

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053459.D
 Acq On : 18 Jan 2019 8:50
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:46:24 AM

Quant Time: Jan 18 10:00:31 2019
 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	121876	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	682161	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	622885	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	230057	29.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.03%
60) 4-Bromofluorobenzene	12.40	95	297788	31.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.13%
63) Toluene-d8	10.09	98	839475	29.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	129819	15.987	ug/l 99
3) Chloromethane	2.06	50	168833	17.715	ug/l 98
4) Vinyl Chloride	2.19	62	167624	17.873	ug/l 95
5) Bromomethane	2.58	94	112283	18.569	ug/l 100
6) Chloroethane	2.71	64	99657	18.447	ug/l 96
7) Trichlorofluoromethane	3.03	101	229503	19.815	ug/l 98
8) Diethyl Ether	3.41	74	82946	19.276	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	149252	20.510	ug/l 95
10) 1,1-Dichloroethene	3.74	96	137878	19.416	ug/l 96
11) Methyl Iodide	3.96	142	207447	19.947	ug/l 99
12) Methyl Acetate	4.33	43	114936	20.765	ug/l 96
13) Acrolein	3.61	56	55257	83.617	ug/l 99
14) Acrylonitrile	4.99	53	245505	99.147	ug/l 98
15) Acetone	3.82	58	77982	148.183	ug/l 93
16) Carbon Disulfide	4.06	76	398954	18.262	ug/l 100
17) Allyl chloride	4.33	41	196638	17.602	ug/l 96
18) Methylene Chloride	4.55	84	158528	19.505	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	145315	19.363	ug/l 93
20) Diisopropyl ether	5.95	45	461230	19.278	ug/l 98
21) 1,1-Dichloroethane	5.85	63	272982	19.597	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	167074	19.763	ug/l 97
23) tert-Butyl Alcohol	4.77	59	43252	103.617	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	356421	19.247	ug/l 97
25) Chloroform	7.37	83	271154	20.251	ug/l 96
26) Cyclohexane	7.65	56	246408	18.965	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	210586	20.380	ug/l 99
30) 2-Butanone	6.83	43	308837	119.800	ug/l 98
31) 2,2-Dichloropropane	6.82	77	202311	20.224	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	225896	20.865	ug/l 97
33) Carbon Tetrachloride	7.77	117	200078	21.113	ug/l 99
34) Benzene	8.04	78	628971	20.254	ug/l 97
35) Methacrylonitrile	7.17	41	71289	21.430	ug/l 95
36) 1,2-Dichloroethane	8.12	62	189418	21.011	ug/l 99
37) Trichloroethene	8.84	130	178301	21.195	ug/l 92
38) Methylcyclohexane	9.08	83	257579	21.312	ug/l 97
39) 1,2-Dichloropropane	9.12	63	167435	20.648	ug/l 98
40) Dibromomethane	9.21	93	98240	21.422	ug/l 95

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Quant Time: Jan 18 10:00:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	201288	20.439	ug/l	99
42) Vinyl Acetate	5.90	43	1426732	101.443	ug/l	97
43) Ethyl Acetate	6.93	43	120051	20.853	ug/l #	66
44) Isopropyl Acetate	8.16	43	216785	20.214	ug/l #	77
45) 1,4-Dioxane	9.20	88	27175	414.382	ug/l	95
46) Methyl methacrylate	9.20	41	108183	19.968	ug/l	95
47) n-amyl Acetate	12.07	43	192459	20.435	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	203822	20.277	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	240326	20.305	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	139620	21.234	ug/l	99
51) Ethyl methacrylate	10.43	69	173428	20.237	ug/l	91
52) 1,3-Dichloropropane	10.71	76	236937	20.918	ug/l	100
53) Dibromochloromethane	10.90	129	156426	21.182	ug/l	98
54) 1,2-Dibromoethane	11.01	107	135992	20.502	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	459497	93.431	ug/l	98
56) Bromoform	12.13	173	108279	21.433	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	616922	103.939	ug/l	97
59) 2-Hexanone	10.75	43	465801	113.676	ug/l	97
61) Tetrachloroethene	10.63	164	206435	22.427	ug/l	93
62) Toluene	10.16	91	690608	20.216	ug/l	100
64) Chlorobenzene	11.43	112	440191	20.534	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	155897	20.732	ug/l	99
66) Ethyl Benzene	11.51	91	746023	20.138	ug/l	99
67) m/p-Xylenes	11.62	106	587916	41.962	ug/l	97
68) o-Xylene	11.95	106	281099	20.704	ug/l	97
69) Styrene	11.96	104	465579	21.009	ug/l	99
70) Isopropylbenzene	12.25	105	753502	21.094	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	155615	20.695	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	146105m	22.188	ug/l	
73) Bromobenzene	12.53	156	197317	21.489	ug/l	92
74) n-propylbenzene	12.59	91	887678	21.952	ug/l	98
75) 2-Chlorotoluene	12.68	91	515551	21.528	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	634038	22.376	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	46469	20.084	ug/l	95
78) 4-Chlorotoluene	12.77	91	535003	21.946	ug/l	98
79) tert-butylbenzene	12.99	119	547446	22.152	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	633106	22.292	ug/l	99
81) sec-Butylbenzene	13.17	105	770102	23.533	ug/l	100
82) p-Isopropyltoluene	13.29	119	675291	23.881	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	358995	22.962	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	348708	22.881	ug/l	98
85) n-Butylbenzene	13.62	91	568707	24.731	ug/l	99
86) Hexachloroethane	13.88	117	103598	22.946	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	337164	23.209	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22415	20.844	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	146337	20.754	ug/l	99
90) Hexachlorobutadiene	15.01	225	121804	28.539	ug/l	98
91) Naphthalene	15.13	128	228486	15.273	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	108692	17.278	ug/l	97

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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

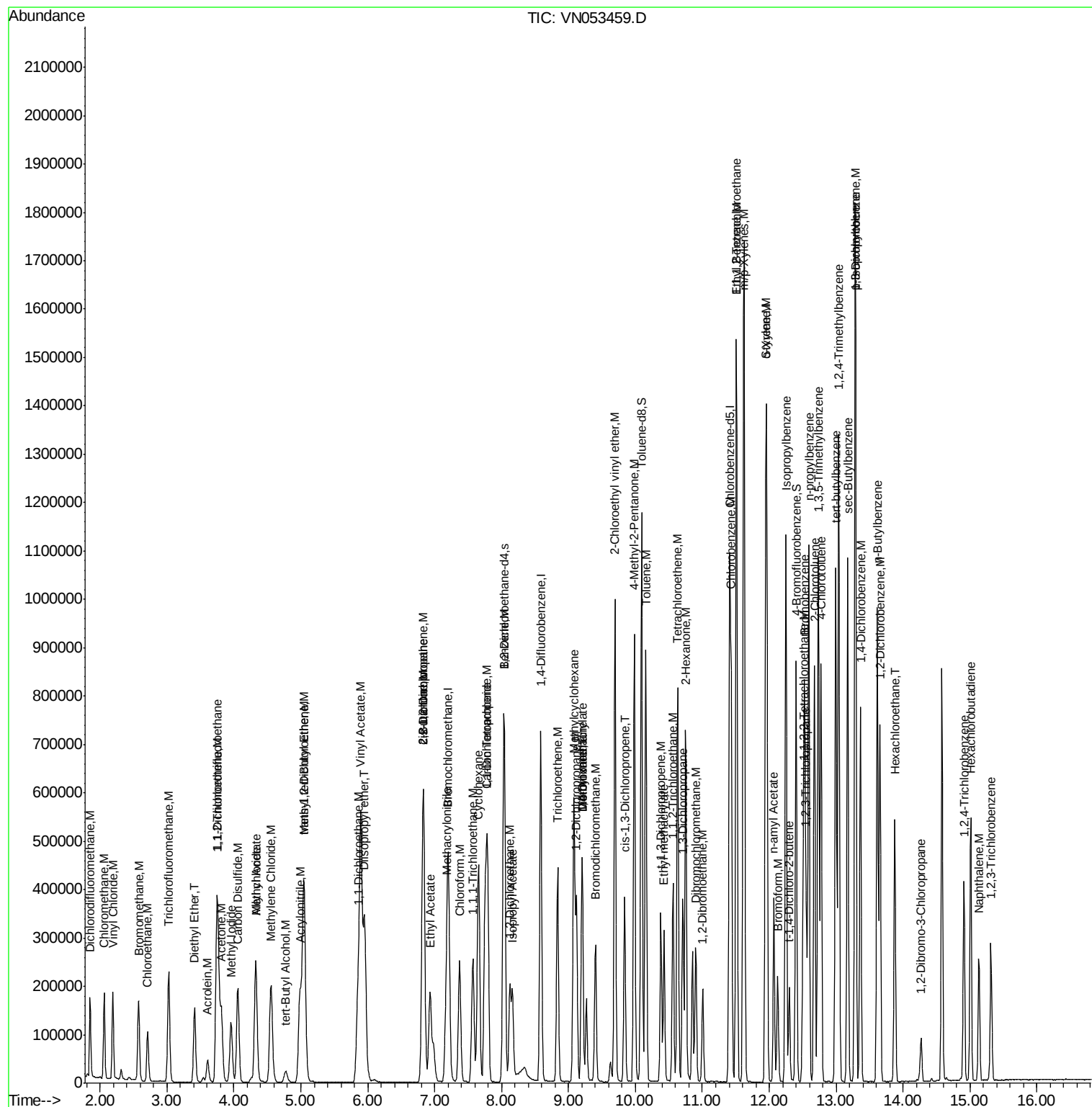
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
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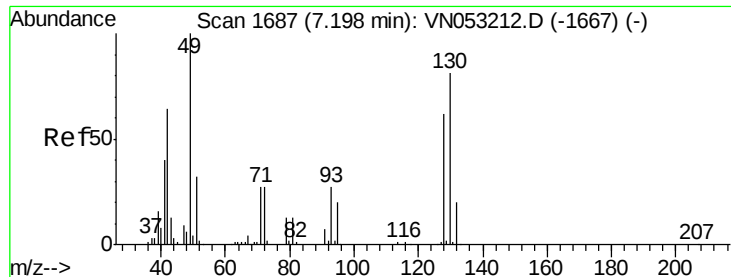
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
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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: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

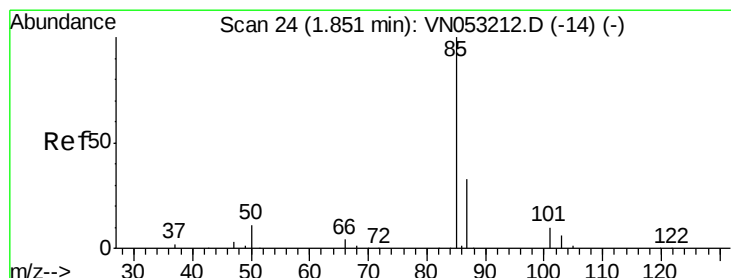
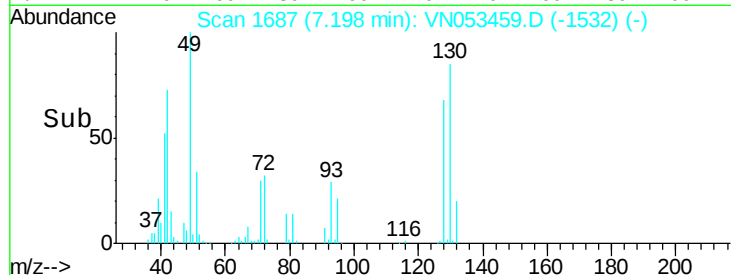
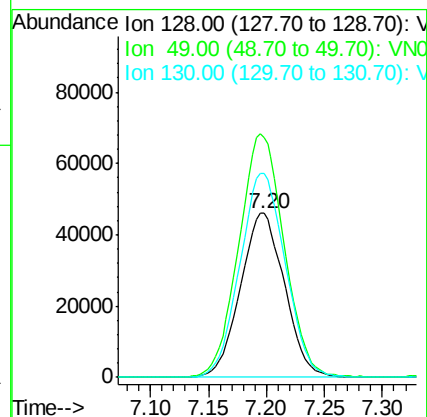
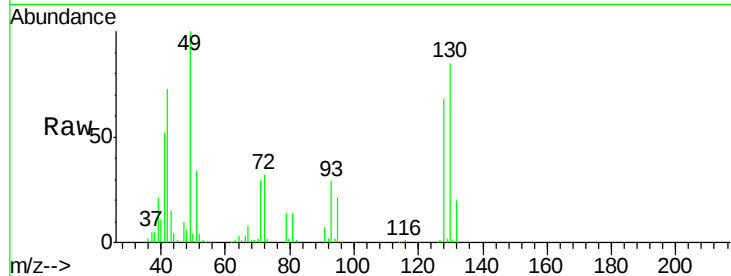
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	152.2	0.0	431.8
130	128.1	0.0	317.0

Manual Integrations
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1/21/2019 10:46:24 AM



#2

Dichlorodifluoromethane

Concen: 15.987 ug/l

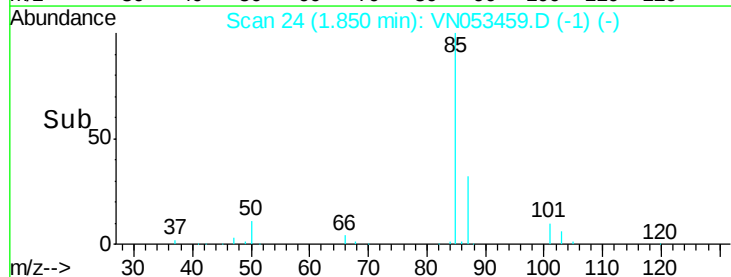
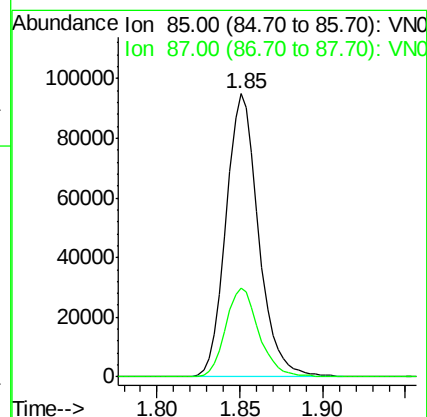
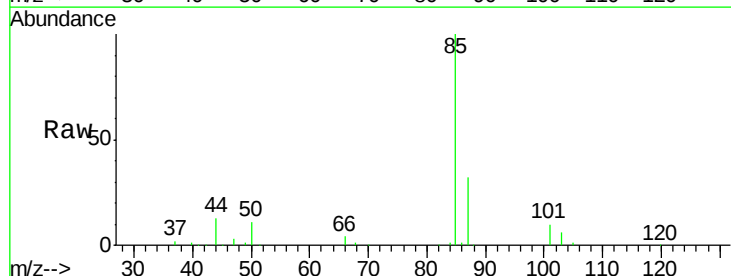
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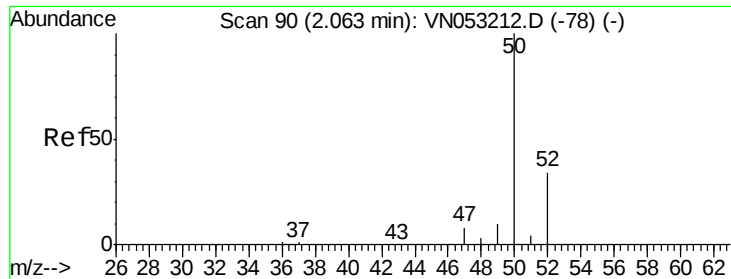
Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.1	48.3





#3

Chloromethane

Concen: 17.715 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 168833

Ion Ratio Lower Upper

50 100

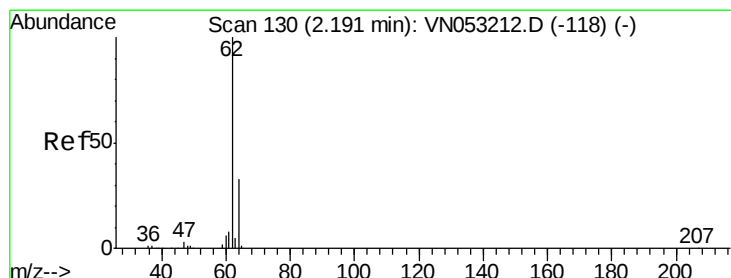
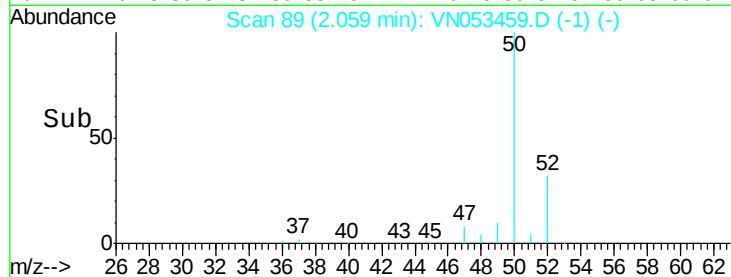
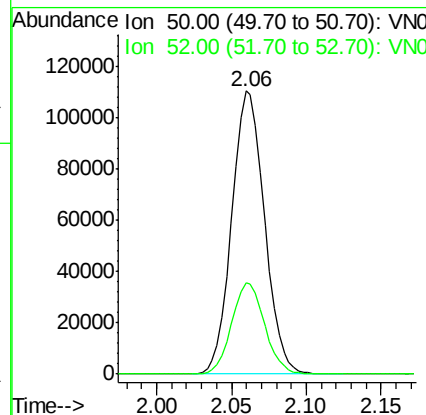
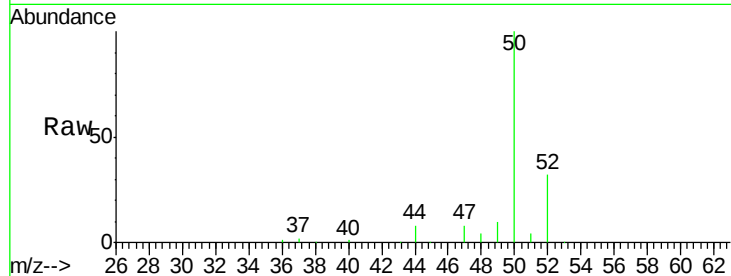
52 32.1 26.5 39.7

Manual Integrations

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1/21/2019 10:46:24 AM



#4

Vinyl Chloride

Concen: 17.873 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053459.D

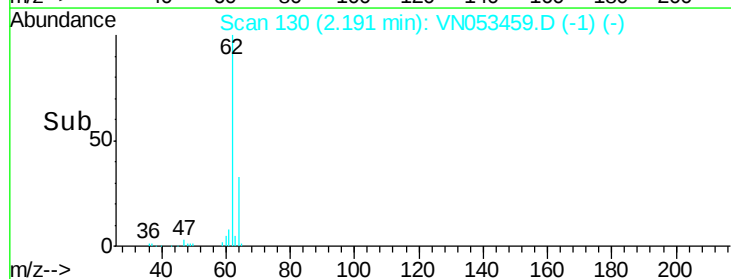
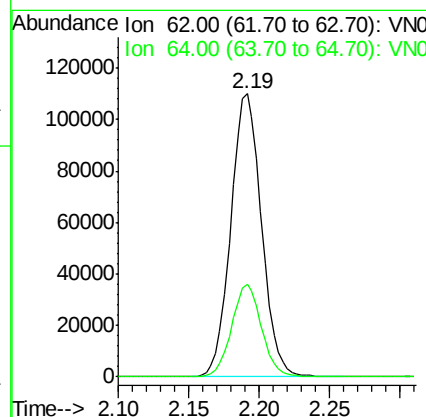
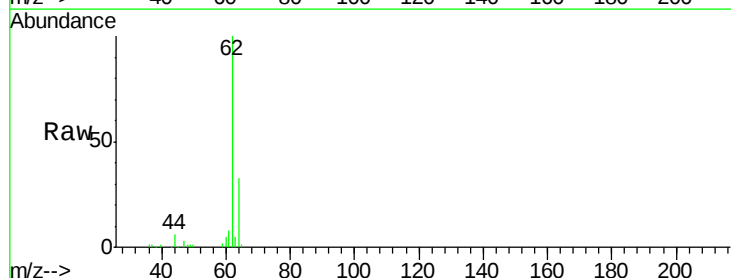
Acq: 18 Jan 2019 8:50

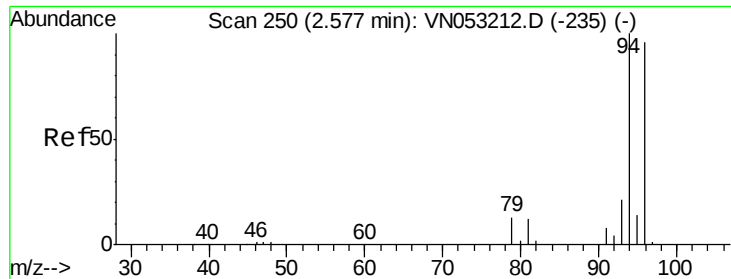
Tgt Ion: 62 Resp: 167624

Ion Ratio Lower Upper

62 100

64 32.9 24.2 36.4





#5

Bromomethane

Concen: 18.569 ug/l

RT: 2.58 min Scan# 250

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 112283

Ion Ratio Lower Upper

94 100

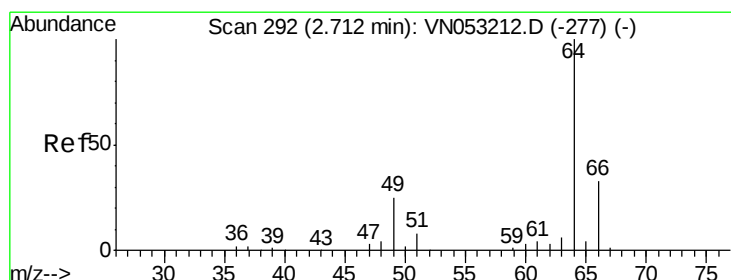
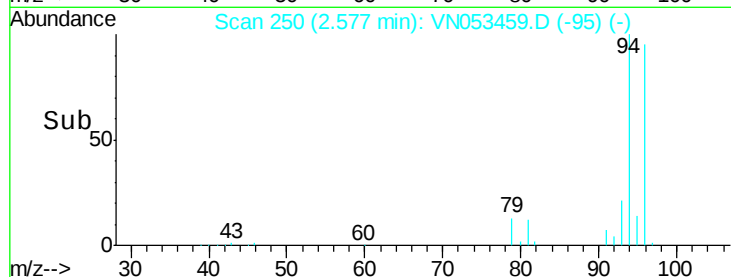
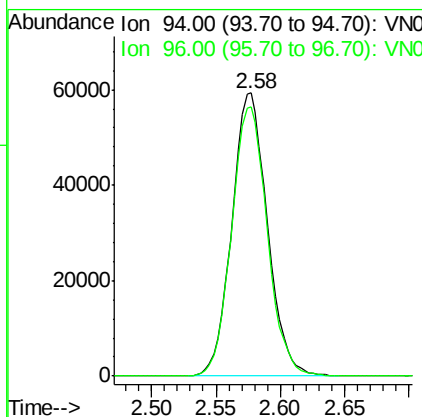
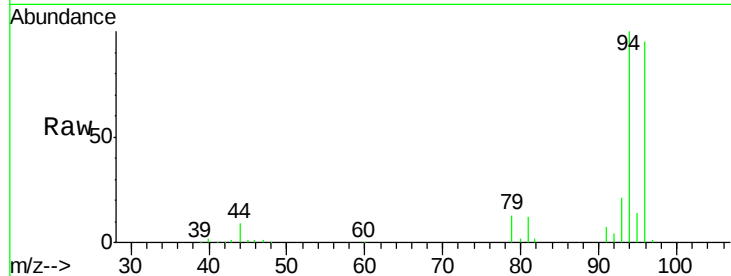
96 95.6 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 18.447 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN053459.D

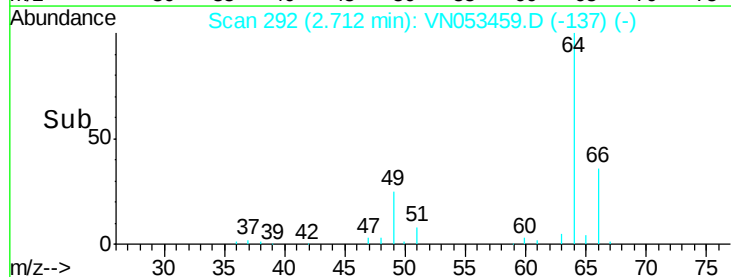
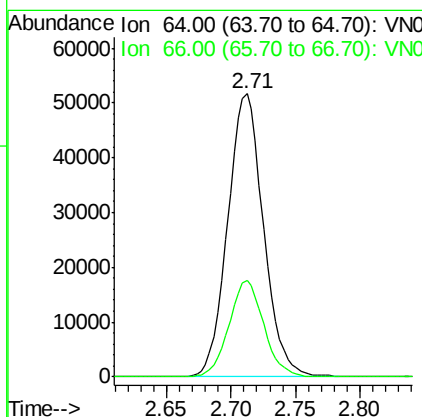
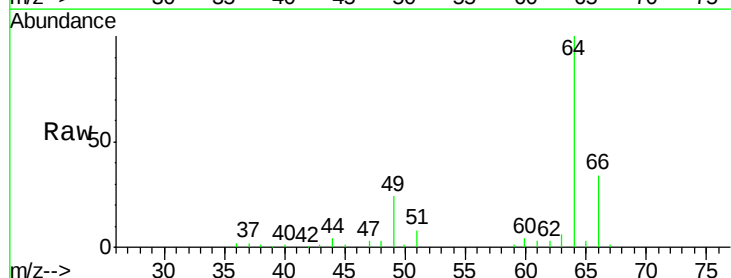
Acq: 18 Jan 2019 8:50

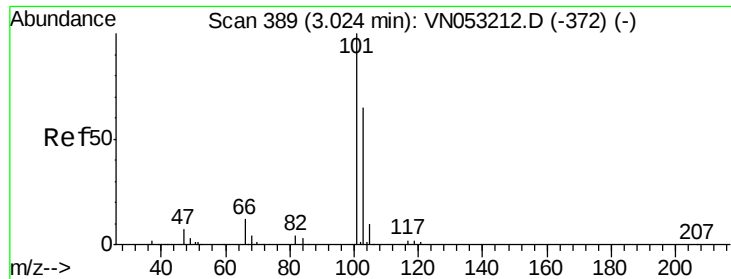
Tgt Ion: 64 Resp: 99657

Ion Ratio Lower Upper

64 100

66 34.0 25.6 38.4





#7

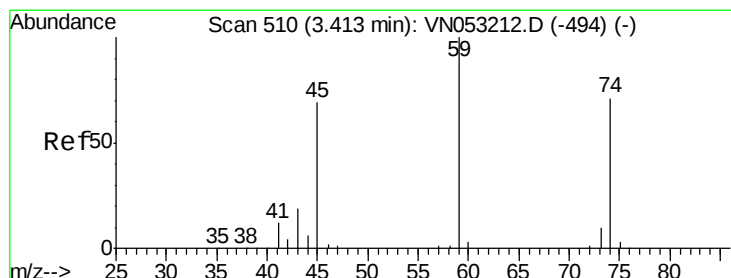
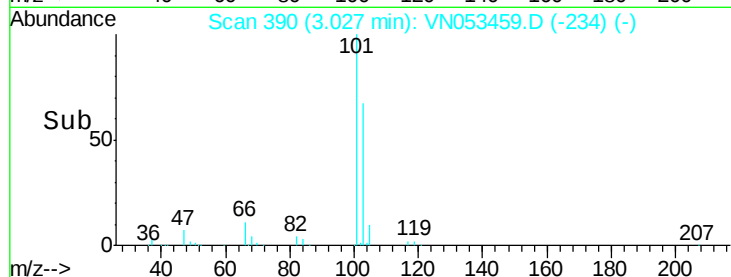
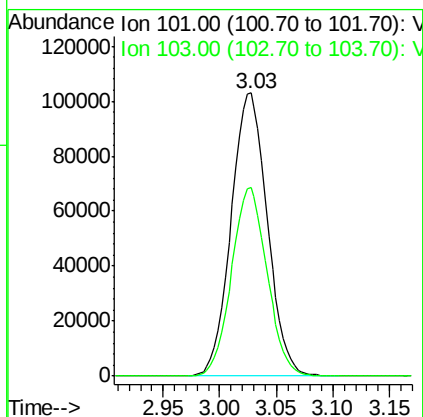
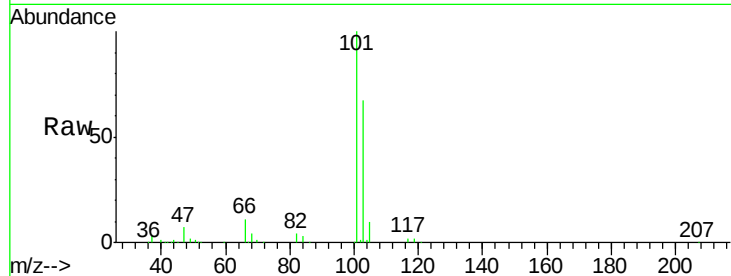
Trichlorofluoromethane
Concen: 19.815 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.1	78.1

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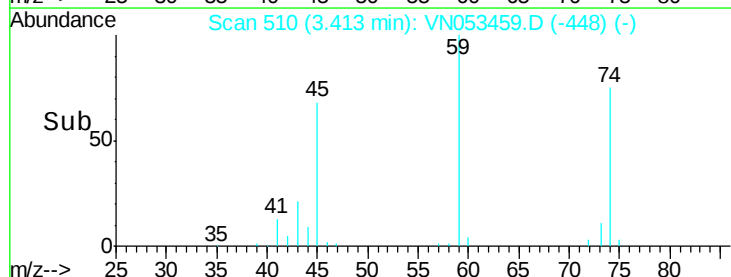
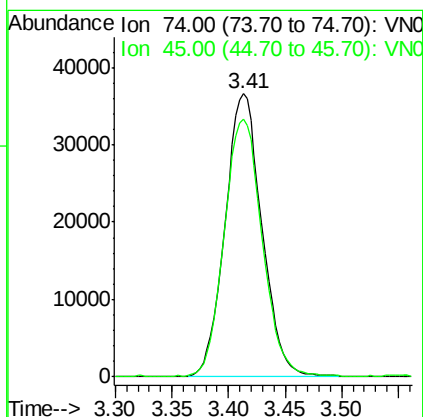
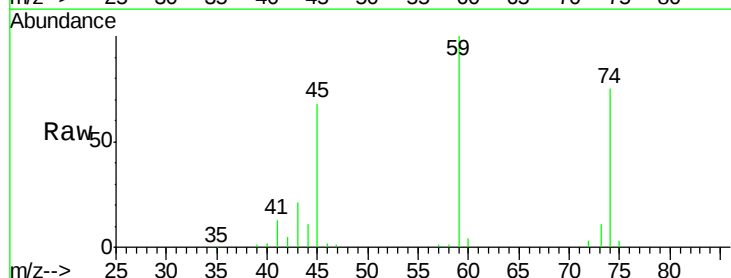
MMDadoda
1/21/2019 10:46:24 AM

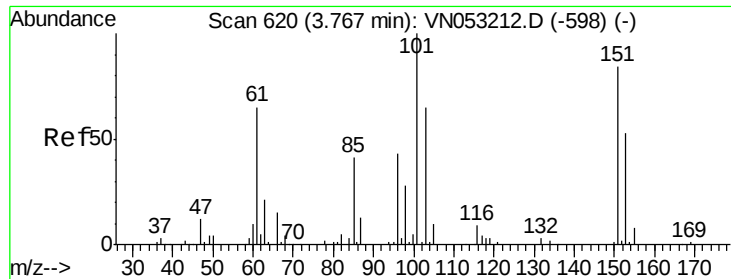


#8

Diethyl Ether
Concen: 19.276 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	20.6	185.8





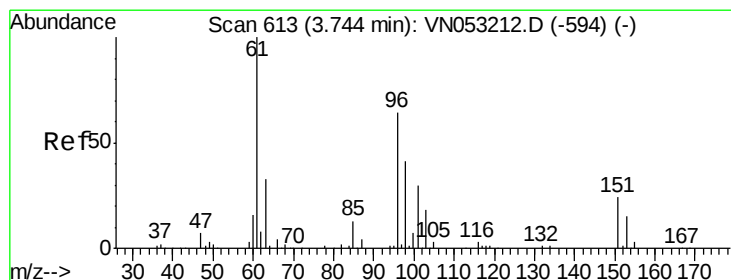
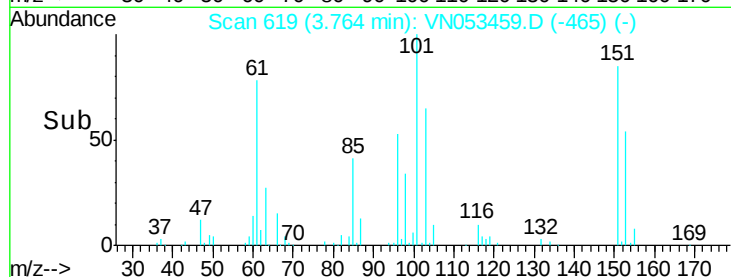
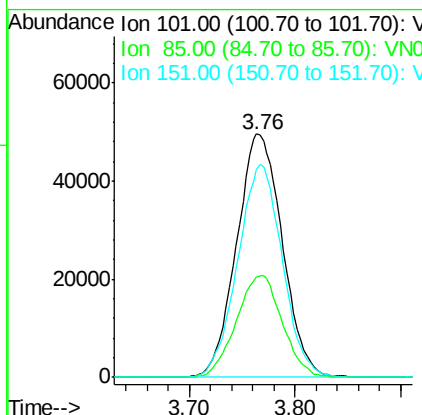
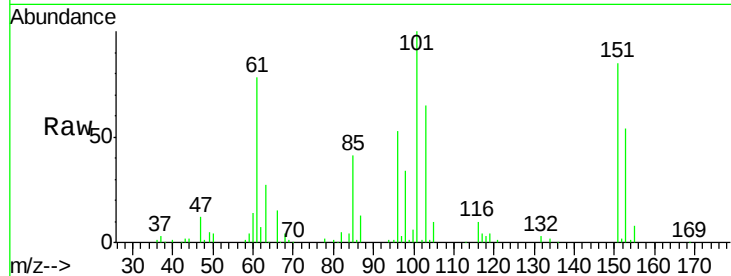
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.510 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	41.9	0.0	82.6
151	85.4	0.0	158.4

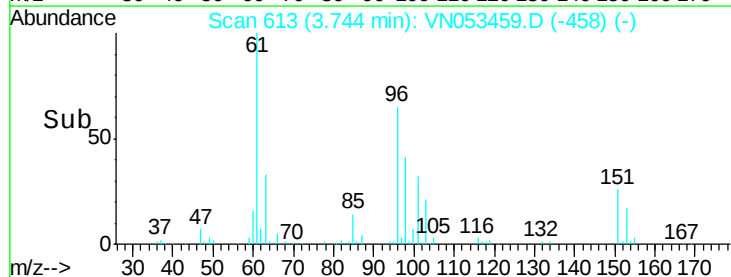
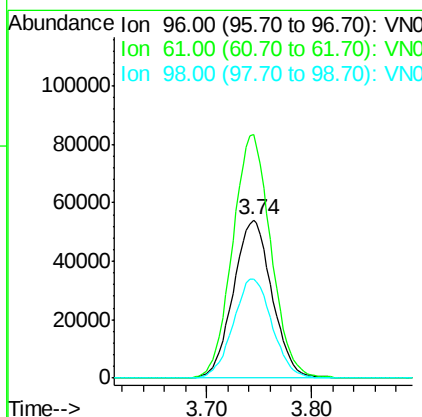
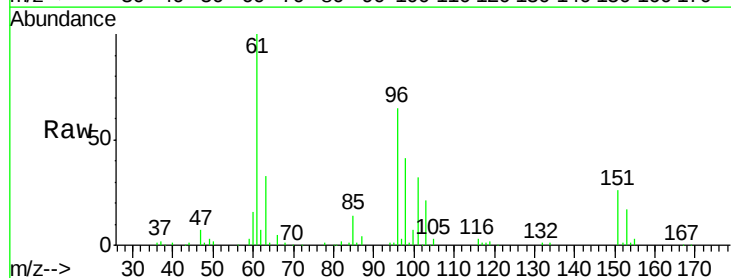
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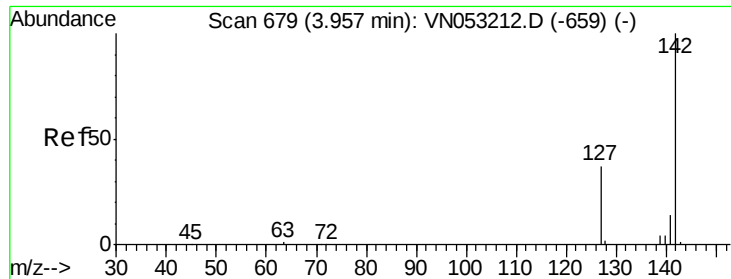
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#10
 1,1-Dichloroethene
 Concen: 19.416 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	153.9	129.4	194.2
98	62.9	50.4	75.6





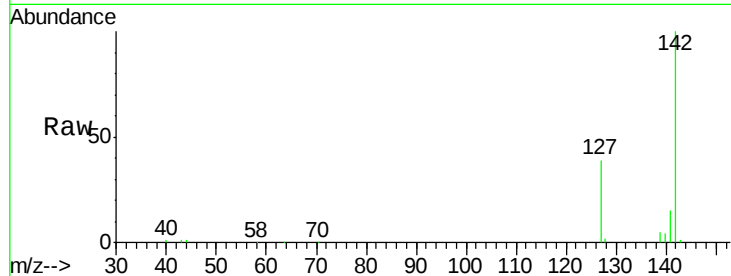
#11
Methvl Iodide
Concen: 19.947 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

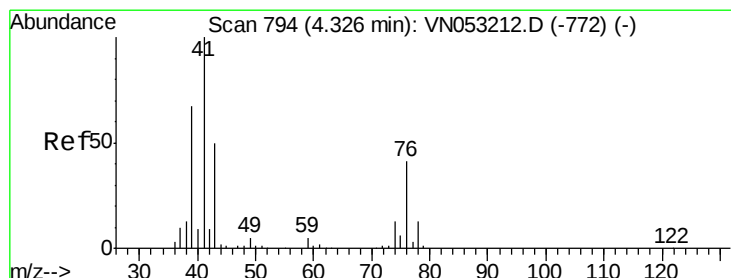
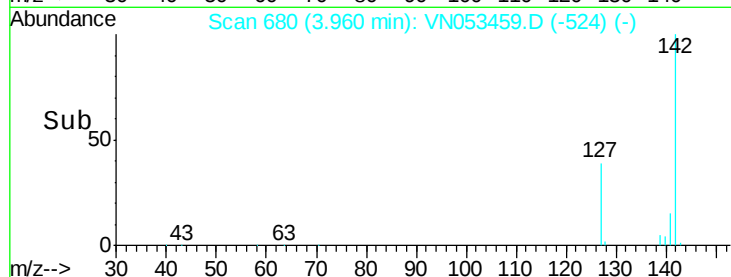
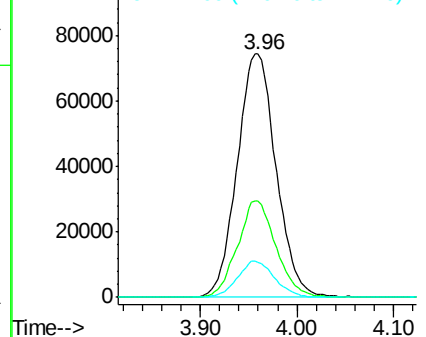
Tot Ion	Ratio	Lower	Upper
142	100		
127	39.3	19.4	58.1
141	14.6	7.2	21.6

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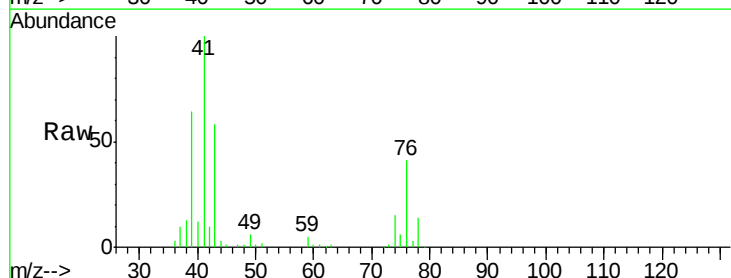


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

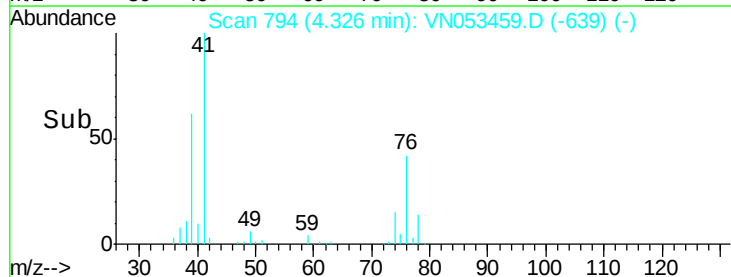
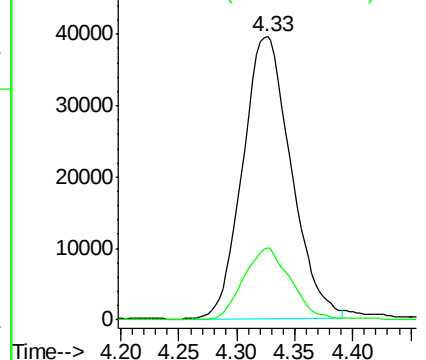


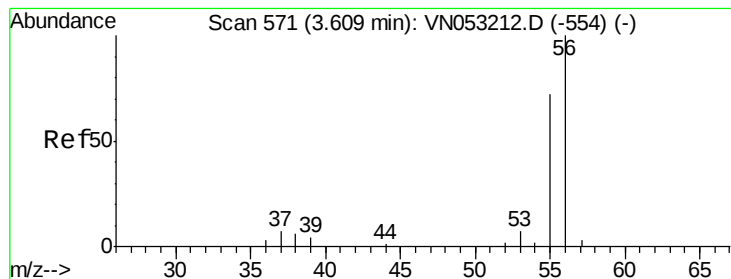
#12
Methyl Acetate
Concen: 20.765 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	18.9	28.3



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





#13

Acrolein

Concen: 83.617 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 55257

Ion Ratio Lower Upper

56 100

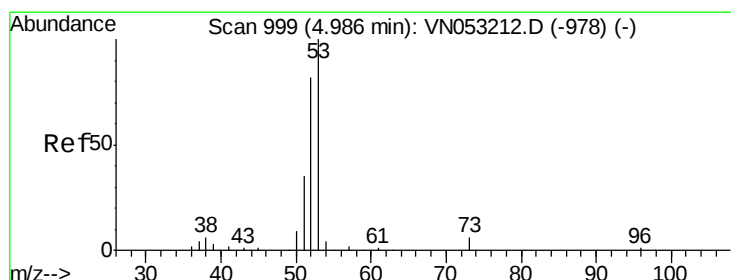
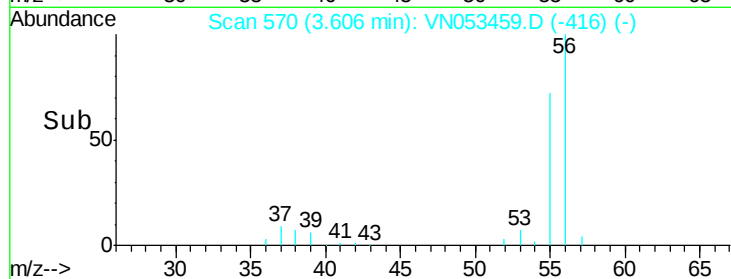
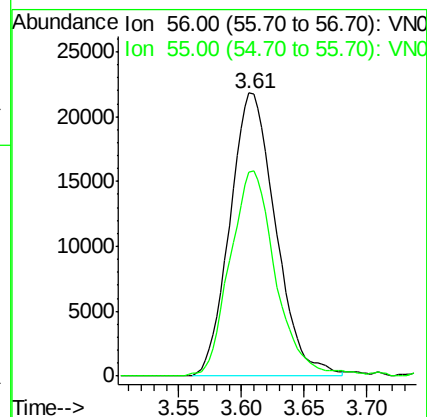
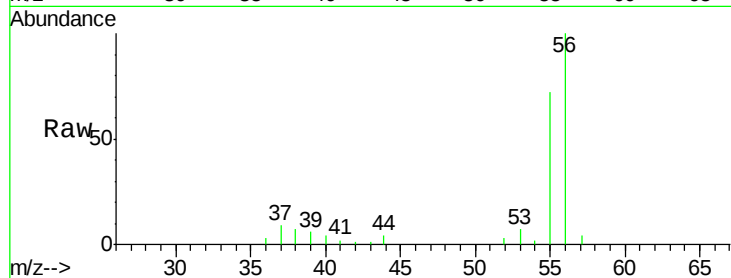
55 71.5 56.7 85.1

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#14

Acrylonitrile

Concen: 99.147 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

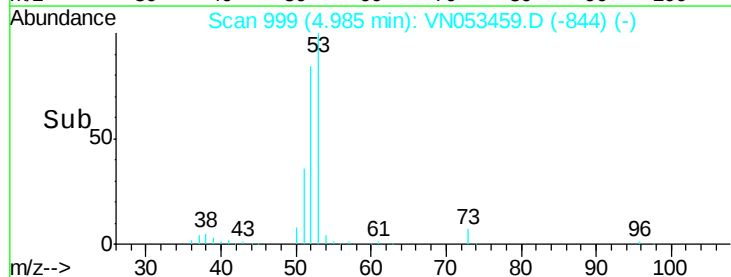
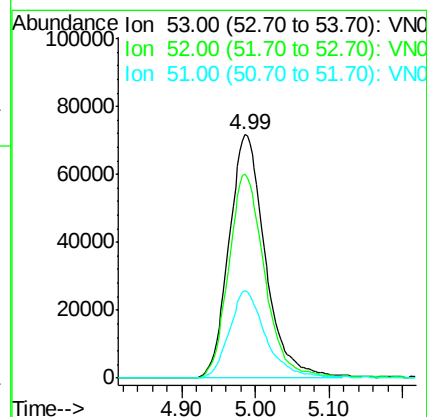
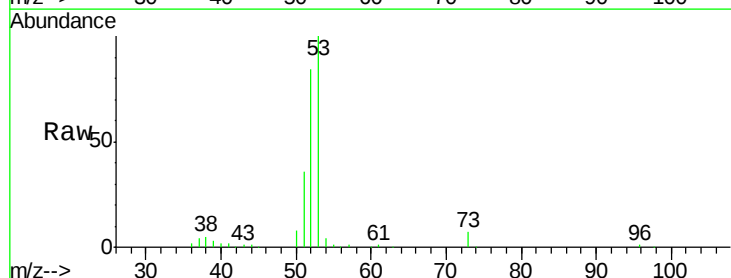
Tgt Ion: 53 Resp: 245505

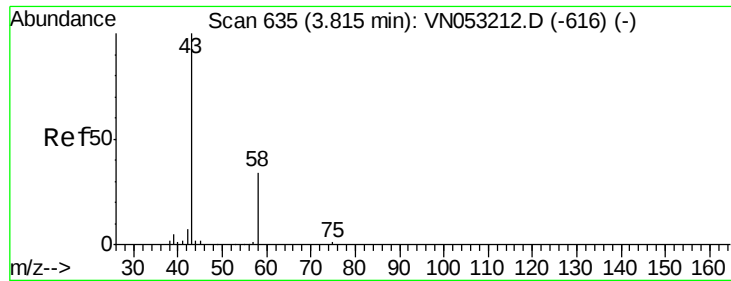
Ion Ratio Lower Upper

53 100

52 82.5 39.9 119.7

51 35.9 17.6 52.9





#15

Acetone

Concen: 148.183 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 58 Resp: 77982

Ion Ratio Lower Upper

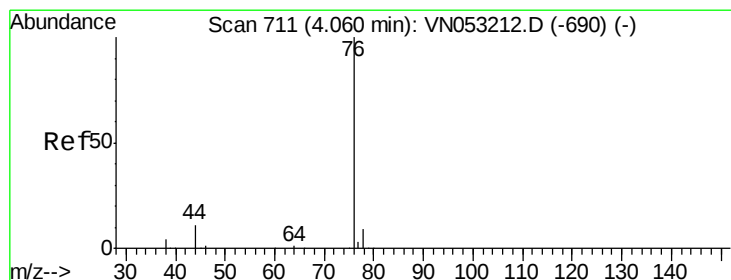
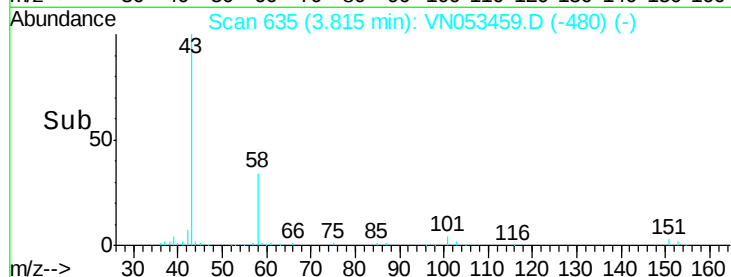
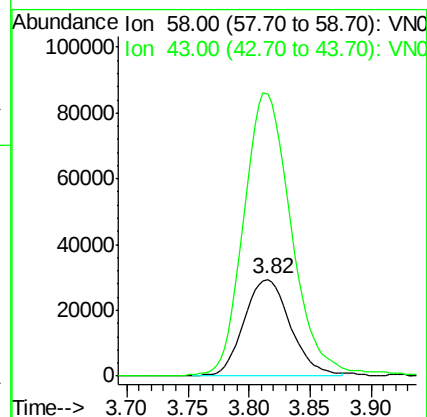
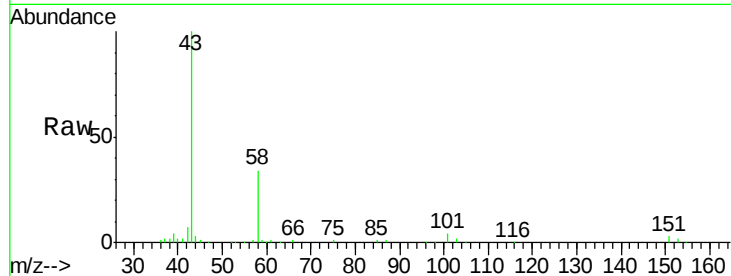
58 100

43 290.3 243.6 365.4

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#16

Carbon Disulfide

Concen: 18.262 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053459.D

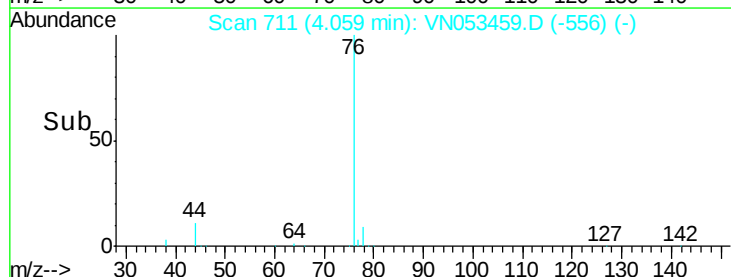
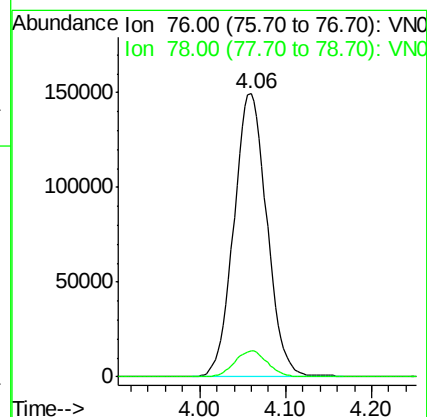
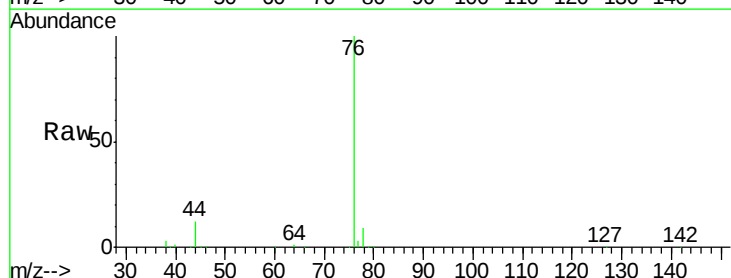
Acq: 18 Jan 2019 8:50

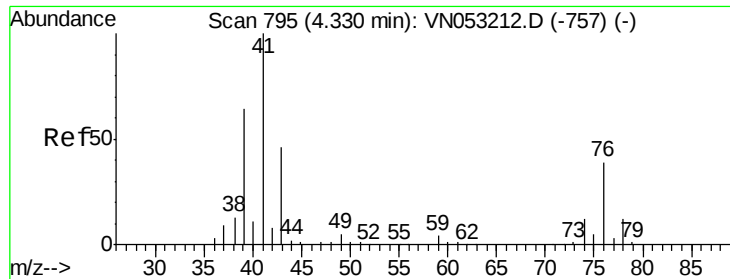
Tgt Ion: 76 Resp: 398954

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#17

Allvl chloride

Concen: 17.602 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

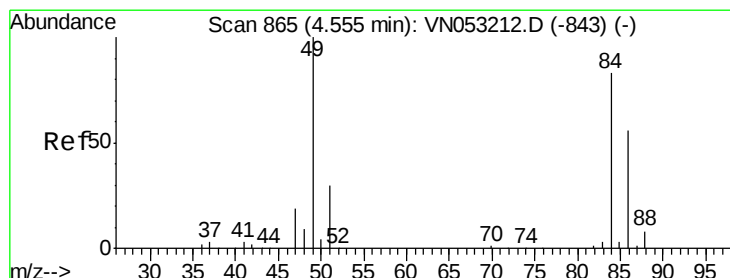
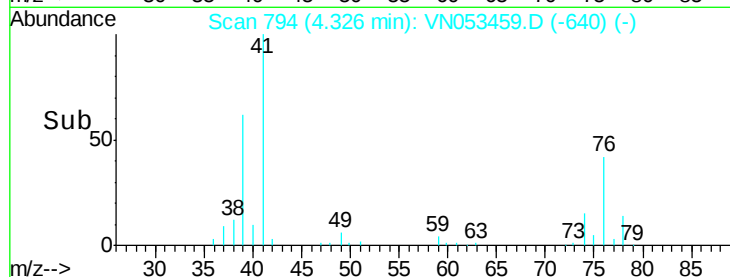
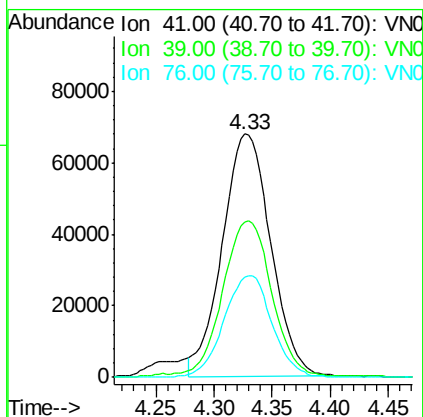
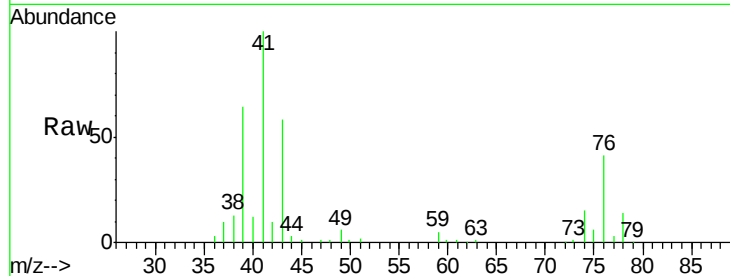
ClientSampled :

VSTDCCC020

Tot Ion:	41	Resp:	196638
Ion	Ratio	Lower	Upper
41	100		
39	63.8	32.8	98.3
76	41.1	18.6	55.8

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#18

Methylene Chloride

Concen: 19.505 ug/l

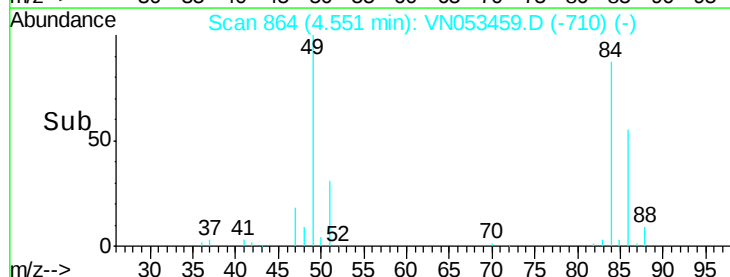
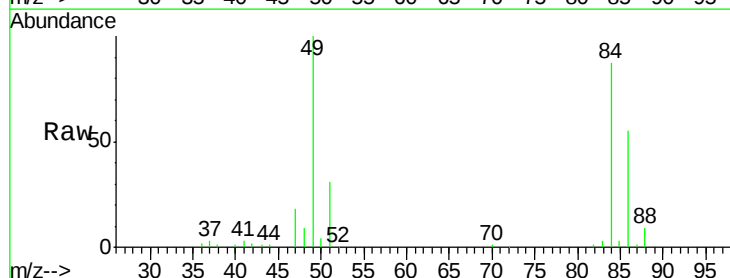
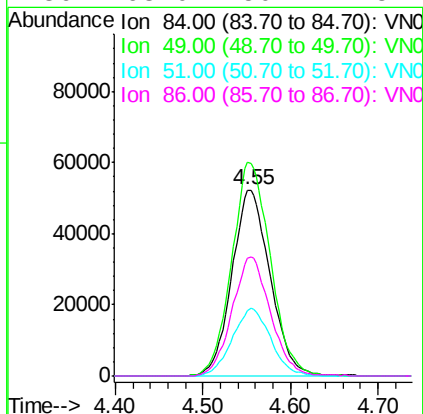
RT: 4.55 min Scan# 864

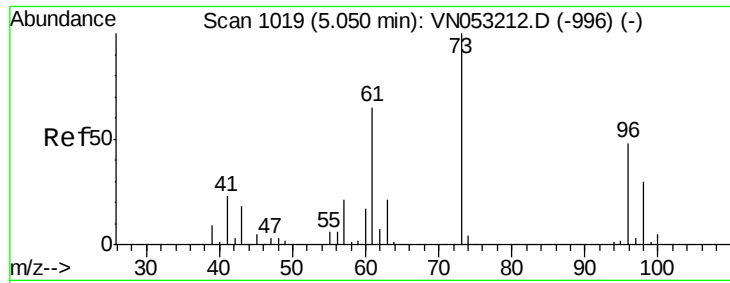
Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Tgt Ion:	84	Resp:	158528
Ion	Ratio	Lower	Upper
84	100		
49	114.7	101.4	152.0
51	35.3	31.7	47.5
86	63.0	50.1	75.1





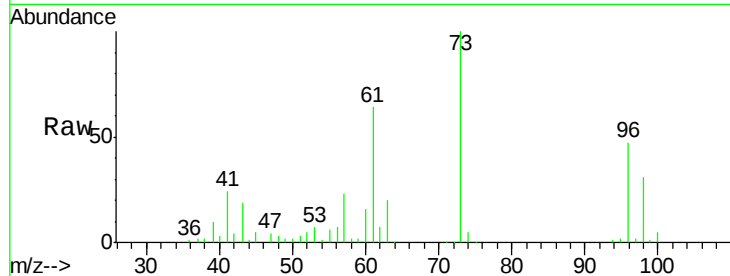
#19
trans-1,2-Dichloroethene
Concen: 19.363 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		145315		
61	135.7		118.2	177.4	
98	65.1		51.4	77.2	

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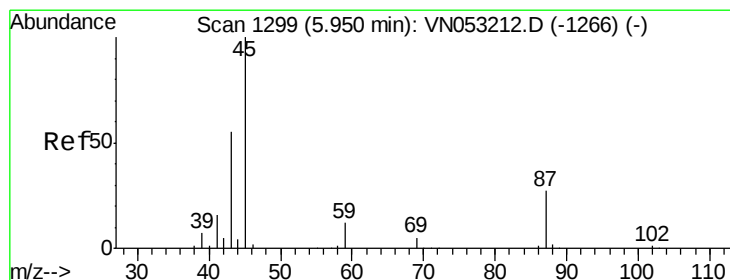
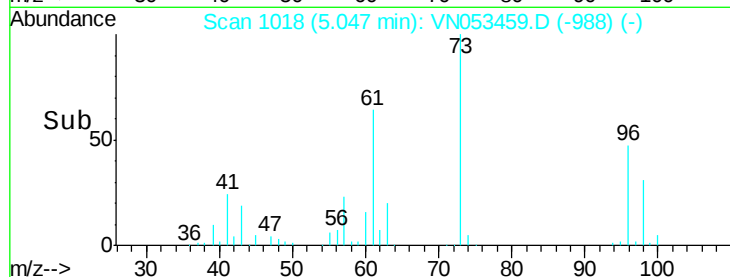
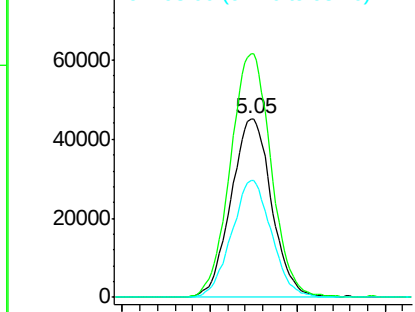


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 19.278 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		461230		
43	59.2		47.8	71.8	
87	28.6		21.3	31.9	
59	11.6		8.9	13.3	

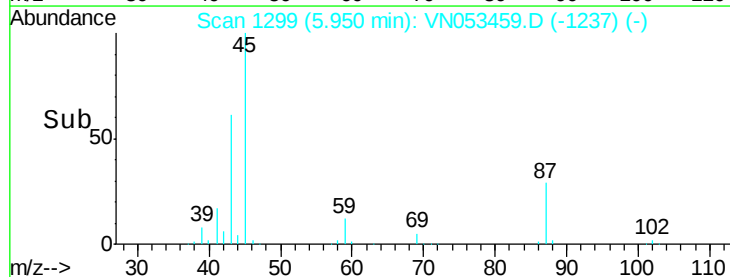
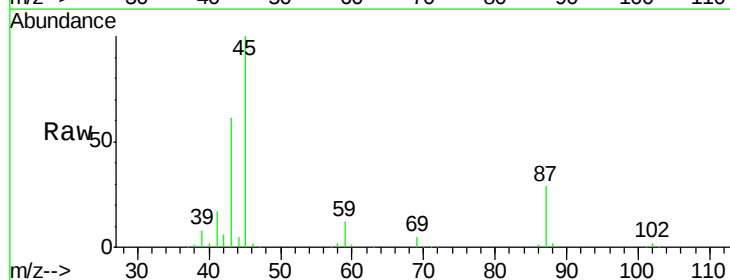
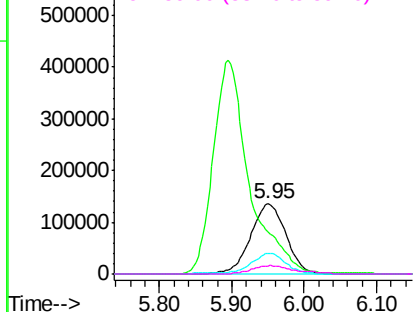
Abundance

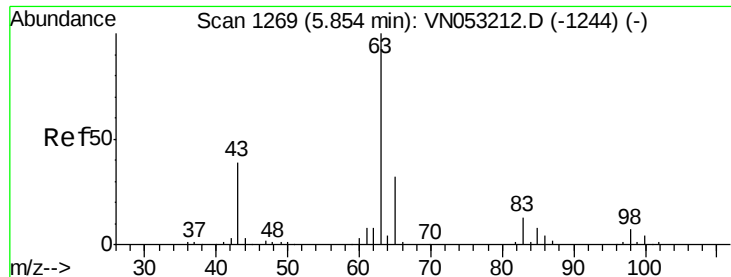
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.597 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

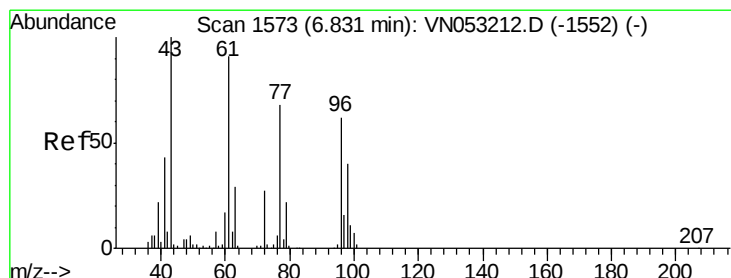
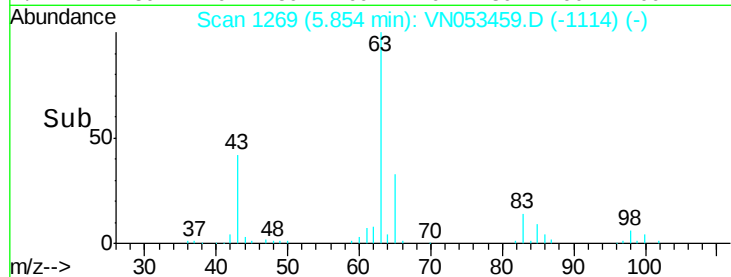
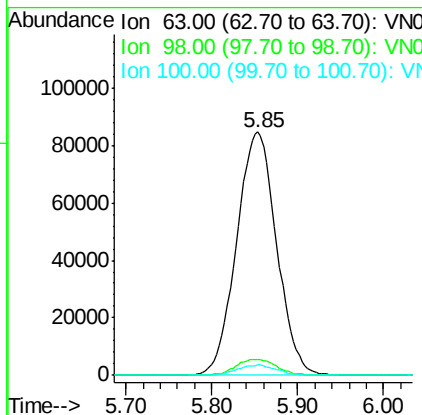
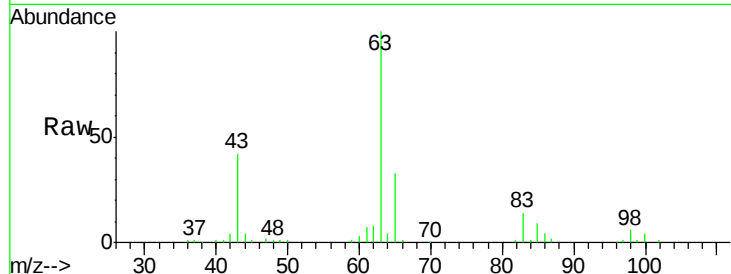
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	272982
Ion Ratio		Lower	Upper
63	100		
98	6.4	3.0	9.2
100	4.2	1.8	5.5

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#22

cis-1,2-Dichloroethene

Concen: 19.763 ug/l

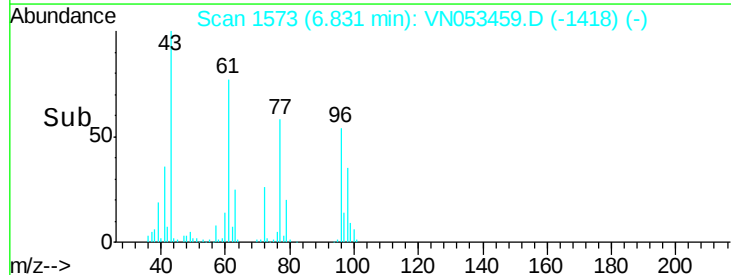
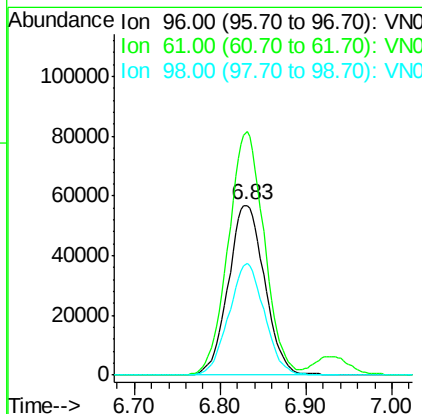
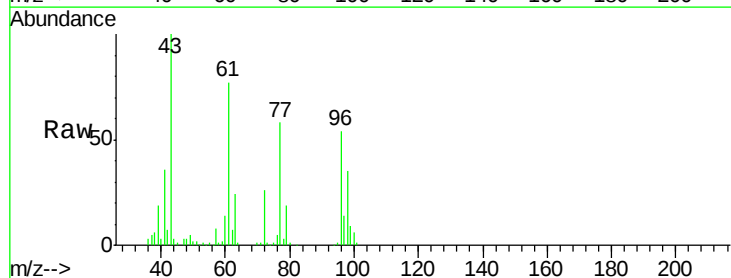
RT: 6.83 min Scan# 1573

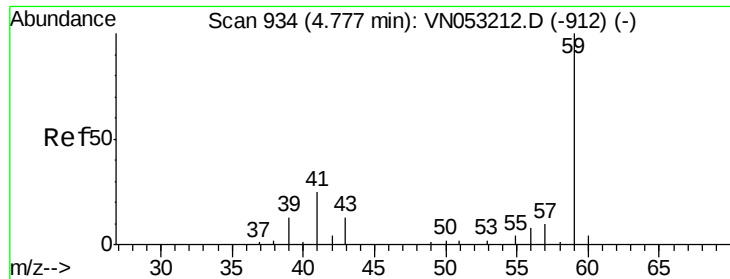
Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Tgt Ion:	96	Resp:	167074
Ion Ratio		Lower	Upper
96	100		
61	141.5	116.7	175.1
98	64.2	50.8	76.2





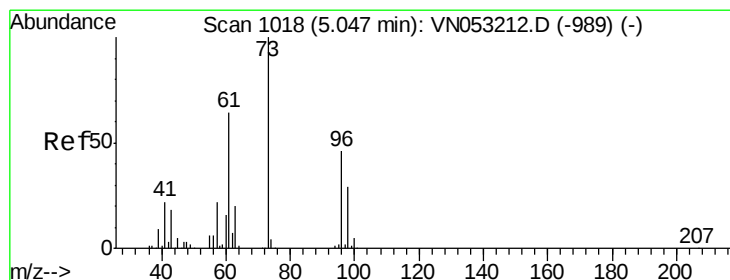
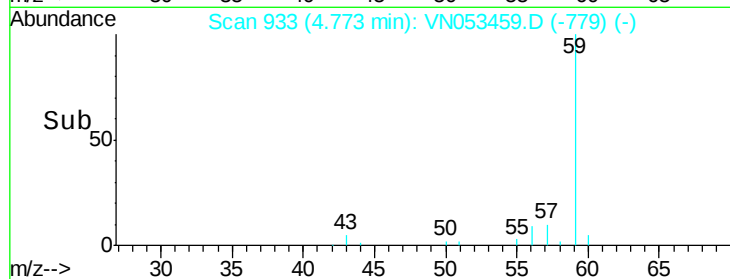
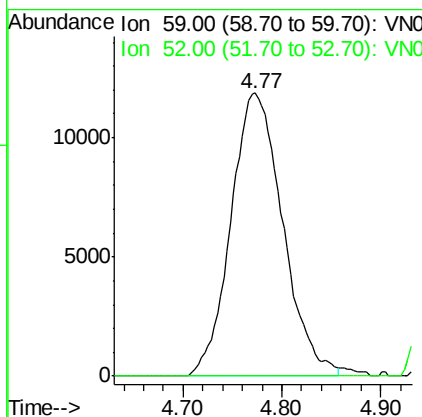
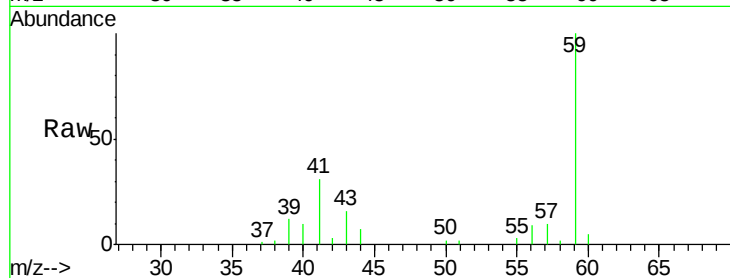
#23
 tert-Butyl Alcohol
 Concen: 103.617 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
59	100		
52	0.1	0.0	0.0#

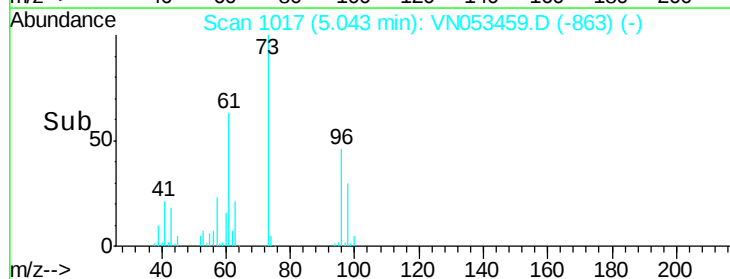
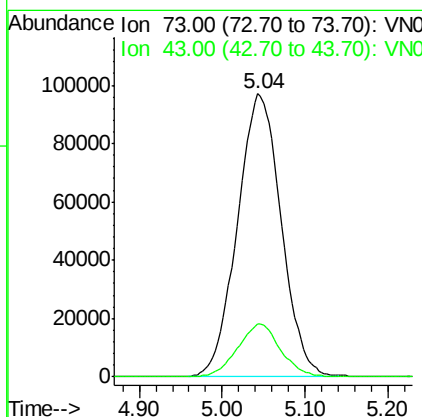
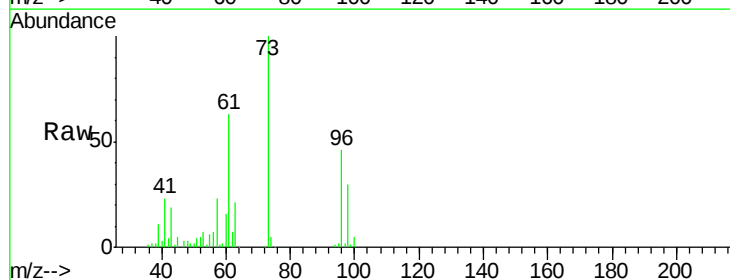
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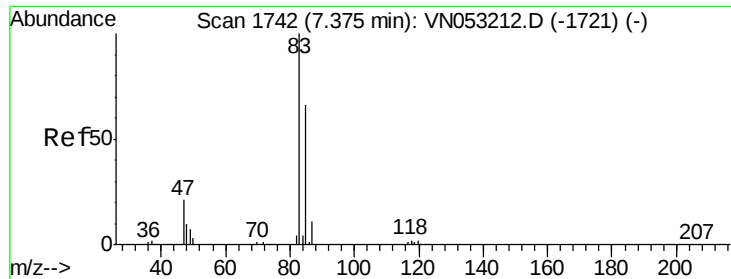
MMDadoda
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#24
 Methyl tert-Butyl Ether
 Concen: 19.247 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Resp Lower	Upper
73	100		
43	18.2	15.8	23.8





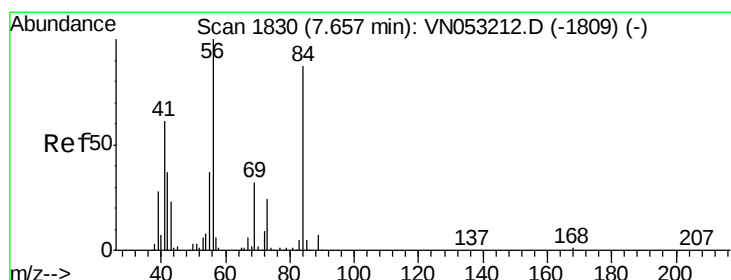
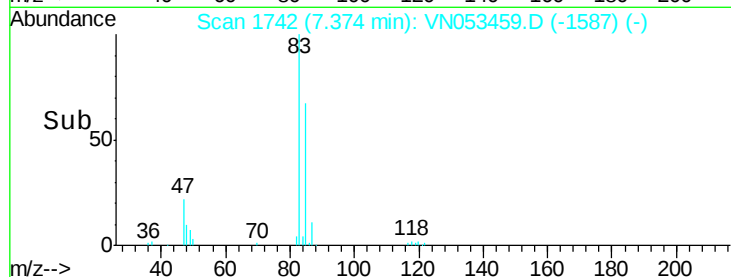
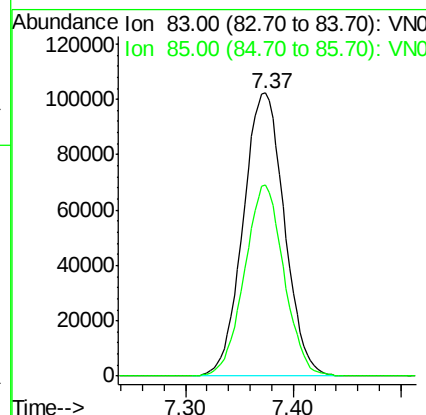
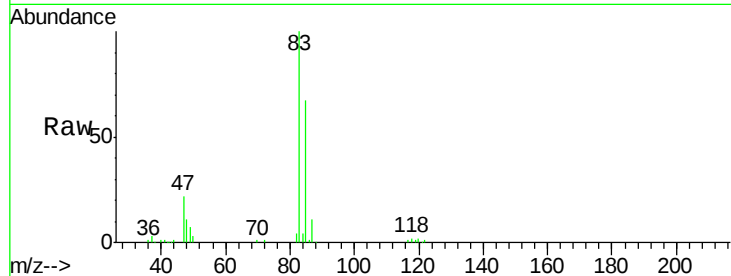
#25
Chloroform
Concen: 20.251 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	271154
Ion Ratio	100	Lower	Upper
83	100		
85	67.4	51.7	77.5

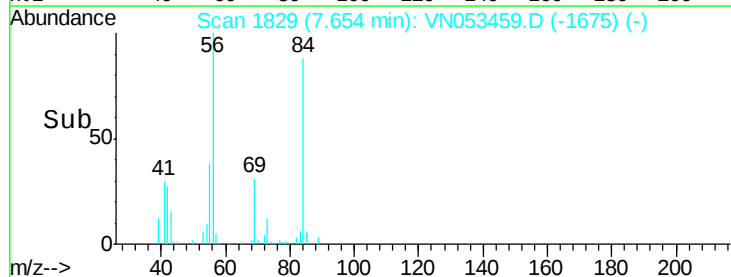
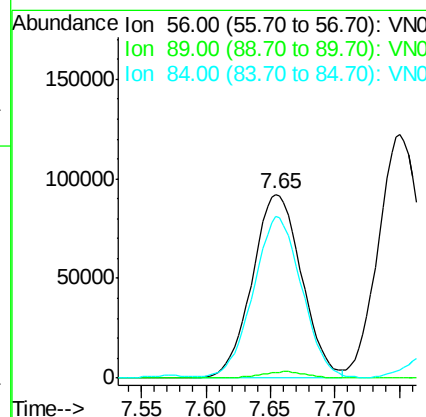
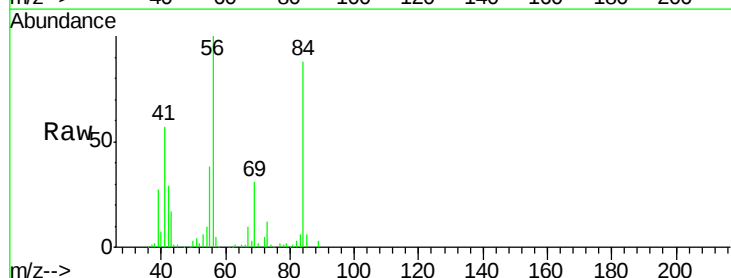
Manual Integrations
APPROVED

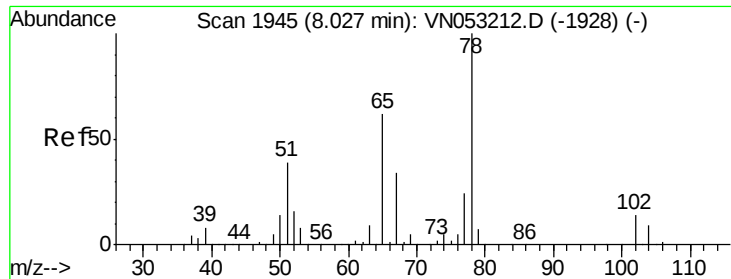
MMDadoda
1/21/2019 10:46:24 AM



#26
Cyclohexane
Concen: 18.965 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	56	Resp	246408
Ion Ratio	100	Lower	Upper
56	100		
89	3.2	0.5	0.7#
84	86.2	66.2	99.2





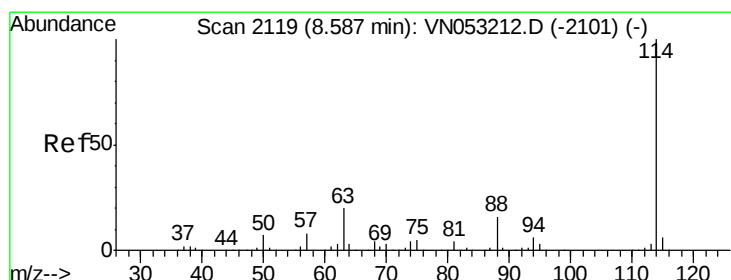
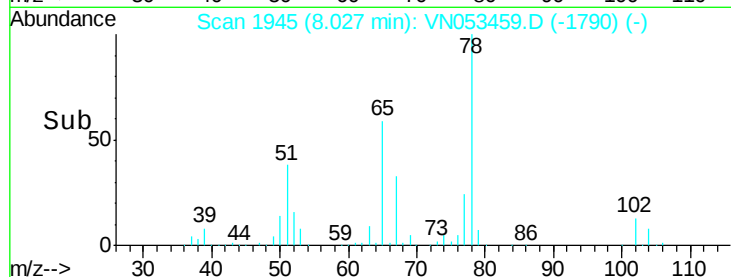
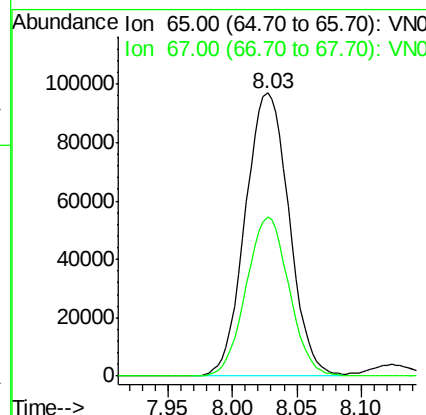
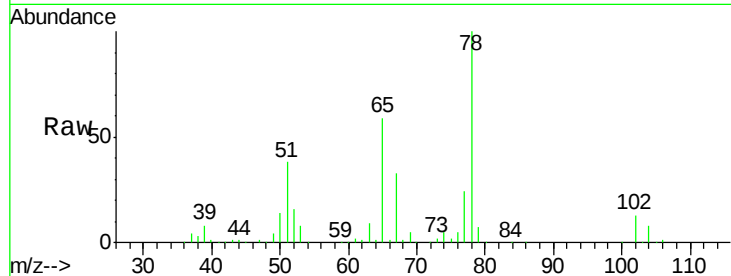
#27
 1,2-Dichloroethane-d4
 Concen: 18.965 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	44.6	66.8

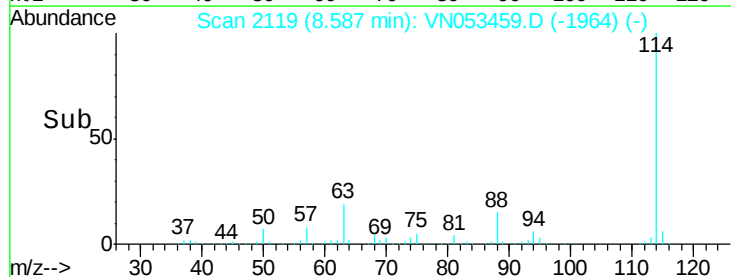
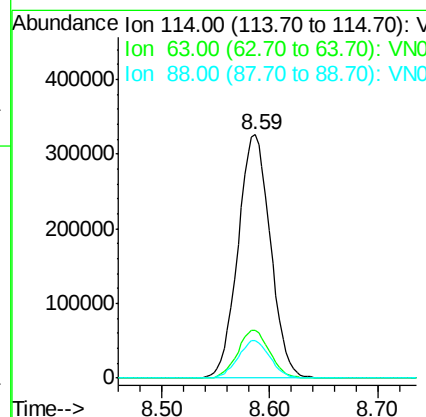
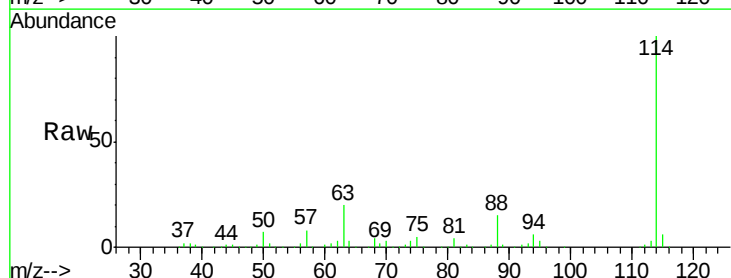
Manual Integrations
 APPROVED

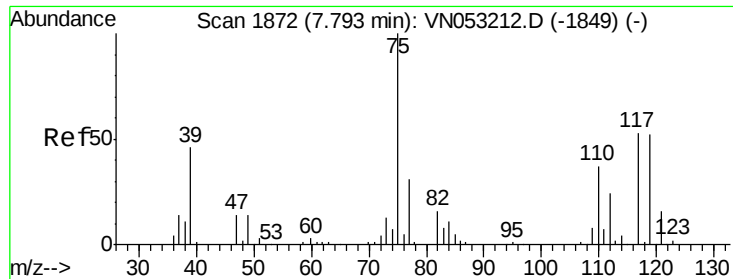
MMDadoda
 1/21/2019 10:46:24 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	16.9	25.3
88	15.2	12.8	19.2





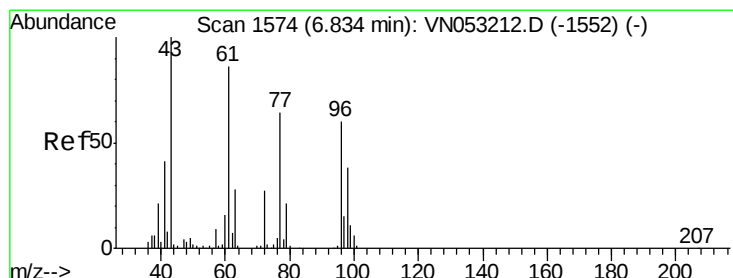
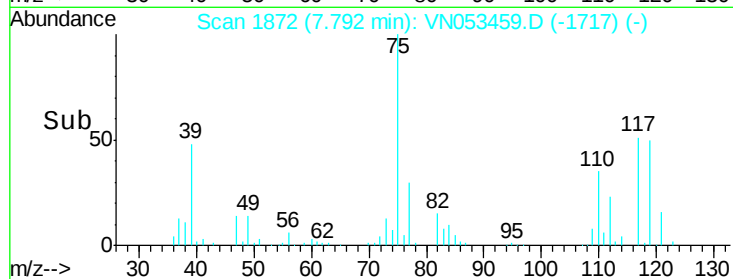
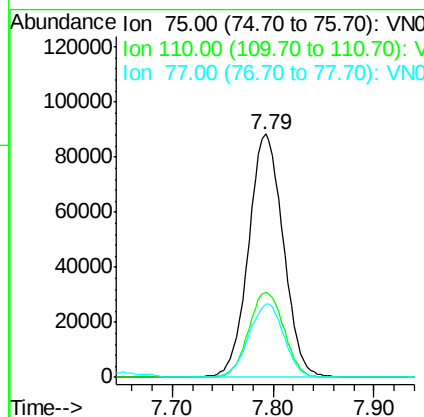
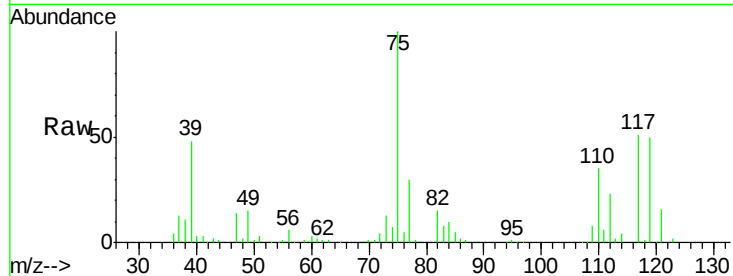
#29
 1,1-Dichloropropene
 Concen: 20.380 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.6	0.0	70.2
77	31.0	0.0	62.6

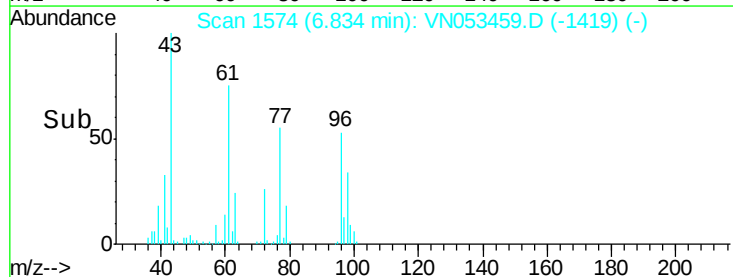
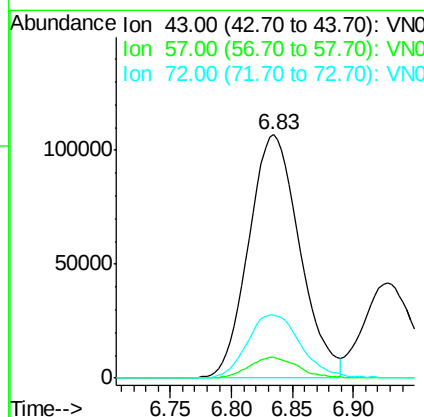
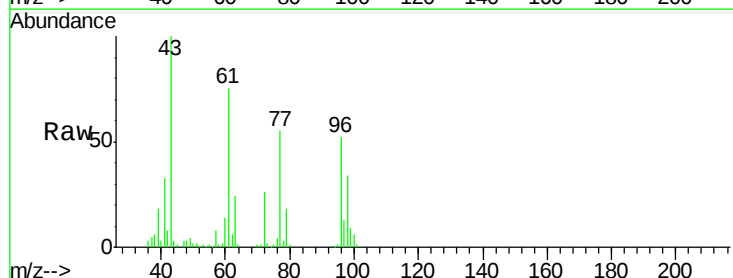
Manual Integrations
 APPROVED

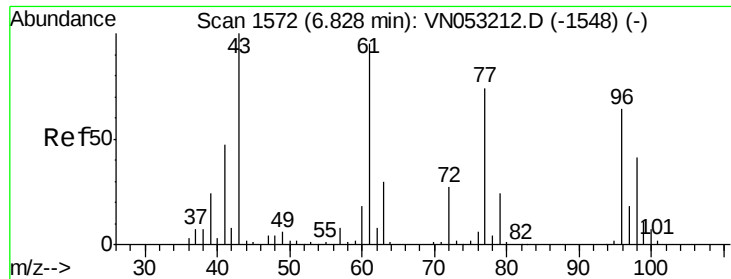
MMDadoda
 1/21/2019 10:46:24 AM



#30
 2-Butanone
 Concen: 119.800 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	6.2	9.4
72	27.4	21.0	31.6





#31

2,2-Dichloropropane

Concen: 20.224 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 202311

Ion Ratio Lower Upper

77 100

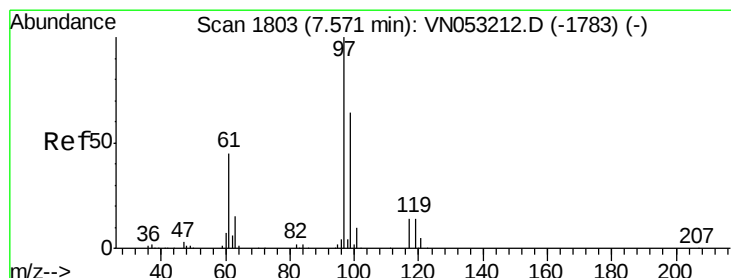
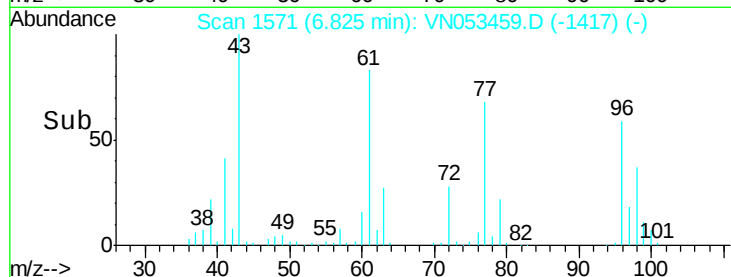
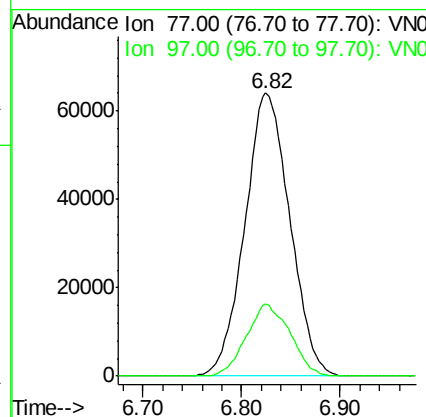
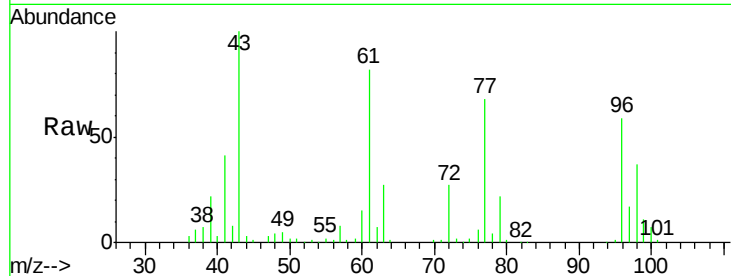
97 24.8 18.7 28.1

Manual Integrations

APPROVED

MMDadoda

1/21/2019 10:46:24 AM



#32

1,1,1-Trichloroethane

Concen: 20.865 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

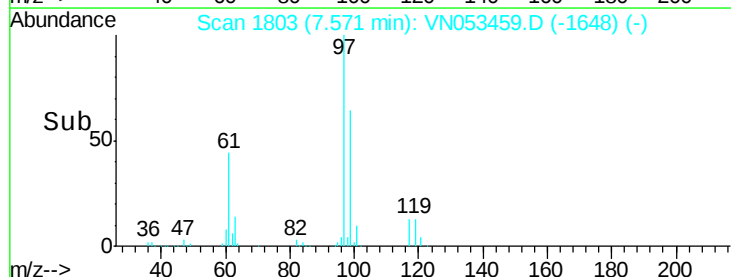
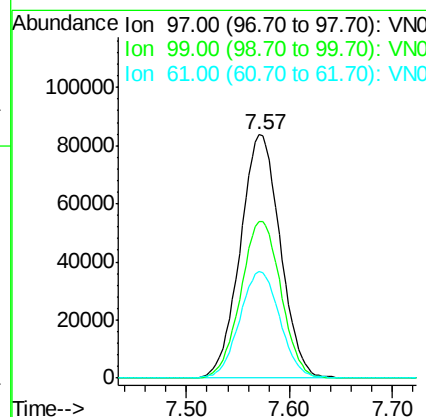
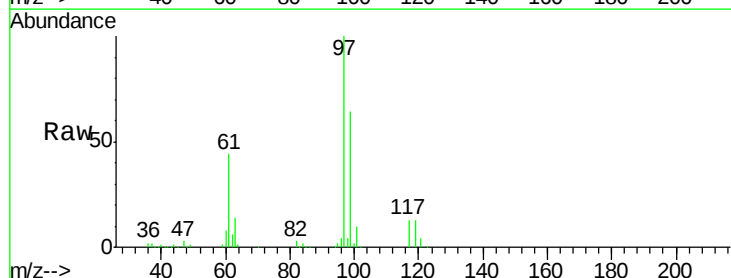
Tgt Ion: 97 Resp: 225896

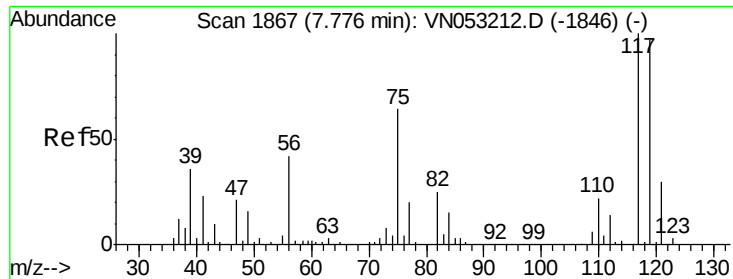
Ion Ratio Lower Upper

97 100

99 64.6 50.9 76.3

61 44.3 38.1 57.1





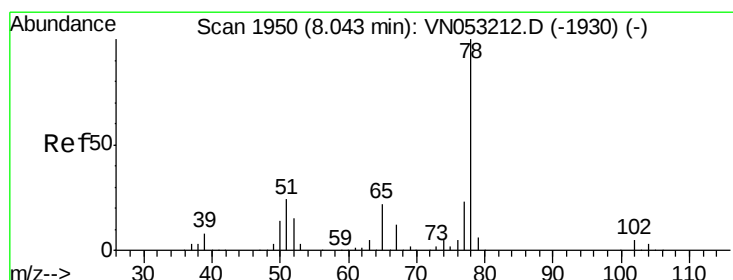
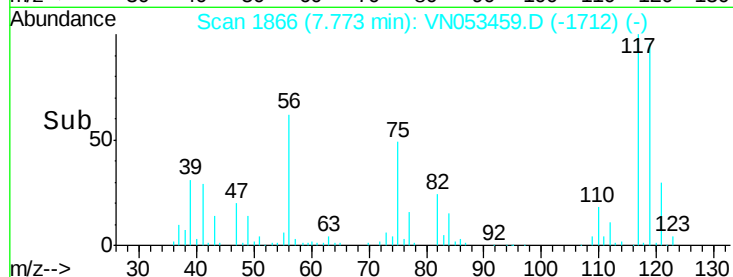
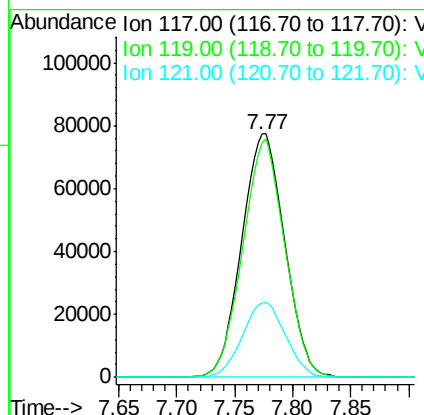
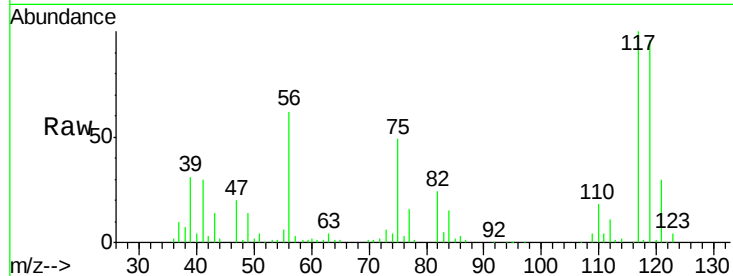
#33
Carbon Tetrachloride
Concen: 21.113 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.3	115.9
121	30.4	24.9	37.3

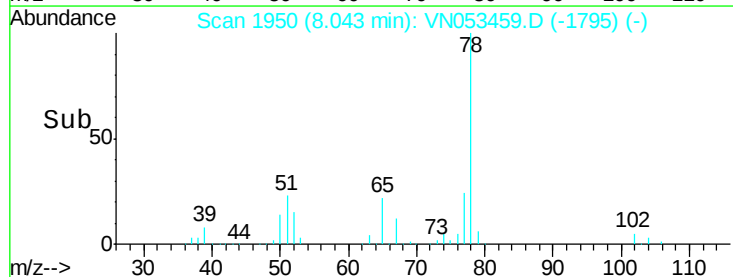
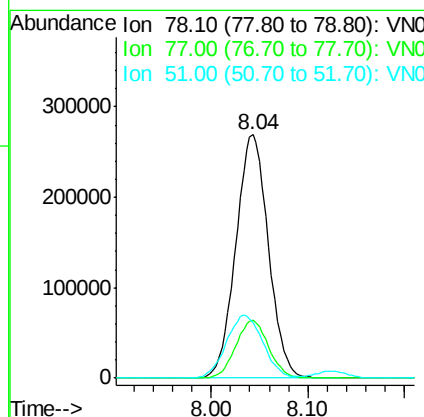
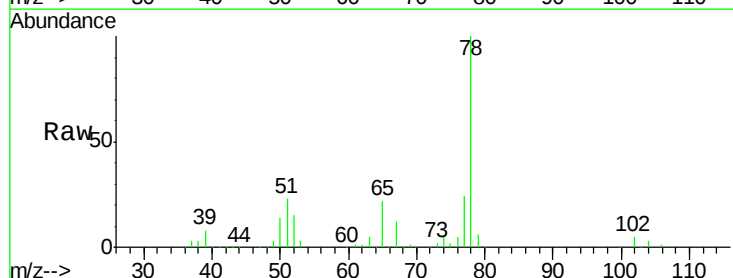
Manual Integrations
APPROVED

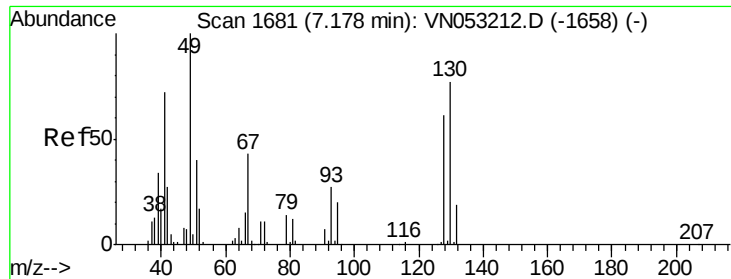
MMDadoda
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#34
Benzene
Concen: 20.254 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6
51	22.7	20.5	30.7





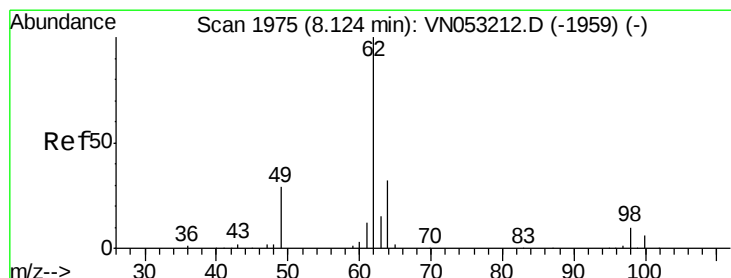
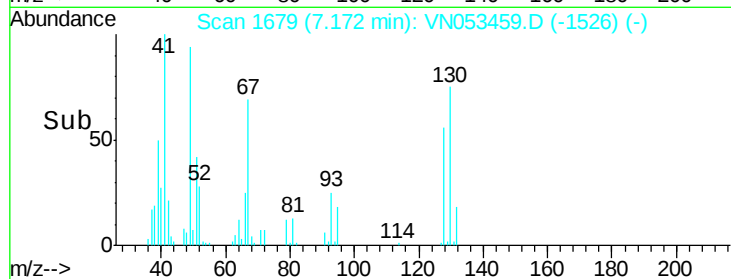
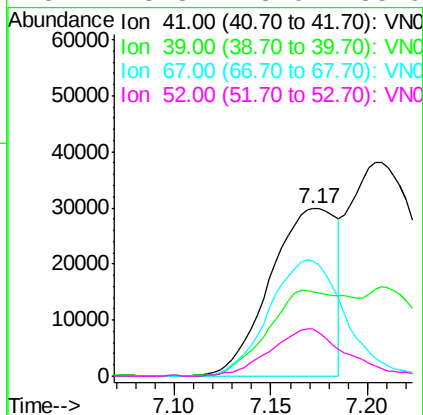
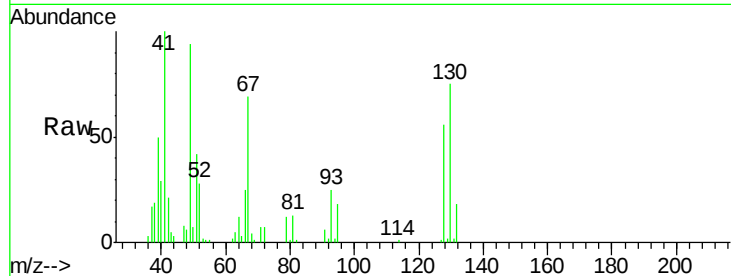
#35
Methacrylonitrile
Concen: 21.430 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.5	26.6	79.7
67	69.0	32.3	96.9
52	28.3	13.0	38.9

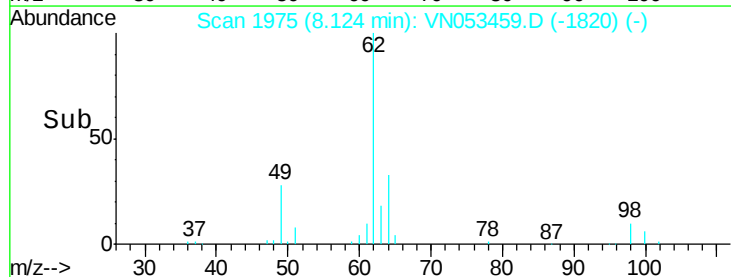
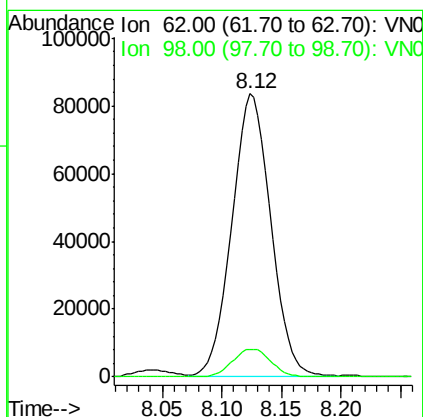
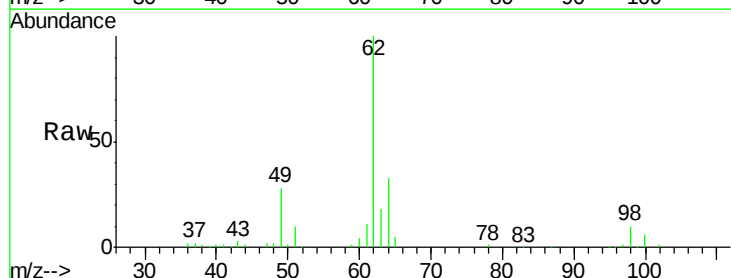
Manual Integrations
APPROVED

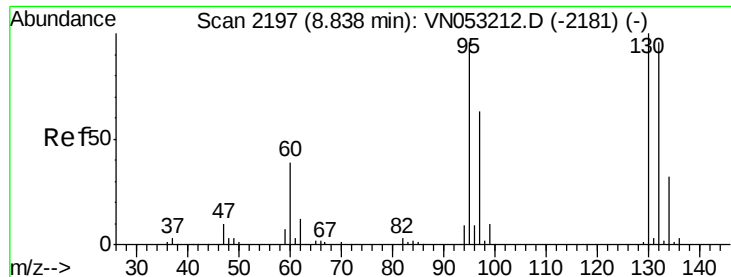
MMDadoda
1/21/2019 10:46:24 AM



#36
1,2-Dichloroethane
Concen: 21.011 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	7.4	11.2





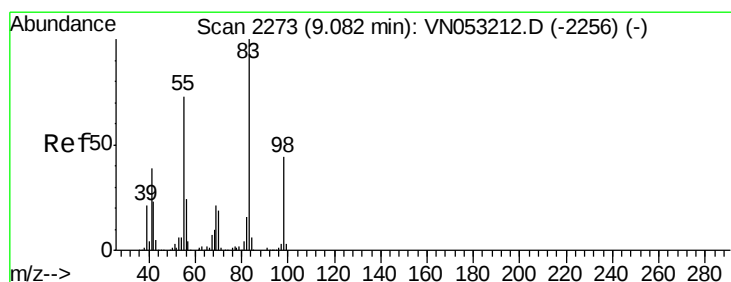
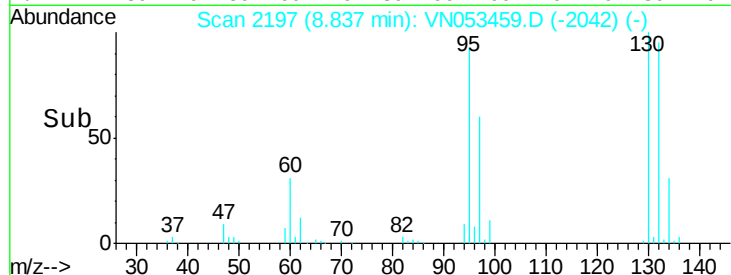
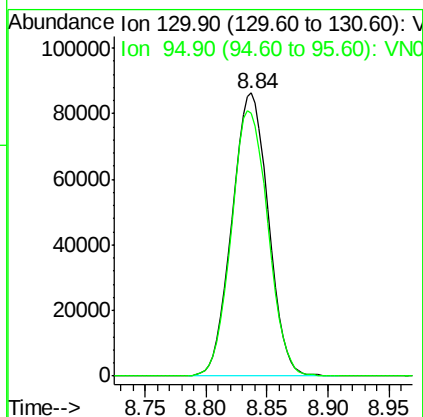
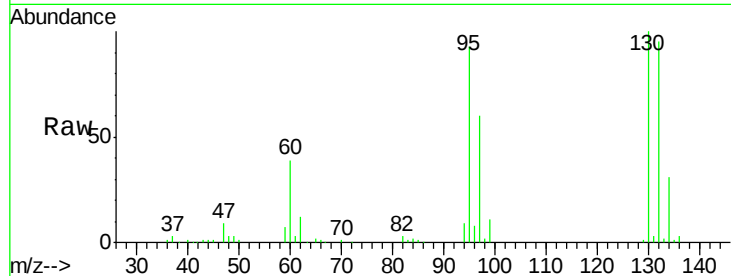
#37
 Trichloroethene
 Concen: 21.195 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 178301
 Ion Ratio Lower Upper
 130 100
 95 92.7 81.0 121.4

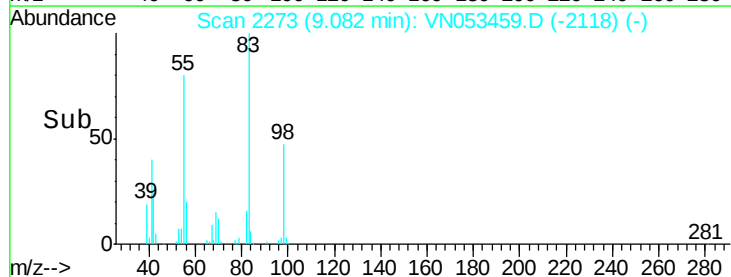
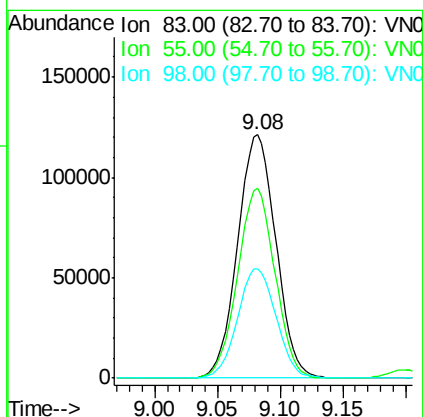
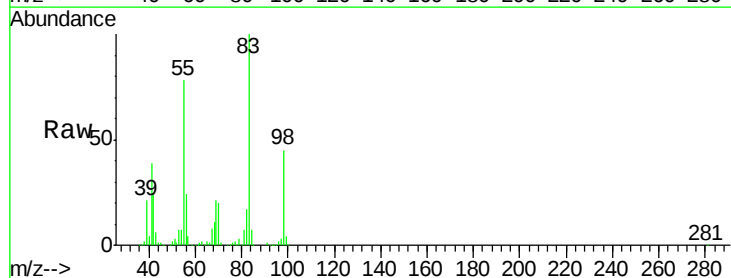
Manual Integrations
 APPROVED

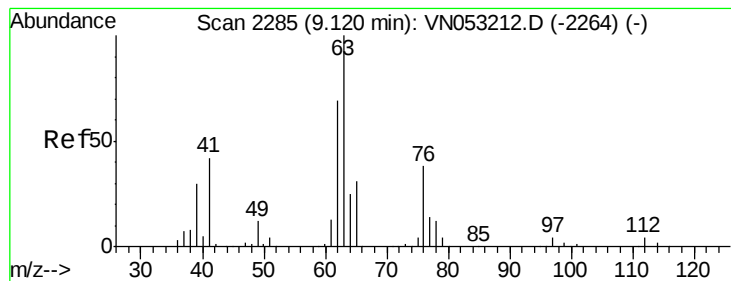
MMDadoda
 1/21/2019 10:46:24 AM



#38
 Methylcyclohexane
 Concen: 21.312 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Tgt Ion: 83 Resp: 257579
 Ion Ratio Lower Upper
 83 100
 55 76.1 39.8 119.4
 98 45.3 22.9 68.5





#39

1,2-Dichloropropane

Concen: 20.648 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 63 Resp: 167435

Ion Ratio Lower Upper

63 100

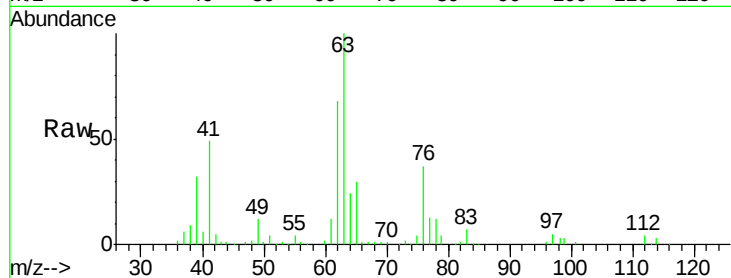
65 30.4 23.6 35.4

Manual Integrations

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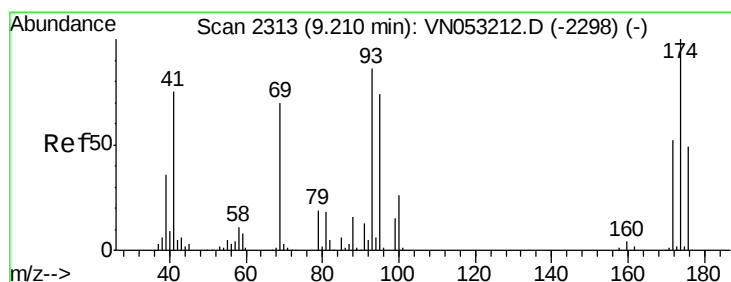
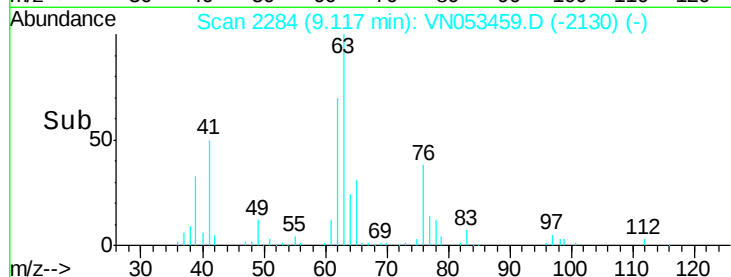
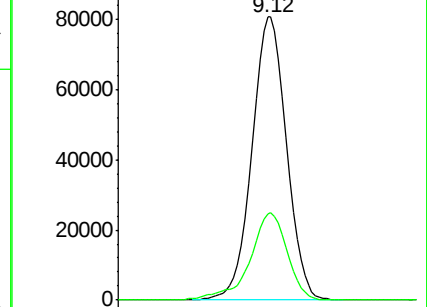
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.422 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

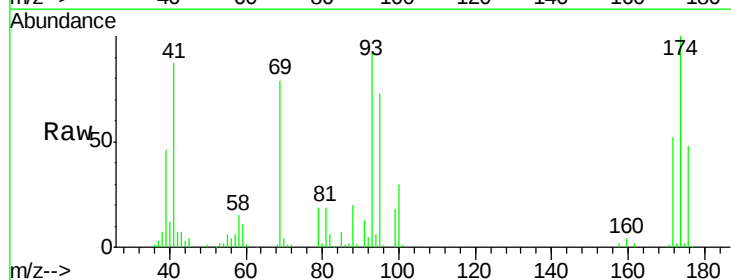
Tgt Ion: 93 Resp: 98240

Ion Ratio Lower Upper

93 100

95 81.6 0.0 168.4

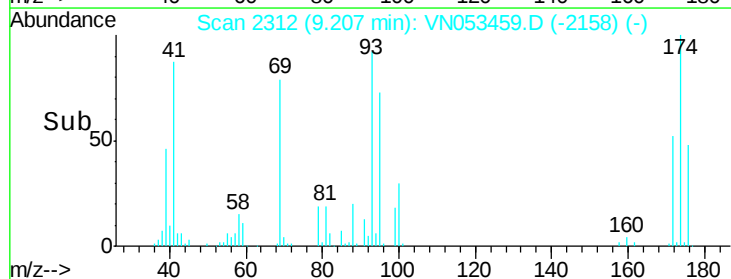
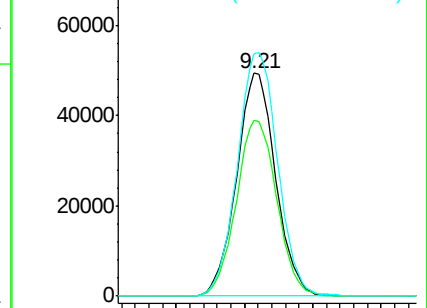
174 112.5 0.0 210.0

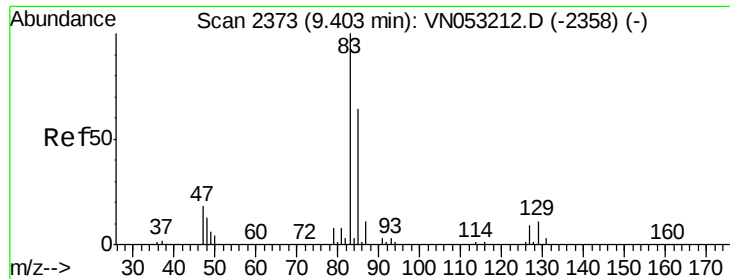


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.439 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

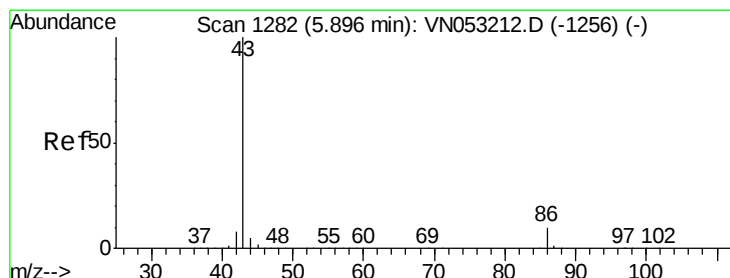
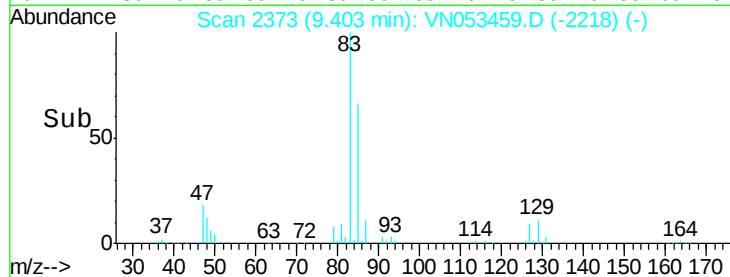
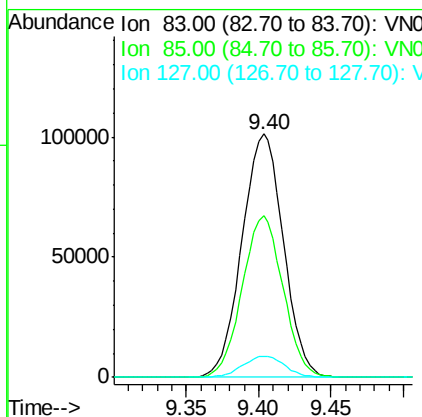
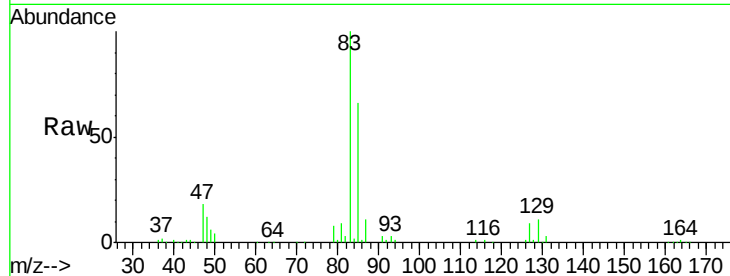
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	201288
Ion Ratio	Lower	Upper	
83	100		
85	66.2	52.4	78.6
127	8.8	6.6	9.8

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#42

Vinyl Acetate

Concen: 101.443 ug/l

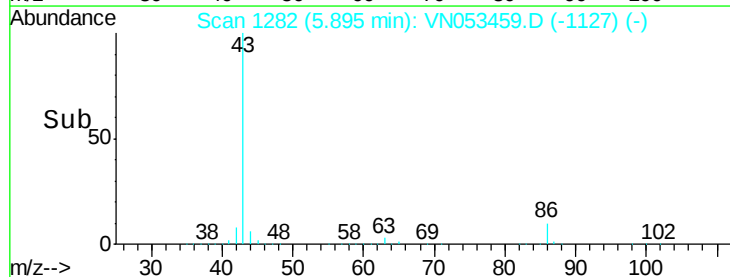
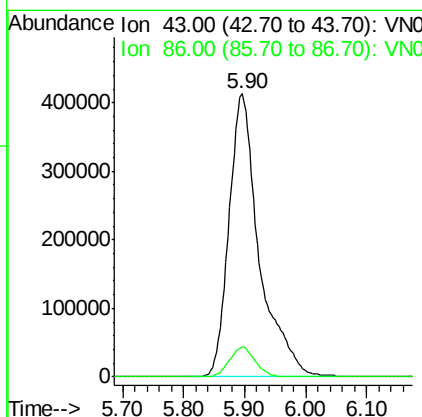
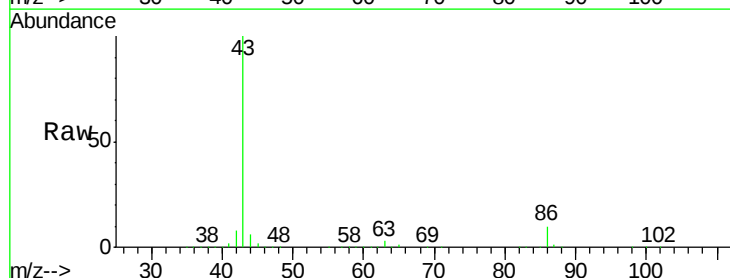
RT: 5.90 min Scan# 1282

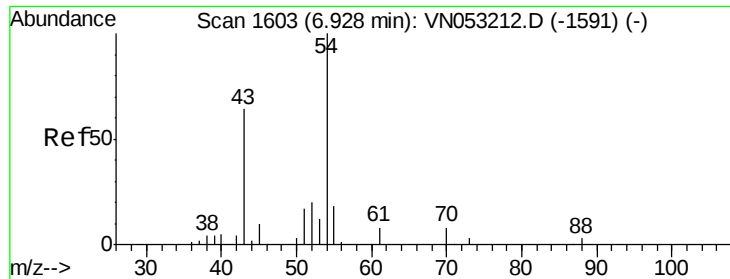
Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Tgt Ion:	43	Resp:	1426732
Ion Ratio	Lower	Upper	
43	100		
86	9.0	6.5	9.7





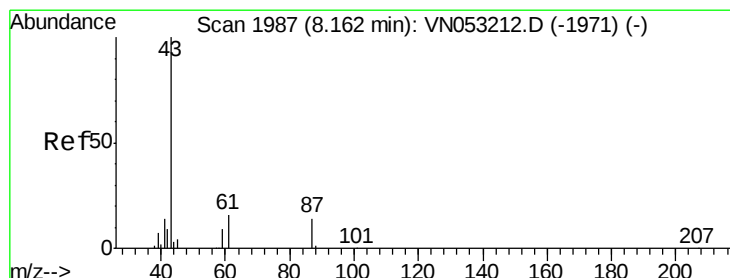
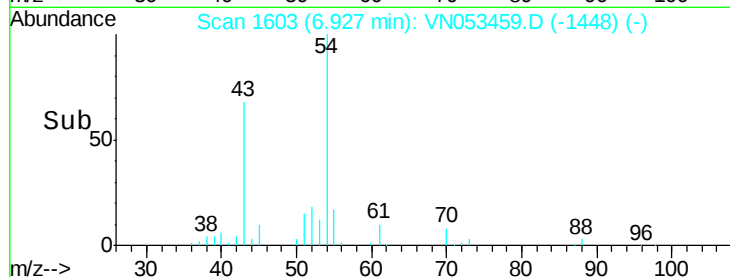
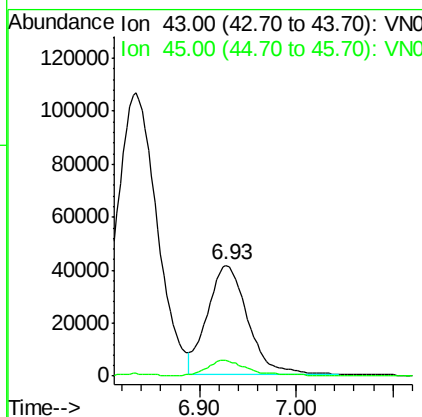
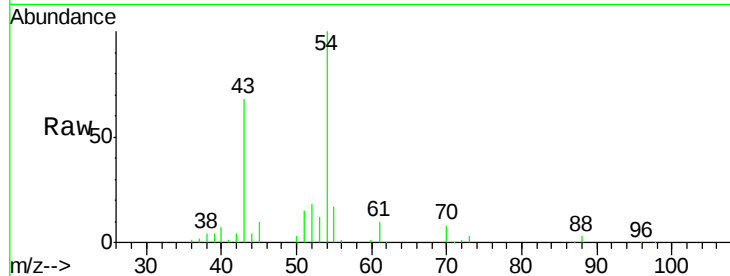
#43
Ethyl Acetate
Concen: 20.853 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 120051
Ion Ratio Lower Upper
43 100
45 14.7 1.0 1.6#

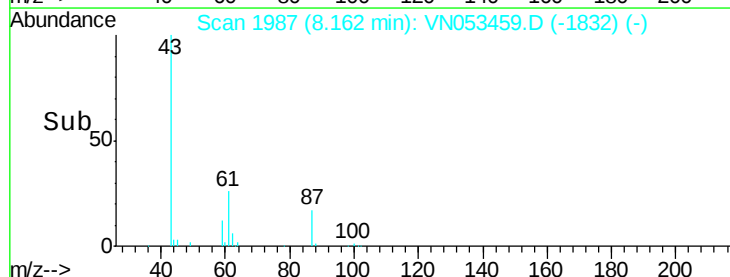
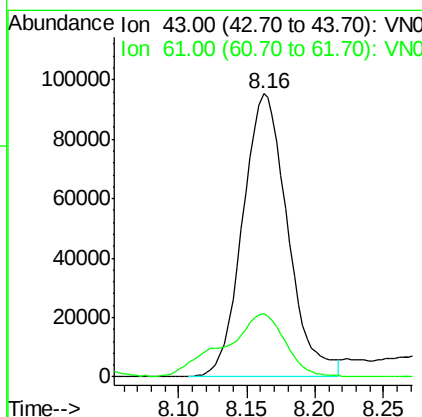
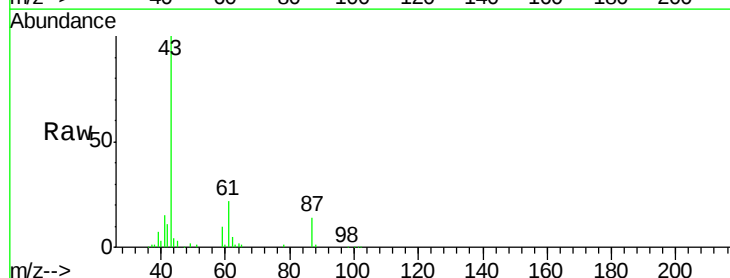
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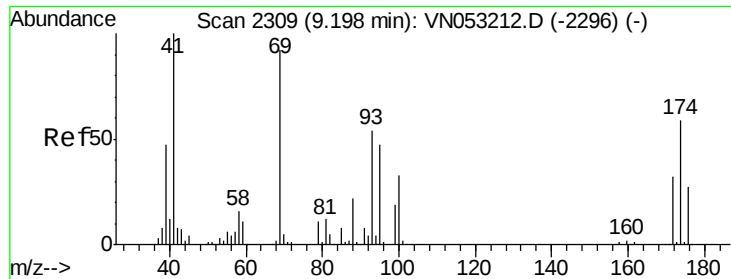
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#44
Isopropyl Acetate
Concen: 20.214 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion: 43 Resp: 216785
Ion Ratio Lower Upper
43 100
61 30.7 16.0 24.0#





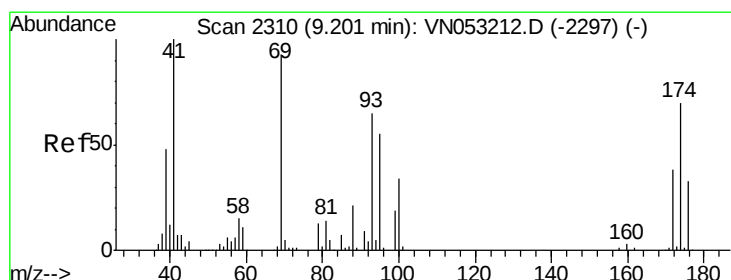
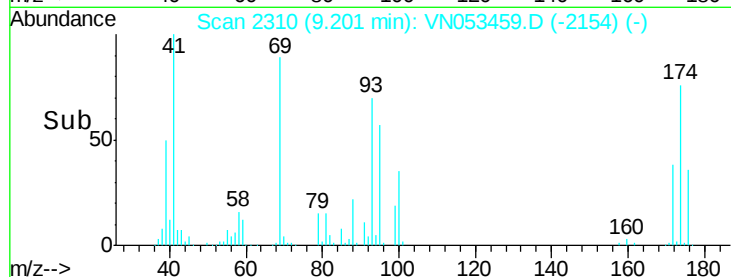
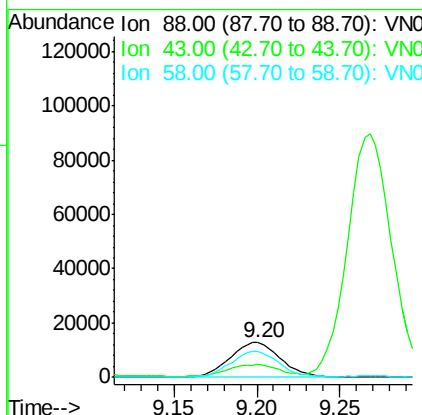
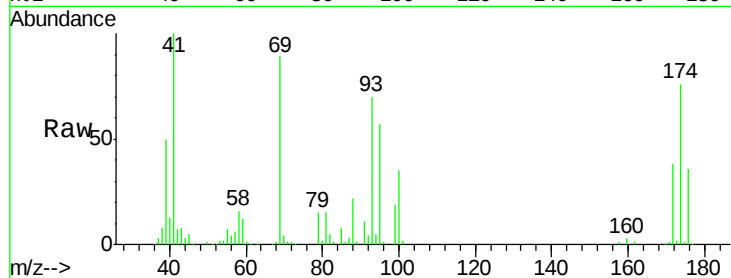
#45
1,4-Dioxane
Concen: 414.382 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	29.5	44.3
58	72.6	61.5	92.3

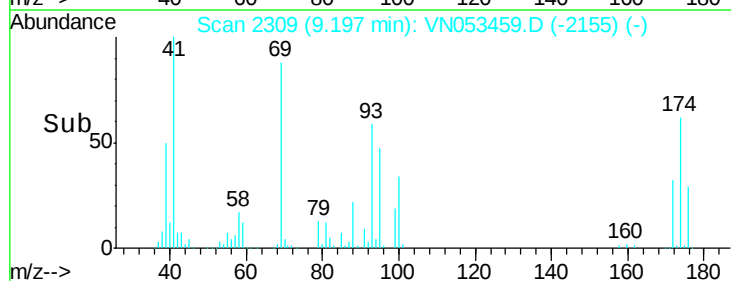
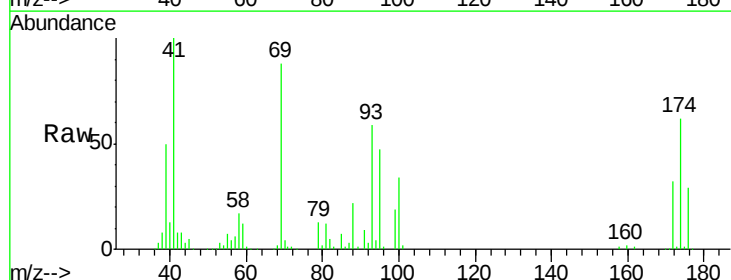
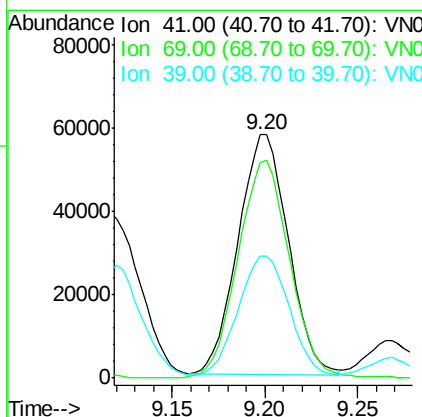
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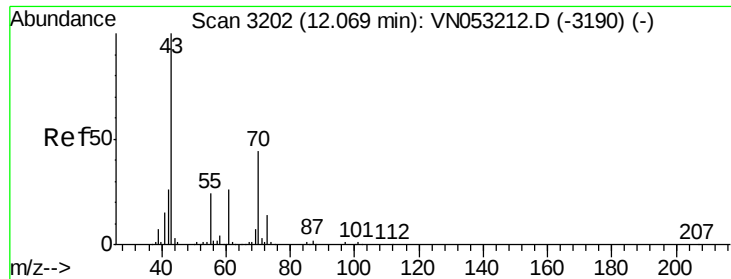
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#46
Methyl methacrylate
Concen: 19.968 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.8	42.5	127.6
39	49.7	26.3	78.9





#47

n-amyl Acetate

Concen: 20.435 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 43 Resp: 192459

Ion Ratio Lower Upper

43 100

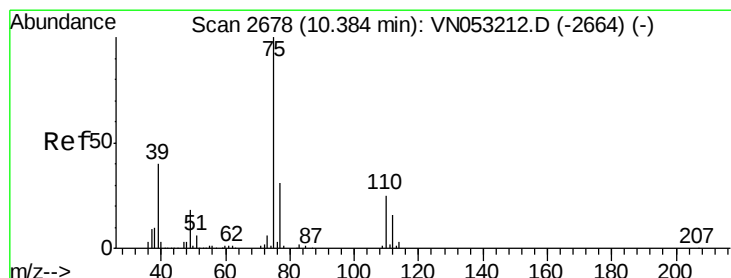
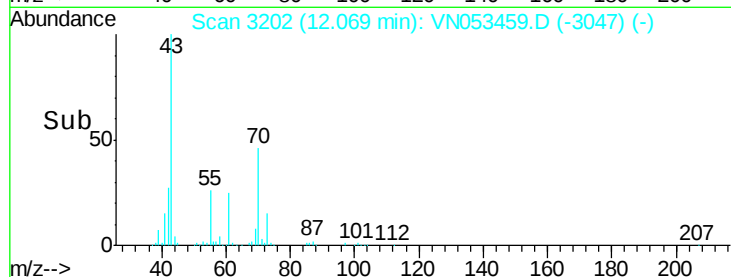
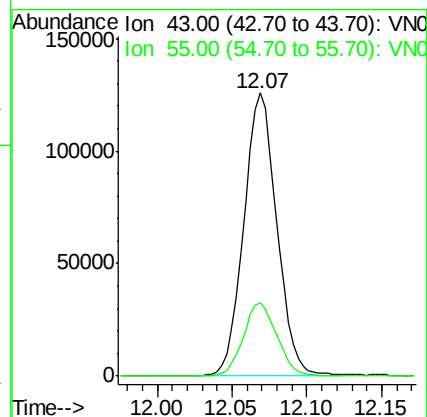
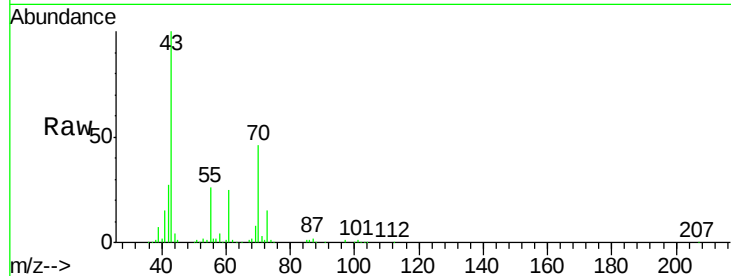
55 26.7 21.1 31.7

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#48

t-1,3-Dichloropropene

Concen: 20.277 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053459.D

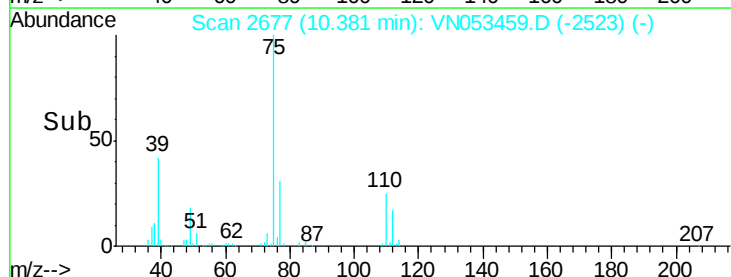
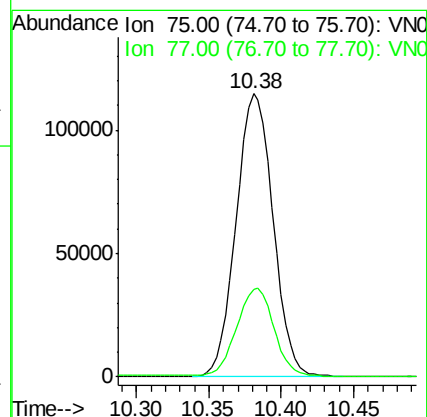
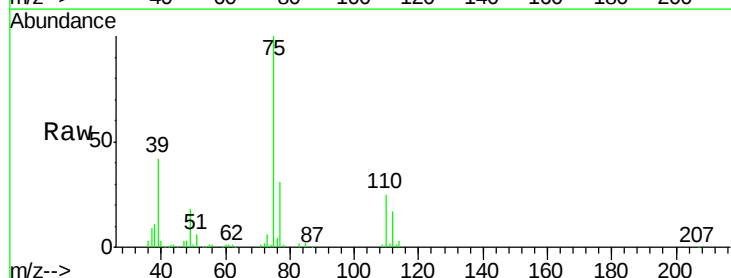
Acq: 18 Jan 2019 8:50

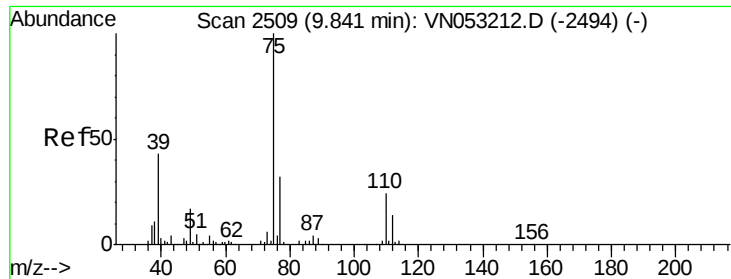
Tgt Ion: 75 Resp: 203822

Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4





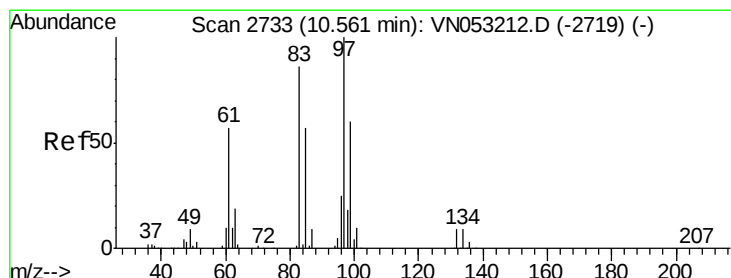
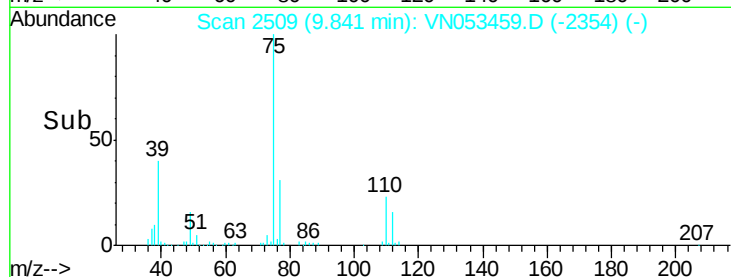
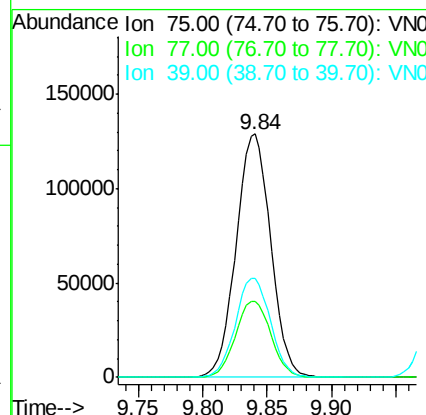
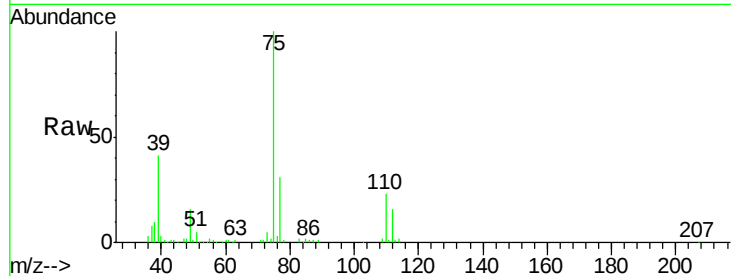
#49
 cis-1,3-Dichloropropene
 Concen: 20.305 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	40.5	37.3	55.9

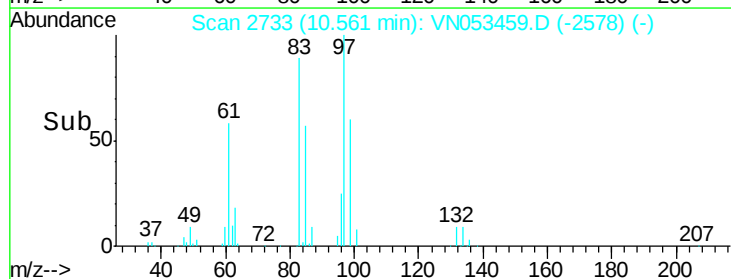
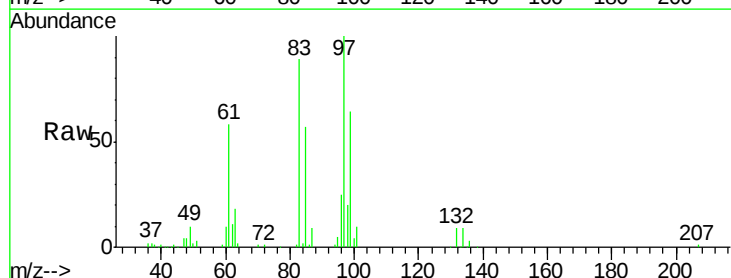
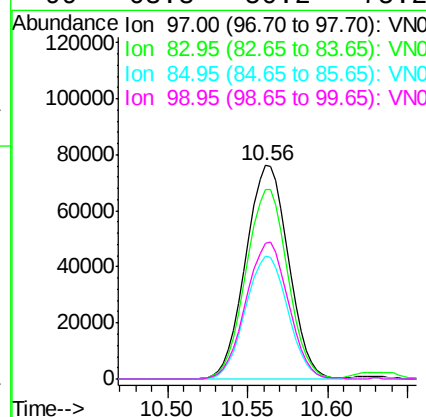
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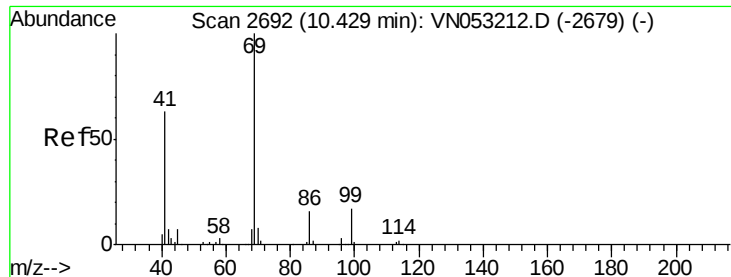
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#50
 1,1,2-Trichloroethane
 Concen: 21.234 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.4	105.6
85	57.4	45.0	67.6
99	63.8	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.237 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

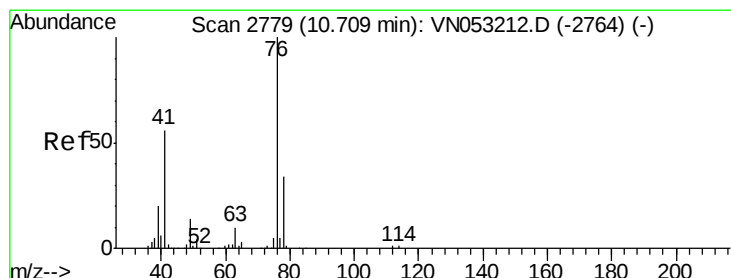
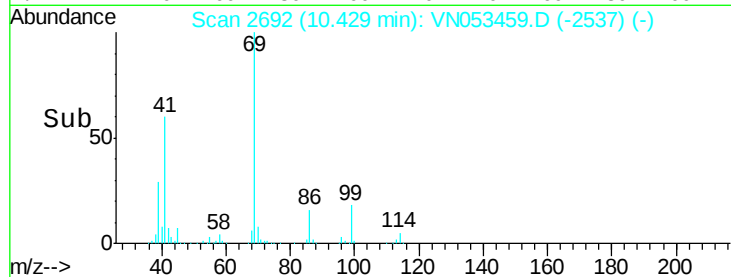
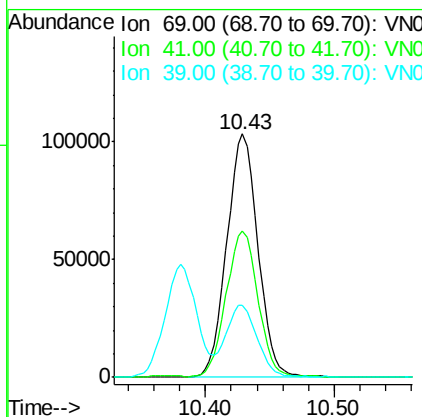
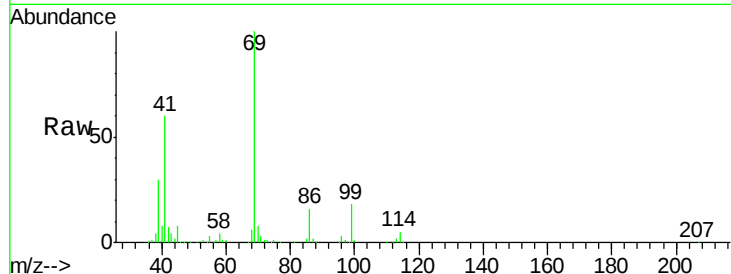
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	173428
Ion Ratio	Lower	Upper	
69	100		
41	60.0	34.4	103.3
39	29.3	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.918 ug/l

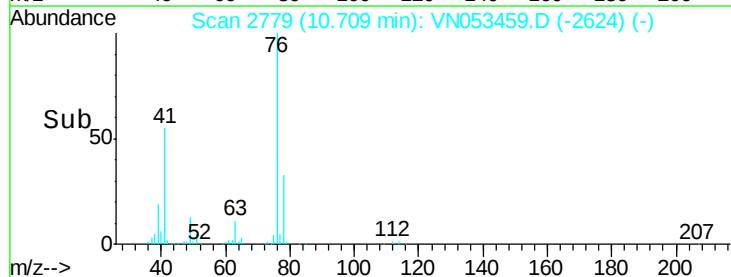
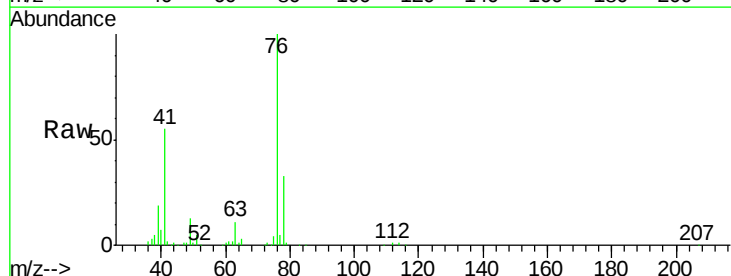
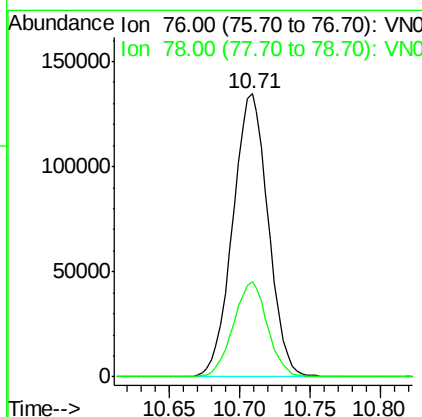
RT: 10.71 min Scan# 2779

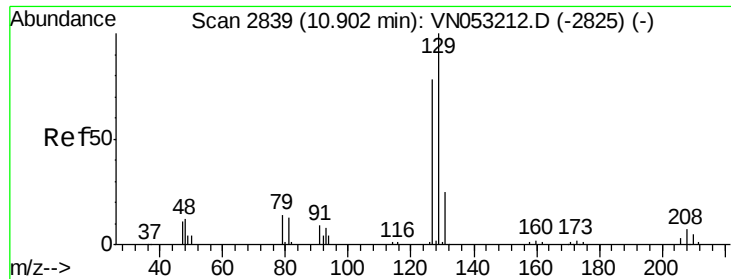
Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Tgt Ion:	76	Resp:	236937
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	64.8





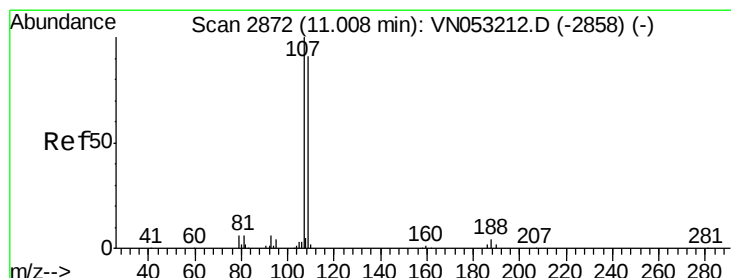
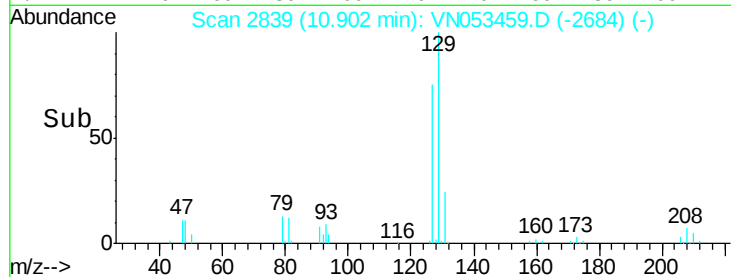
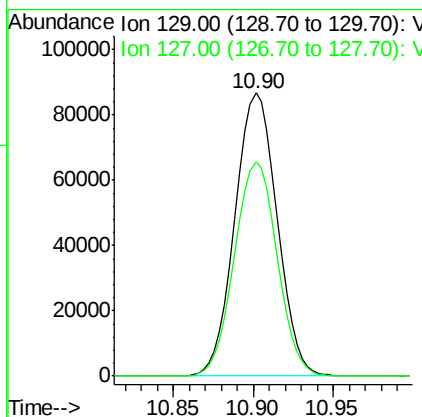
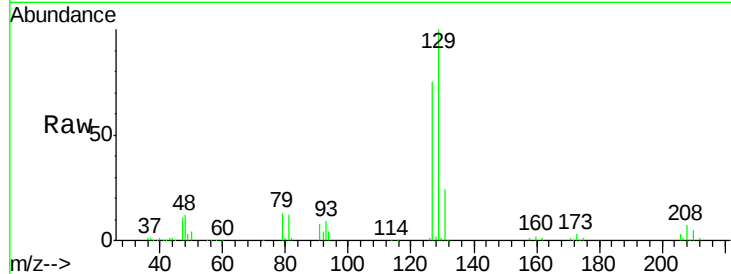
#53
 Dibromochloromethane
 Concen: 21.182 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:129 Resp: 156426
 Ion Ratio Lower Upper
 129 100
 127 76.5 37.6 112.8

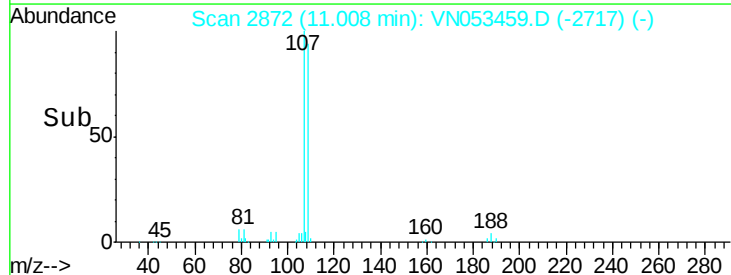
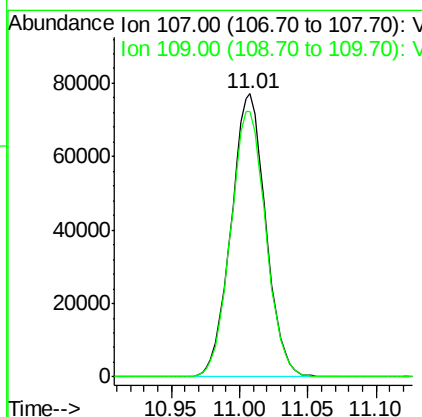
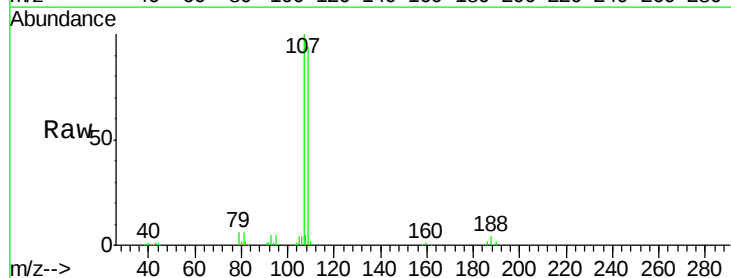
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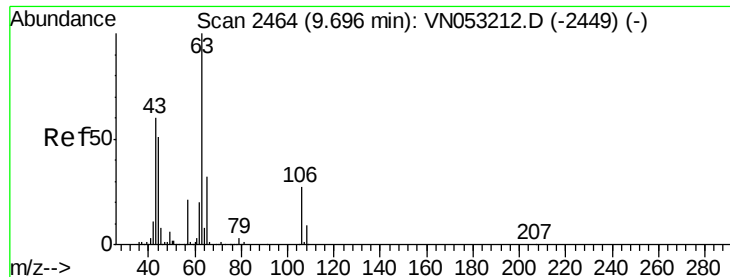
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#54
 1,2-Dibromoethane
 Concen: 20.502 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Tgt Ion:107 Resp: 135992
 Ion Ratio Lower Upper
 107 100
 109 95.3 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 93.431 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

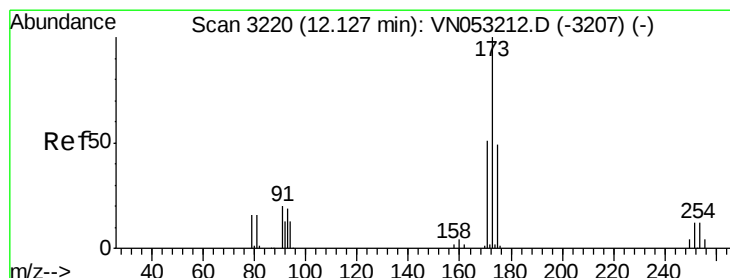
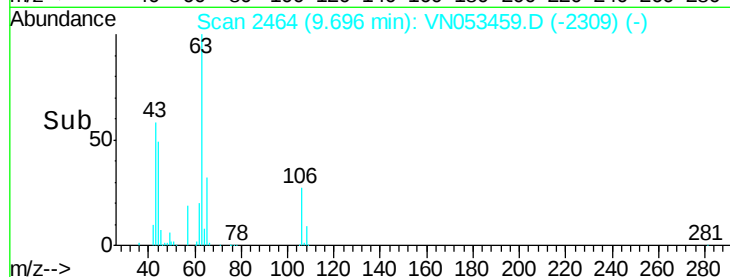
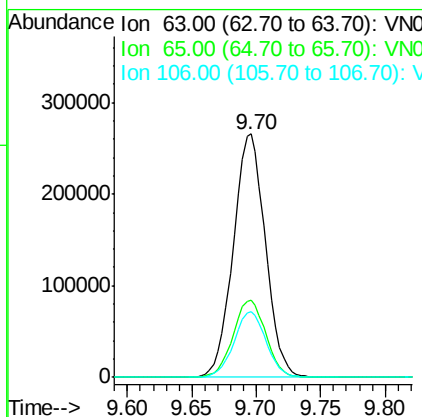
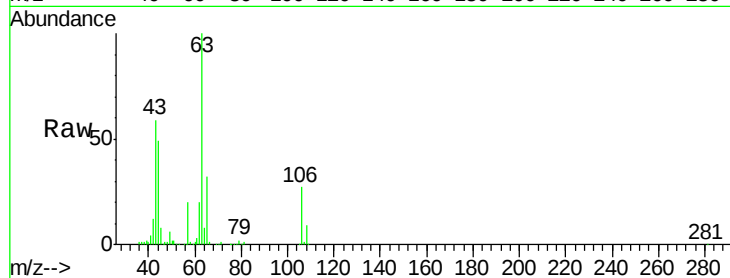
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	459497
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.4	38.2
106	27.2	20.4	30.6

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#56

Bromoform

Concen: 21.433 ug/l

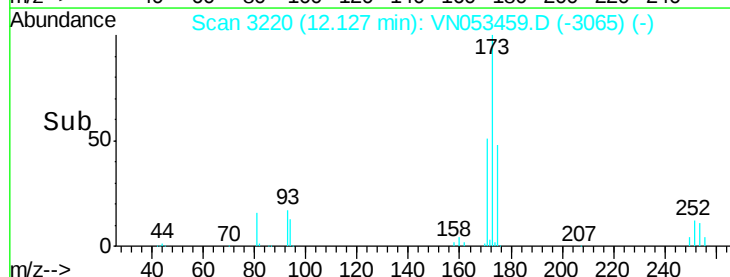
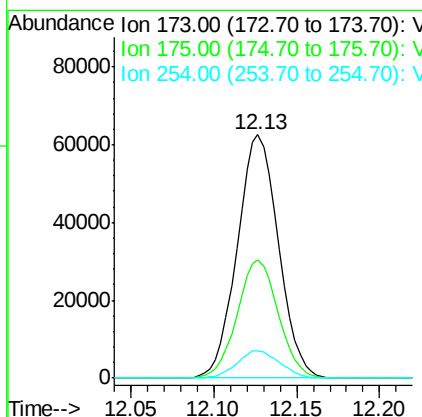
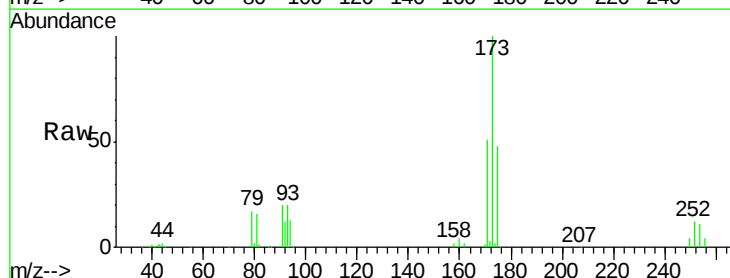
RT: 12.13 min Scan# 3220

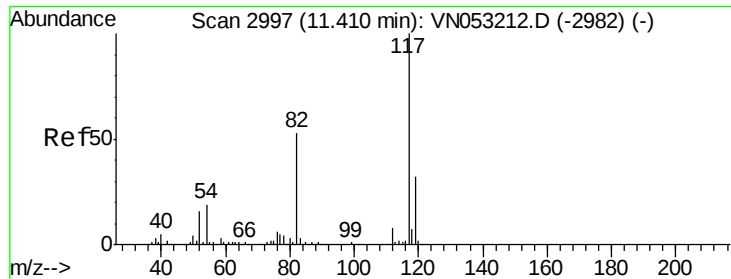
Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Tgt Ion:	173	Resp:	108279
Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.7	58.1
254	11.6	8.4	12.6





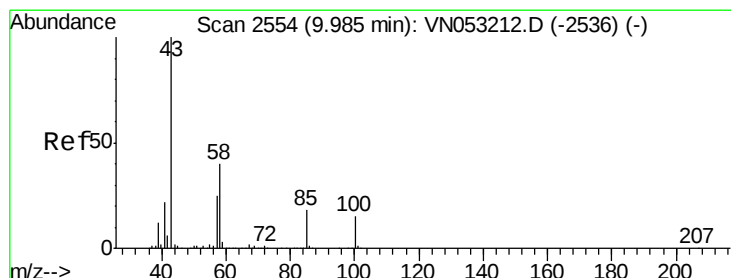
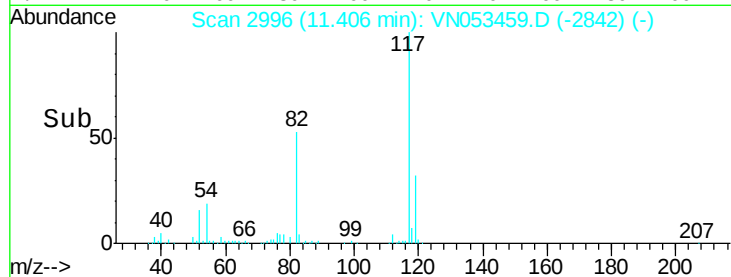
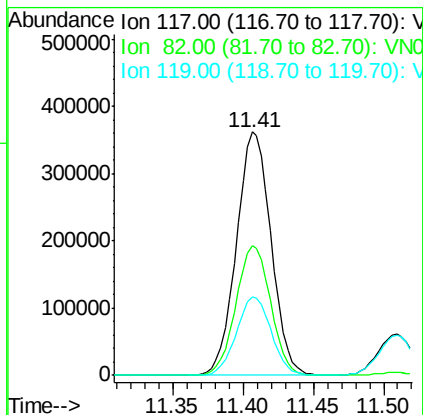
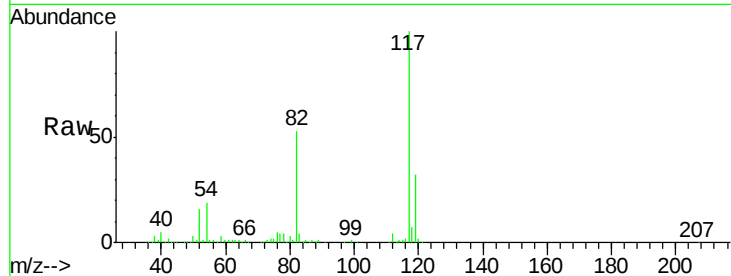
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.5	44.2	66.2
119	32.3	25.4	38.2

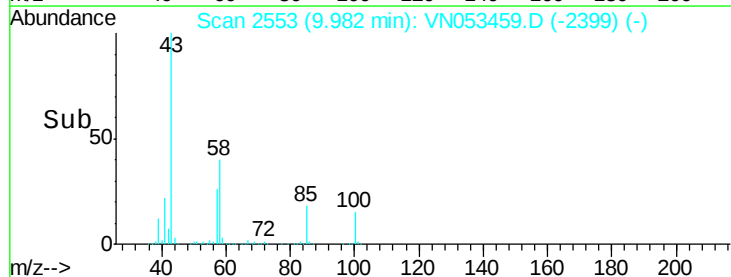
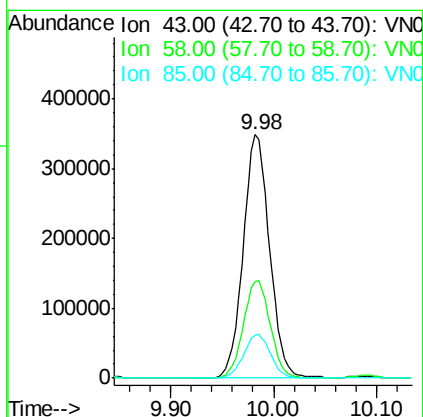
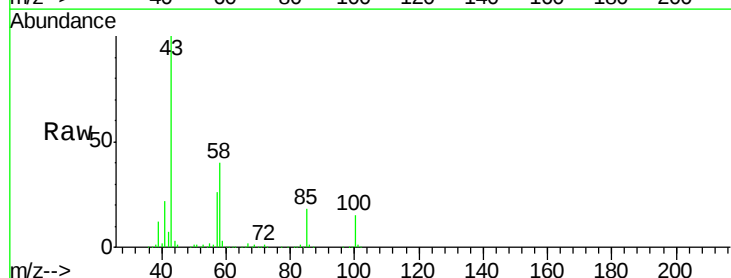
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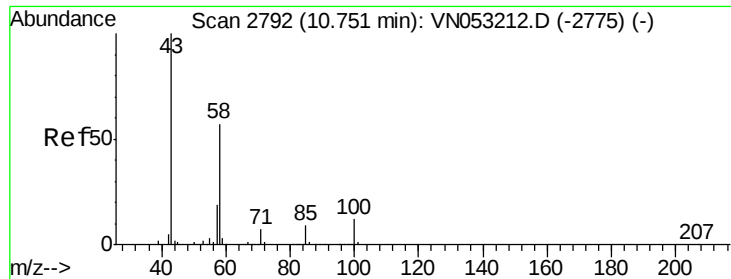
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#58
4-Methyl-2-Pentanone
Concen: 103.939 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	40.8	31.6	47.4
85	18.3	13.3	19.9





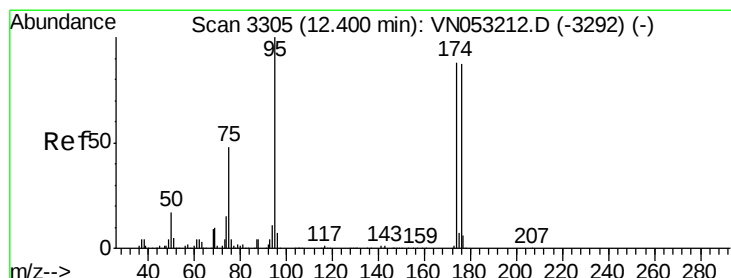
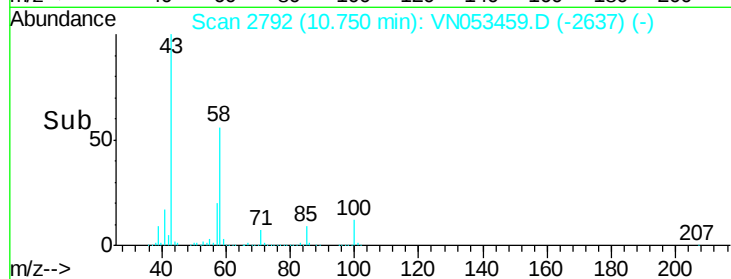
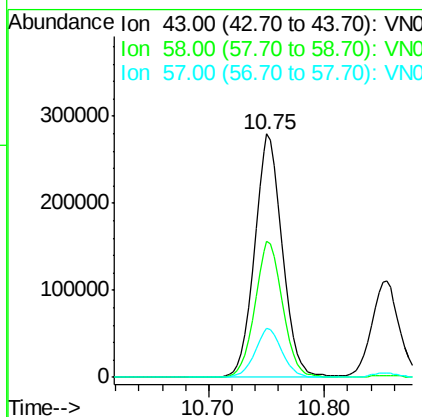
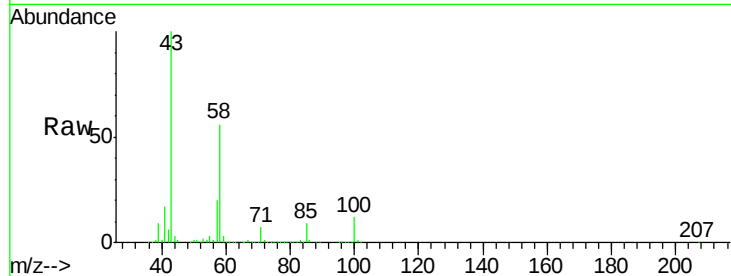
#59
2-Hexanone
Concen: 113.676 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	43.2	64.8
57	19.7	14.9	22.3

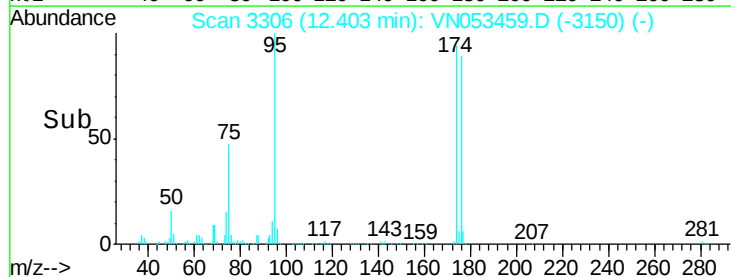
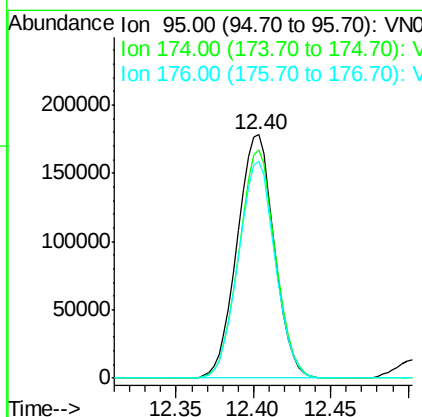
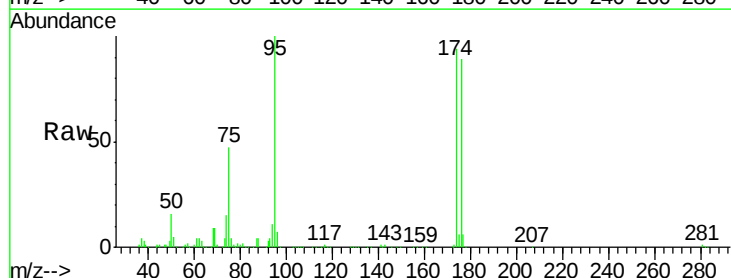
Manual Integrations
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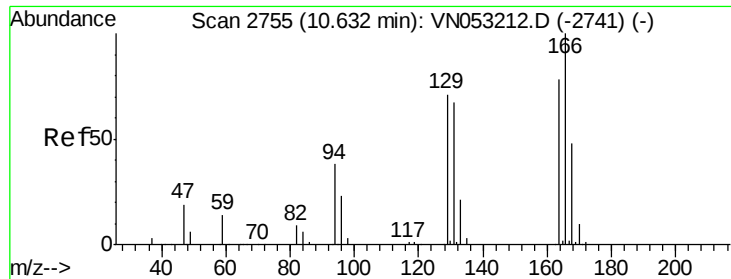
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 113.676 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	67.9	101.9
176	88.1	66.4	99.6





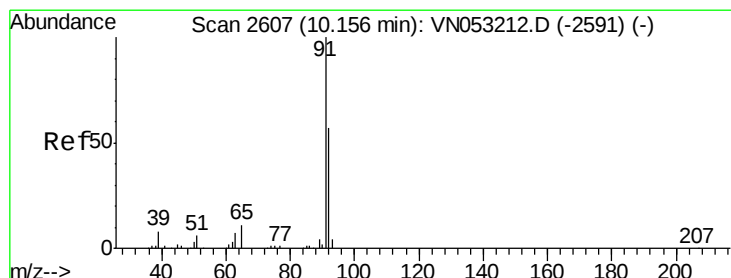
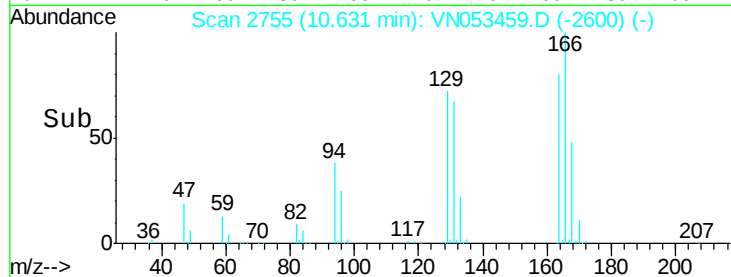
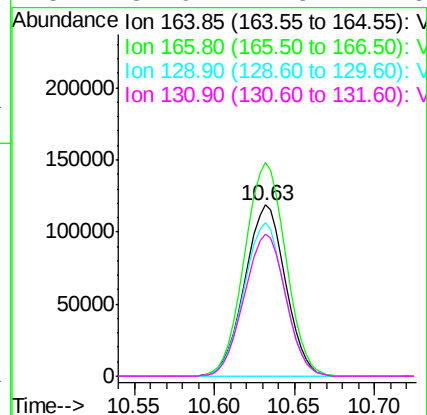
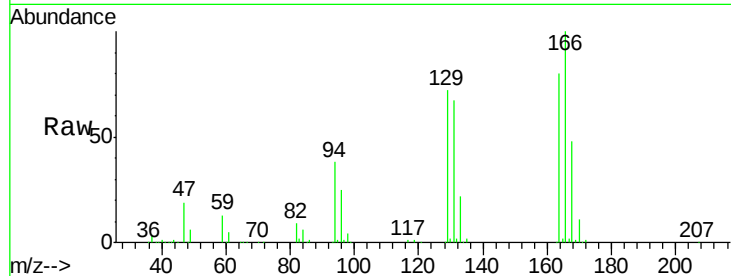
#61
Tetrachloroethene
Concen: 22.427 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	124.6	104.6	157.0	
129	89.8	75.3	112.9	
131	82.9	74.3	111.5	

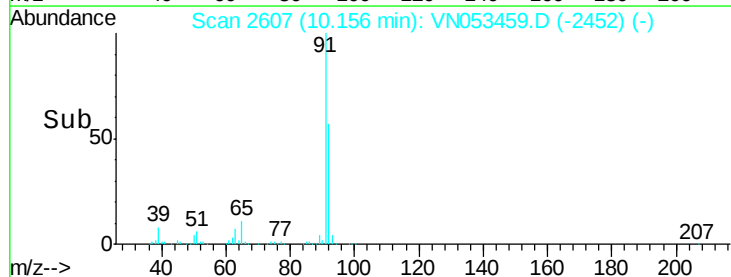
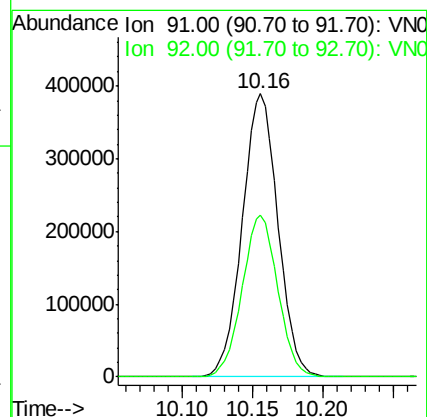
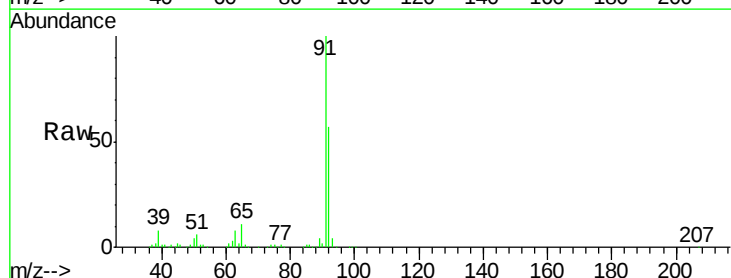
Manual Integrations
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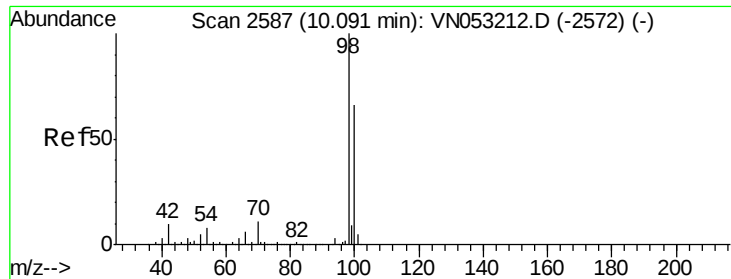
MMDadoda
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#62
Toluene
Concen: 20.216 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	57.2	45.4	68.2	





#63

Toluene-d8

Concen: 20.216 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 839475

Ion Ratio Lower Upper

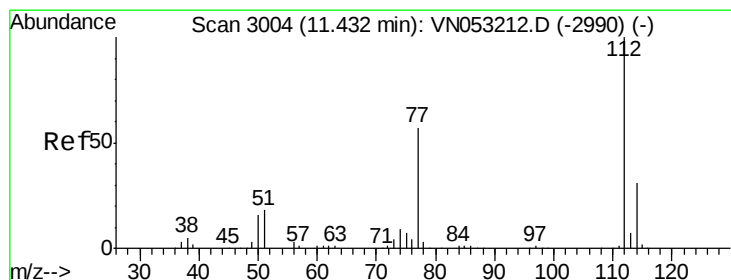
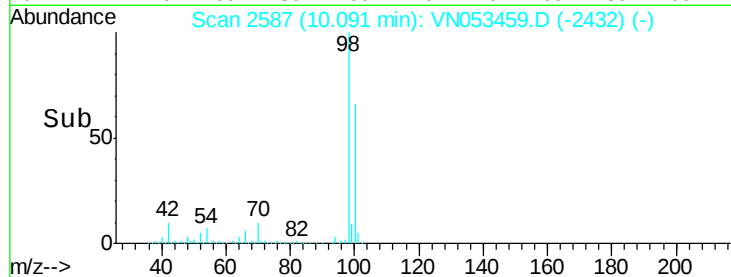
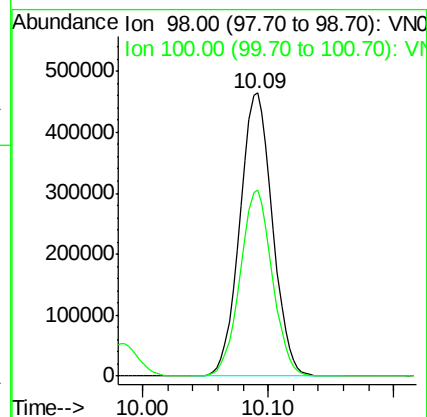
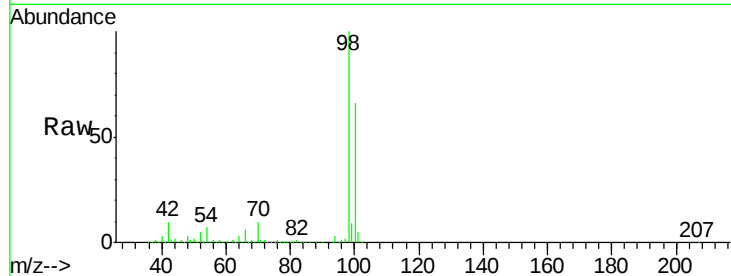
98 100

100 64.4 51.1 76.7

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#64

Chlorobenzene

Concen: 20.534 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053459.D

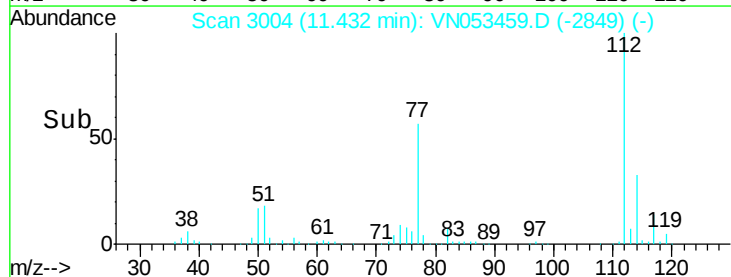
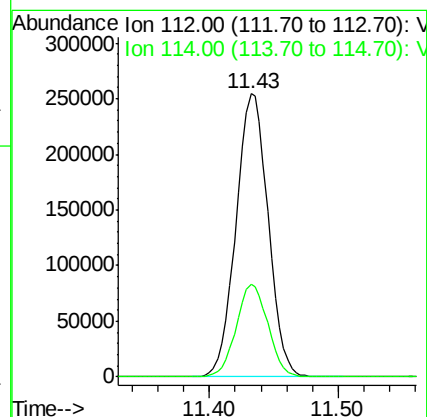
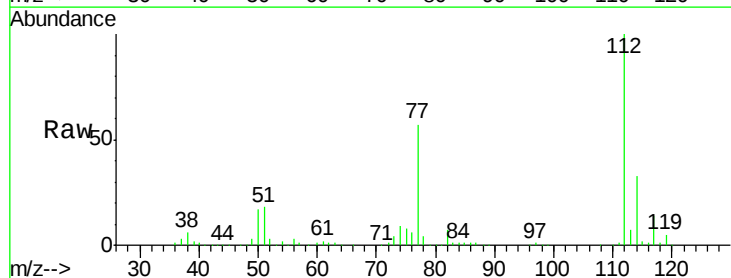
Acq: 18 Jan 2019 8:50

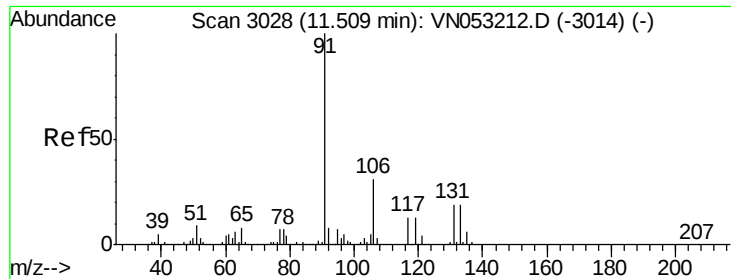
Tgt Ion: 112 Resp: 440191

Ion Ratio Lower Upper

112 100

114 32.7 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.732 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

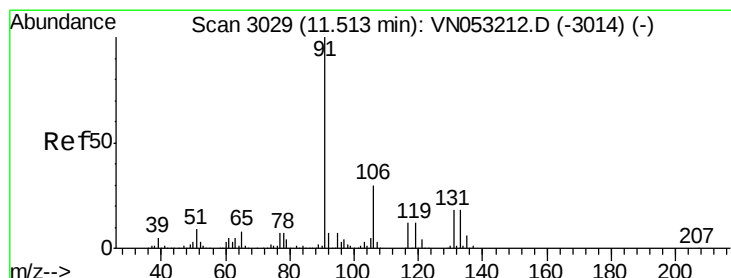
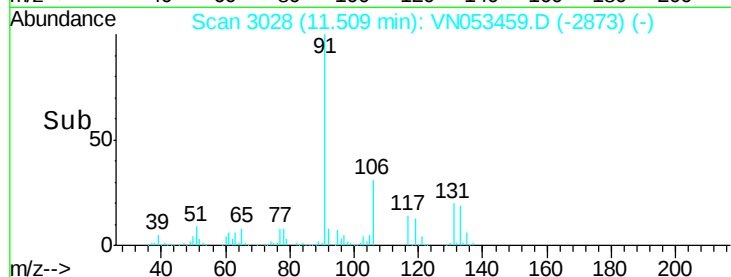
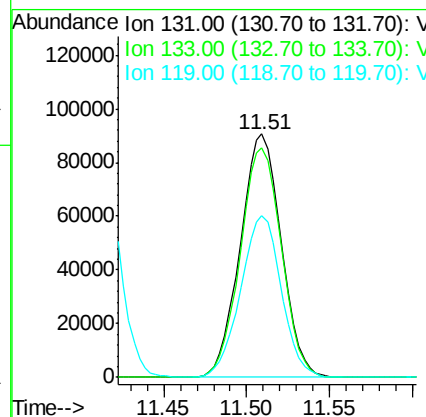
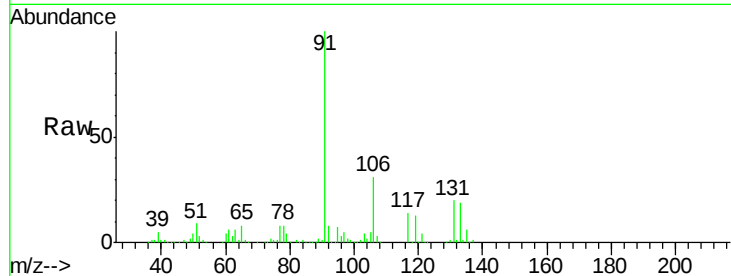
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	155897
Ion Ratio	Lower	Upper	
131	100		
133	94.8	0.0	193.4
119	65.9	0.0	133.0

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#66

Ethyl Benzene

Concen: 20.138 ug/l

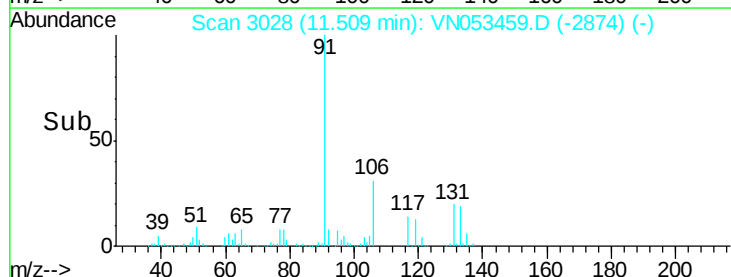
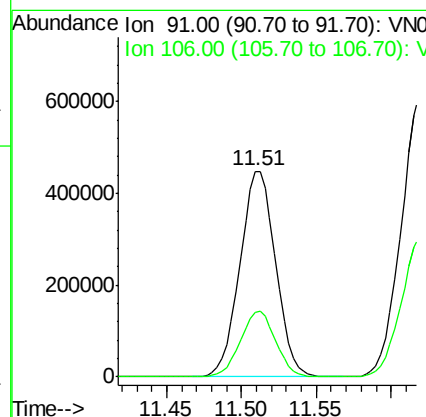
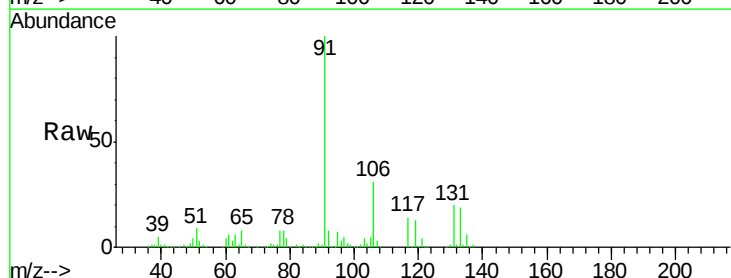
RT: 11.51 min Scan# 3028

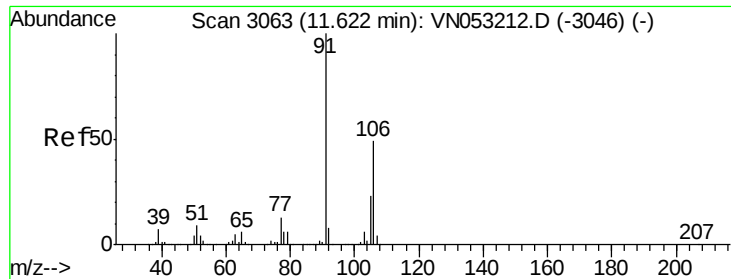
Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Tgt Ion:	91	Resp:	746023
Ion Ratio	Lower	Upper	
91	100		
106	31.2	24.3	36.5





#67

m/p-Xylenes

Concen: 41.962 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 587916

Ion Ratio Lower Upper

106 100

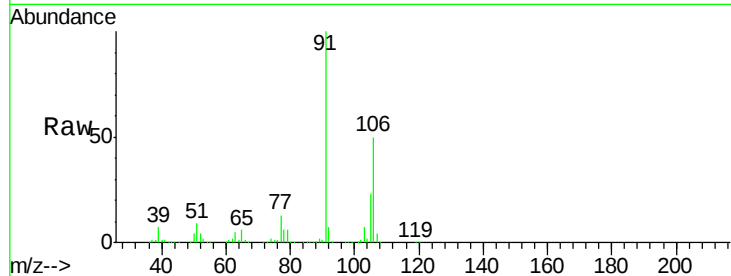
91 200.9 163.9 245.9

Manual Integrations

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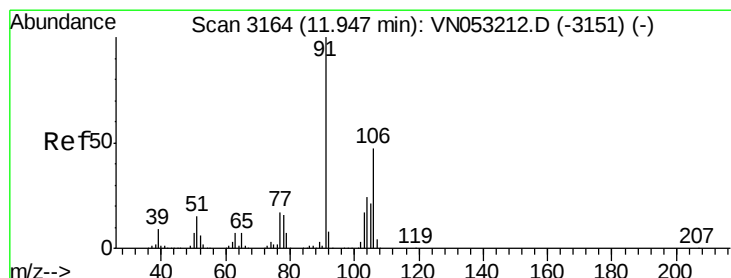
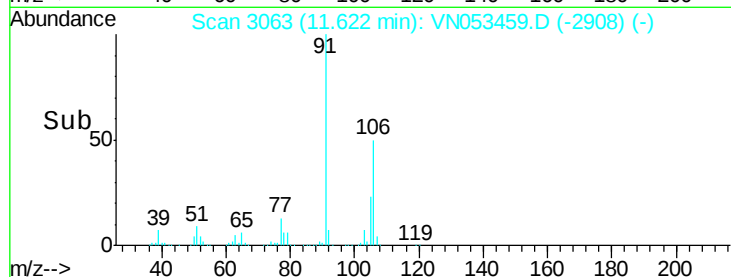
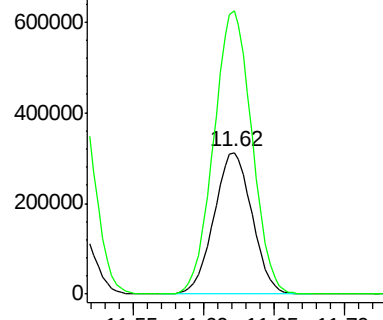
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.704 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053459.D

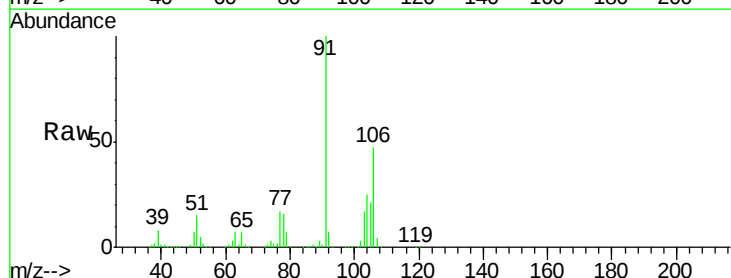
Acq: 18 Jan 2019 8:50

Tgt Ion:106 Resp: 281099

Ion Ratio Lower Upper

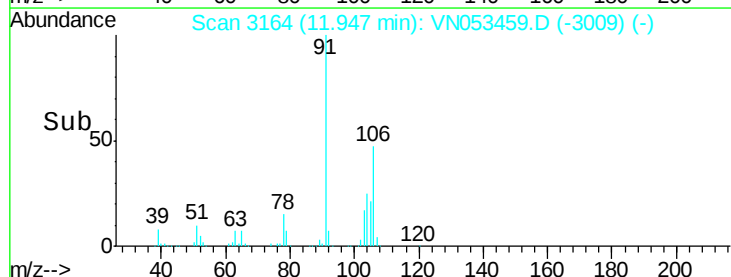
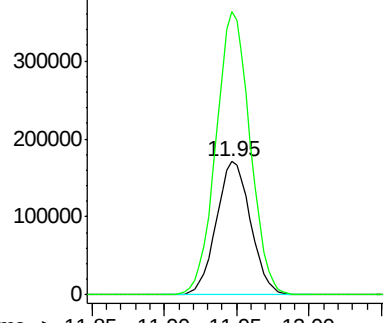
106 100

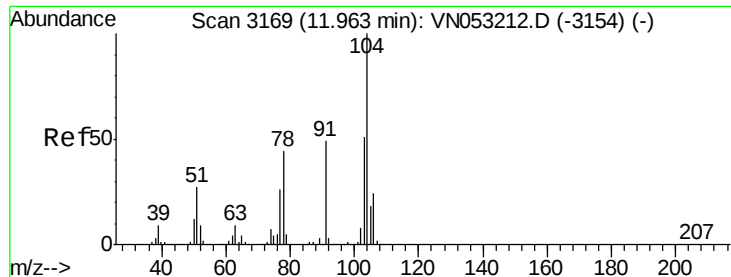
91 211.4 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





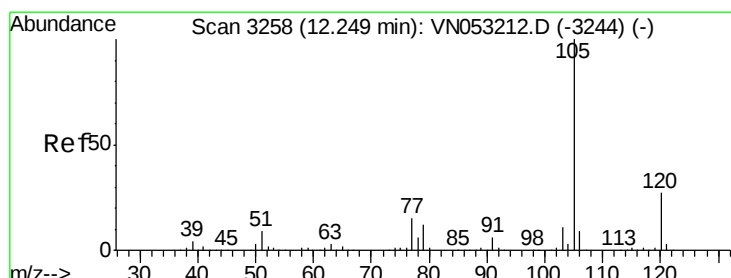
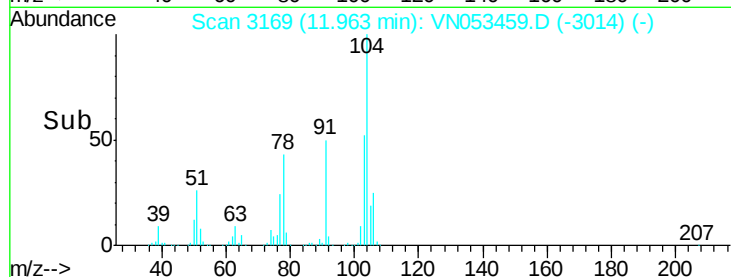
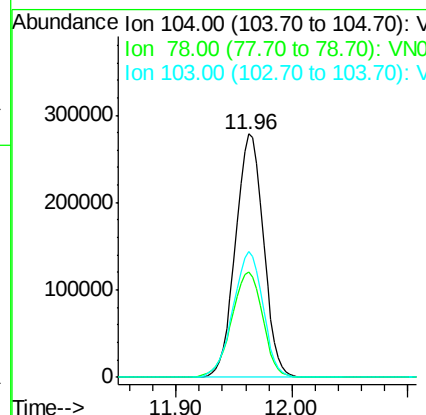
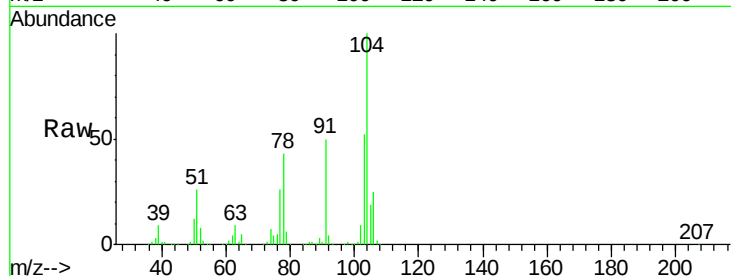
#69
Stvrene
Concen: 21.009 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.3	58.9
103	55.3	44.6	66.8

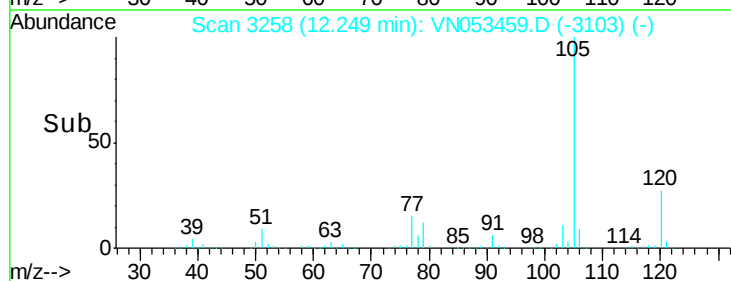
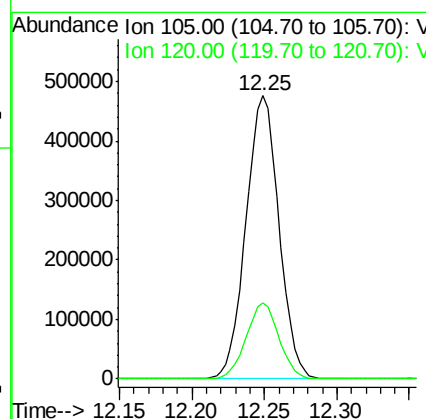
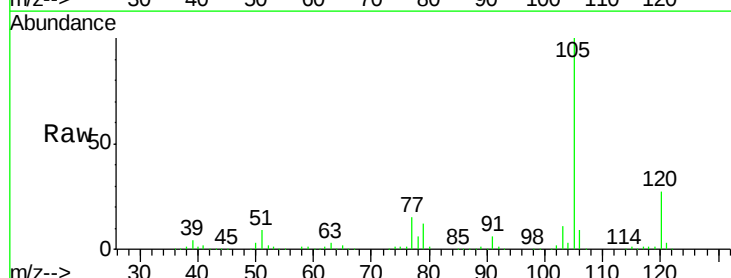
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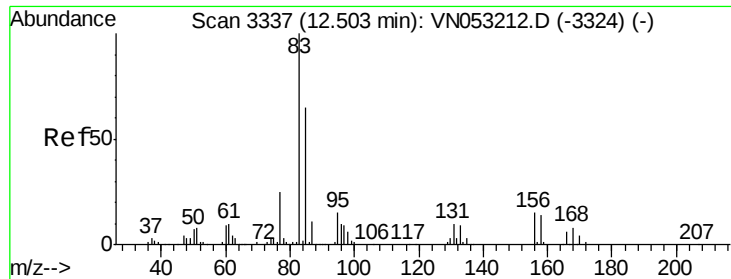
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#70
Isopropylbenzene
Concen: 21.094 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.6	34.6





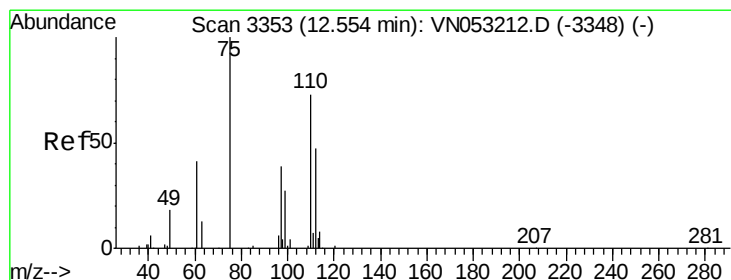
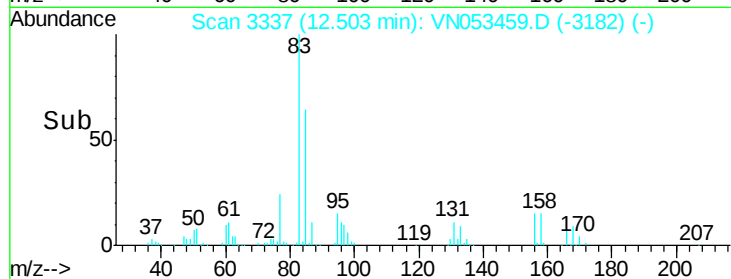
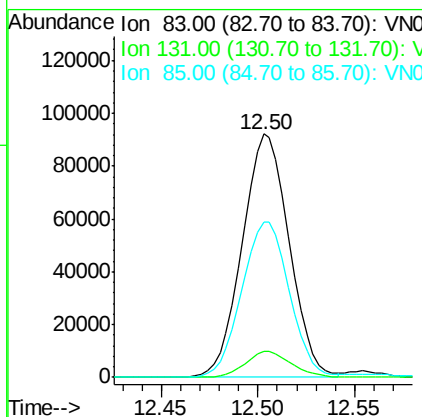
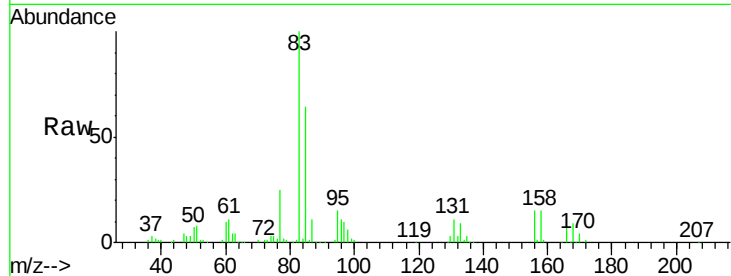
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.695 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.5	4.9	14.6	
85	64.8	32.2	96.6	

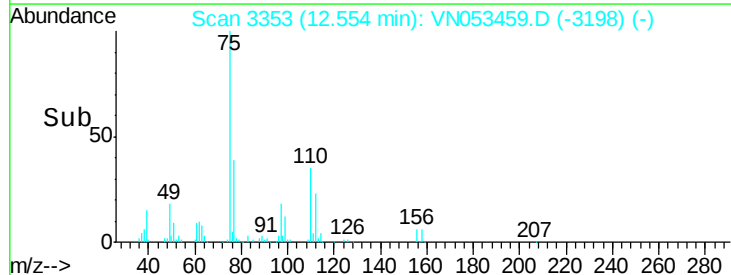
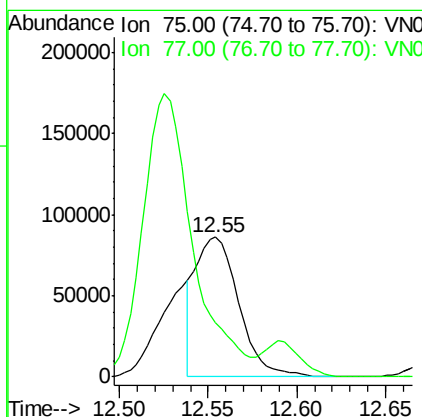
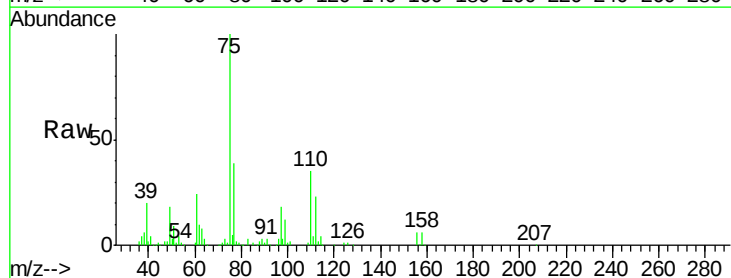
Manual Integrations
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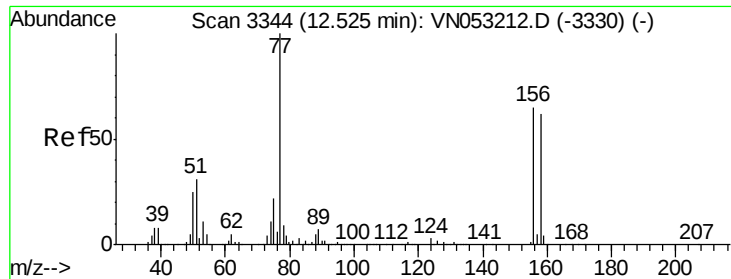
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#72
 1,2,3-Trichloropropane
 Concen: 22.188 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	234.3	0.0	514.8	





#73

Bromobenzene

Concen: 21.489 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

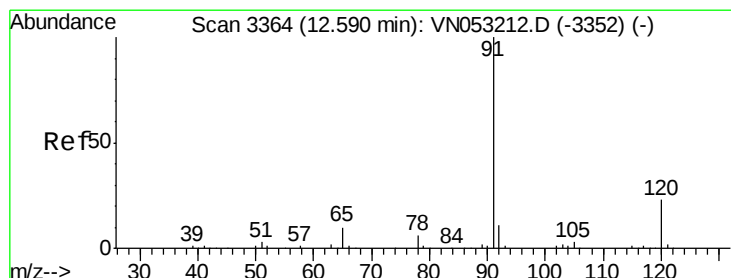
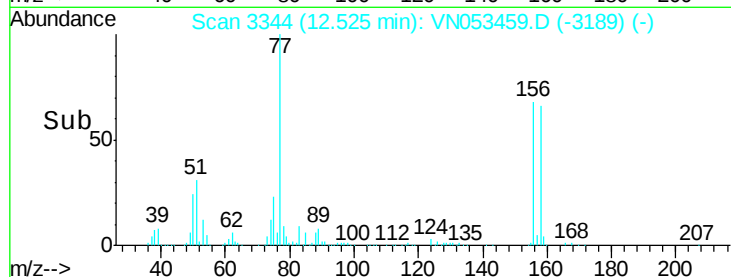
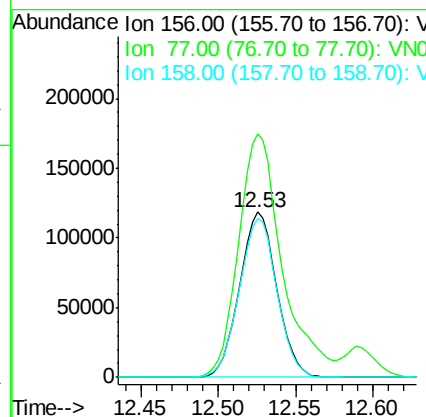
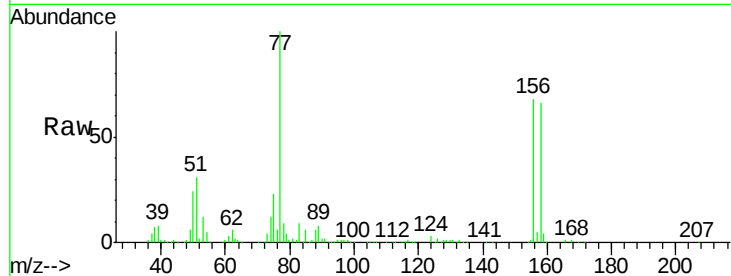
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
156	100	197317		
77	173.5	0.0	382.6	
158	97.7	0.0	196.8	

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#74

n-propylbenzene

Concen: 21.952 ug/l

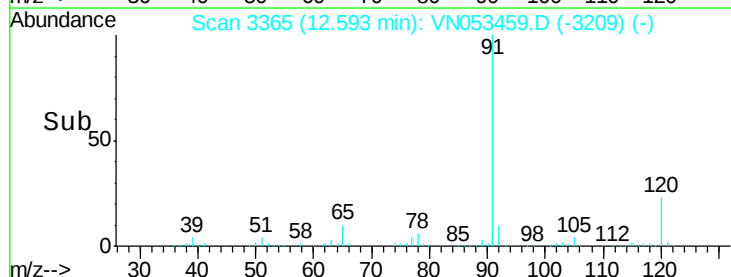
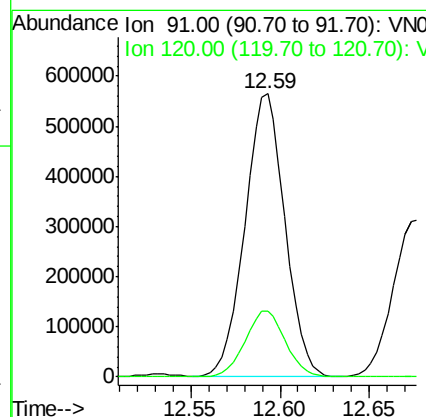
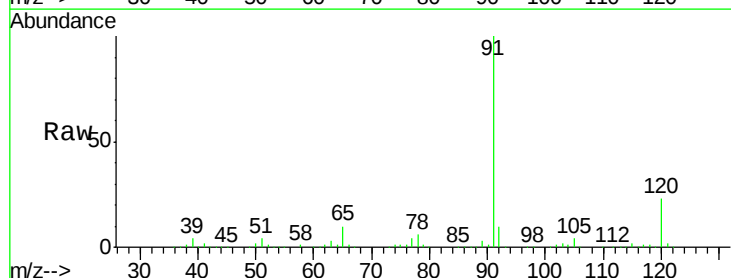
RT: 12.59 min Scan# 3365

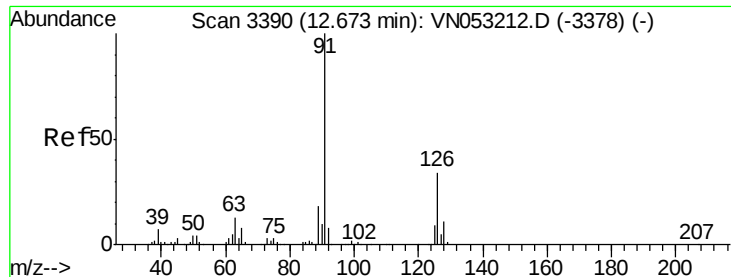
Delta R.T. 0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	887678		
120	23.4	0.0	44.6	





#75

2-Chlorotoluene

Concen: 21.528 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 515551

Ion Ratio Lower Upper

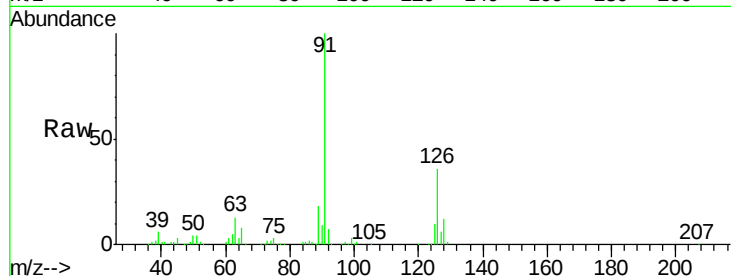
91 100

126 35.4 0.0 68.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN053212.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN053212.D (-3378) (-)

600000

500000

400000

300000

200000

100000

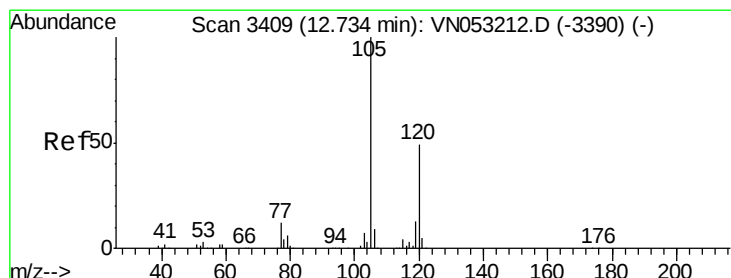
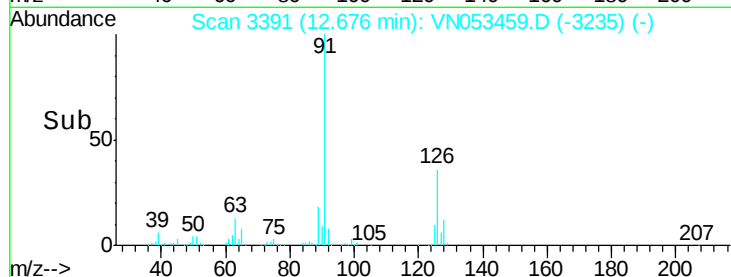
0

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 22.376 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053459.D

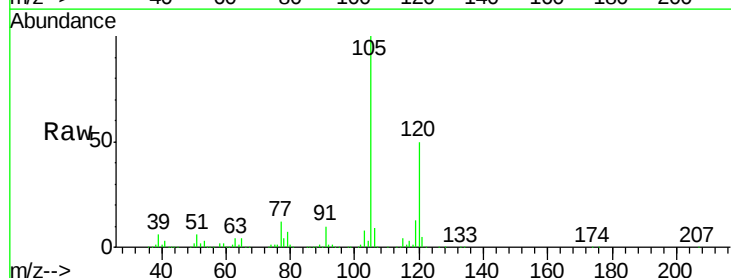
Acq: 18 Jan 2019 8:50

Tgt Ion: 105 Resp: 634038

Ion Ratio Lower Upper

105 100

120 49.4 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN053212.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN053212.D (-3390) (-)

400000

300000

200000

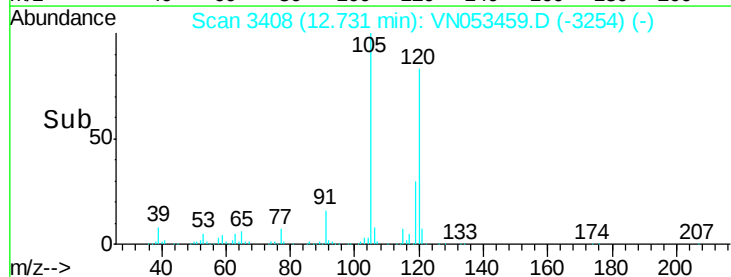
100000

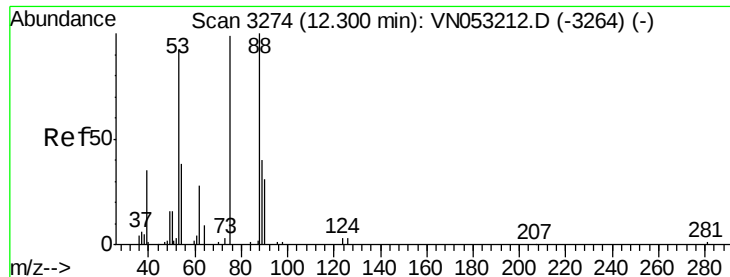
0

12.70

12.80

Time-->





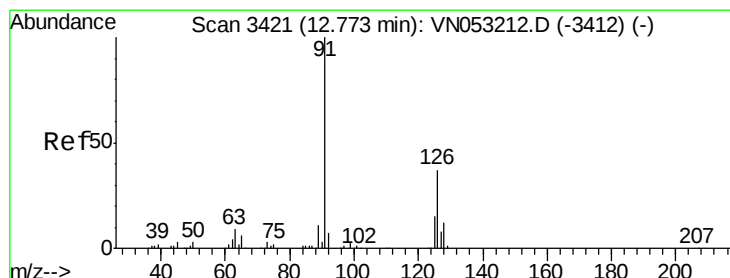
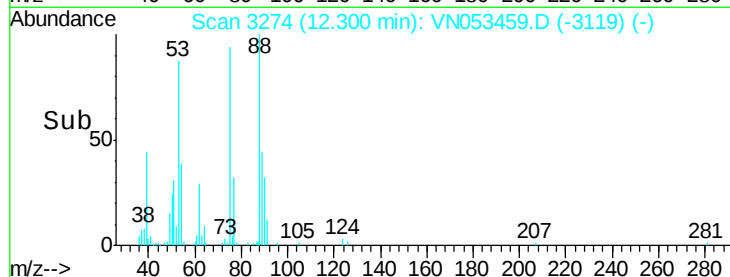
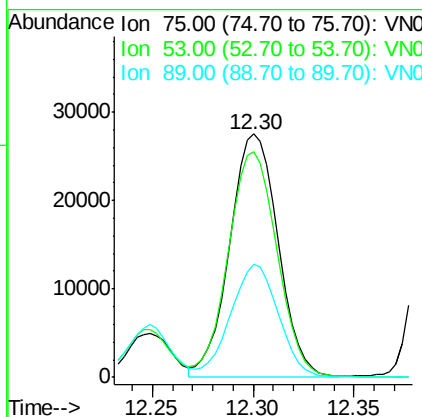
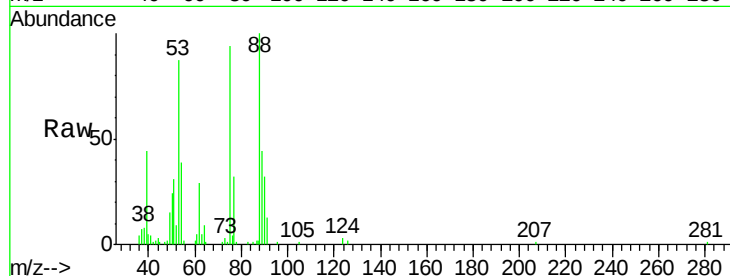
#77
t-1,4-Dichloro-2-butene
Concen: 20.084 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.5	48.5	145.6
89	47.0	21.7	65.1

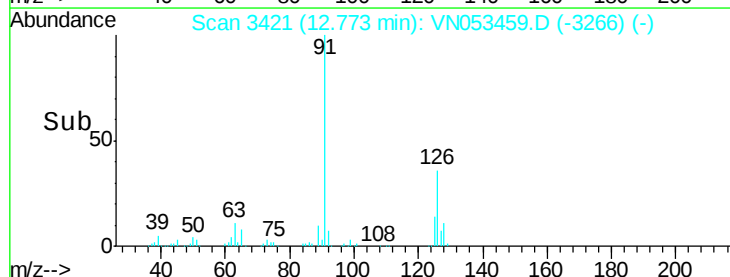
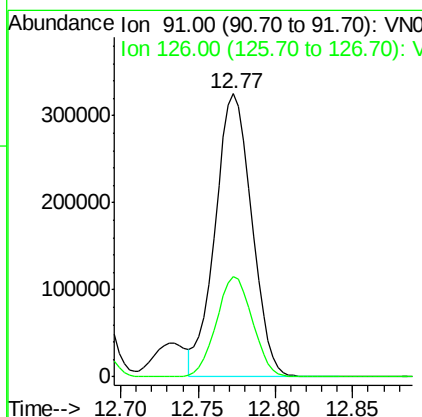
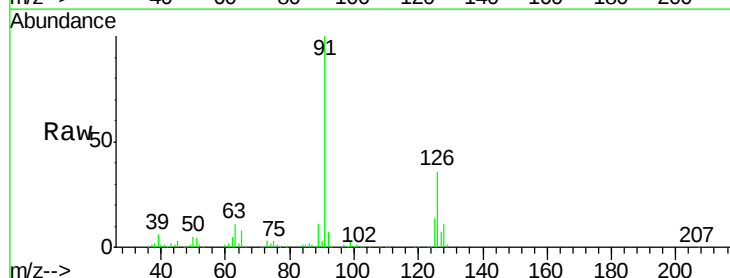
Manual Integrations
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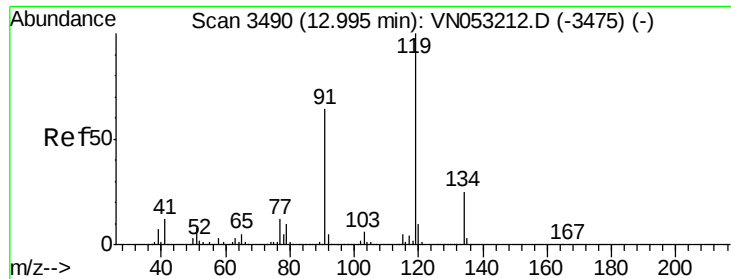
MMDadoda
1/21/2019 10:46:24 AM



#78
4-Chlorotoluene
Concen: 21.946 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	0.0	68.2





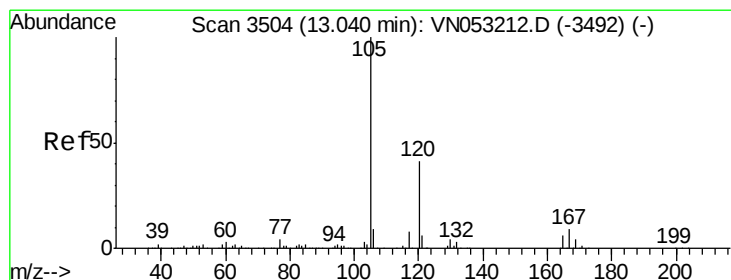
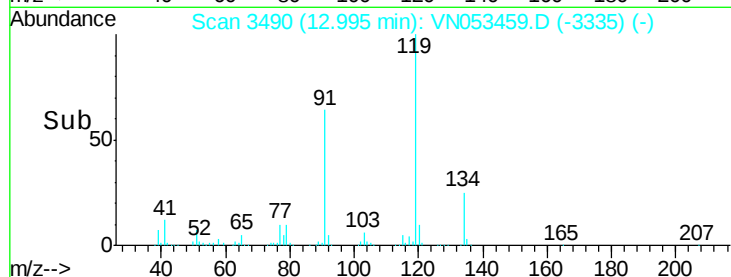
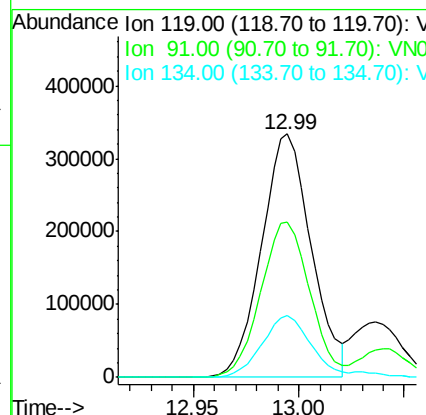
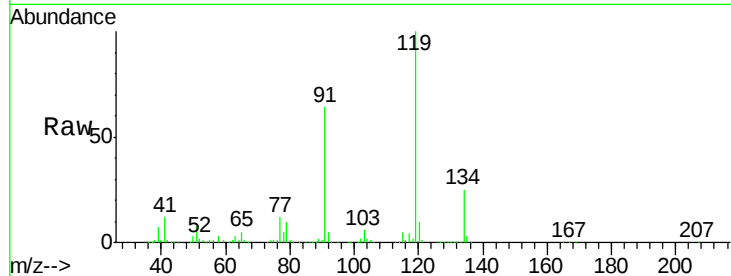
#79
tert-butylbenzene
Concen: 22.152 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	547446		
91	63.0		0.0	129.8
134	24.9		0.0	52.2

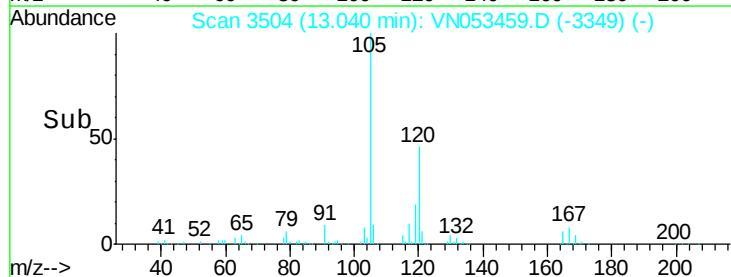
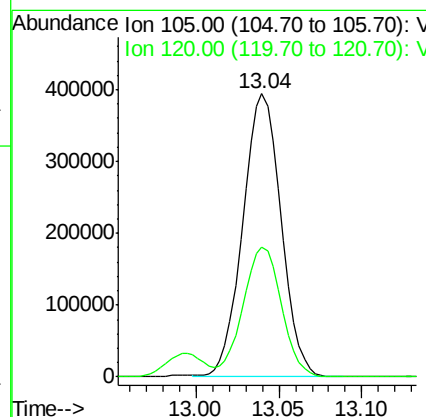
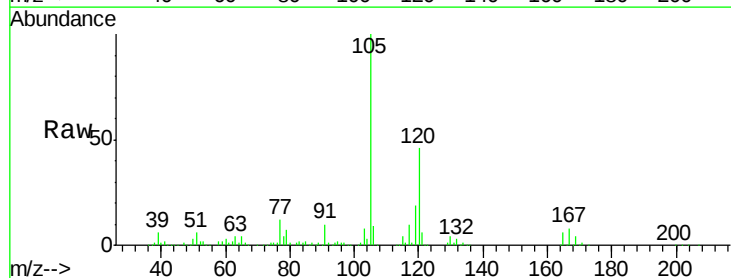
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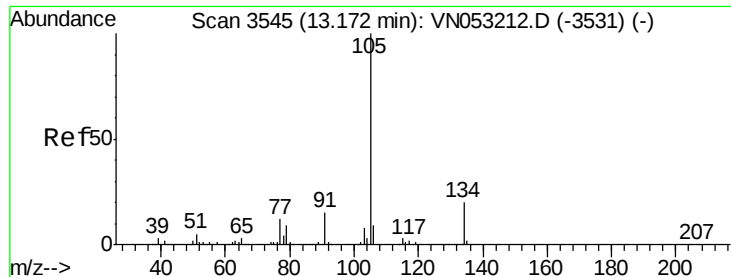
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 22.292 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	633106		
120	46.1		0.0	91.0





#81

sec-Butylbenzene

Concen: 23.533 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:105 Resp: 770102

Ion Ratio Lower Upper

105 100

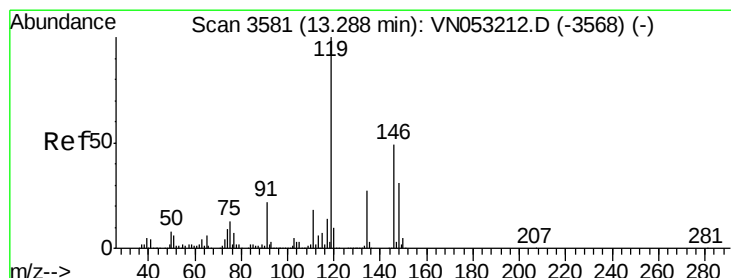
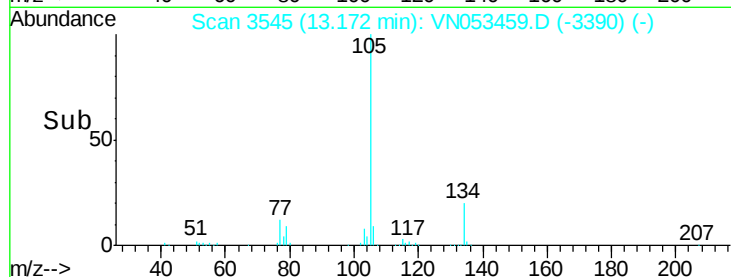
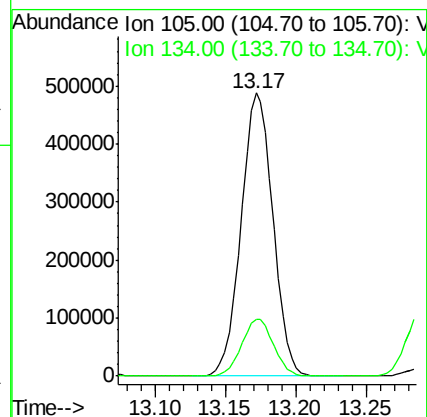
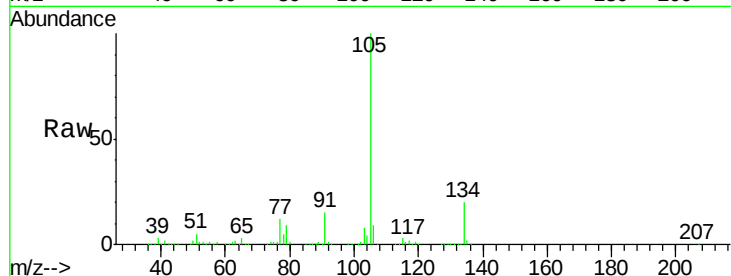
134 20.2 0.0 40.4

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 23.881 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

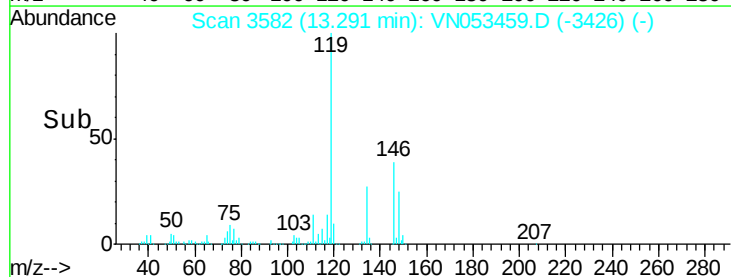
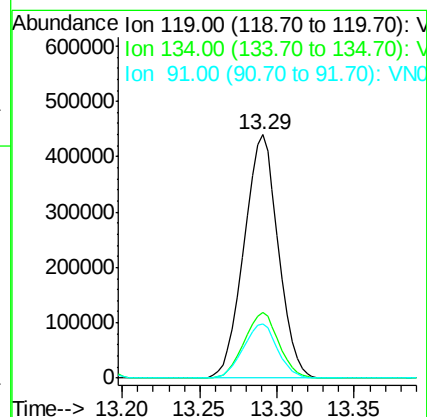
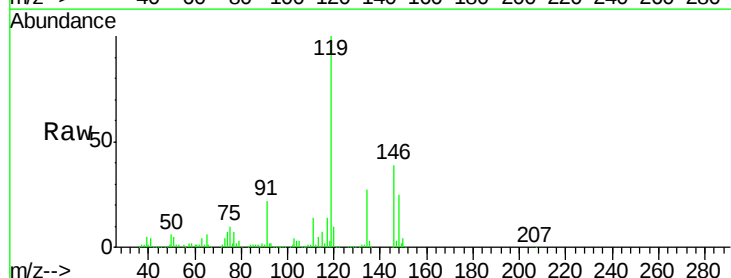
Tgt Ion:119 Resp: 675291

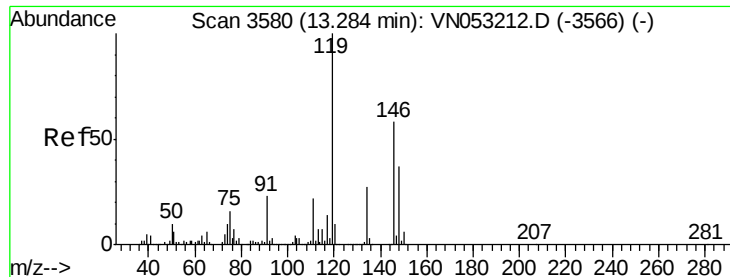
Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.6

91 22.2 0.0 46.2





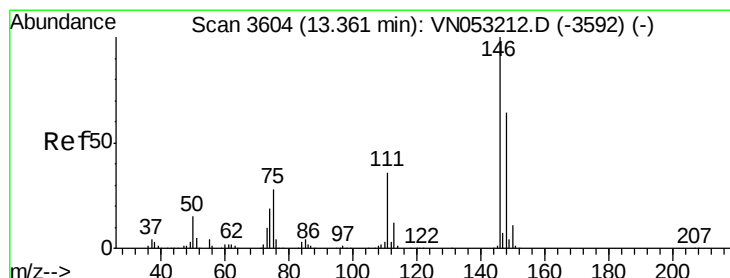
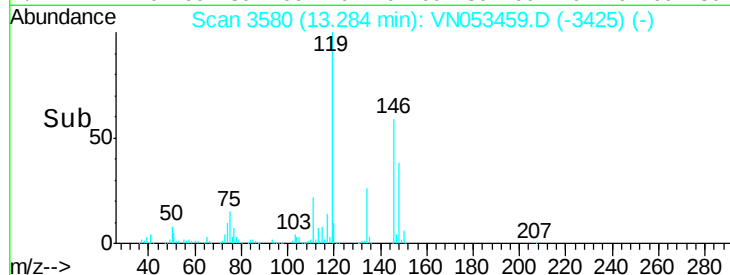
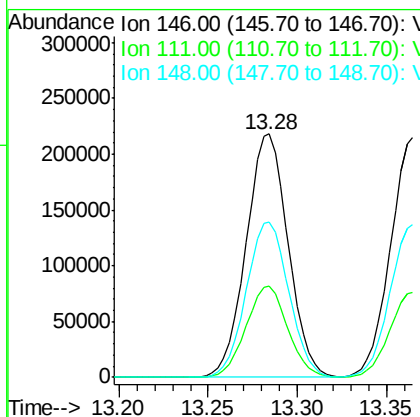
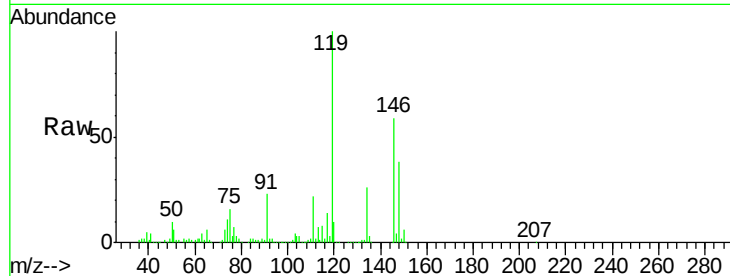
#83
 1,3-Dichlorobenzene
 Concen: 22.962 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	358995		
111	37.4	19.7	59.0	
148	64.5	32.3	96.8	

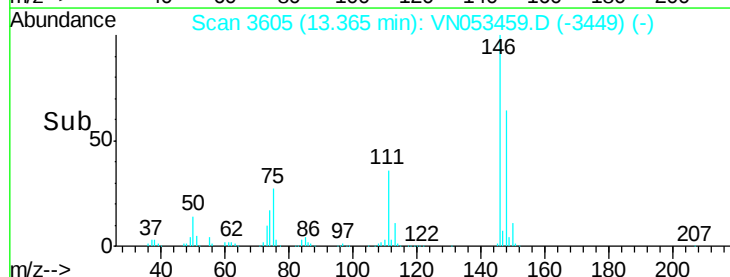
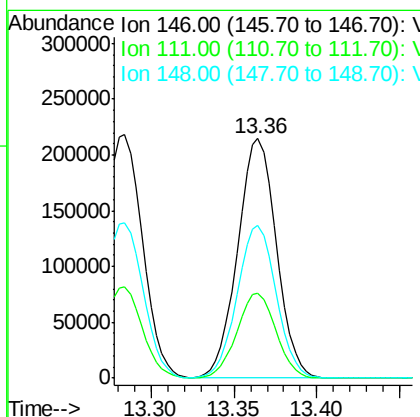
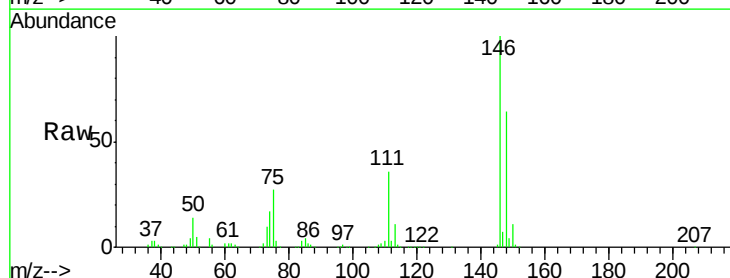
Manual Integrations
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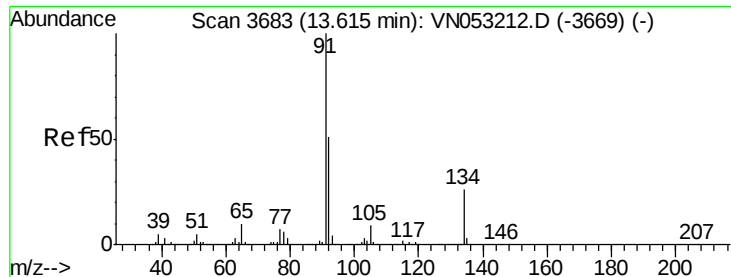
MMDadoda
 1/21/2019 10:46:24 AM



#84
 1,4-Dichlorobenzene
 Concen: 22.881 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	348708		
111	35.9	18.8	56.3	
148	64.2	32.5	97.4	





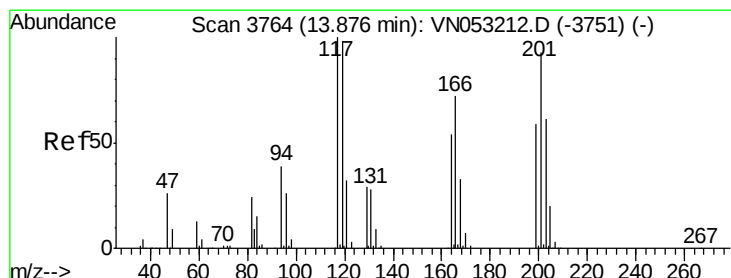
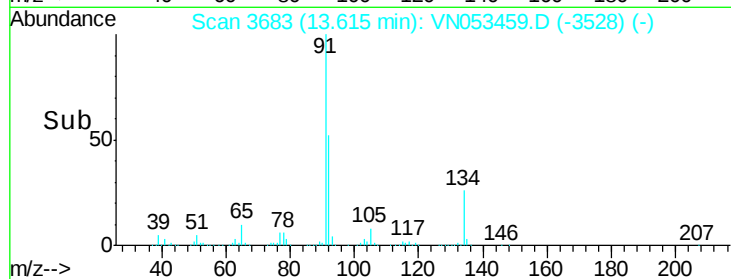
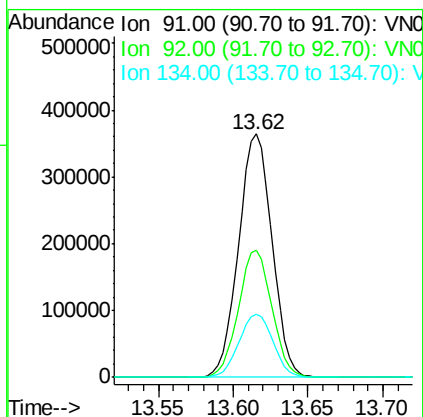
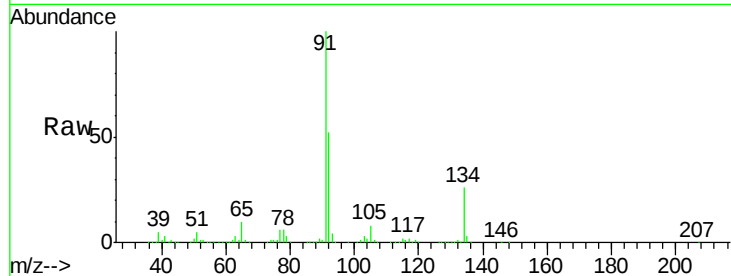
#85
n-Butylbenzene
Concen: 24.731 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	104.2
134	26.3	0.0	50.6

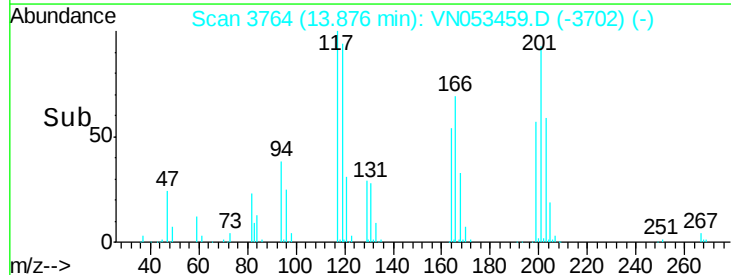
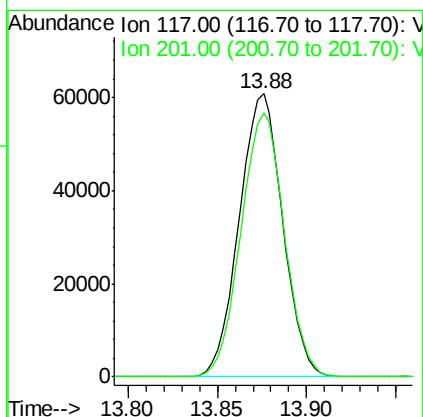
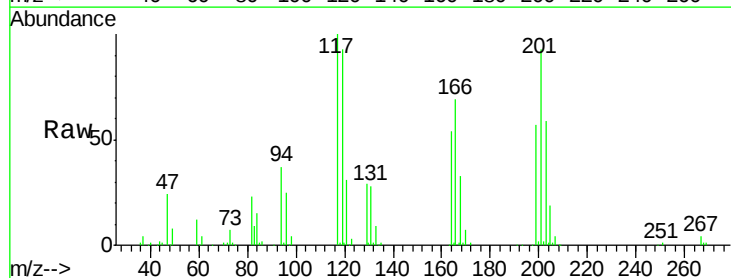
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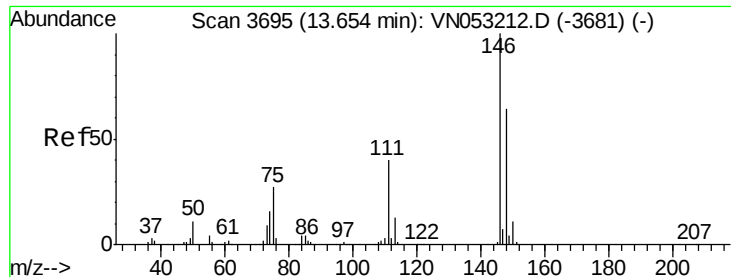
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#86
Hexachloroethane
Concen: 22.946 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.0	43.8	131.3





#87

1,2-Dichlorobenzene

Concen: 23.209 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Instrument :

MSVOA_N

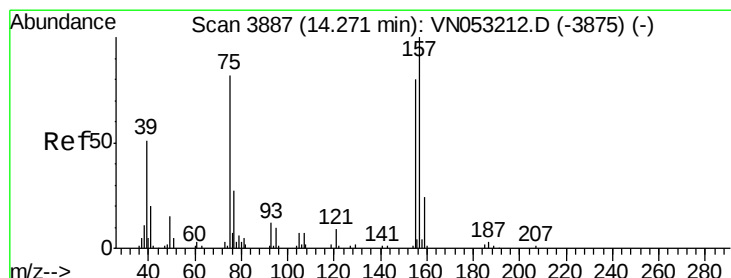
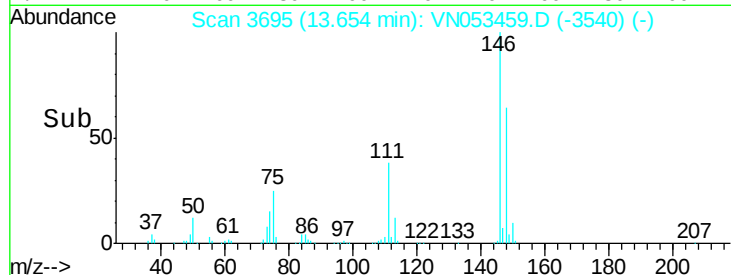
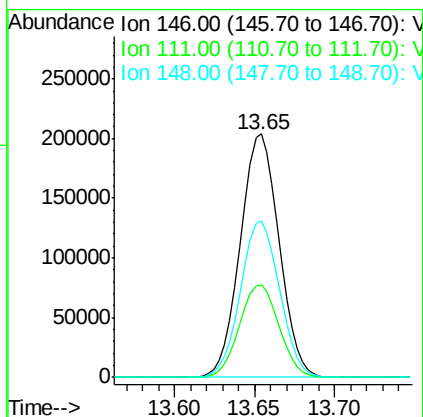
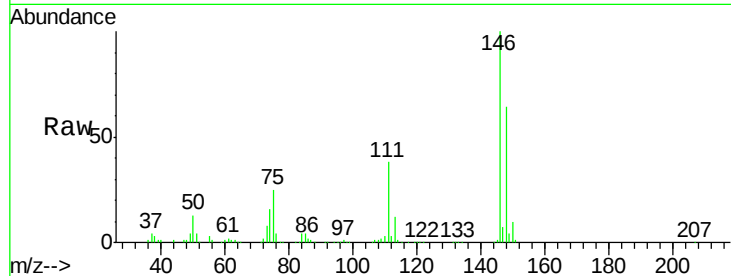
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	337164
Ion Ratio		Lower	Upper
146	100		
111	38.7	20.3	60.8
148	64.8	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 20.844 ug/l

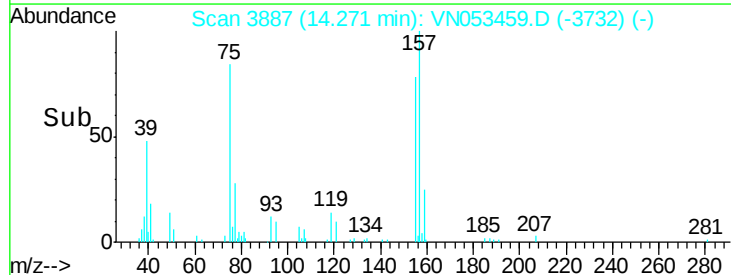
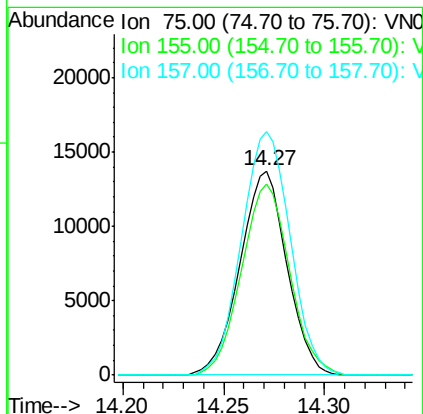
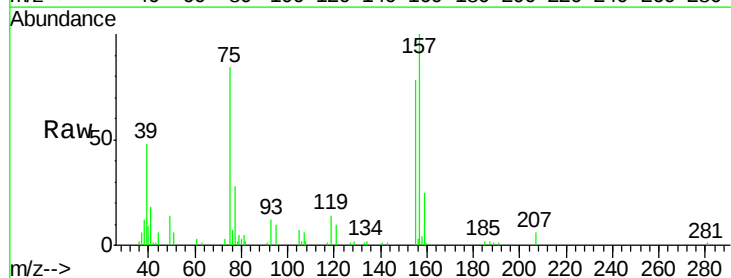
RT: 14.27 min Scan# 3887

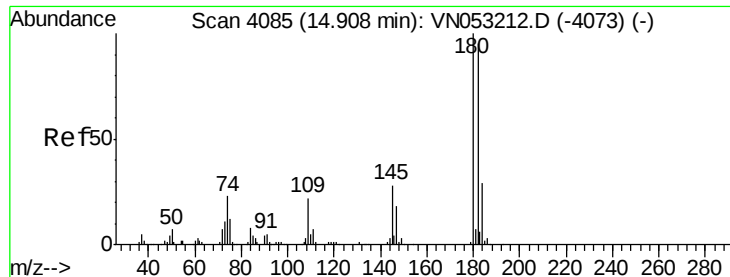
Delta R.T. -0.00 min

Lab File: VN053459.D

Acq: 18 Jan 2019 8:50

Tgt Ion:	75	Resp:	22415
Ion Ratio		Lower	Upper
75	100		
155	95.6	72.2	108.2
157	123.9	94.2	141.2





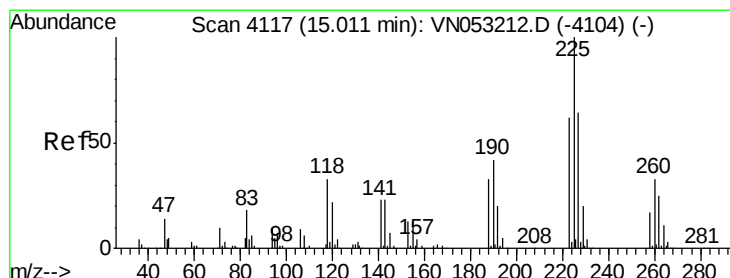
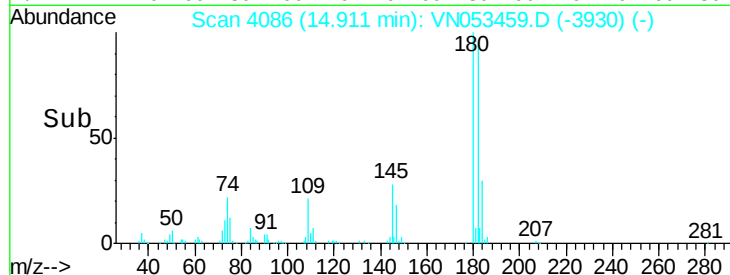
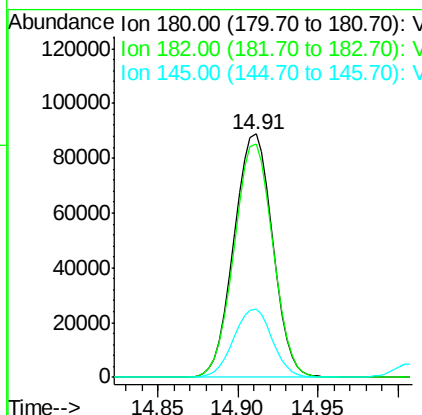
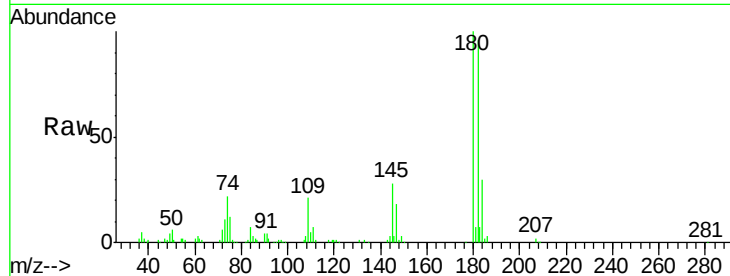
#89
 1,2,4-Trichlorobenzene
 Concen: 20.754 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	114.8
145	27.9	23.6	35.4

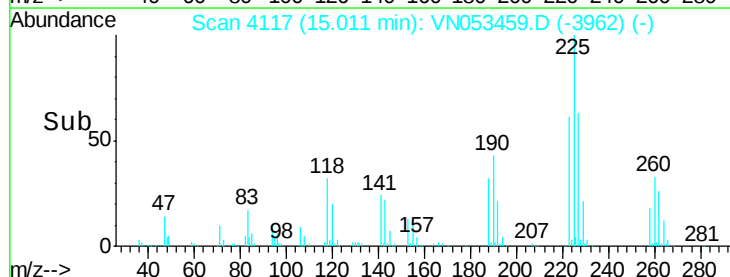
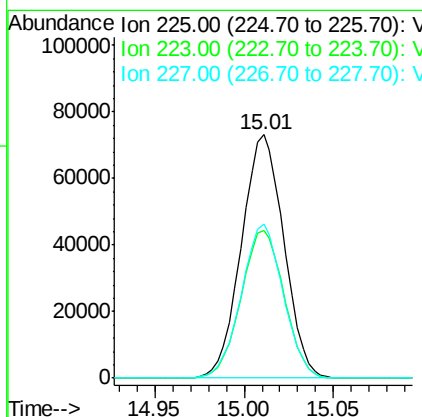
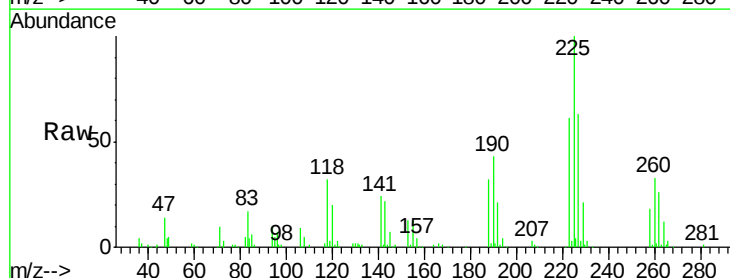
Manual Integrations
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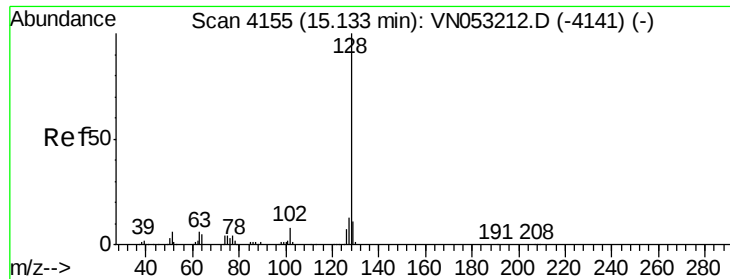
MMDadoda
 1/21/2019 10:46:24 AM



#90
 Hexachlorobutadiene
 Concen: 28.539 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053459.D
 Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	0.0	125.6
227	62.6	0.0	127.8





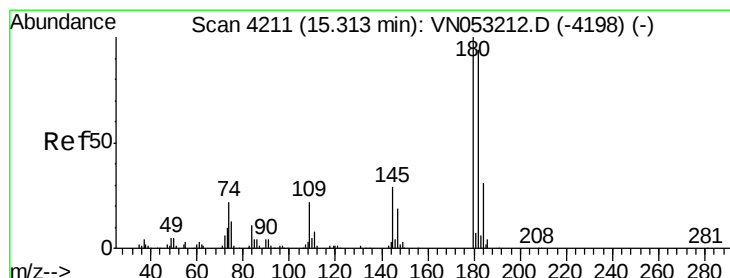
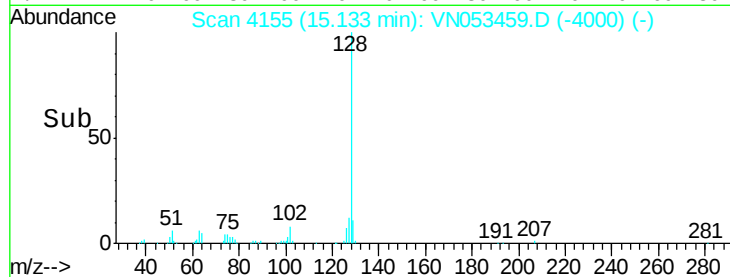
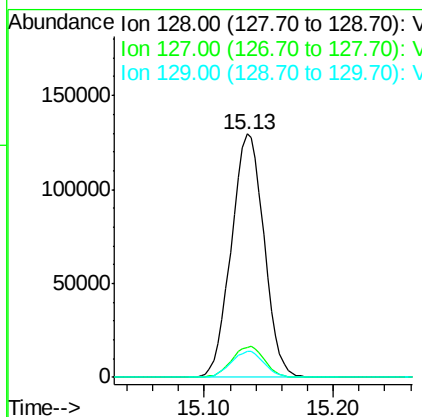
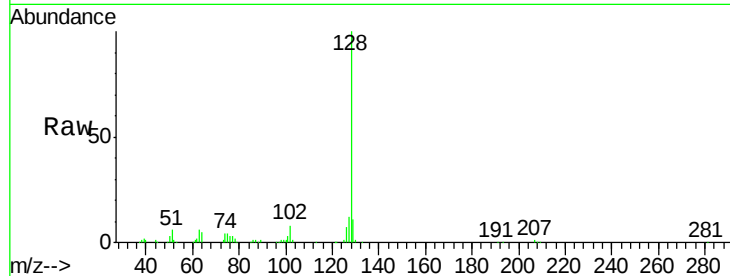
#91
Naphthalene
Concen: 15.273 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	228486		
127	12.8		9.9	14.9
129	10.8		8.5	12.7

Manual Integrations
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1/21/2019 10:46:24 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.278 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053459.D
Acq: 18 Jan 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108692		
182	94.7		0.0	196.2
145	29.5		0.0	62.2

