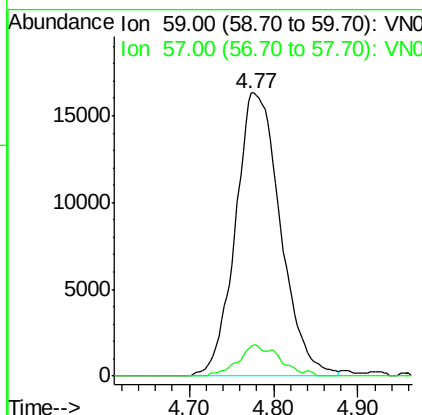
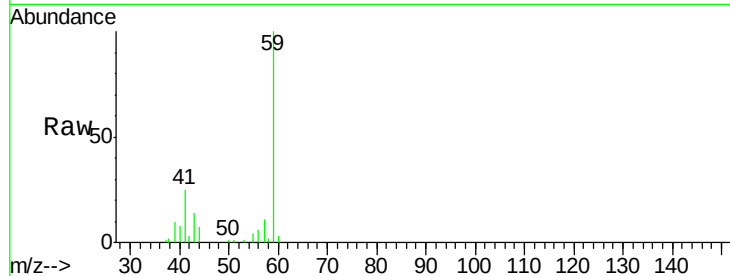
Tert butyl alcohol
Concen: 99.347 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.0	12.0#

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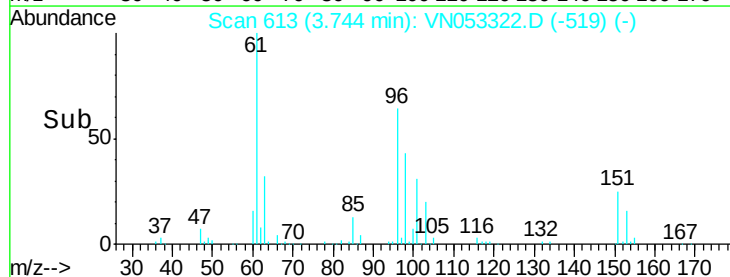
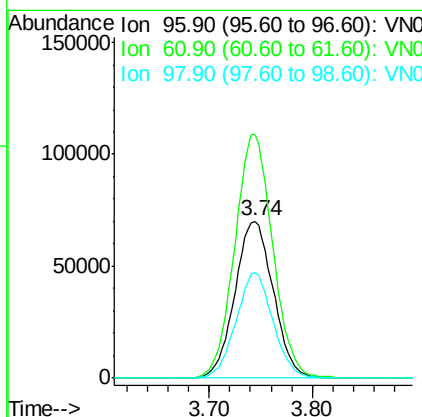
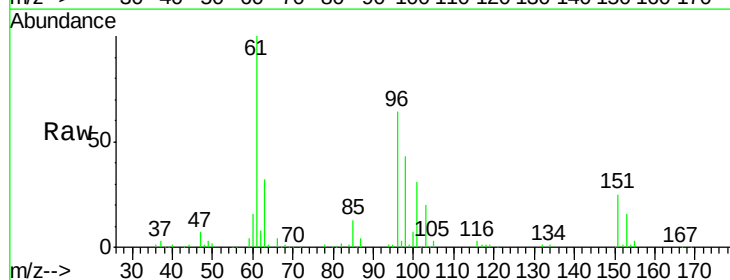
MMDadoda
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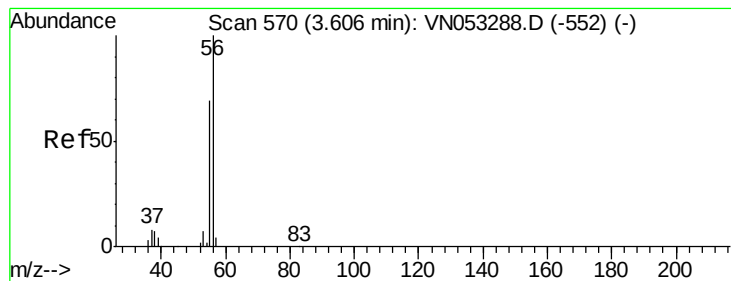


#12

1,1-Dichloroethene
Concen: 19.950 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	123.2	184.8
98	67.2	50.5	75.7





#13

Acrolein

Concen: 94.846 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBSD01

Tot Ion: 56 Resp: 72770

Ion Ratio Lower Upper

56 100

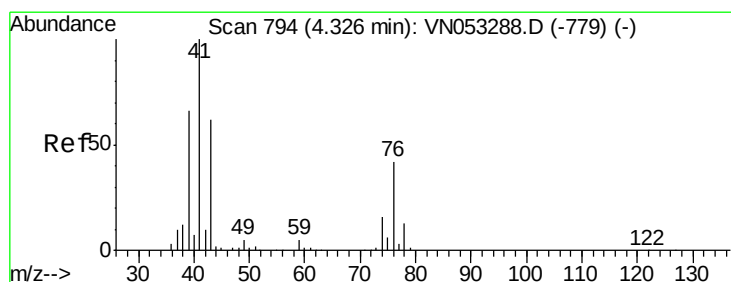
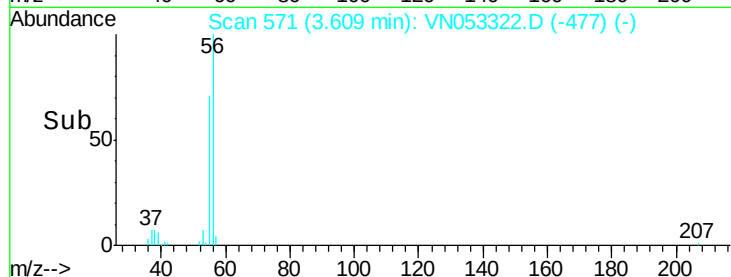
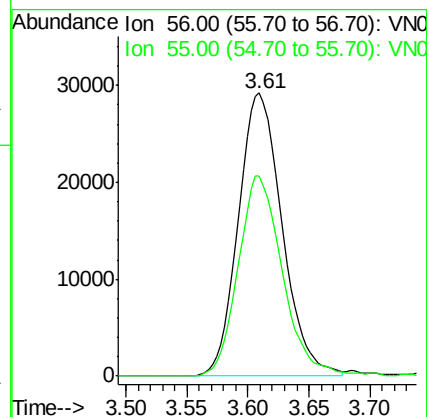
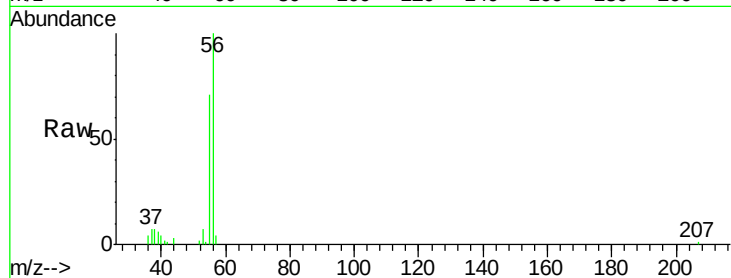
55 71.3 56.3 84.5

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#14

Allyl chloride

Concen: 20.357 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

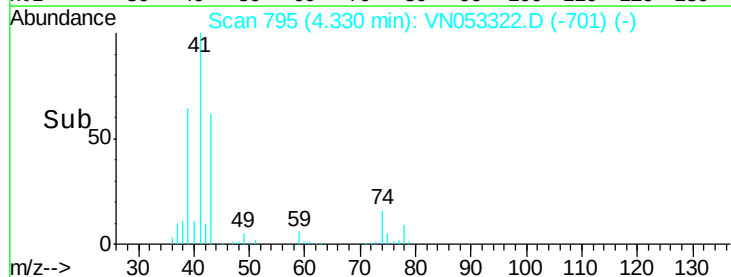
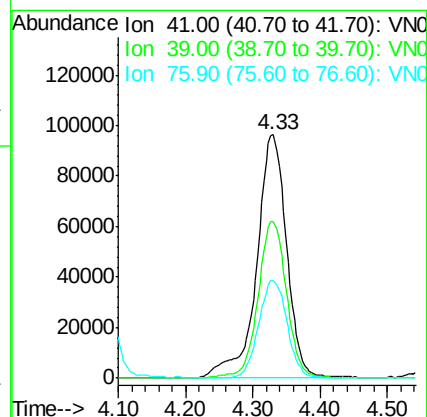
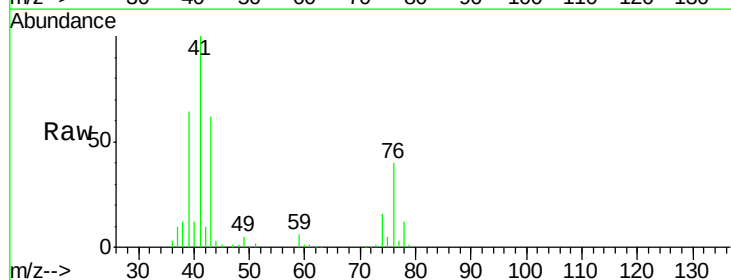
Tgt Ion: 41 Resp: 298530

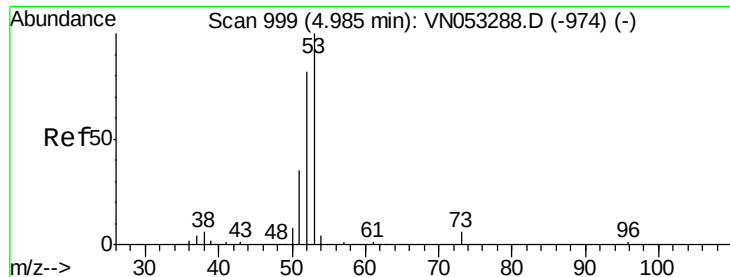
Ion Ratio Lower Upper

41 100

39 61.2 51.9 77.9

76 38.1 31.2 46.8





#15

Acrylonitrile

Concen: 99.835 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

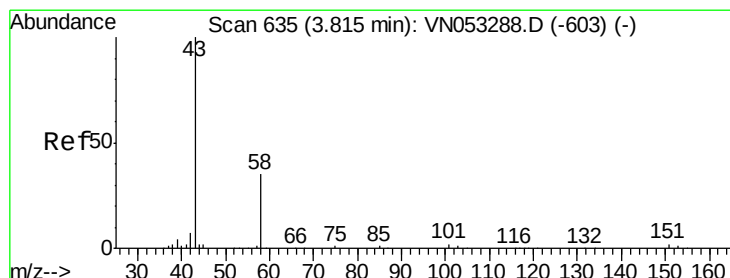
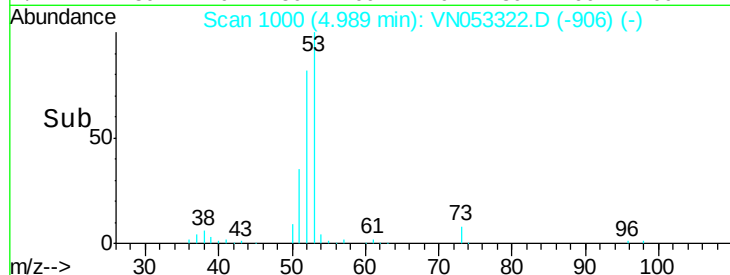
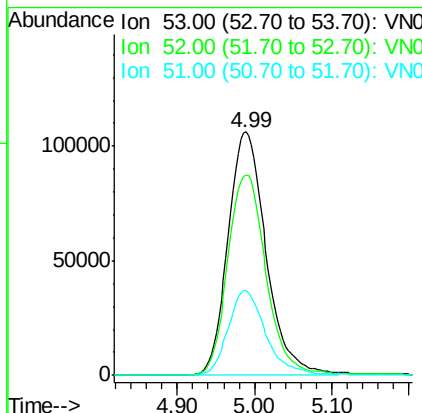
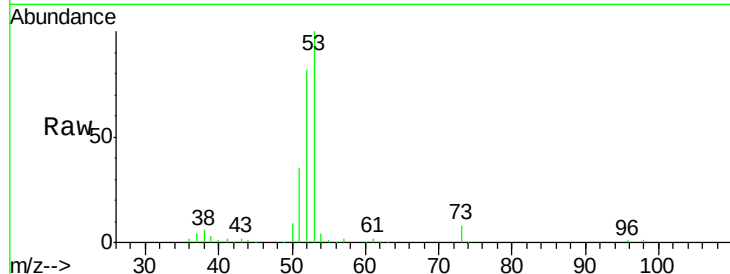
ClientSampleId :

VN0109WBSD01

Tot Ion:	53	Resp:	363670
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.2	97.8
51	34.6	28.0	42.0

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#16

Acetone

Concen: 106.035 ug/l

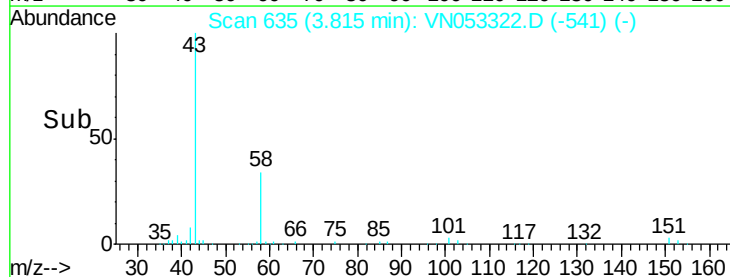
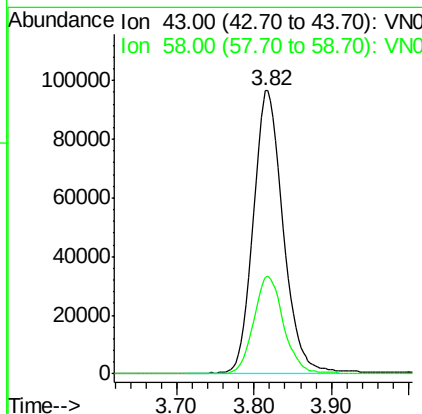
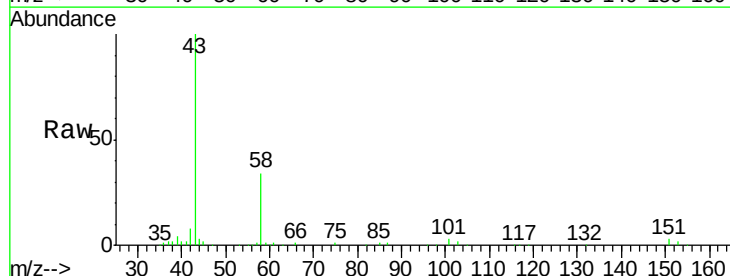
RT: 3.82 min Scan# 635

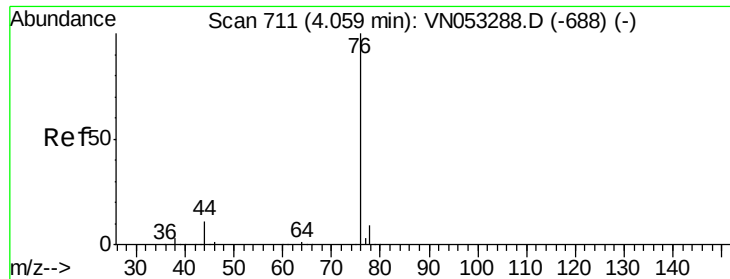
Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Tgt Ion:	43	Resp:	262046
Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.8	41.6





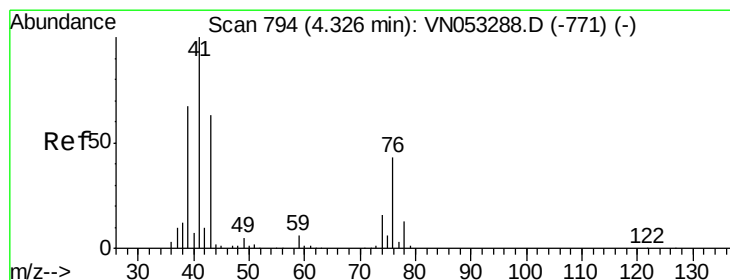
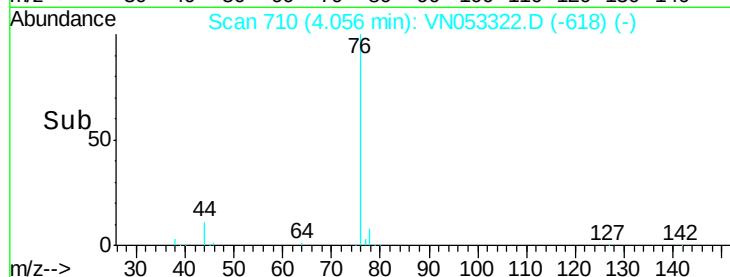
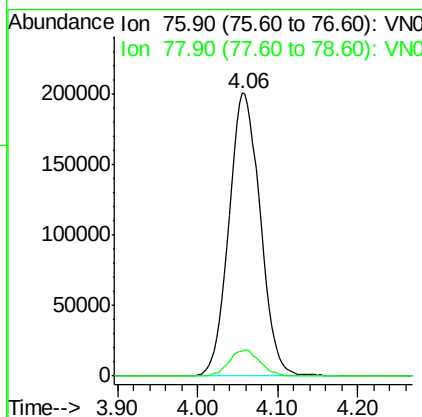
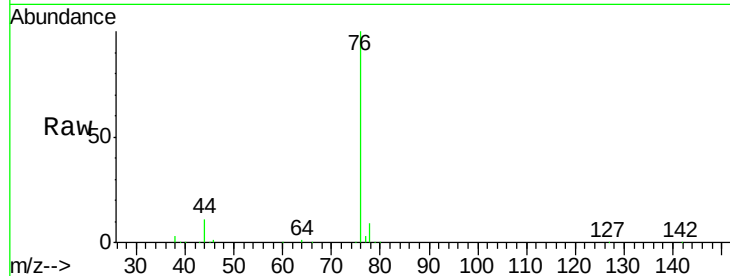
#17
Carbon Disulfide
Concen: 19.072 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

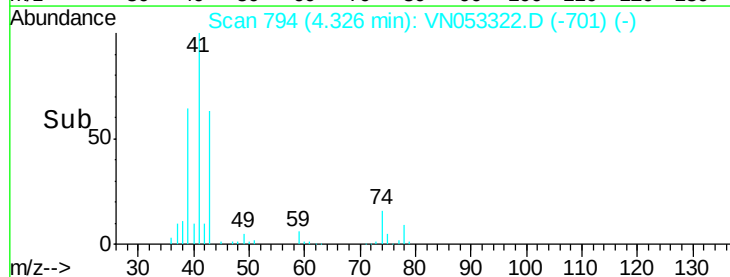
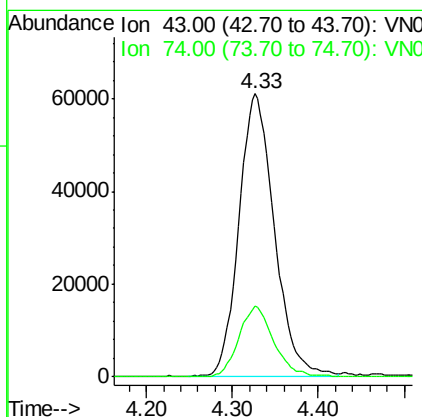
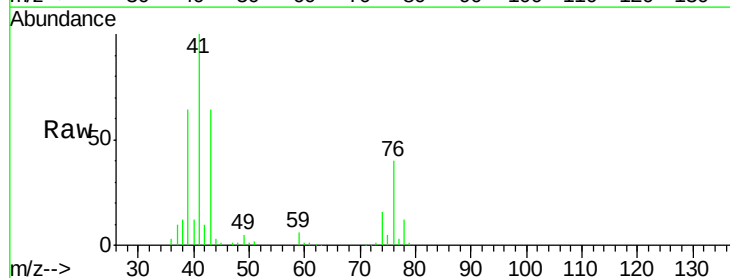
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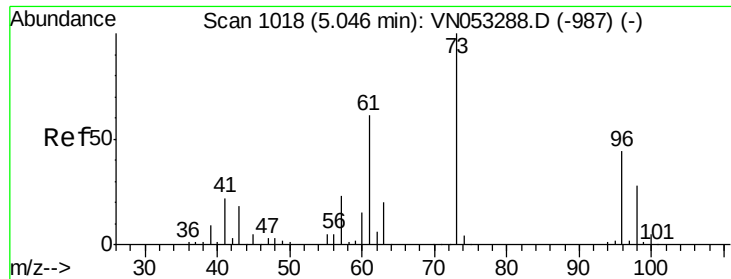
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#18
Methyl Acetate
Concen: 18.927 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





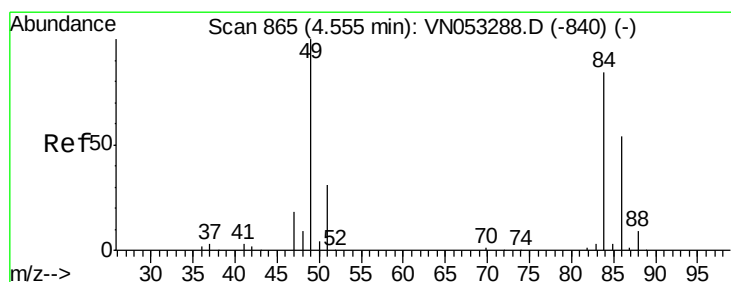
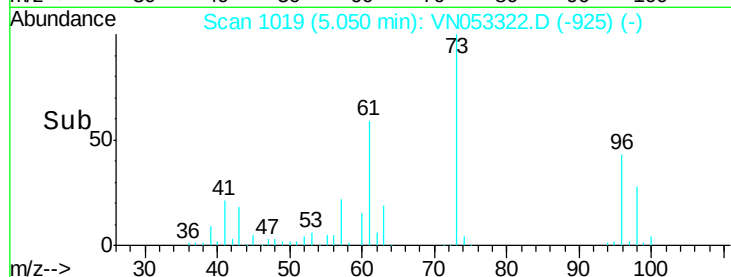
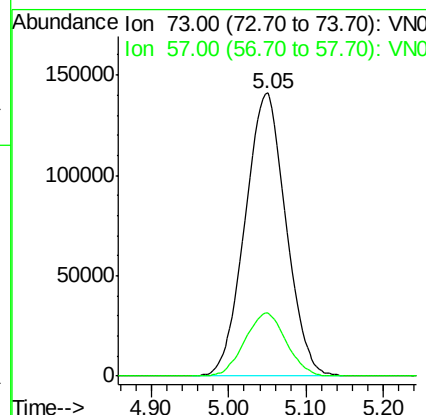
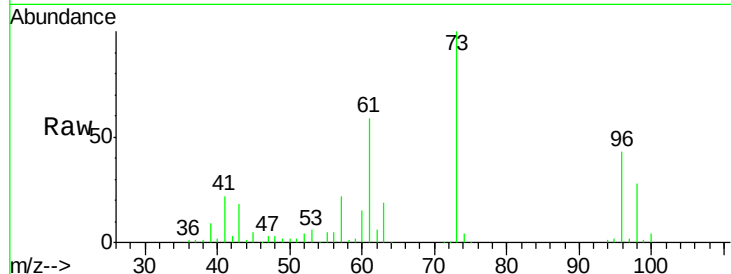
#19
Methyl tert-butyl Ether
Concen: 20.349 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion: 73 Resp: 519640
Ion Ratio Lower Upper
73 100
57 22.3 18.5 27.7

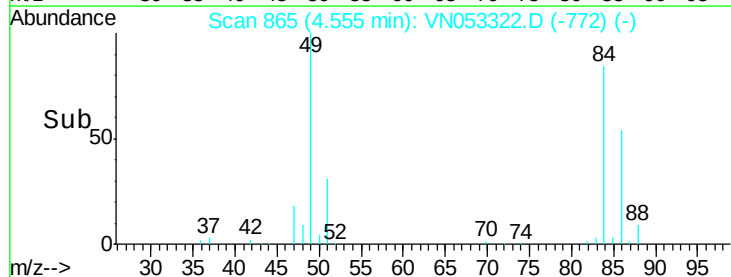
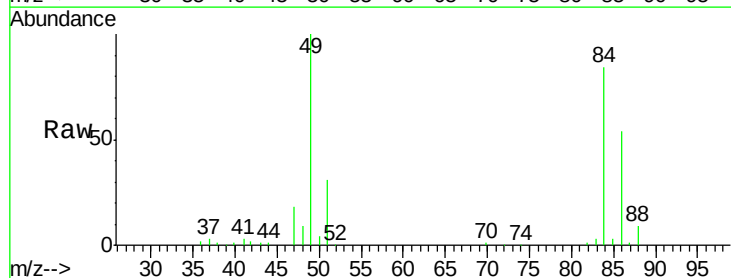
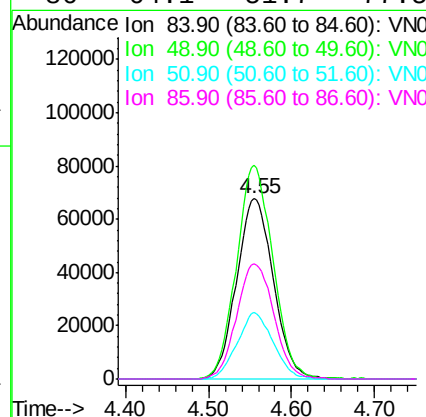
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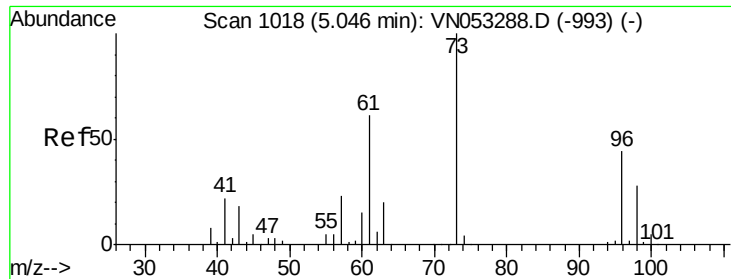
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#20
Methylene Chloride
Concen: 19.213 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion: 84 Resp: 209346
Ion Ratio Lower Upper
84 100
49 118.6 95.3 142.9
51 37.1 29.0 43.6
86 64.1 51.7 77.5





#21

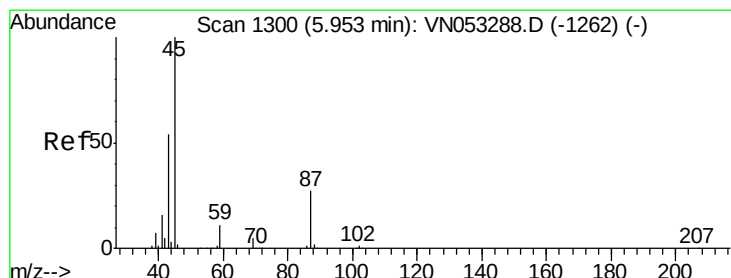
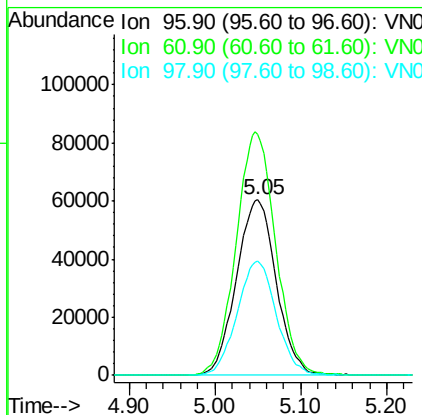
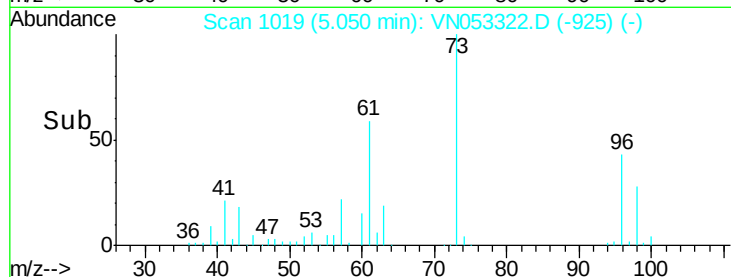
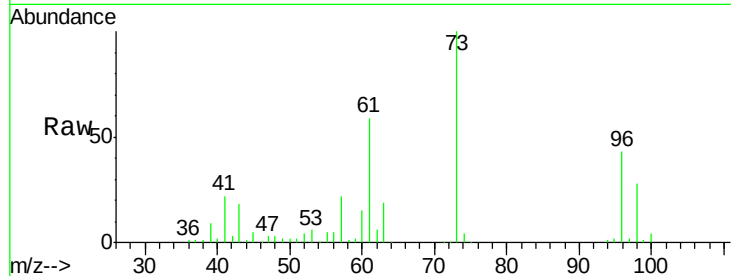
trans-1,2-Dichloroethene
Concen: 19.893 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	110.2	165.4
98	65.3	50.7	76.1

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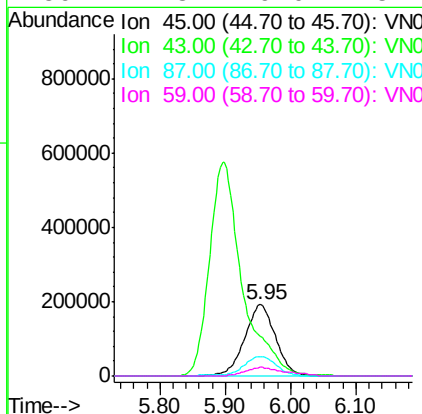
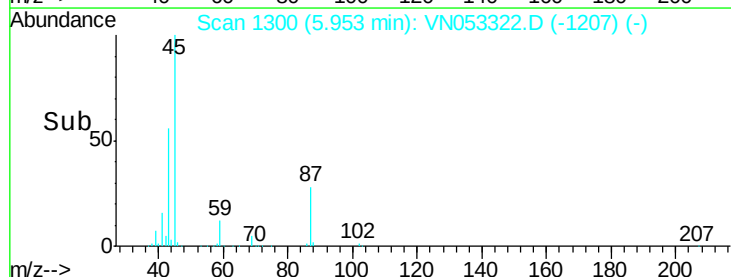
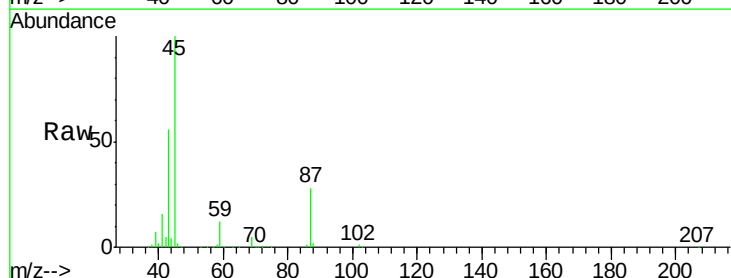
MMDadoda
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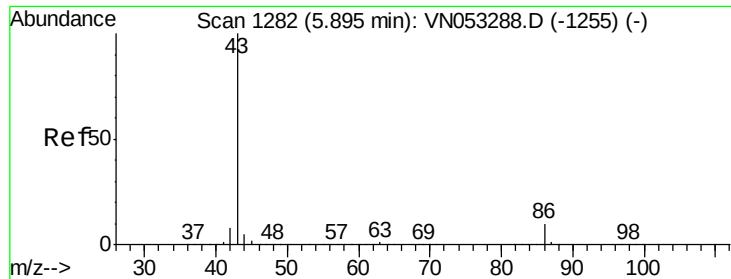


#22

Diisopropyl ether
Concen: 20.056 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.6	43.0	64.6
87	27.7	22.1	33.1
59	11.8	9.0	13.4





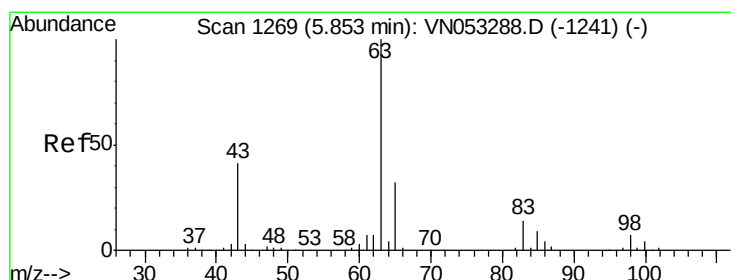
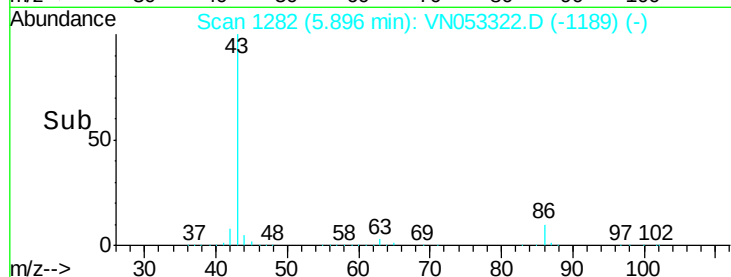
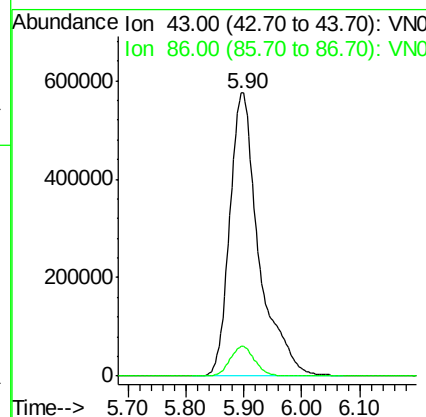
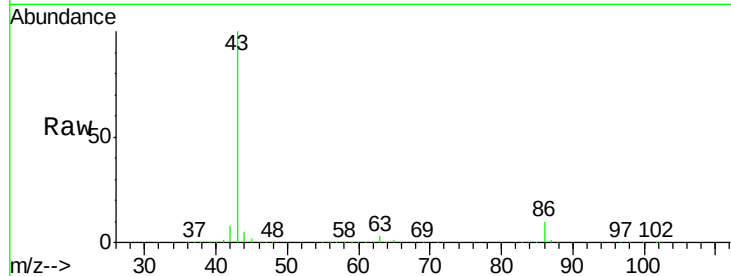
#23
 Vinyl Acetate
 Concen: 100.960 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBSD01

Tot Ion: 43 Resp: 2006933
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6

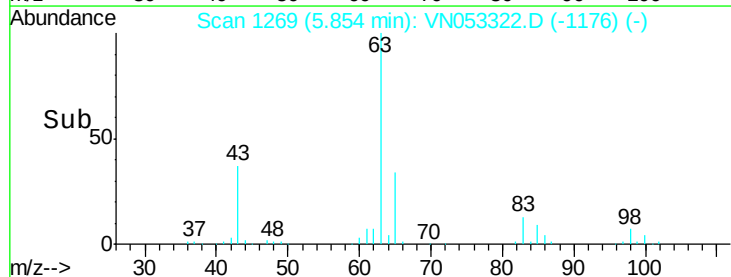
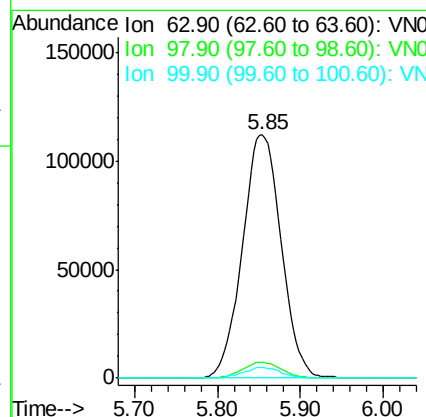
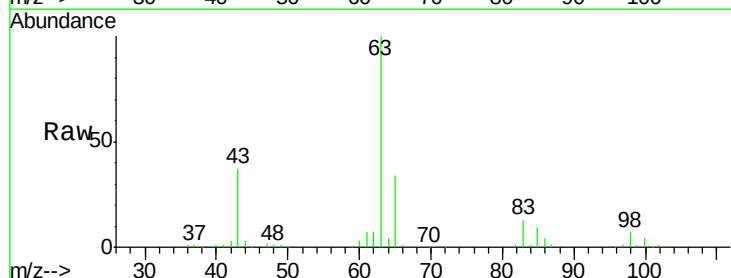
Manual Integrations
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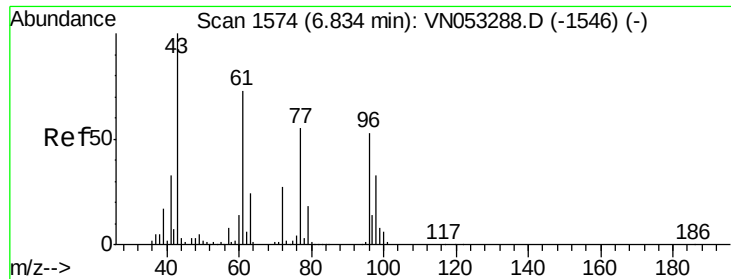
MMDadoda
 1/10/2019 9:25:24 AM



#24
 1,1-Dichloroethane
 Concen: 20.014 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Tgt Ion: 63 Resp: 364683
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.4 2.1 6.5





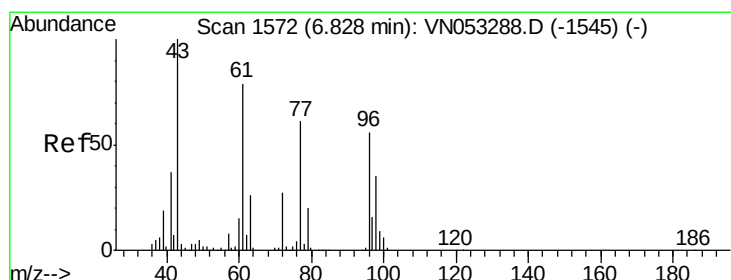
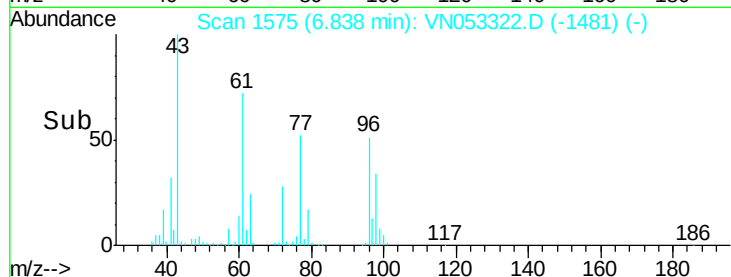
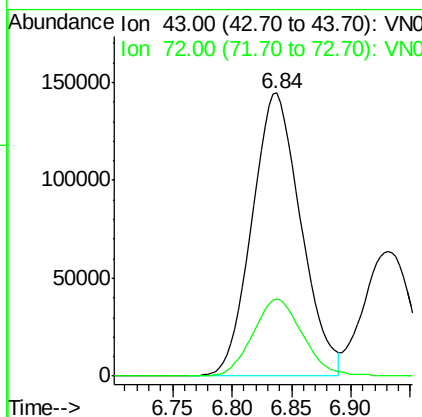
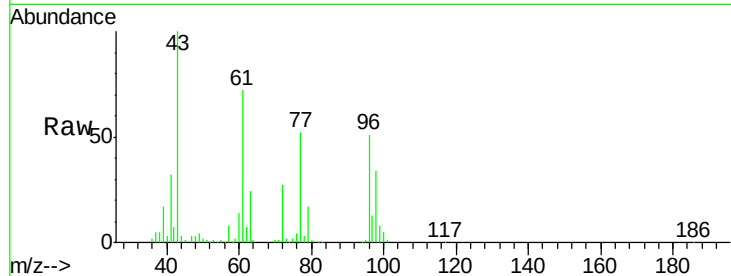
#25
2-Butanone
Concen: 98.474 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion: 43 Resp: 409867
Ion Ratio Lower Upper
43 100
72 27.5 22.0 33.0

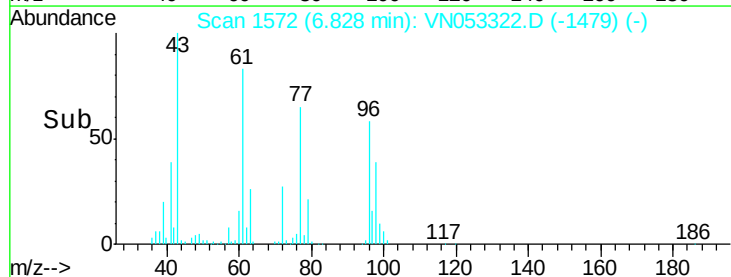
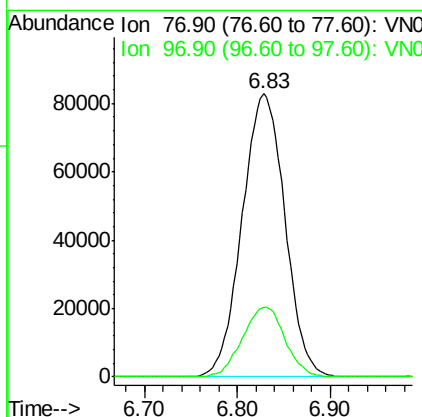
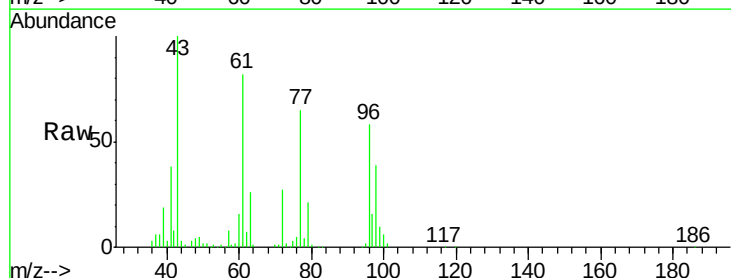
Manual Integrations
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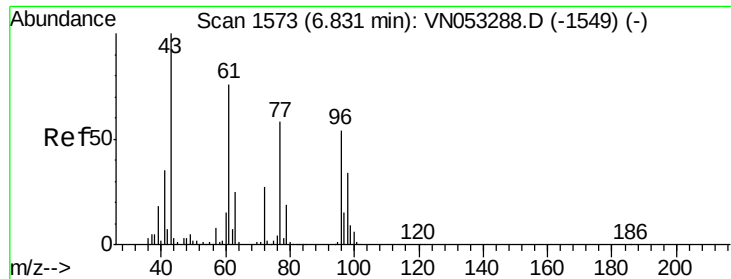
MMDadoda
1/10/2019 9:25:24 AM



#26
2,2-Dichloropropane
Concen: 19.939 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion: 77 Resp: 265577
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.9





#27

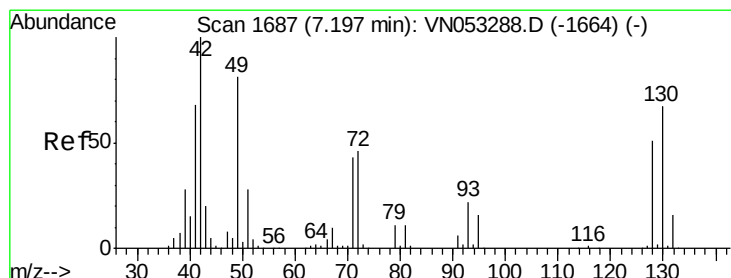
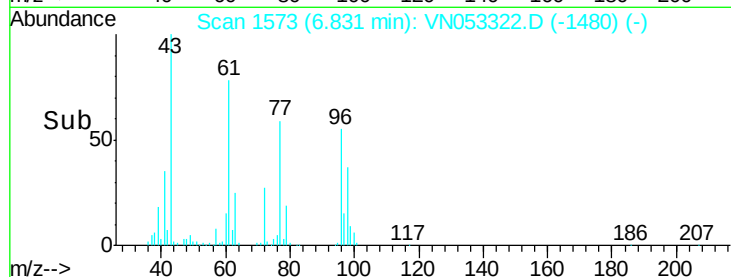
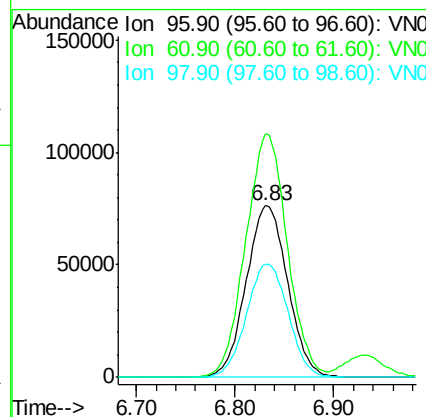
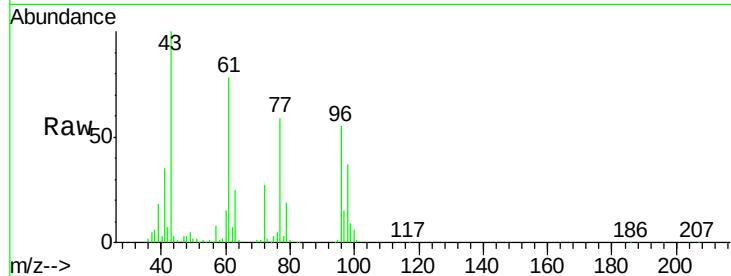
cis-1,2-Dichloroethene
Concen: 19.912 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	222149		
61	142.3	0.0	280.6	
98	66.6	0.0	127.6	

Manual Integrations
APPROVED

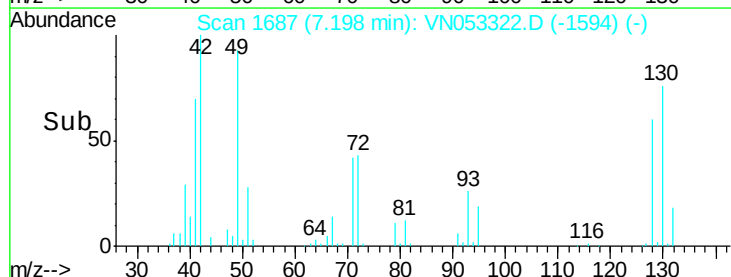
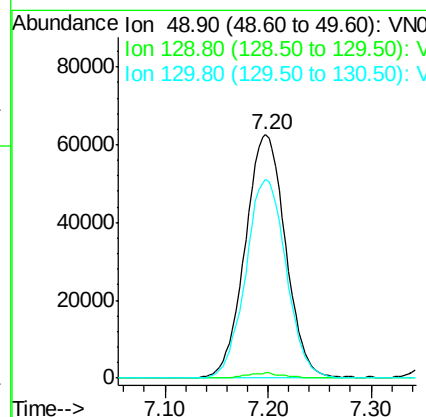
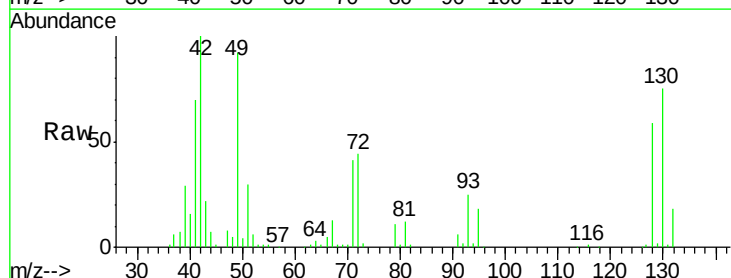
MMDadoda
1/10/2019 9:25:24 AM

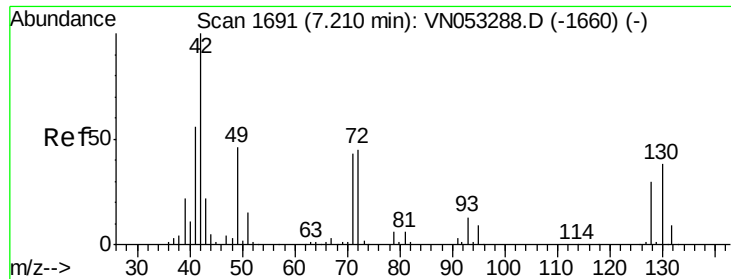


#28

Bromochloromethane
Concen: 21.918 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	170186		
129	1.9	0.0	3.8	
130	81.8	65.4	98.0	





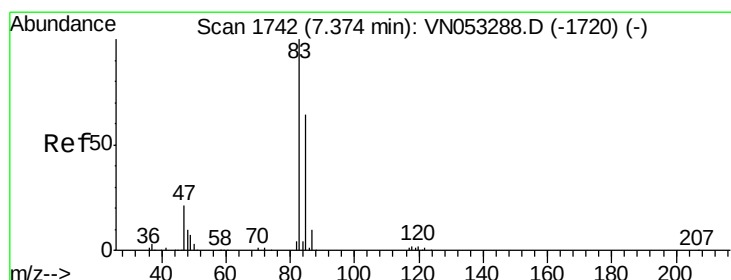
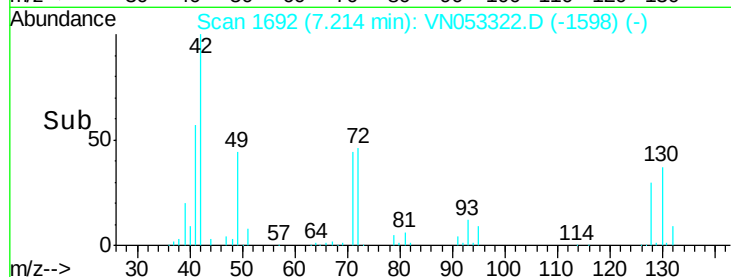
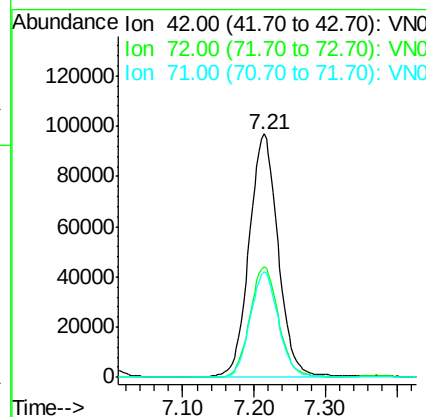
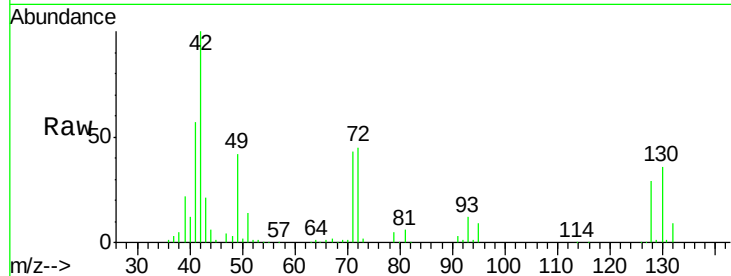
#29
Tetrahydrofuran
Concen: 99.957 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.6	53.4
71	42.0	33.8	50.8

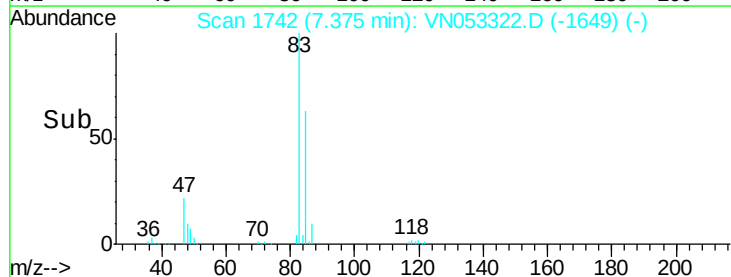
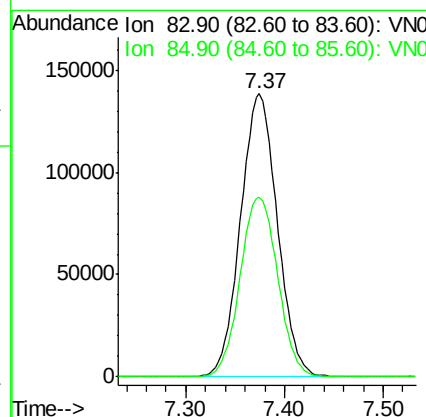
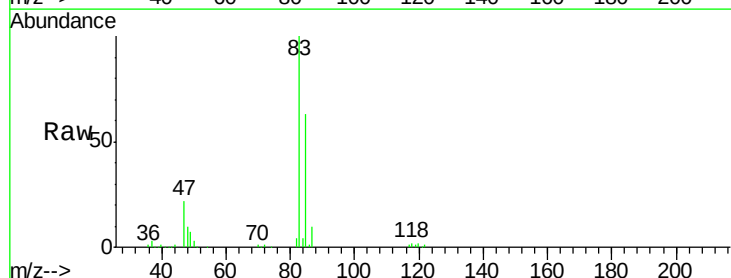
Manual Integrations
APPROVED

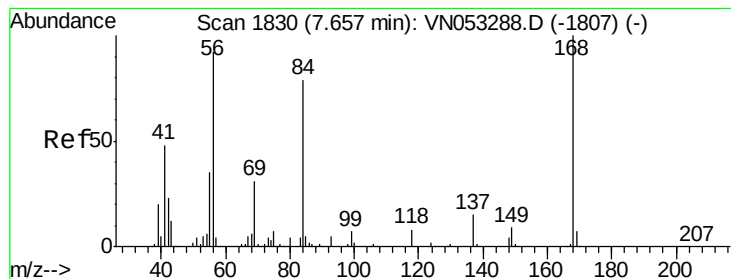
MMDadoda
1/10/2019 9:25:24 AM



#30
Chloroform
Concen: 19.955 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.3	76.9





#31

Cyclohexane

Concen: 19.511 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

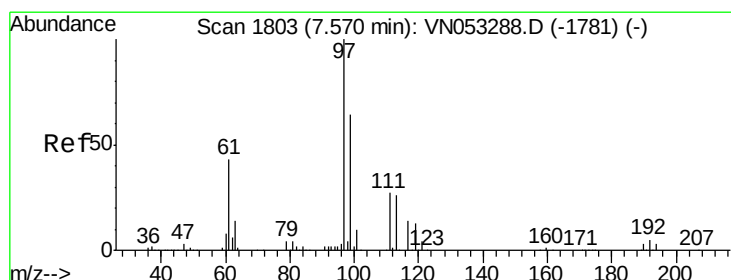
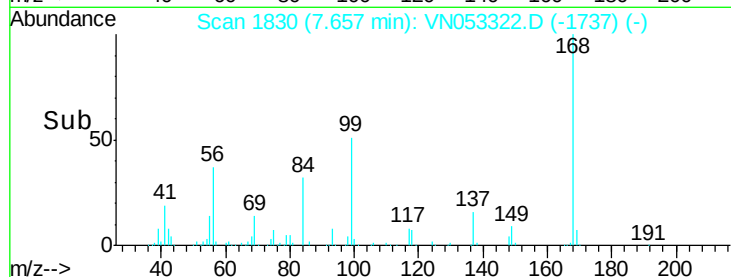
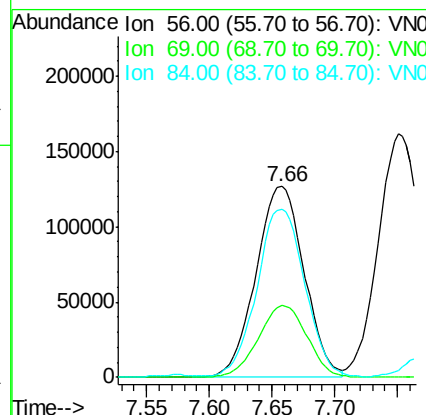
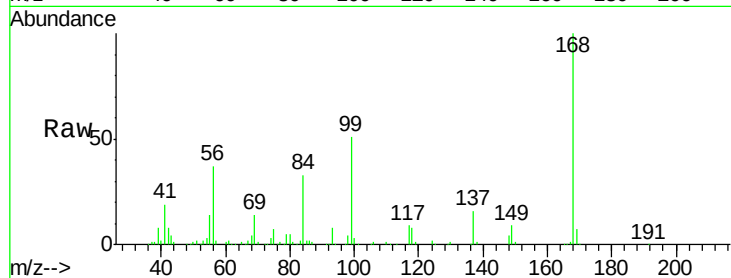
VN0109WBSD01

Tot Ion: 56 Resp: 339889

Ion	Ratio	Lower	Upper
56	100		
69	37.6	26.7	40.1
84	87.2	68.2	102.4

Manual Integrations
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MMDadoda
1/10/2019 9:25:24 AM



#32

1,1,1-Trichloroethane

Concen: 19.895 ug/l

RT: 7.57 min Scan# 1804

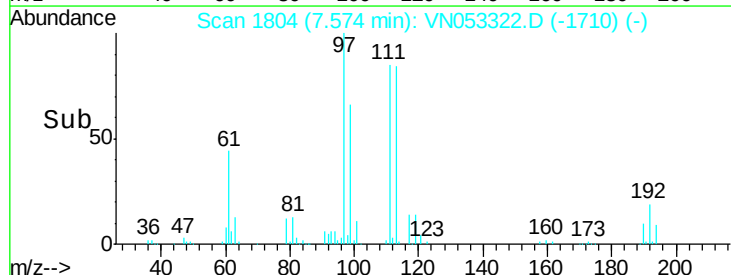
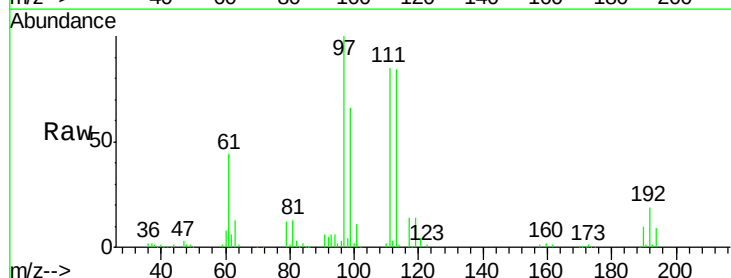
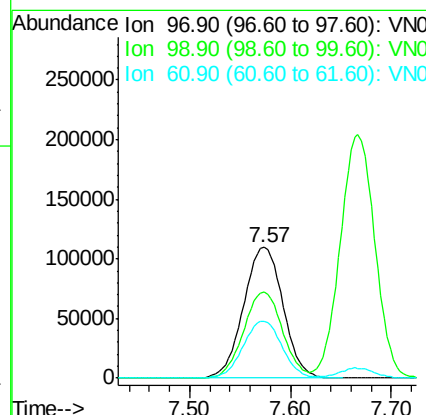
Delta R.T. 0.00 min

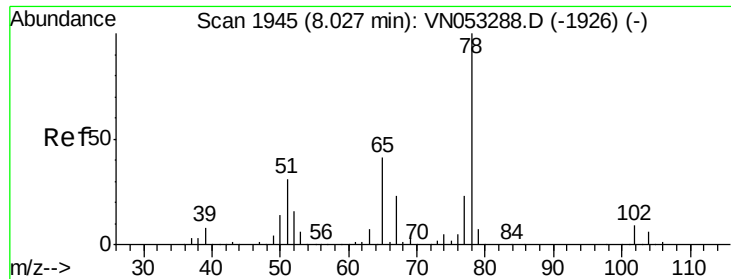
Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Tgt Ion: 97 Resp: 297334

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	43.1	34.6	52.0





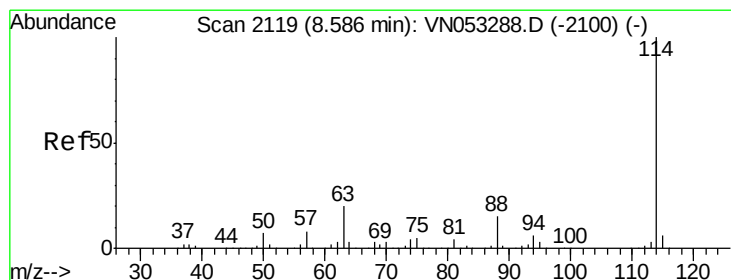
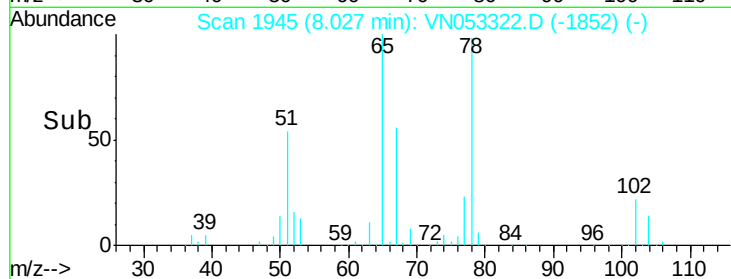
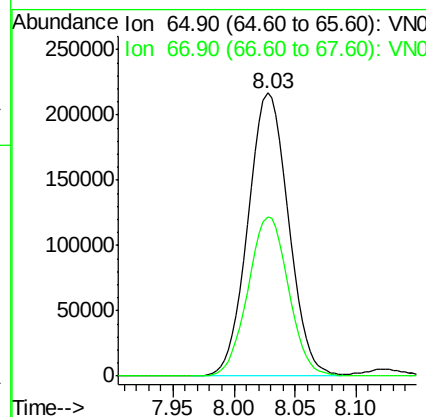
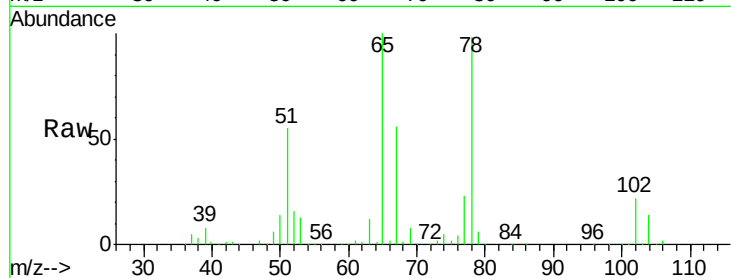
#33
 1,2-Dichloroethane-d4
 Concen: 19.895 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	499112		
67	56.1	0.0	111.0	

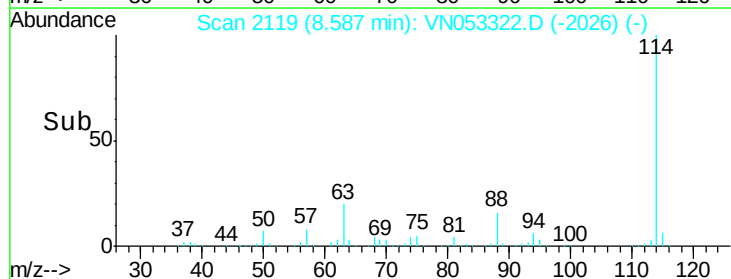
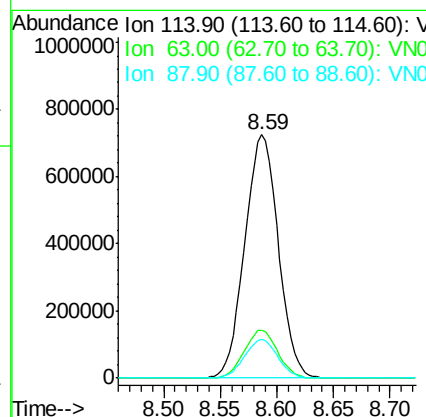
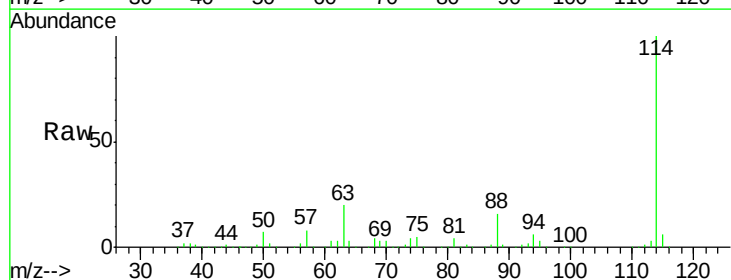
Manual Integrations
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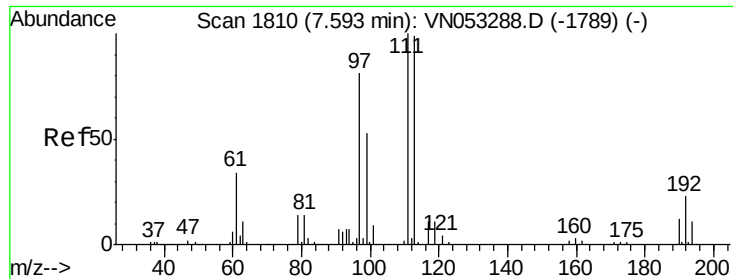
MMDadoda
 1/10/2019 9:25:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1495876		
63	19.8	0.0	39.0	
88	15.8	0.0	30.8	





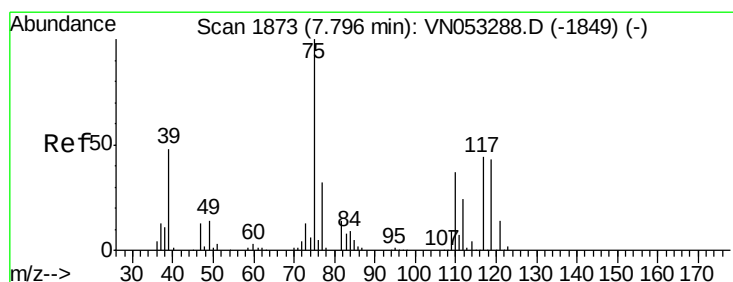
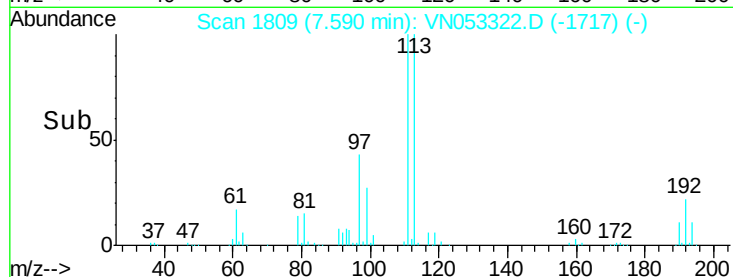
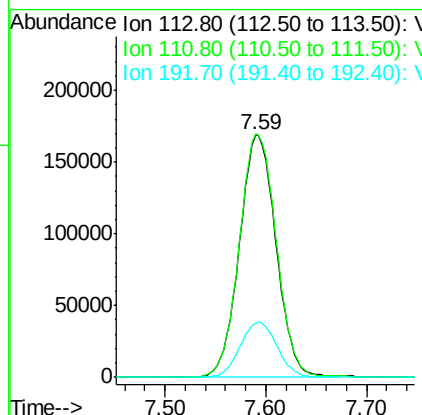
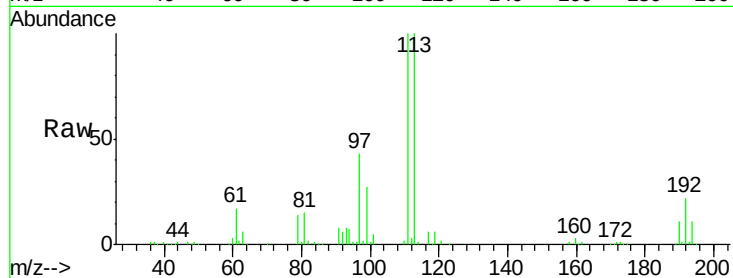
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	424844		
111	101.8	81.4	122.2	
192	22.9	17.9	26.9	

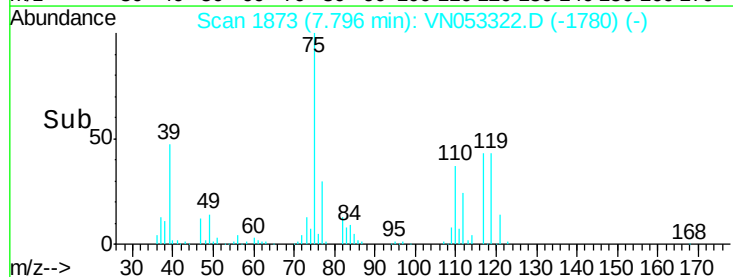
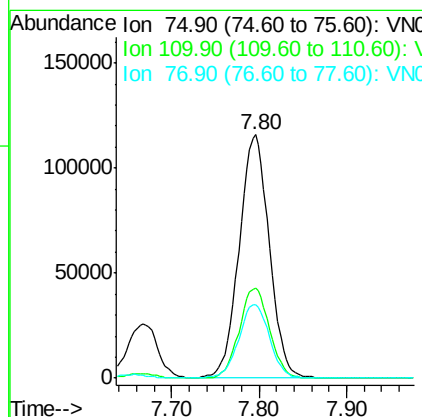
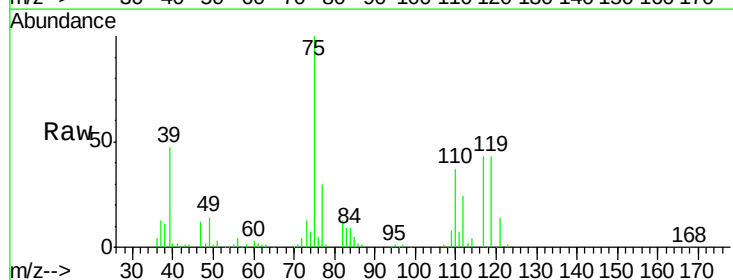
Manual Integrations
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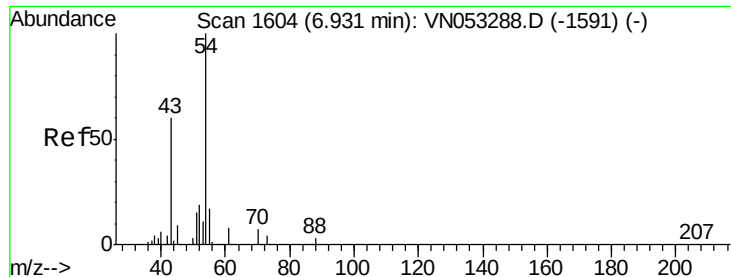
MMDadoda
 1/10/2019 9:25:24 AM



#36
 1,1-Dichloropropene
 Concen: 19.752 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	275831		
110	37.1	18.4	55.0	
77	30.8	25.3	37.9	





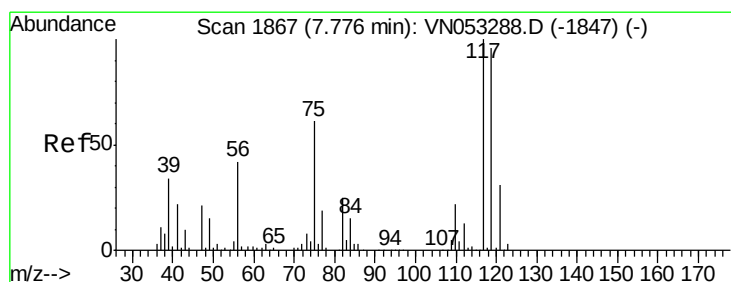
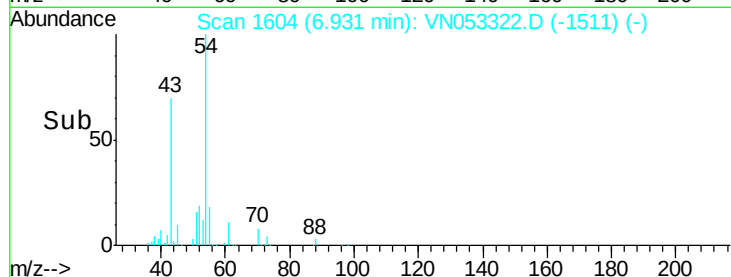
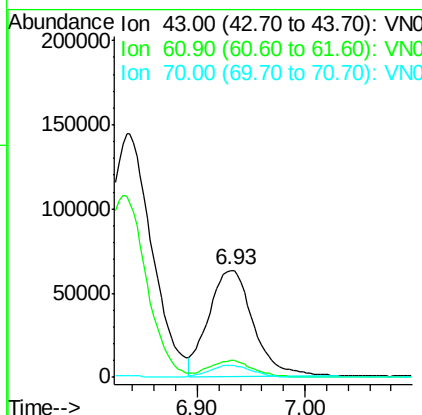
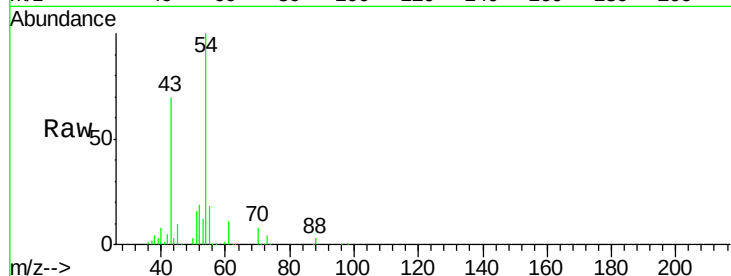
#37
Ethyl Acetate
Concen: 19.995 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	181880		
61	15.1		11.9	17.9
70	11.2		8.6	13.0

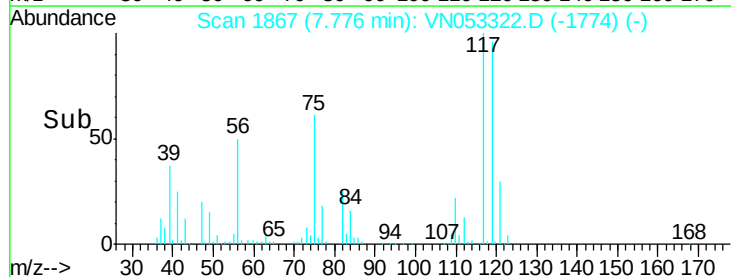
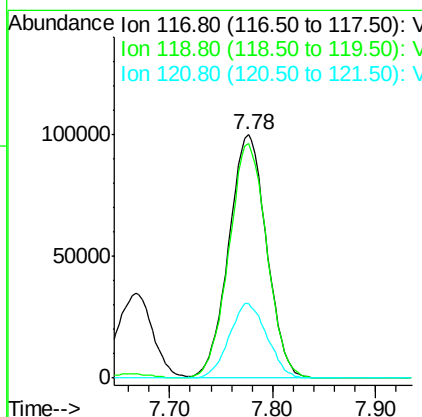
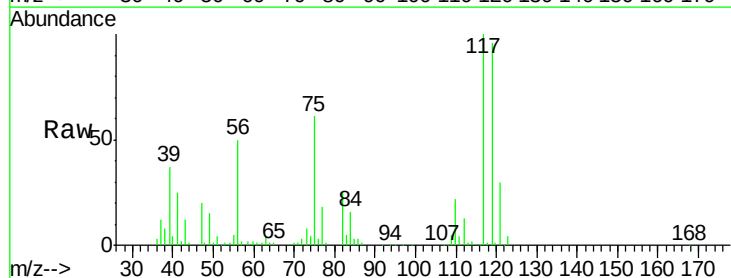
Manual Integrations
APPROVED

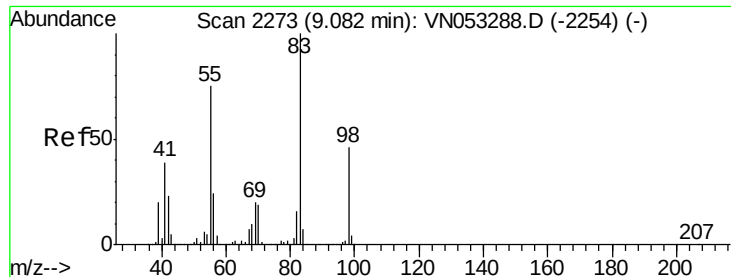
MMDadoda
1/10/2019 9:25:24 AM



#38
Carbon Tetrachloride
Concen: 19.860 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	255988		
119	96.2		76.6	115.0
121	30.5		25.0	37.4





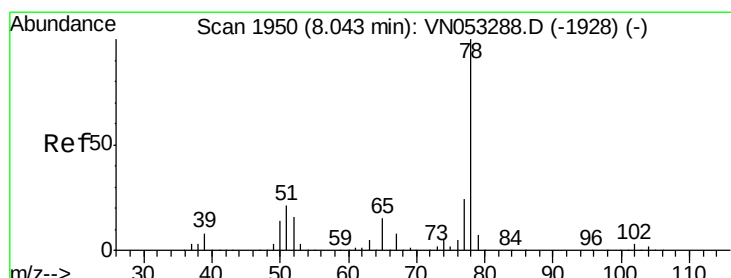
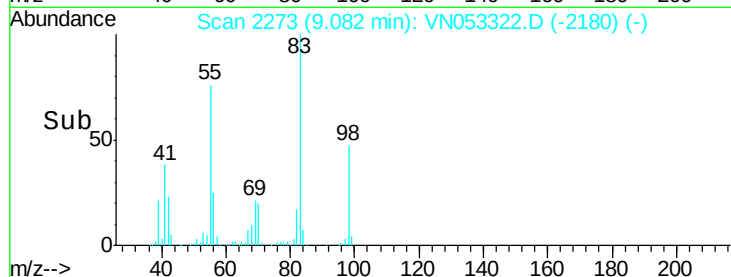
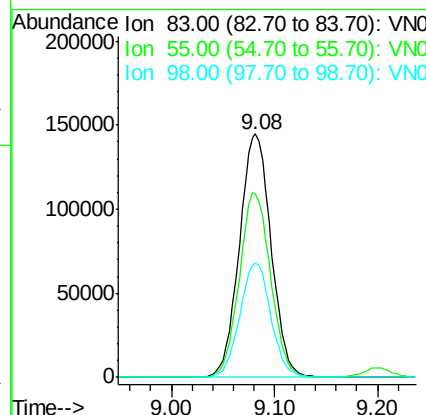
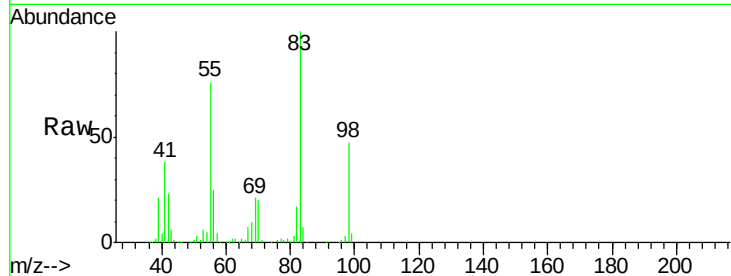
#39
Methylvlcyclohexane
Concen: 19.100 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.6	60.1	90.1	
98	47.2	36.7	55.1	

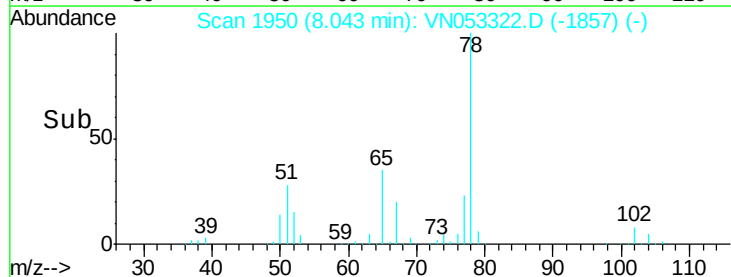
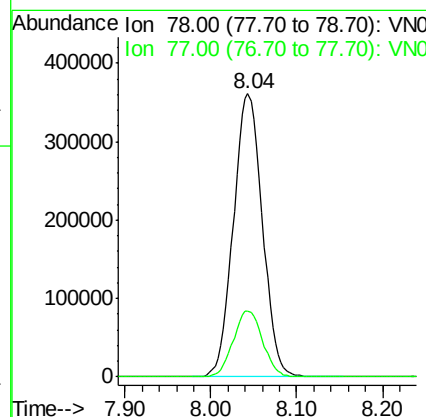
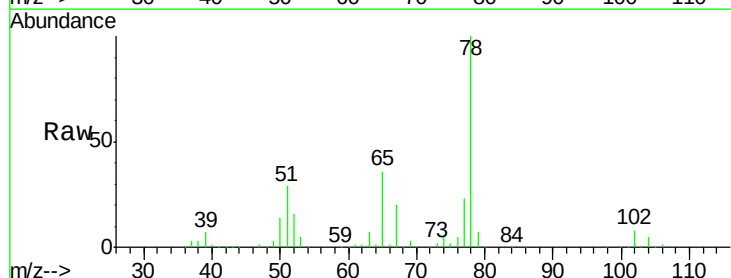
Manual Integrations
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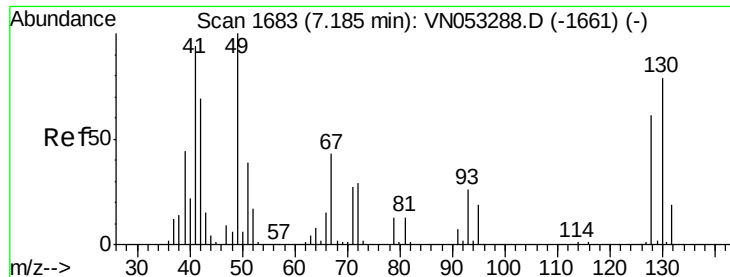
MMDadoda
1/10/2019 9:25:24 AM



#40
Benzene
Concen: 19.803 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.0	28.4	





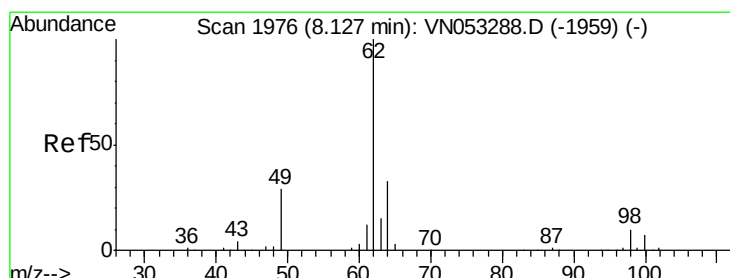
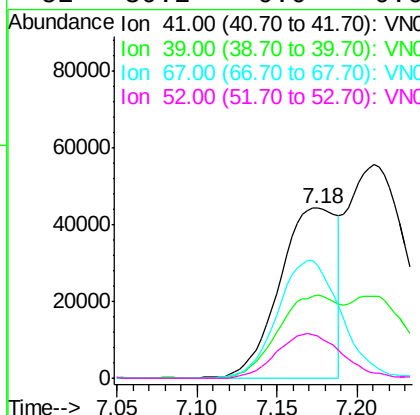
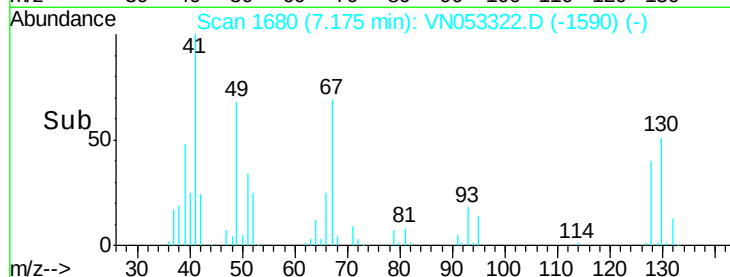
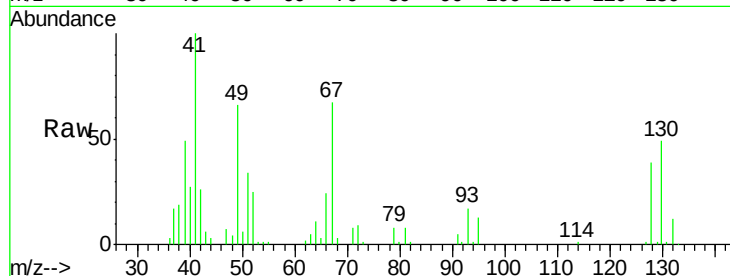
#41
Methacrylonitrile
Concen: 19.468 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	52.7	0.0	0.0#		
67	77.4	0.0	0.0#		
52	30.2	0.0	0.0#		

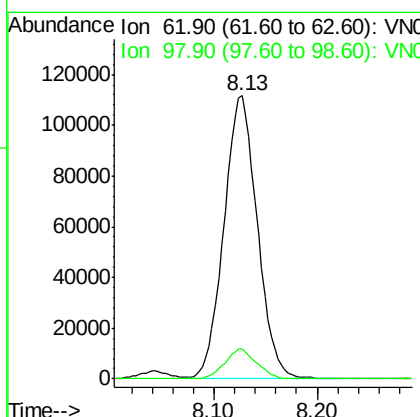
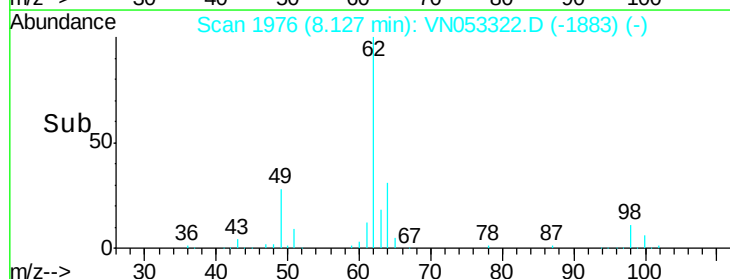
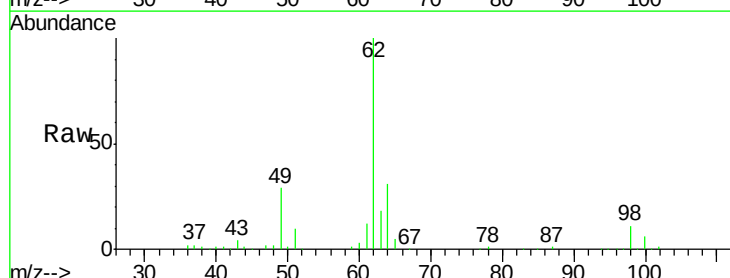
Manual Integrations
APPROVED

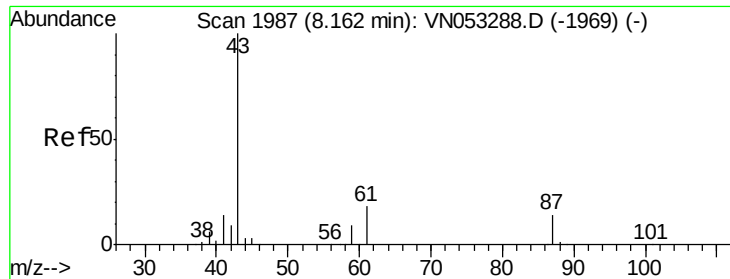
MMDadoda
1/10/2019 9:25:24 AM



#42
1,2-Dichloroethane
Concen: 19.848 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.1	0.0	20.2		





#43

Isopropyl Acetate

Concen: 18.027 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

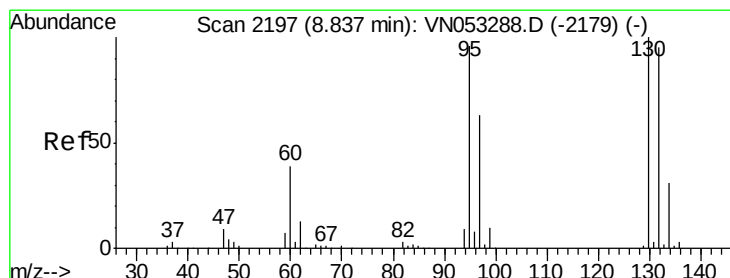
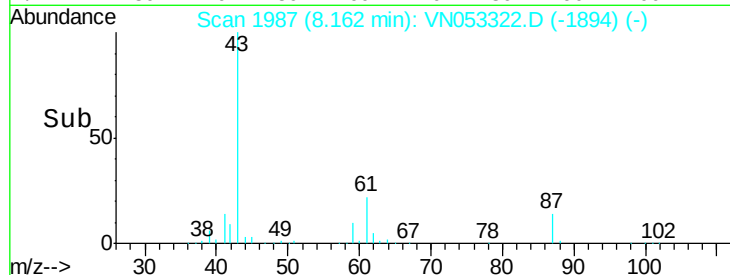
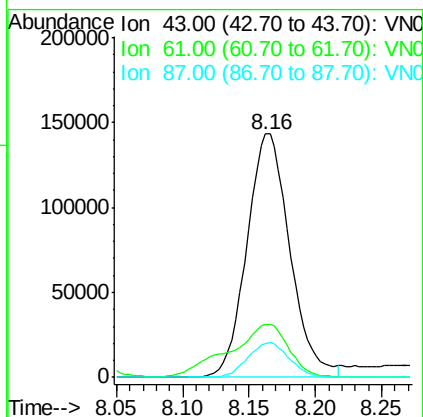
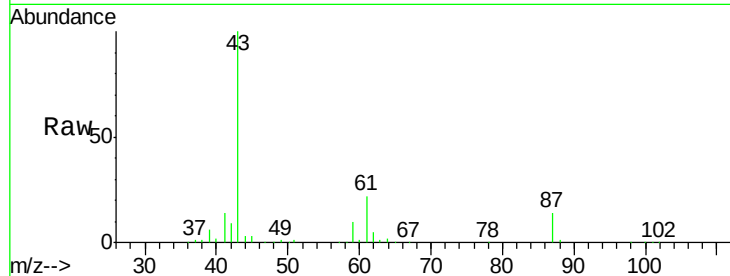
ClientSampleId :

VN0109WBSD01

Tot Ion:	43	Resp:	322591
Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.3	34.9
87	13.7	10.8	16.2

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#44

Trichloroethene

Concen: 19.609 ug/l

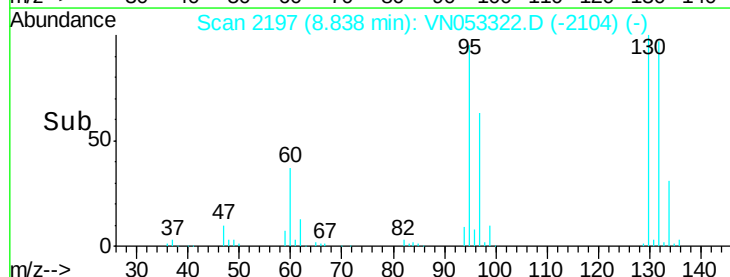
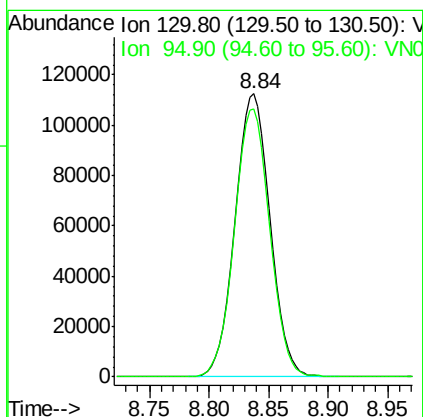
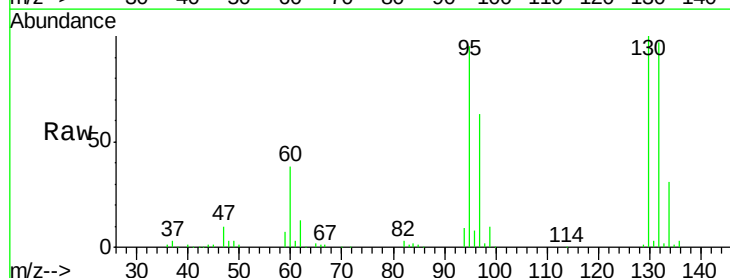
RT: 8.84 min Scan# 2197

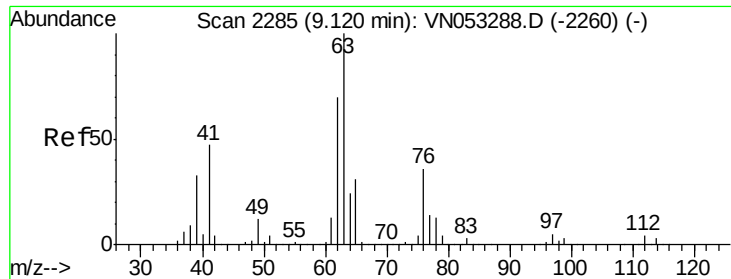
Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Tgt Ion:	130	Resp:	229682
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	191.8





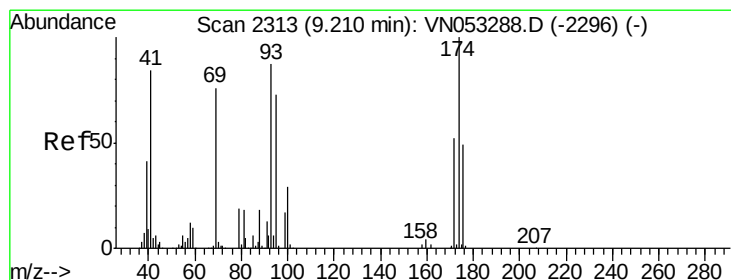
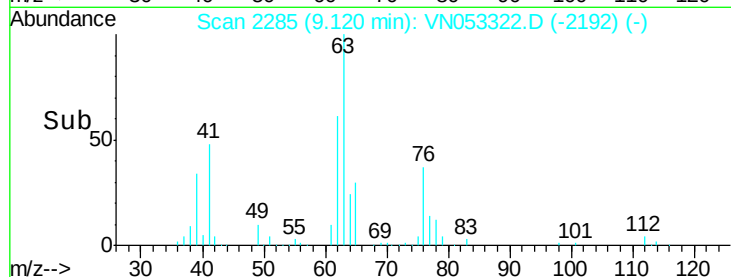
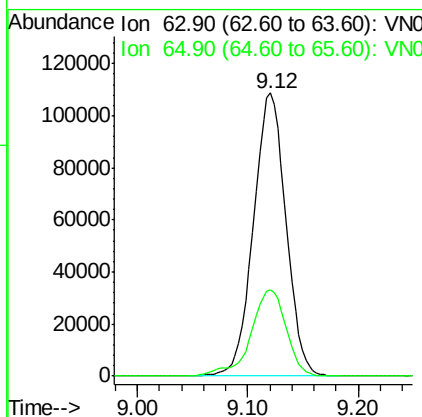
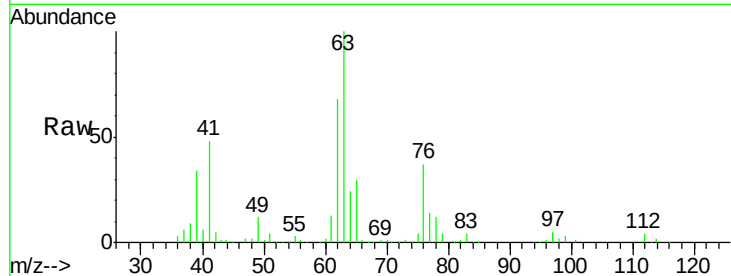
#45
 1,2-Dichloropropane
 Concen: 19.819 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBSD01

Tot Ion: 63 Resp: 221742
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.6

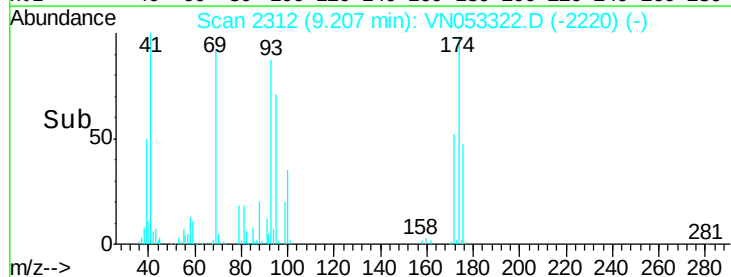
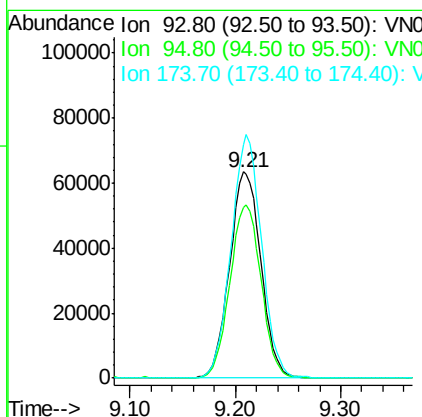
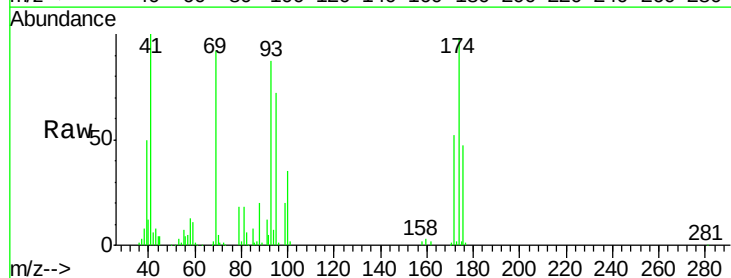
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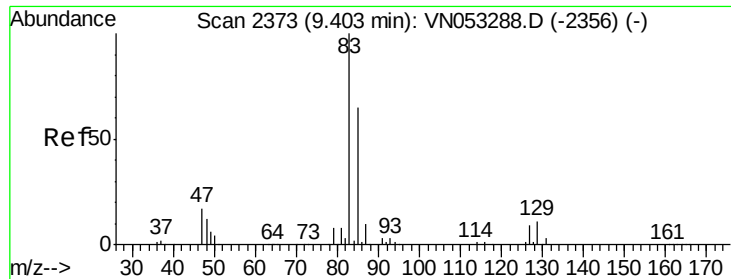
MMDadoda
 1/10/2019 9:25:24 AM



#46
 Dibromomethane
 Concen: 20.072 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Tgt Ion: 93 Resp: 130940
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 114.4 91.4 137.0





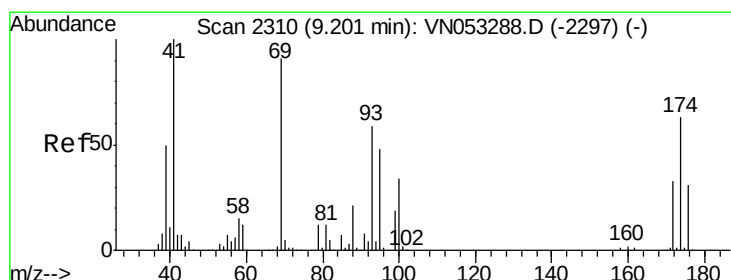
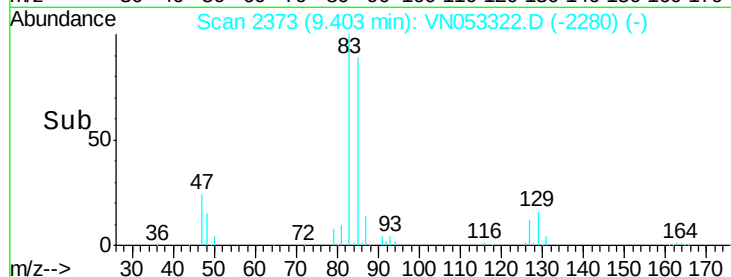
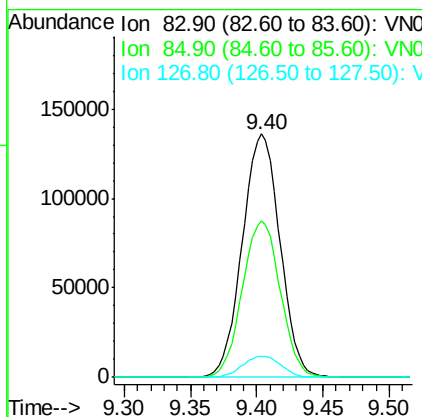
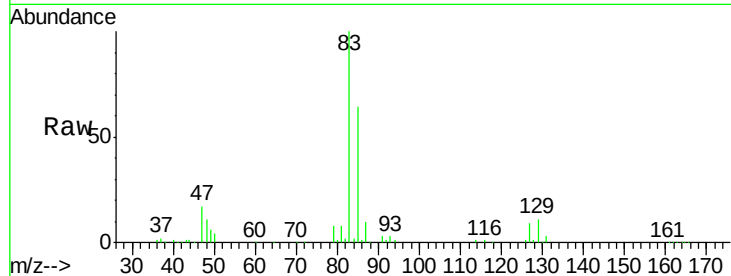
#47
Bromodichloromethane
Concen: 19.771 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion	83	Resp	268781
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.7	77.5
127	8.8	7.0	10.6

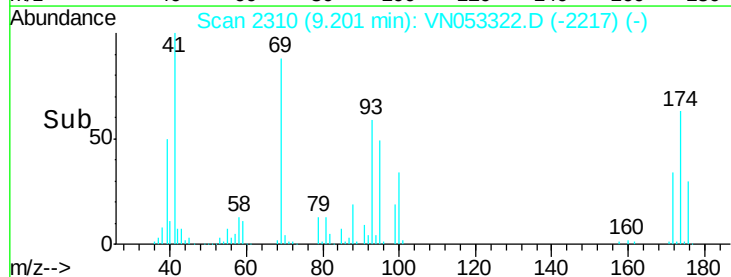
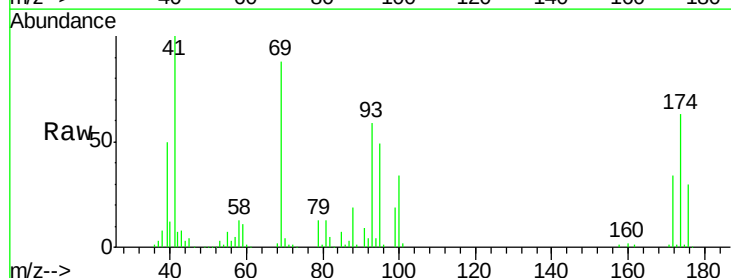
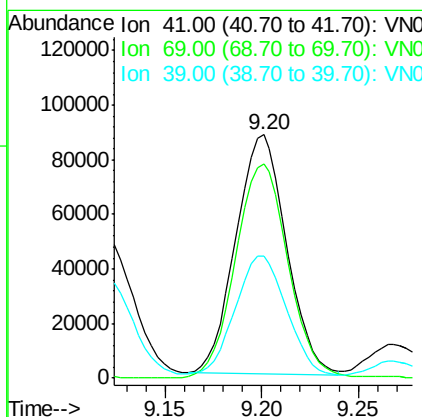
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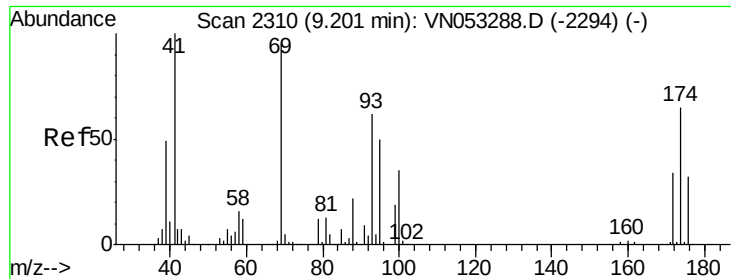
MMDadoda
1/10/2019 9:25:24 AM



#48
Methyl methacrylate
Concen: 19.714 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	41	Resp	160268
Ion Ratio	100	Lower	Upper
41	100		
69	93.0	73.5	110.3
39	52.9	41.6	62.4





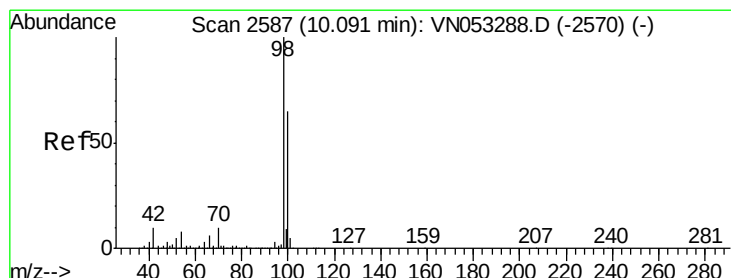
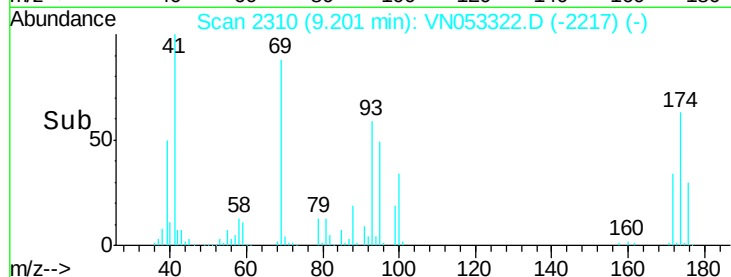
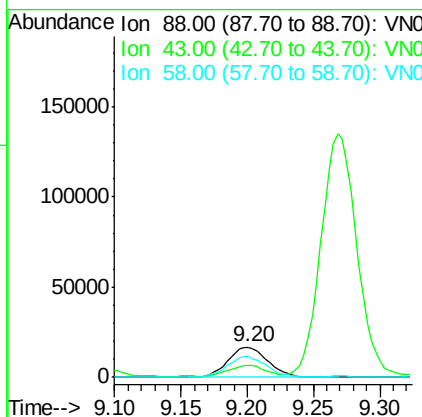
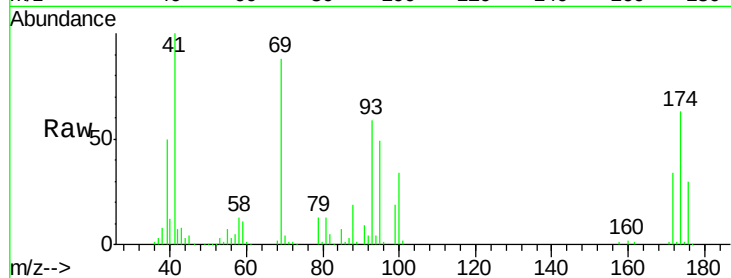
#49
1,4-Dioxane
Concen: 407.487 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampled :
VN0109WBSD01

Tot Ion	88	Resp	35295
Ion Ratio	100	Lower	Upper
88	100		
43	32.8	26.2	39.4
58	67.7	55.5	83.3

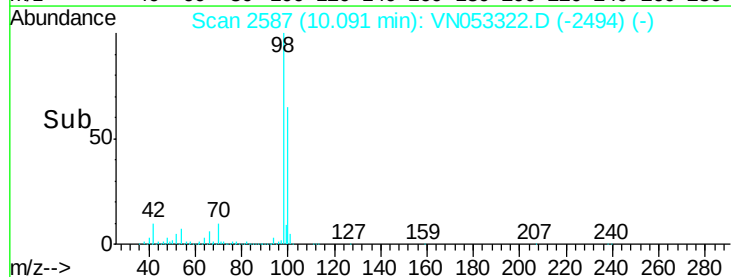
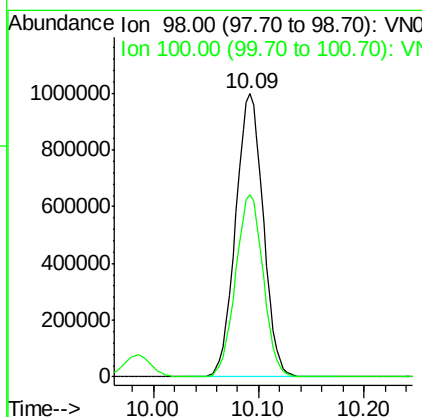
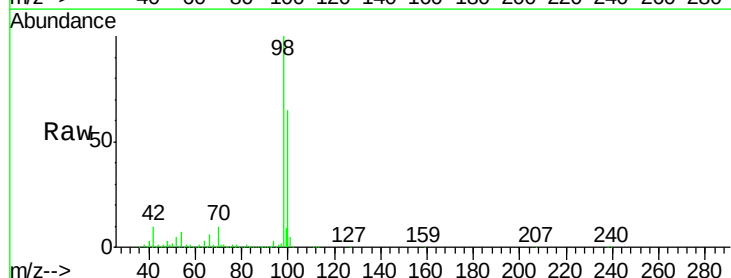
Manual Integrations
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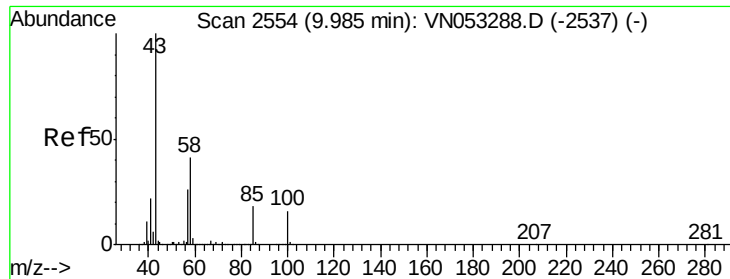
MMDadoda
1/10/2019 9:25:24 AM



#50
Toluene-d8
Concen: 407.487 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	98	Resp	1805165
Ion Ratio	100	Lower	Upper
98	100		
100	64.3	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 101.635 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBSD01

Tot Ion: 43 Resp: 914598

Ion Ratio Lower Upper

43 100

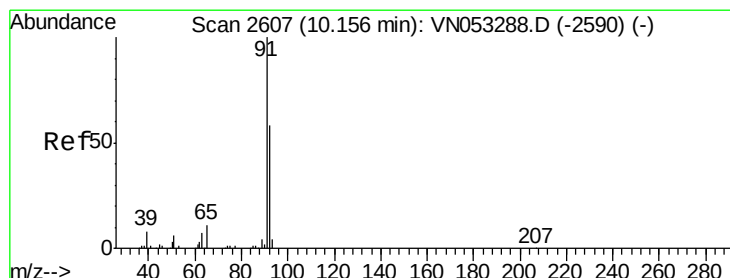
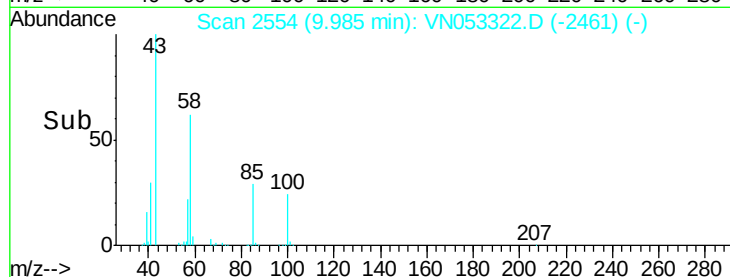
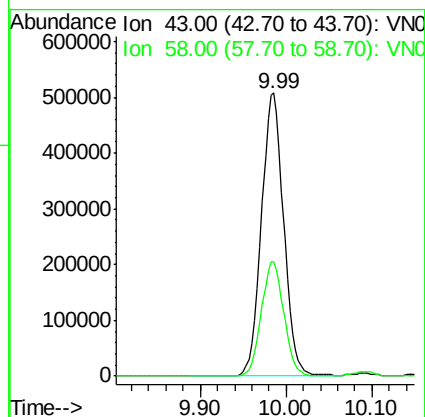
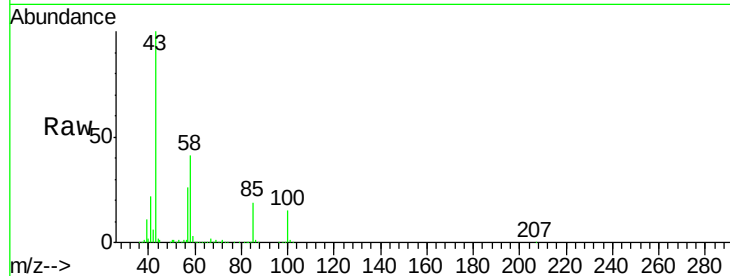
58 40.9 32.7 49.1

Manual Integrations

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#52

Toluene

Concen: 20.034 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053322.D

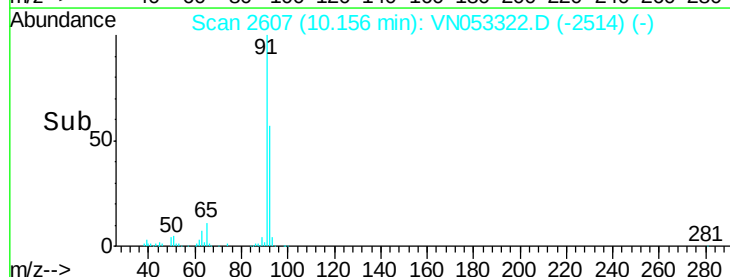
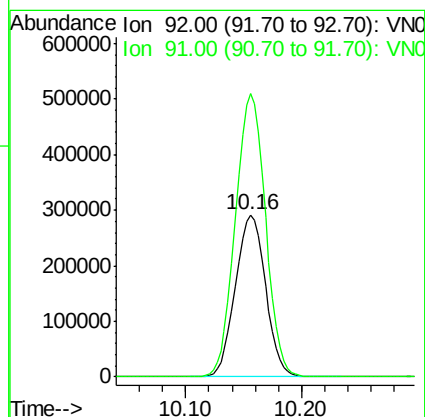
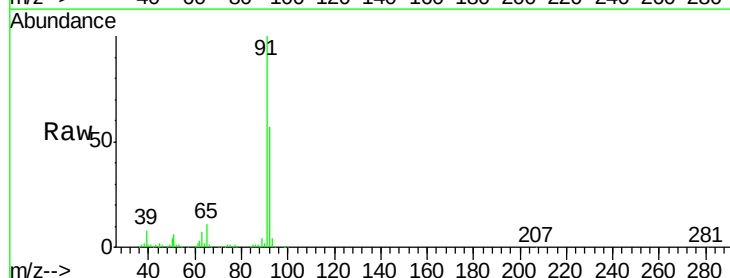
Acq: 9 Jan 2019 11:13

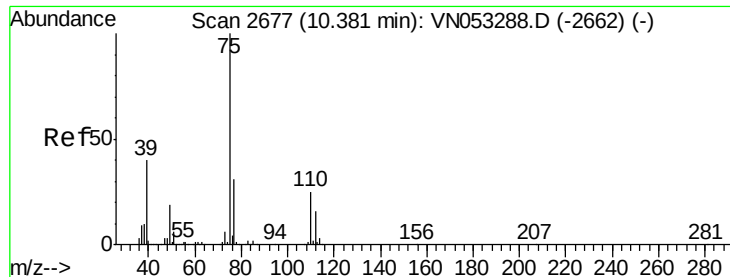
Tgt Ion: 92 Resp: 524306

Ion Ratio Lower Upper

92 100

91 174.5 138.6 208.0





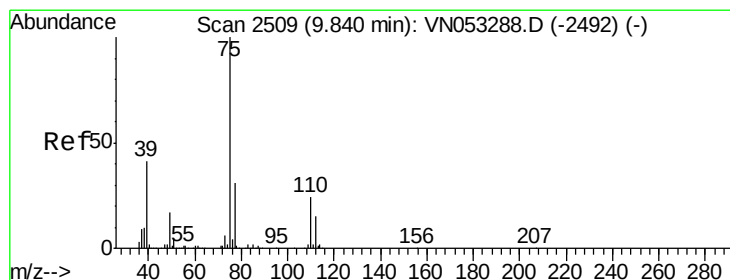
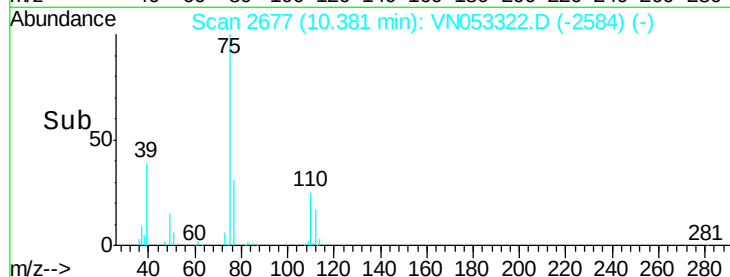
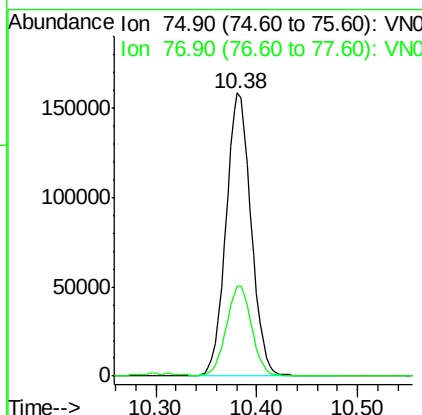
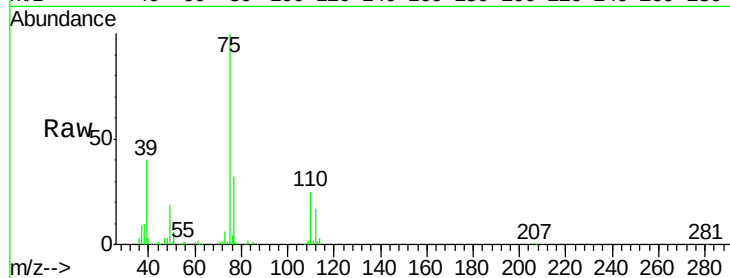
#53
t-1,3-Dichloropropene
Concen: 19.837 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampled :
VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4

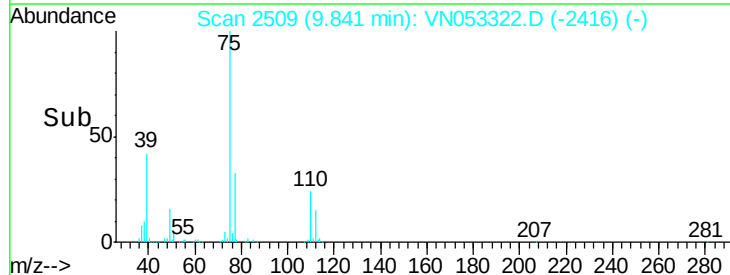
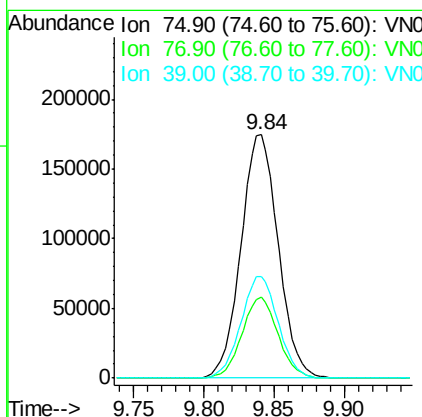
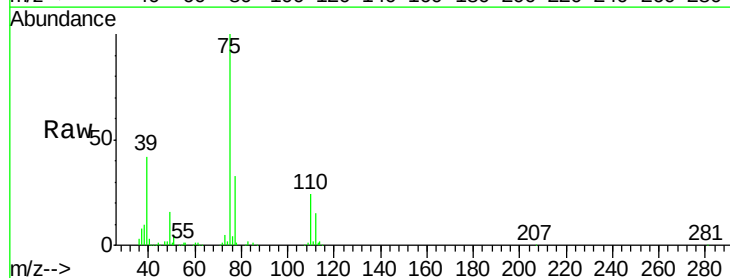
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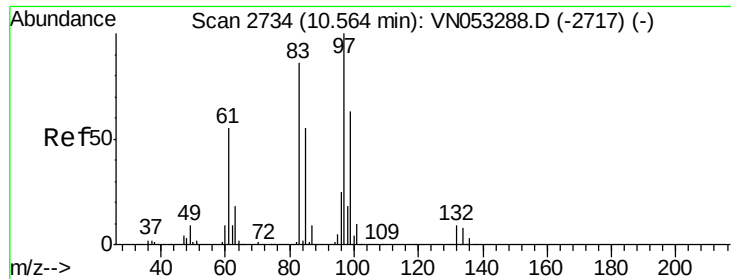
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.116 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.1	37.7
39	41.9	33.1	49.7





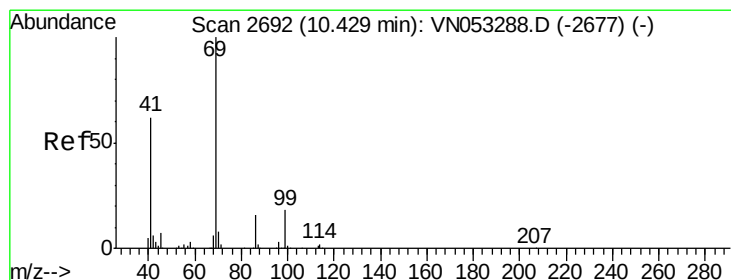
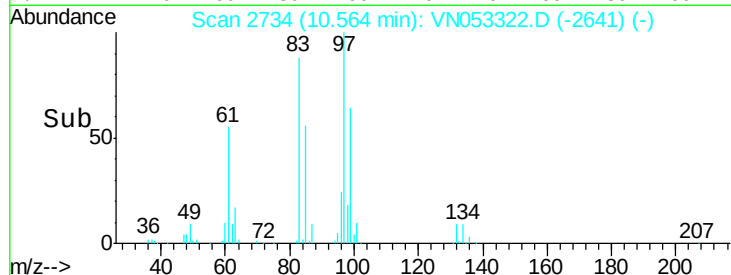
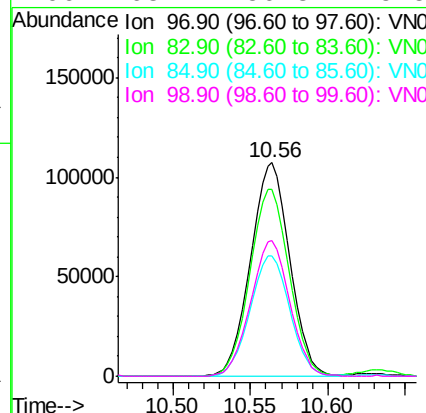
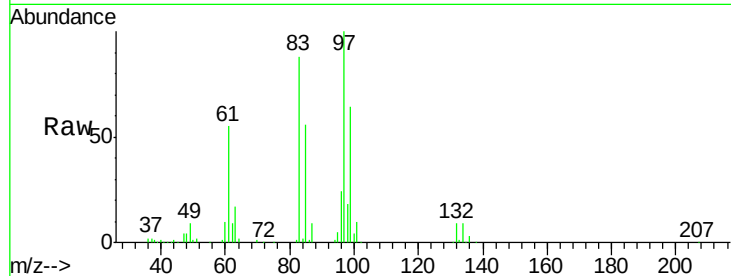
#55
 1,1,2-Trichloroethane
 Concen: 19.674 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	189315		
83	87.7	69.1	103.7	
85	56.3	44.2	66.4	
99	63.7	50.3	75.5	

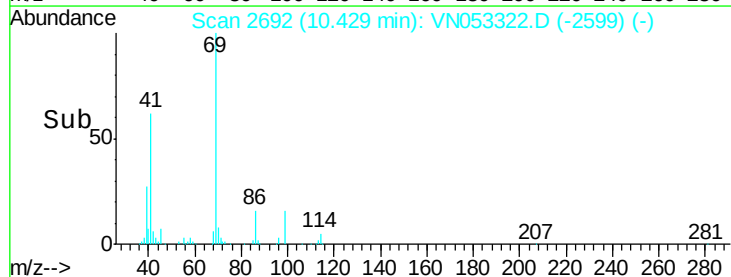
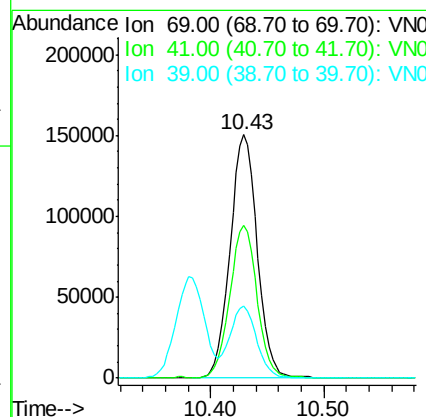
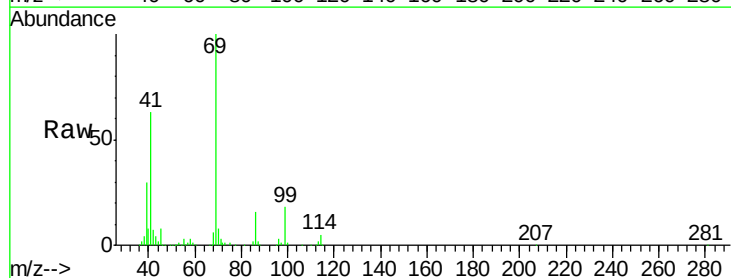
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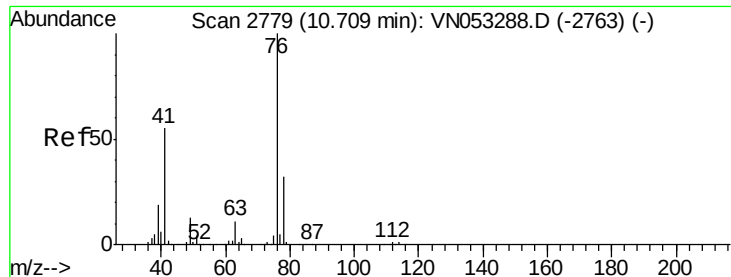
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.096 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	251302		
41	61.9	49.2	73.8	
39	29.2	23.4	35.0	





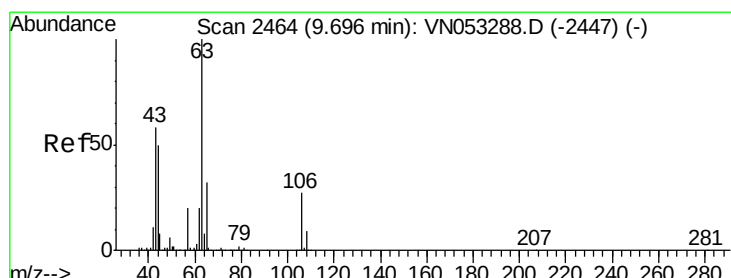
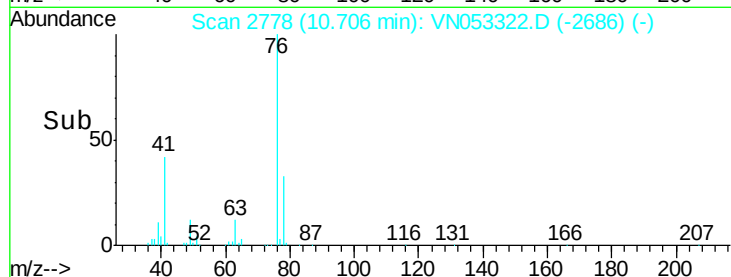
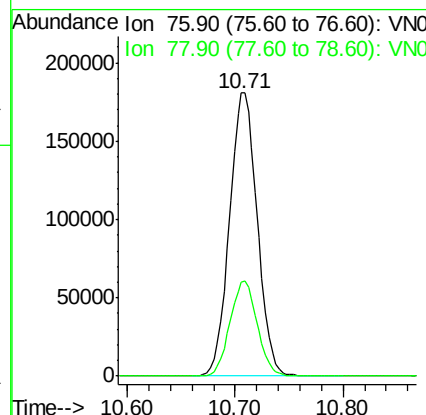
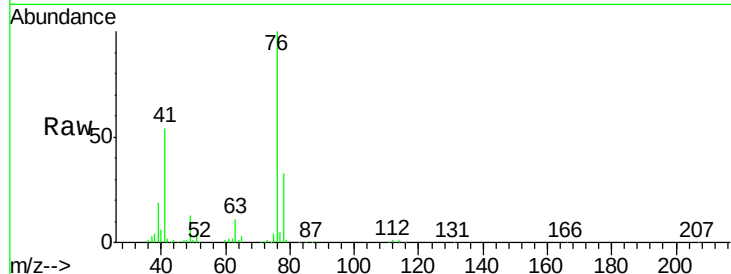
#57
 1,3-Dichloropropane
 Concen: 20.113 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.8

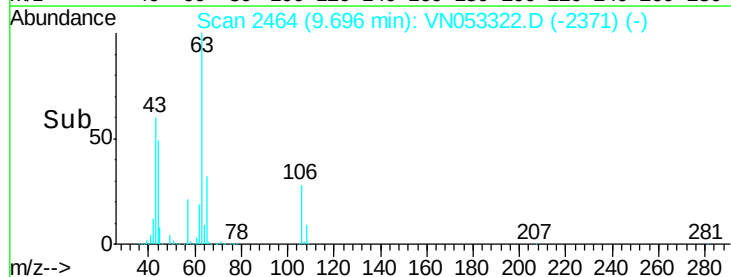
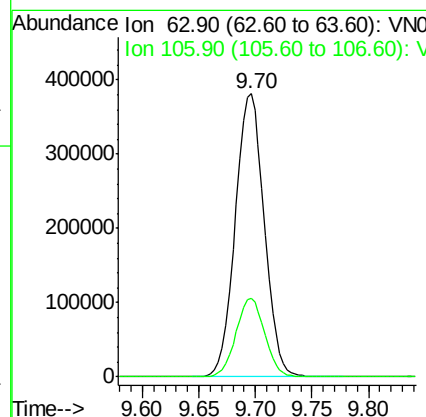
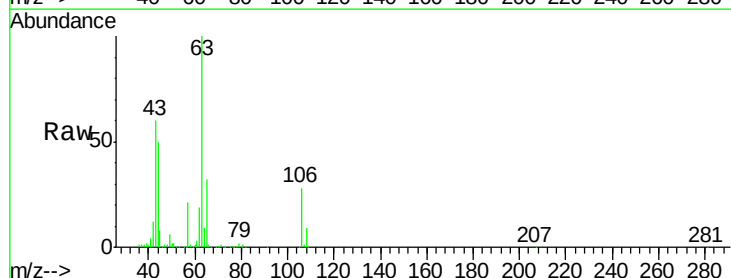
Manual Integrations
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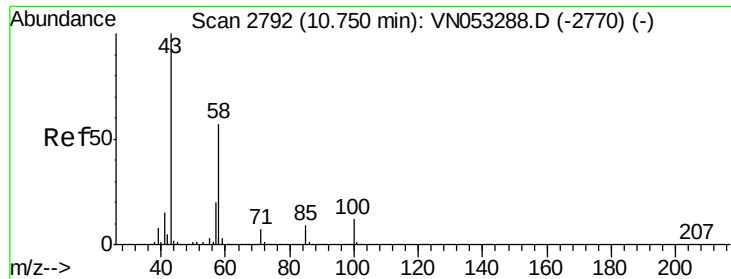
MMDadoda
 1/10/2019 9:25:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.712 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.7	32.5





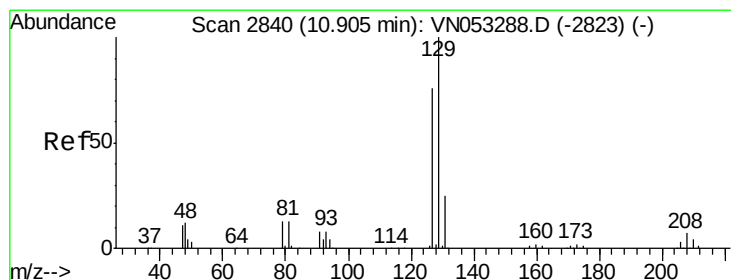
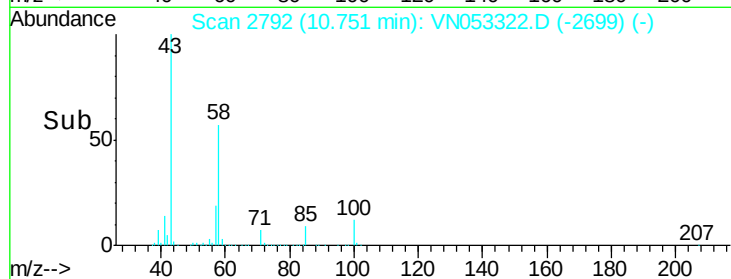
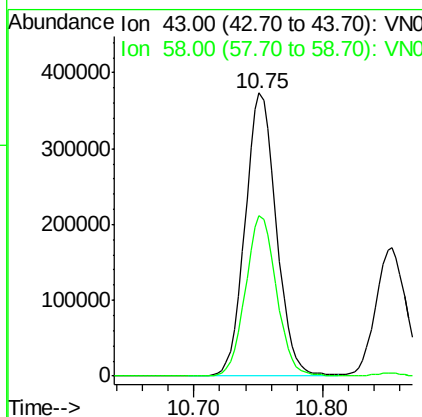
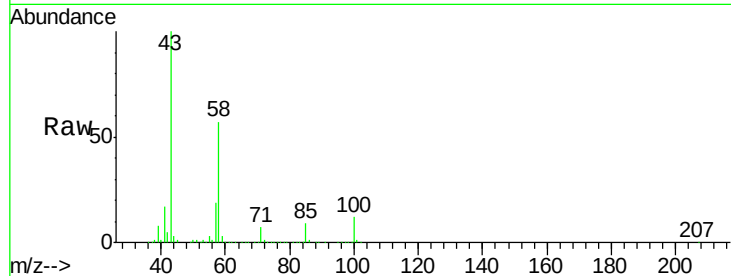
#59
2-Hexanone
Concen: 101.742 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion: 43 Resp: 627303
Ion Ratio Lower Upper
43 100
58 56.6 28.3 85.0

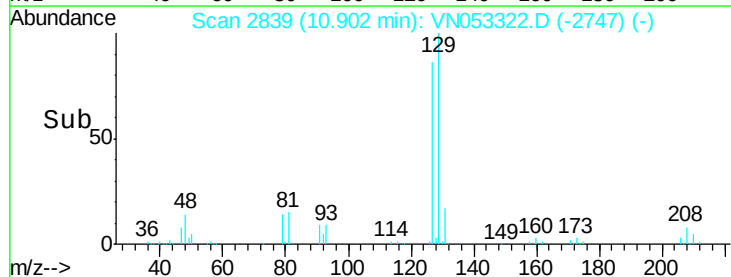
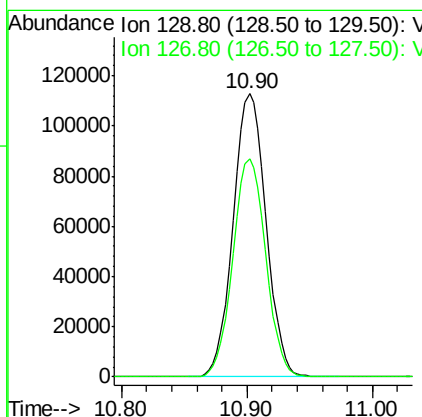
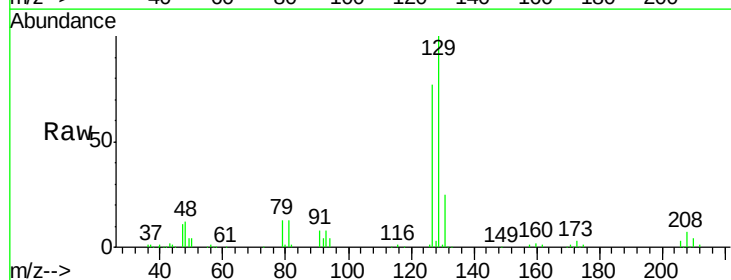
Manual Integrations
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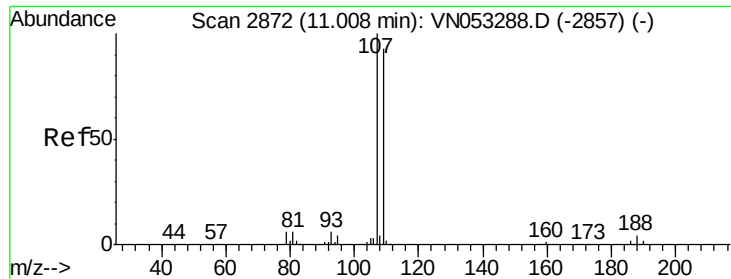
MMDadoda
1/10/2019 9:25:24 AM



#60
Dibromochloromethane
Concen: 19.820 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion: 129 Resp: 205711
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2





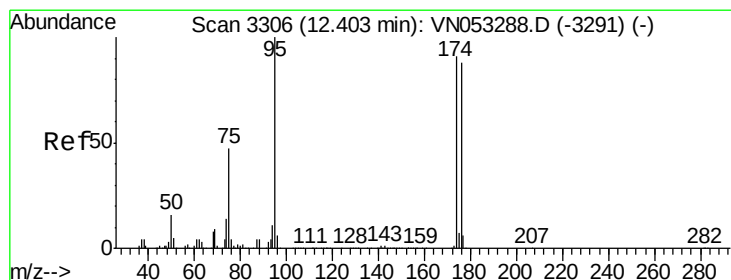
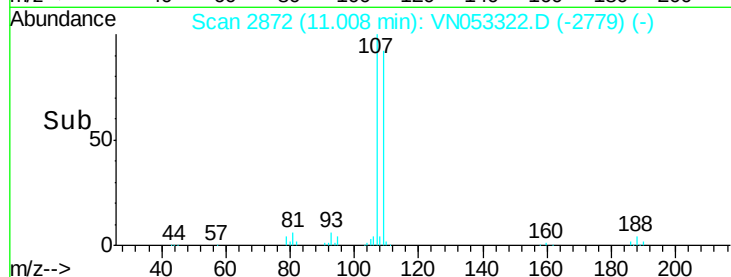
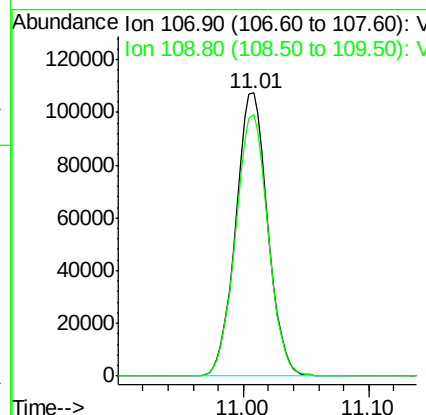
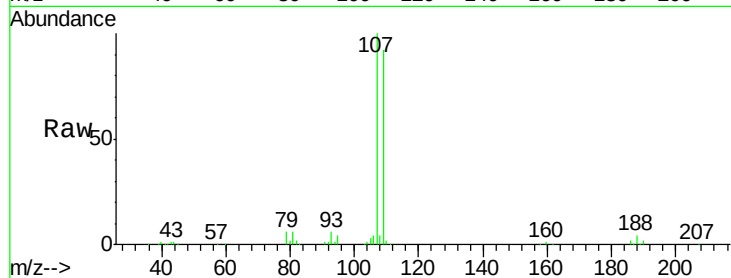
#61
 1,2-Dibromoethane
 Concen: 20.002 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.0	112.6

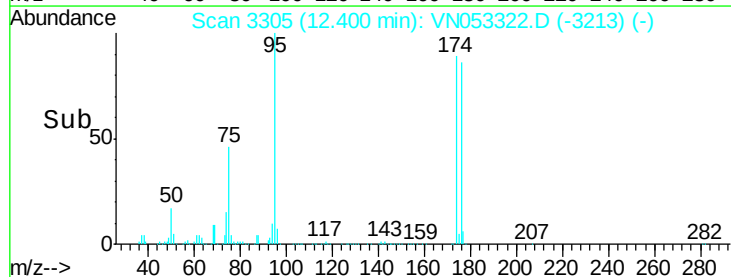
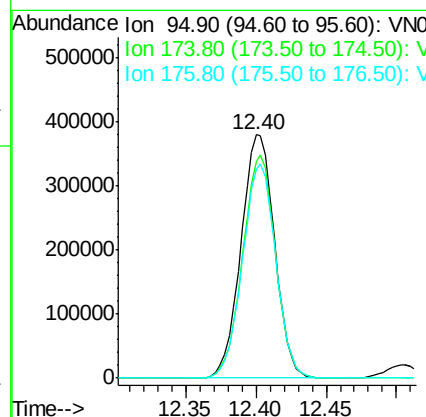
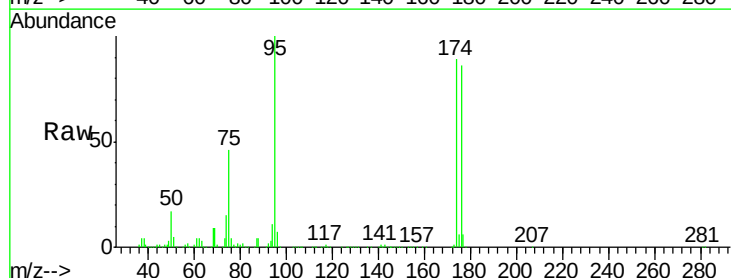
Manual Integrations
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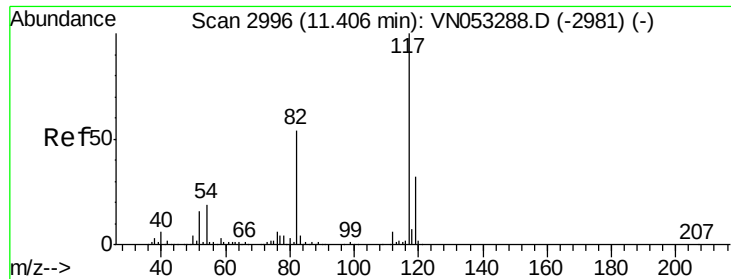
MMDadoda
 1/10/2019 9:25:24 AM



#62
 4-Bromofluorobenzene
 Concen: 20.002 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	180.4
176	87.2	0.0	175.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBSD01

Tot Ion:117 Resp: 1341436

Ion Ratio Lower Upper

117 100

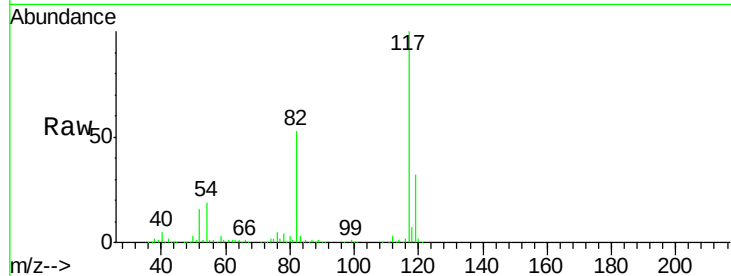
82 53.0 42.9 64.3

119 31.8 25.6 38.4

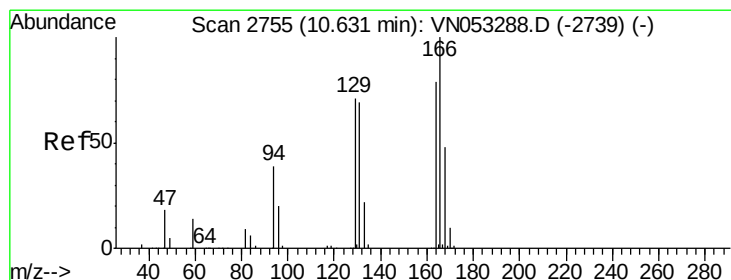
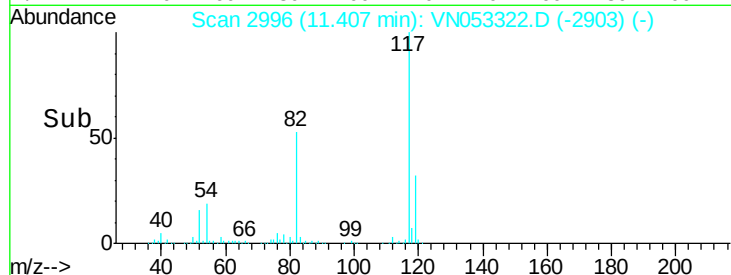
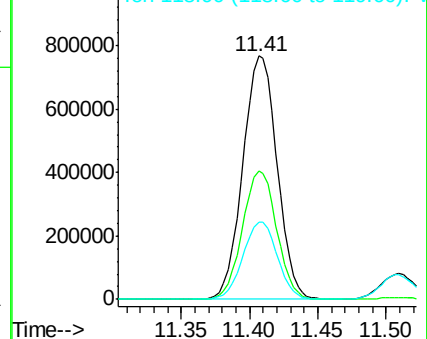
Manual Integrations
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.795 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Tgt Ion:164 Resp: 249928

Ion Ratio Lower Upper

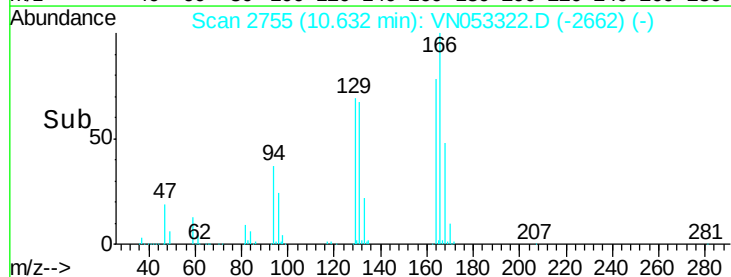
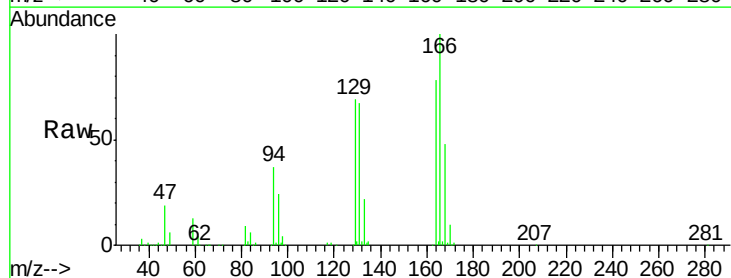
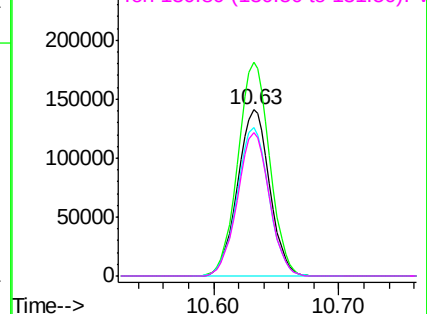
164 100

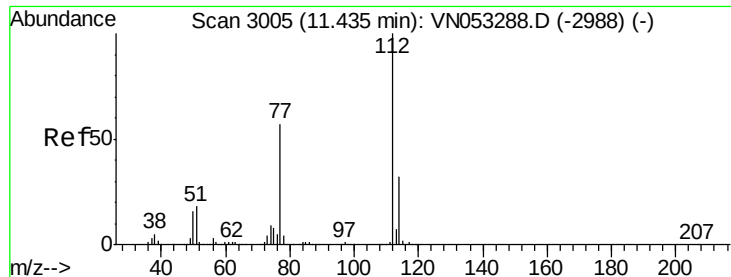
166 128.7 101.7 152.5

129 89.4 72.1 108.1

131 86.3 69.9 104.9

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





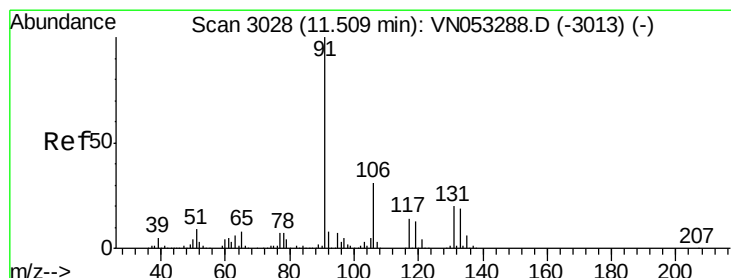
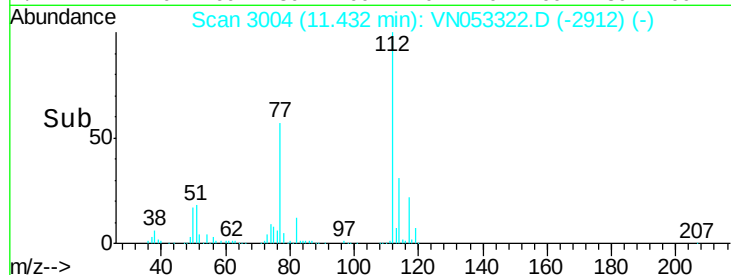
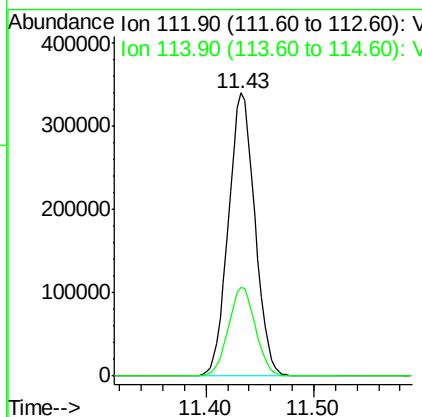
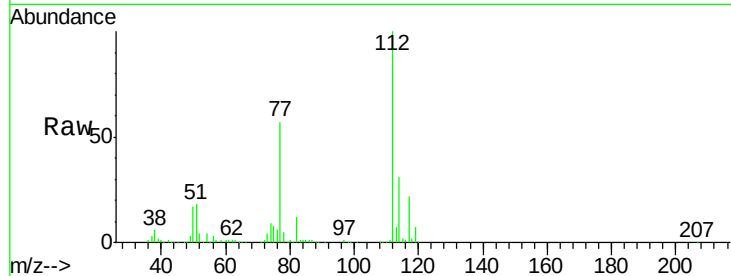
#65
Chlorobenzene
Concen: 19.963 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion:112 Resp: 581732
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4

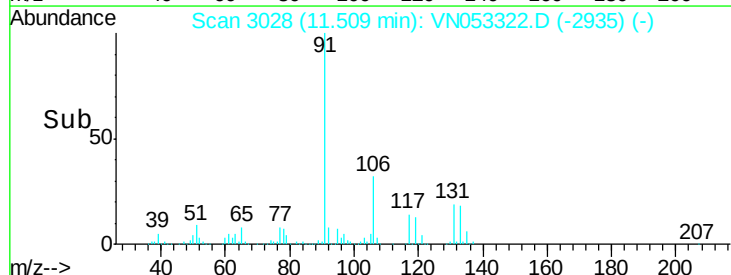
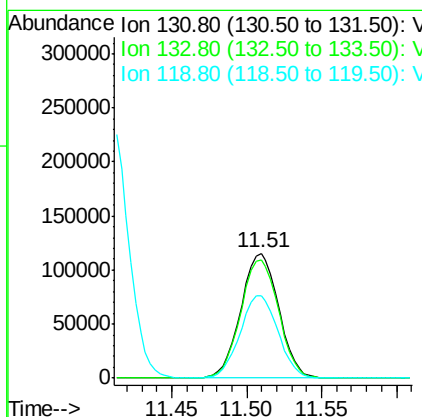
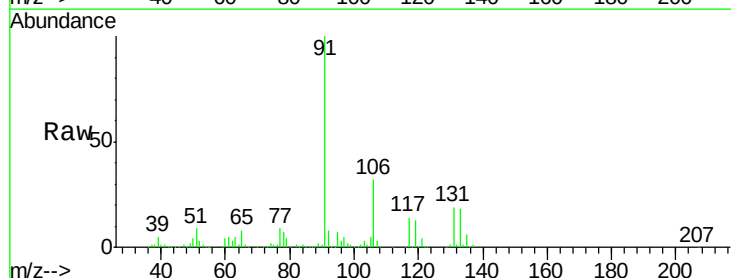
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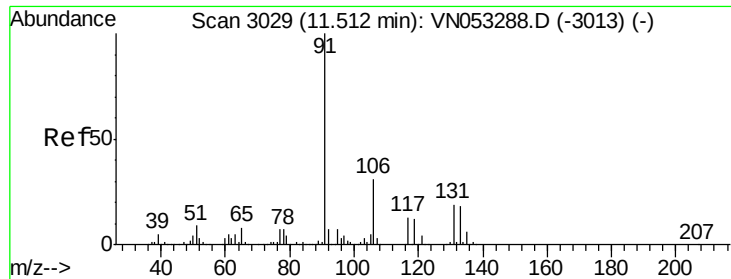
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.878 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion:131 Resp: 202753
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 66.8 33.3 99.9





#67

Ethyl Benzene

Concen: 19.989 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBSD01

Tot Ion: 91 Resp: 989814

Ion Ratio Lower Upper

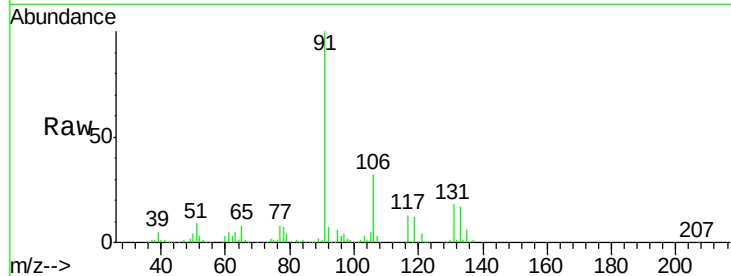
91 100

106 31.8 25.0 37.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN053322.D (-2936) (-)

Ion 106.00 (105.70 to 106.70): VN053322.D (-2936) (-)

800000

600000

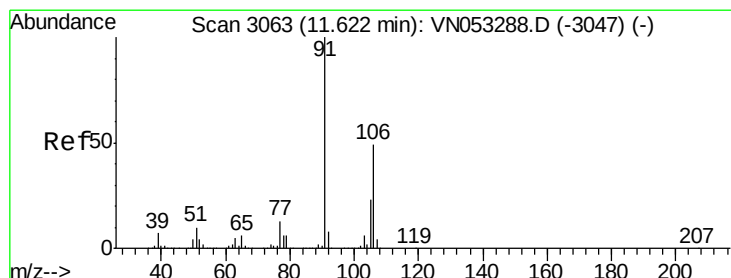
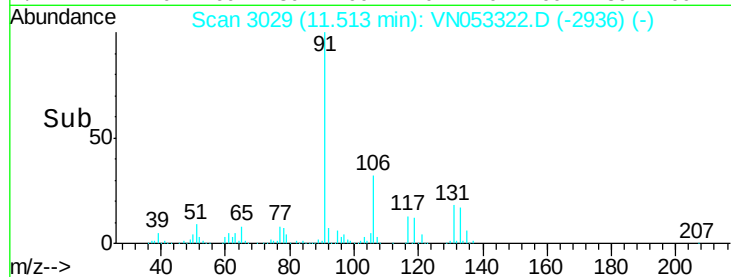
400000

200000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 40.860 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053322.D

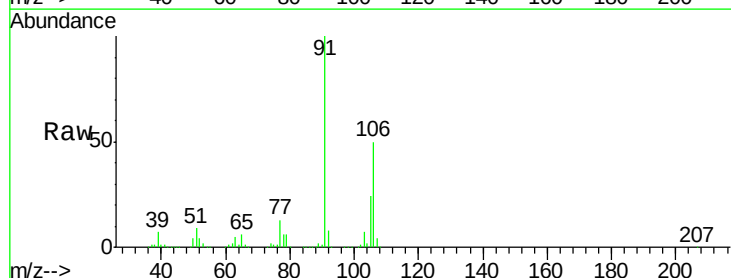
Acq: 9 Jan 2019 11:13

Tgt Ion: 106 Resp: 760810

Ion Ratio Lower Upper

106 100

91 200.2 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): VN053322.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN053322.D (-2970) (-)

800000

600000

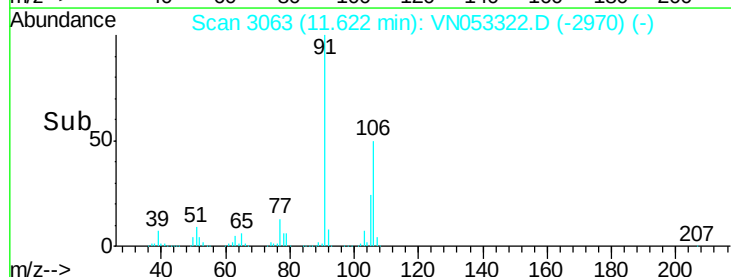
400000

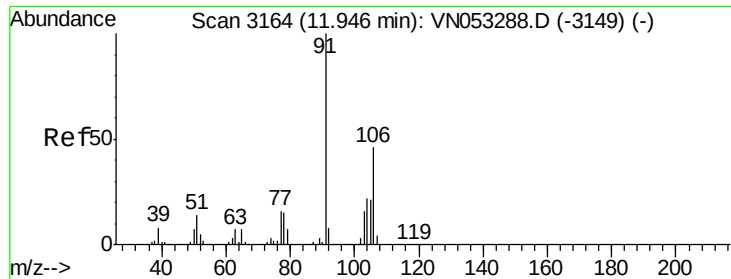
200000

0

11.50 11.60 11.70

Time-->





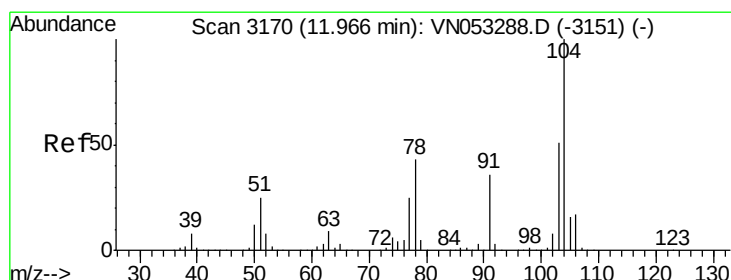
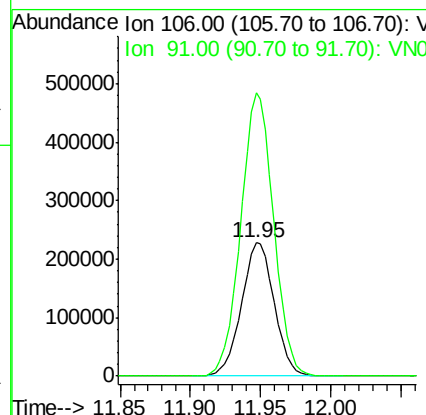
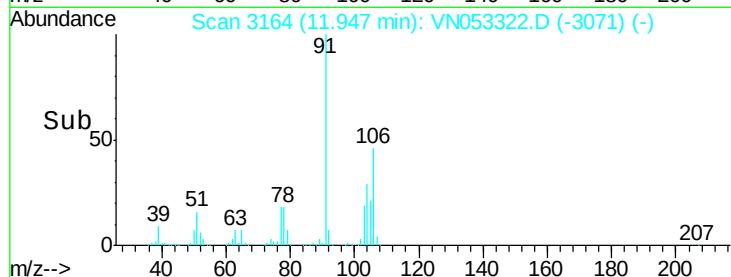
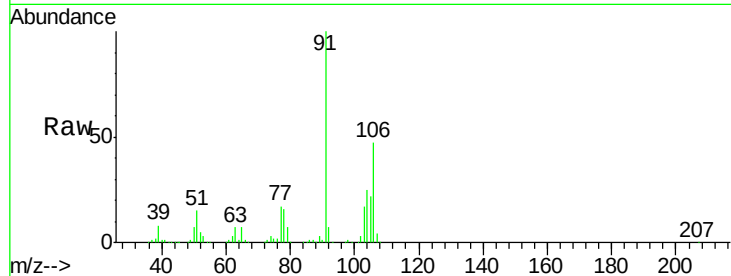
#69
o-Xylene
Concen: 20.309 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion:106 Resp: 370218
Ion Ratio Lower Upper
106 100
91 212.9 106.8 320.4

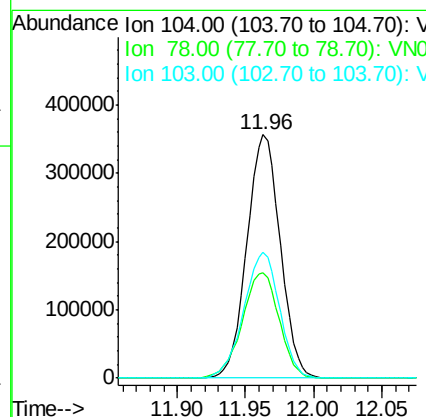
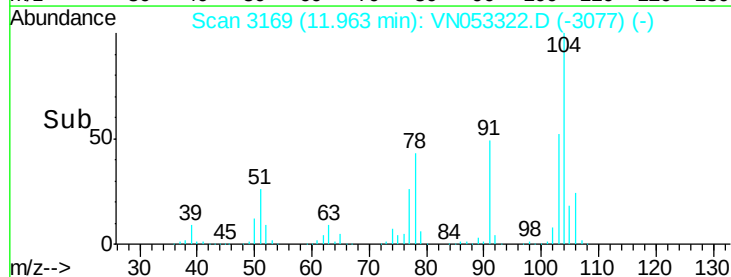
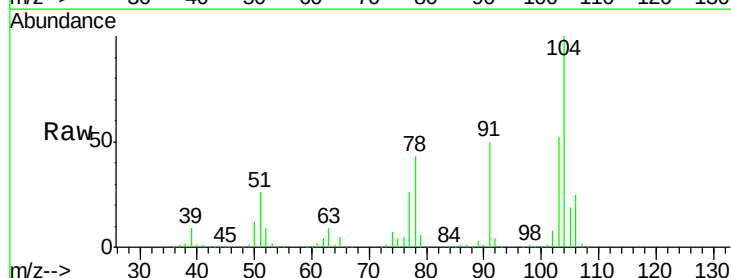
Manual Integrations
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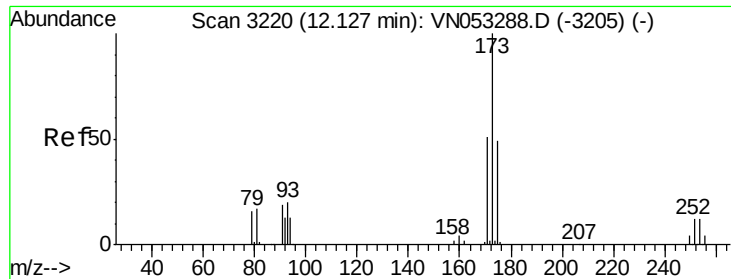
MMDadoda
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#70
Styrene
Concen: 20.378 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion:104 Resp: 604557
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 55.4 44.5 66.7





#71

Bromoform

Concen: 20.310 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

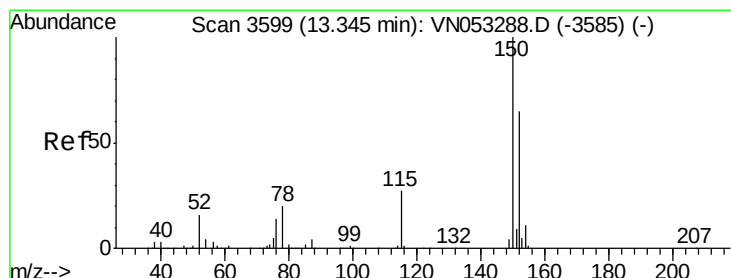
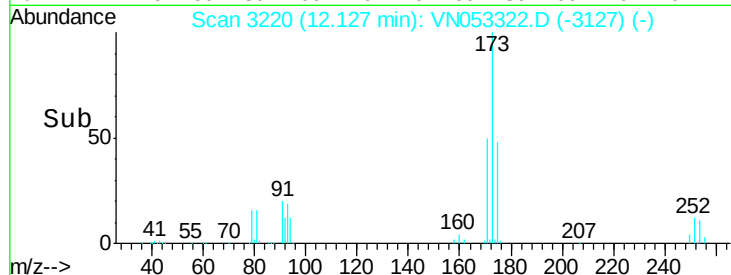
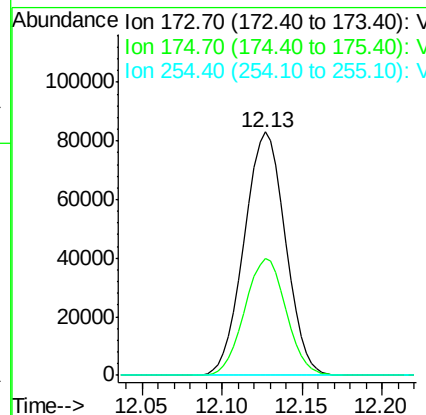
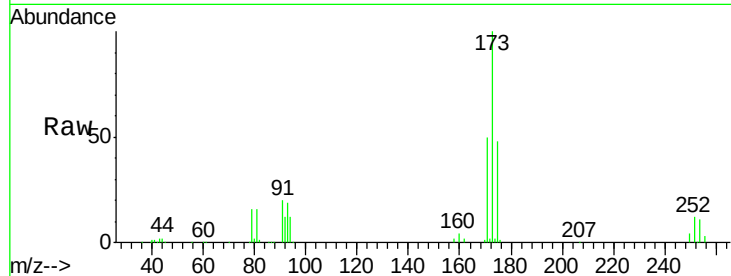
ClientSampleId :

VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.8
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

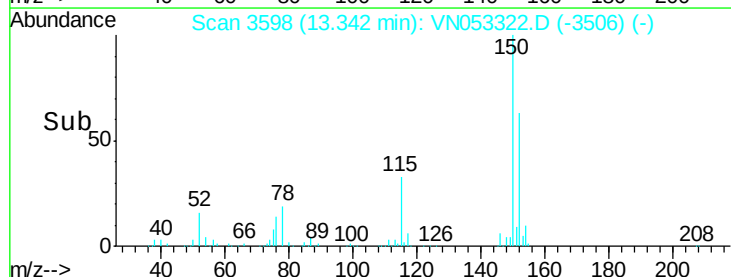
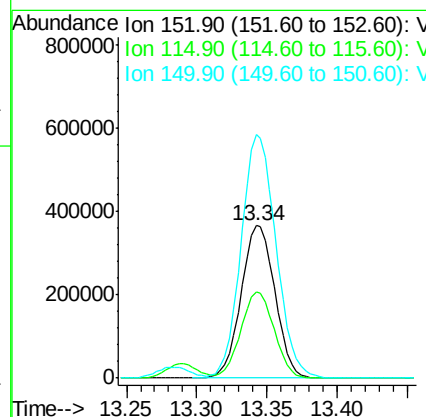
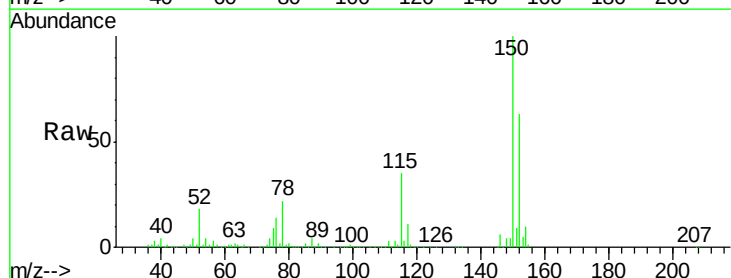
RT: 13.34 min Scan# 3598

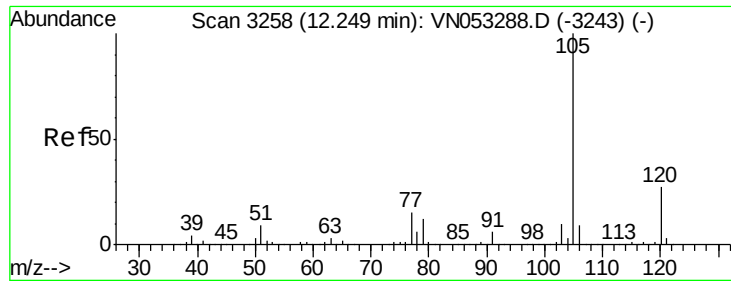
Delta R.T. -0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.0	84.0
150	164.7	0.0	346.6





#73

Isopropylbenzene

Concen: 21.052 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBSD01

Tot Ion:105 Resp: 966163

Ion Ratio Lower Upper

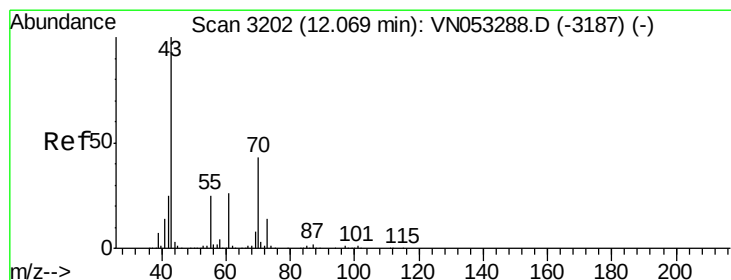
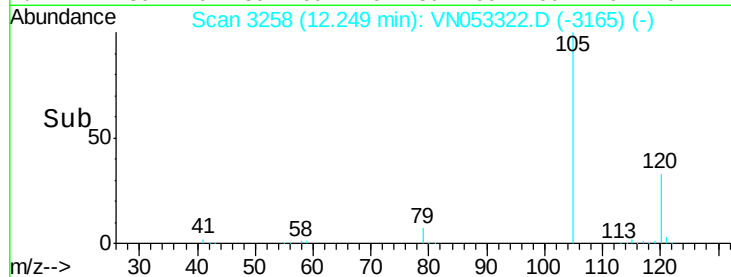
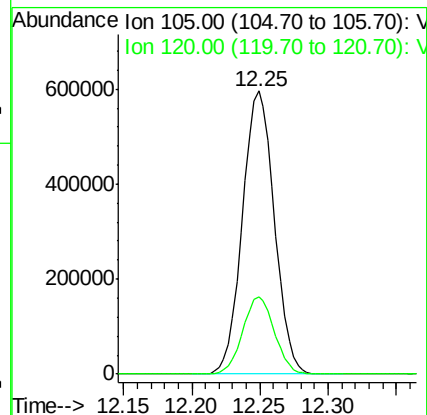
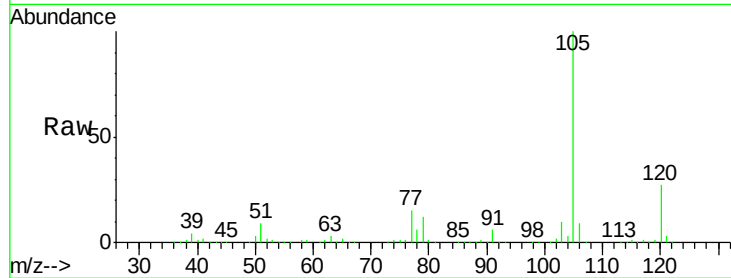
105 100

120 27.2 13.4 40.2

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#74

N-ethyl acetate

Concen: 20.807 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Tgt Ion: 43 Resp: 285153

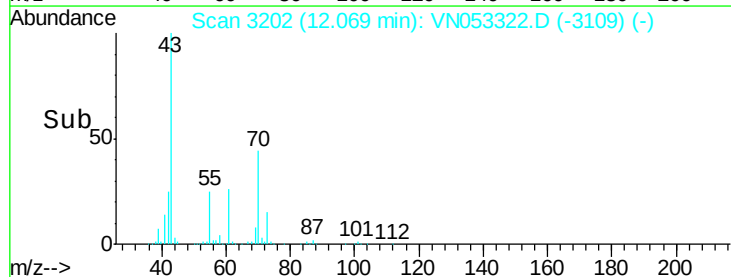
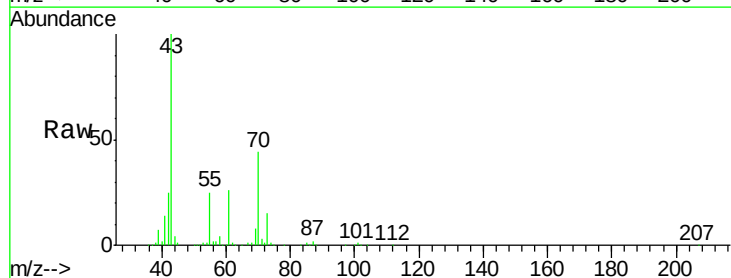
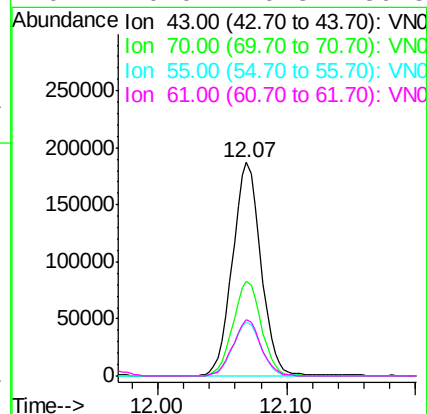
Ion Ratio Lower Upper

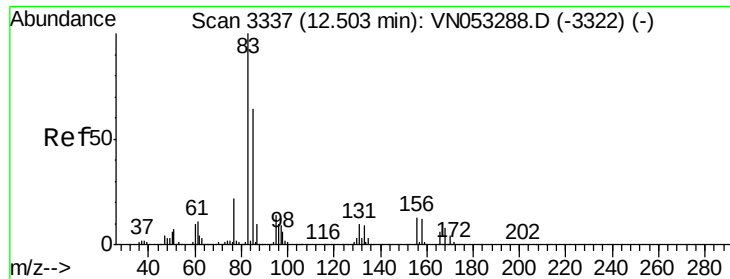
43 100

70 44.6 35.0 52.6

55 25.2 20.0 30.0

61 26.0 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.284 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBSD01

Tot Ion: 83 Resp: 224702

Ion Ratio Lower Upper

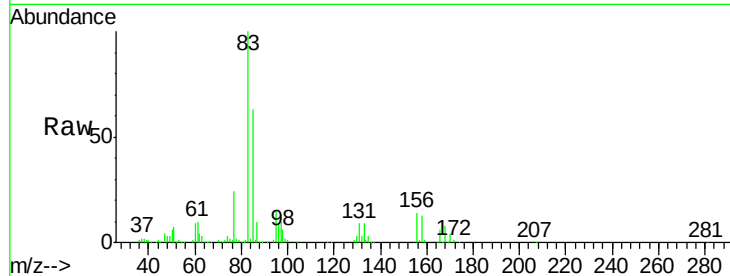
83 100

131 9.9 5.3 15.9

85 64.0 32.3 96.8

Manual Integrations
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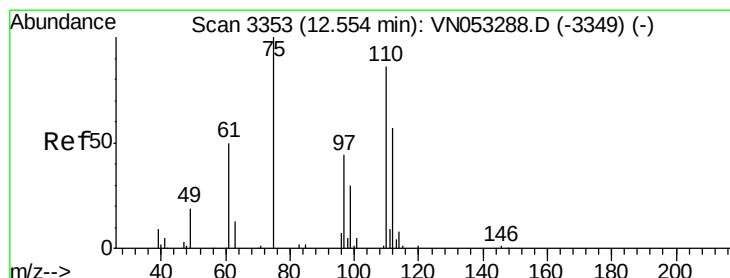
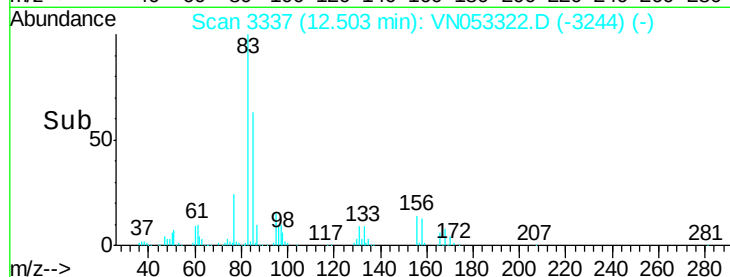
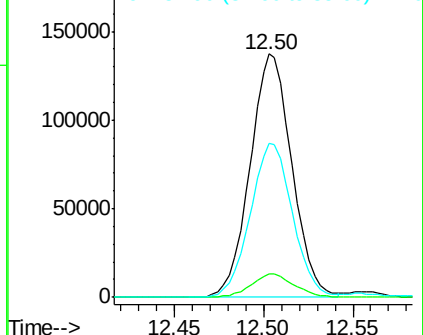
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 21.711 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053322.D

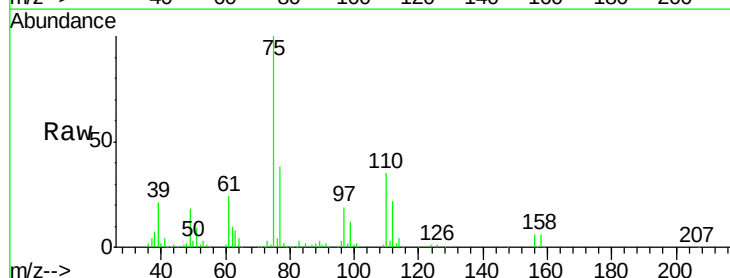
Acq: 9 Jan 2019 11:13

Tgt Ion: 75 Resp: 195199

Ion Ratio Lower Upper

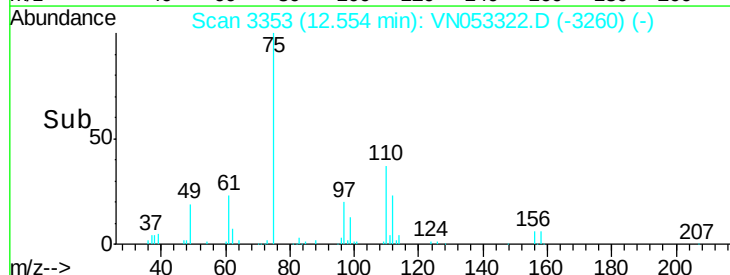
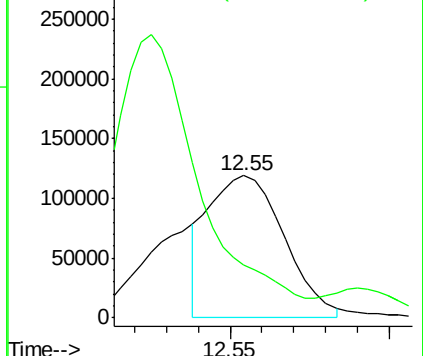
75 100

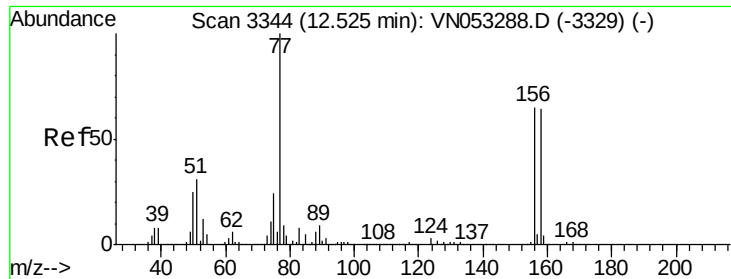
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.838 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

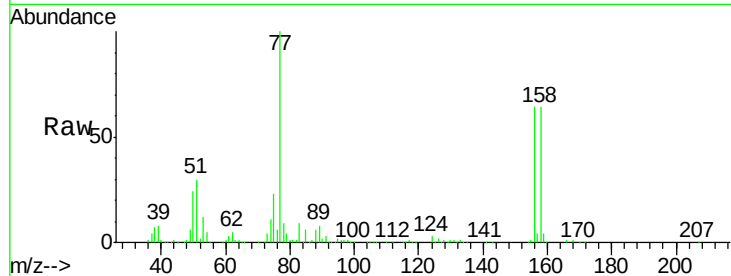
ClientSampleId :

VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.1	89.3	268.1
158	98.8	48.9	146.8

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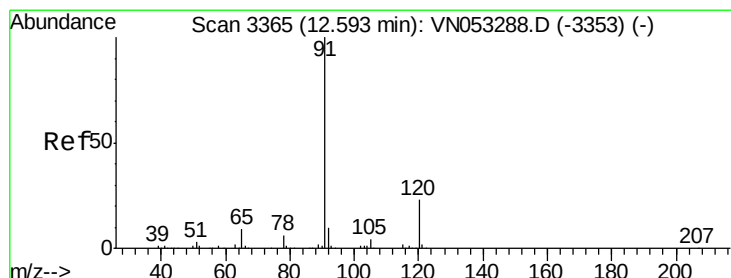
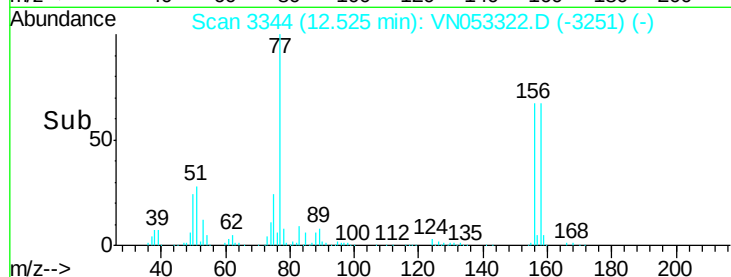
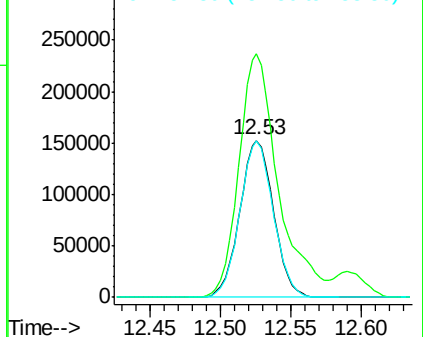


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.761 ug/l

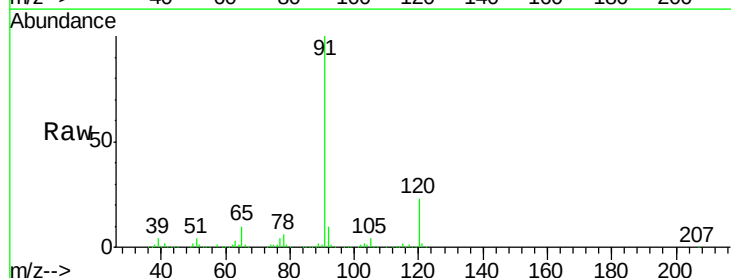
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

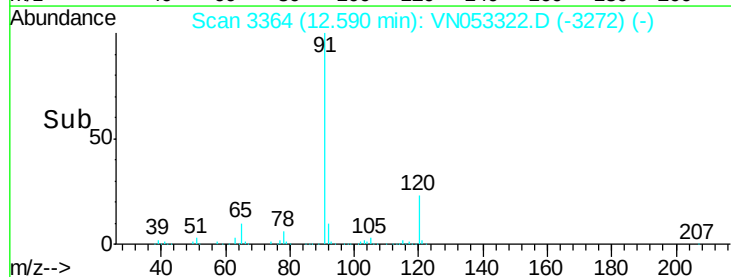
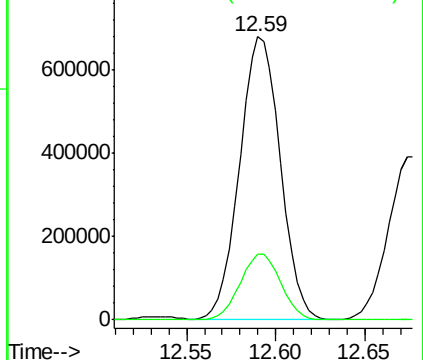
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5

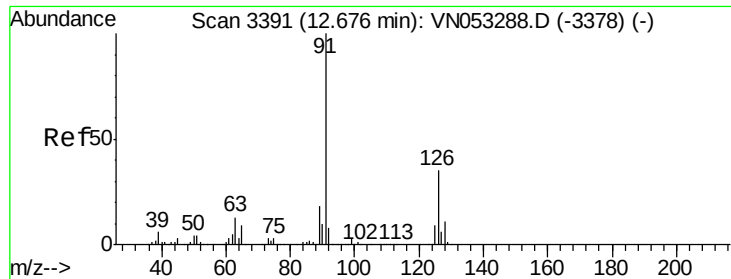


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





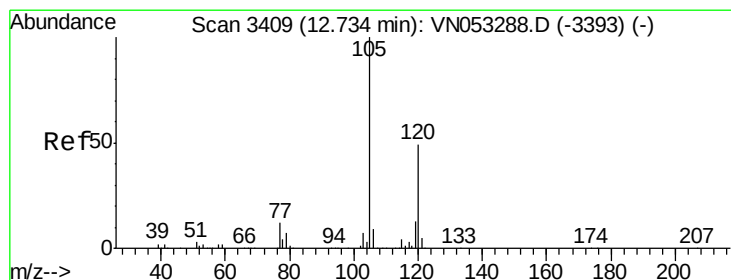
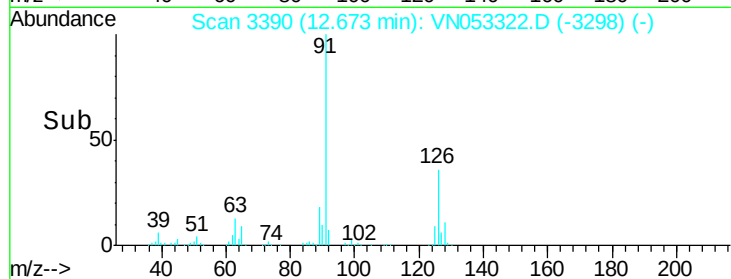
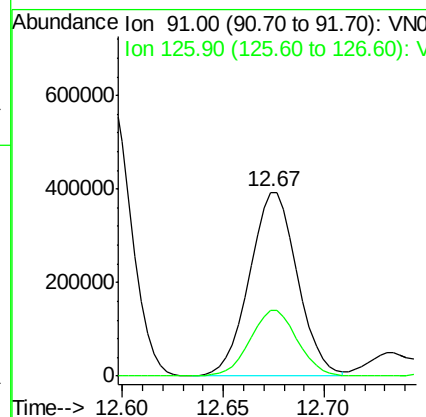
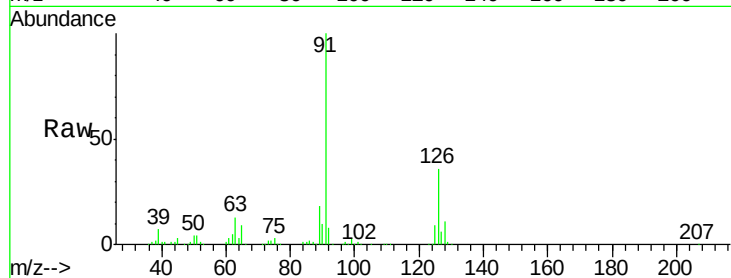
#79
 2-Chlorotoluene
 Concen: 20.688 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBSD01

Tot Ion: 91 Resp: 649851
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.5 52.5

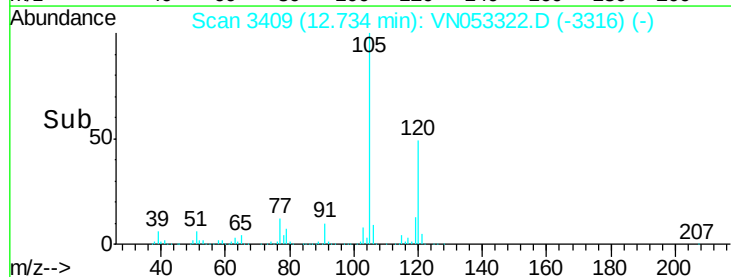
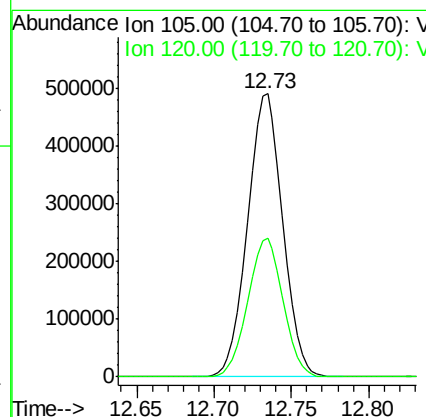
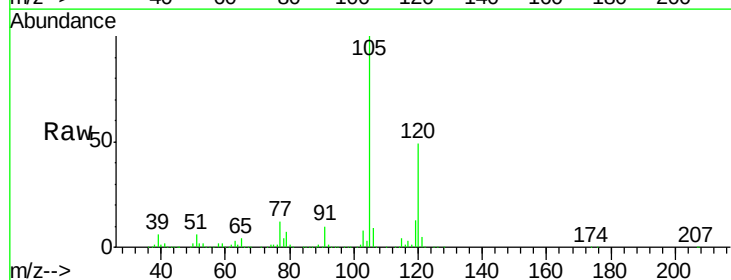
Manual Integrations
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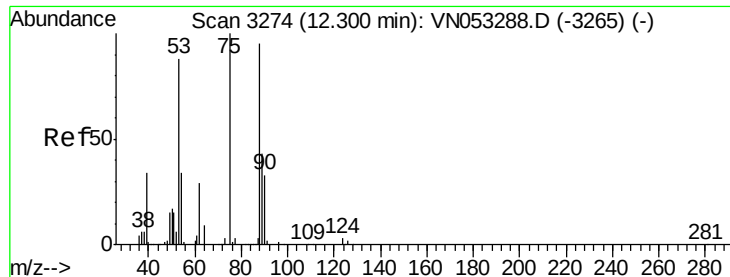
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.919 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Tgt Ion: 105 Resp: 773323
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.7 74.1





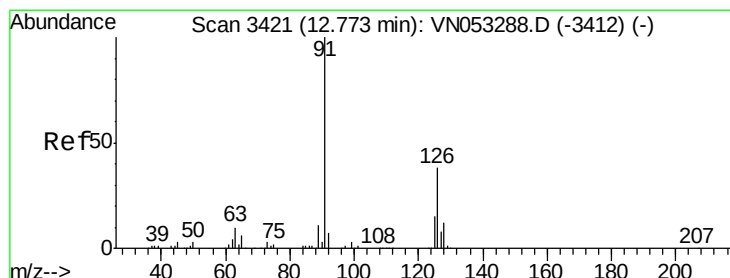
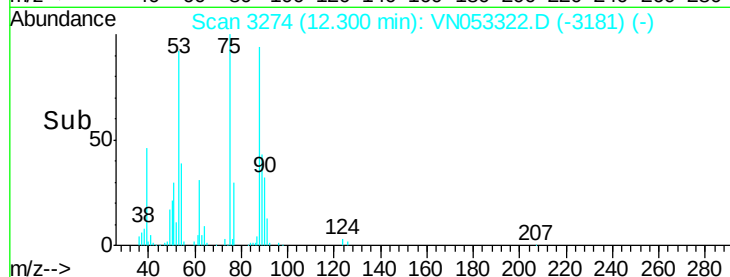
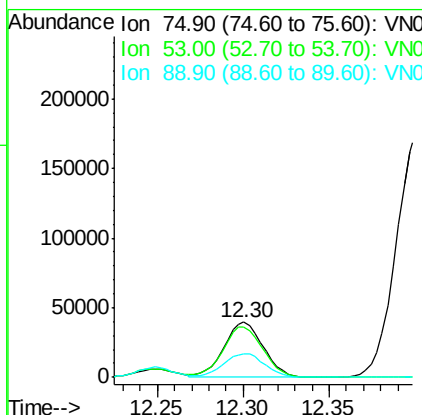
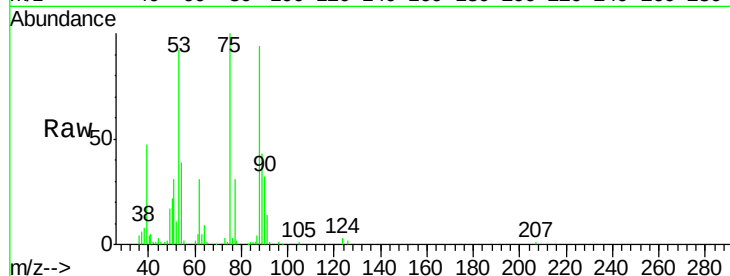
#81
trans-1,4-Dichloro-2-butene
Concen: 20.960 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.5	70.5	105.7
89	44.1	35.4	53.0

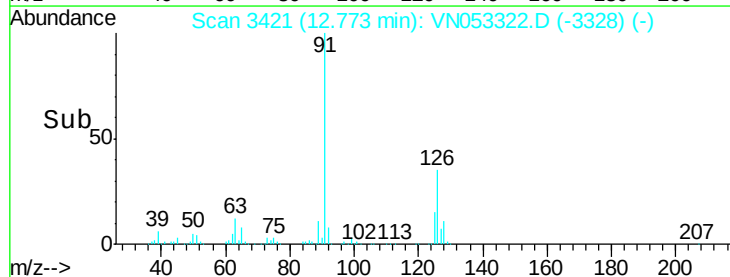
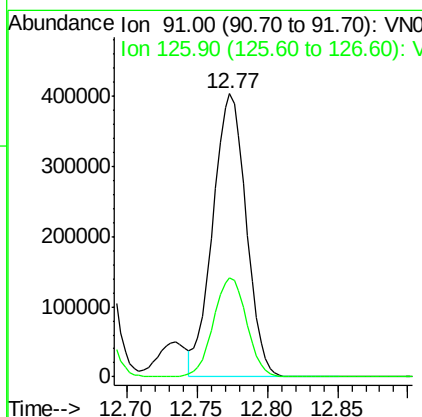
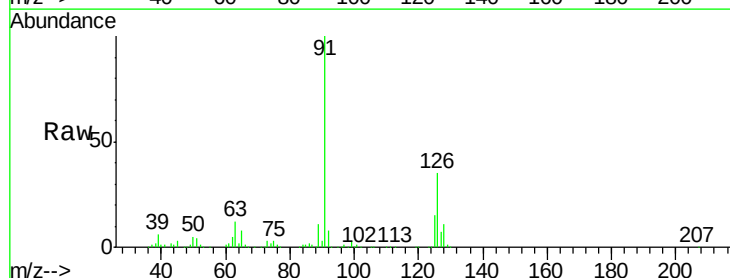
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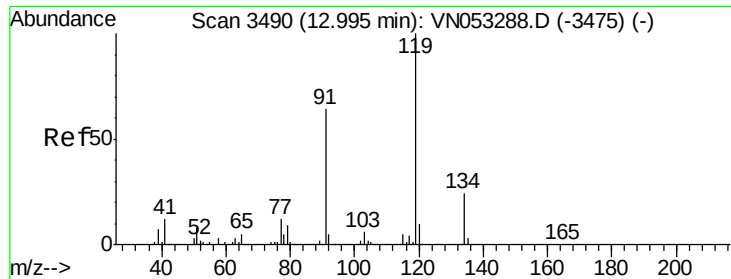
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#82
4-Chlorotoluene
Concen: 20.541 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.2





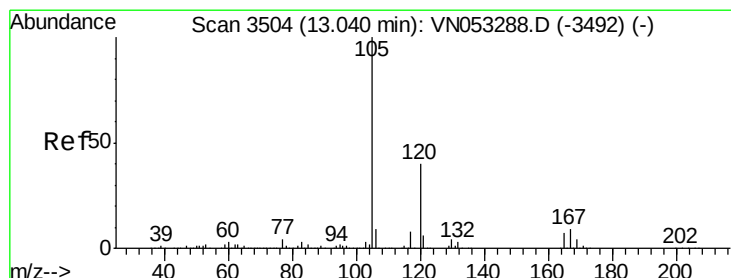
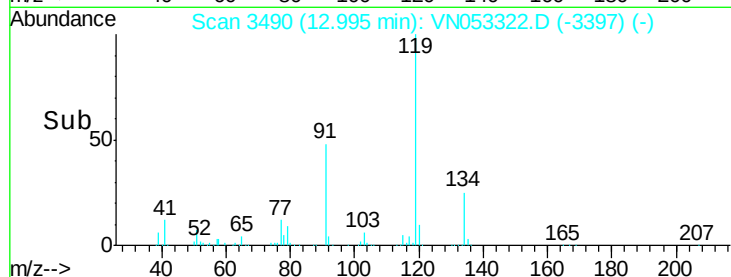
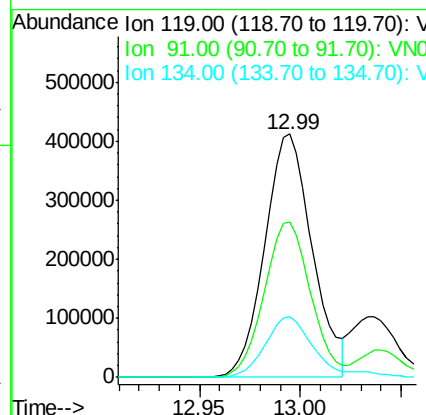
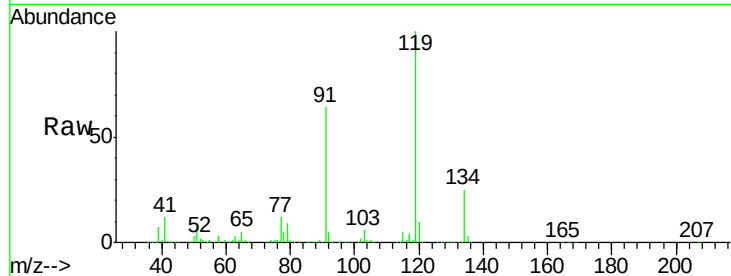
#83
 tert-Butylbenzene
 Concen: 20.856 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	676460		
91	62.1		31.6	95.0
134	26.0		12.9	38.6

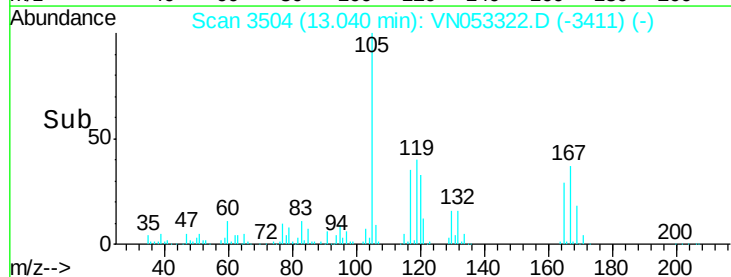
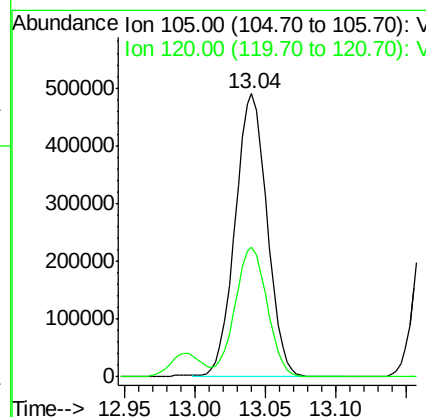
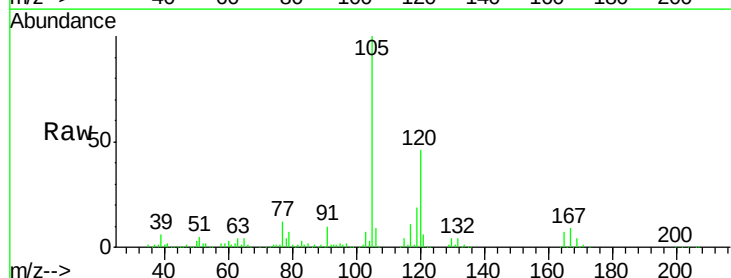
Manual Integrations
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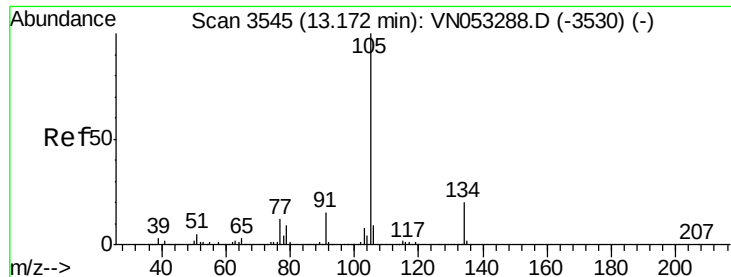
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.673 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	778573		
120	46.2		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.702 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBSD01

Tot Ion:105 Resp: 885506

Ion Ratio Lower Upper

105 100

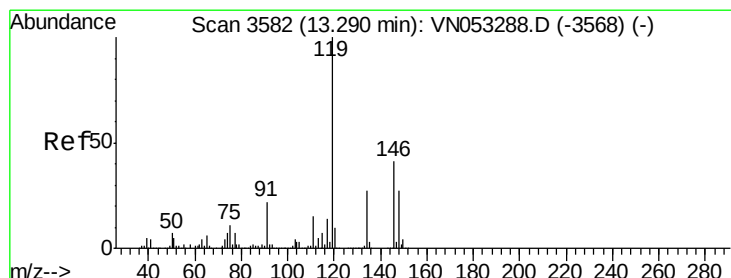
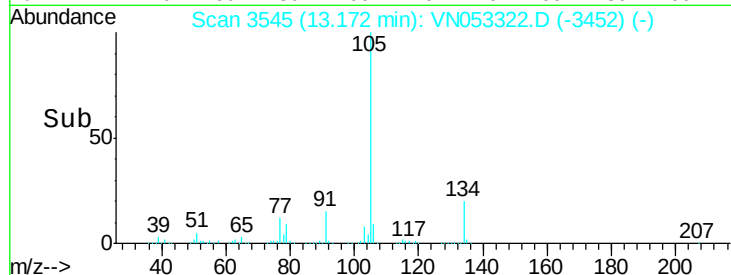
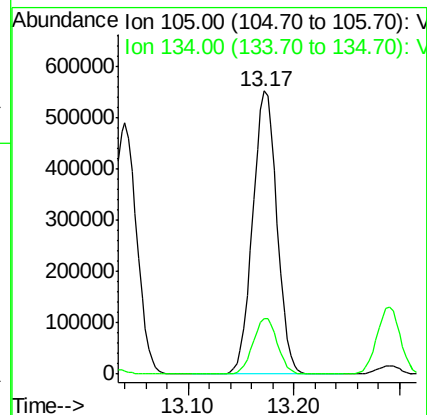
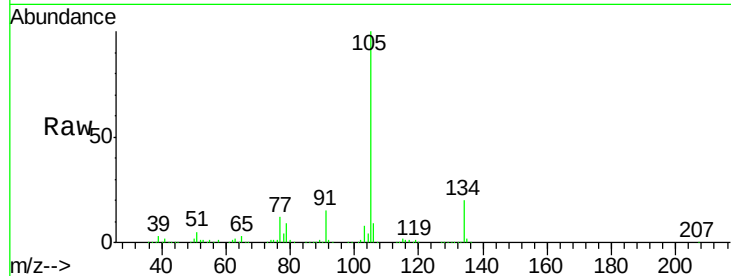
134 19.9 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.588 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

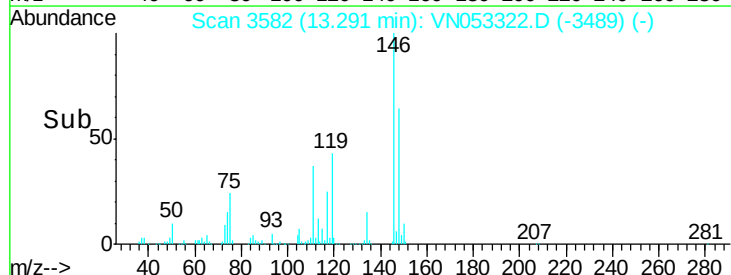
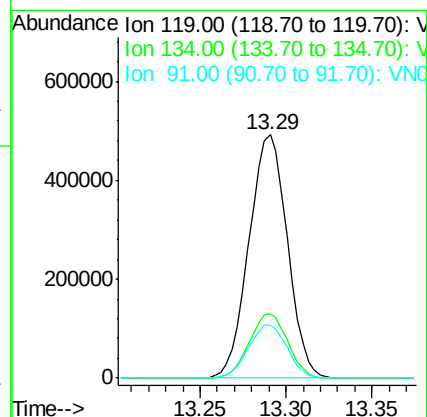
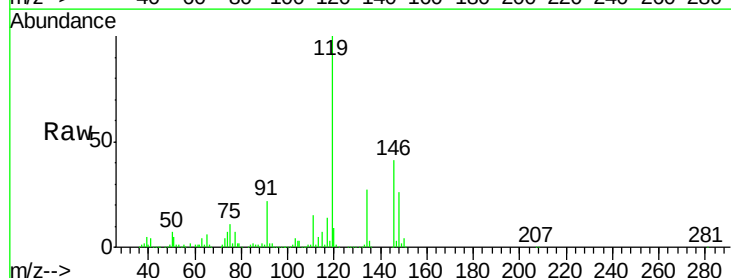
Tgt Ion:119 Resp: 762453

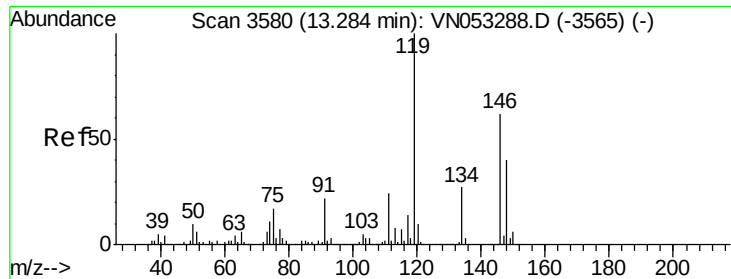
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.0 11.1 33.1





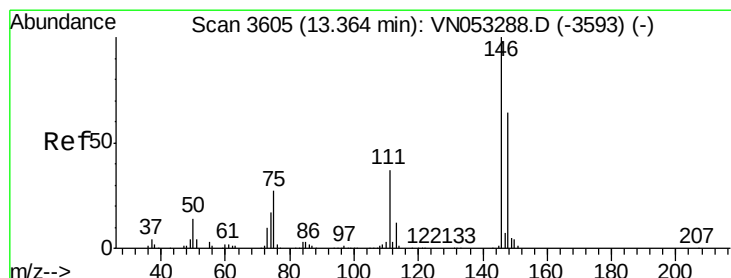
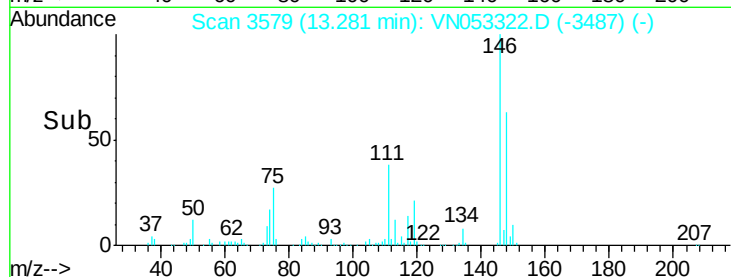
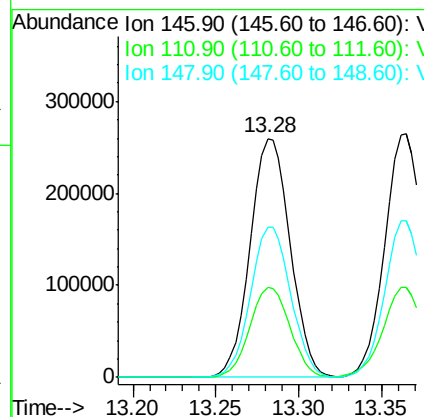
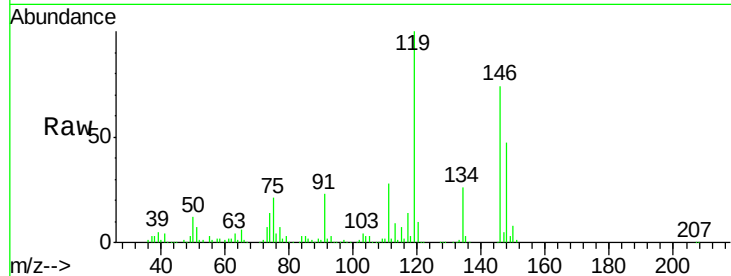
#87
 1,3-Dichlorobenzene
 Concen: 20.220 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.5
148	63.2	32.0	96.2

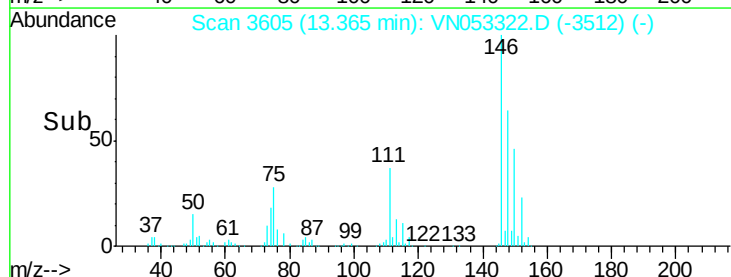
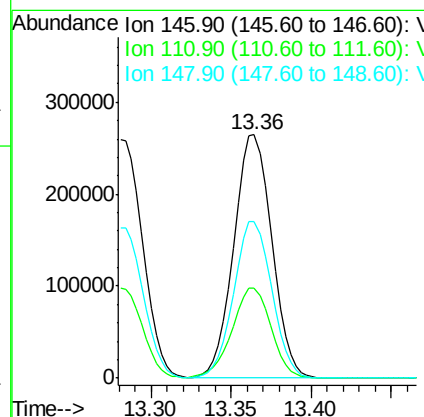
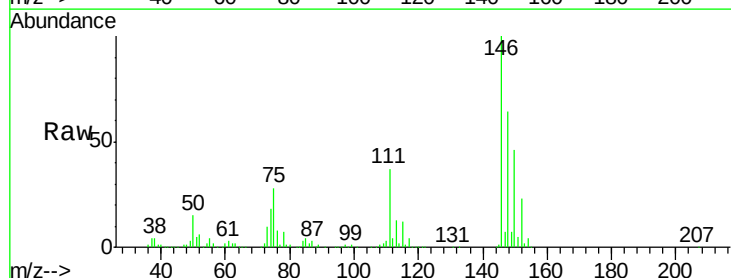
Manual Integrations
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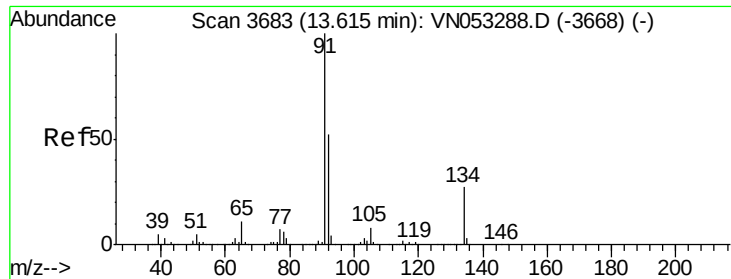
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#88
 1,4-Dichlorobenzene
 Concen: 20.037 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.8
148	64.7	32.0	96.0





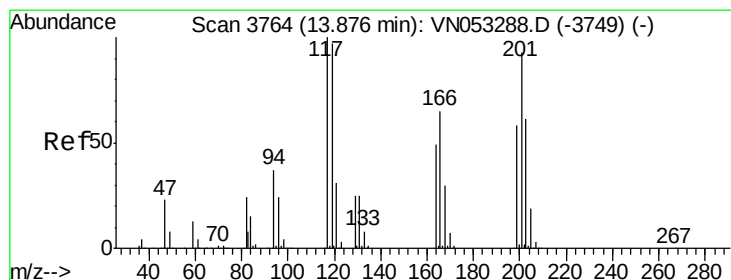
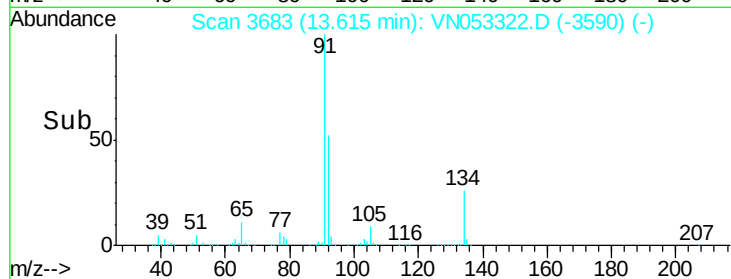
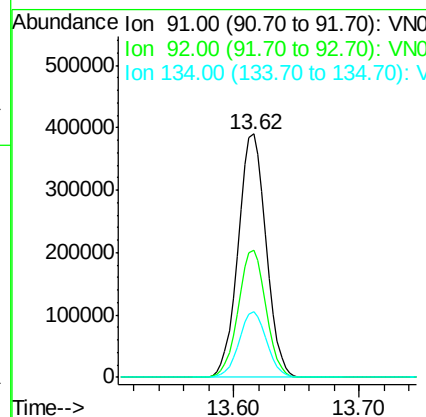
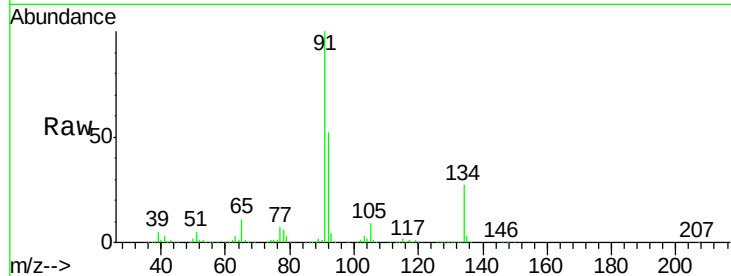
#89
n-Butylbenzene
Concen: 19.381 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.3	78.8
134	26.5	13.5	40.5

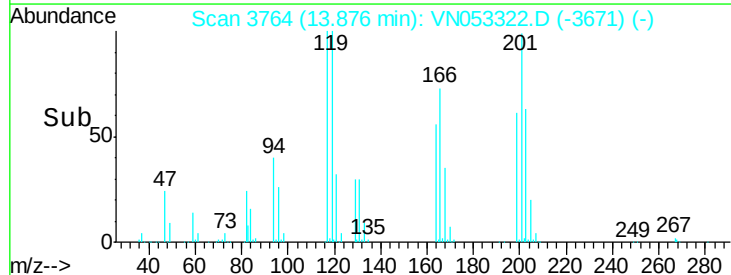
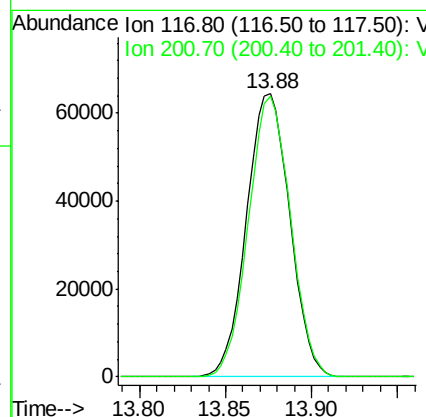
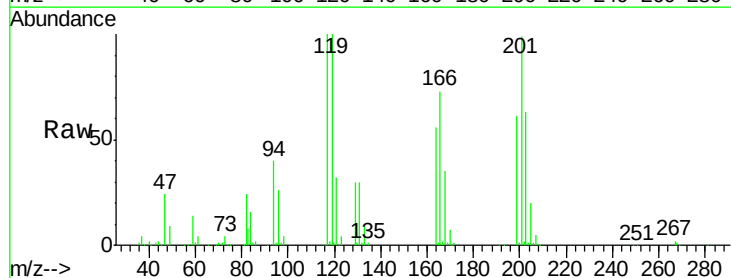
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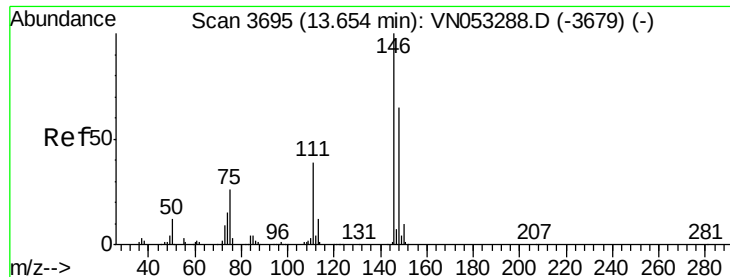
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#90
Hexachloroethane
Concen: 19.008 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.3	46.1	138.3





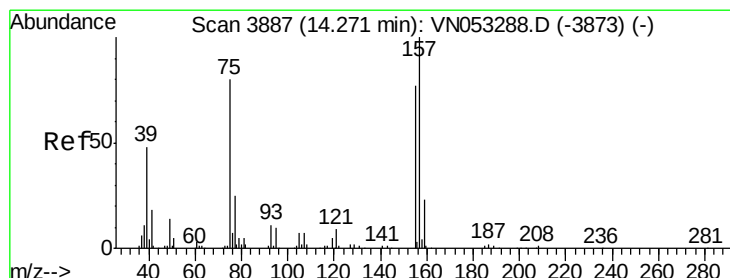
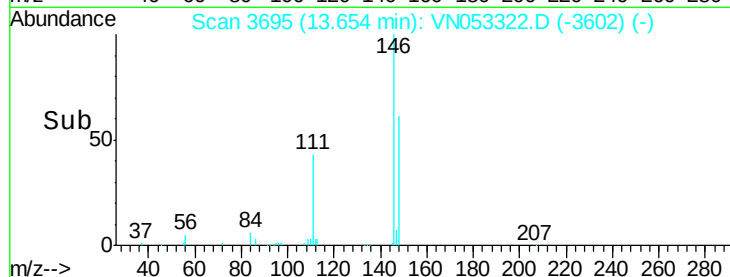
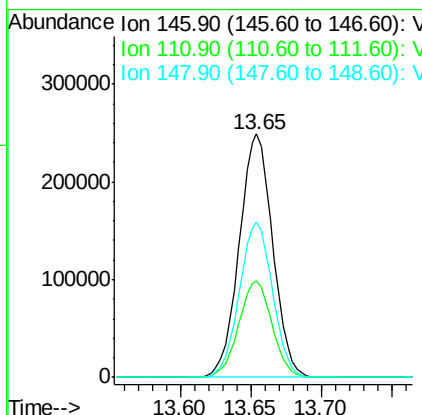
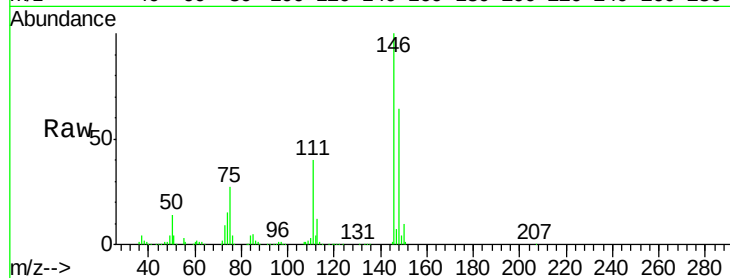
#91
 1,2-Dichlorobenzene
 Concen: 20.466 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.2
148	63.4	32.2	96.6

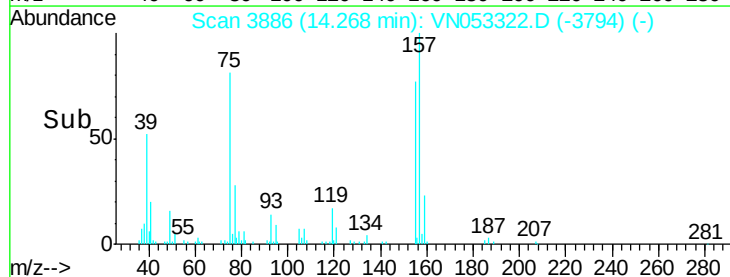
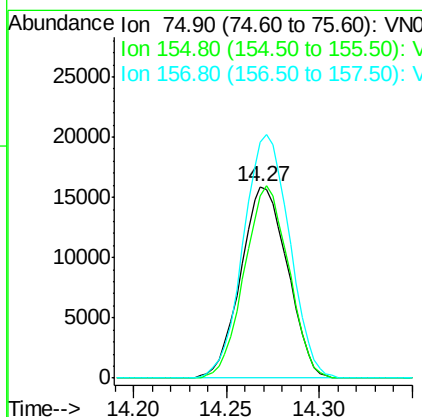
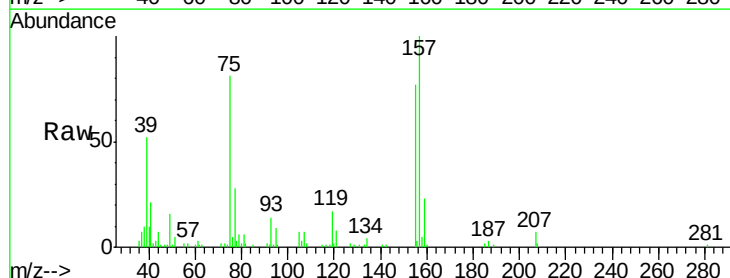
Manual Integrations
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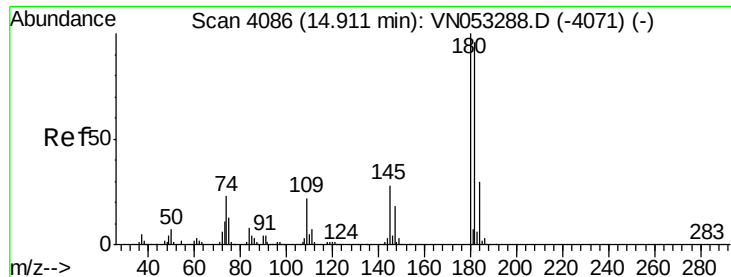
MMDadoda
 1/10/2019 9:25:24 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.665 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053322.D
 Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	48.1	144.3
157	126.0	61.5	184.4





#93

1,2,4-Trichlorobenzene

Concen: 21.975 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Instrument :

MSVOA_N

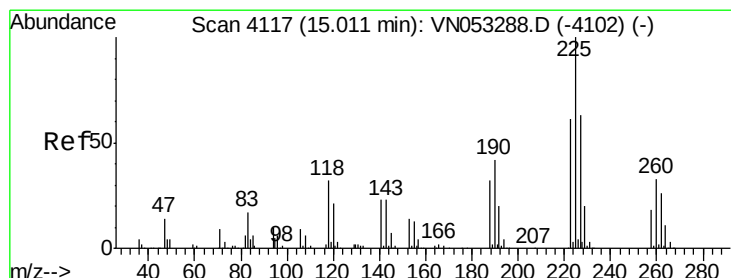
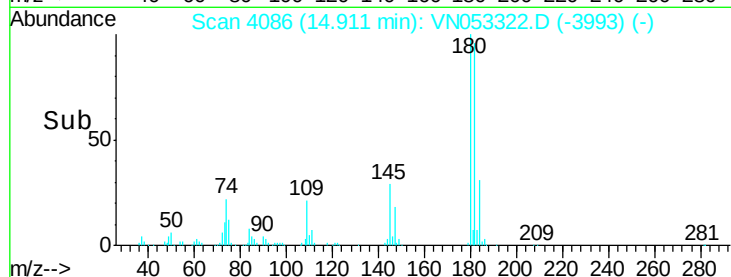
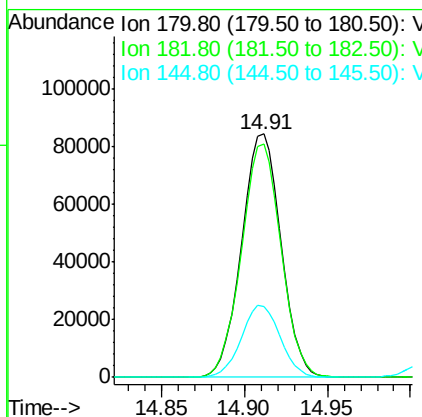
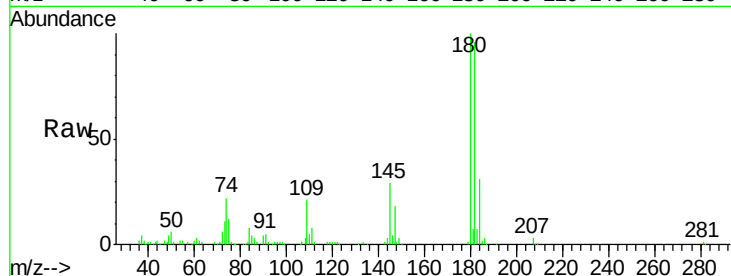
ClientSampleId :

VN0109WBSD01

Tot Ion:	180	Resp:	139609
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.8	143.4
145	29.3	14.4	43.0

Manual Integrations
APPROVED

MMDadoda
1/10/2019 9:25:24 AM



#94

Hexachlorobutadiene

Concen: 21.968 ug/l

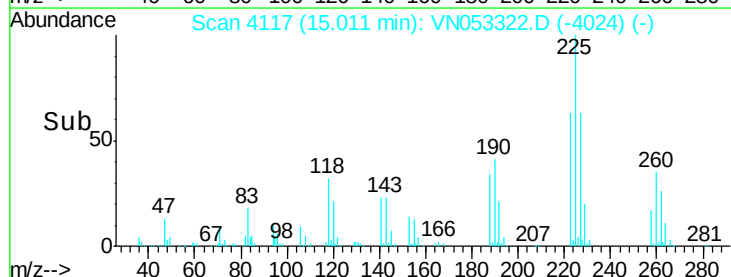
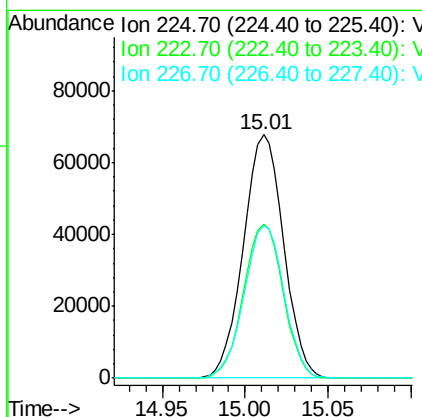
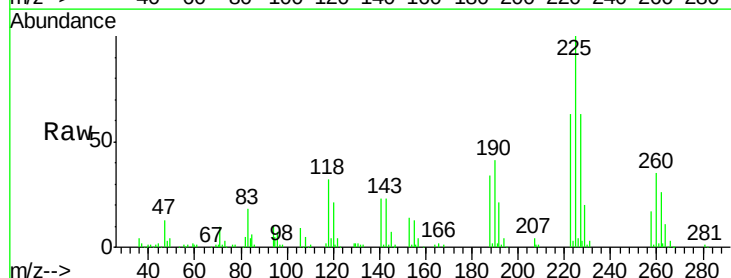
RT: 15.01 min Scan# 4117

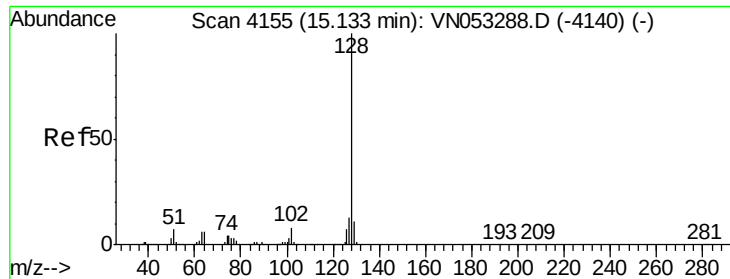
Delta R.T. 0.00 min

Lab File: VN053322.D

Acq: 9 Jan 2019 11:13

Tgt Ion:	225	Resp:	114155
Ion Ratio	Lower	Upper	
225	100		
223	62.3	30.9	92.8
227	62.3	31.4	94.2





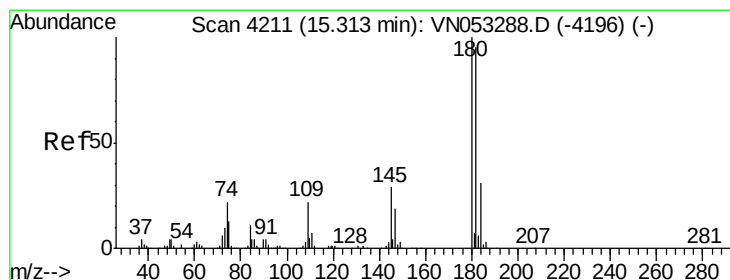
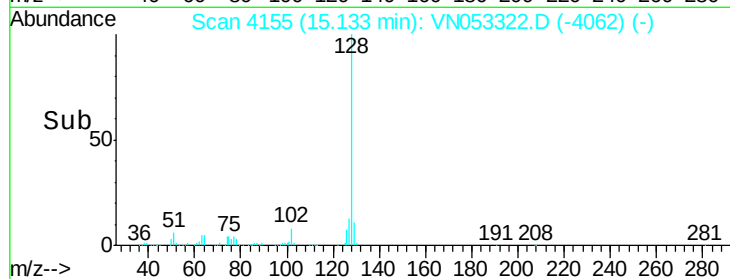
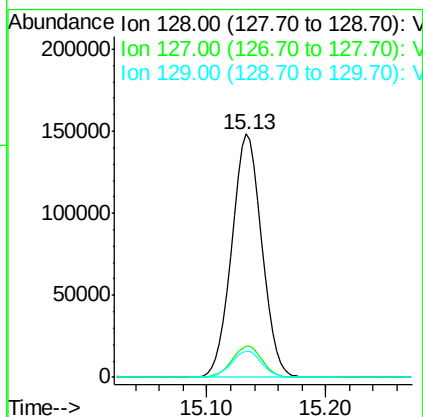
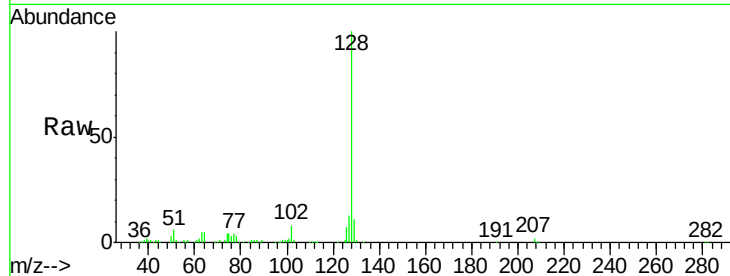
#95
Naphthalene
Concen: 23.950 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/10/2019 9:25:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 23.911 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053322.D
Acq: 9 Jan 2019 11:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	48.4	145.0
145	30.1	14.9	44.5

