

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053221.D
 Acq On : 28 Dec 2018 13:09
 Operator : MD\SY
 Sample : VN1228WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:48:53 AM

Quant Time: Dec 28 22:44:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	161074	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	936430	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	830058	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	316247	30.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.03%
60) 4-Bromofluorobenzene	12.40	95	382003	30.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.27%
63) Toluene-d8	10.09	98	1123199	30.04	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	213760	19.918 ug/l	99
3) Chloromethane	2.06	50	254578	20.211 ug/l	100
4) Vinyl Chloride	2.19	62	244419	19.719 ug/l	96
5) Bromomethane	2.58	94	156904	19.634 ug/l	100
6) Chloroethane	2.71	64	143126	20.046 ug/l	98
7) Trichlorofluoromethane	3.03	101	299569	19.571 ug/l	99
8) Diethyl Ether	3.41	74	114574	20.147 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	183914	19.123 ug/l	96
10) 1,1-Dichloroethene	3.74	96	183229	19.523 ug/l	97
11) Methyl Iodide	3.96	142	266854	19.415 ug/l	99
12) Methyl Acetate	4.33	43	140295	19.179 ug/l	98
13) Acrolein	3.61	56	84220	96.430 ug/l	99
14) Acrylonitrile	4.99	53	332947	101.739 ug/l	98
15) Acetone	3.82	58	74384	106.949 ug/l	93
16) Carbon Disulfide	4.06	76	556381	19.270 ug/l	100
17) Allyl chloride	4.33	41	281512	19.067 ug/l	98
18) Methylene Chloride	4.55	84	214137	19.936 ug/l	93
19) trans-1,2-Dichloroethene	5.05	96	194261	19.585 ug/l	94
20) Diisopropyl ether	5.95	45	630101	19.927 ug/l	96
21) 1,1-Dichloroethane	5.85	63	363849	19.763 ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	222434	19.908 ug/l	97
23) tert-Butyl Alcohol	4.78	59	55879	101.289 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	494480	20.205 ug/l	97
25) Chloroform	7.37	83	348457	19.691 ug/l	98
26) Cyclohexane	7.66	56	328331	19.121 ug/l	# 97
29) 1,1-Dichloropropene	7.80	75	275221	19.403 ug/l	99
30) 2-Butanone	6.83	43	359931	101.709 ug/l	97
31) 2,2-Dichloropropane	6.83	77	263907	19.219 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	292833	19.704 ug/l	97
33) Carbon Tetrachloride	7.78	117	253458	19.483 ug/l	98
34) Benzene	8.04	78	837522	19.647 ug/l	98
35) Methacrylonitrile	7.17	41	93593	20.496 ug/l	97
36) 1,2-Dichloroethane	8.13	62	246888	19.950 ug/l	99
37) Trichloroethene	8.84	130	222560	19.272 ug/l	98
38) Methylcyclohexane	9.08	83	309181	18.636 ug/l	98
39) 1,2-Dichloropropane	9.12	63	222365	19.976 ug/l	97
40) Dibromomethane	9.21	93	127786	20.299 ug/l	97

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	262533	19.419	ug/l	99
42) Vinyl Acetate	5.90	43	1986250	102.879	ug/l	97
43) Ethyl Acetate	6.93	43	160984	20.370	ug/l #	69
44) Isopropyl Acetate	8.16	43	303173	20.594	ug/l	98
45) 1,4-Dioxane	9.20	88	37398	415.424	ug/l	93
46) Methyl methacrylate	9.20	41	148673	19.990	ug/l	94
47) n-amyl Acetate	12.07	43	259103	20.041	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	265207	19.220	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	313261	19.280	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	181690	20.129	ug/l	99
51) Ethyl methacrylate	10.43	69	234066	19.897	ug/l	95
52) 1,3-Dichloropropane	10.71	76	309299	19.892	ug/l	100
53) Dibromochloromethane	10.90	129	197119	19.444	ug/l	98
54) 1,2-Dibromoethane	11.01	107	178385	19.590	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	658449	97.531	ug/l	99
56) Bromoform	12.13	173	133028	19.182	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	827110	104.570	ug/l	98
59) 2-Hexanone	10.75	43	552618	101.203	ug/l	97
61) Tetrachloroethene	10.63	164	240519	19.608	ug/l	96
62) Toluene	10.16	91	891619	19.586	ug/l	100
64) Chlorobenzene	11.43	112	553107	19.362	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	195897	19.549	ug/l	98
66) Ethyl Benzene	11.51	91	959621	19.439	ug/l	98
67) m/p-Xylenes	11.62	106	732046	39.208	ug/l	97
68) o-Xylene	11.95	106	358703	19.826	ug/l	97
69) Styrene	11.96	104	577040	19.540	ug/l	99
70) Isopropylbenzene	12.25	105	934224	19.625	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	208849	20.842	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	178146m	20.301	ug/l	
73) Bromobenzene	12.53	156	239945	19.609	ug/l	95
74) n-propylbenzene	12.59	91	1043260	19.361	ug/l	99
75) 2-Chlorotoluene	12.67	91	627419	19.660	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	749257	19.842	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	56451	18.309	ug/l	97
78) 4-Chlorotoluene	12.77	91	633774	19.509	ug/l	100
79) tert-butylbenzene	12.99	119	650370	19.749	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	750617	19.833	ug/l	99
81) sec-Butylbenzene	13.17	105	850274	19.498	ug/l	100
82) p-Isopropyltoluene	13.29	119	728519	19.333	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	410316	19.694	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	395916	19.495	ug/l	98
85) n-Butylbenzene	13.62	91	573232	18.706	ug/l	99
86) Hexachloroethane	13.88	117	111047	18.457	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	392378	20.268	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29264	20.421	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	176175	18.750	ug/l	99
90) Hexachlorobutadiene	15.01	225	114012	20.046	ug/l	99
91) Naphthalene	15.13	128	373691	18.745	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	158816	18.945	ug/l	97

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Instrument :
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ClientSampleId :
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Manual Integrations
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QLast Update : Fri Dec 28 10:33:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

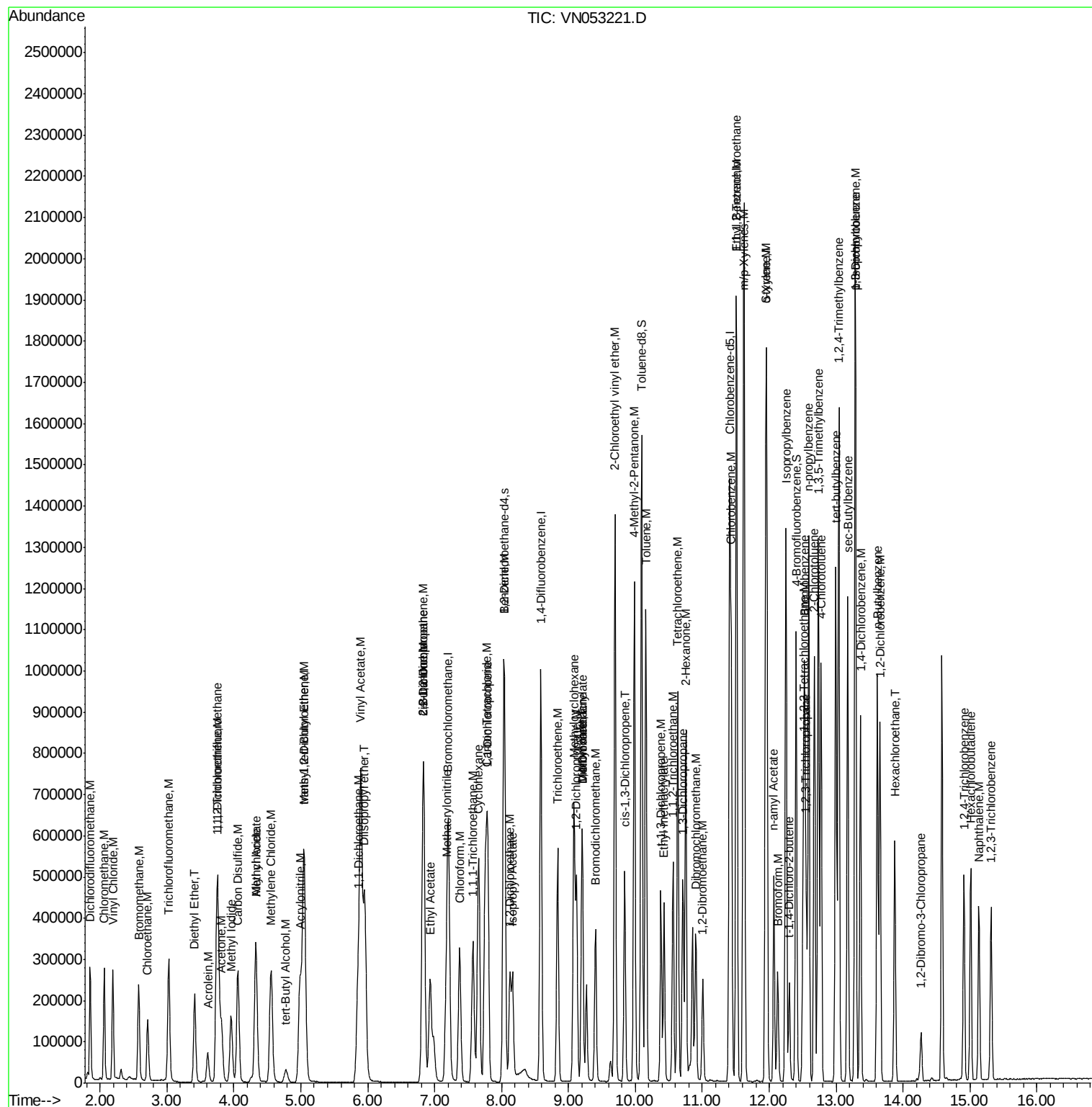
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 Data File : VN053221.D
 Acq On : 28 Dec 2018 13:09
 Operator : MD\SY
 Sample : VN1228WBSD01
 Misc : 5.00mL/MSVOA N/WATER
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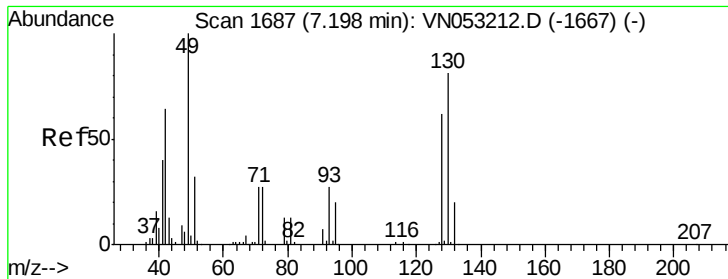
Instrument :
 MSVOA_N
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 VN1228WBSD01

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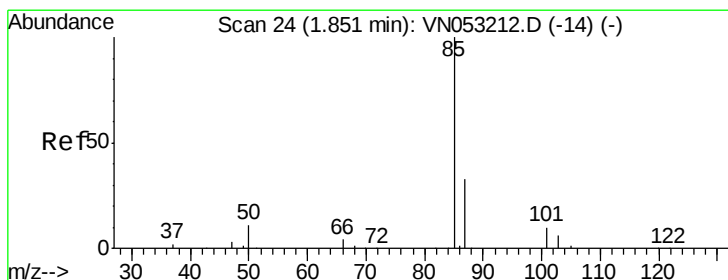
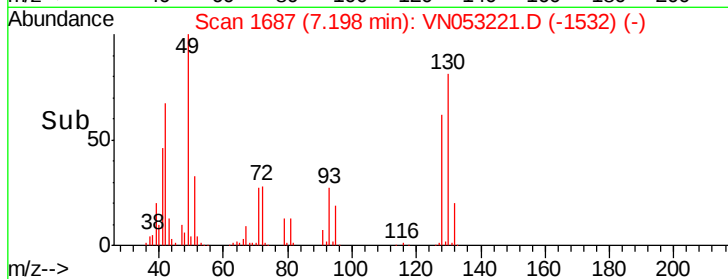
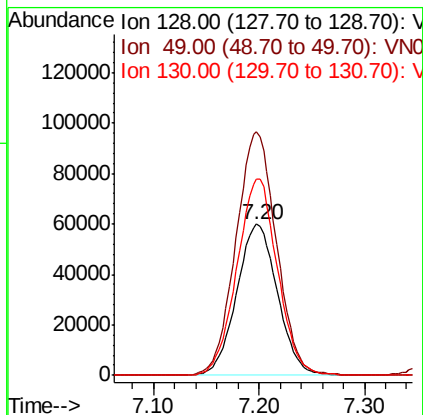
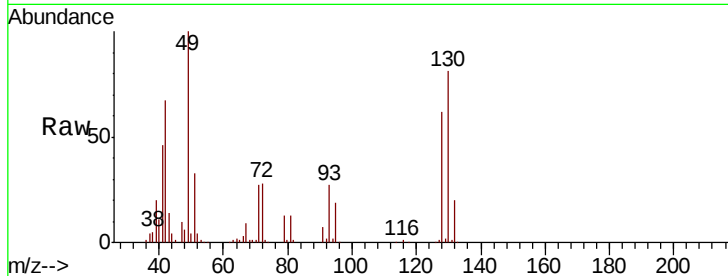
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	160.3	0.0	431.8
130	129.5	0.0	317.0

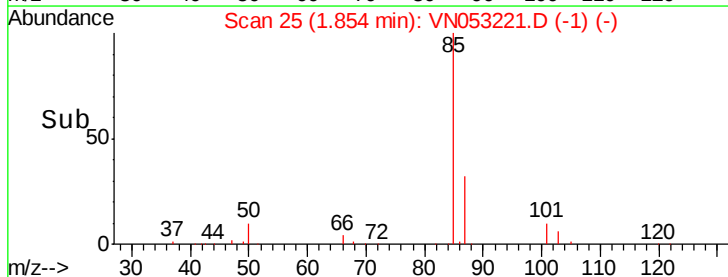
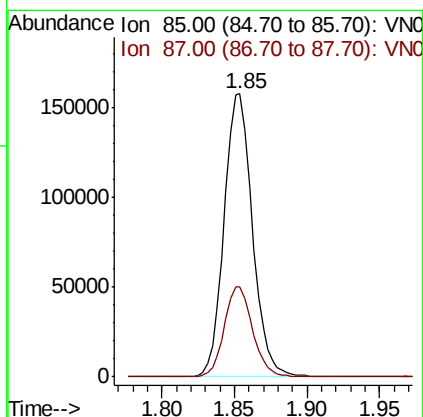
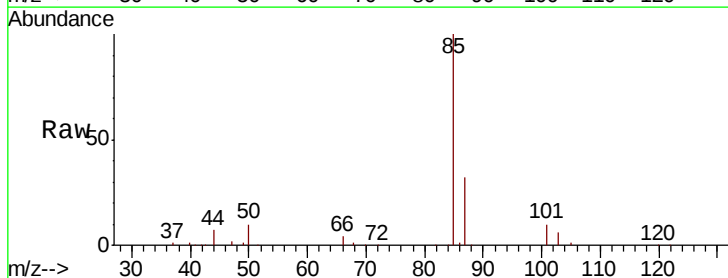
Manual Integrations
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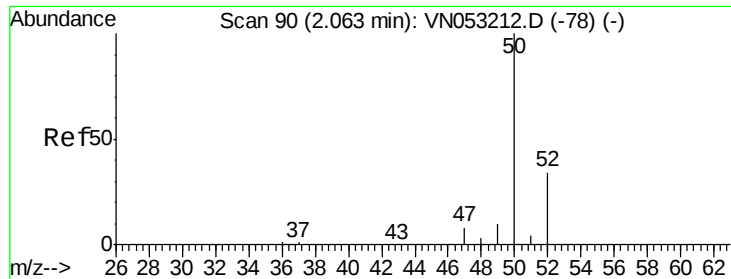
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#2
Dichlorodifluoromethane
Concen: 19.918 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.1	48.3





#3

Chloromethane

Concen: 20.211 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBSD01

Tot Ion: 50 Resp: 254578

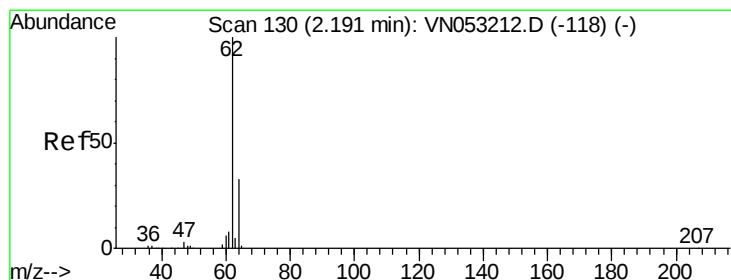
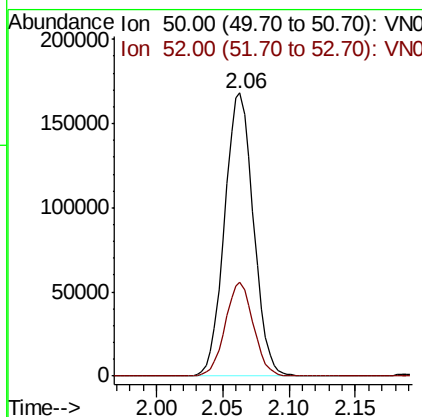
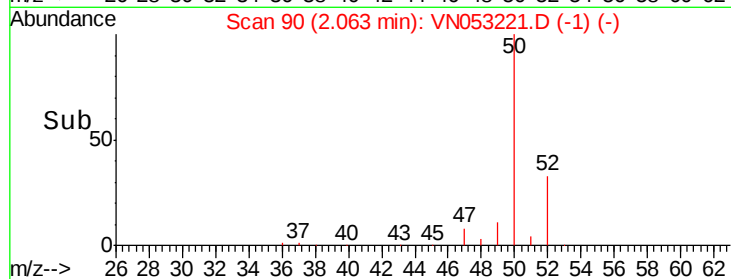
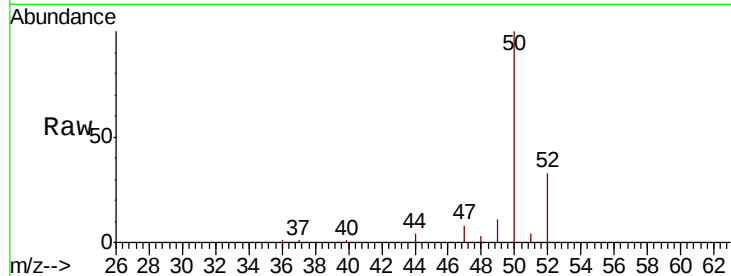
Ion Ratio Lower Upper

50 100

52 33.0 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.719 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053221.D

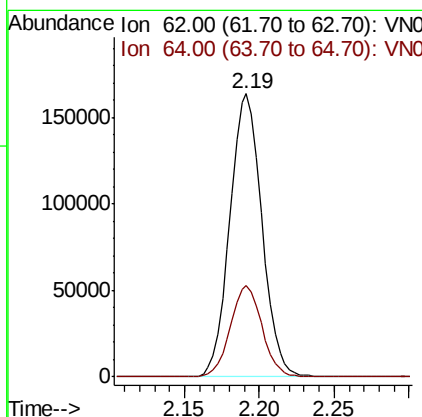
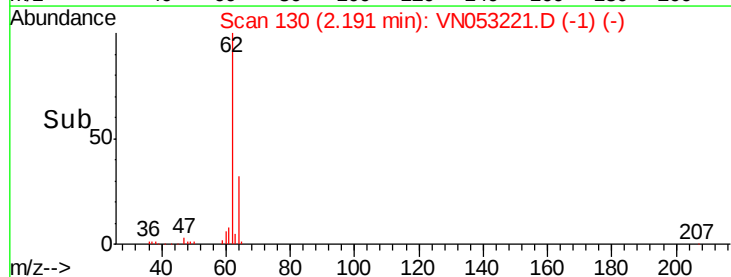
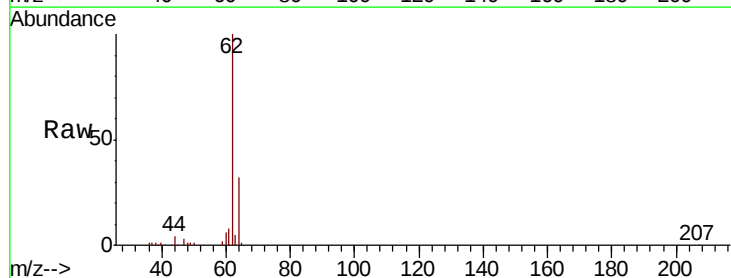
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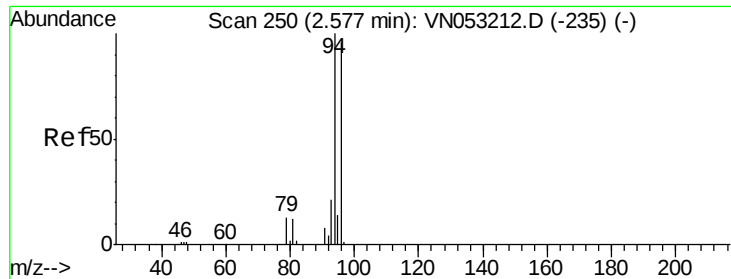
Tgt Ion: 62 Resp: 244419

Ion Ratio Lower Upper

62 100

64 32.3 24.2 36.4





#5

Bromomethane

Concen: 19.634 ug/l

RT: 2.58 min Scan# 250

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBSD01

Tot Ion: 94 Resp: 156904

Ion Ratio Lower Upper

94 100

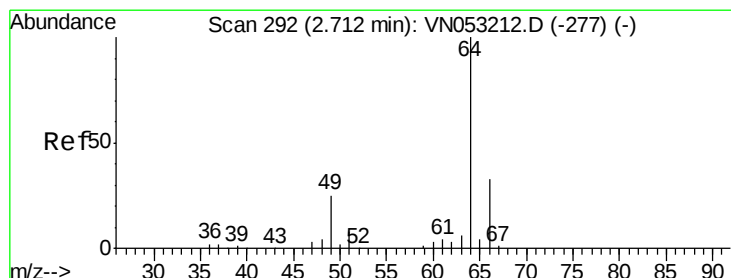
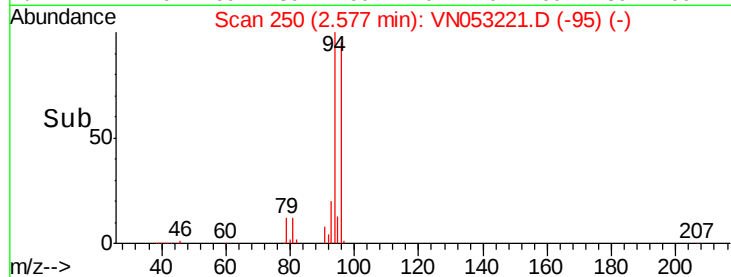
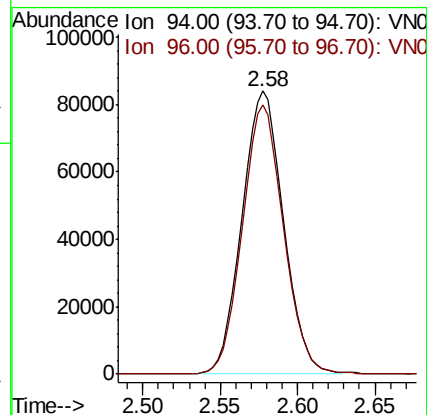
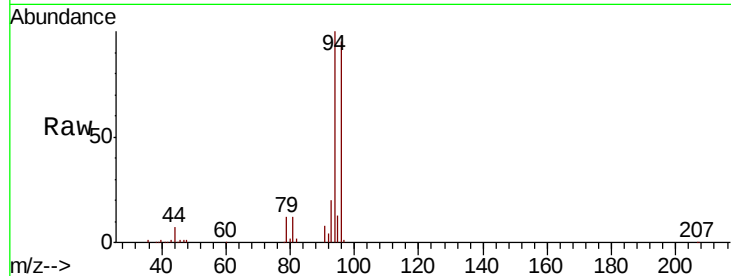
96 95.1 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 20.046 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN053221.D

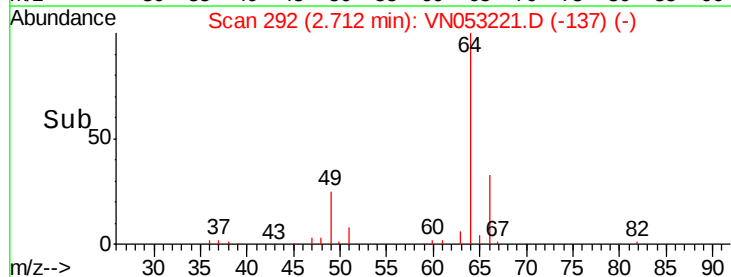
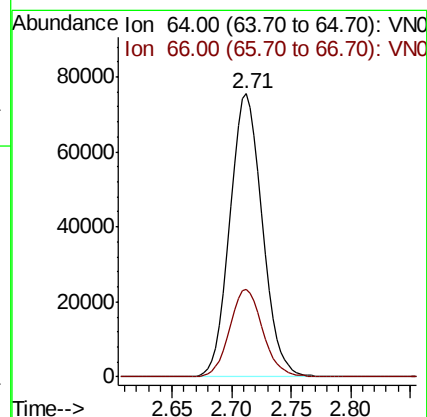
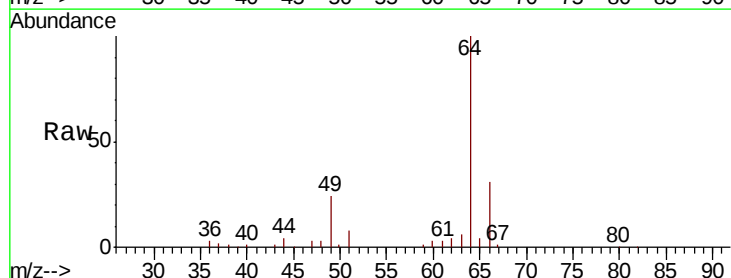
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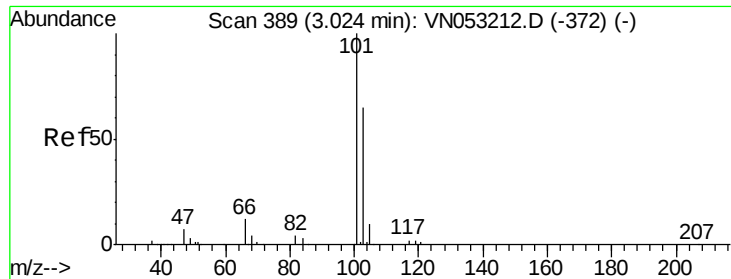
Tgt Ion: 64 Resp: 143126

Ion Ratio Lower Upper

64 100

66 30.9 25.6 38.4





#7

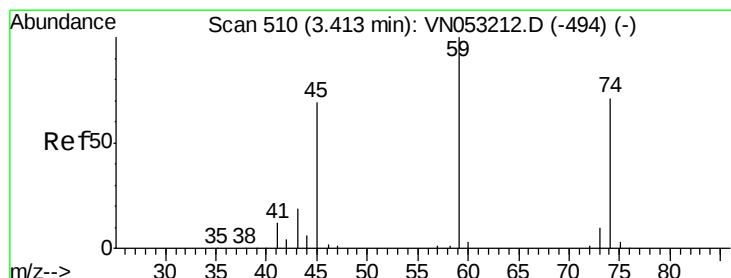
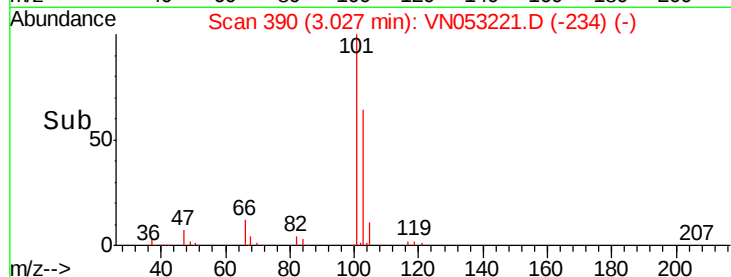
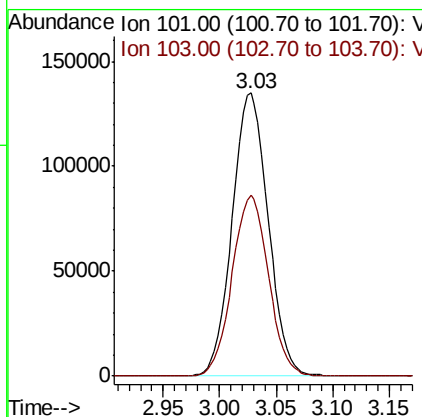
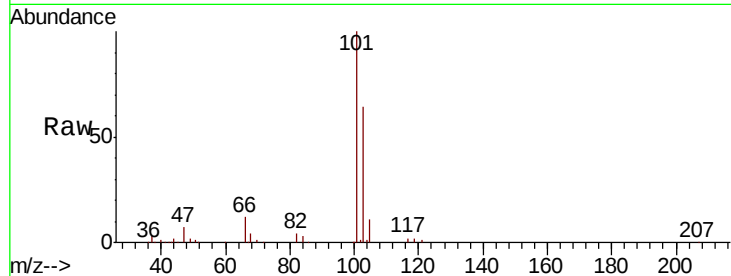
Trichlorofluoromethane
Concen: 19.571 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.1	78.1

Manual Integrations
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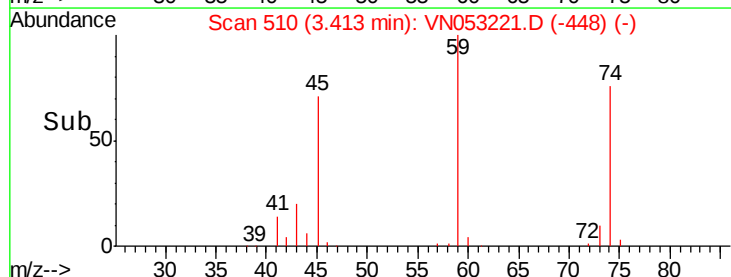
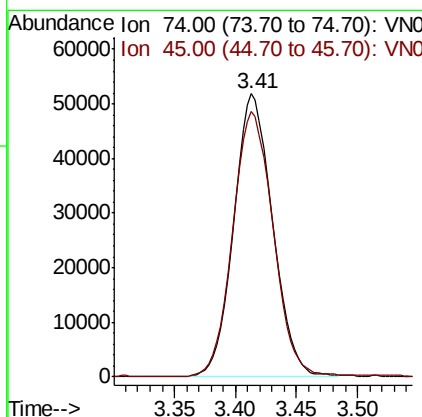
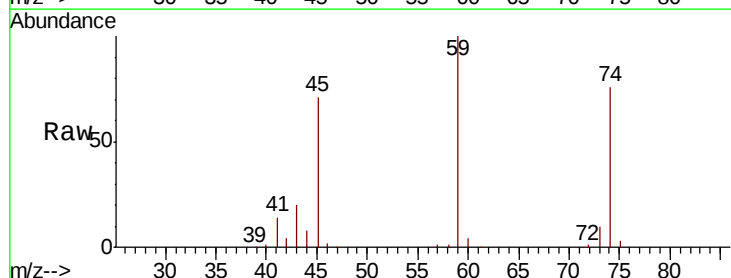
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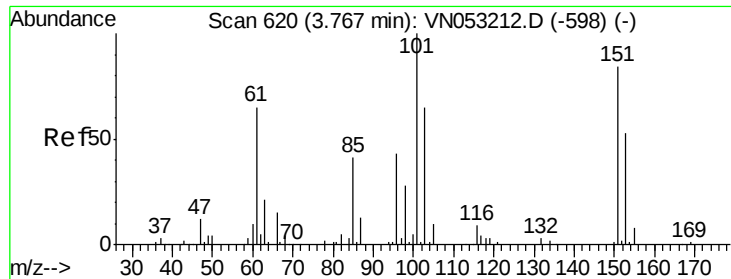


#8

Diethyl Ether
Concen: 20.147 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	20.6	185.8





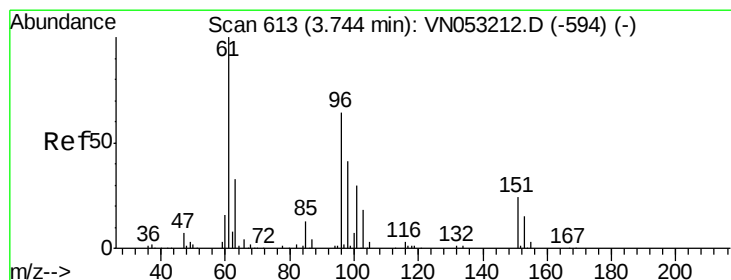
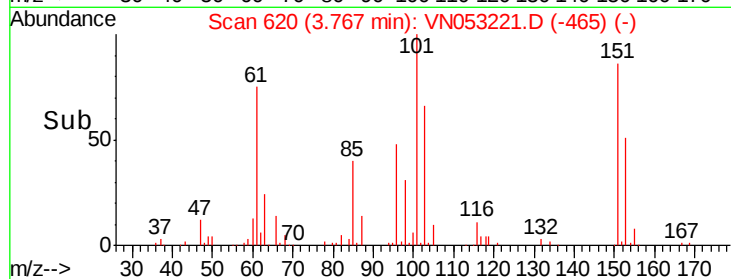
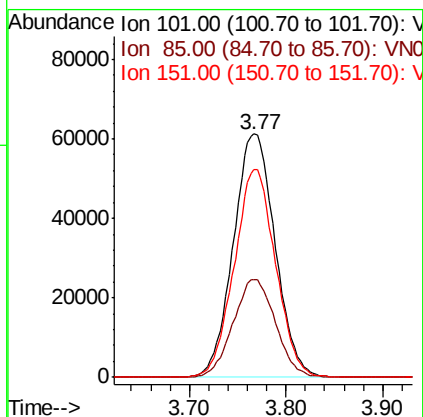
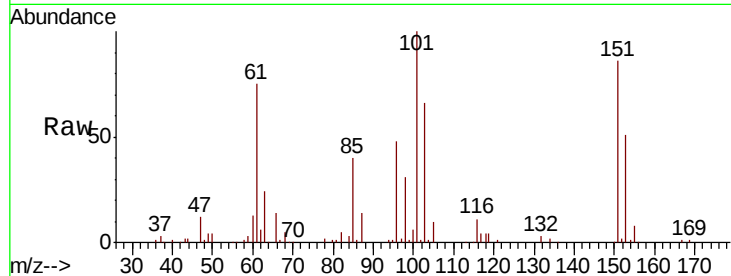
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.123 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	183914		
85	40.6	0.0	82.6	
151	84.6	0.0	158.4	

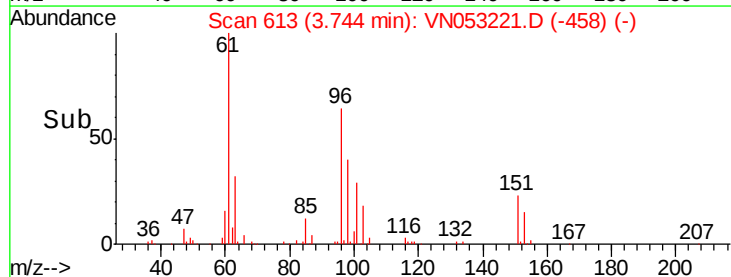
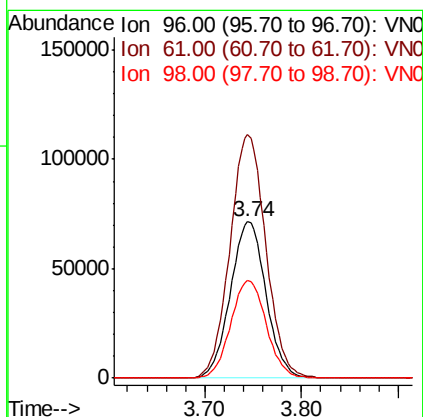
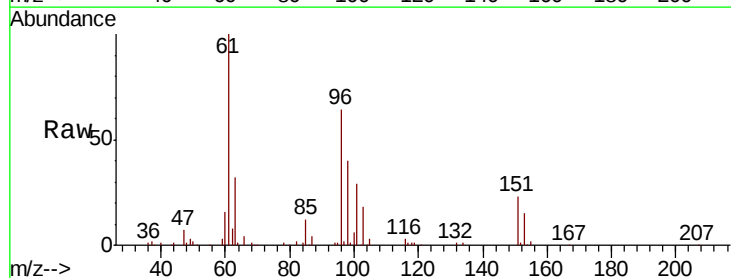
Manual Integrations
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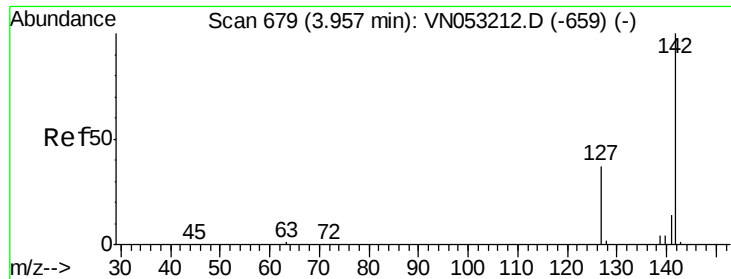
MMDadoda
 1/2/2019 9:48:53 AM



#10
 1,1-Dichloroethene
 Concen: 19.523 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	183229		
61	155.9	129.4	194.2	
98	62.2	50.4	75.6	





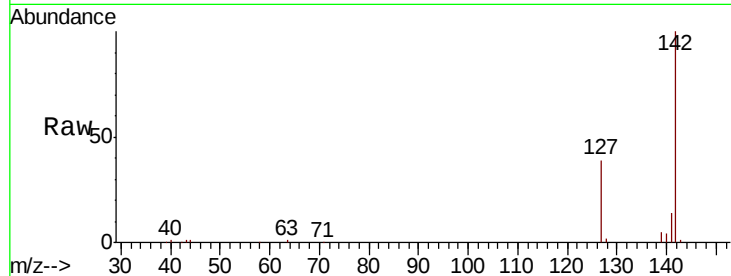
#11
Methvl Iodide
Concen: 19.415 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

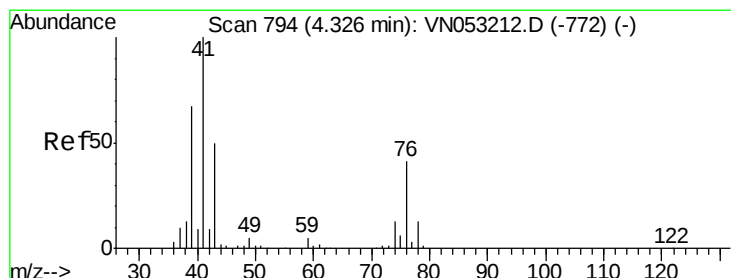
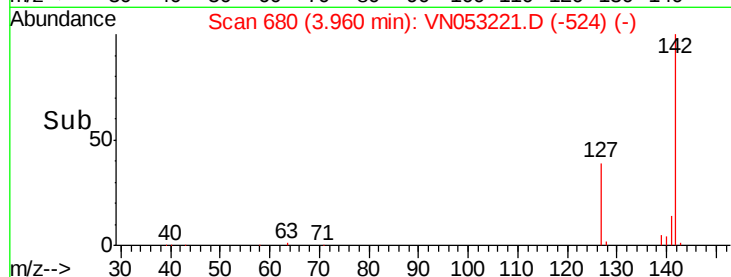
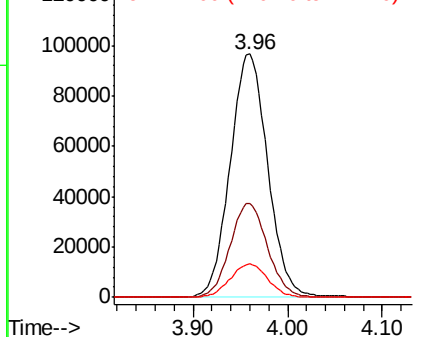
Tot Ion	Ratio	Lower	Upper
142	100		
127	38.6	19.4	58.1
141	13.8	7.2	21.6

Manual Integrations
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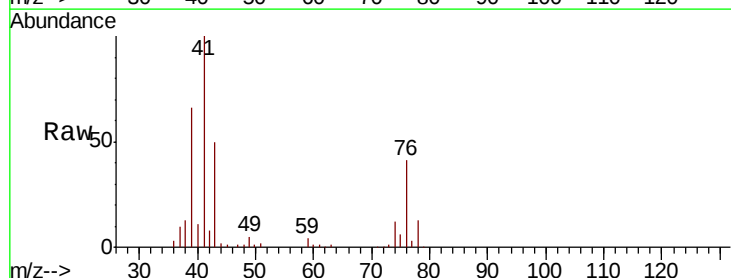


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

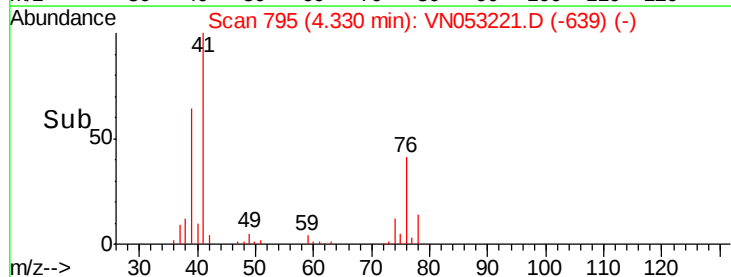
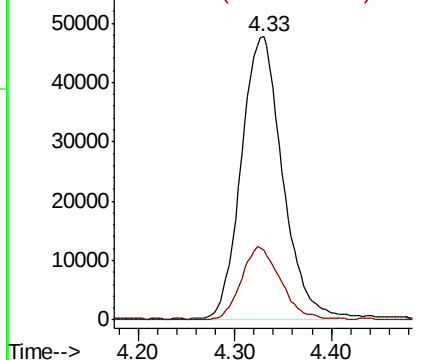


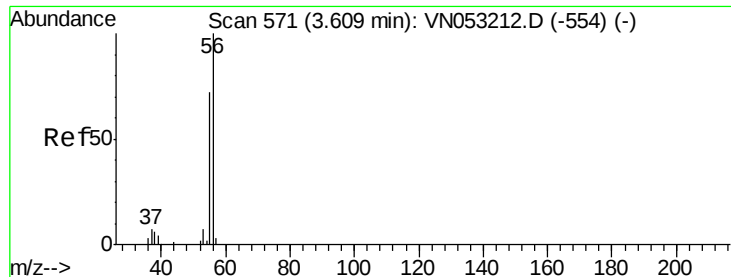
#12
Methyl Acetate
Concen: 19.179 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.9	28.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





#13

Acrolein

Concen: 96.430 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBSD01

Tot Ion: 56 Resp: 84220

Ion Ratio Lower Upper

56 100

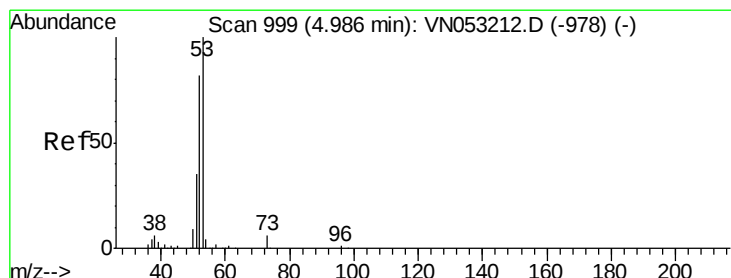
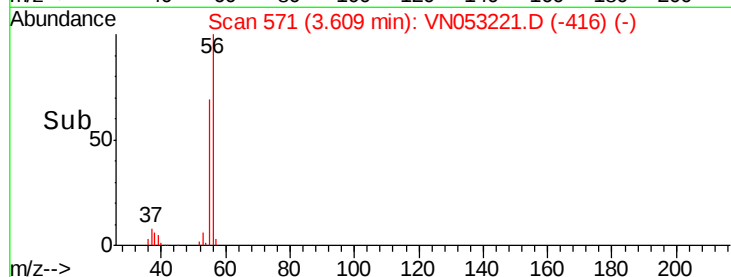
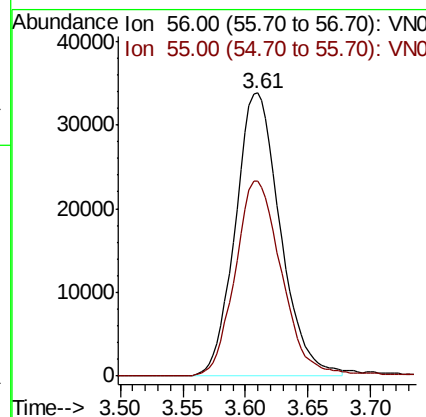
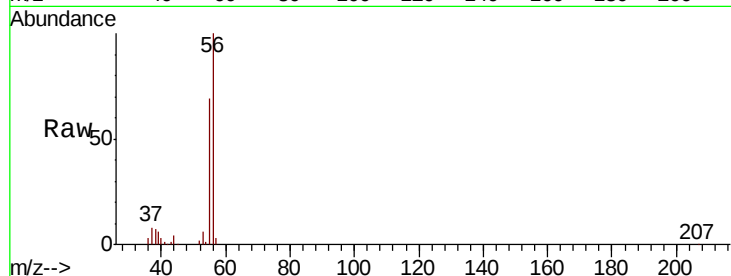
55 71.3 56.7 85.1

Manual Integrations

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#14

Acrylonitrile

Concen: 101.739 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

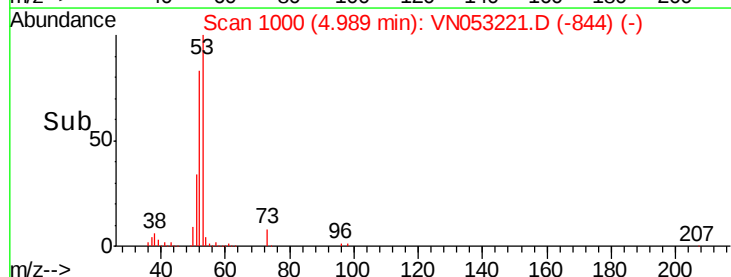
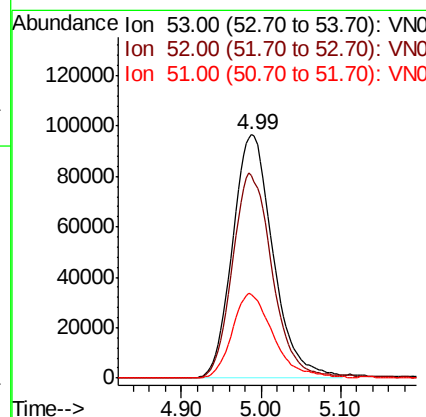
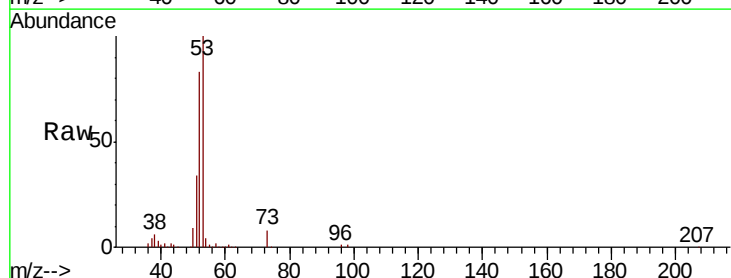
Tgt Ion: 53 Resp: 332947

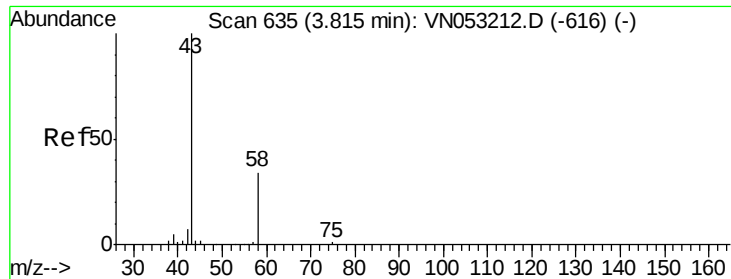
Ion Ratio Lower Upper

53 100

52 82.7 39.9 119.7

51 35.0 17.6 52.9





#15

Acetone

Concen: 106.949 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBSD01

Tot Ion: 58 Resp: 74384

Ion Ratio Lower Upper

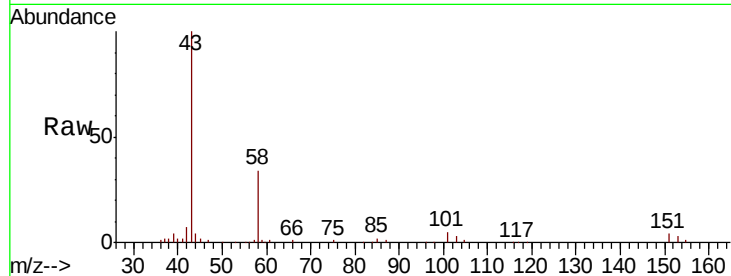
58 100

43 291.5 243.6 365.4

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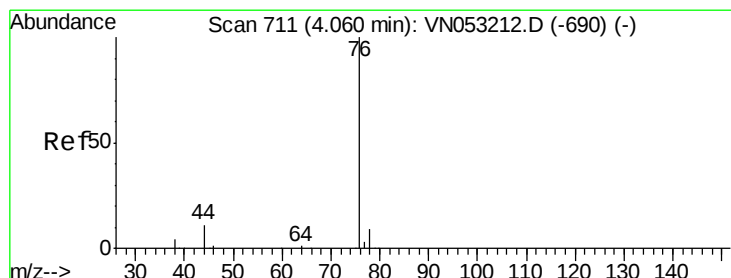
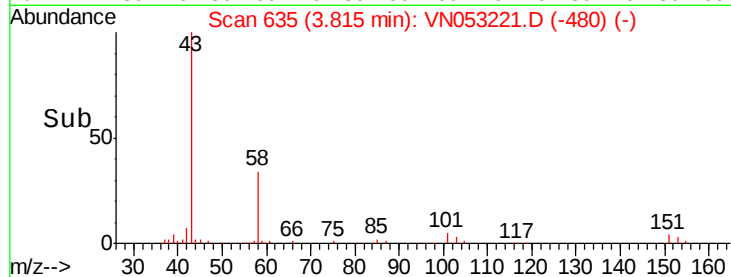
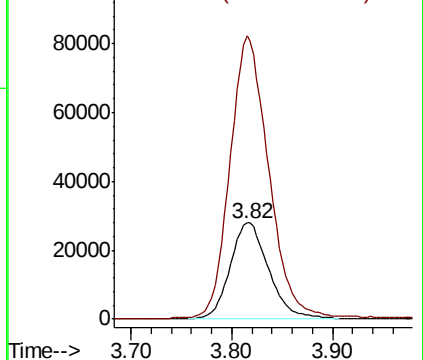
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Abundance Ion 58.00 (57.70 to 58.70): VN053221.D (-556) (-)

Ion 43.00 (42.70 to 43.70): VN053221.D (-480) (-)



#16

Carbon Disulfide

Concen: 19.270 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053221.D

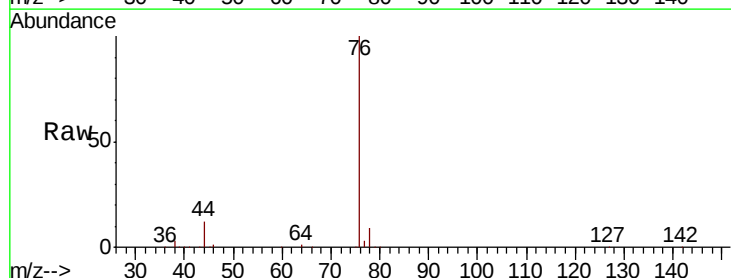
Acq: 28 Dec 2018 13:09

Tgt Ion: 76 Resp: 556381

Ion Ratio Lower Upper

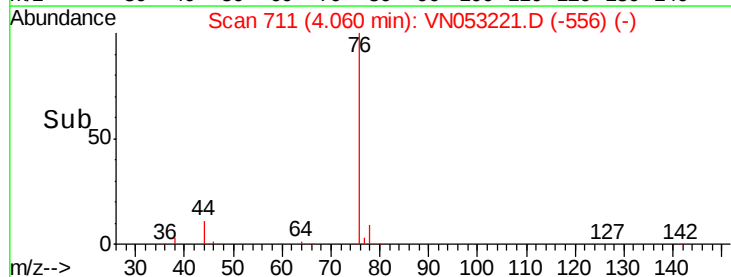
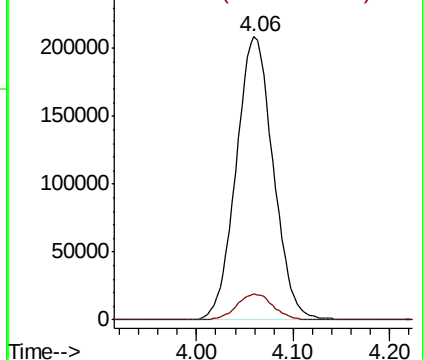
76 100

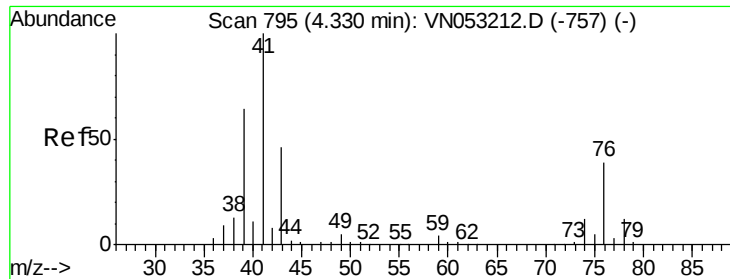
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN053221.D (-556) (-)

Ion 78.00 (77.70 to 78.70): VN053221.D (-556) (-)





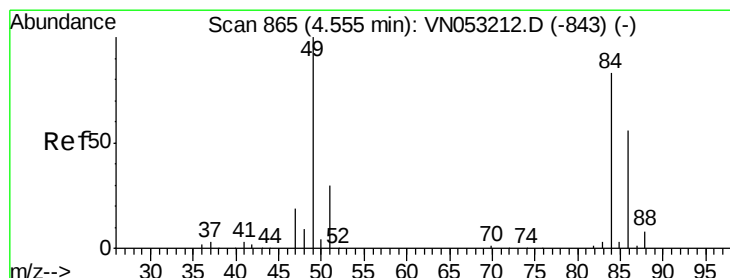
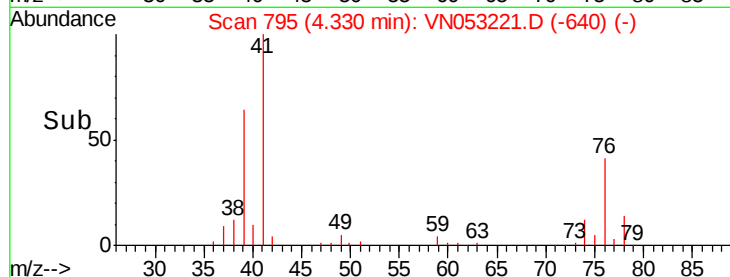
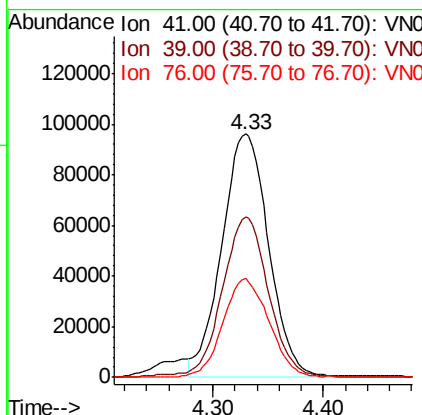
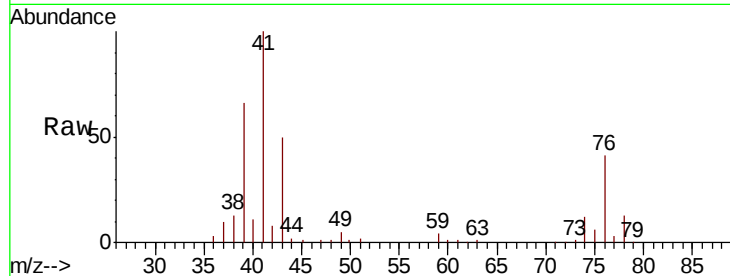
#17
Allvl chloride
Concen: 19.067 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion:	41	Resp:	281512
Ion	Ratio	Lower	Upper
41	100		
39	65.8	32.8	98.3
76	40.5	18.6	55.8

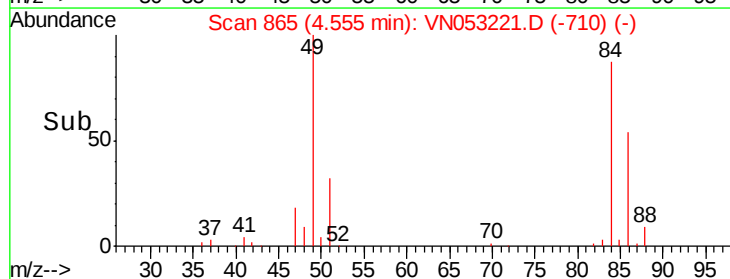
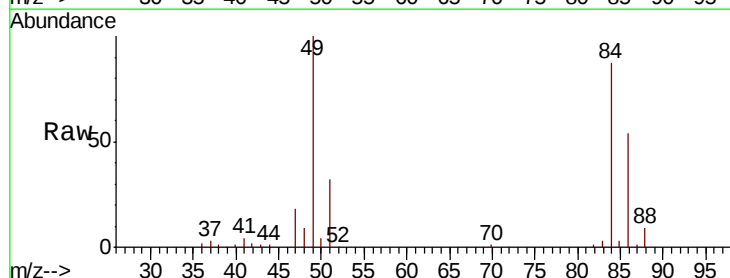
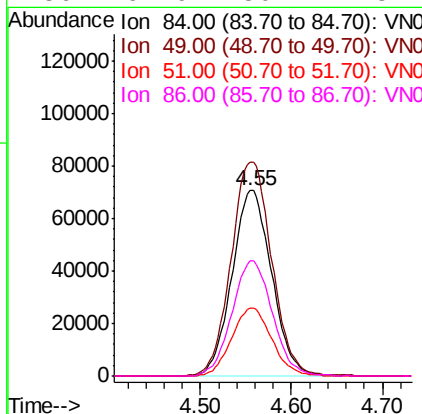
Manual Integrations
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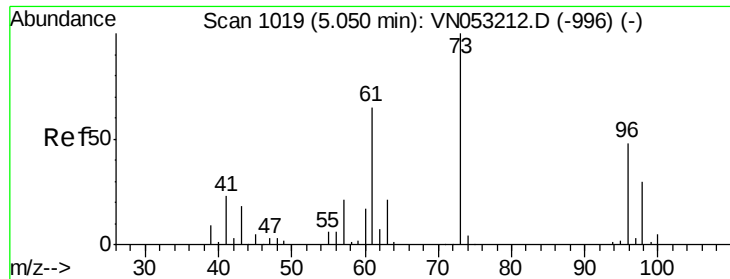
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#18
Methylene Chloride
Concen: 19.936 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion:	84	Resp:	214137
Ion	Ratio	Lower	Upper
84	100		
49	114.8	101.4	152.0
51	36.9	31.7	47.5
86	61.9	50.1	75.1





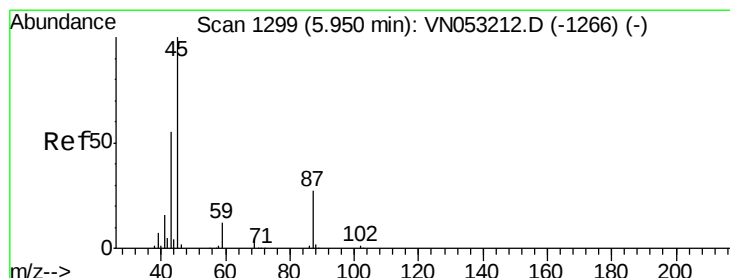
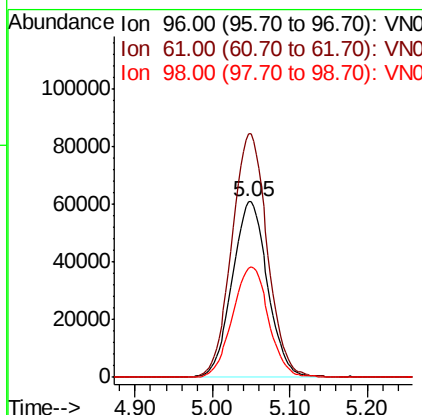
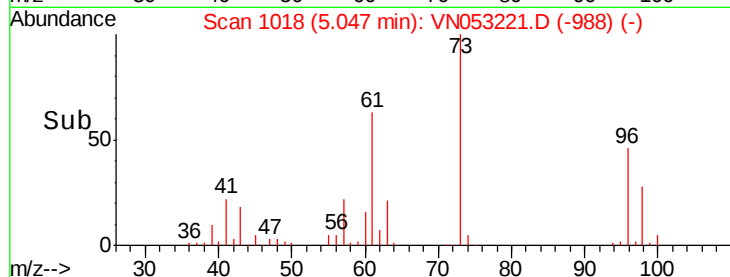
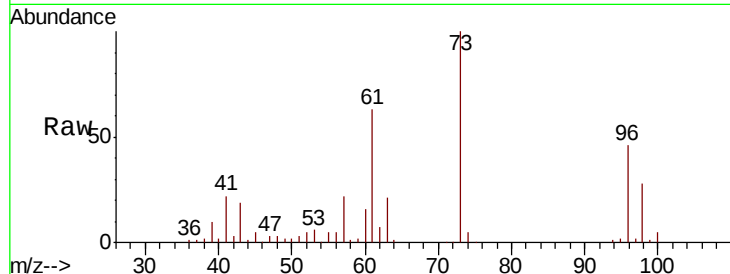
#19
trans-1,2-Dichloroethene
Concen: 19.585 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.6	118.2	177.4
98	61.9	51.4	77.2

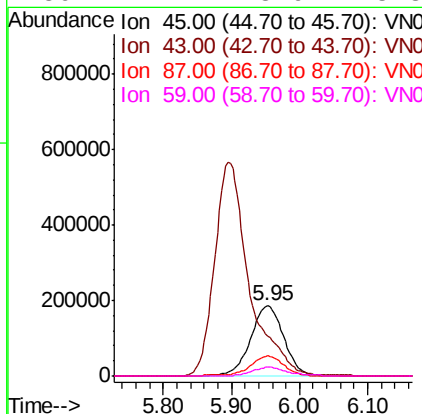
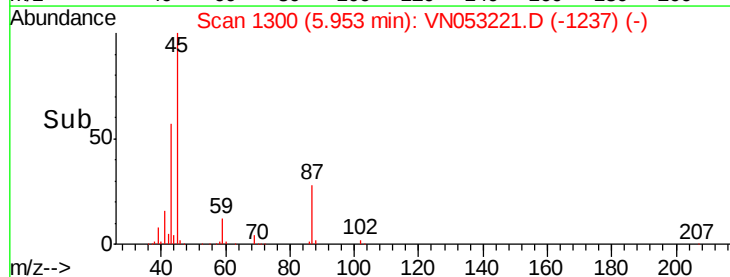
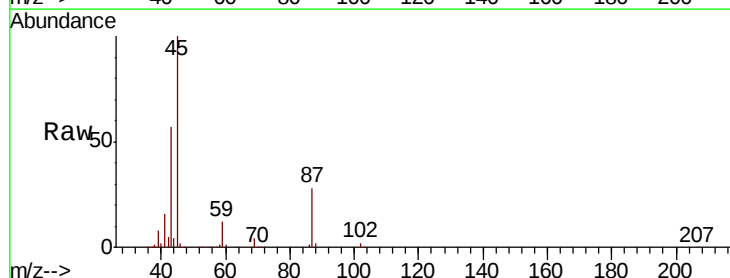
Manual Integrations
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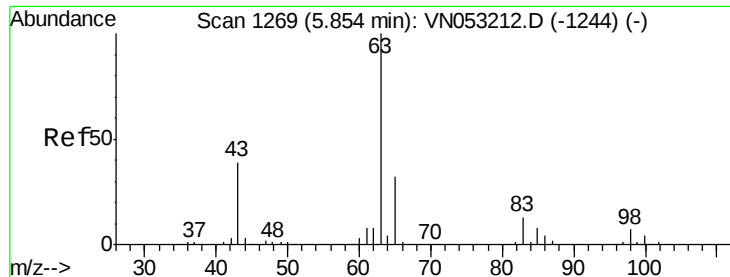
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#20
Diisopropyl ether
Concen: 19.927 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.3	47.8	71.8
87	28.3	21.3	31.9
59	12.2	8.9	13.3





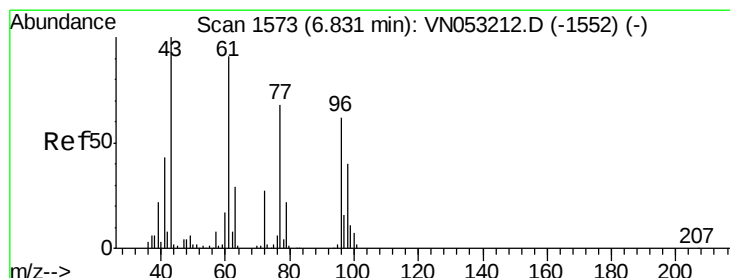
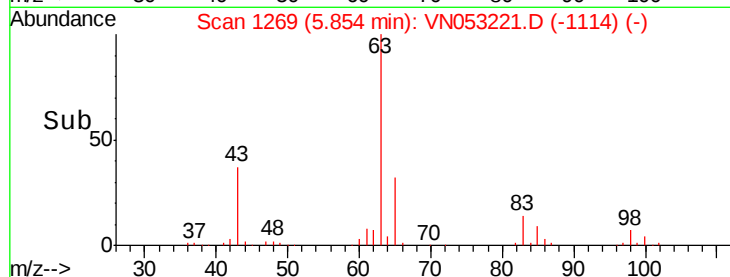
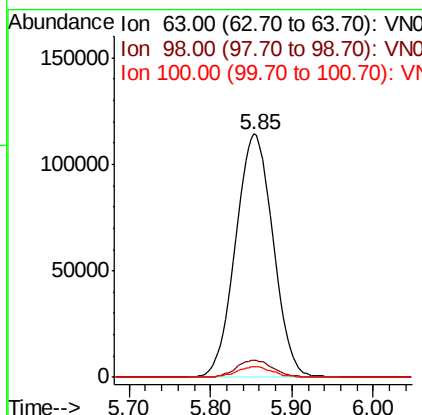
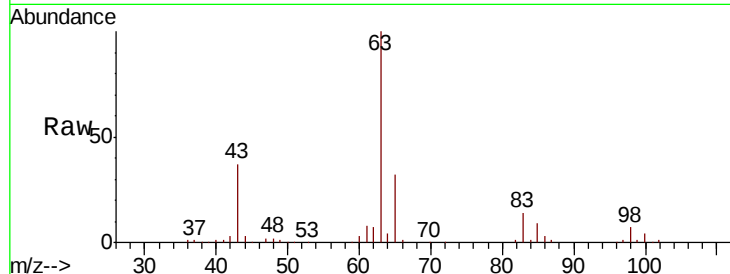
#21
 1,1-Dichloroethane
 Concen: 19.763 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.1	3.0	9.2	
100	4.4	1.8	5.5	

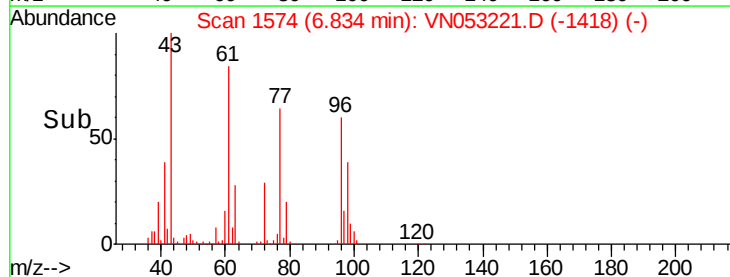
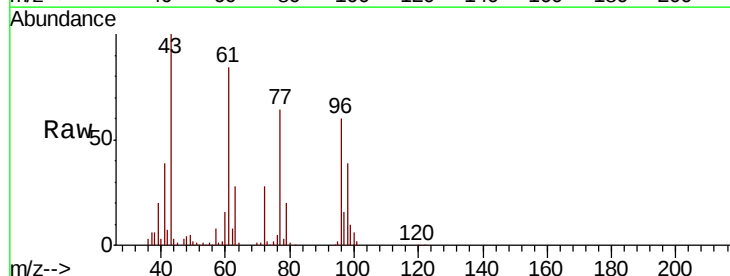
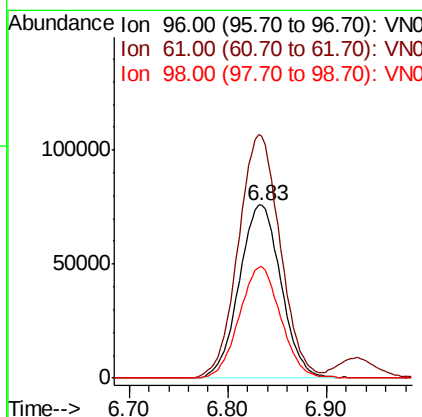
Manual Integrations
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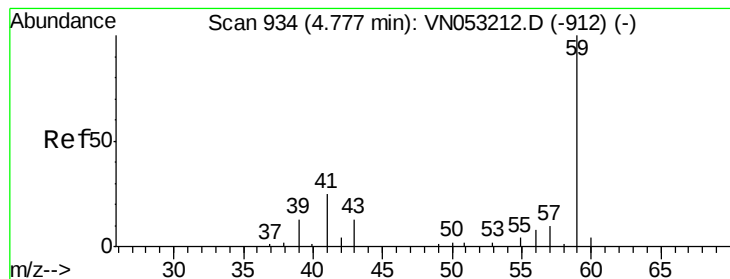
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#22
 cis-1,2-Dichloroethene
 Concen: 19.908 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.0	116.7	175.1	
98	63.6	50.8	76.2	





#23

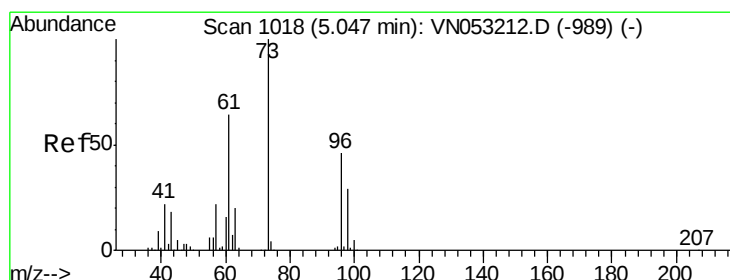
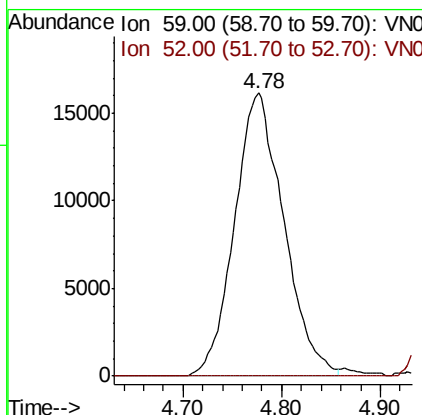
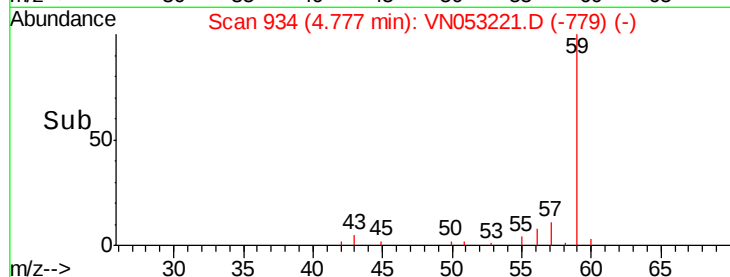
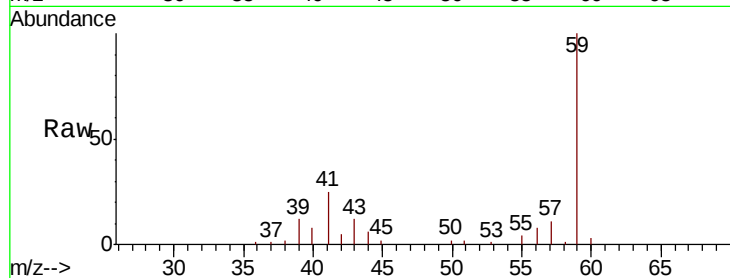
tert-Butyl Alcohol
 Concen: 101.289 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	55879		
52	52	0.0	0.0	0.0	0.0

Manual Integrations
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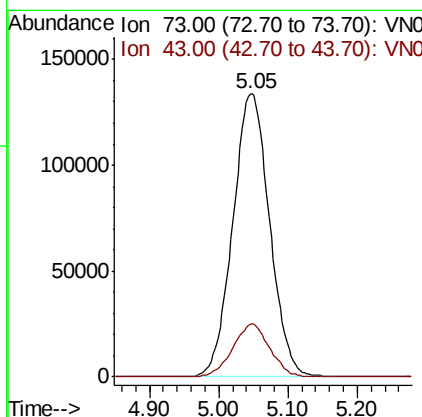
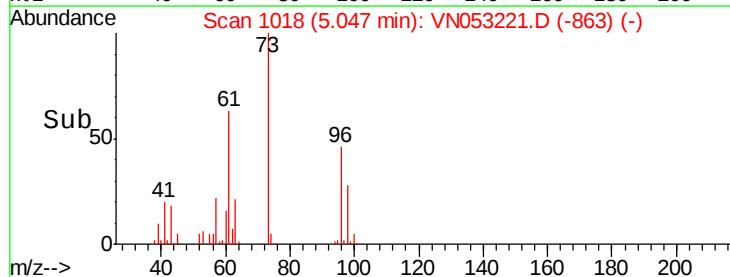
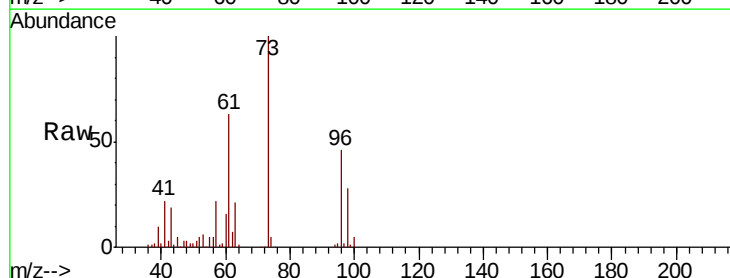
MMDadoda
 1/2/2019 9:48:53 AM

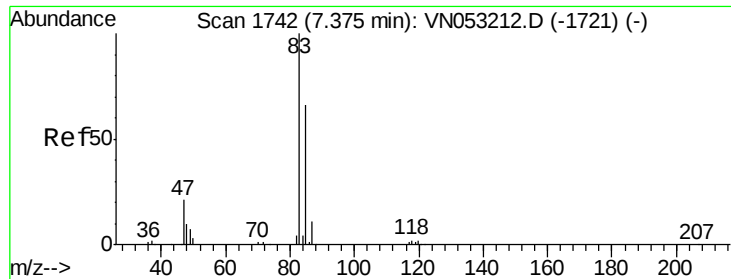


#24

Methyl tert-Butyl Ether
 Concen: 20.205 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	494480		
43	43	18.3	15.8	23.8	





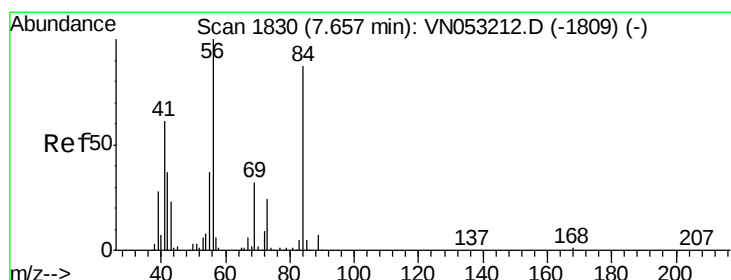
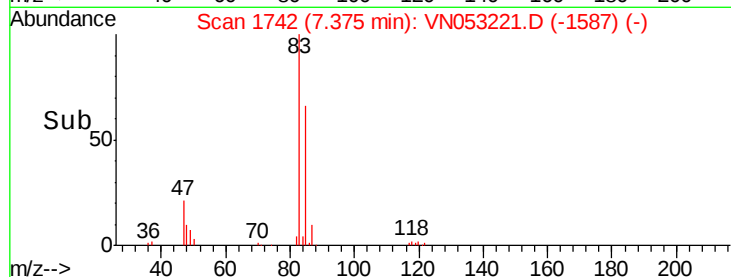
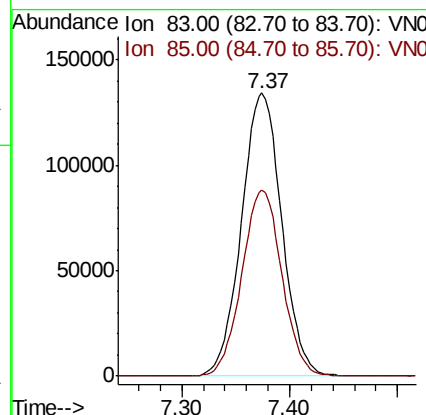
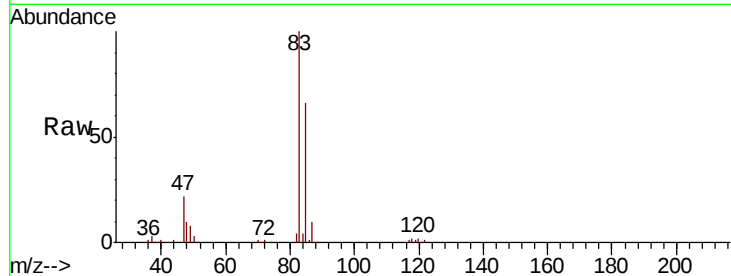
#25
Chloroform
Concen: 19.691 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	83	Resp	348457
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	51.7	77.5

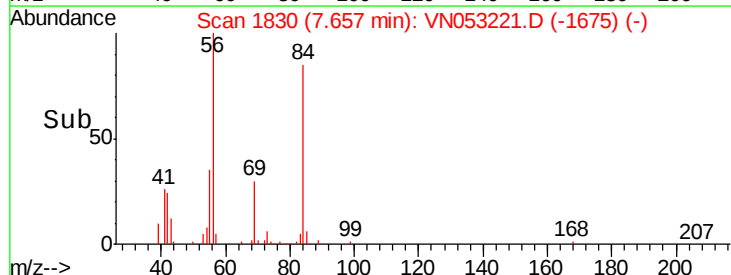
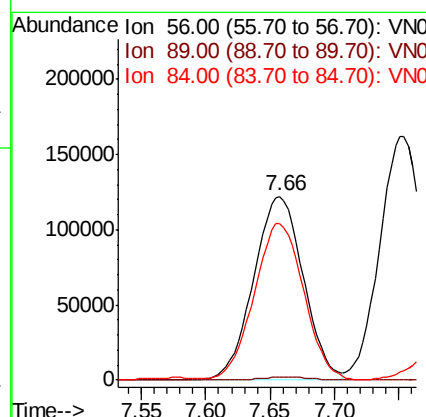
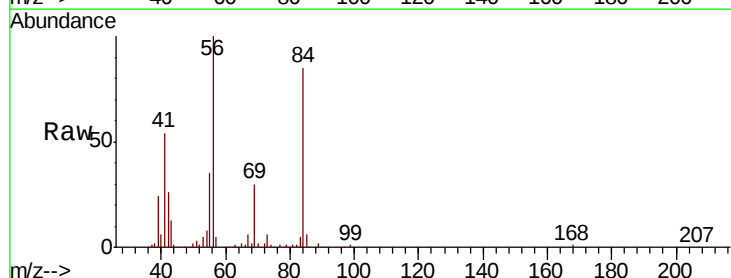
Manual Integrations
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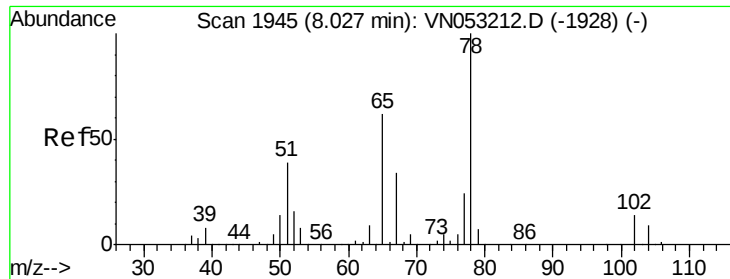
MMDadoda
1/2/2019 9:48:53 AM



#26
Cyclohexane
Concen: 19.121 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	56	Resp	328331
Ion Ratio	100	Lower	Upper
56	100		
89	1.7	0.5	0.7#
84	85.2	66.2	99.2





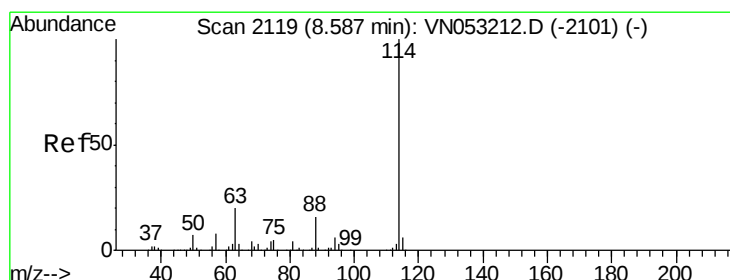
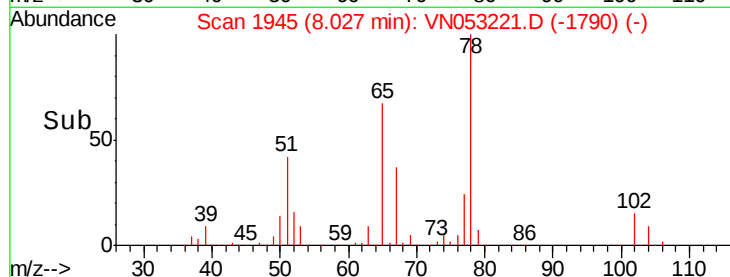
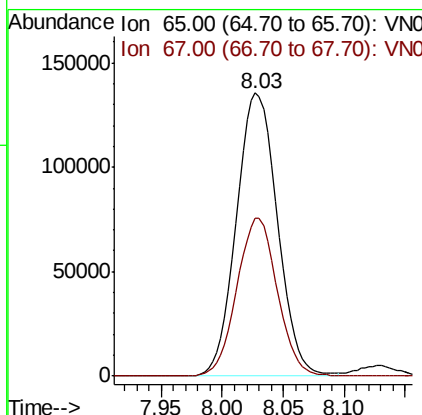
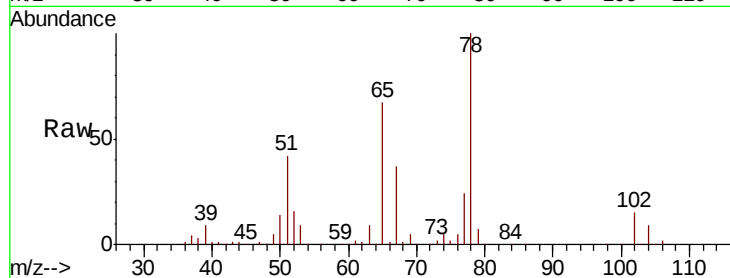
#27
 1,2-Dichloroethane-d4
 Concen: 19.121 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	44.6	66.8

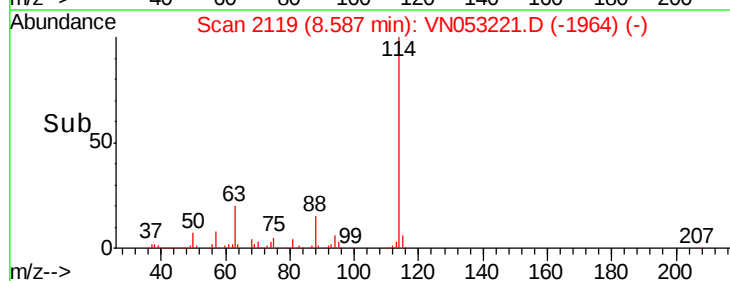
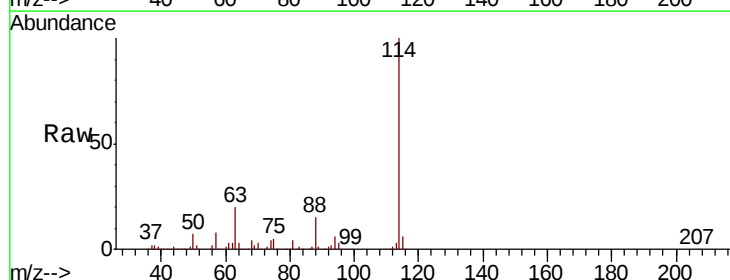
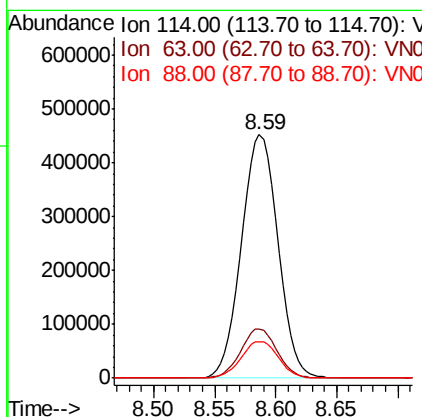
Manual Integrations
 APPROVED

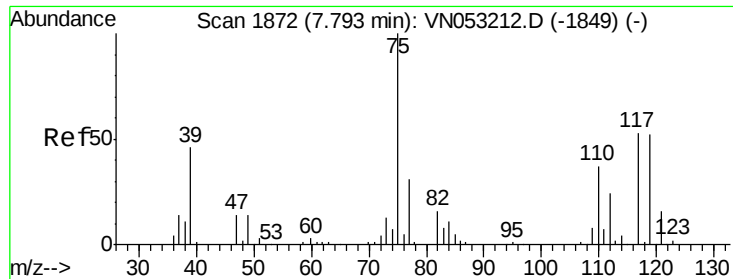
MMDadoda
 1/2/2019 9:48:53 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	16.9	25.3
88	15.4	12.8	19.2





#29

1,1-Dichloropropene

Concen: 19.403 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

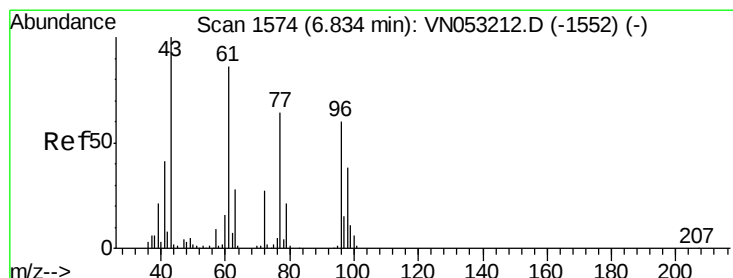
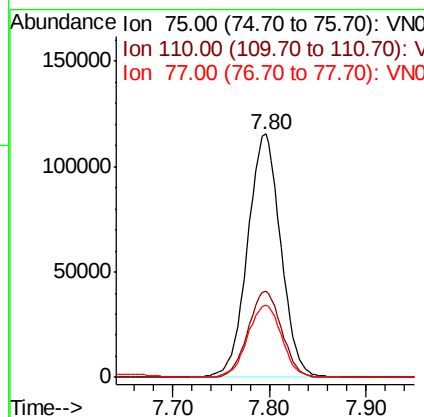
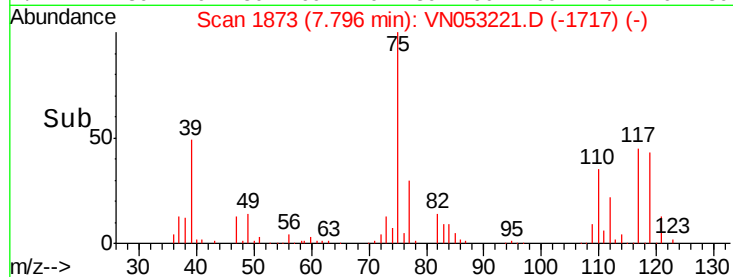
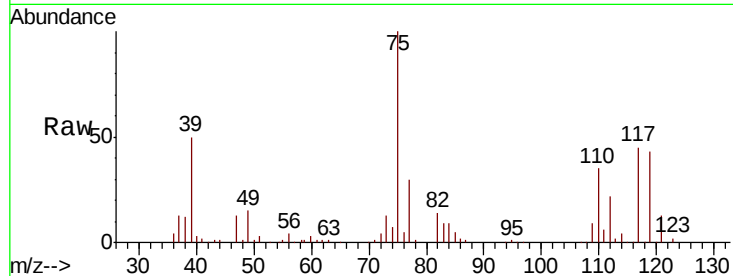
ClientSampled :

VN1228WBSD01

Tot Ion:	75	Resp:	275221
Ion Ratio	Lower	Upper	
75	100		
110	35.7	0.0	70.2
77	30.5	0.0	62.6

Manual Integrations
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#30

2-Butanone

Concen: 101.709 ug/l

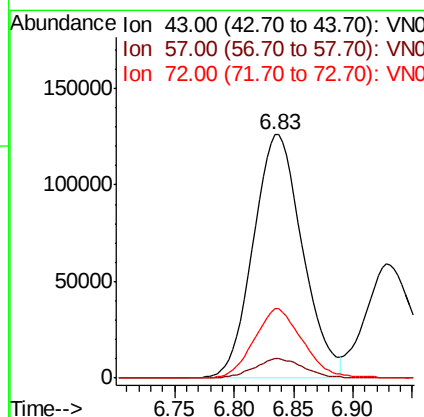
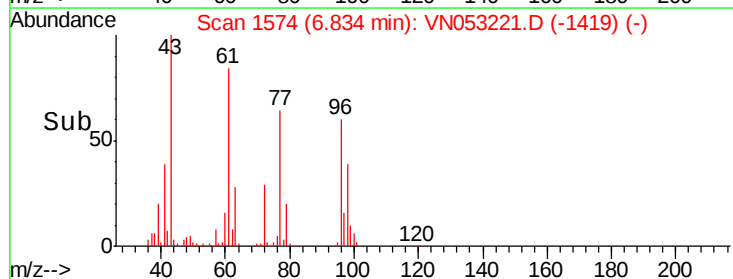
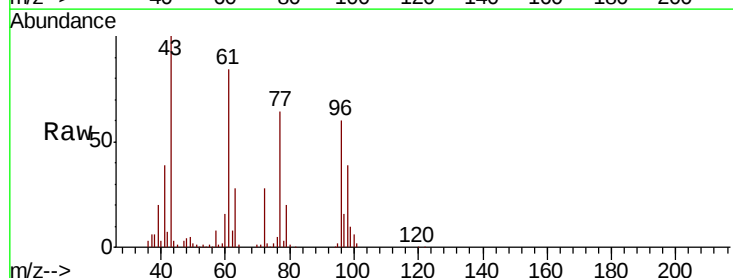
RT: 6.83 min Scan# 1574

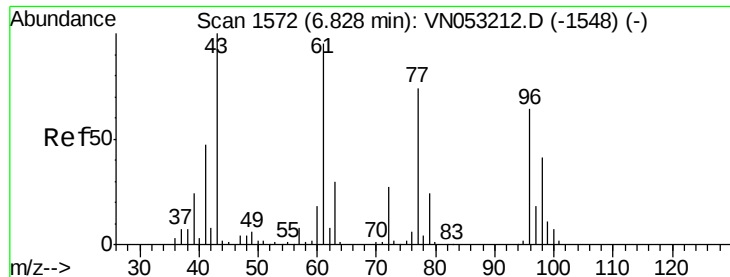
Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Tgt Ion:	43	Resp:	359931
Ion Ratio	Lower	Upper	
43	100		
57	8.1	6.2	9.4
72	28.4	21.0	31.6





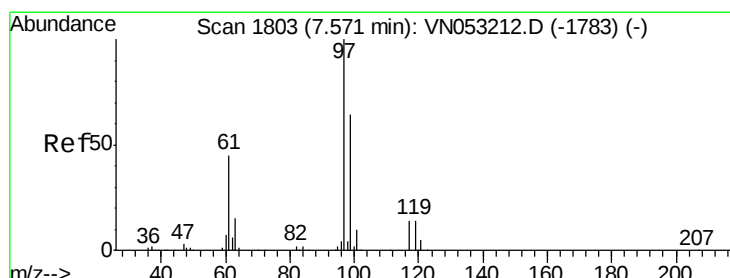
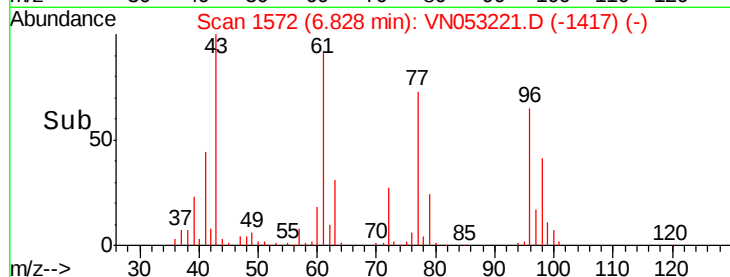
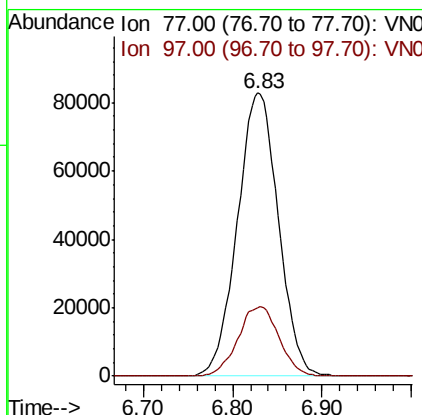
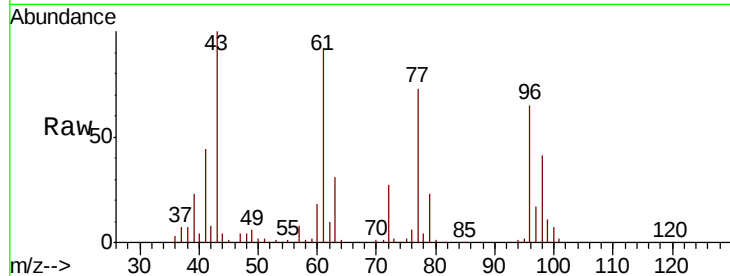
#31
 2,2-Dichloropropane
 Concen: 19.219 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.6	18.7	28.1

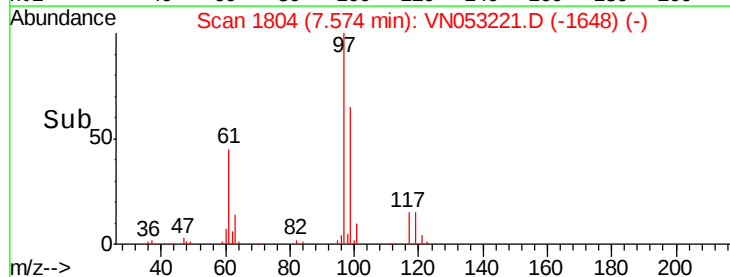
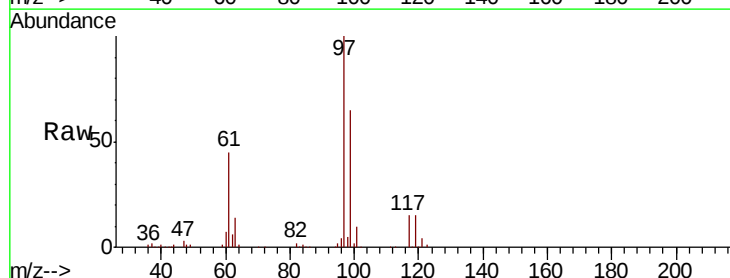
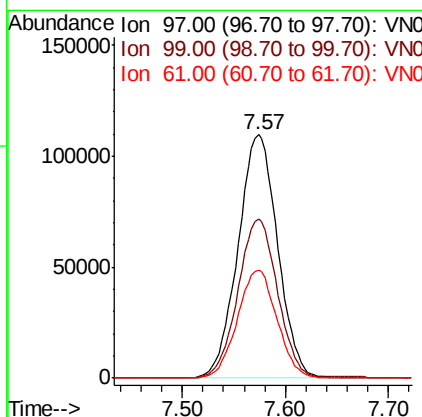
Manual Integrations
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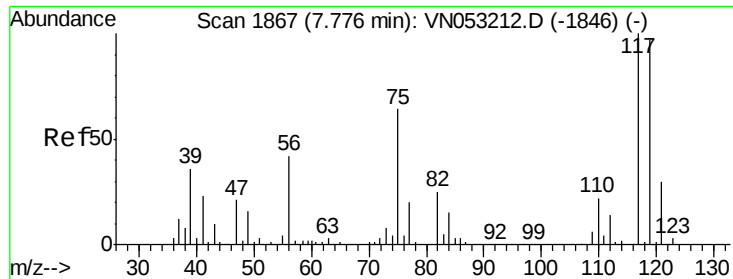
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#32
 1,1,1-Trichloroethane
 Concen: 19.704 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.9	76.3
61	44.3	38.1	57.1





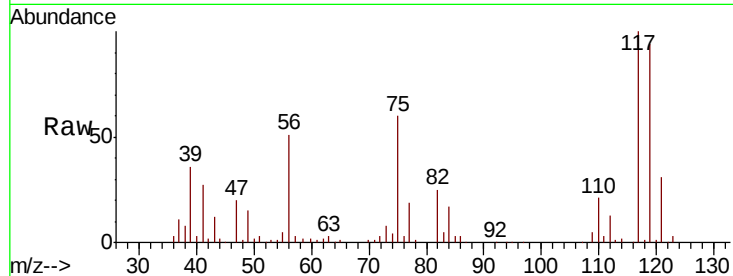
#33
Carbon Tetrachloride
Concen: 19.483 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.3	115.9
121	30.7	24.9	37.3

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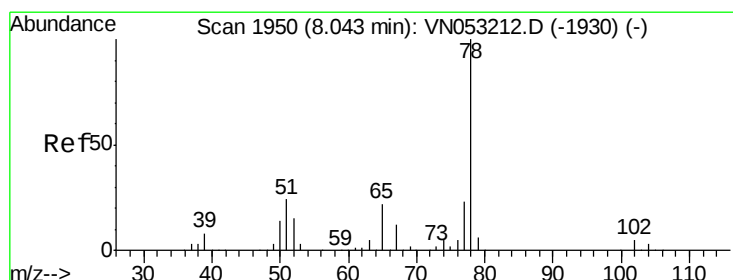
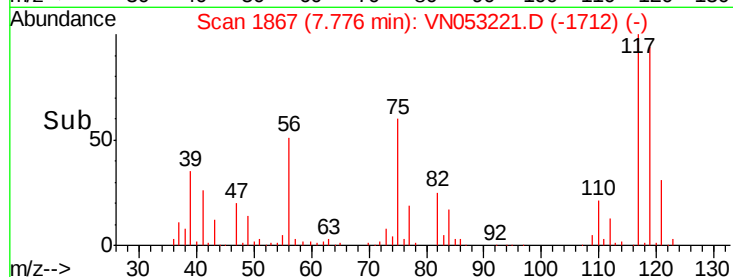
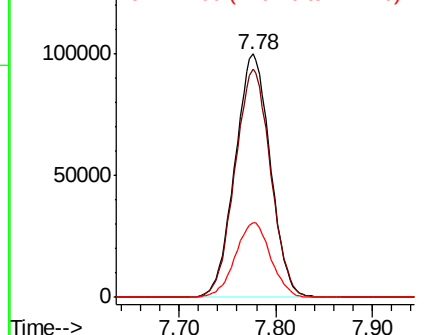


Abundance

Ion 117.00 (116.70 to 117.70): V

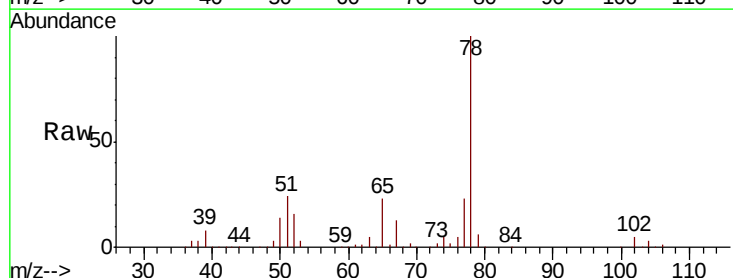
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 19.647 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6
51	23.8	20.5	30.7

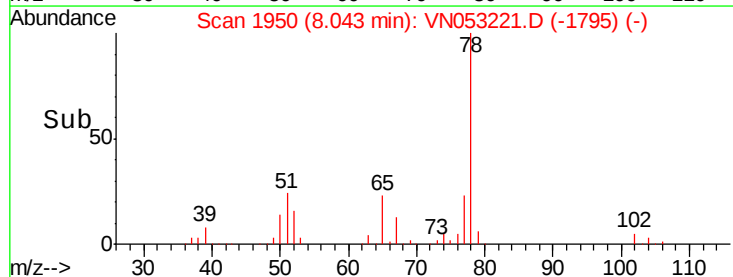
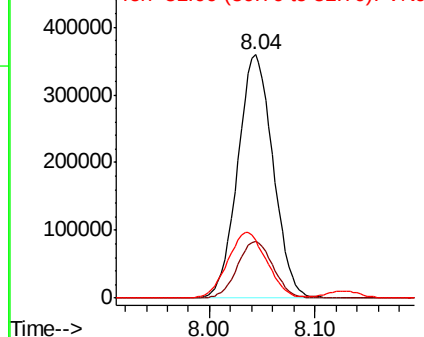


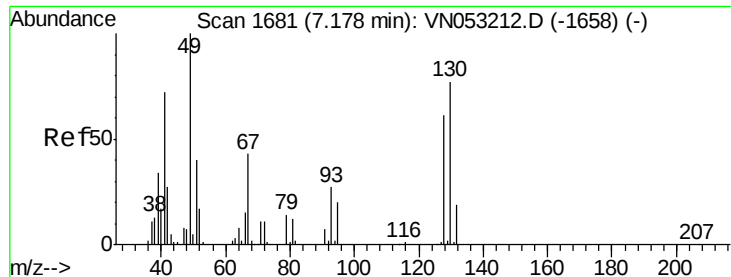
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





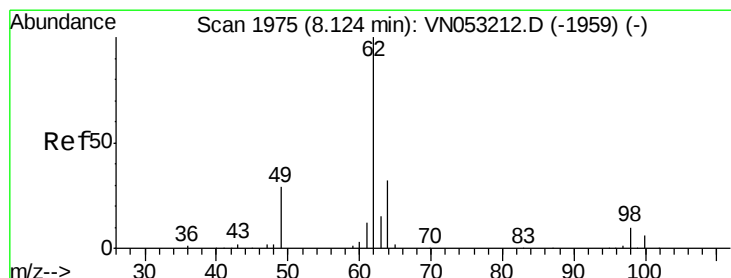
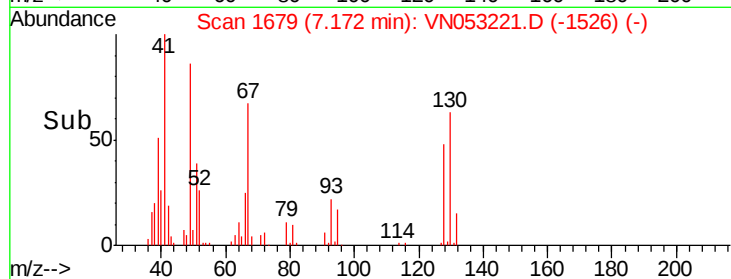
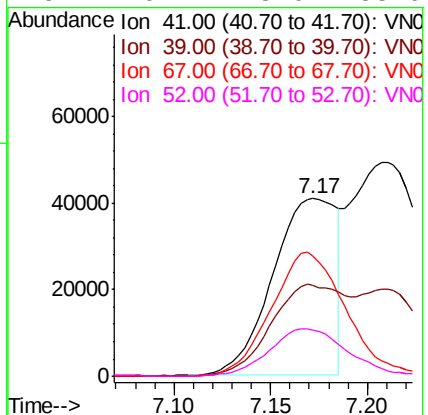
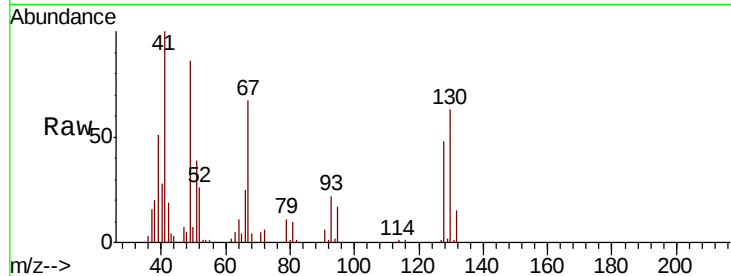
#35
Methacrylonitrile
Concen: 20.496 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampled :
VN1228WBSD01

Tot Ion:	41	Resp:	93593
Ion	Ratio	Lower	Upper
41	100		
39	51.5	26.6	79.7
67	67.8	32.3	96.9
52	26.4	13.0	38.9

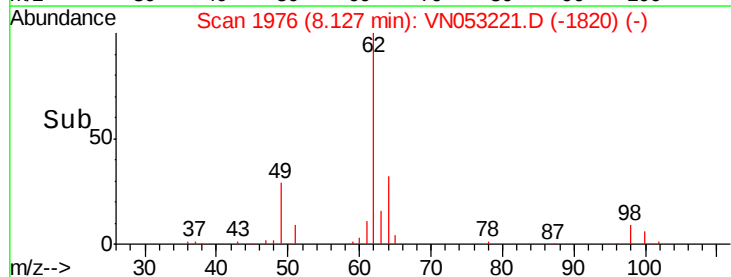
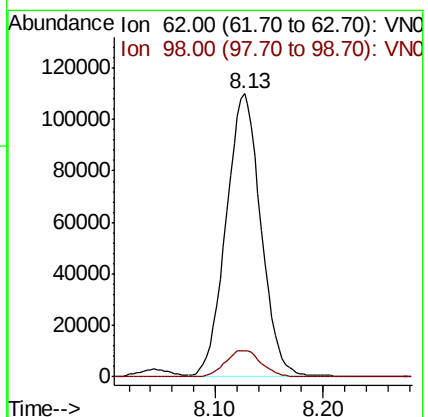
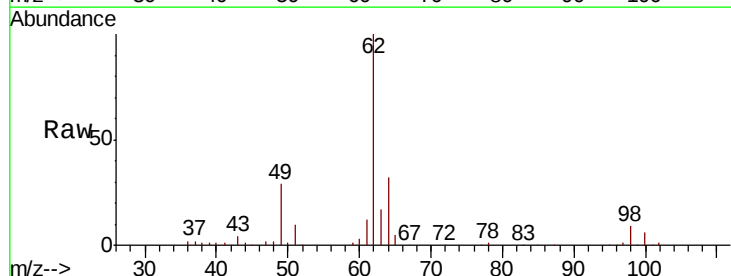
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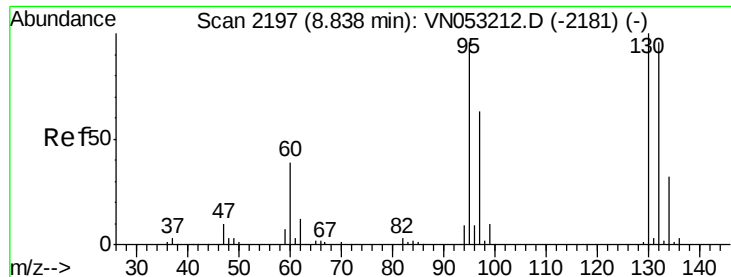
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#36
1,2-Dichloroethane
Concen: 19.950 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion:	62	Resp:	246888
Ion	Ratio	Lower	Upper
62	100		
98	9.8	7.4	11.2





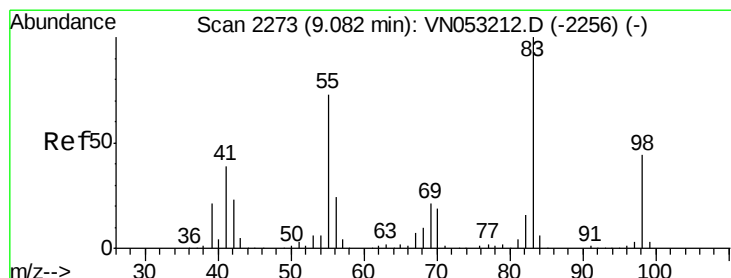
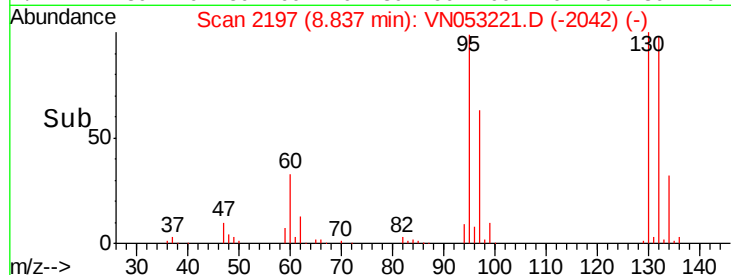
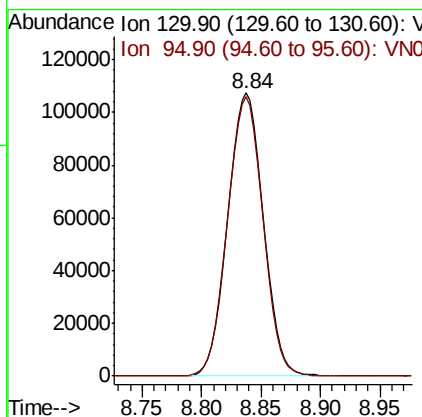
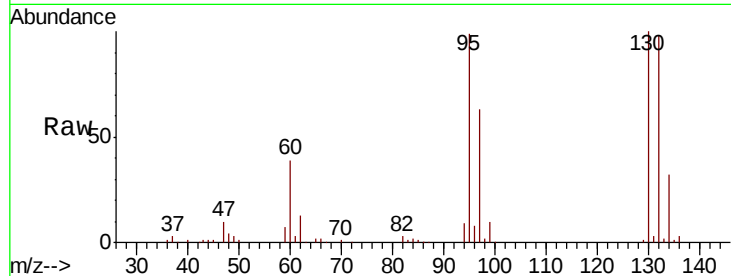
#37
 Trichloroethene
 Concen: 19.272 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Tot Ion:130 Resp: 222560
 Ion Ratio Lower Upper
 130 100
 95 98.8 81.0 121.4

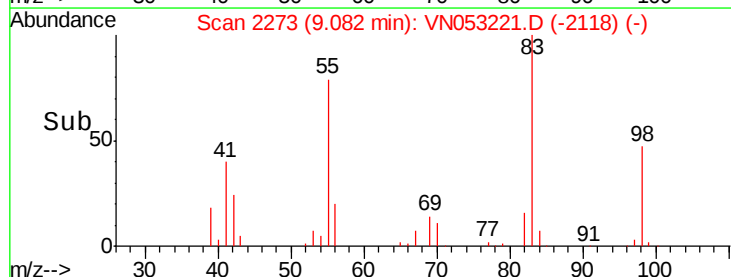
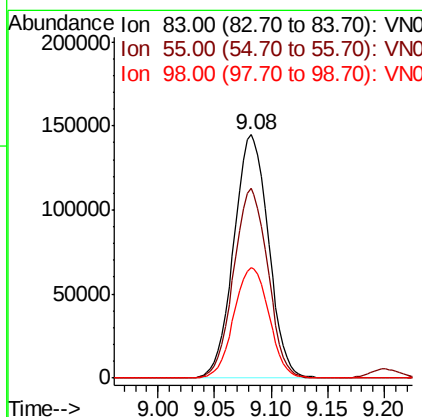
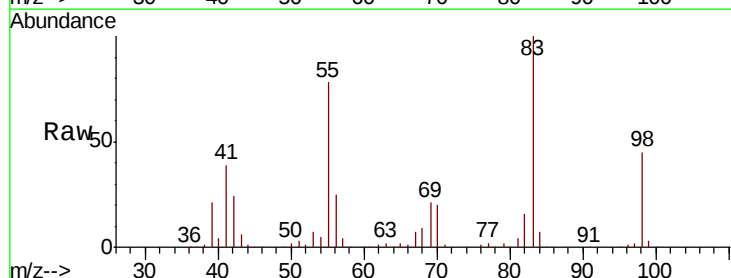
Manual Integrations
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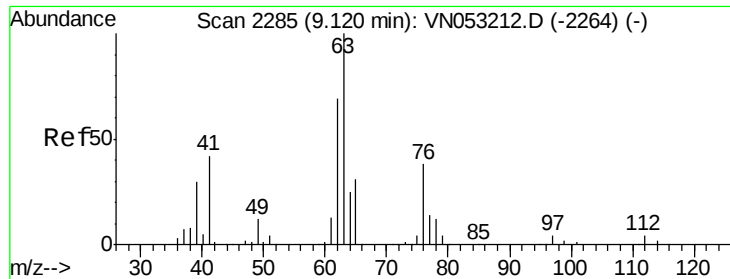
MMDadoda
 1/2/2019 9:48:53 AM



#38
 Methylcyclohexane
 Concen: 18.636 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Tgt Ion: 83 Resp: 309181
 Ion Ratio Lower Upper
 83 100
 55 76.7 39.8 119.4
 98 46.1 22.9 68.5





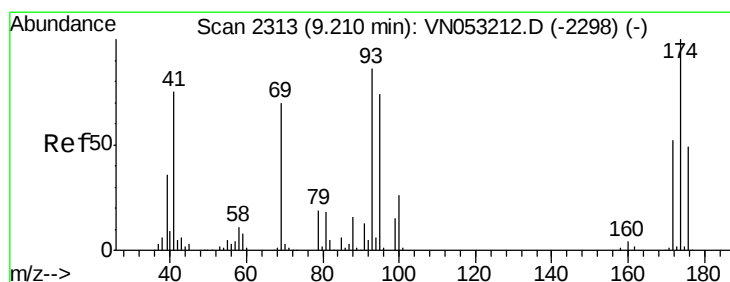
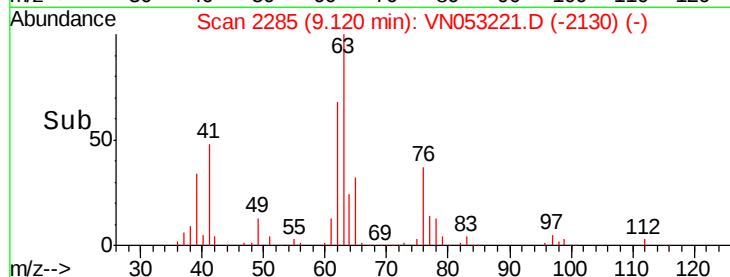
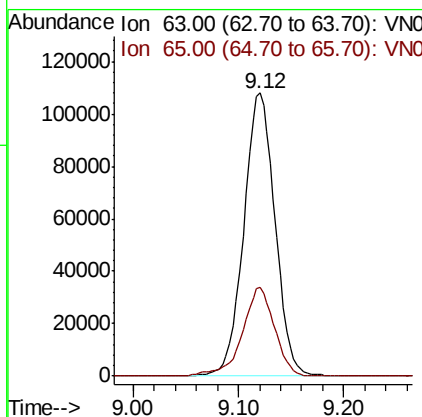
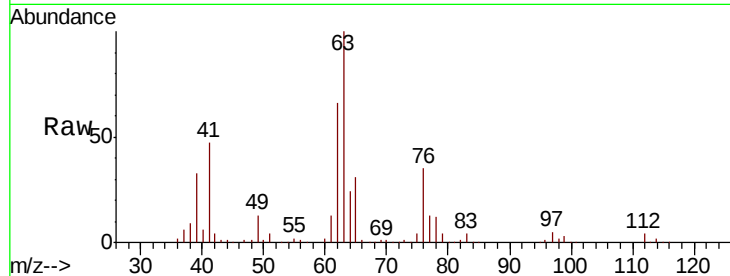
#39
 1,2-Dichloropropane
 Concen: 19.976 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Tot Ion: 63 Resp: 222365
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.6 35.4

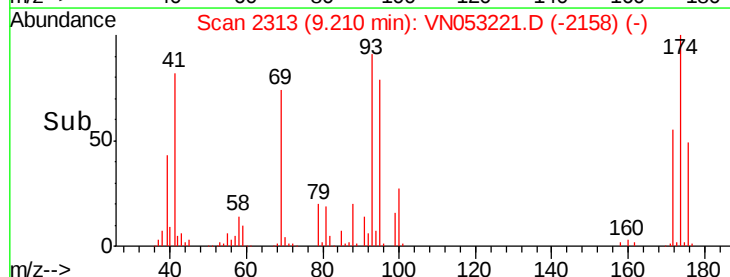
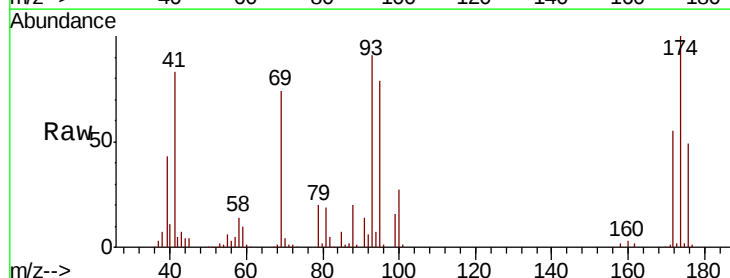
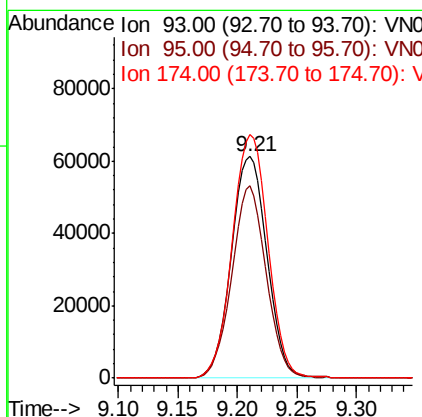
Manual Integrations
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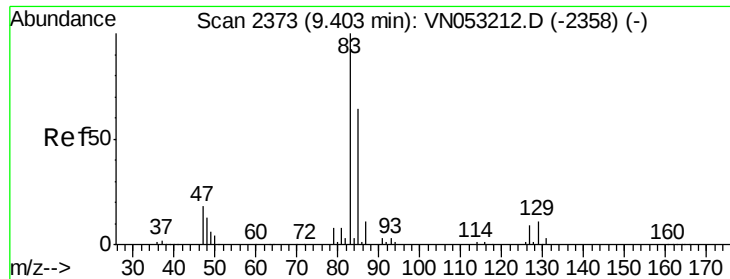
MMDadoda
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#40
 Dibromomethane
 Concen: 20.299 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Tgt Ion: 93 Resp: 127786
 Ion Ratio Lower Upper
 93 100
 95 83.0 0.0 168.4
 174 109.8 0.0 210.0





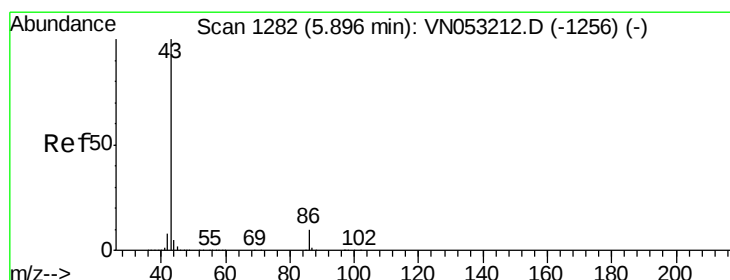
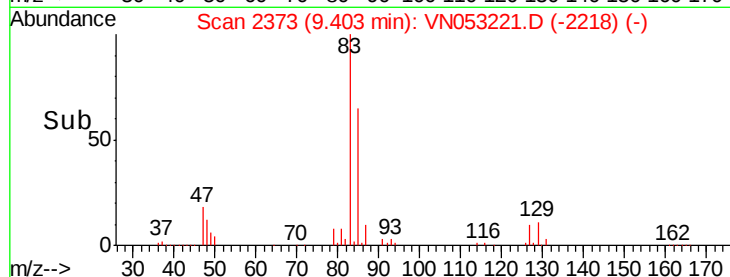
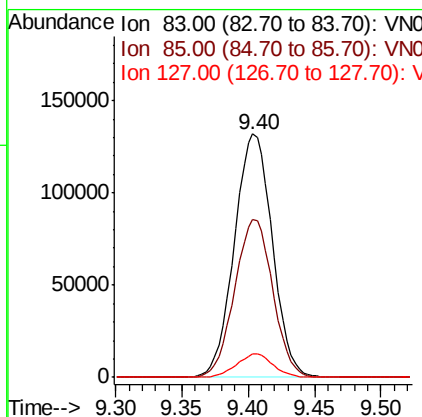
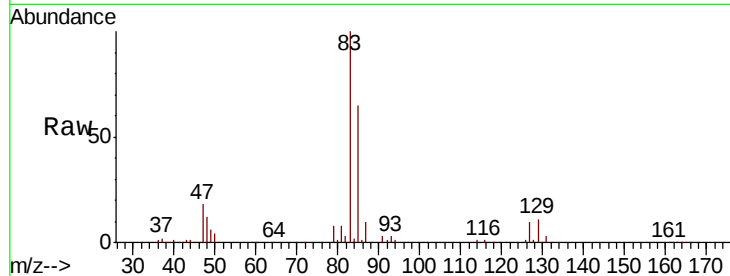
#41
Bromodichloromethane
Concen: 19.419 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6
127	9.5	6.6	9.8

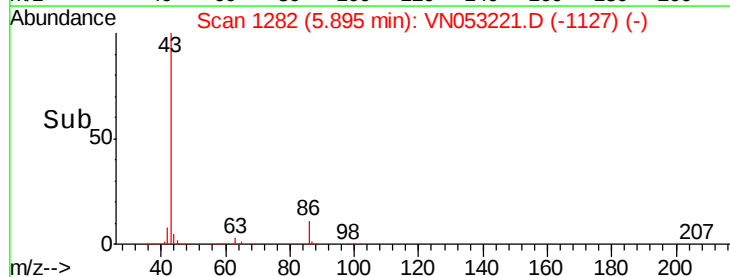
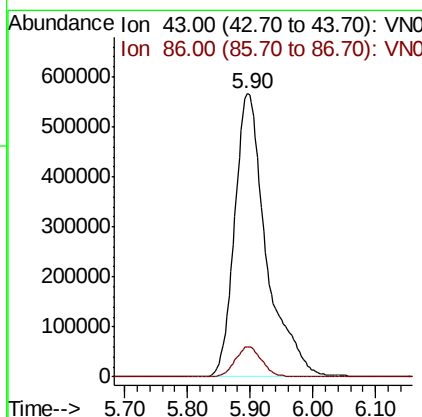
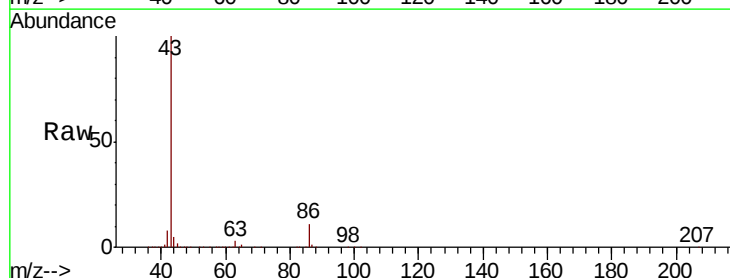
Manual Integrations
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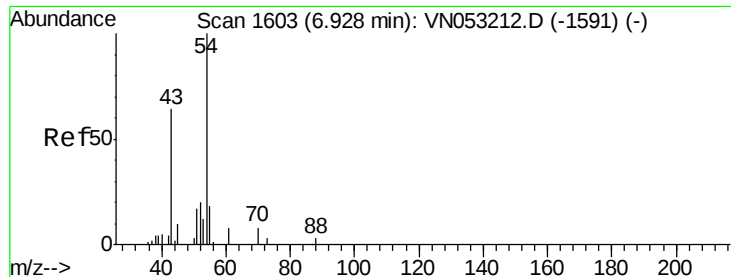
MMDadoda
1/2/2019 9:48:53 AM



#42
Vinyl Acetate
Concen: 102.879 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.5	9.7





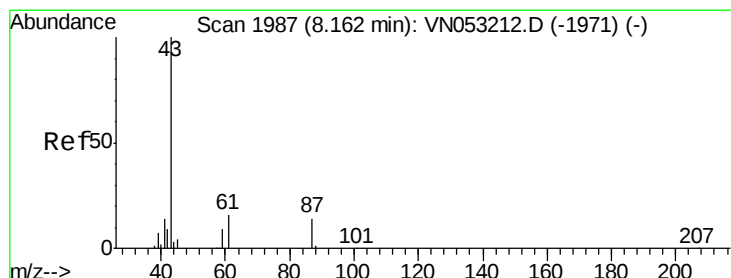
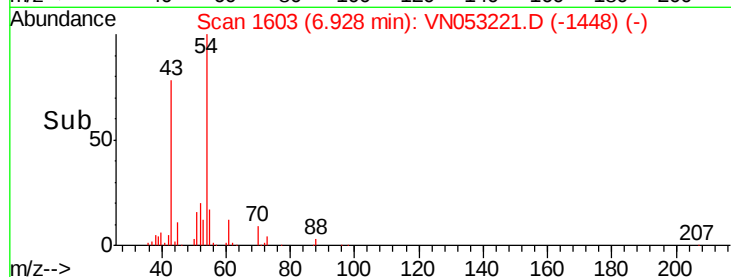
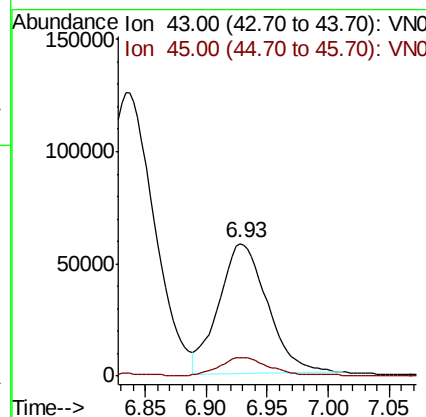
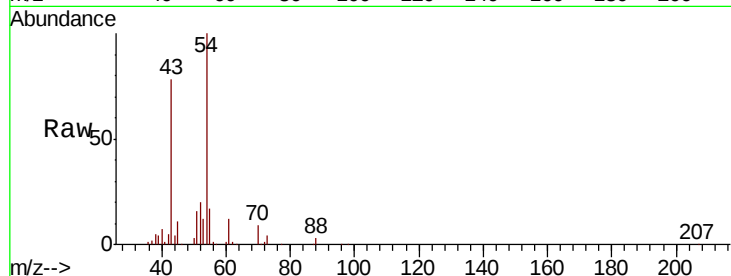
#43
Ethyl Acetate
Concen: 20.370 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	43	Ratio	Lower	Upper
160984	100			
45	13.7	1.0	1.6#	

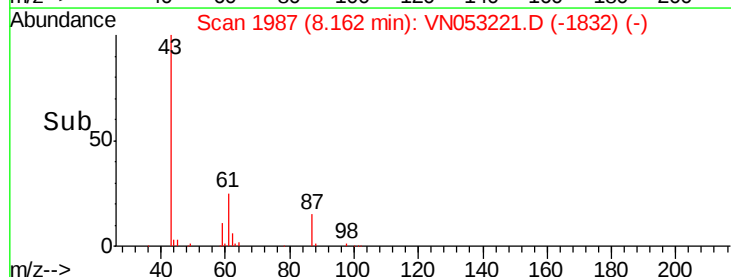
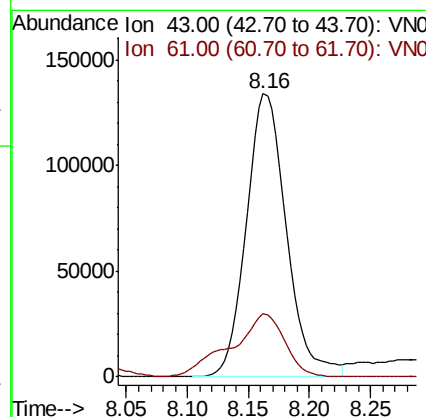
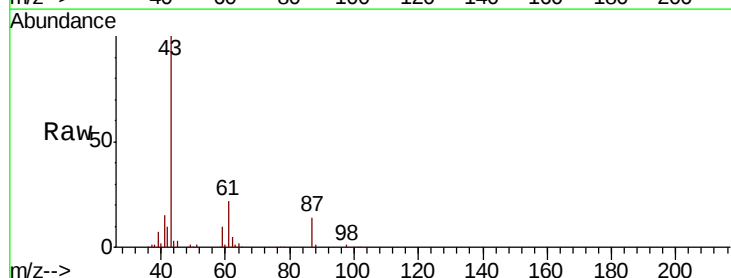
Manual Integrations
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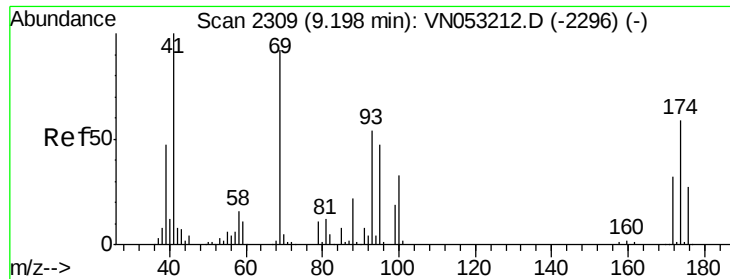
MMDadoda
1/2/2019 9:48:53 AM



#44
Isopropyl Acetate
Concen: 20.594 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	43	Ratio	Lower	Upper
303173	100			
61	20.7	16.0	24.0	





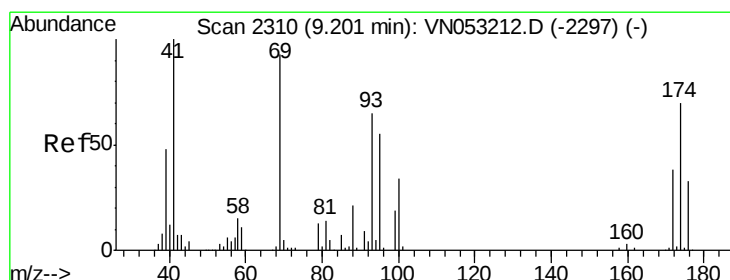
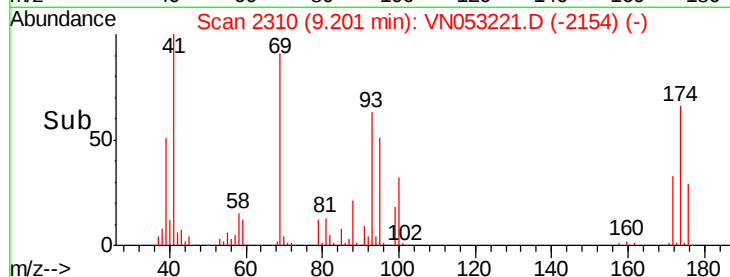
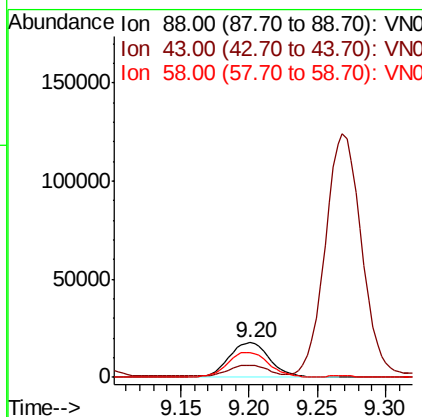
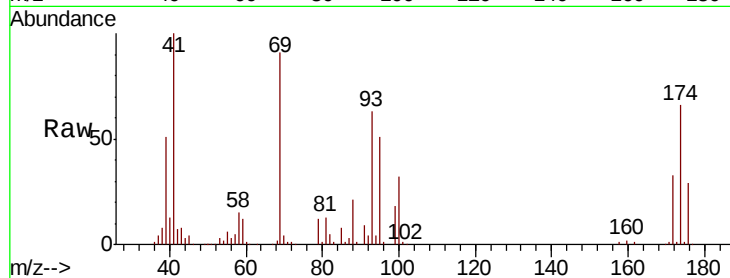
#45
1,4-Dioxane
Concen: 415.424 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	29.5	44.3
58	72.8	61.5	92.3

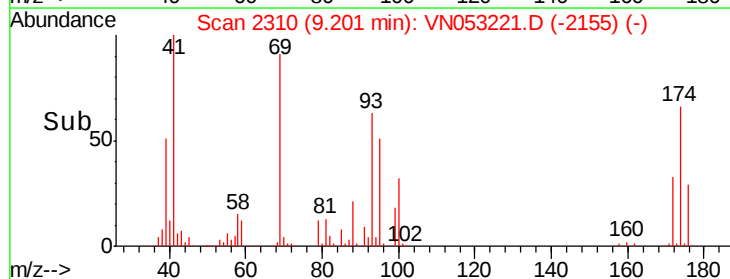
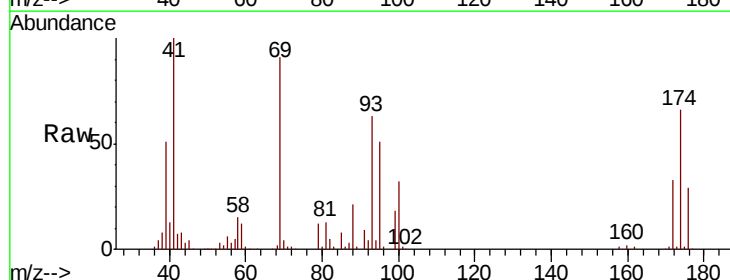
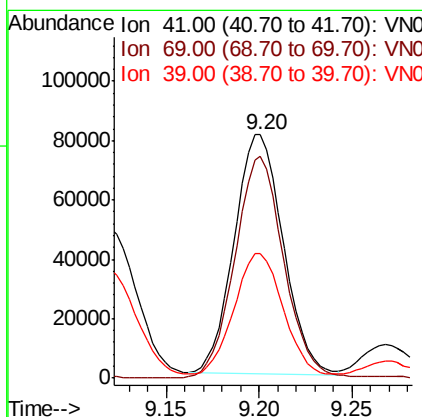
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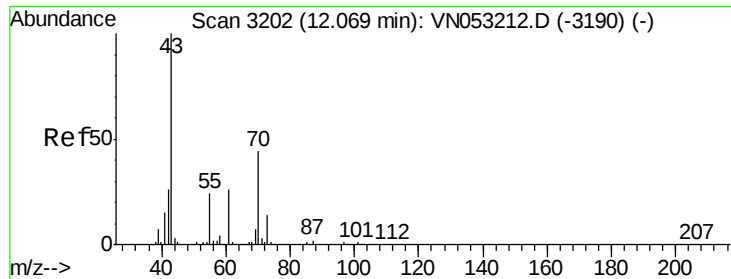
MMDadoda
1/2/2019 9:48:53 AM



#46
Methyl methacrylate
Concen: 19.990 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.5	42.5	127.6
39	50.7	26.3	78.9





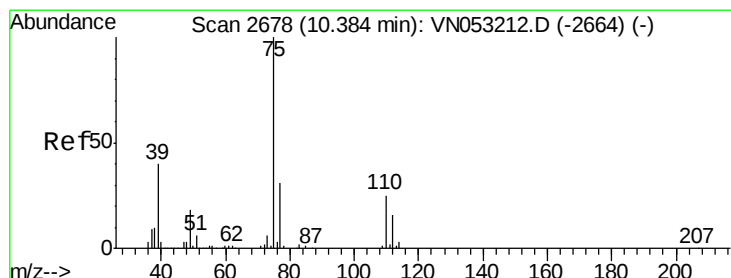
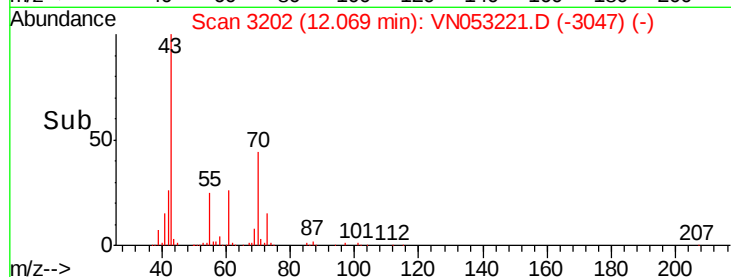
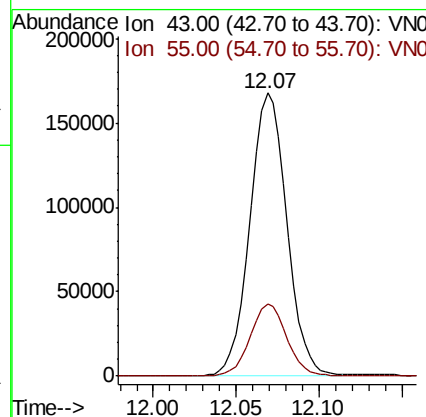
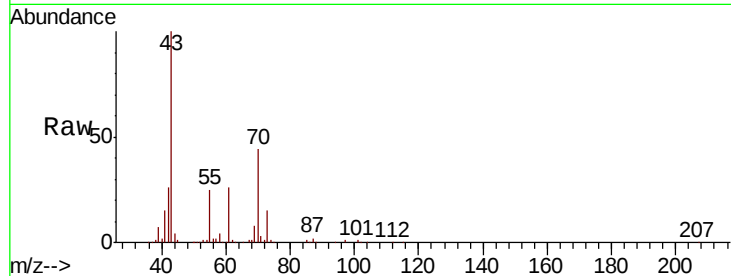
#47
n-amvl Acetate
Concen: 20.041 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion: 43 Resp: 259103
Ion Ratio Lower Upper
43 100
55 25.5 21.1 31.7

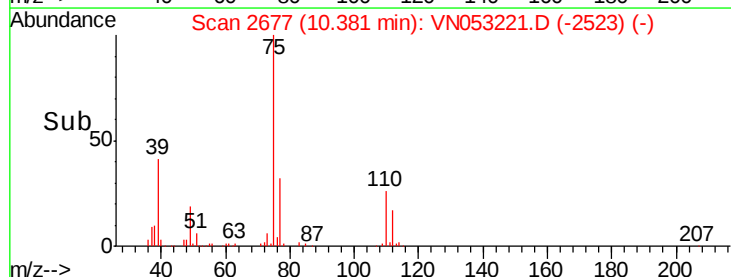
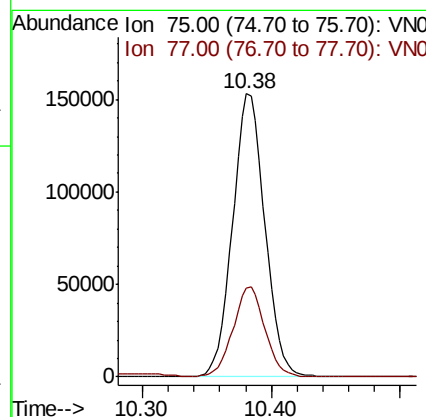
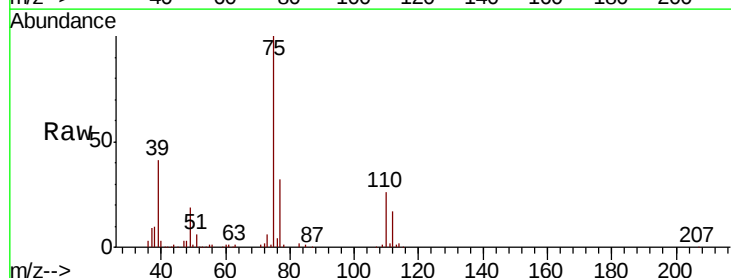
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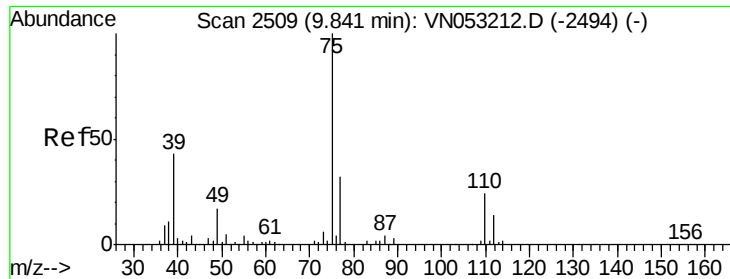
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#48
t-1,3-Dichloropropene
Concen: 19.220 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion: 75 Resp: 265207
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4





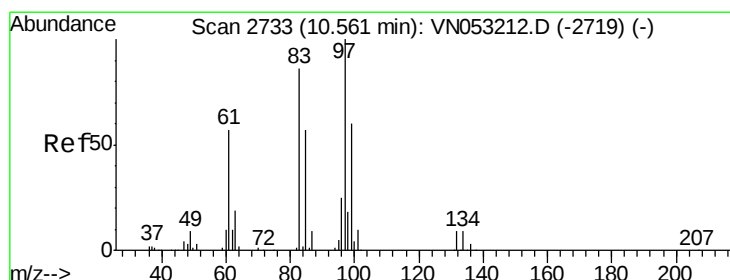
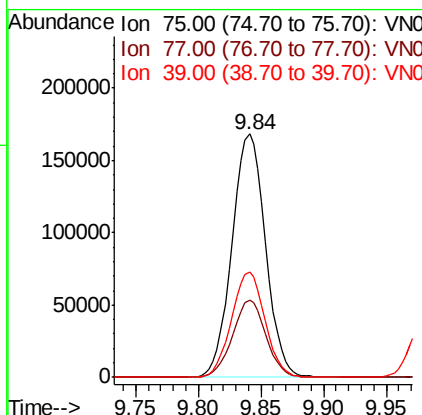
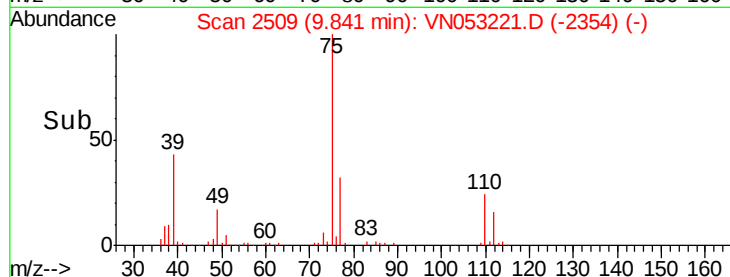
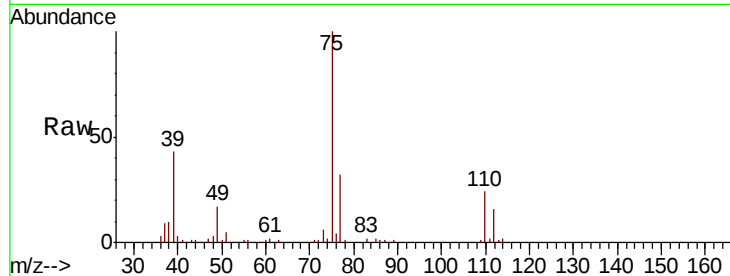
#49
 cis-1,3-Dichloropropene
 Concen: 19.280 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	43.2	37.3	55.9

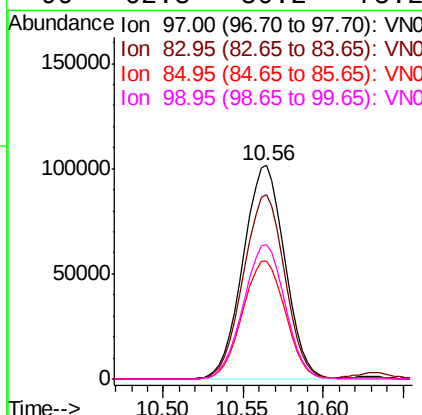
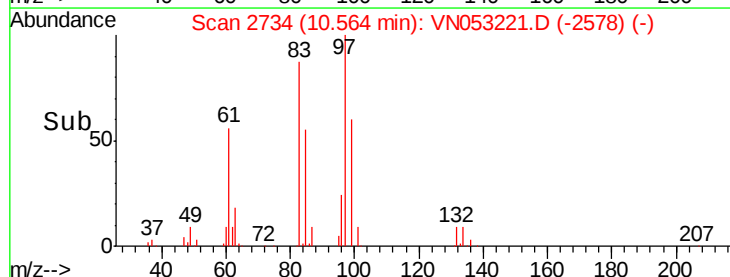
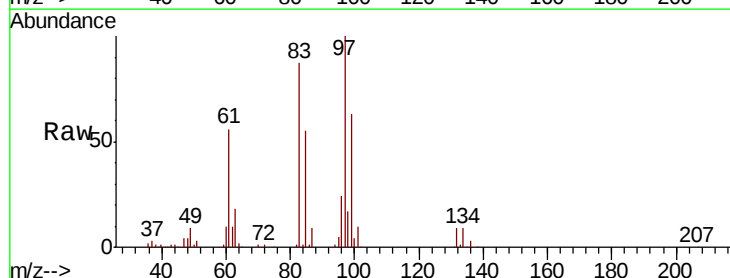
Manual Integrations
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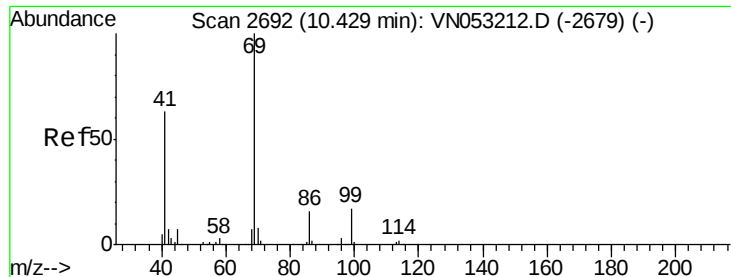
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 1/2/2019 9:48:53 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.129 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.4	105.6
85	55.1	45.0	67.6
99	62.8	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.897 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

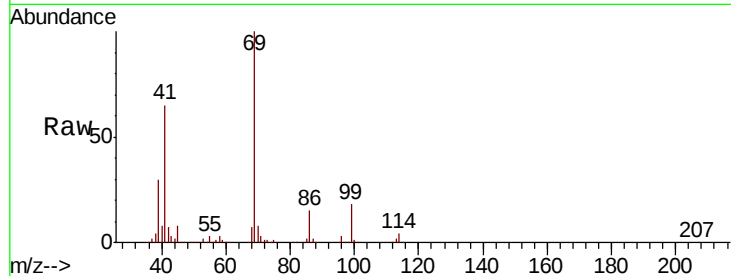
ClientSampleId :

VN1228WBSD01

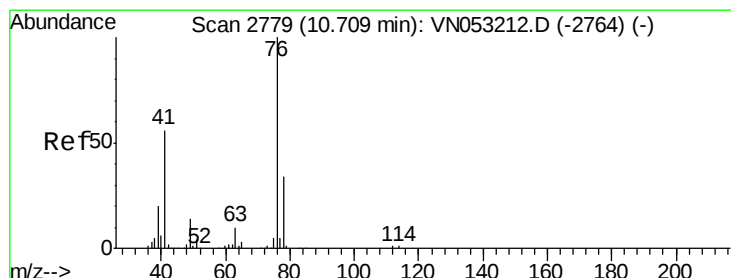
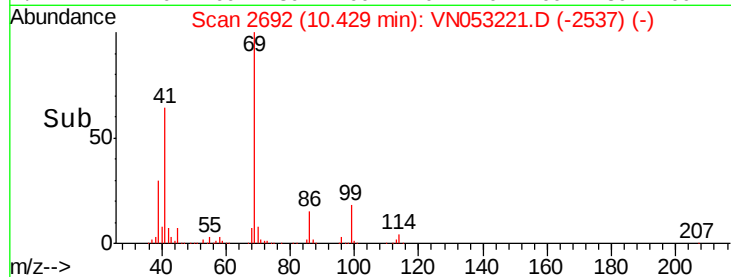
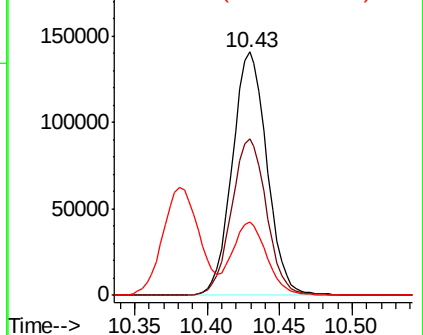
Tot Ion:	69	Resp:	234066
Ion	Ratio	Lower	Upper
69	100		
41	64.3	34.4	103.3
39	30.0	16.4	49.2

Manual Integrations
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Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.892 ug/l

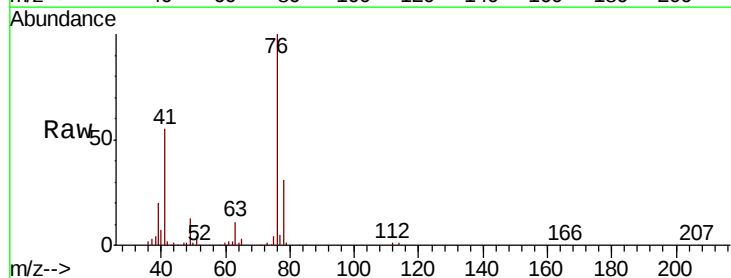
RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

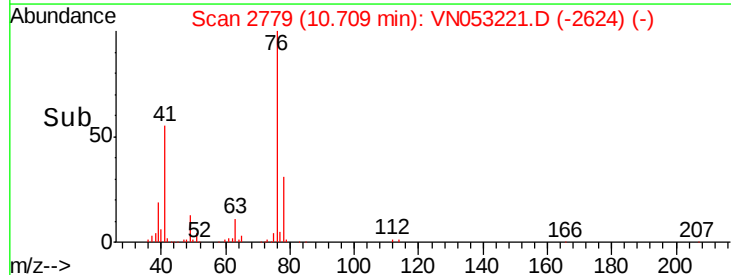
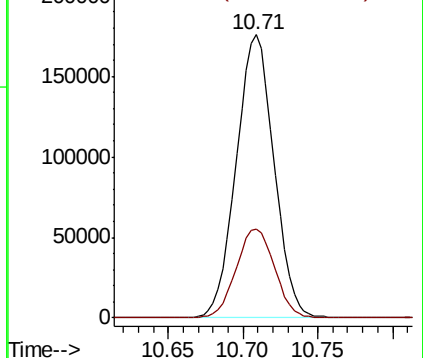
Lab File: VN053221.D

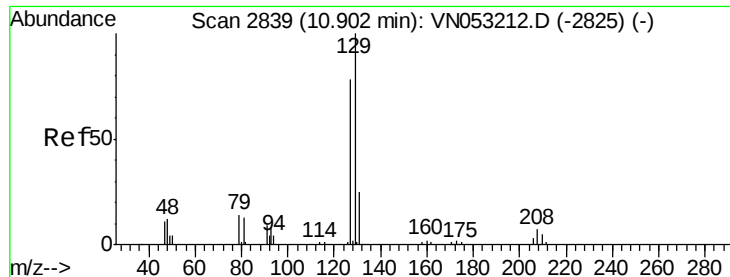
Acq: 28 Dec 2018 13:09

Tgt Ion:	76	Resp:	309299
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.444 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBSD01

Tot Ion:129 Resp: 197119

Ion Ratio Lower Upper

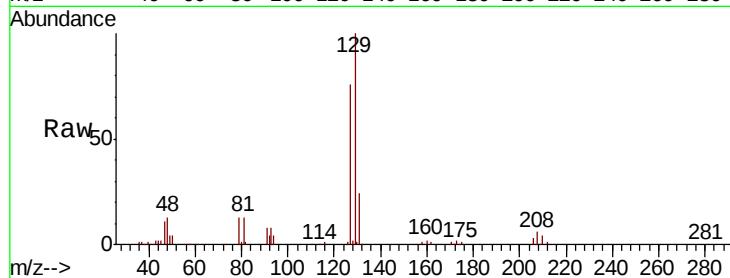
129 100

127 76.8 37.6 112.8

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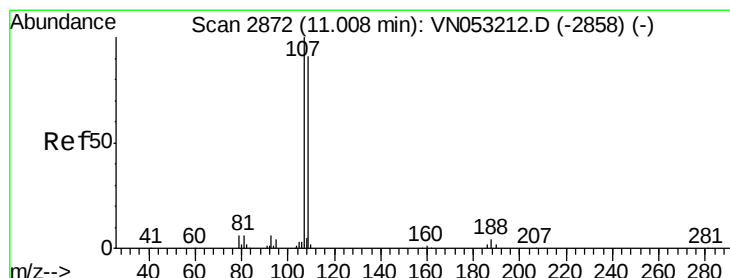
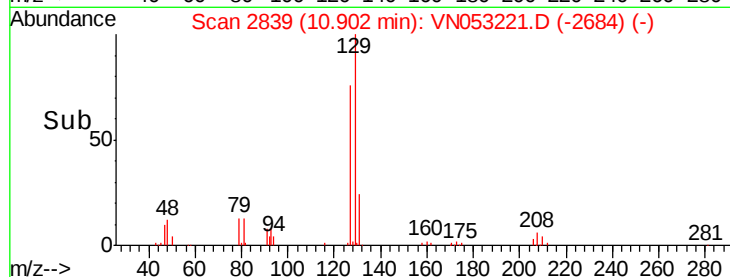
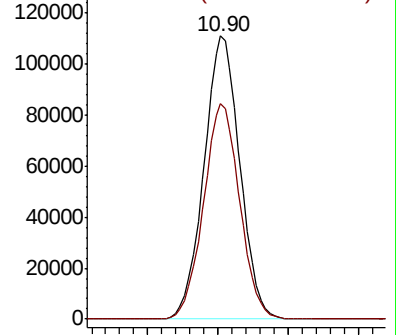
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.590 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN053221.D

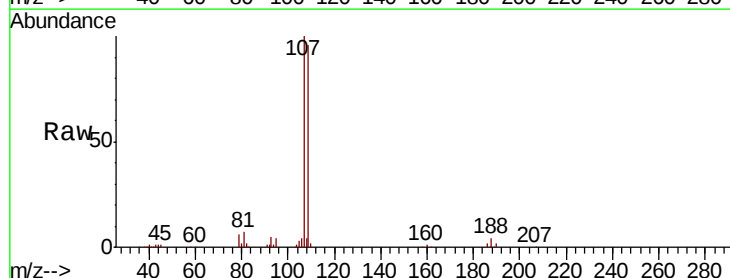
Acq: 28 Dec 2018 13:09

Tgt Ion:107 Resp: 178385

Ion Ratio Lower Upper

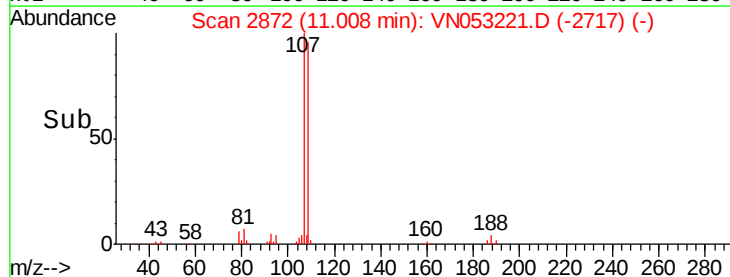
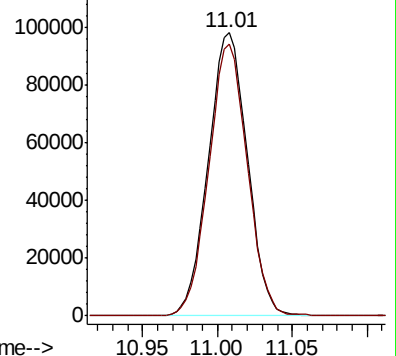
107 100

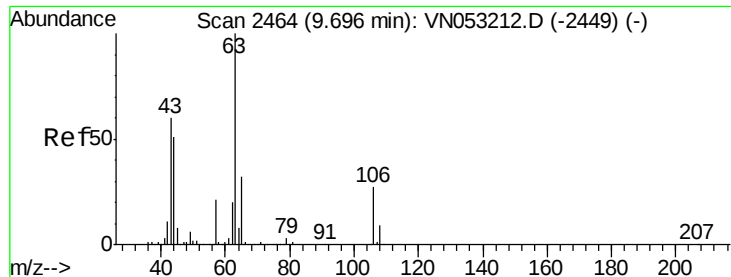
109 94.7 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 97.531 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

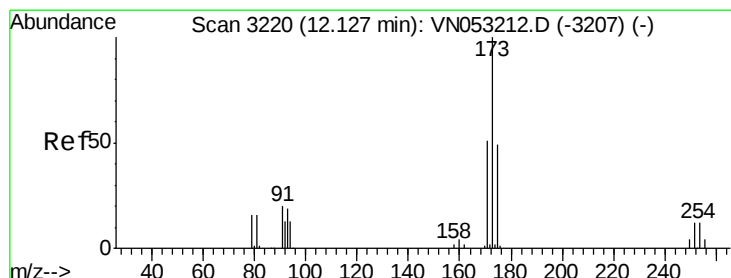
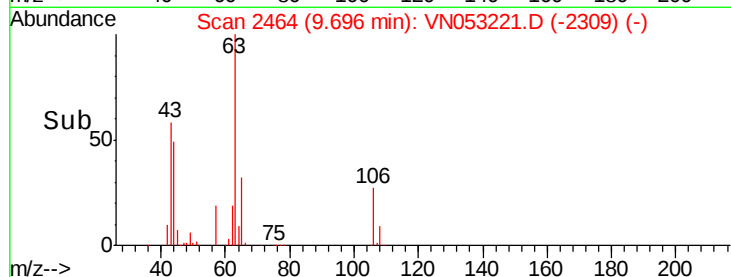
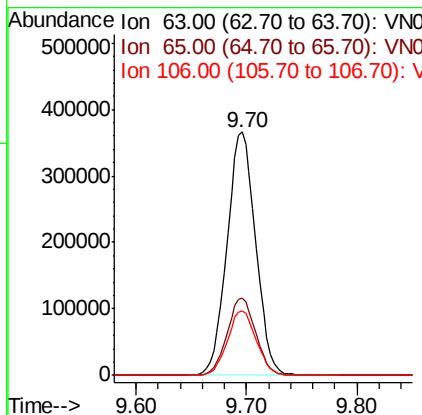
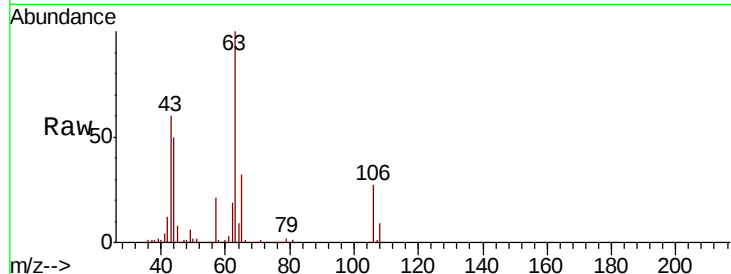
ClientSampleId :

VN1228WBSD01

Tot Ion:	63	Resp:	658449
Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.4	38.2
106	26.8	20.4	30.6

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#56

Bromoform

Concen: 19.182 ug/l

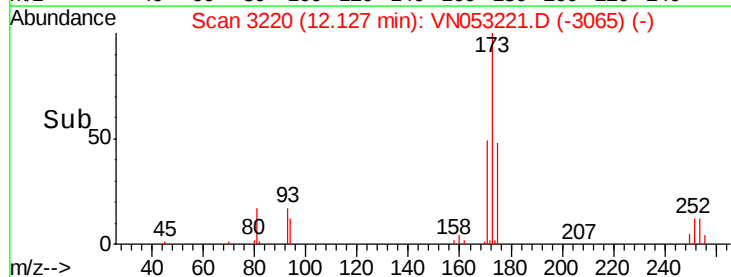
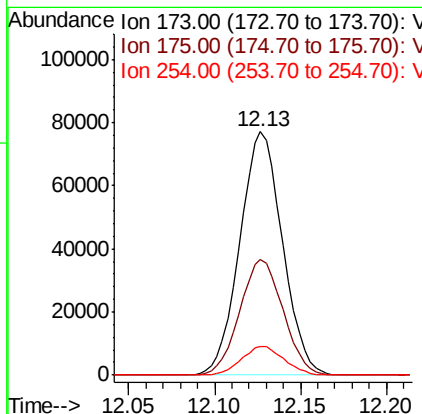
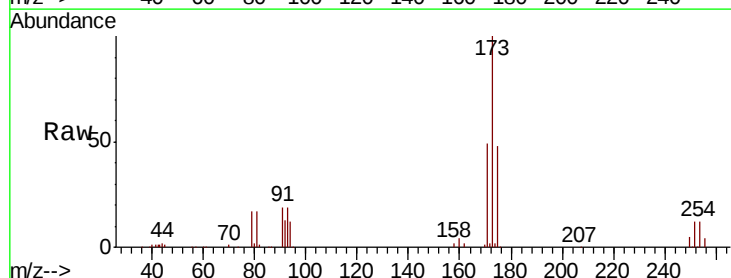
RT: 12.13 min Scan# 3220

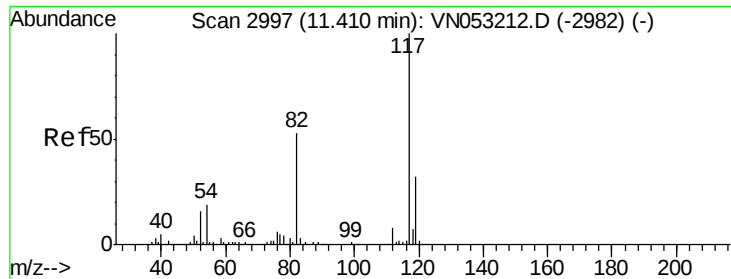
Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Tgt Ion:	173	Resp:	133028
Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.7	58.1
254	11.7	8.4	12.6





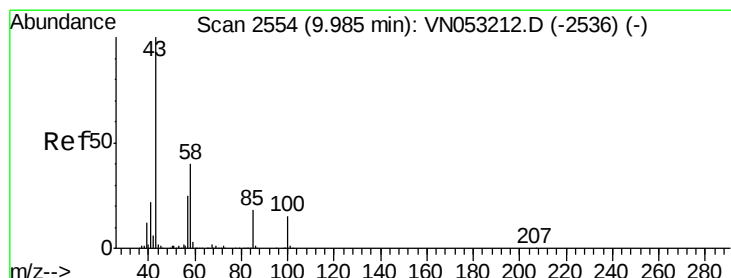
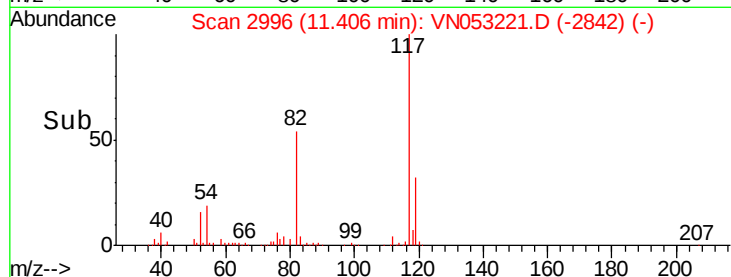
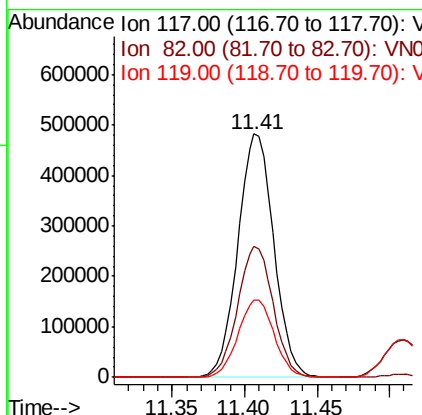
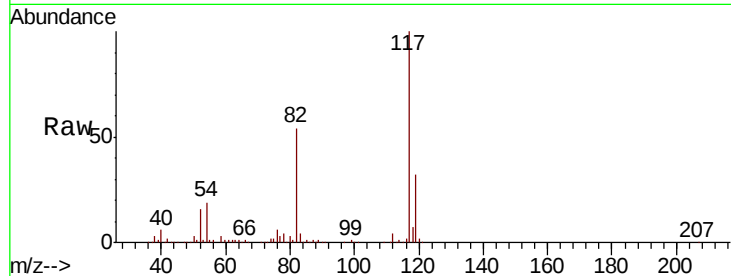
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	44.2	66.2
119	32.0	25.4	38.2

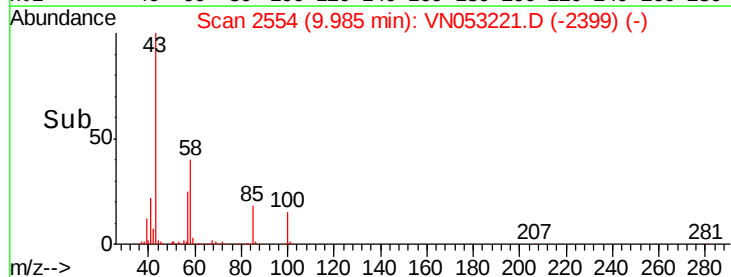
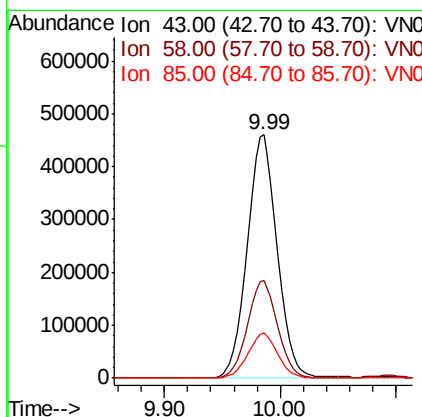
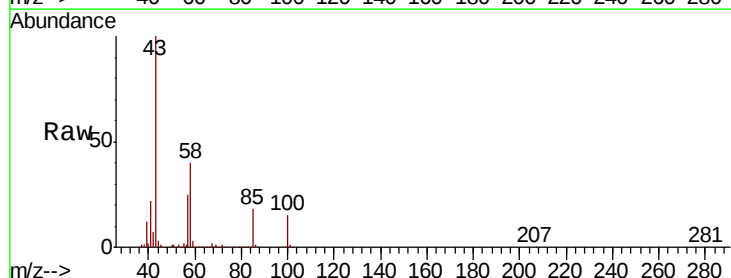
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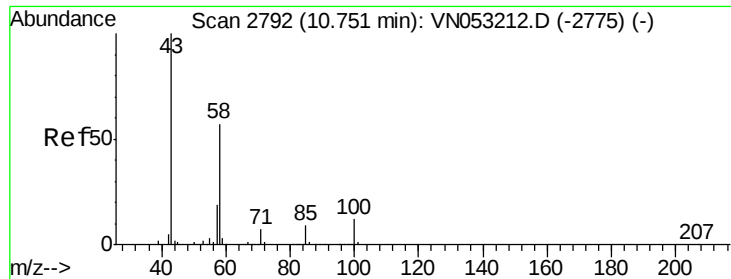
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#58
4-Methyl-2-Pentanone
Concen: 104.570 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.6	47.4
85	18.3	13.3	19.9





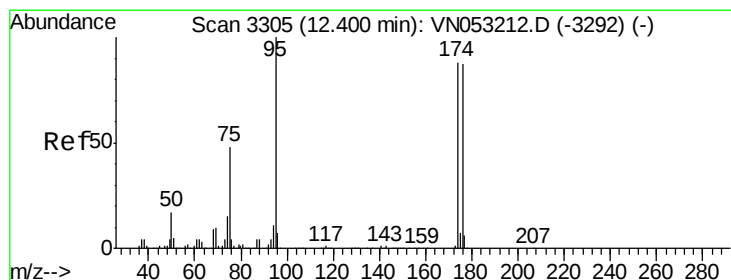
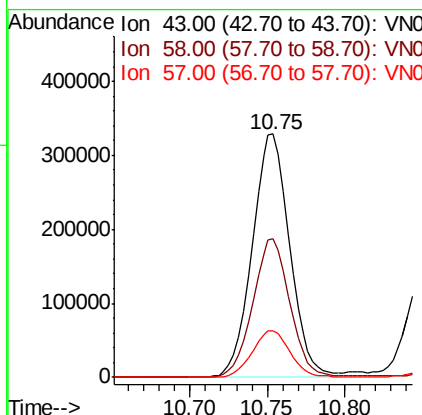
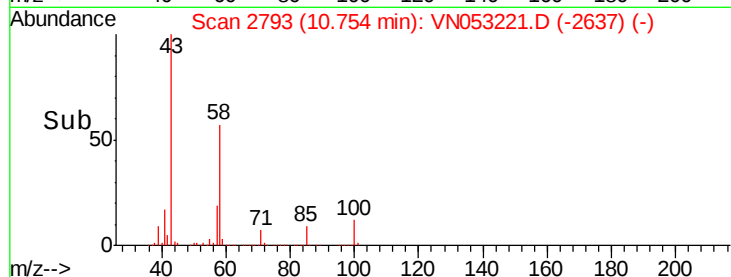
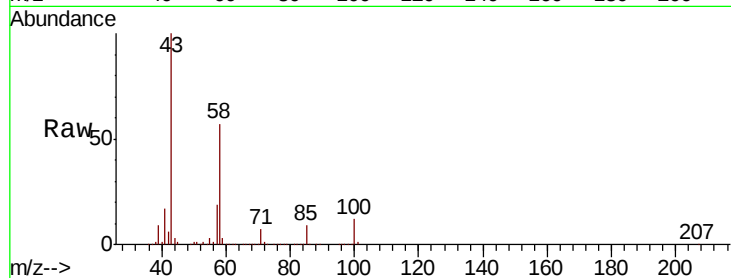
#59
2-Hexanone
Concen: 101.203 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	56.6	43.2	64.8	
57	19.5	14.9	22.3	

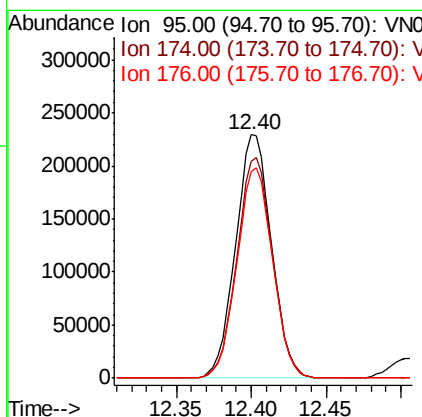
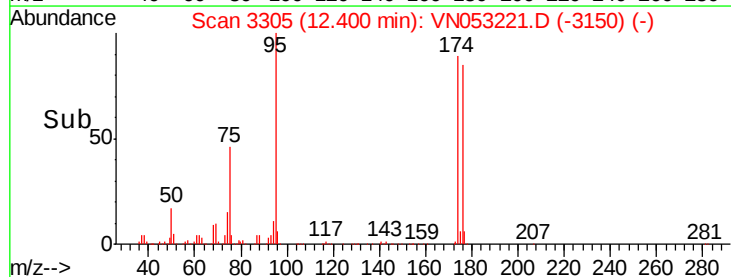
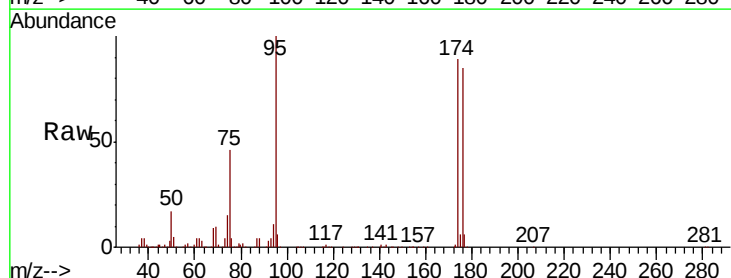
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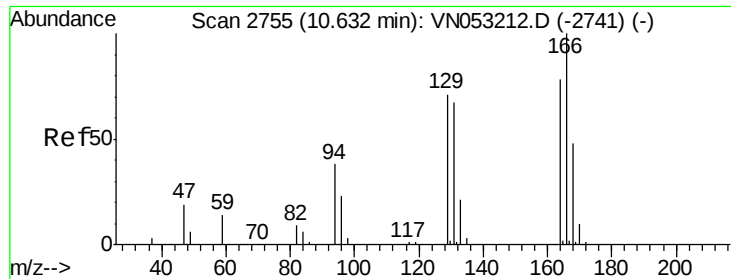
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#60
4-Bromofluorobenzene
Concen: 101.203 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
95	100			
174	90.2	67.9	101.9	
176	86.3	66.4	99.6	





#61

Tetrachloroethene

Concen: 19.608 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

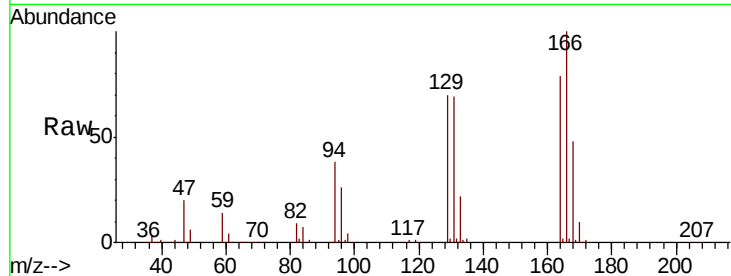
ClientSampleId :

VN1228WBSD01

Tot Ion	164	Resp	240519
Ion	Ratio	Lower	Upper
164	100		
166	127.2	104.6	157.0
129	88.7	75.3	112.9
131	88.2	74.3	111.5

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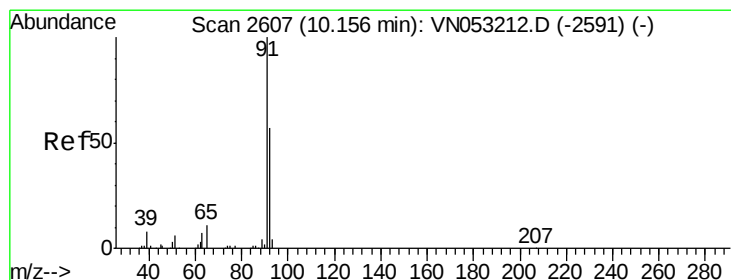
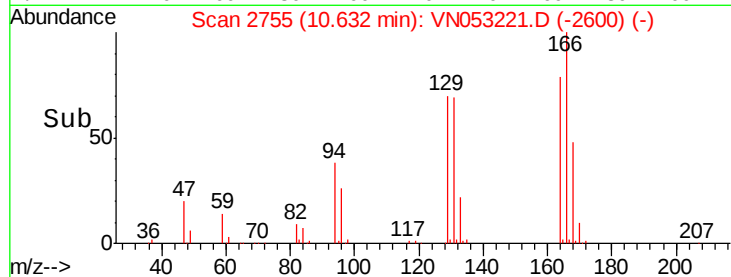
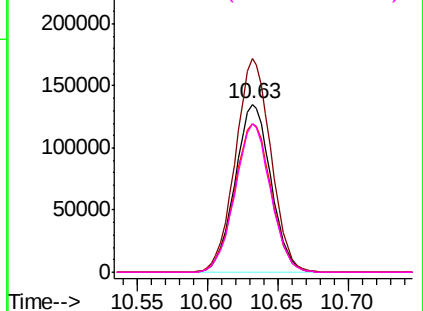
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.586 ug/l

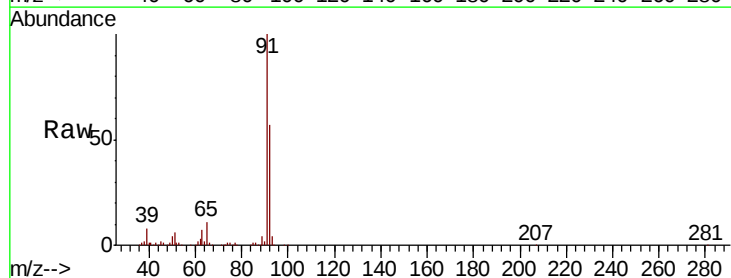
RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

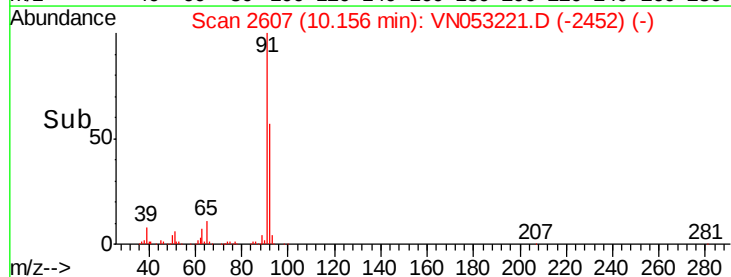
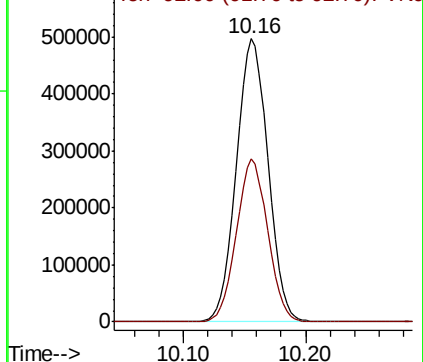
Tgt Ion	91	Resp	891619
Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.4	68.2

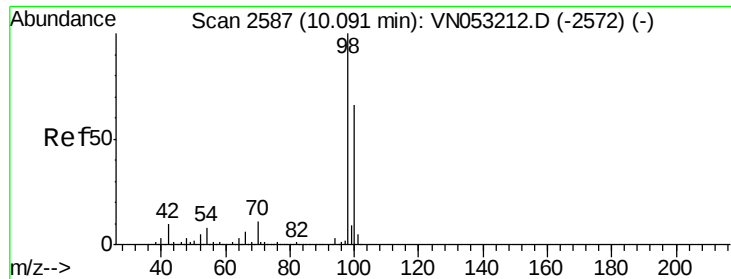


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.586 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBSD01

Tot Ion: 98 Resp: 1123199

Ion Ratio Lower Upper

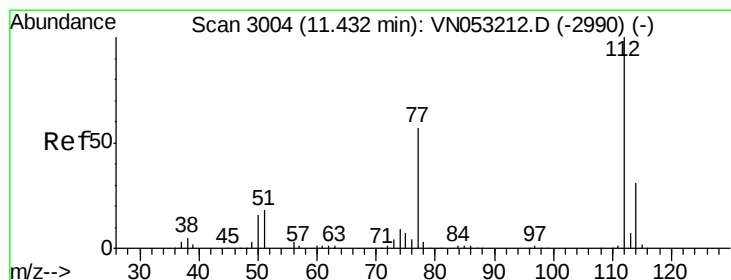
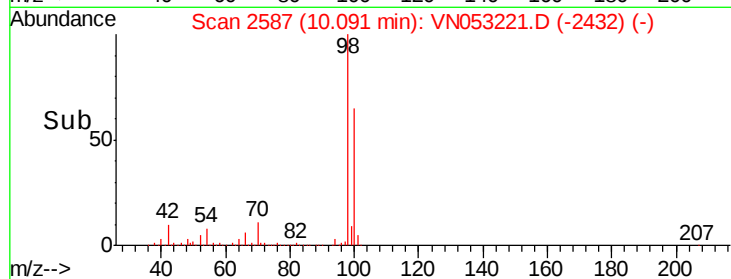
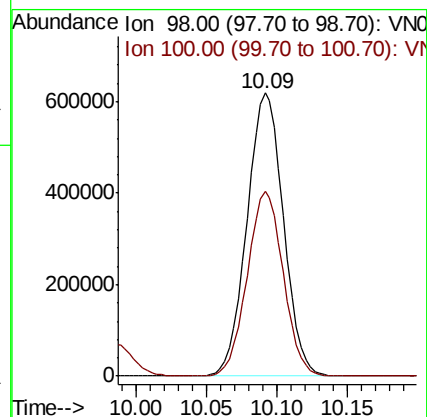
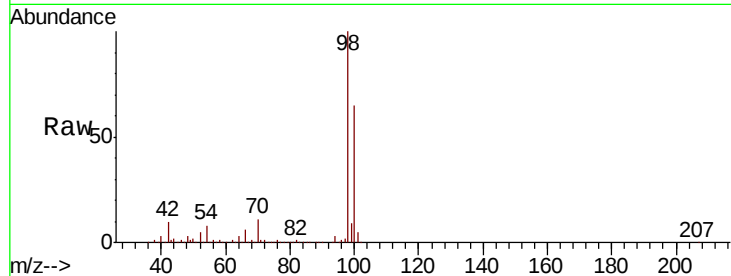
98 100

100 64.3 51.1 76.7

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#64

Chlorobenzene

Concen: 19.362 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053221.D

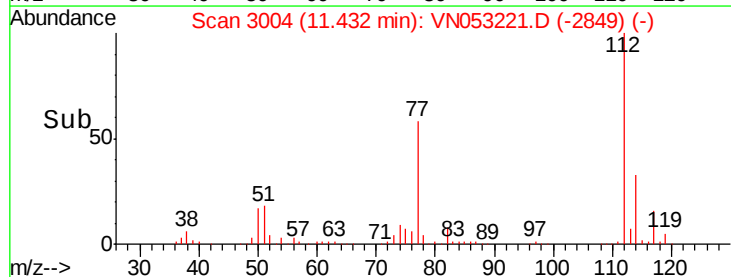
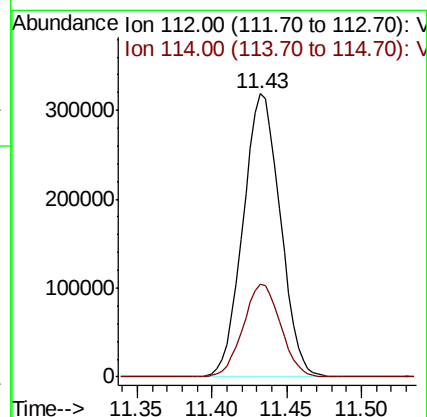
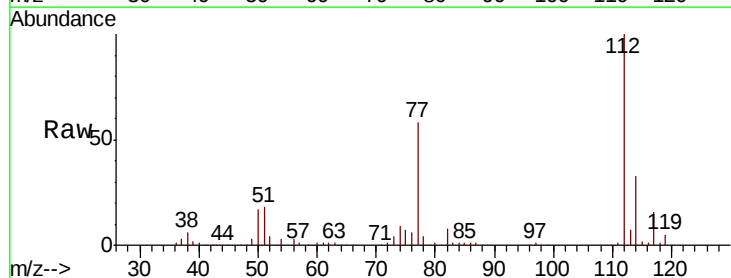
Acq: 28 Dec 2018 13:09

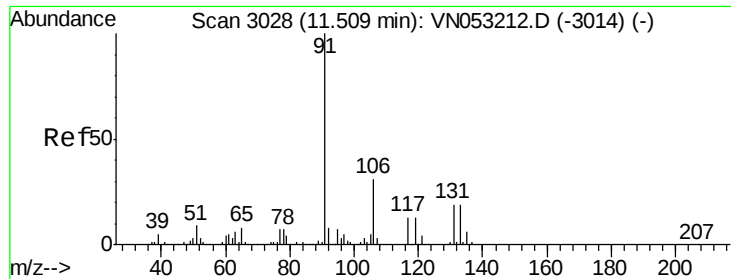
Tgt Ion: 112 Resp: 553107

Ion Ratio Lower Upper

112 100

114 32.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.549 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

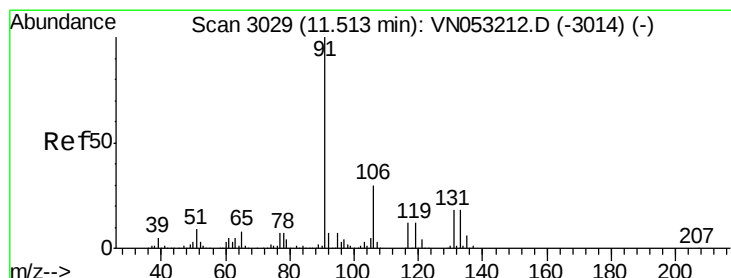
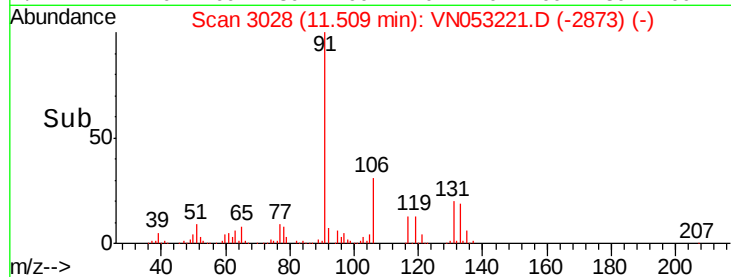
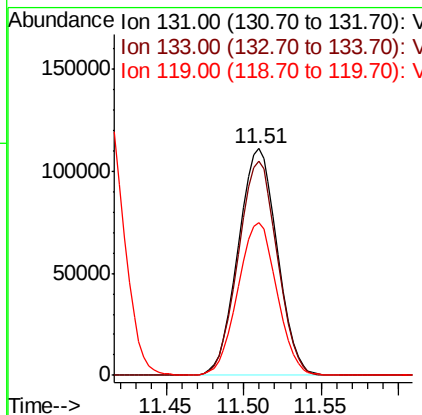
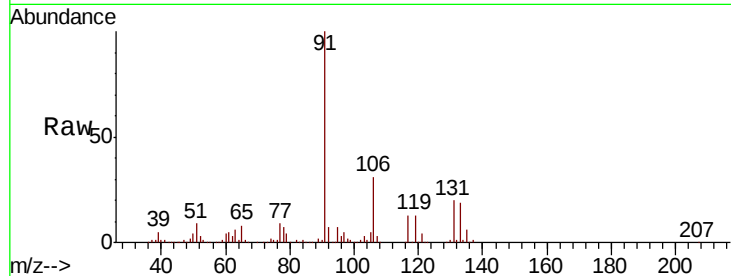
ClientSampleId :

VN1228WBSD01

Tot Ion:	131	Resp:	195897
Ion Ratio	Lower	Upper	
131	100		
133	94.3	0.0	193.4
119	67.4	0.0	133.0

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#66

Ethyl Benzene

Concen: 19.439 ug/l

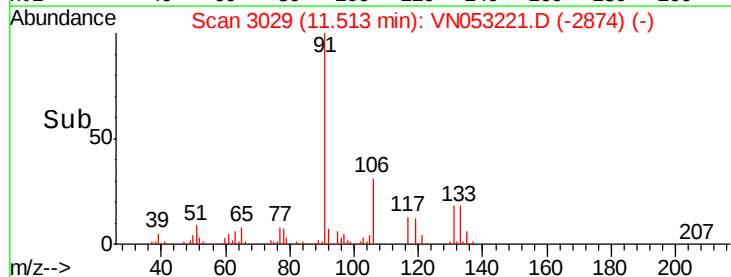
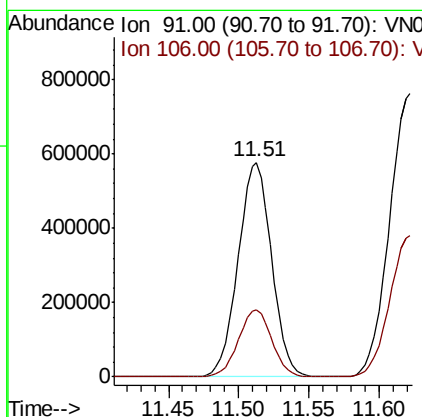
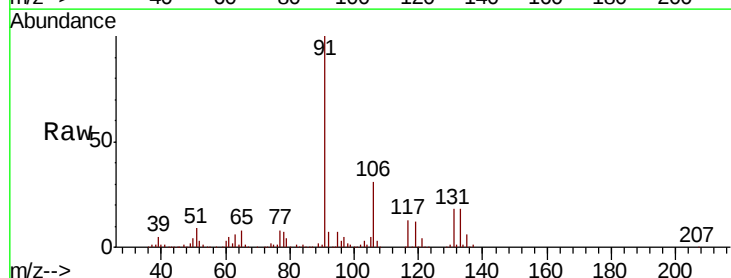
RT: 11.51 min Scan# 3029

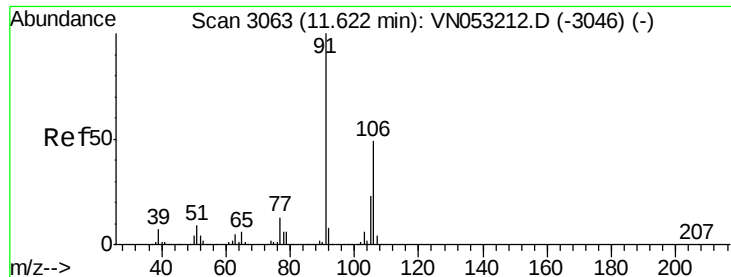
Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Tgt Ion:	91	Resp:	959621
Ion Ratio	Lower	Upper	
91	100		
106	31.3	24.3	36.5





#67

m/p-Xylenes

Concen: 39.208 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBSD01

Tot Ion:106 Resp: 732046

Ion Ratio Lower Upper

106 100

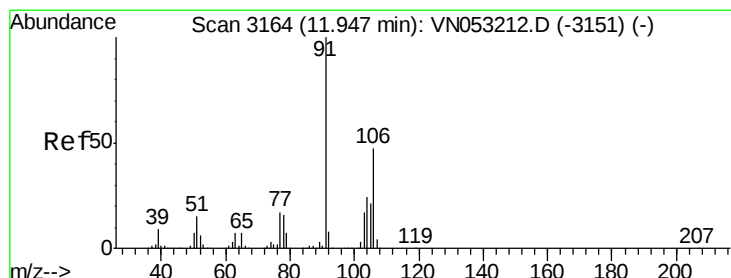
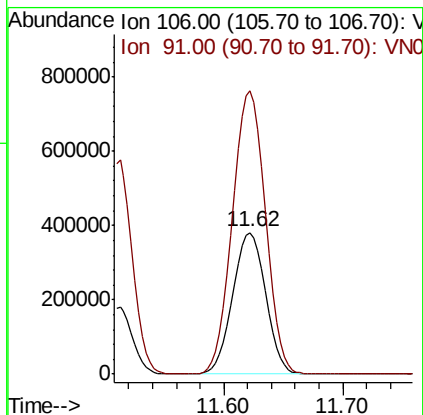
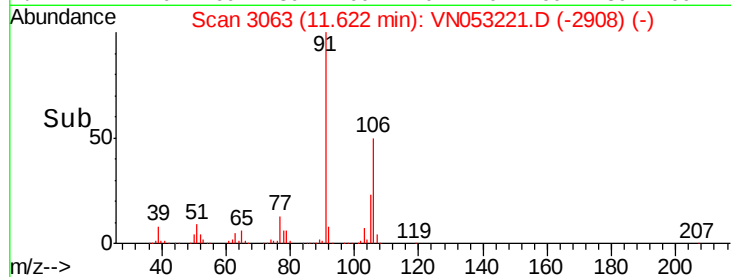
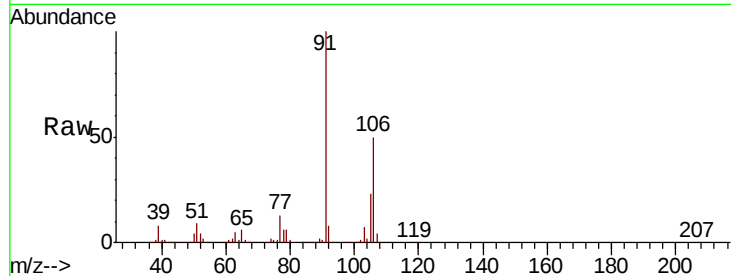
91 200.4 163.9 245.9

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#68

o-Xylene

Concen: 19.826 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053221.D

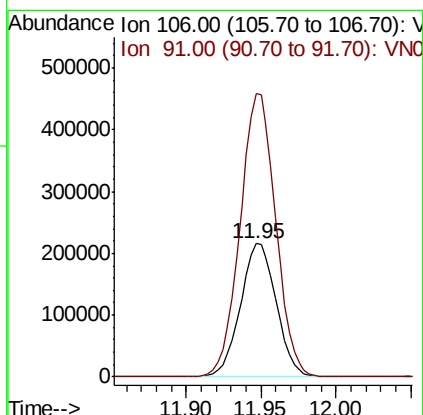
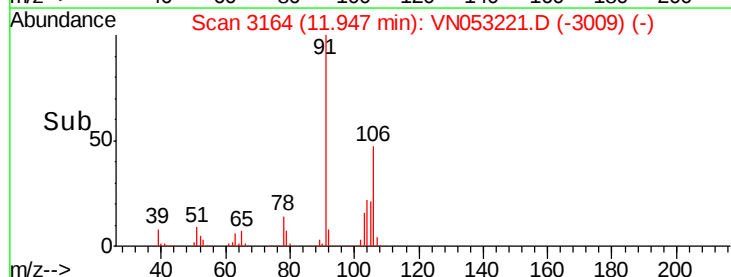
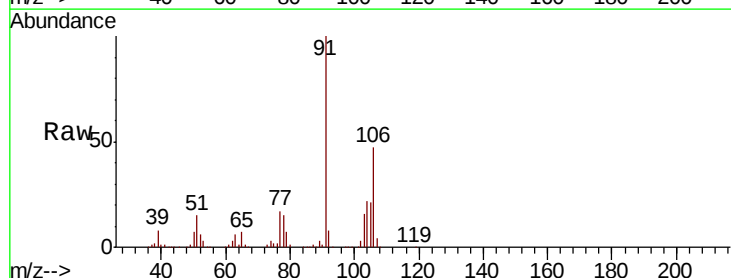
Acq: 28 Dec 2018 13:09

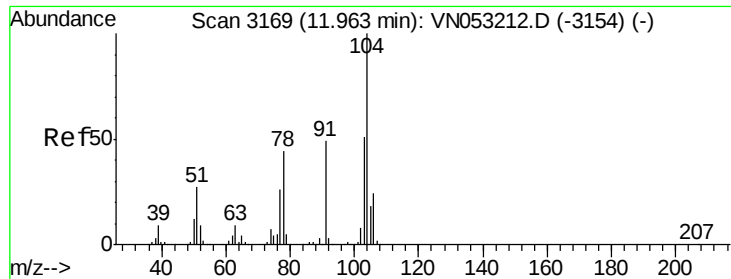
Tgt Ion:106 Resp: 358703

Ion Ratio Lower Upper

106 100

91 211.4 107.8 323.4





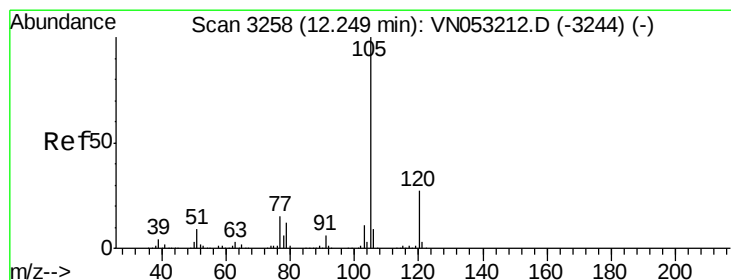
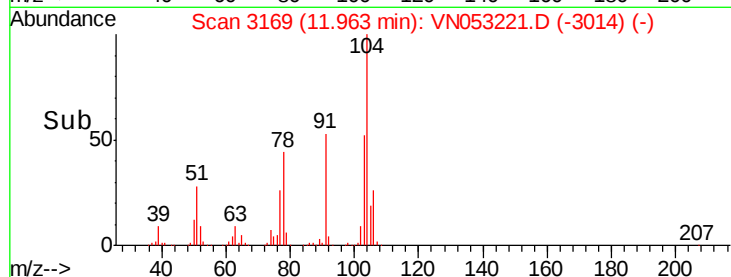
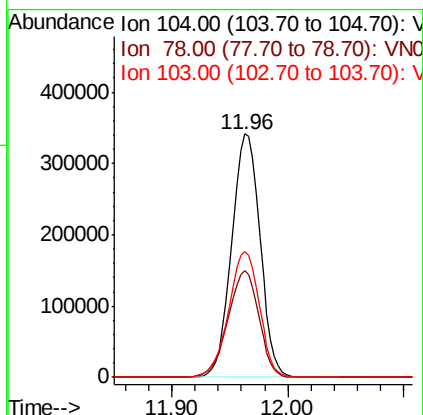
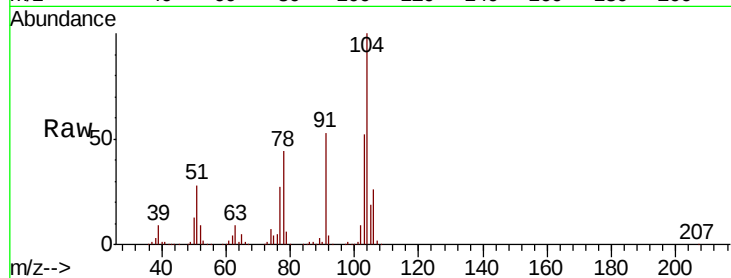
#69
Stvrene
Concen: 19.540 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.7	39.3	58.9
103	56.0	44.6	66.8

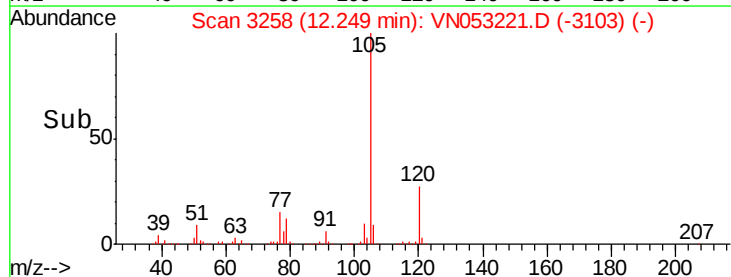
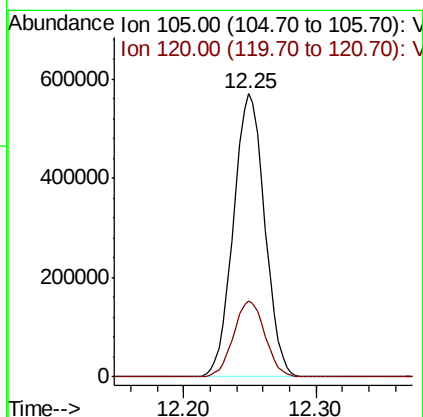
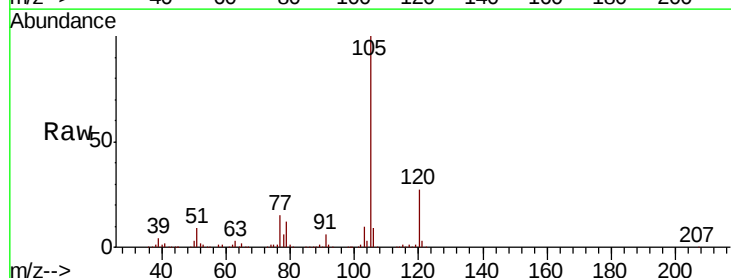
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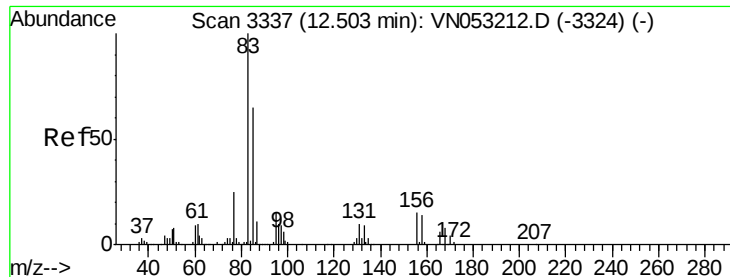
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#70
Isopropylbenzene
Concen: 19.625 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.6	34.6





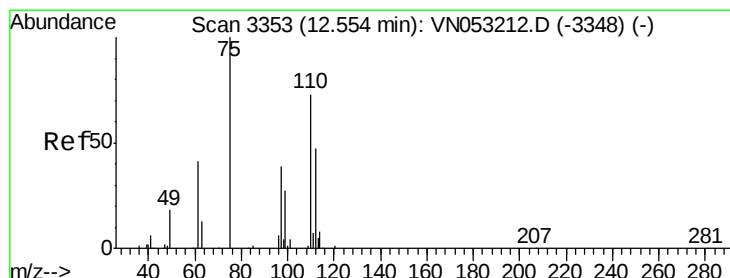
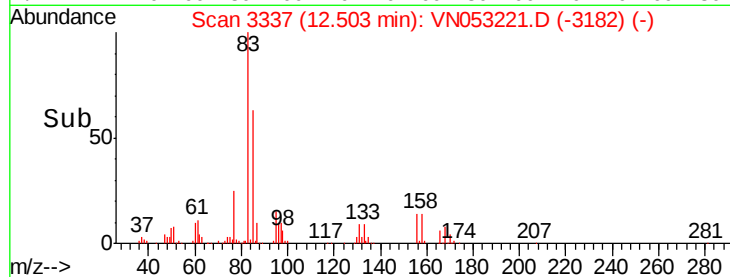
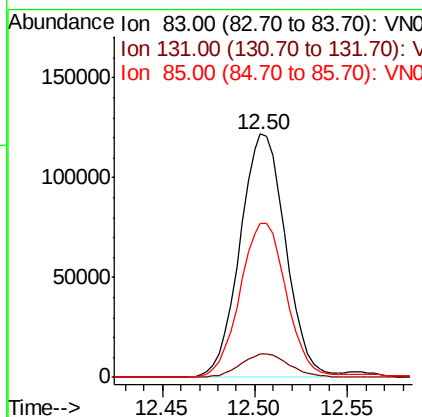
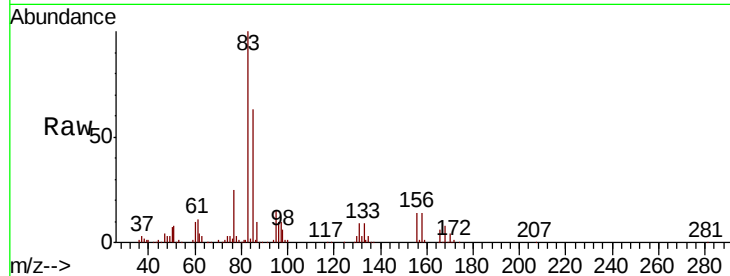
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.842 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	208849		
131	10.2		4.9	14.6
85	64.3		32.2	96.6

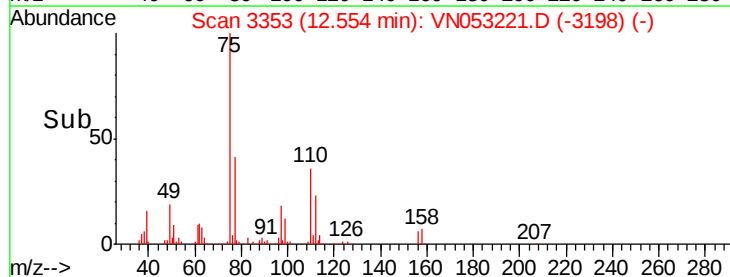
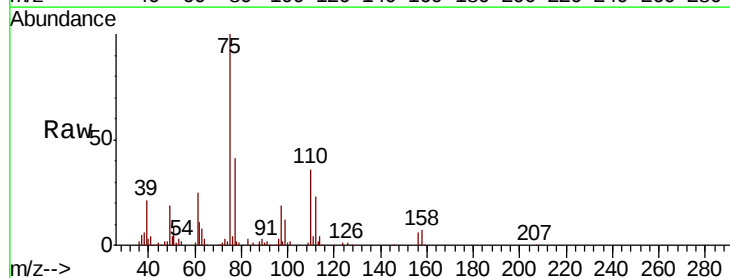
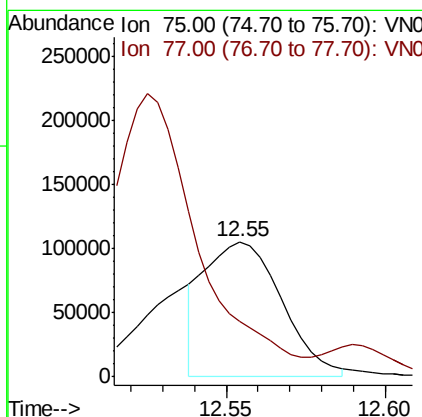
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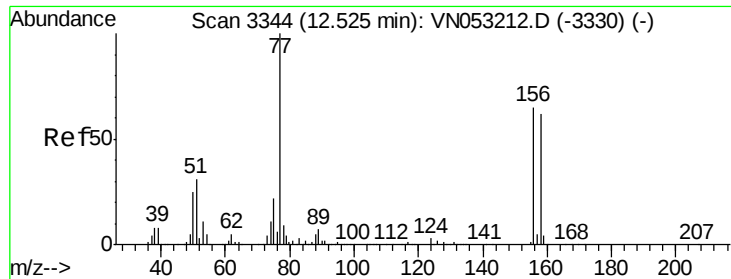
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#72
 1,2,3-Trichloropropane
 Concen: 20.301 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178146		
77	244.6		0.0	514.8





#73

Bromobenzene

Concen: 19.609 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

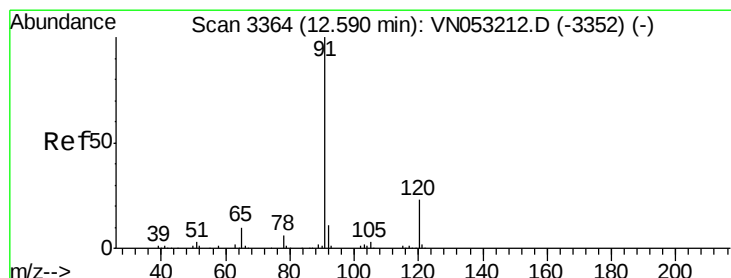
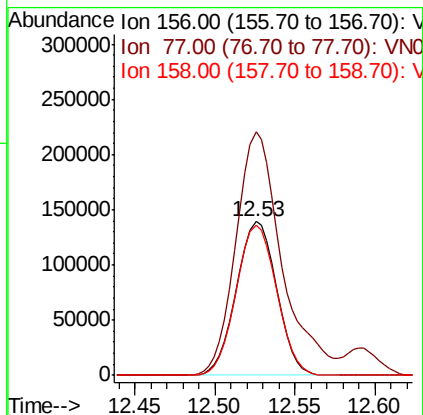
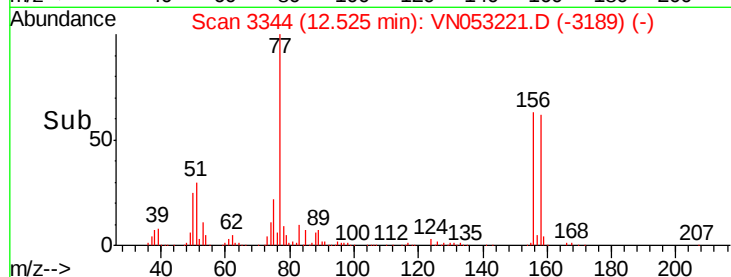
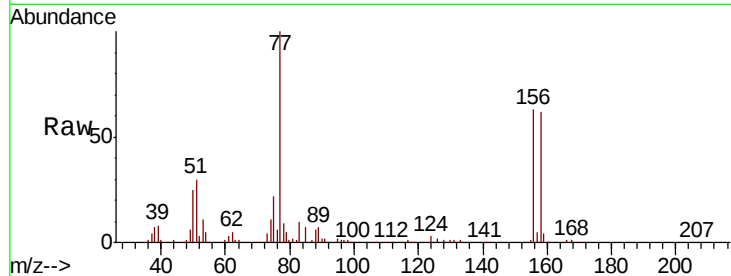
ClientSampleId :

VN1228WBSD01

Tot Ion:	156	Resp:	239945
Ion Ratio	Lower	Upper	
156	100		
77	181.6	0.0	382.6
158	97.7	0.0	196.8

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#74

n-propylbenzene

Concen: 19.361 ug/l

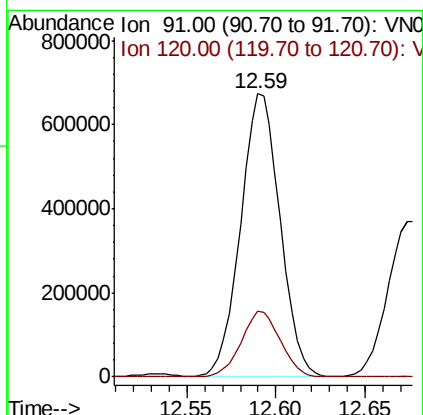
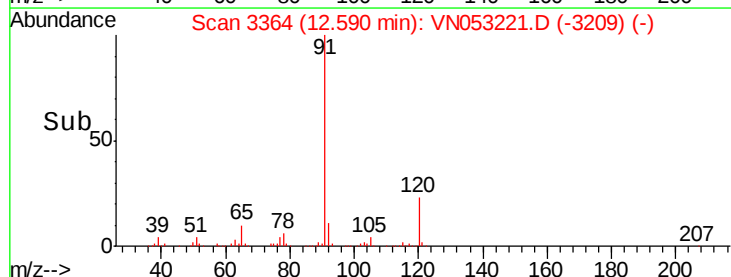
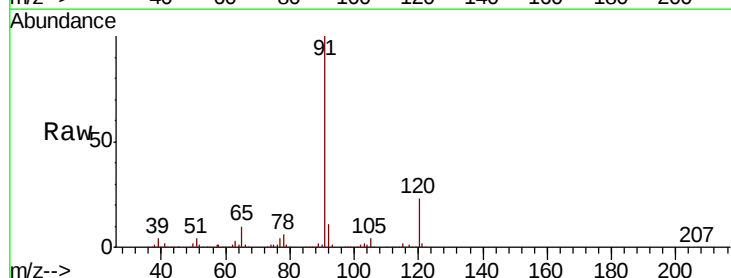
RT: 12.59 min Scan# 3364

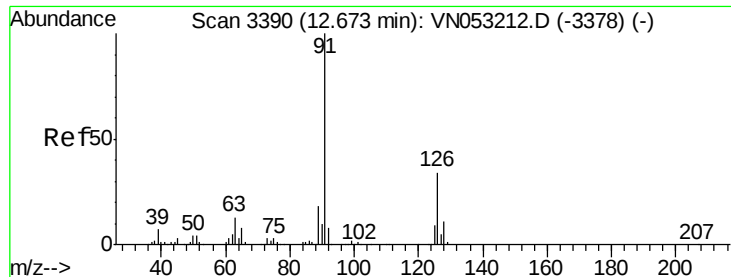
Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Tgt Ion:	91	Resp:	1043260
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.660 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBSD01

Tot Ion: 91 Resp: 627419

Ion Ratio Lower Upper

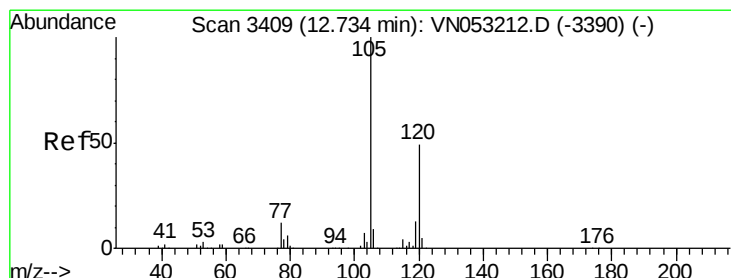
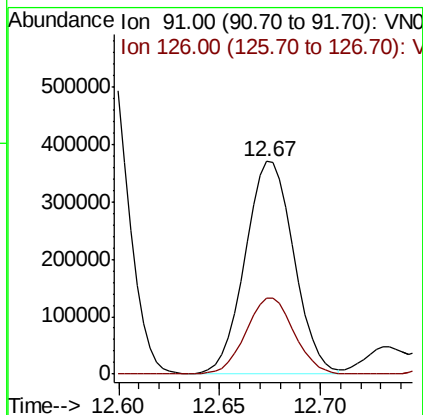
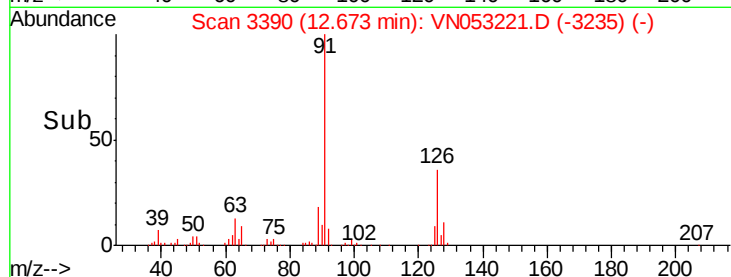
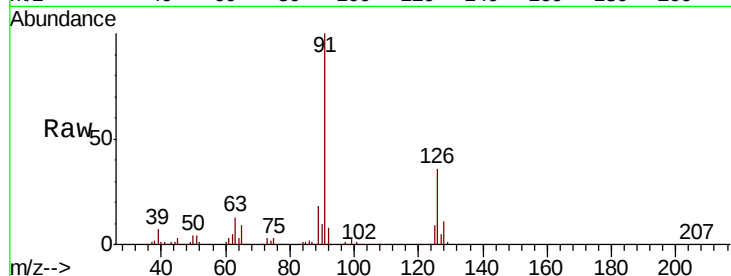
91 100

126 35.3 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 19.842 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053221.D

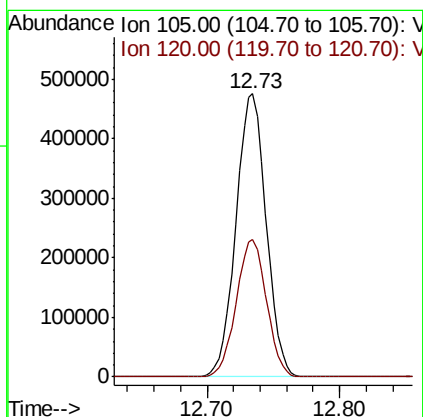
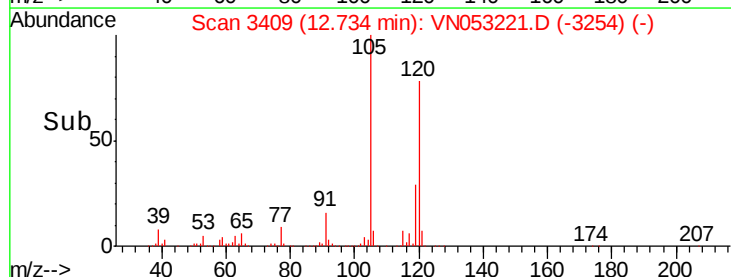
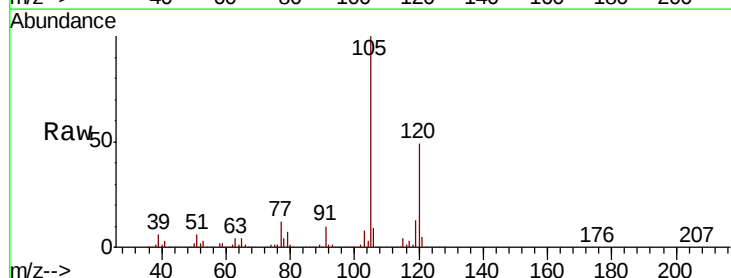
Acq: 28 Dec 2018 13:09

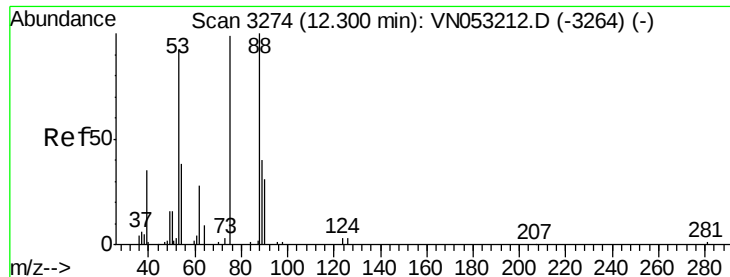
Tgt Ion: 105 Resp: 749257

Ion Ratio Lower Upper

105 100

120 48.7 0.0 97.4





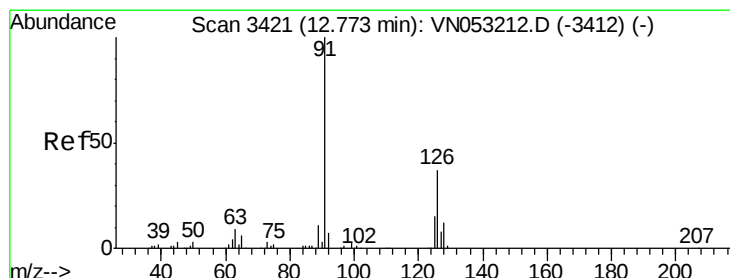
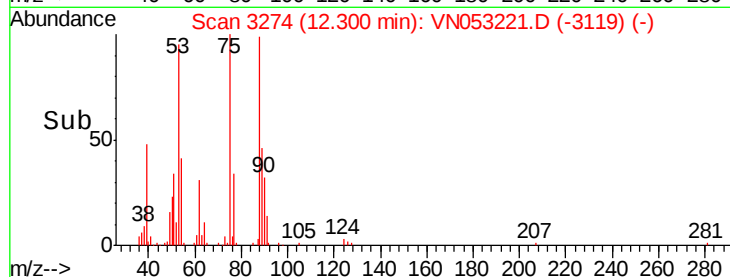
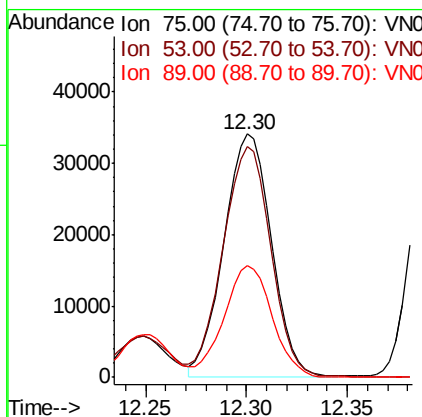
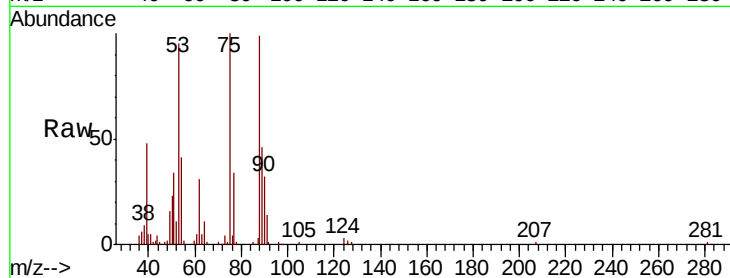
#77
t-1,4-Dichloro-2-butene
Concen: 18.309 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.1	48.5	145.6
89	46.0	21.7	65.1

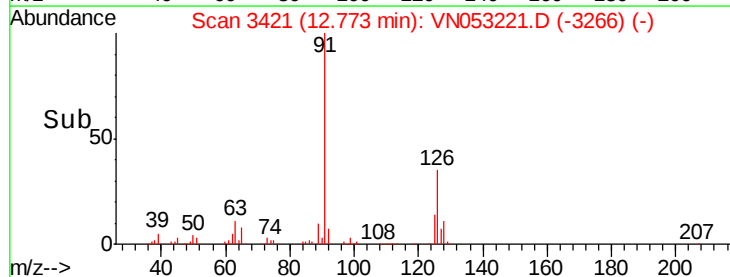
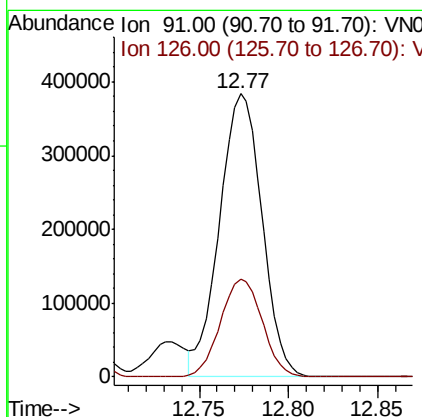
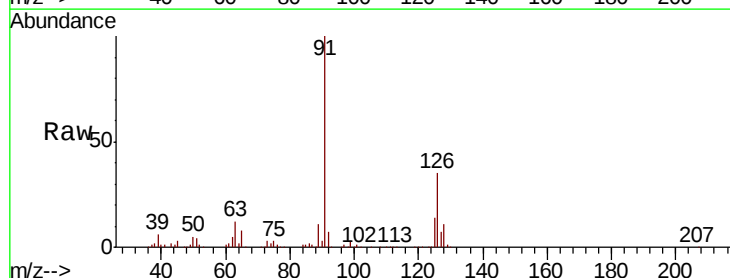
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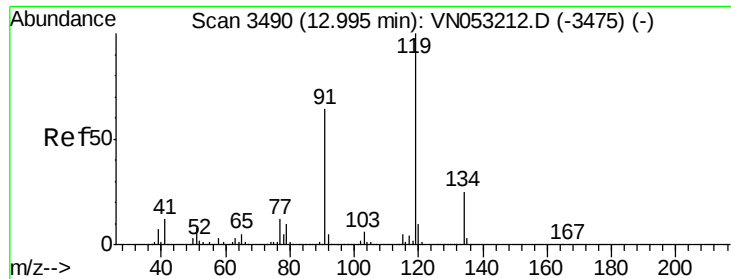
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#78
4-Chlorotoluene
Concen: 19.509 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	68.2





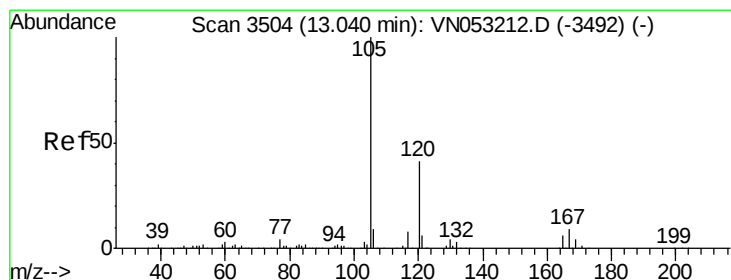
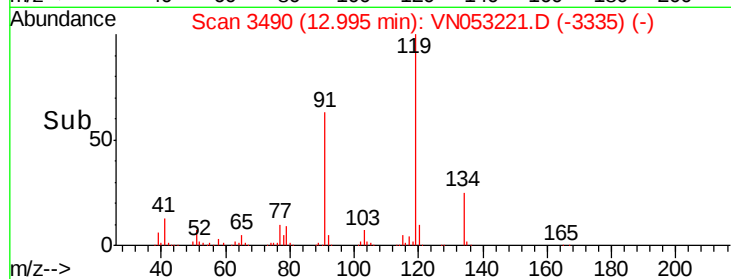
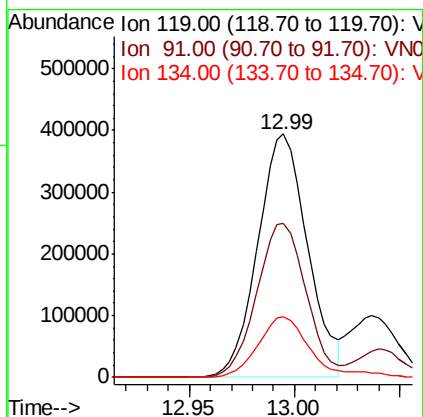
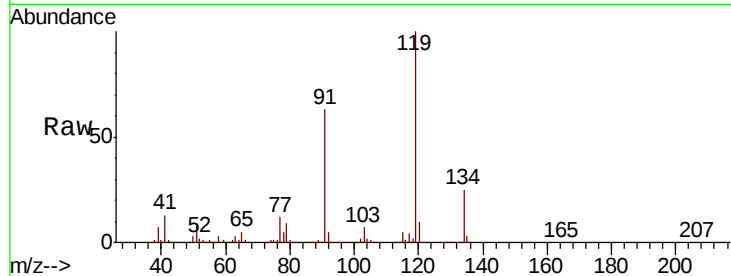
#79
tert-butylbenzene
Concen: 19.749 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	0.0	129.8
134	26.1	0.0	52.2

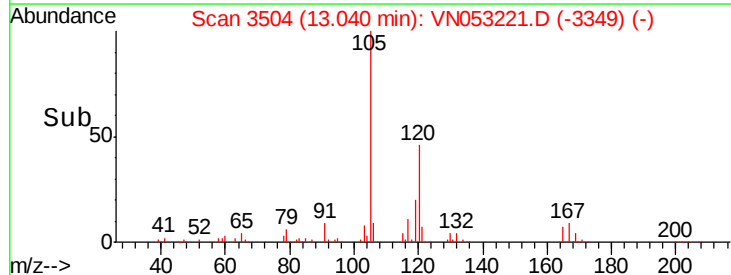
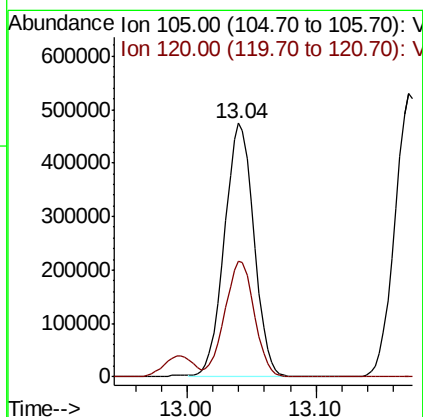
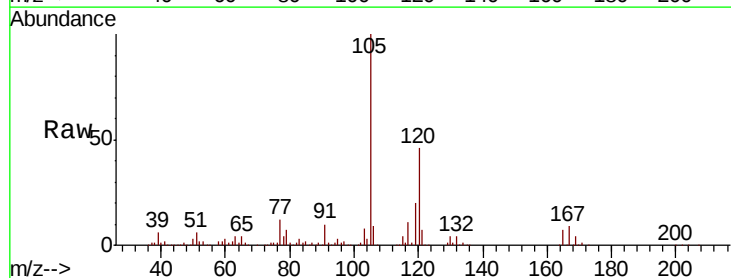
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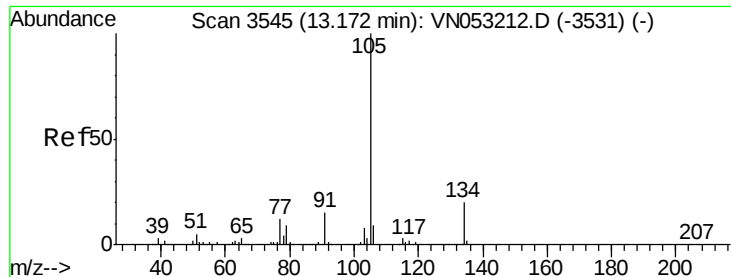
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#80
1,2,4-Trimethylbenzene
Concen: 19.833 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	0.0	91.0





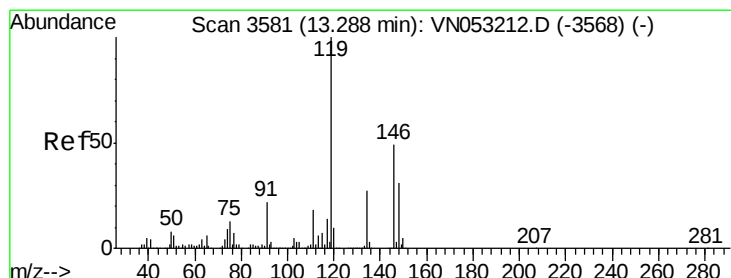
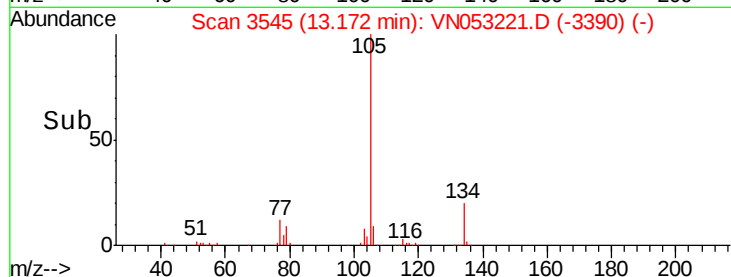
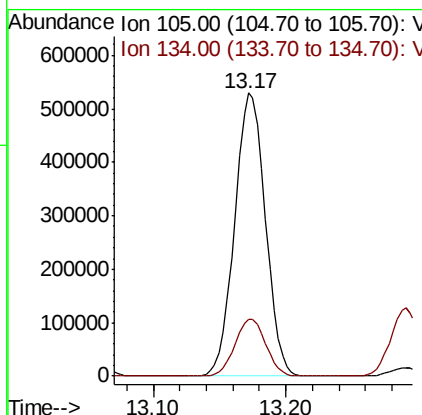
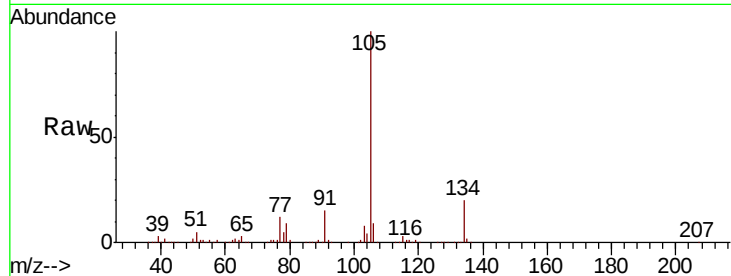
#81
sec-Butylbenzene
Concen: 19.498 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	40.4

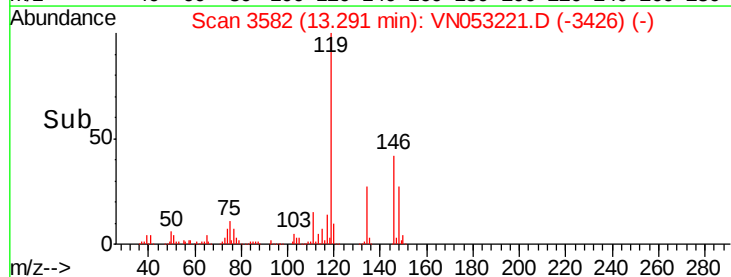
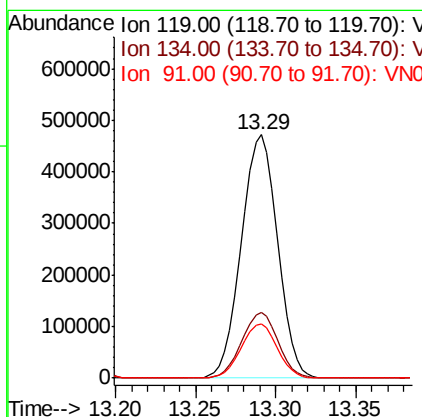
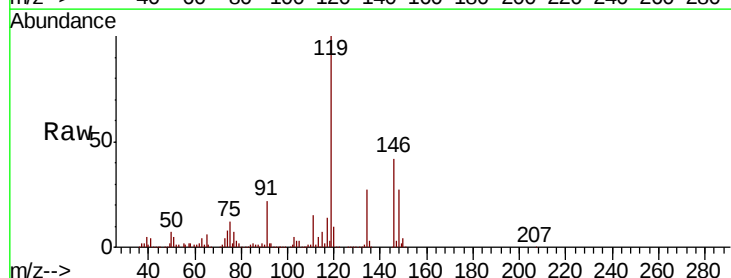
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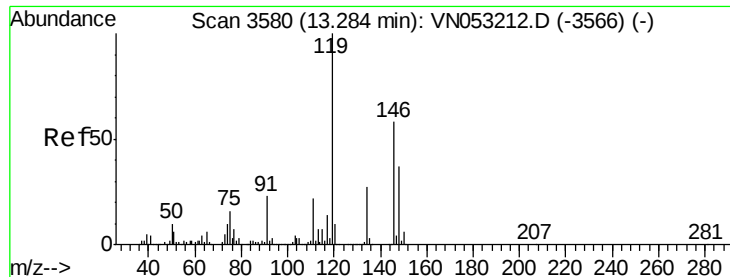
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#82
p-Isopropyltoluene
Concen: 19.333 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	52.6
91	22.3	0.0	46.2





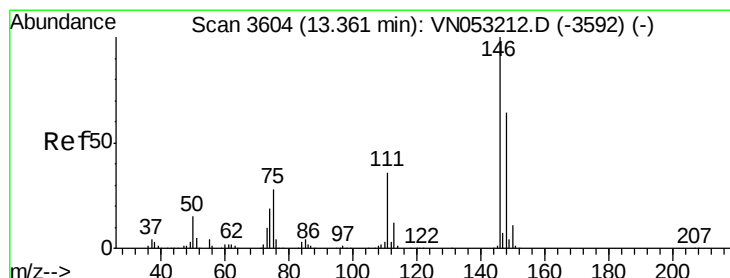
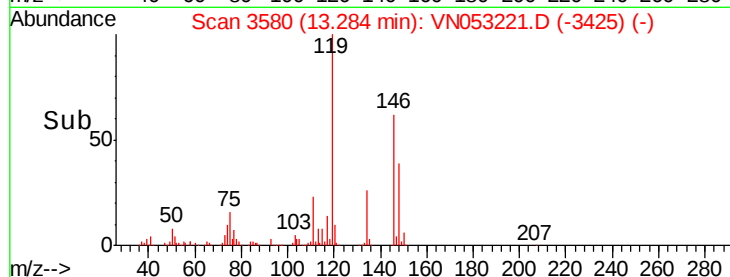
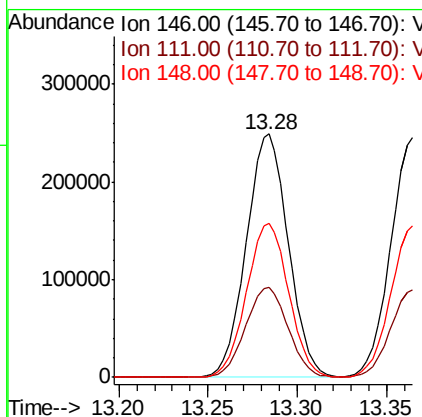
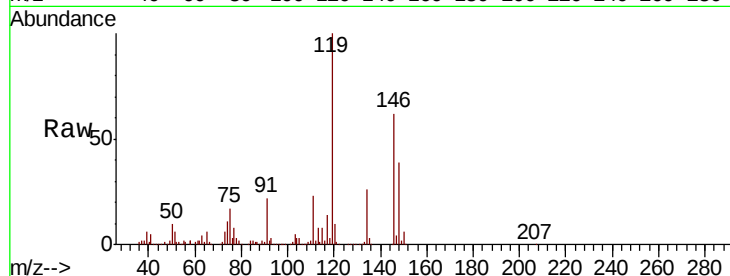
#83
 1,3-Dichlorobenzene
 Concen: 19.694 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.7	59.0
148	63.5	32.3	96.8

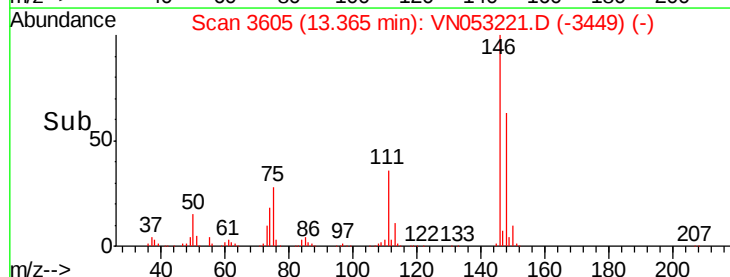
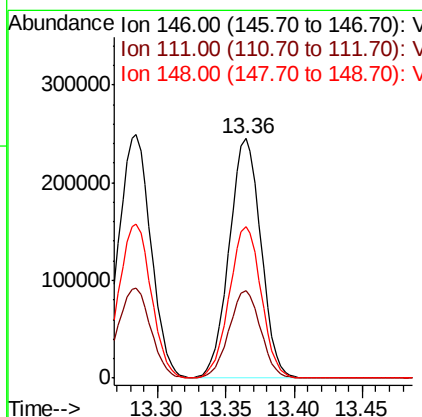
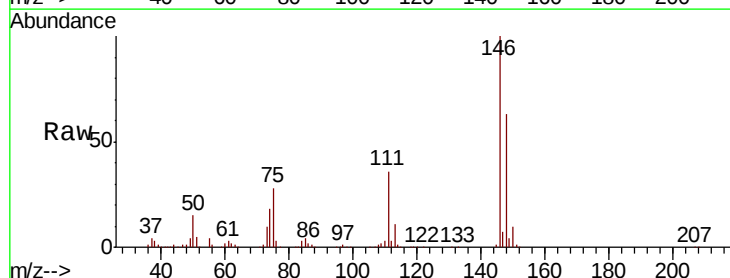
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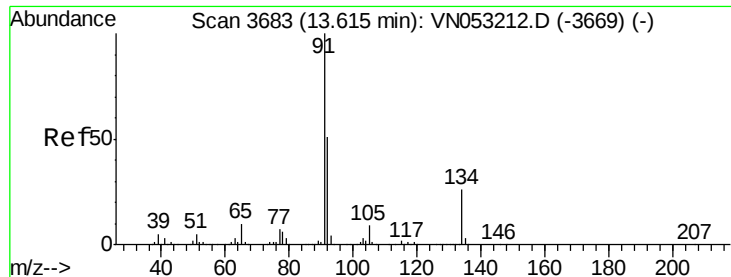
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#84
 1,4-Dichlorobenzene
 Concen: 19.495 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.3
148	63.7	32.5	97.4





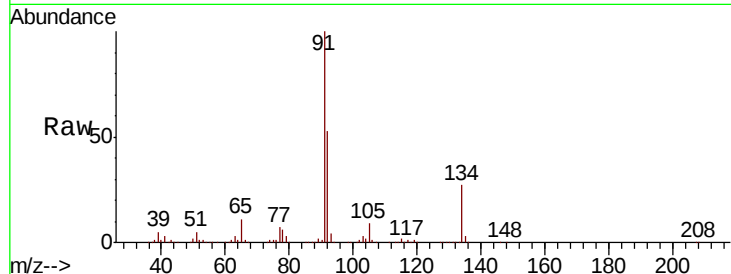
#85
n-Butylbenzene
Concen: 18.706 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	0.0	104.2
134	26.6	0.0	50.6

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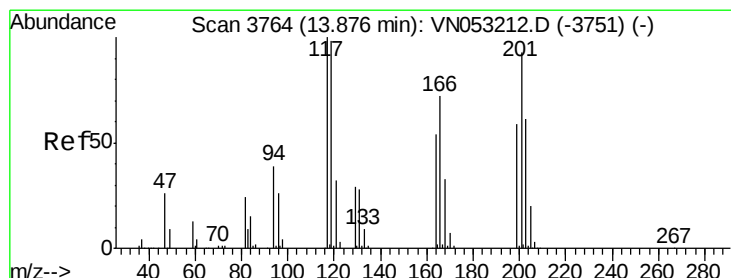
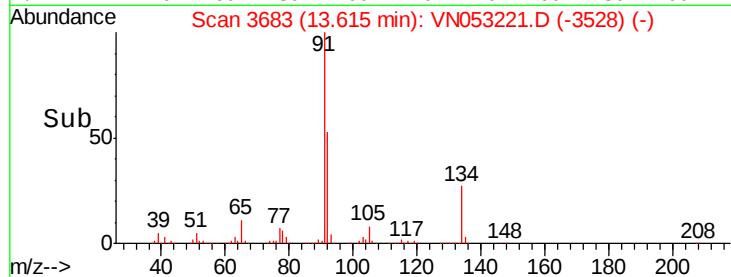
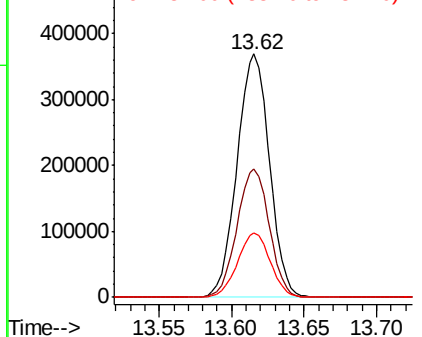


Abundance

Ion 91.00 (90.70 to 91.70): VN053221.D (-3669) (-)

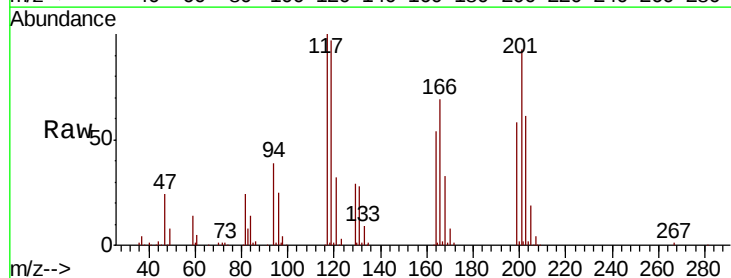
Ion 92.00 (91.70 to 92.70): VN053221.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN053221.D (-3669) (-)



#86
Hexachloroethane
Concen: 18.457 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053221.D
Acq: 28 Dec 2018 13:09

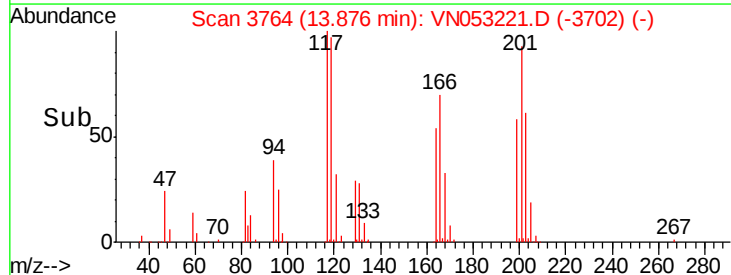
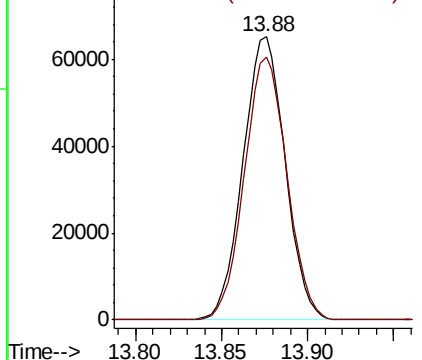
Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.5	43.8	131.3

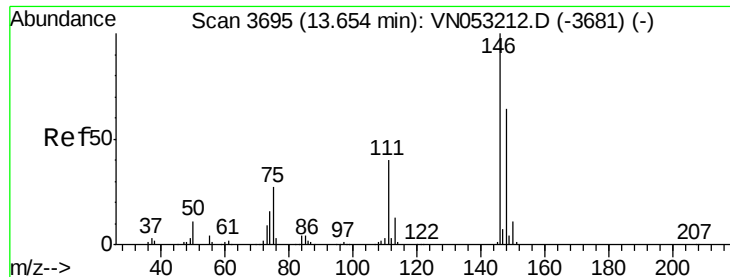


Abundance

Ion 117.00 (116.70 to 117.70): VN053221.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN053221.D (-3751) (-)





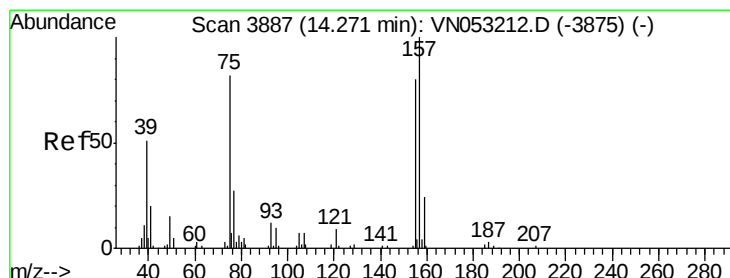
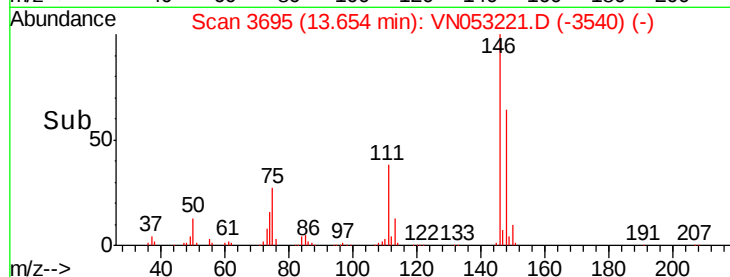
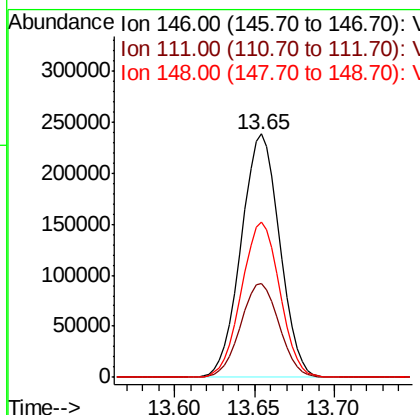
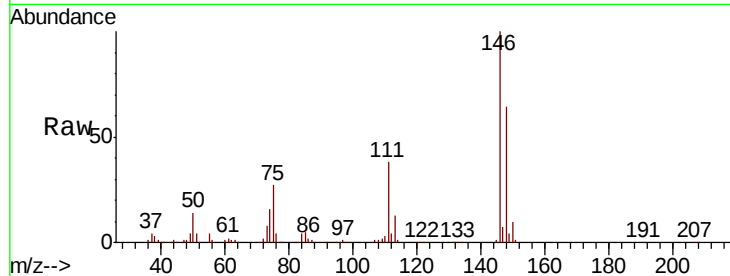
#87
 1,2-Dichlorobenzene
 Concen: 20.268 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.3	60.8
148	63.6	32.1	96.5

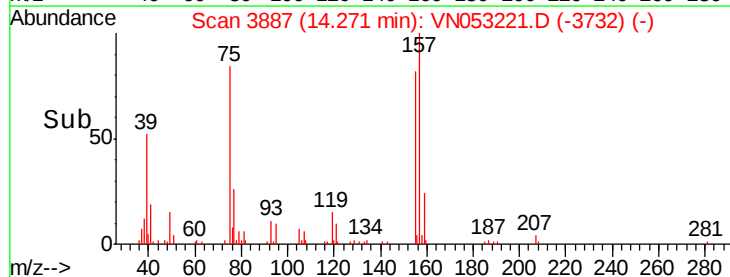
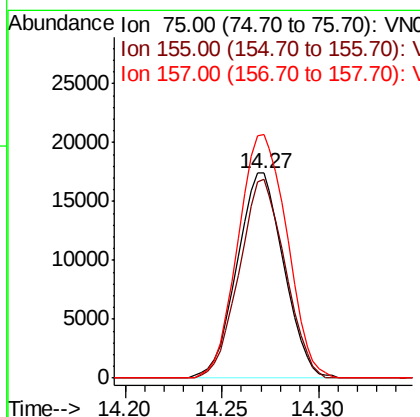
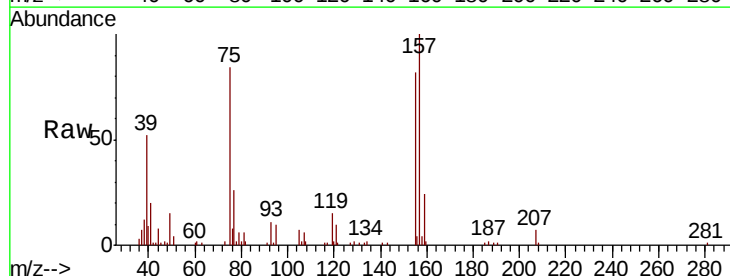
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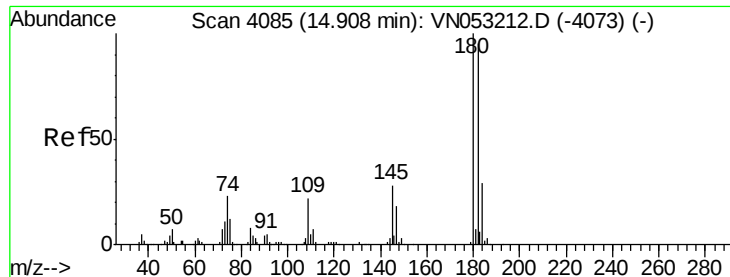
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.421 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.1	72.2	108.2
157	124.4	94.2	141.2





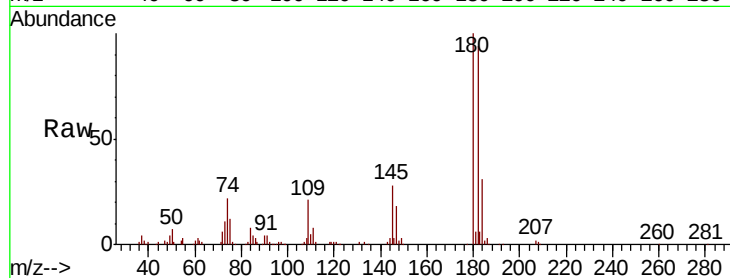
#89
 1,2,4-Trichlorobenzene
 Concen: 18.750 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
145	27.5	23.6	35.4

Manual Integrations
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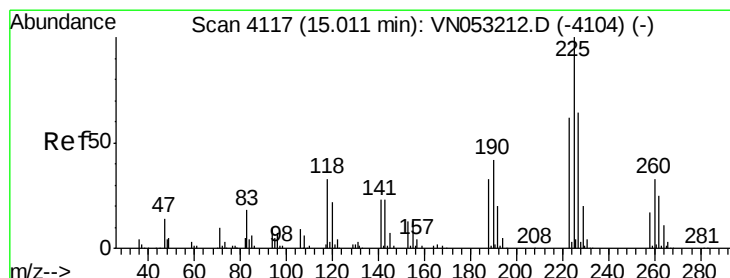
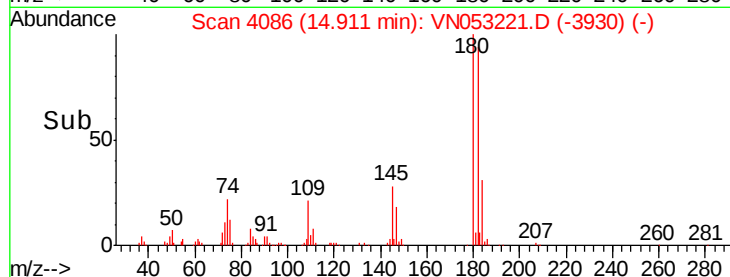
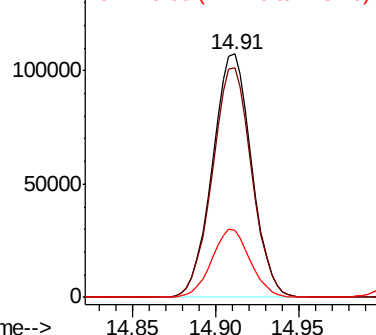


Abundance

Ion 180.00 (179.70 to 180.70): V

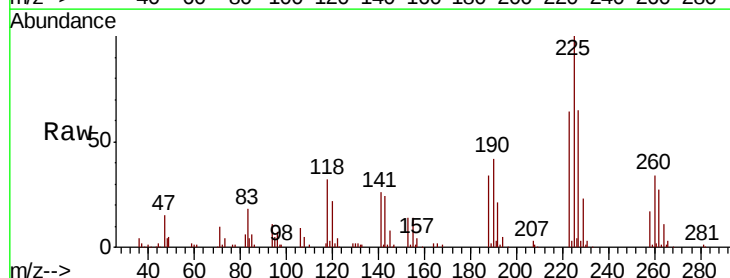
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 20.046 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053221.D
 Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	125.6
227	64.0	0.0	127.8

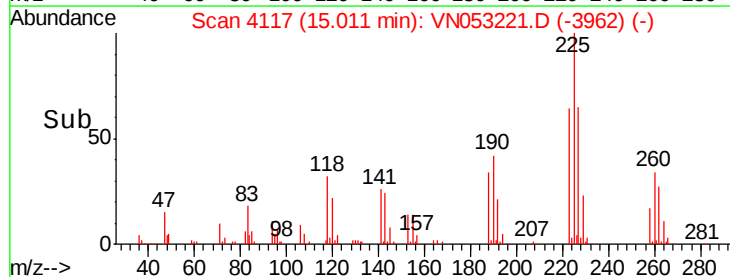
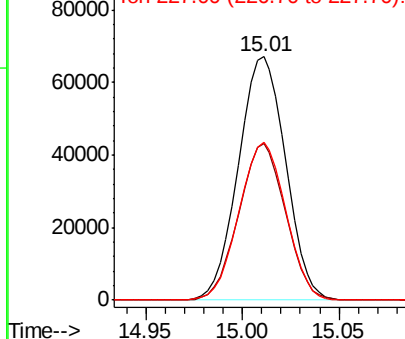


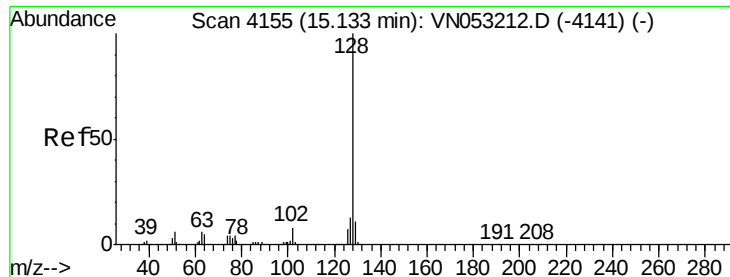
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 18.745 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Instrument :

MSVOA_N

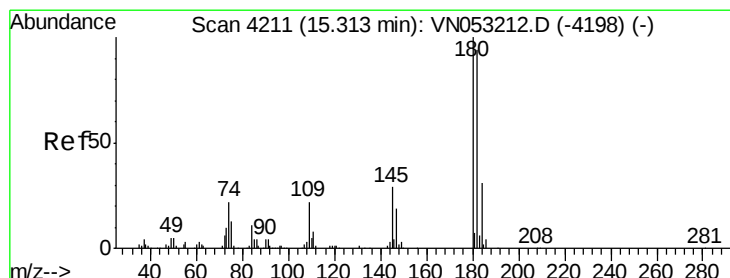
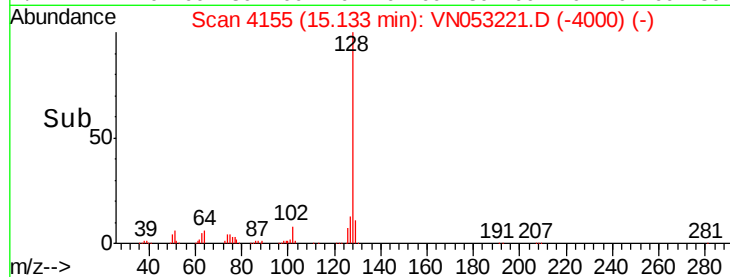
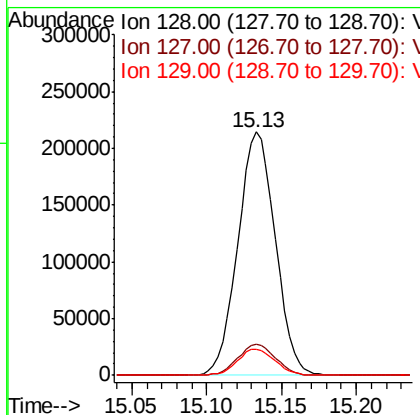
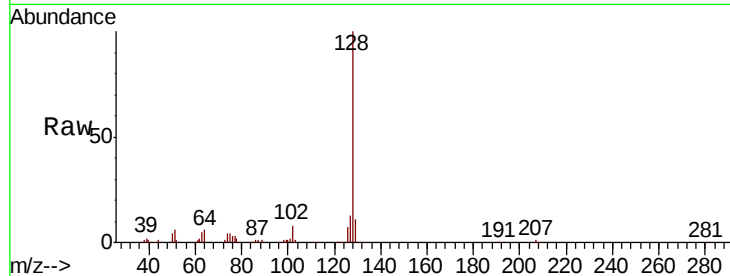
ClientSampleId :

VN1228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	373691		
127	12.8	9.9	14.9	
129	10.8	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
1/2/2019 9:48:53 AM



#92

1,2,3-Trichlorobenzene

Concen: 18.945 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053221.D

Acq: 28 Dec 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	158816		
182	94.5	0.0	196.2	
145	30.2	0.0	62.2	

