

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041219\
 Data File : VN054995.D
 Acq On : 12 Apr 2019 13:02
 Operator : JC/SP
 Sample : VN0412WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 9:36:58 AM

Quant Time: Apr 12 23:29:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	74164	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	394509	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	345564	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	163351	28.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.33%
60) 4-Bromofluorobenzene	12.40	95	157725	29.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.73%
63) Toluene-d8	10.09	98	496261	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	84030	19.265	ug/l 99
3) Chloromethane	2.06	50	118003	20.027	ug/l 97
4) Vinyl Chloride	2.19	62	100986	19.819	ug/l 98
5) Bromomethane	2.56	94	58192	19.744	ug/l 96
6) Chloroethane	2.71	64	55982	19.617	ug/l 98
7) Trichlorofluoromethane	3.02	101	128564	19.745	ug/l 96
8) Diethyl Ether	3.41	74	41878	20.032	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	69569	19.546	ug/l 97
10) 1,1-Dichloroethene	3.73	96	62975	19.137	ug/l 99
11) Methyl Iodide	3.94	142	99229	19.926	ug/l 99
12) Methyl Acetate	4.33	43	87842	21.702	ug/l 100
13) Acrolein	3.61	56	33158	93.471	ug/l 99
14) Acrylonitrile	4.99	53	172299	103.901	ug/l 99
15) Acetone	3.82	58	35767	87.162	ug/l 98
16) Carbon Disulfide	4.04	76	206625	18.719	ug/l 98
17) Allyl chloride	4.32	41	162544	20.058	ug/l 97
18) Methylene Chloride	4.54	84	98474	20.244	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	86195	20.121	ug/l 97
20) Diisopropyl ether	5.96	45	327664	19.959	ug/l 97
21) 1,1-Dichloroethane	5.85	63	176900	20.174	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	97909	19.664	ug/l 99
23) tert-Butyl Alcohol	4.82	59	29052	109.871	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	231250	20.928	ug/l # 67
25) Chloroform	7.37	83	169566	20.188	ug/l 99
26) Cyclohexane	7.65	56	158713	19.508	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	123237	20.058	ug/l 99
30) 2-Butanone	6.85	43	210425	103.177	ug/l 100
31) 2,2-Dichloropropane	6.82	77	112896	19.964	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	134577	20.723	ug/l 99
33) Carbon Tetrachloride	7.77	117	112998	20.098	ug/l 98
34) Benzene	8.04	78	374362	20.561	ug/l 98
35) Methacrylonitrile	7.18	41	51728	21.519	ug/l 98
36) 1,2-Dichloroethane	8.12	62	132714	21.327	ug/l 99
37) Trichloroethene	8.83	130	93210	20.082	ug/l 95
38) Methylcyclohexane	9.08	83	138822	19.484	ug/l 99
39) 1,2-Dichloropropane	9.12	63	105782	21.041	ug/l 99
40) Dibromomethane	9.21	93	59966	21.102	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	120367	20.524	ug/l	95
42) Vinyl Acetate	5.90	43	1077658	104.520	ug/l	100
43) Ethyl Acetate	6.94	43	88165	21.220	ug/l	94
44) Isopropyl Acetate	8.17	43	151026	21.449	ug/l	97
45) 1,4-Dioxane	9.21	88	16523	423.573	ug/l	92
46) Methyl methacrylate	9.20	41	79628	21.861	ug/l	92
47) n-amyl Acetate	12.07	43	106520	20.540	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	105067	19.509	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	130984	19.701	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	81732	21.176	ug/l	100
51) Ethyl methacrylate	10.43	69	92953	20.203	ug/l	98
52) 1,3-Dichloropropane	10.71	76	141920	20.984	ug/l	100
53) Dibromochloromethane	10.90	129	79697	20.046	ug/l	99
54) 1,2-Dibromoethane	11.01	107	74972	20.691	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	183447	95.374	ug/l	99
56) Bromoform	12.13	173	46465	18.600	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	437265	109.725	ug/l	98
59) 2-Hexanone	10.75	43	268546	106.076	ug/l	98
61) Tetrachloroethene	10.63	164	93627	20.819	ug/l	97
62) Toluene	10.16	91	395607	20.777	ug/l	99
64) Chlorobenzene	11.43	112	235642	20.500	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	84074	20.565	ug/l	99
66) Ethyl Benzene	11.51	91	410275	20.101	ug/l	98
67) m/p-Xylenes	11.62	106	313343	41.301	ug/l	97
68) o-Xylene	11.95	106	153278	20.444	ug/l	100
69) Styrene	11.96	104	230083	19.763	ug/l	98
70) Isopropylbenzene	12.25	105	408829	20.395	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	100167	21.847	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	87203m	23.031	ug/l	
73) Bromobenzene	12.53	156	93929	19.824	ug/l	97
74) n-propylbenzene	12.59	91	449640	20.036	ug/l	99
75) 2-Chlorotoluene	12.67	91	278354	20.566	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	330840	20.414	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17468	18.302	ug/l	93
78) 4-Chlorotoluene	12.77	91	255660	19.824	ug/l	100
79) tert-butylbenzene	12.99	119	286143	20.405	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	320733	20.145	ug/l	97
81) sec-Butylbenzene	13.17	105	379392	20.248	ug/l	99
82) p-Isopropyltoluene	13.29	119	307332	19.435	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	156635	19.761	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	143753	19.085	ug/l	99
85) n-Butylbenzene	13.61	91	225415	17.895	ug/l	99
86) Hexachloroethane	13.87	117	48529	19.171	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	159173	20.505	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12551	20.597	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	59399	17.115	ug/l	97
90) Hexachlorobutadiene	15.01	225	48345	19.106	ug/l	98
91) Naphthalene	15.13	128	131201	18.054	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	62928	18.130	ug/l	98

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QLast Update : Fri Apr 12 07:55:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

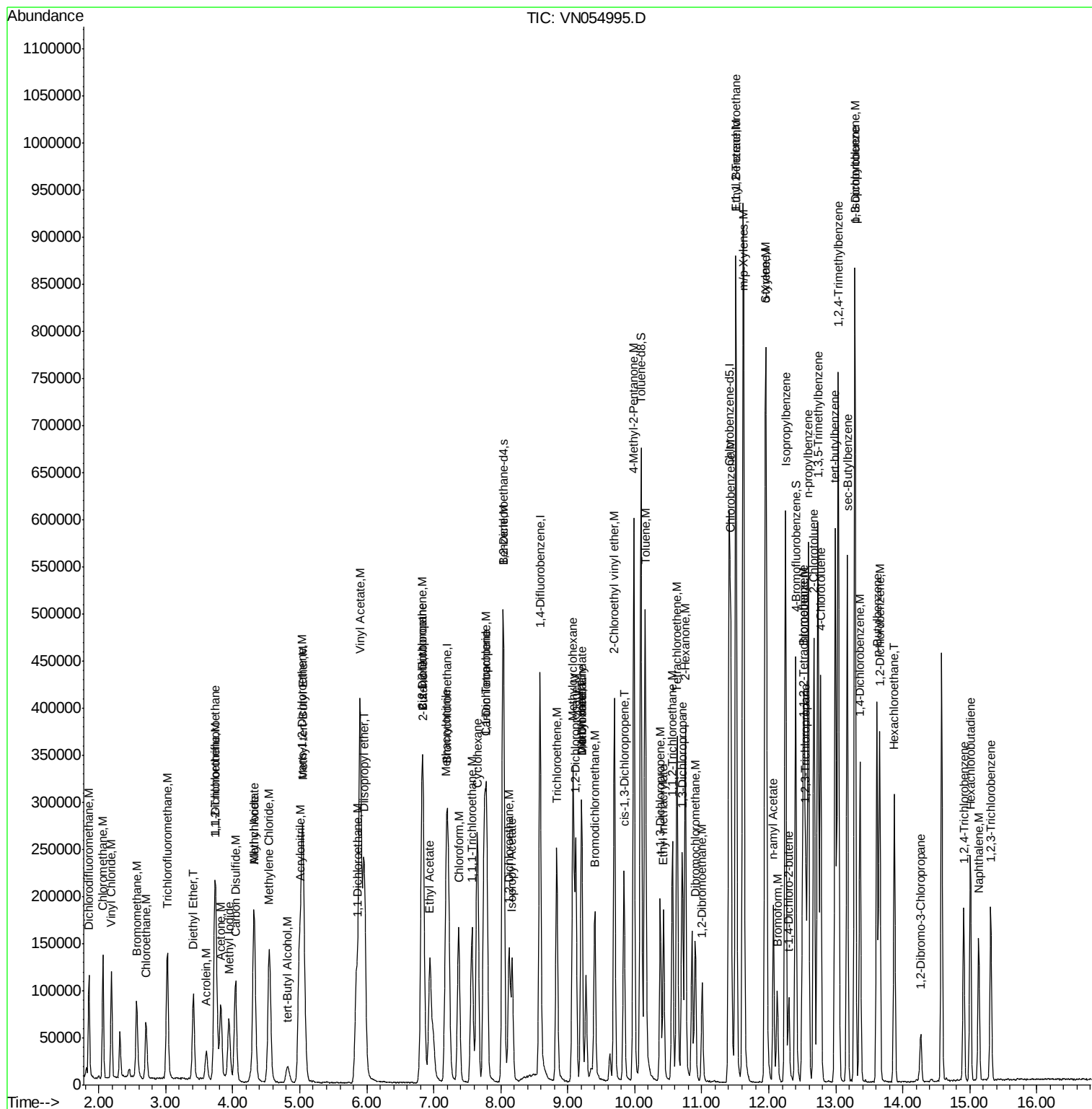
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Data File : VN054995.D
Acq On : 12 Apr 2019 13:02
Operator : JC/SP
Sample : VN0412WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

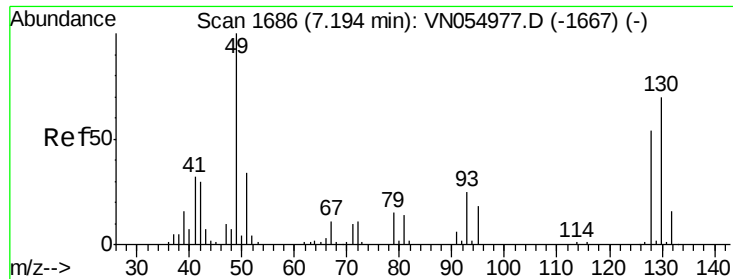
Instrument :
MSVOA_N
Client Sample Id :
VN0412WBSD01

Manual Integrations
APPROVED

MMDadoda
4/17/2019 9:36:58 AM

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

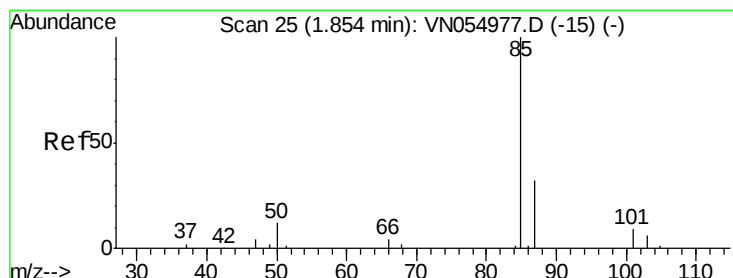
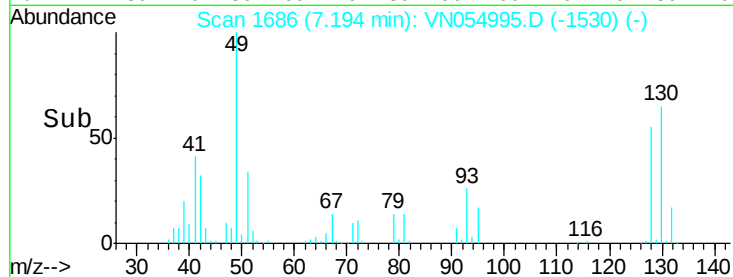
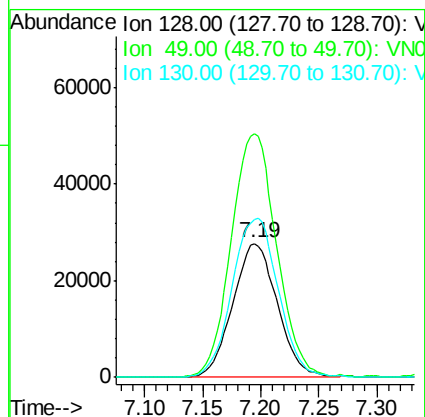
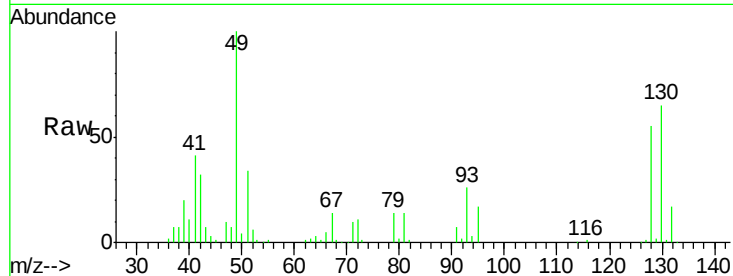
ClientSampleId :

VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	184.7	0.0	480.3
130	123.4	0.0	322.2

Manual Integrations
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4/17/2019 9:36:58 AM



#2

Dichlorodifluoromethane

Concen: 19.265 ug/l

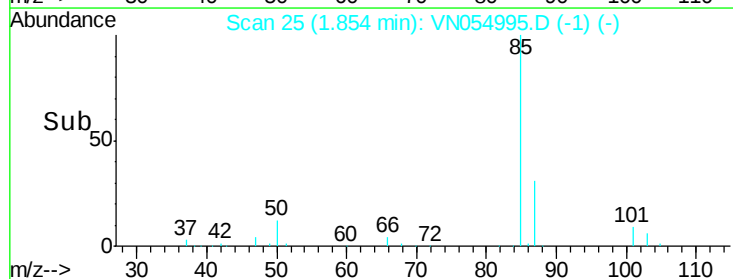
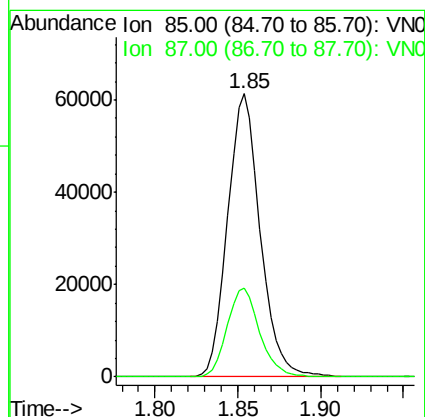
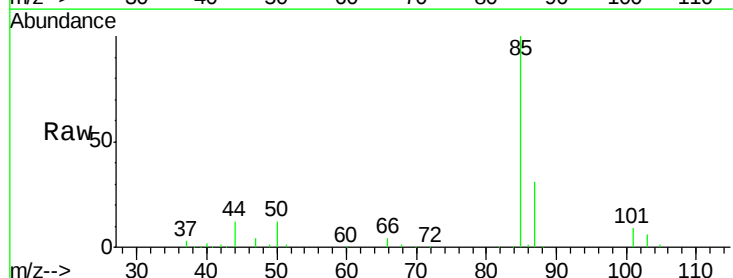
RT: 1.85 min Scan# 25

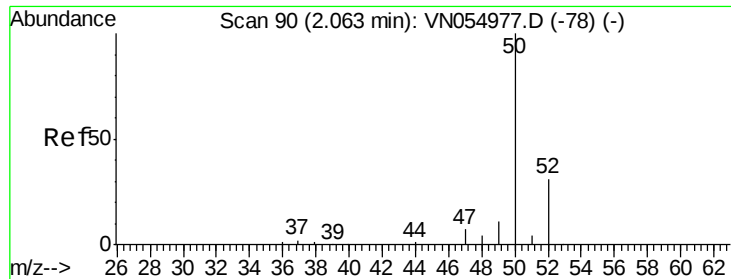
Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.1	48.3





#3

Chloromethane

Concen: 20.027 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0412WBSD01

Tot Ion: 50 Resp: 118003

Ion Ratio Lower Upper

50 100

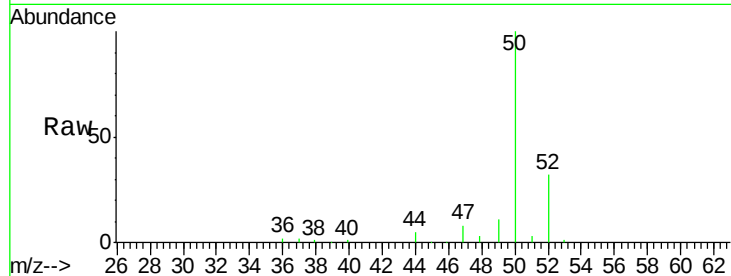
52 32.0 24.5 36.7

Manual Integrations

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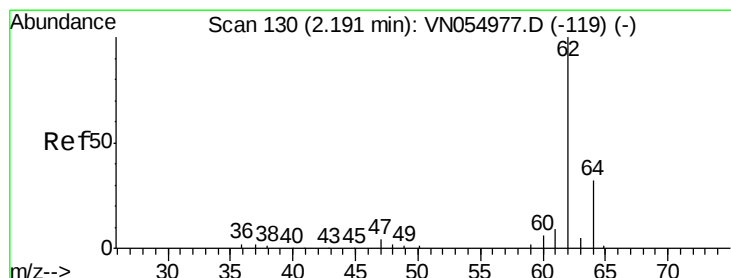
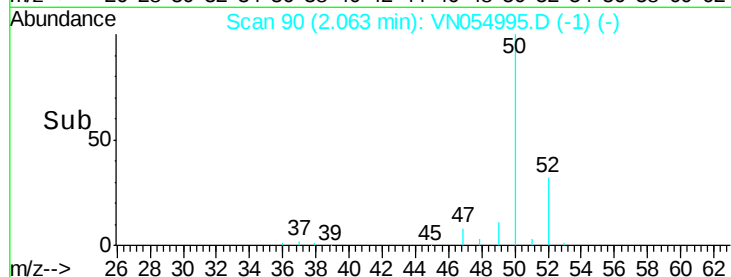
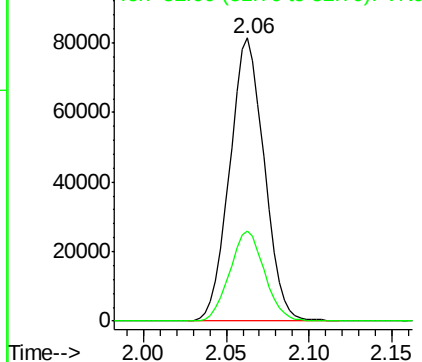
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.819 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054995.D

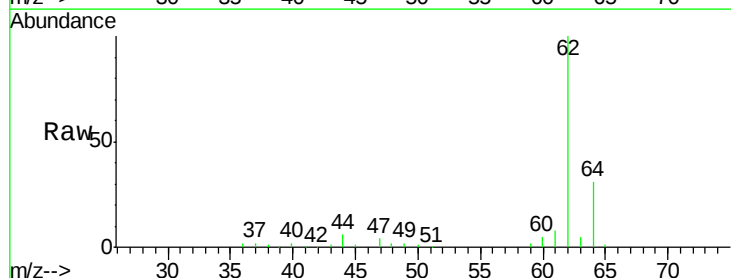
Acq: 12 Apr 2019 13:02

Tgt Ion: 62 Resp: 100986

Ion Ratio Lower Upper

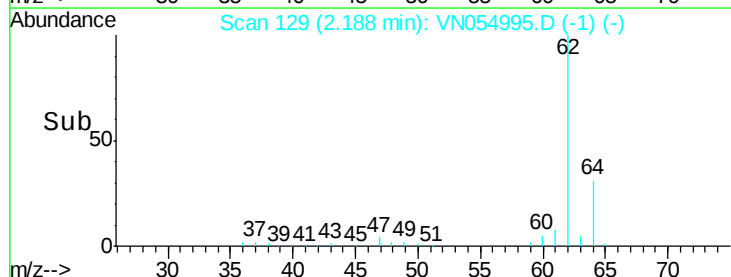
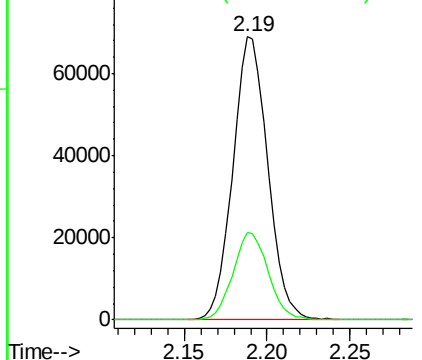
62 100

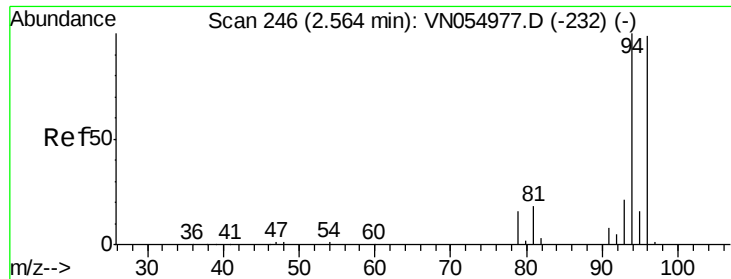
64 30.7 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.744 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0412WBSD01

Tot Ion: 94 Resp: 58192

Ion Ratio Lower Upper

94 100

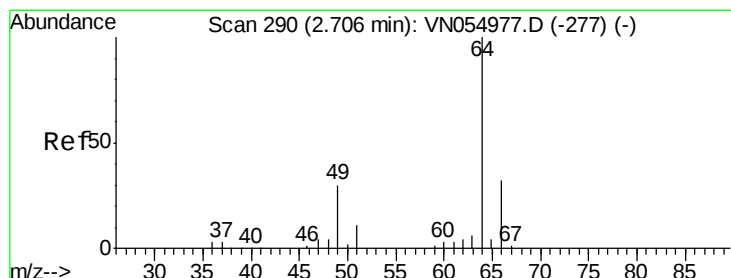
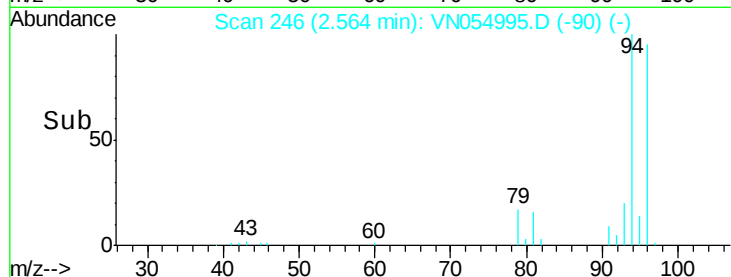
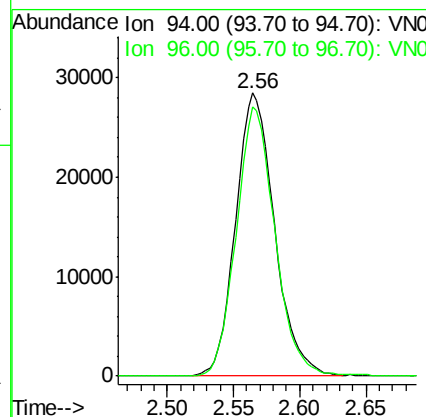
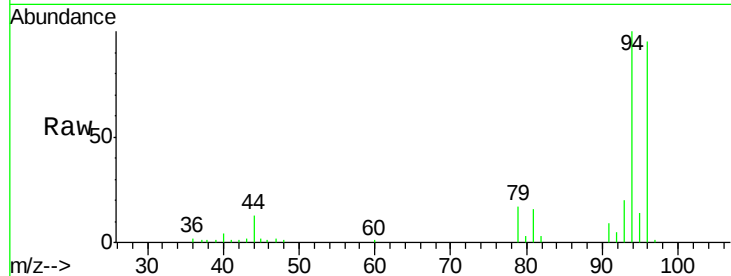
96 95.1 79.1 118.7

Manual Integrations

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#6

Chloroethane

Concen: 19.617 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054995.D

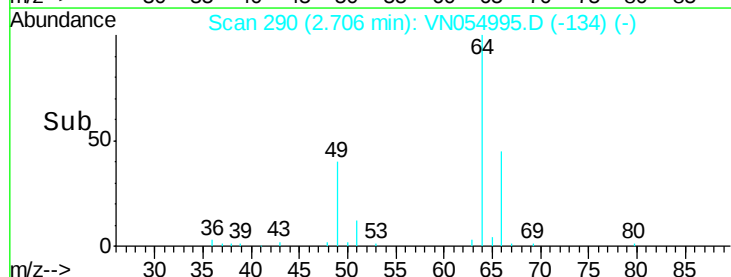
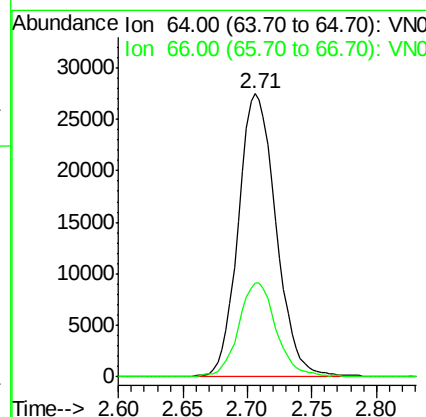
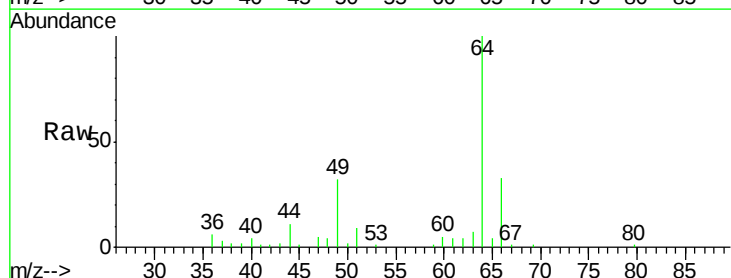
Acq: 12 Apr 2019 13:02

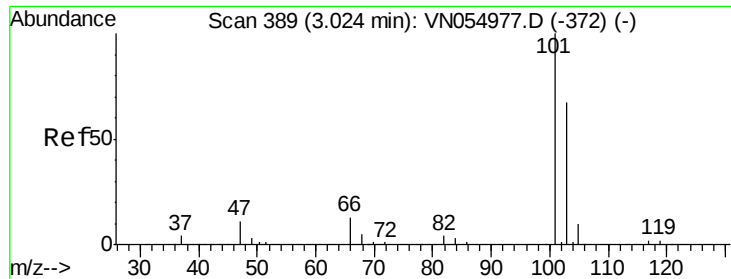
Tgt Ion: 64 Resp: 55982

Ion Ratio Lower Upper

64 100

66 33.3 25.7 38.5





#7

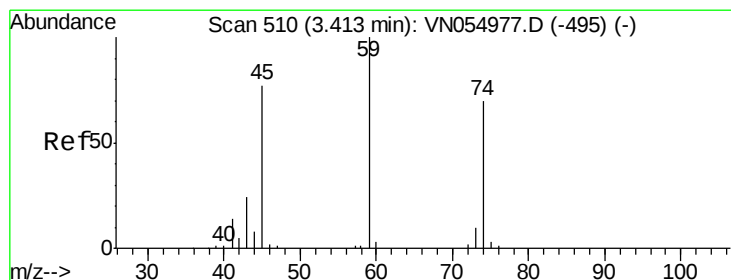
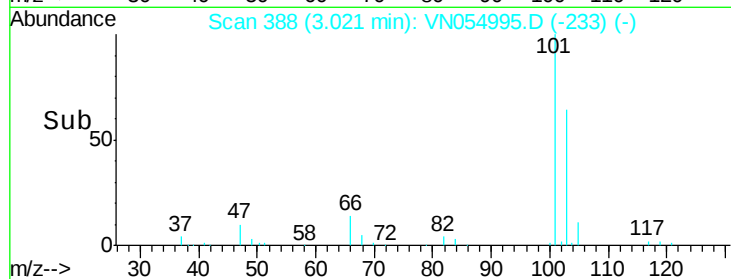
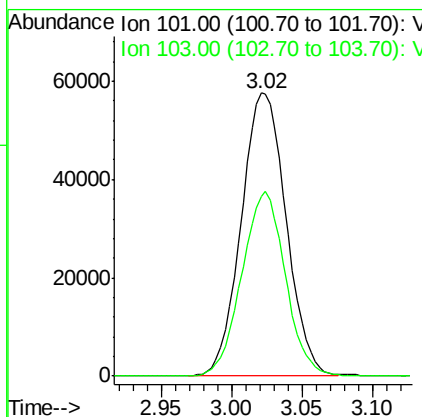
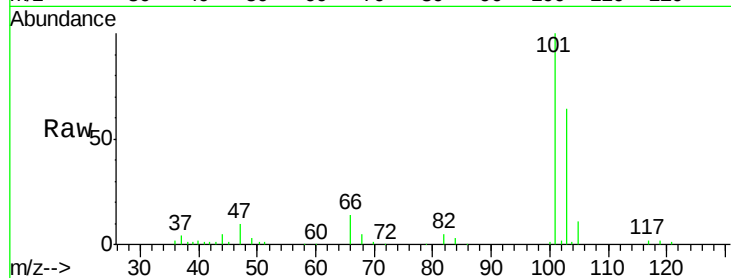
Trichlorofluoromethane
 Concen: 19.745 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
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 ClientSampleId :
 VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	53.4	80.0

Manual Integrations
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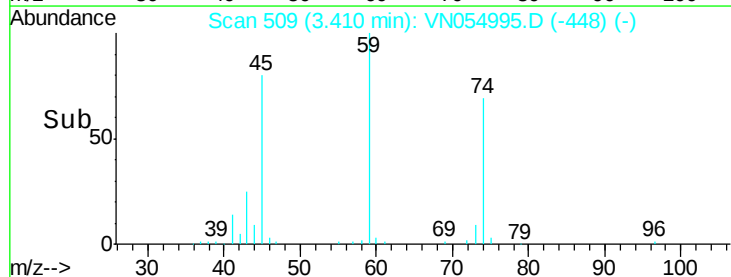
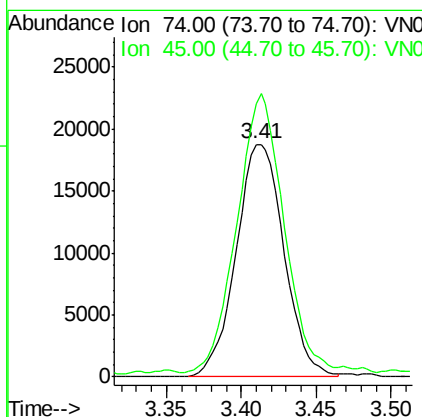
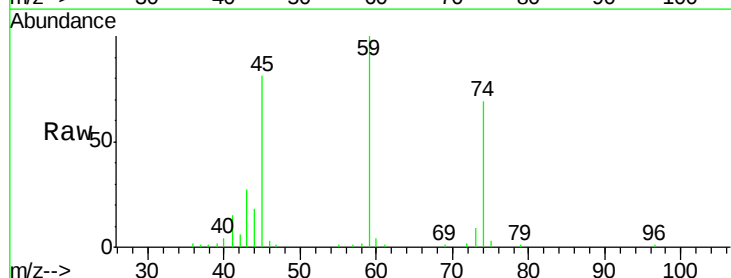
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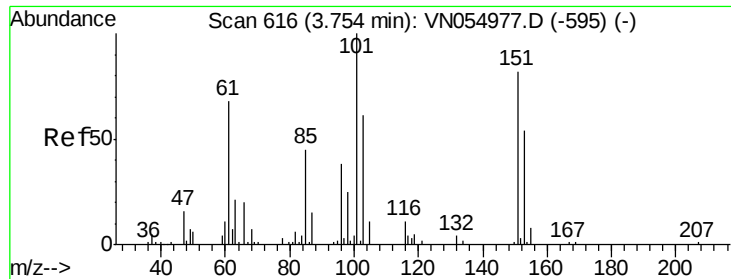


#8

Diethyl Ether
 Concen: 20.032 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.4	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.546 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

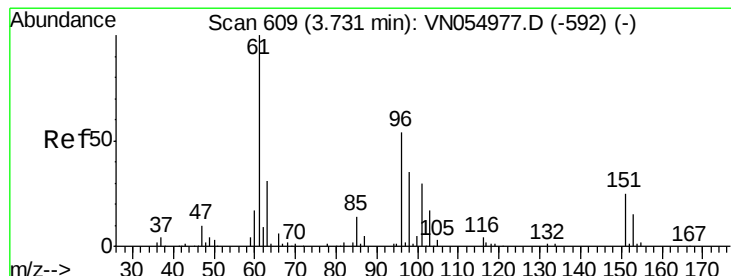
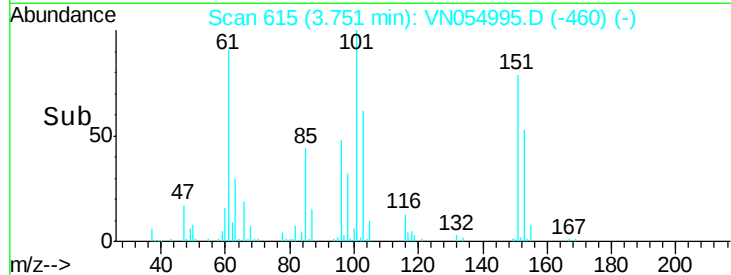
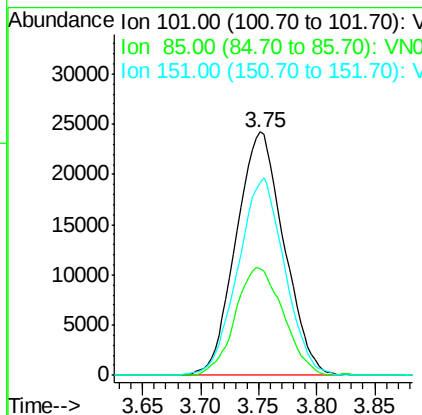
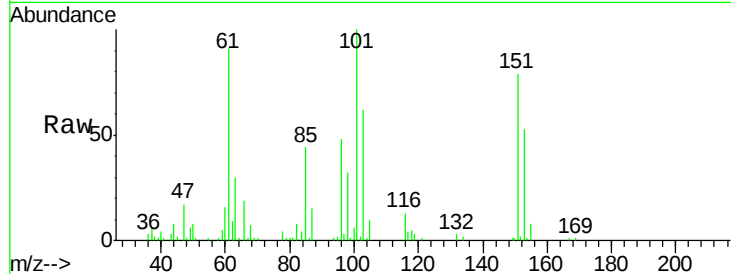
ClientSampleId :

VN0412WBSD01

Tot Ion:	101	Resp:	69569
Ion Ratio	Lower	Upper	
101	100		
85	44.4	0.0	91.4
151	79.0	0.0	165.6

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#10

1,1-Dichloroethene

Concen: 19.137 ug/l

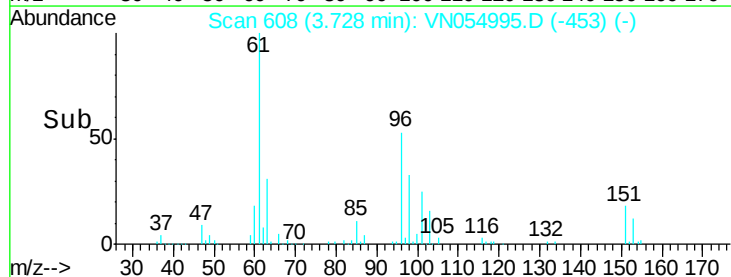
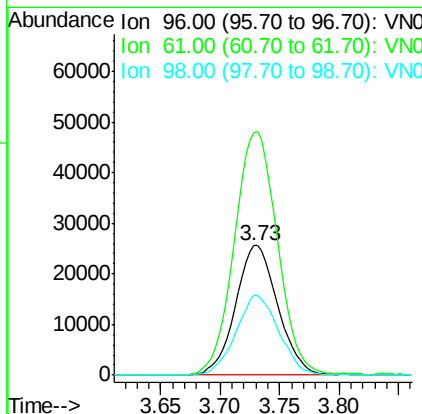
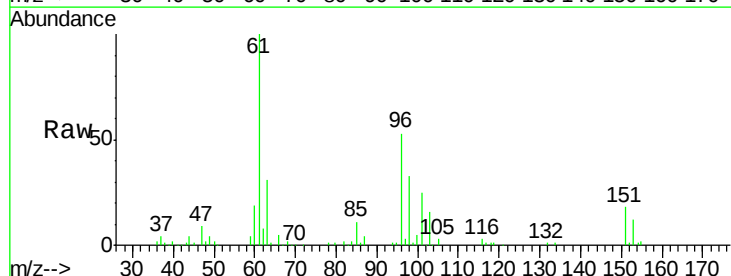
RT: 3.73 min Scan# 608

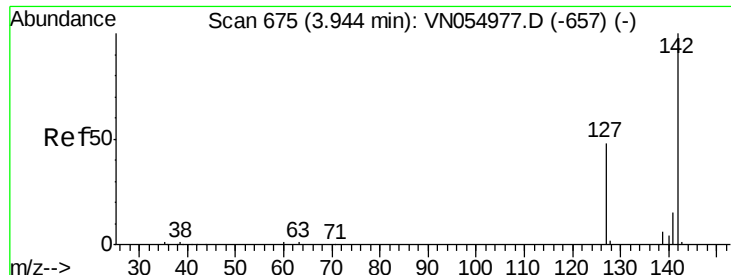
Delta R.T. -0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Tgt Ion:	96	Resp:	62975
Ion Ratio	Lower	Upper	
96	100		
61	186.2	148.4	222.6
98	61.7	52.2	78.2





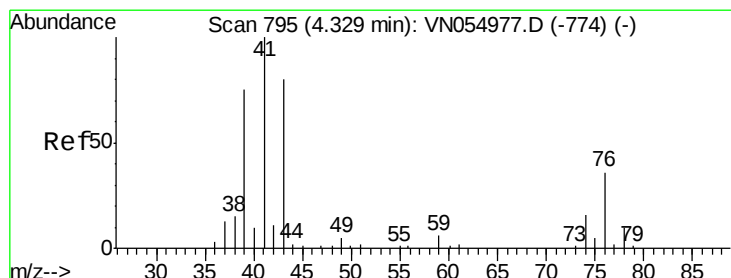
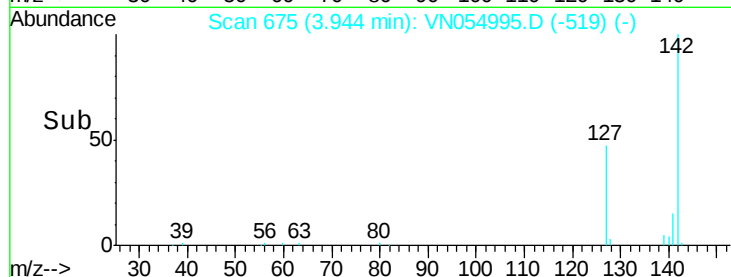
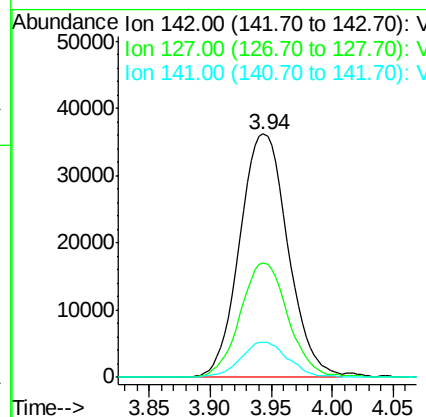
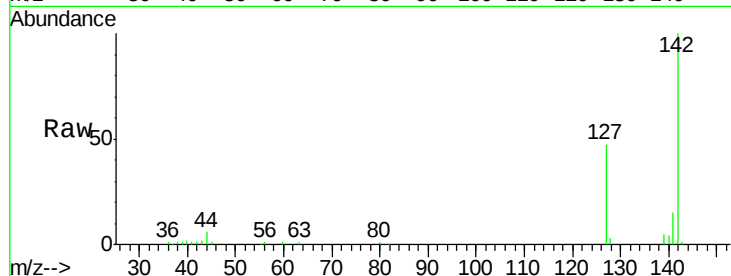
#11
Methvl Iodide
Concen: 19.926 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.0	23.8	71.5
141	14.7	7.3	22.0

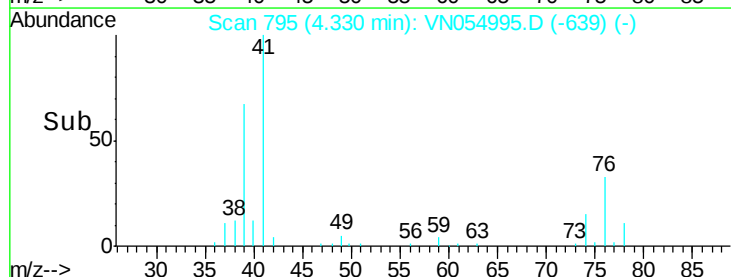
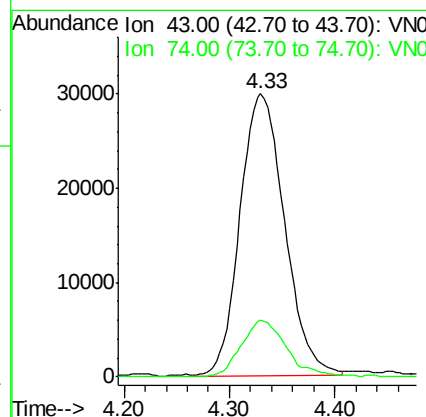
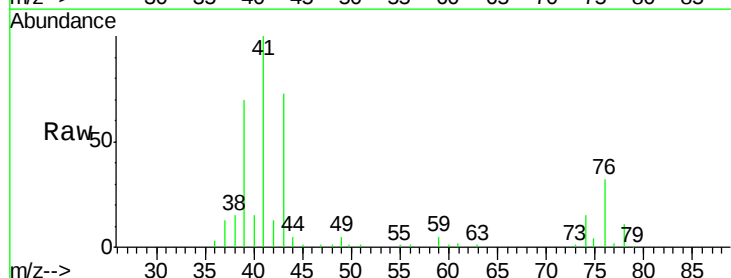
Manual Integrations
APPROVED

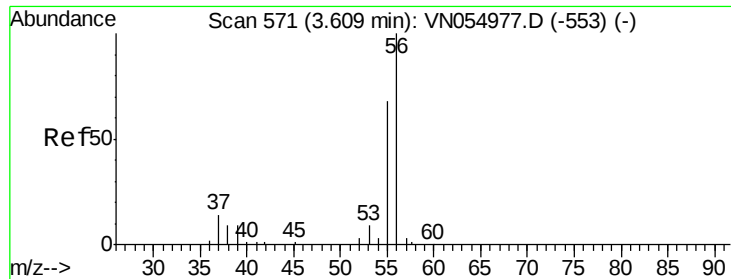
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4/17/2019 9:36:58 AM



#12
Methyl Acetate
Concen: 21.702 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.2	24.4





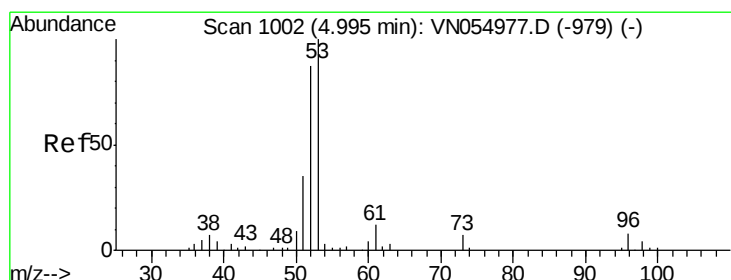
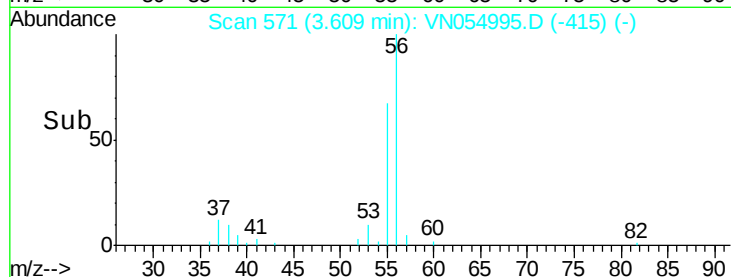
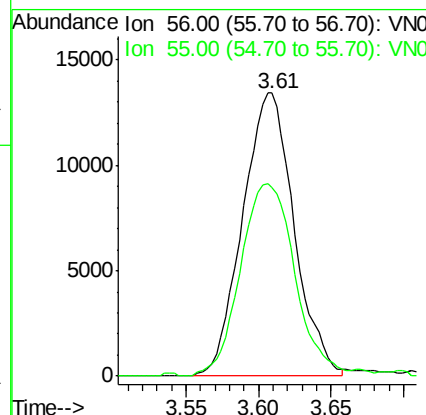
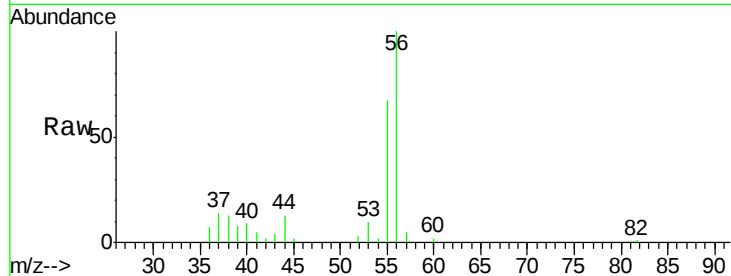
#13
Acrolein
Concen: 93.471 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion: 56 Resp: 33158
Ion Ratio Lower Upper
56 100
55 71.8 57.0 85.4

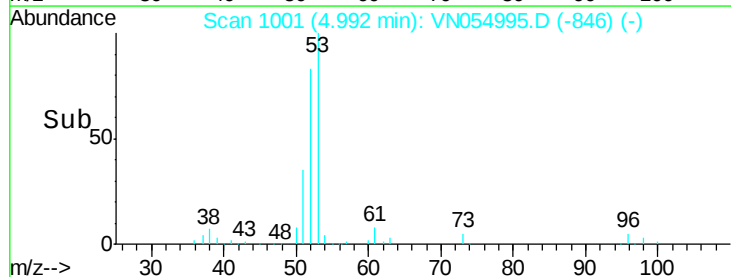
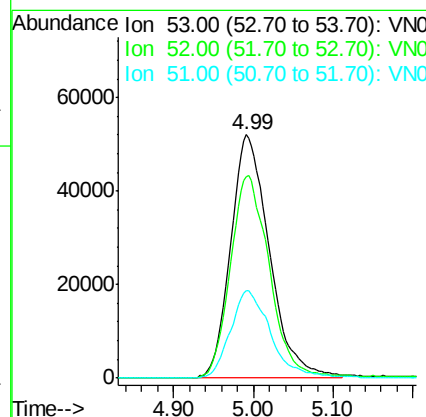
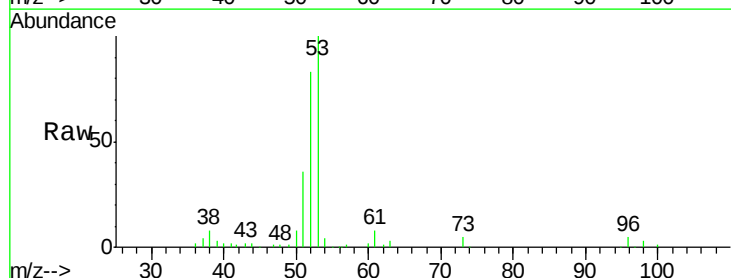
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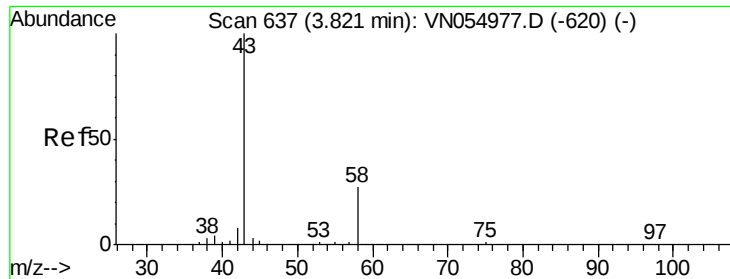
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#14
Acrylonitrile
Concen: 103.901 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 53 Resp: 172299
Ion Ratio Lower Upper
53 100
52 83.4 42.3 126.8
51 37.3 18.6 56.0





#15

Acetone

Concen: 87.162 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0412WBSD01

Tot Ion: 58 Resp: 35767

Ion Ratio Lower Upper

58 100

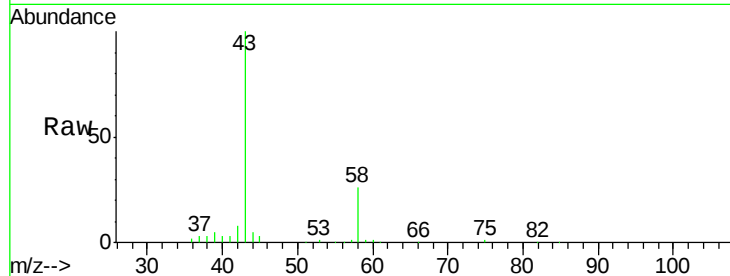
43 375.7 297.2 445.8

Manual Integrations

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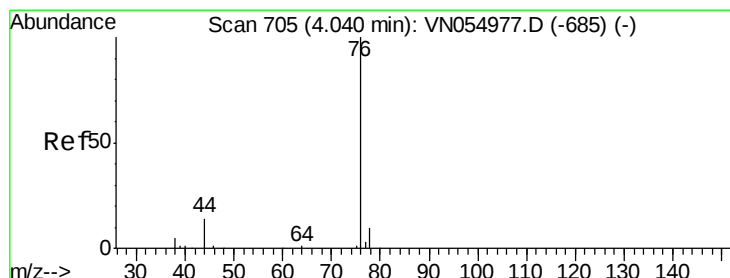
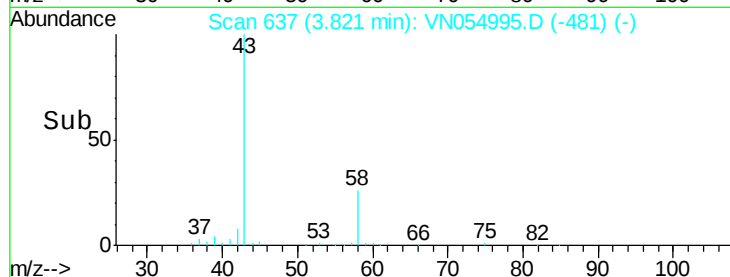
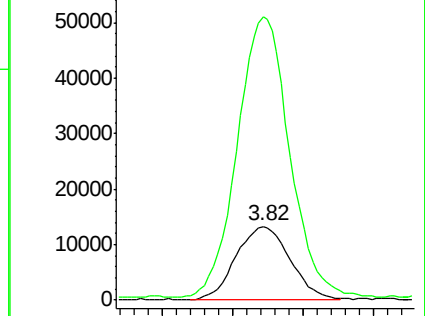
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.719 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054995.D

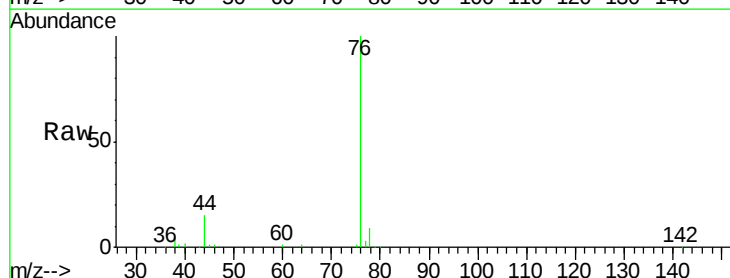
Acq: 12 Apr 2019 13:02

Tgt Ion: 76 Resp: 206625

Ion Ratio Lower Upper

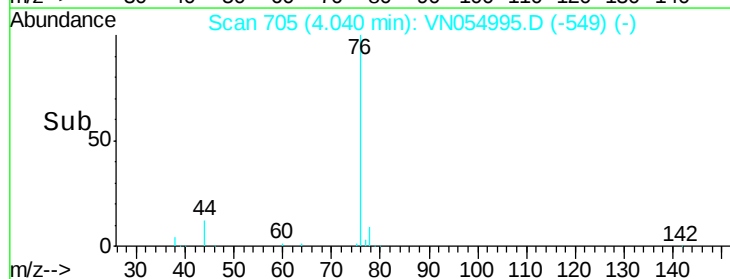
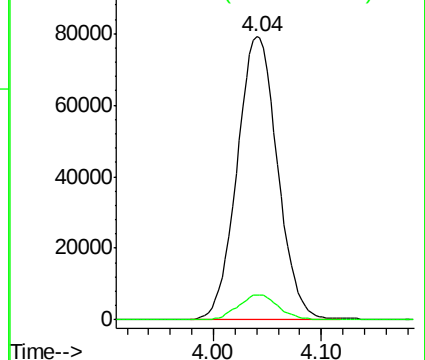
76 100

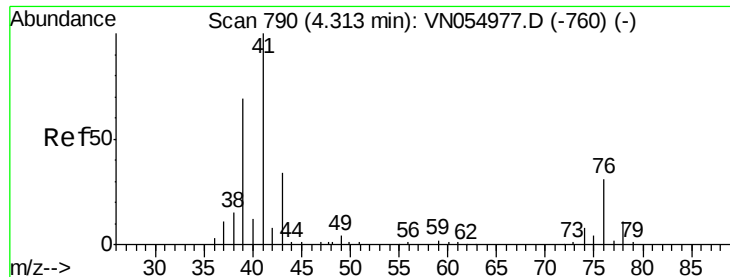
78 9.0 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 20.058 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

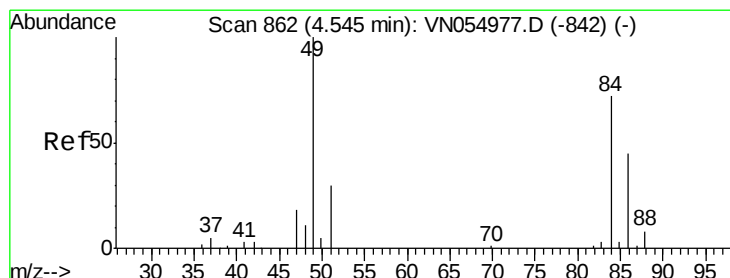
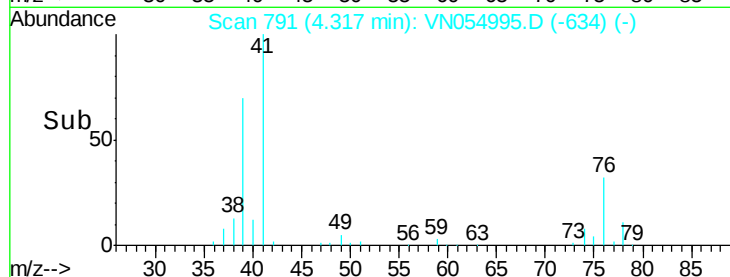
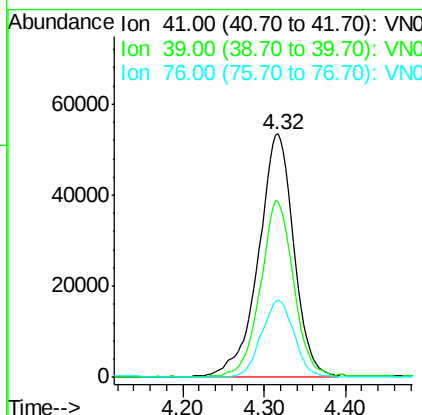
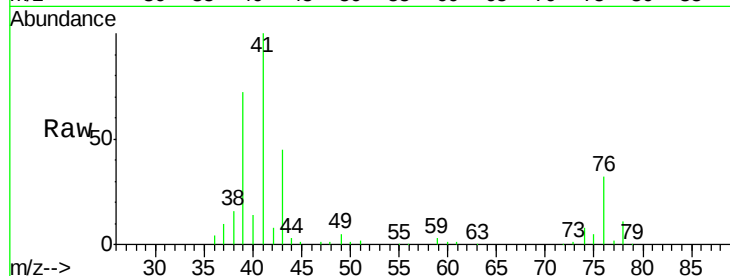
ClientSampled :

VN0412WBSD01

Tot Ion:	41	Resp:	162544
Ion	Ratio	Lower	Upper
41	100		
39	72.4	34.3	102.9
76	31.7	15.8	47.3

Manual Integrations
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#18

Methylene Chloride

Concen: 20.244 ug/l

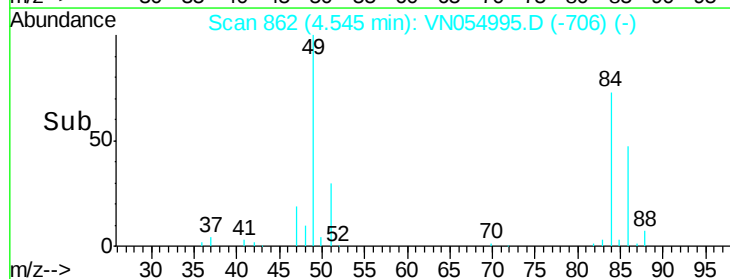
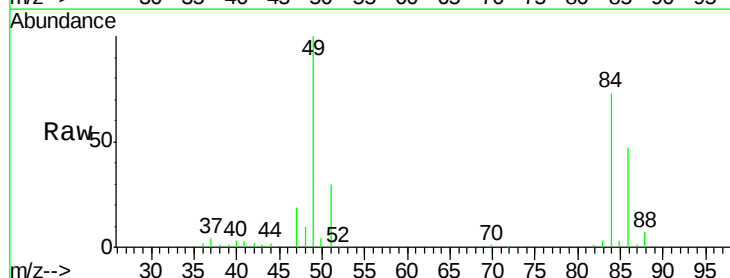
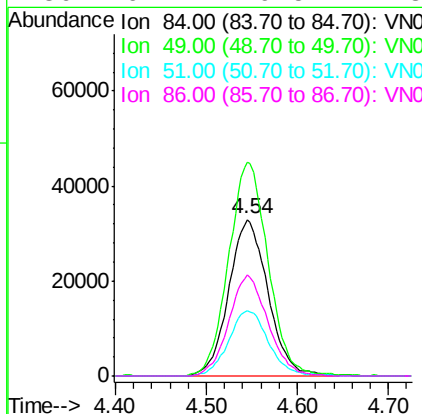
RT: 4.54 min Scan# 862

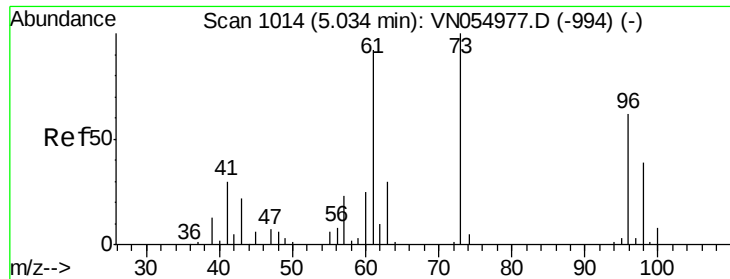
Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Tgt Ion:	84	Resp:	98474
Ion	Ratio	Lower	Upper
84	100		
49	135.5	111.0	166.4
51	41.5	33.4	50.2
86	64.2	49.5	74.3





#19

trans-1,2-Dichloroethene

Concen: 20.121 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054995.D

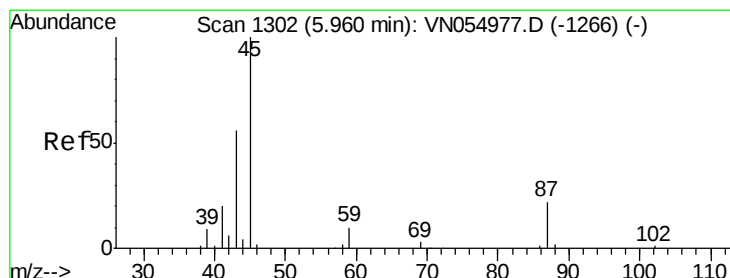
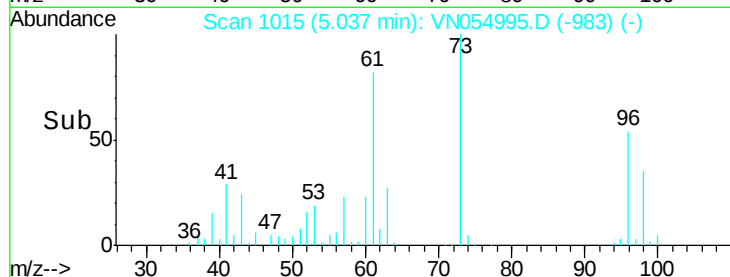
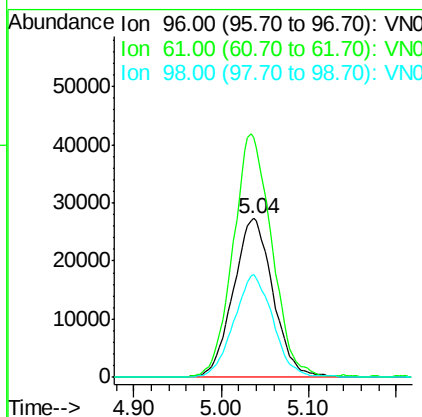
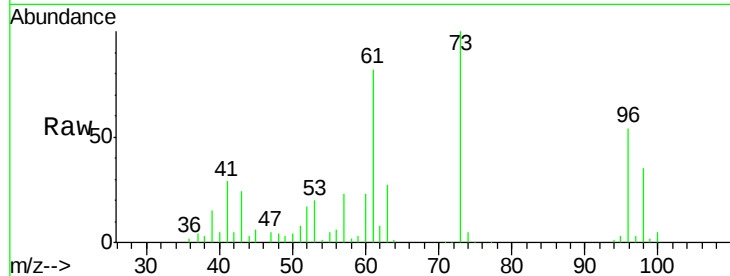
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		86195		
61	150.2		117.2	175.8	
98	64.5		49.4	74.2	

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#20

Diisopropyl ether

Concen: 19.959 ug/l

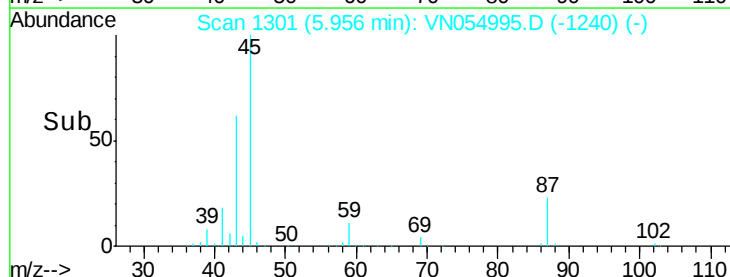
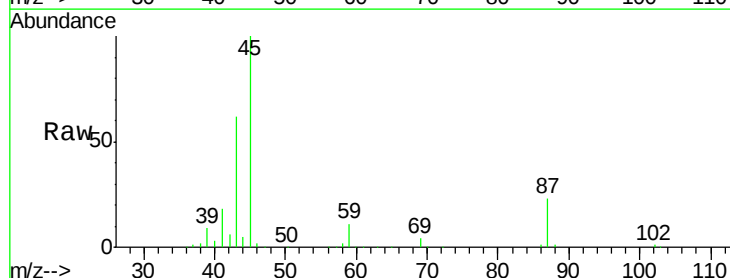
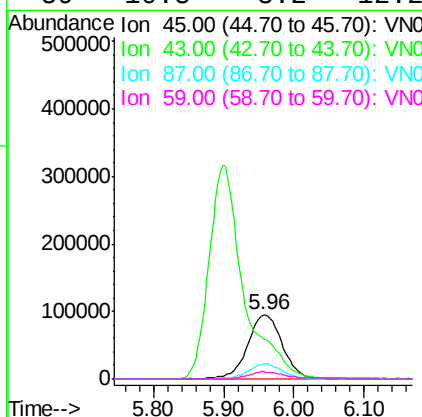
RT: 5.96 min Scan# 1301

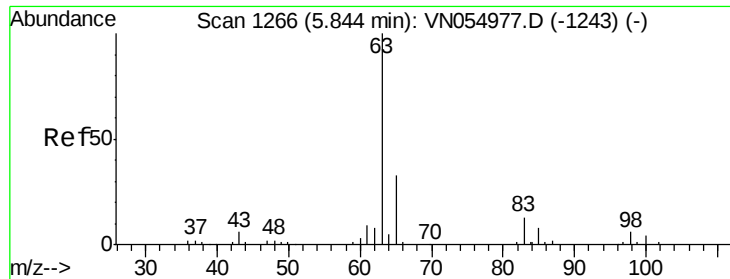
Delta R.T. -0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		327664		
43	60.4		45.8	68.8	
87	23.4		18.2	27.4	
59	10.8		8.2	12.2	





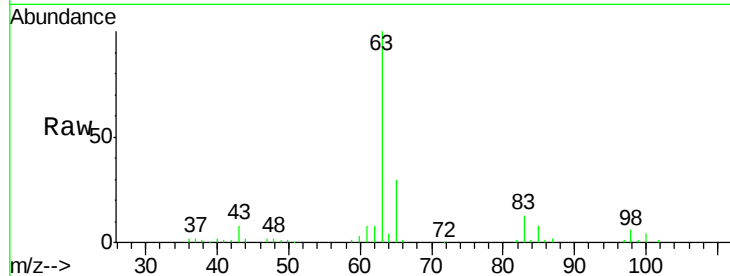
#21
 1,1-Dichloroethane
 Concen: 20.174 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

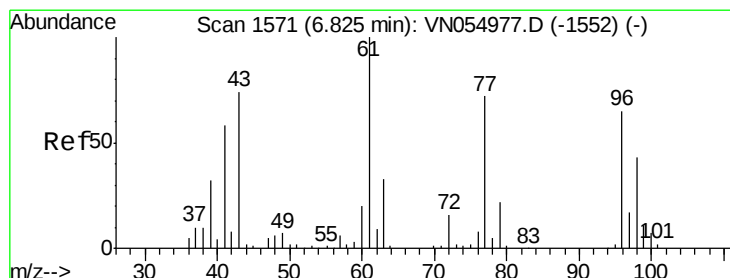
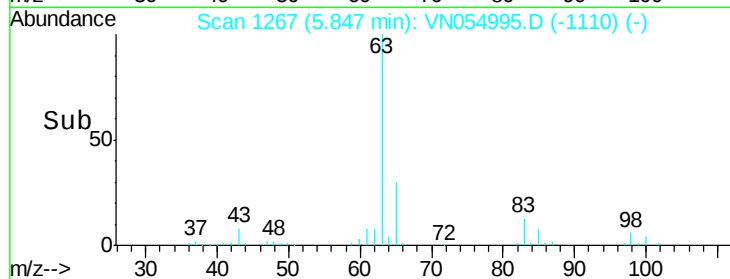
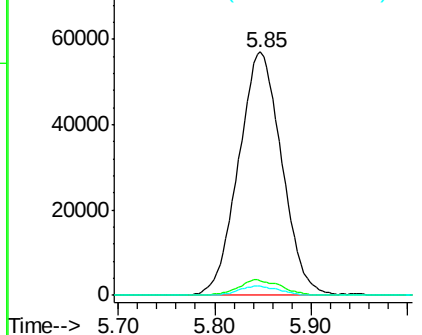
Tot Ion	Ratio	Resp	Lower	Upper
63	100	176900		
98	5.9		2.9	8.7
100	3.7		2.0	5.8

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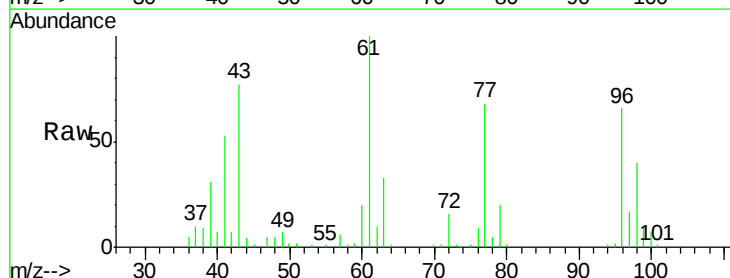


Abundance Ion 63.00 (62.70 to 63.70): VN054977.D (-1243) (-)
 Ion 98.00 (97.70 to 98.70): VN054977.D (-1243) (-)
 Ion 100.00 (99.70 to 100.70): VN054977.D (-1243) (-)

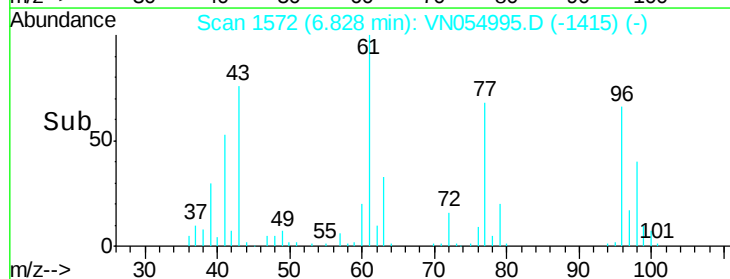
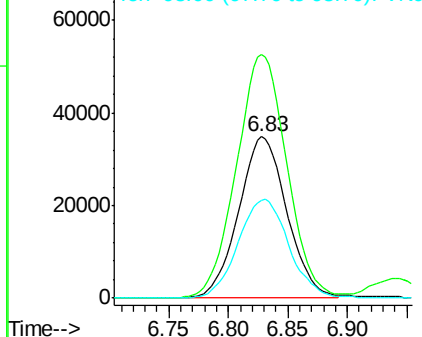


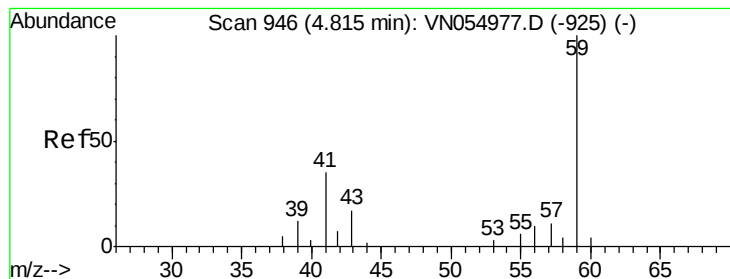
#22
 cis-1,2-Dichloroethene
 Concen: 19.664 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	97909		
61	157.4		125.0	187.6
98	64.2		52.2	78.2



Abundance Ion 96.00 (95.70 to 96.70): VN054977.D (-1552) (-)
 Ion 61.00 (60.70 to 61.70): VN054977.D (-1552) (-)
 Ion 98.00 (97.70 to 98.70): VN054977.D (-1552) (-)





#23

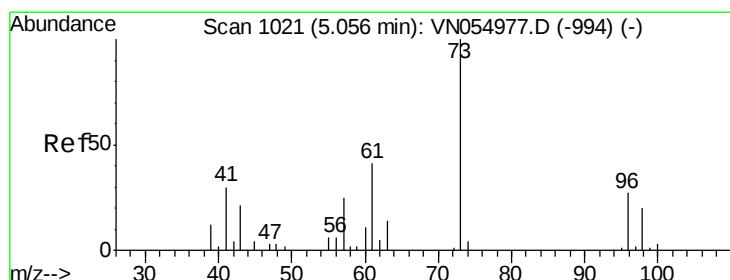
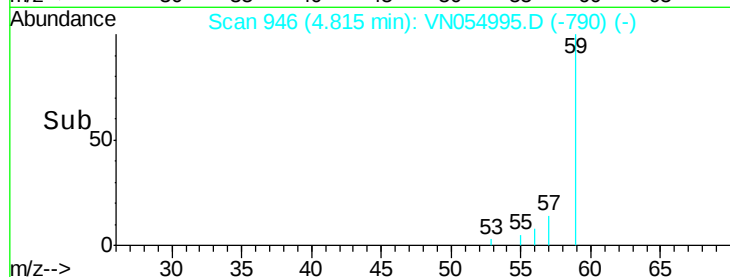
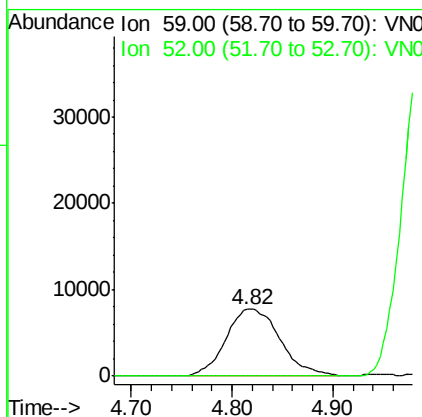
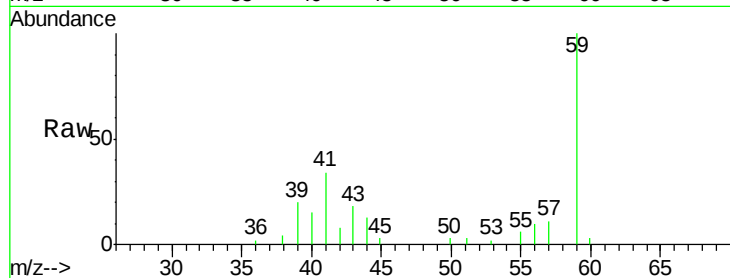
tert-Butyl Alcohol
 Concen: 109.871 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0412WBSD01

Tot Ion	59	52	Ratio	Lower	Upper
29052	100	0.0		0.0	0.0

Manual Integrations
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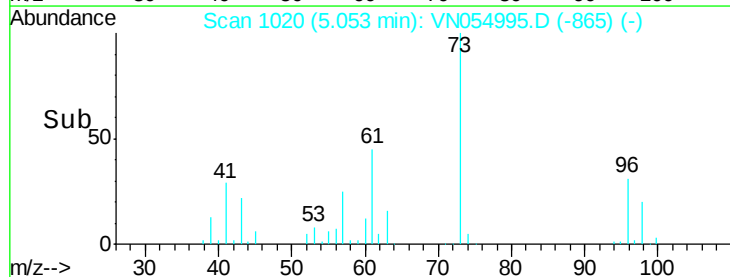
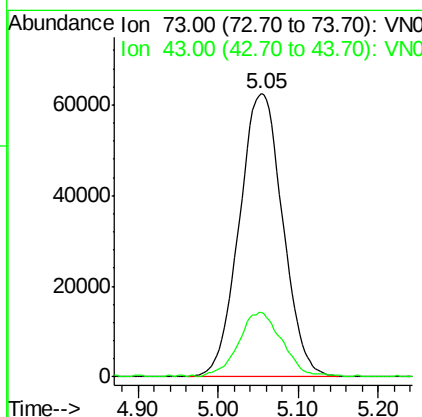
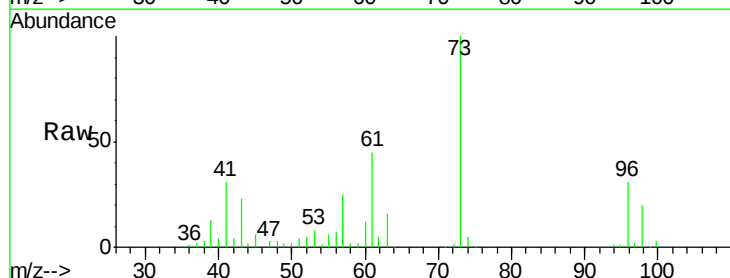
MMDadoda
 4/17/2019 9:36:58 AM

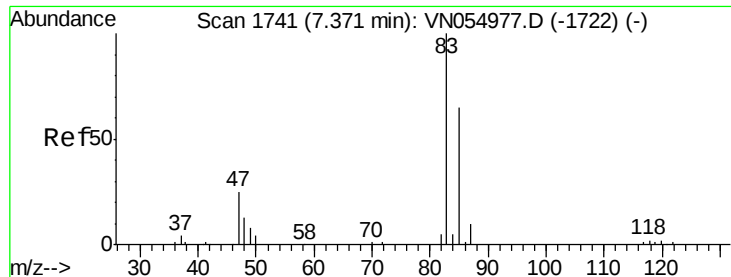


#24

Methyl tert-Butyl Ether
 Concen: 20.928 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	73	43	Ratio	Lower	Upper
231250	100	22.2		8.0	12.0





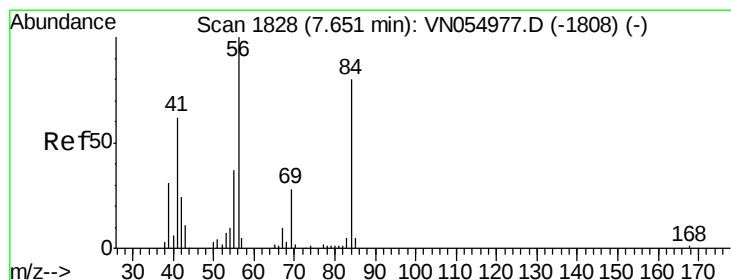
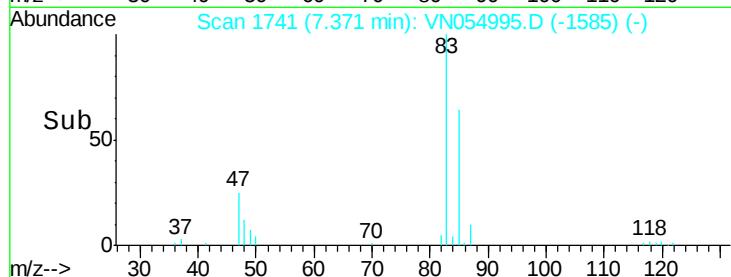
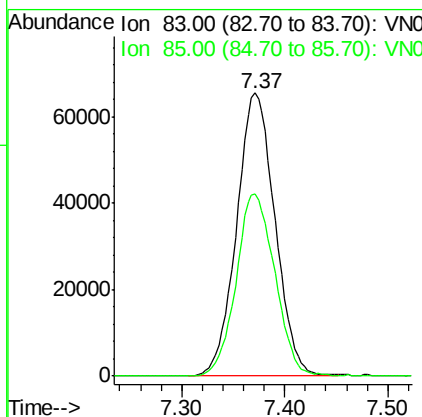
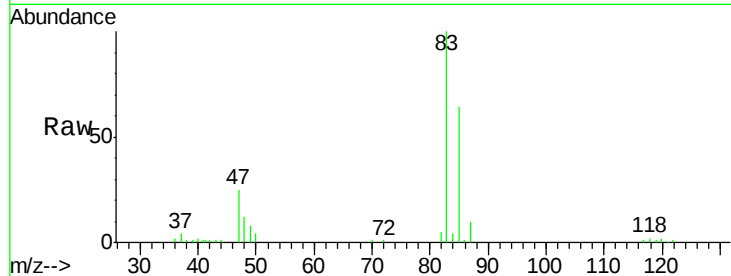
#25
Chloroform
Concen: 20.188 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	83	Resp	169566
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.8	77.8

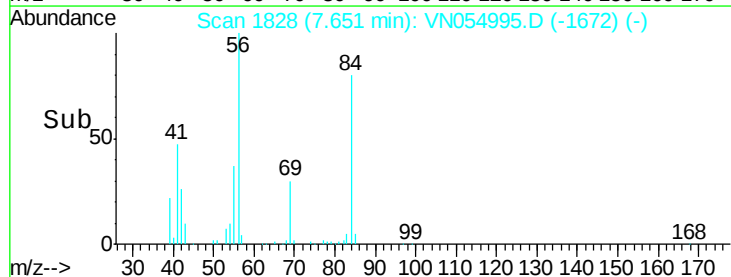
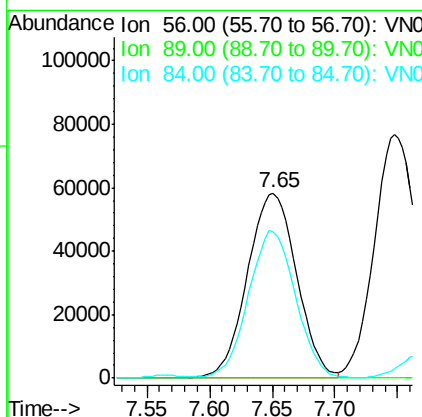
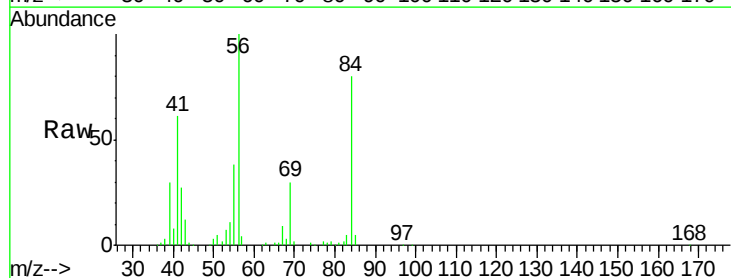
Manual Integrations
APPROVED

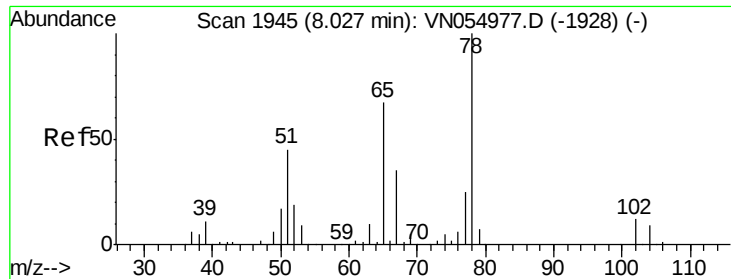
MMDadoda
4/17/2019 9:36:58 AM



#26
Cyclohexane
Concen: 19.508 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	56	Resp	158713
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	76.7	63.5	95.3





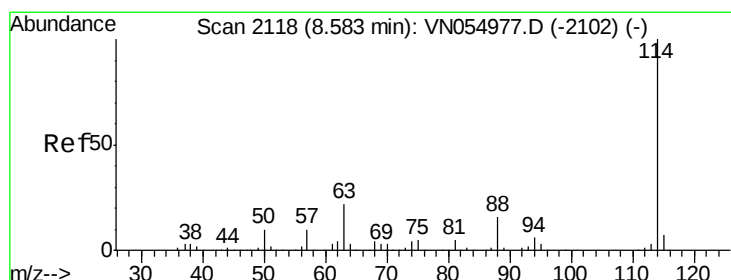
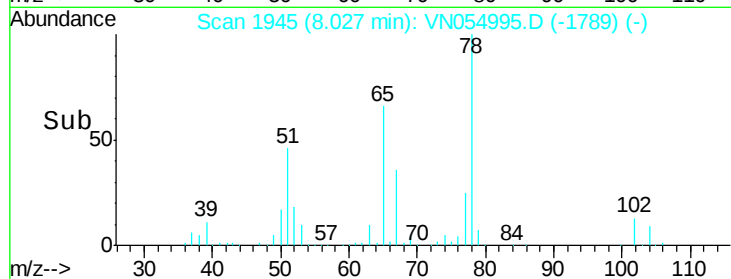
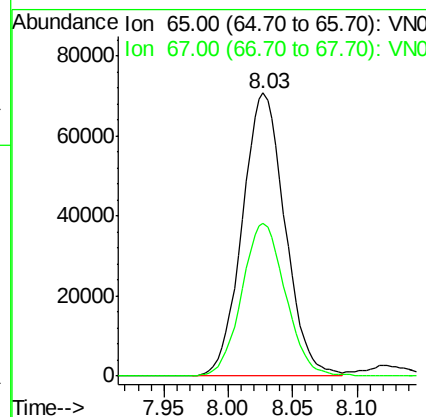
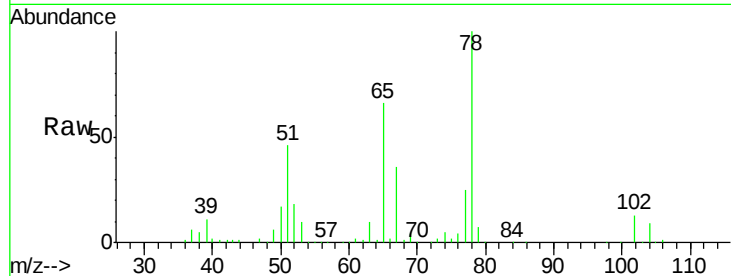
#27
 1,2-Dichloroethane-d4
 Concen: 19.508 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163351		
67	54.9		41.8	62.8

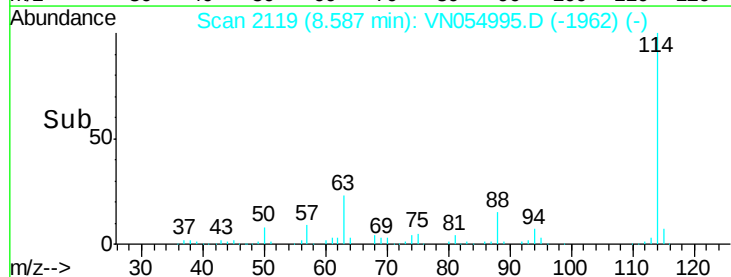
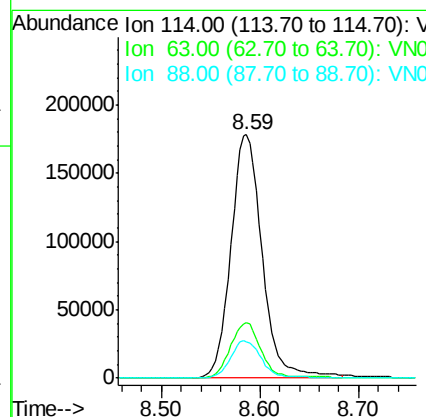
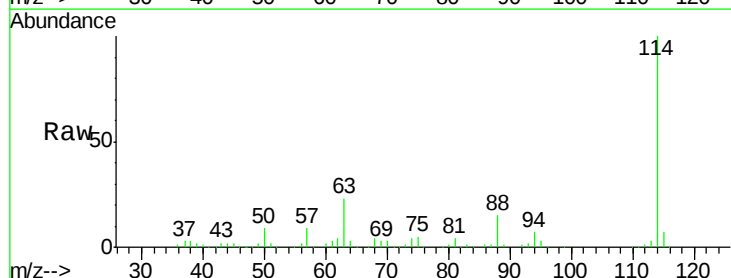
Manual Integrations
 APPROVED

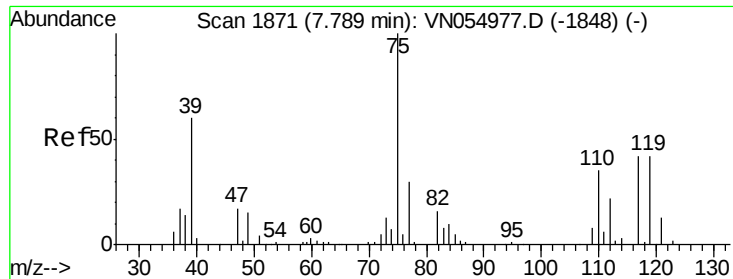
MMDadoda
 4/17/2019 9:36:58 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	394509		
63	22.0		17.0	25.4
88	15.0		12.3	18.5





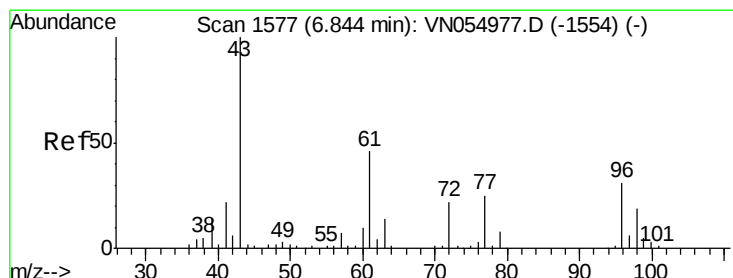
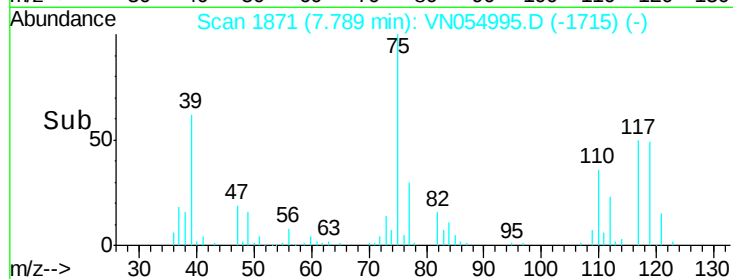
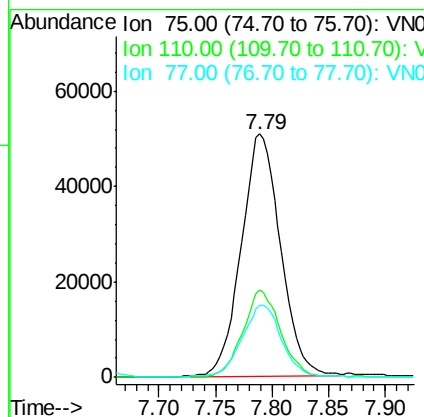
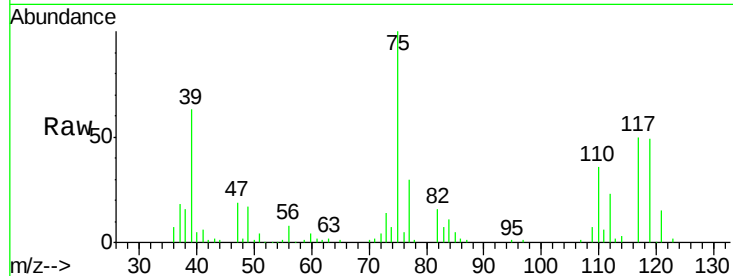
#29
 1,1-Dichloropropene
 Concen: 20.058 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.5	0.0	68.4
77	30.0	0.0	58.6

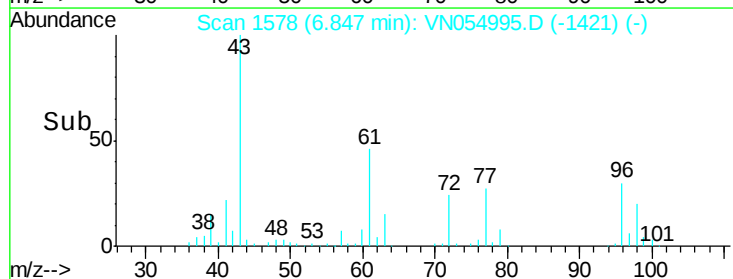
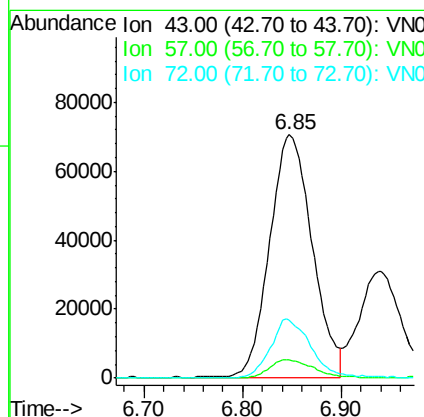
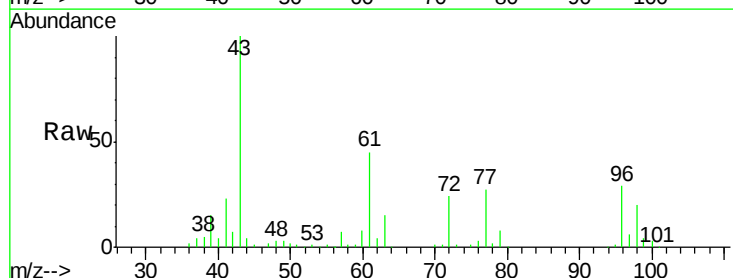
Manual Integrations
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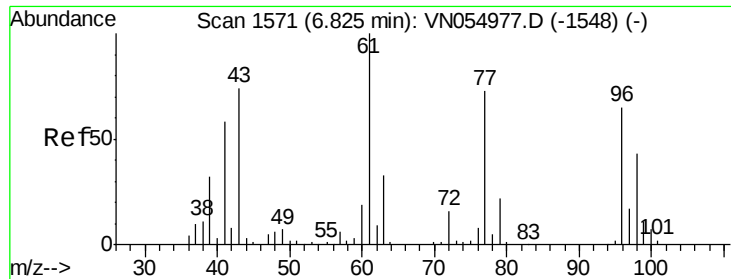
MMDadoda
 4/17/2019 9:36:58 AM



#30
 2-Butanone
 Concen: 103.177 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.6	6.0	9.0
72	23.0	18.6	27.8





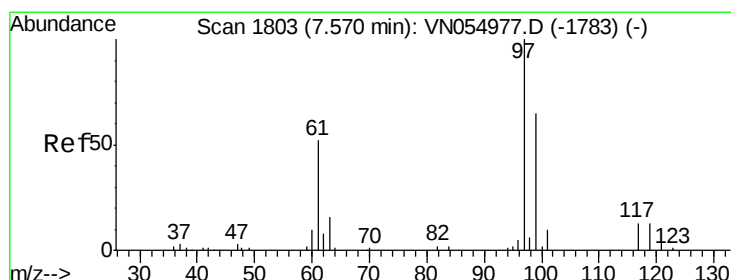
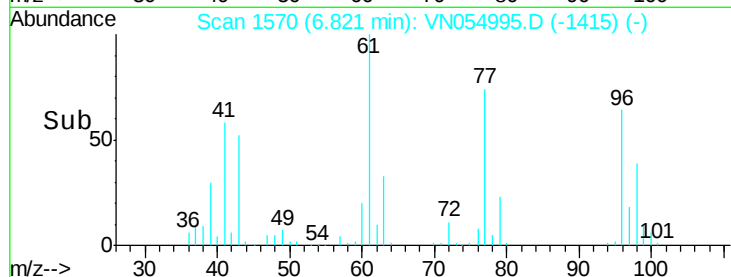
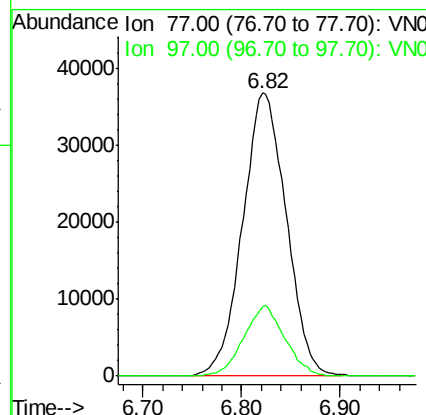
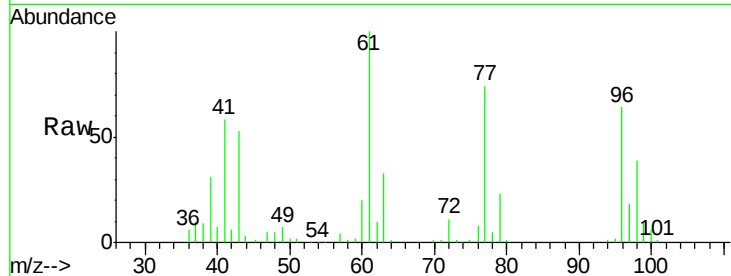
#31
 2,2-Dichloropropane
 Concen: 19.964 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Tot Ion: 77 Resp: 112896
 Ion Ratio Lower Upper
 77 100
 97 23.4 0.0 0.0#

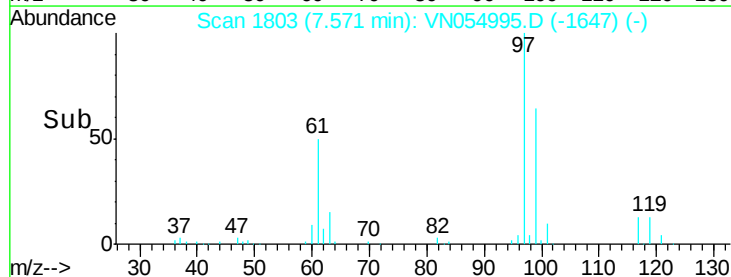
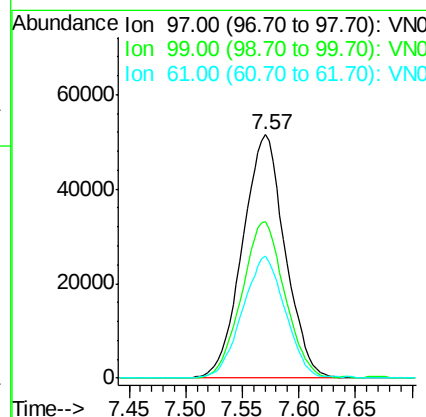
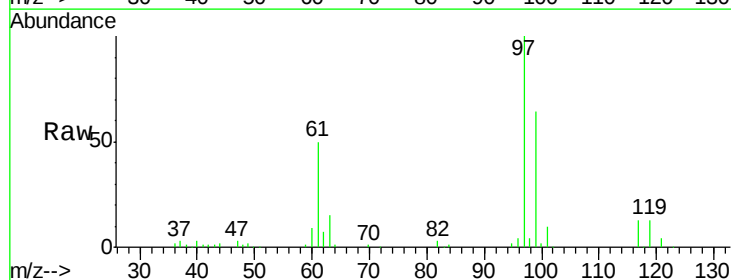
Manual Integrations
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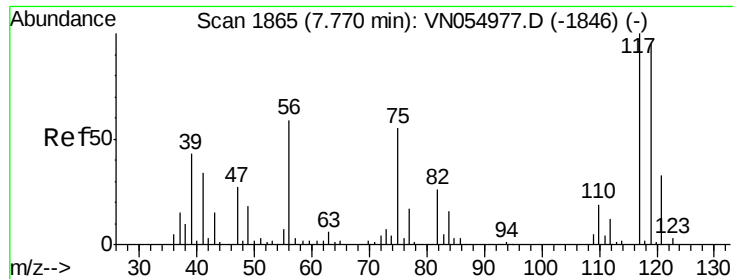
MMDadoda
 4/17/2019 9:36:58 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.723 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion: 97 Resp: 134577
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.2 76.8
 61 50.2 40.6 60.8





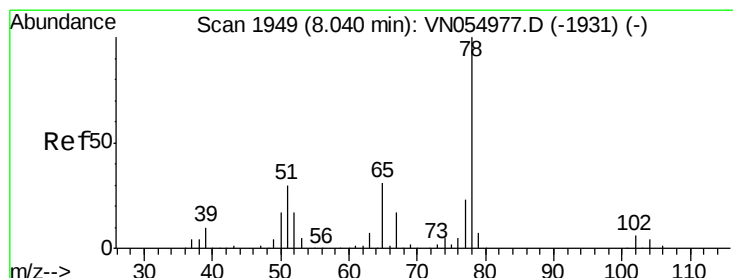
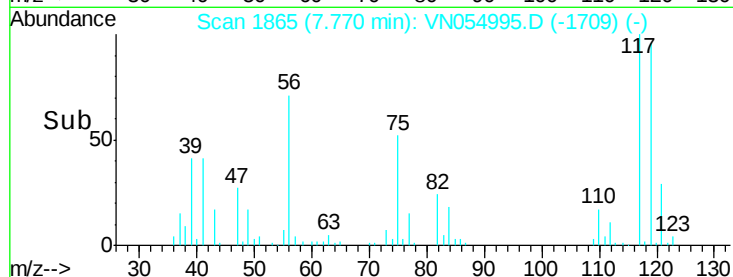
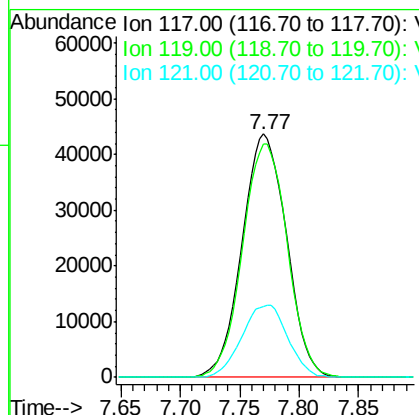
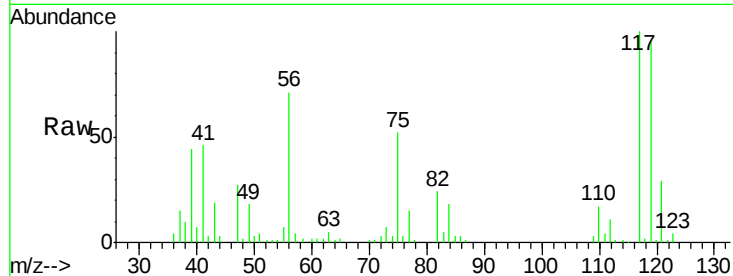
#33
Carbon Tetrachloride
Concen: 20.098 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.1	114.1
121	29.2	26.2	39.4

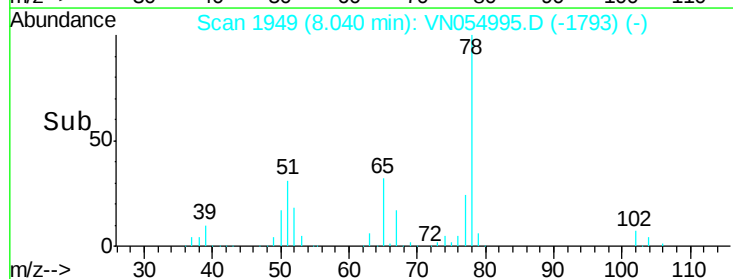
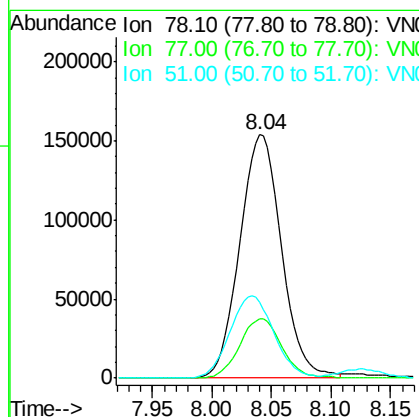
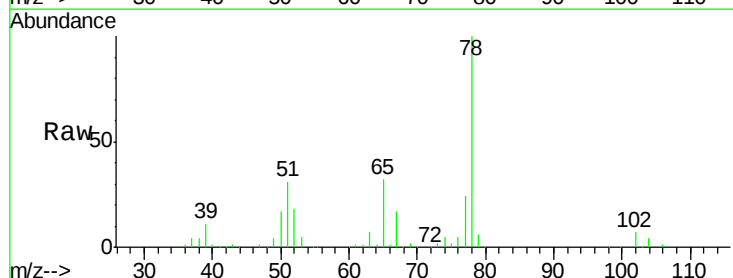
Manual Integrations
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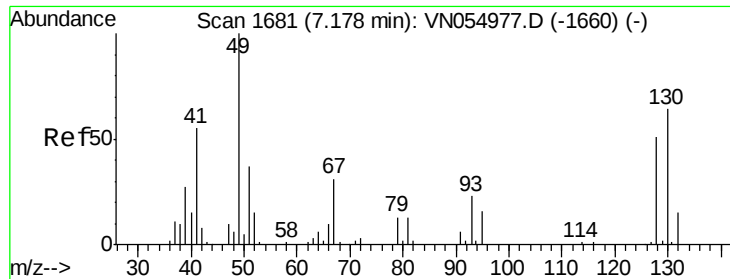
MMDadoda
4/17/2019 9:36:58 AM



#34
Benzene
Concen: 20.561 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.2	27.4
51	30.8	23.7	35.5





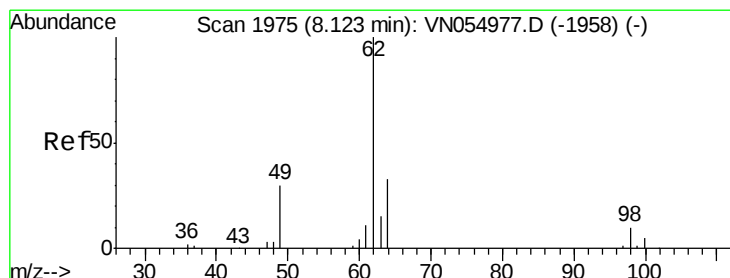
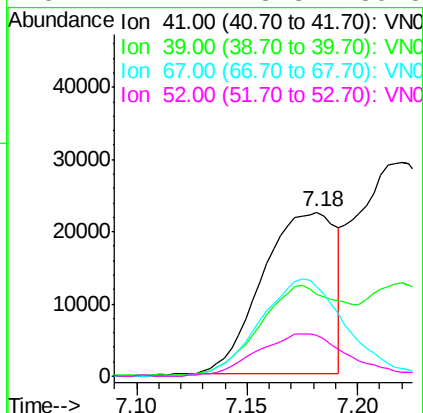
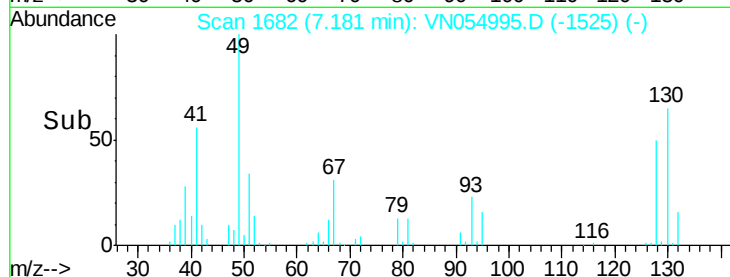
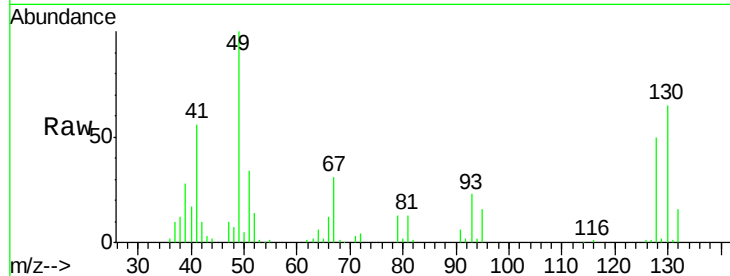
#35
Methacrylonitrile
Concen: 21.519 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	41.00	Resp:	51728
Ion	Ratio	Lower	Upper
41	100		
39	49.8	24.2	72.6
67	55.0	28.1	84.2
52	24.1	13.3	39.8

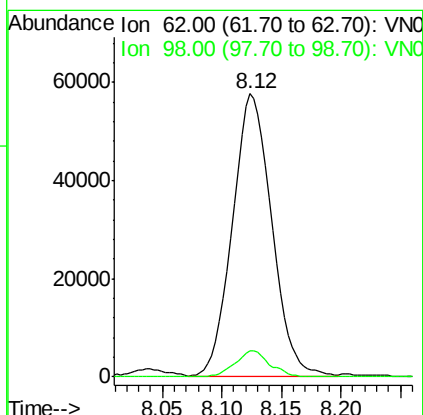
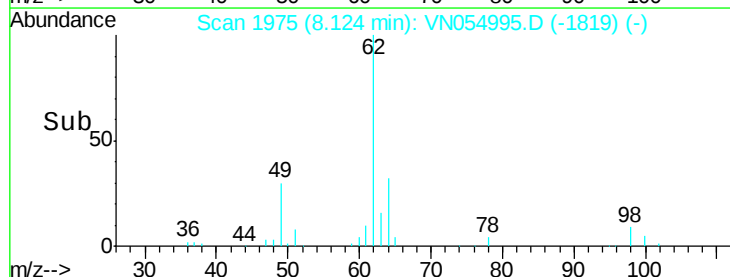
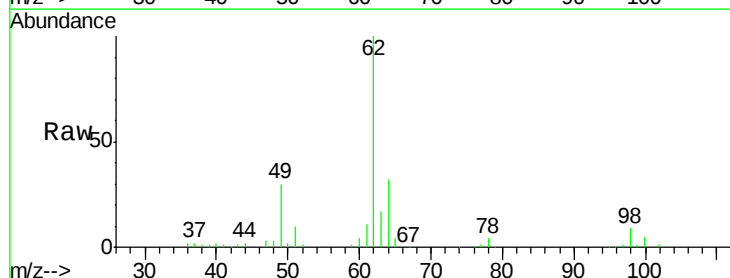
Manual Integrations
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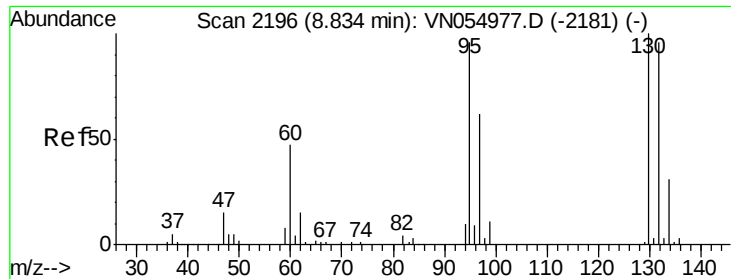
MMDadoda
4/17/2019 9:36:58 AM



#36
1,2-Dichloroethane
Concen: 21.327 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	62.00	Resp:	132714
Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.9	10.3





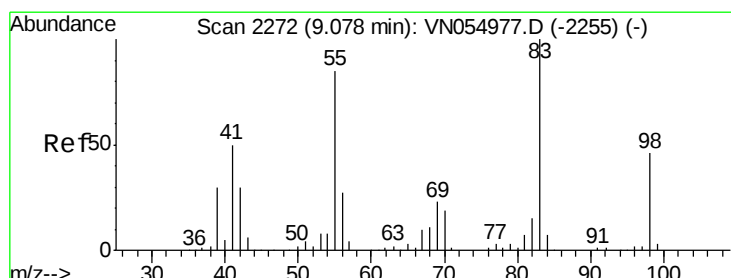
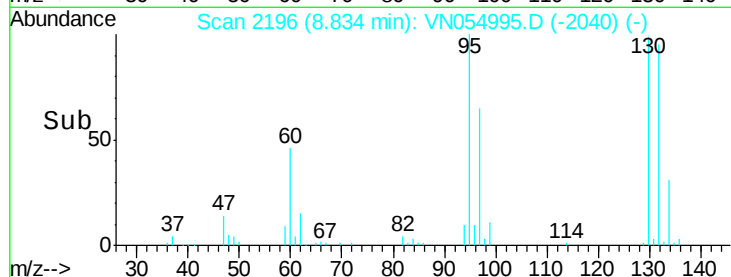
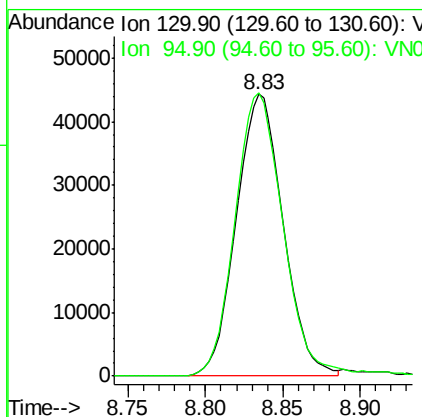
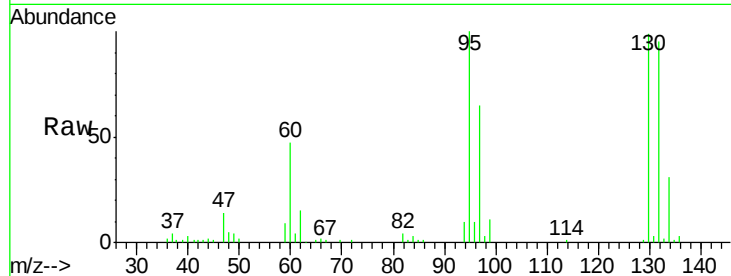
#37
 Trichloroethene
 Concen: 20.082 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Tot Ion:130 Resp: 93210
 Ion Ratio Lower Upper
 130 100
 95 100.5 76.6 115.0

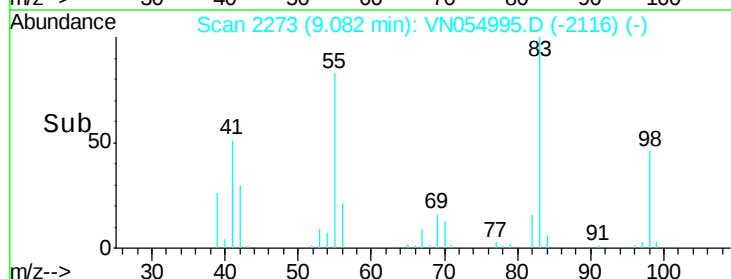
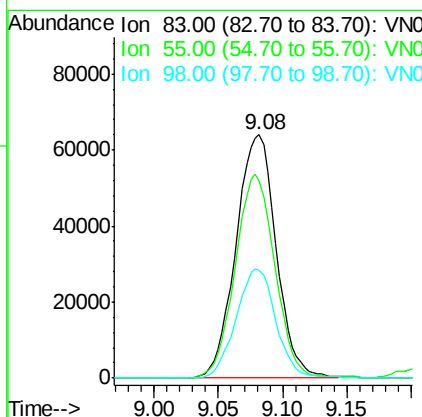
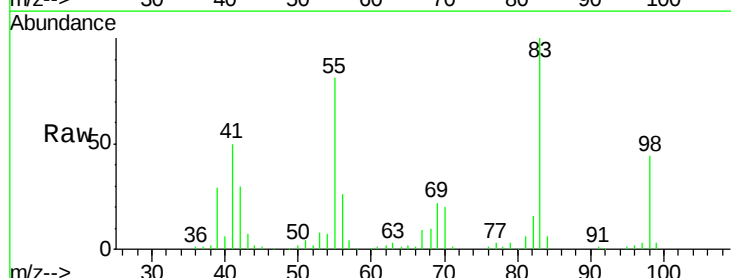
Manual Integrations
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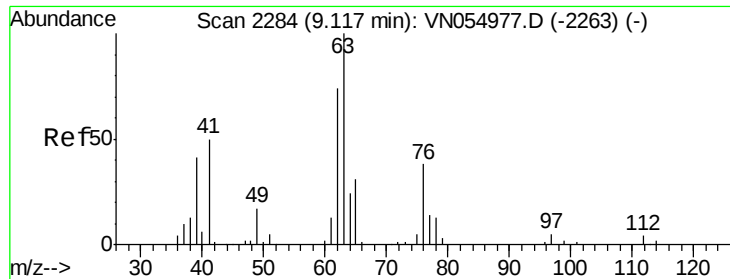
MMDadoda
 4/17/2019 9:36:58 AM



#38
 Methylcyclohexane
 Concen: 19.484 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion: 83 Resp: 138822
 Ion Ratio Lower Upper
 83 100
 55 82.9 41.9 125.6
 98 44.2 22.4 67.0





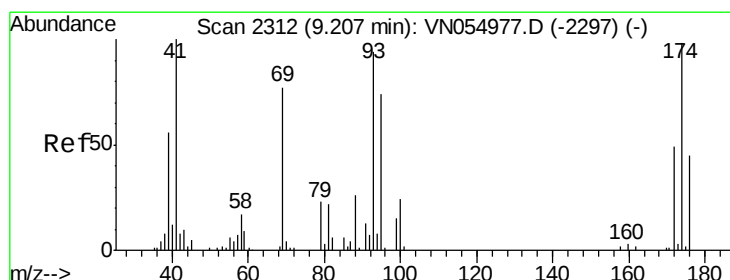
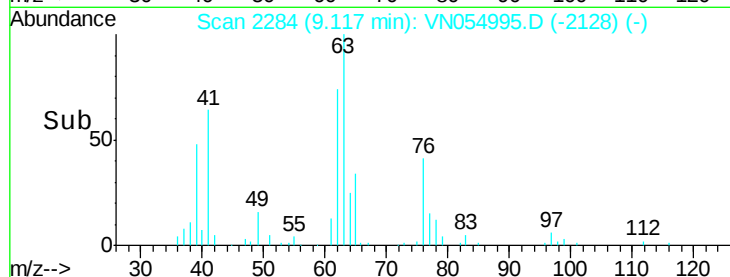
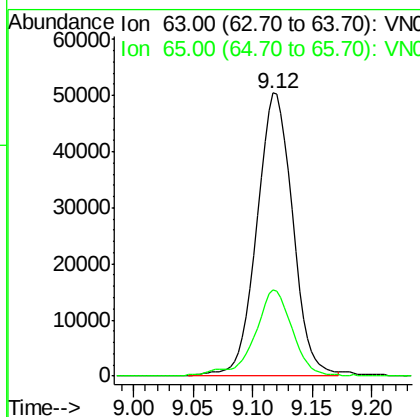
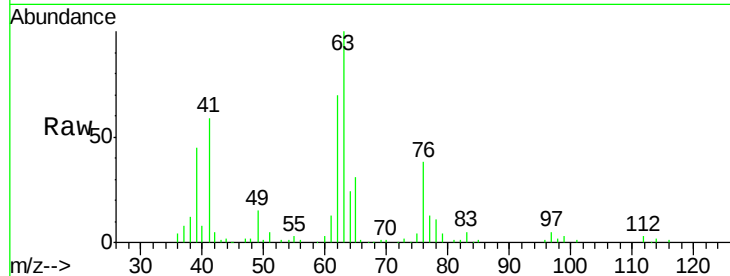
#39
 1,2-Dichloropropane
 Concen: 21.041 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Tot Ion: 63 Resp: 105782
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.8 37.2

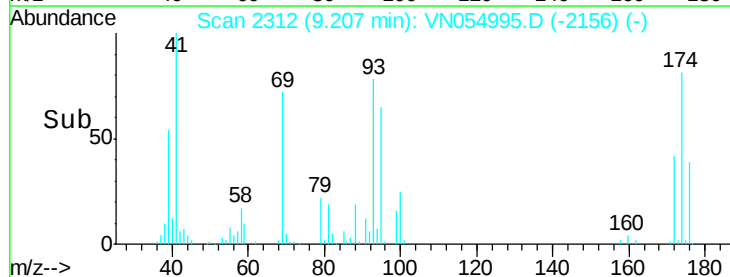
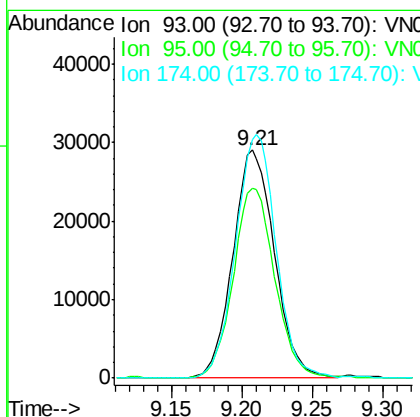
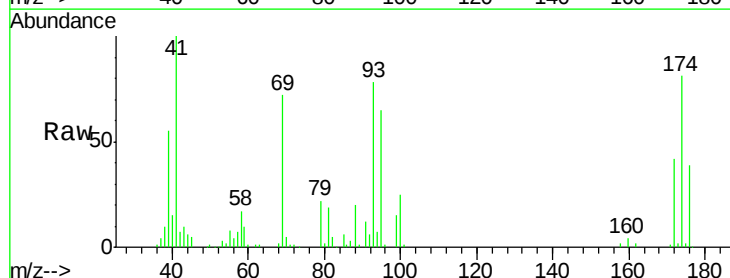
Manual Integrations
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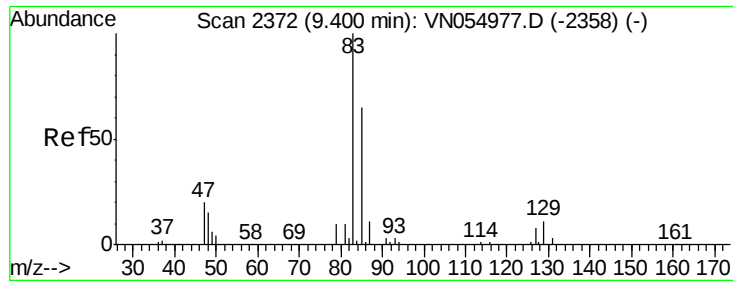
MMDadoda
 4/17/2019 9:36:58 AM



#40
 Dibromomethane
 Concen: 21.102 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion: 93 Resp: 59966
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 160.8
 174 103.8 0.0 206.4





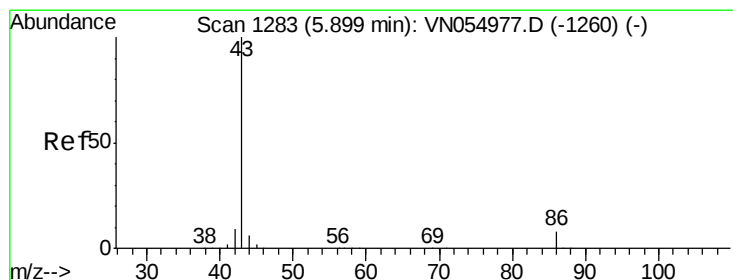
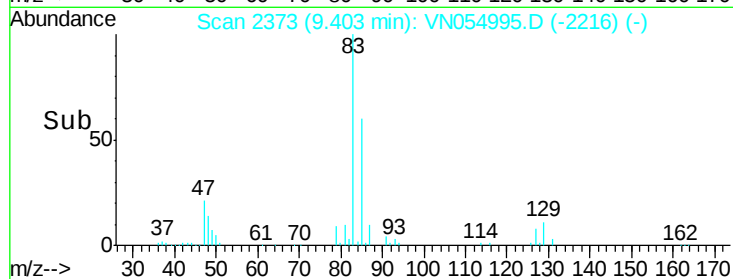
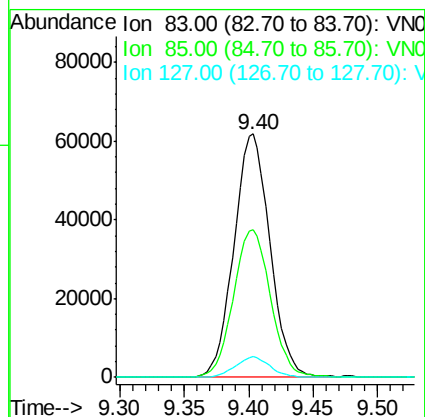
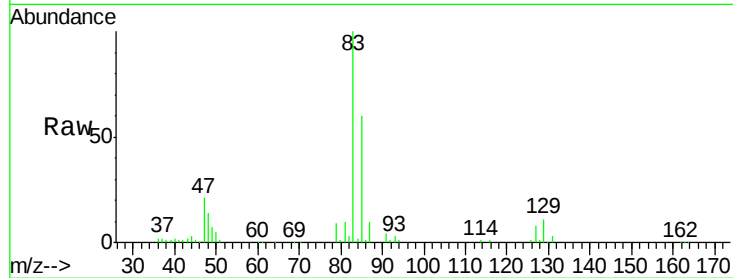
#41
Bromodichloromethane
Concen: 20.524 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	83	Resp	120367
Ion Ratio	100	Lower	Upper
83	100		
85	60.5	52.0	78.0
127	8.5	7.2	10.8

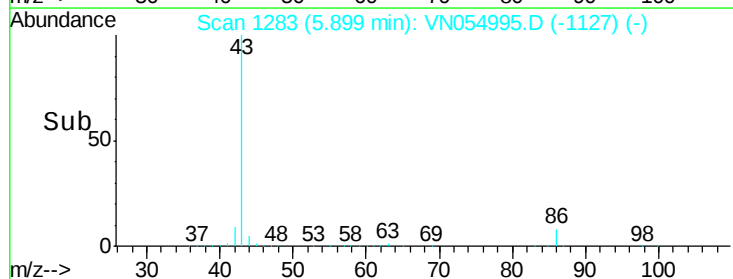
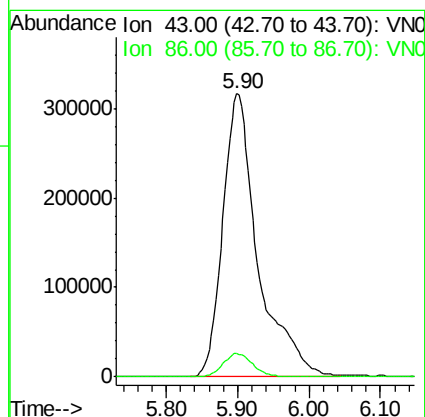
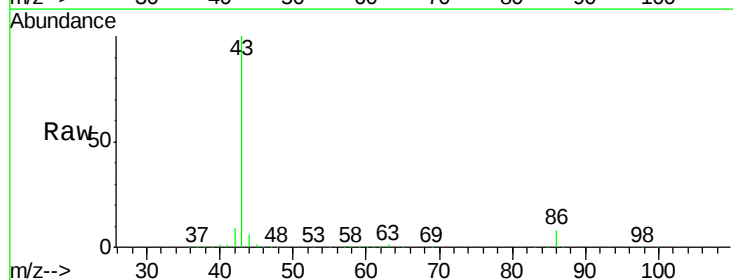
Manual Integrations
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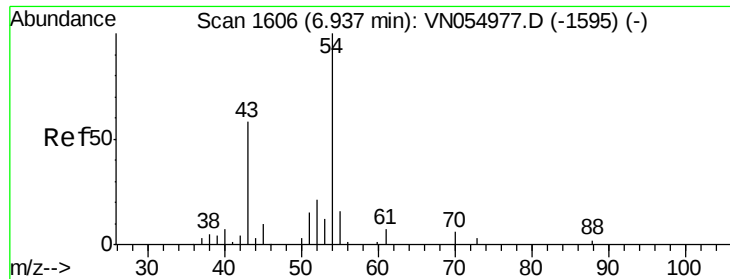
MMDadoda
4/17/2019 9:36:58 AM



#42
Vinyl Acetate
Concen: 104.520 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	43	Resp	1077658
Ion Ratio	100	Lower	Upper
43	100		
86	7.1	5.7	8.5





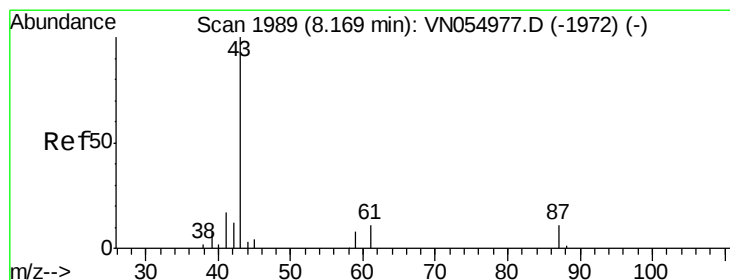
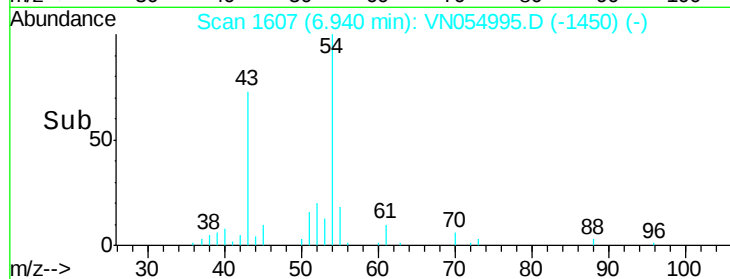
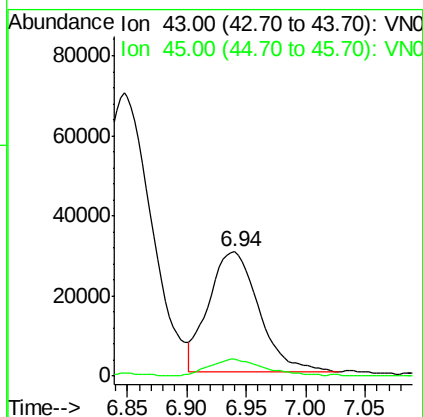
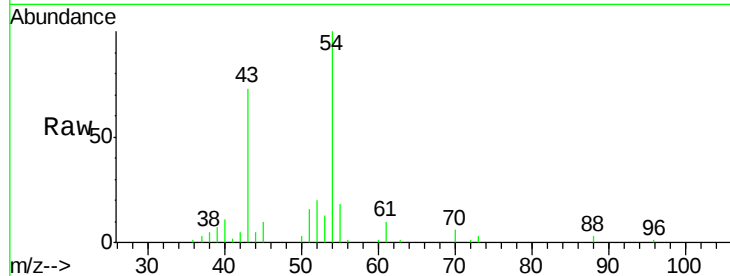
#43
Ethyl Acetate
Concen: 21.220 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion: 43 Resp: 88165
Ion Ratio Lower Upper
43 100
45 15.7 10.6 15.8

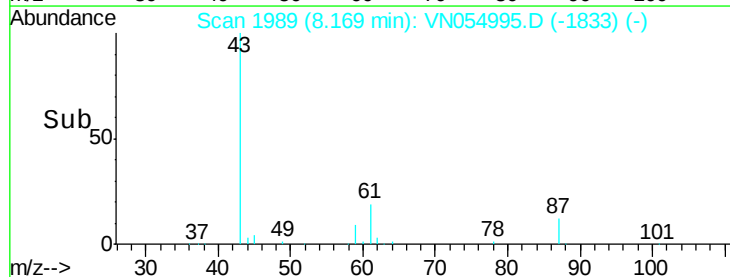
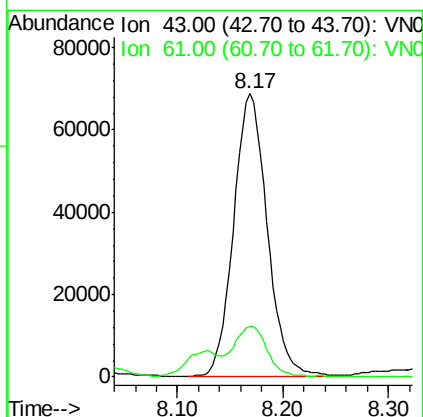
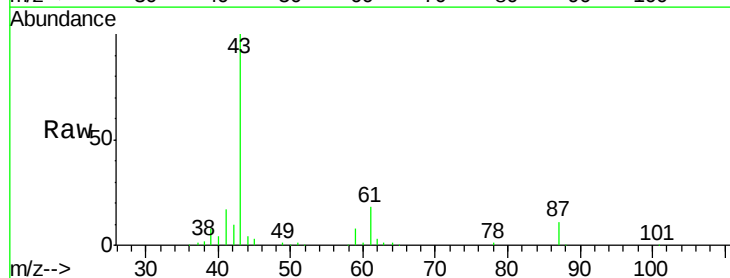
Manual Integrations
APPROVED

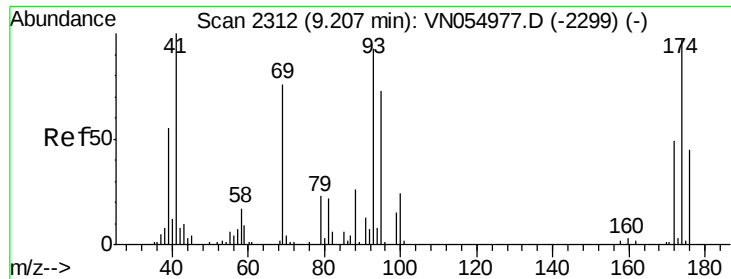
MMDadoda
4/17/2019 9:36:58 AM



#44
Isopropyl Acetate
Concen: 21.449 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 43 Resp: 151026
Ion Ratio Lower Upper
43 100
61 17.1 14.8 22.2





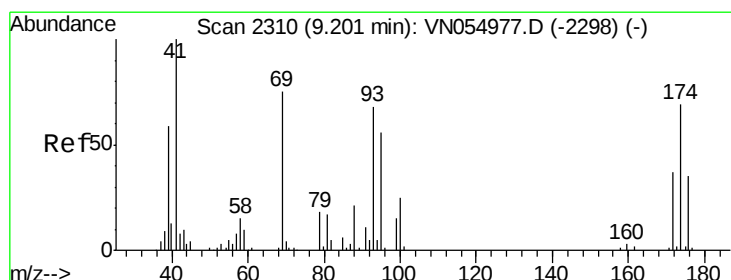
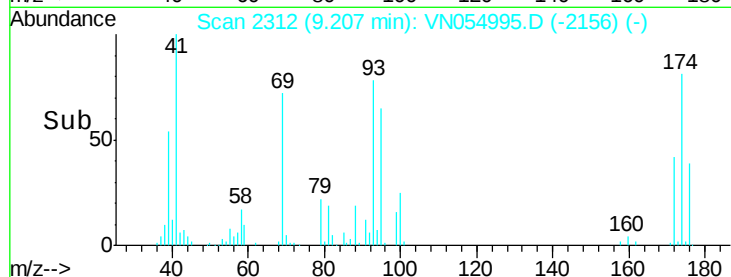
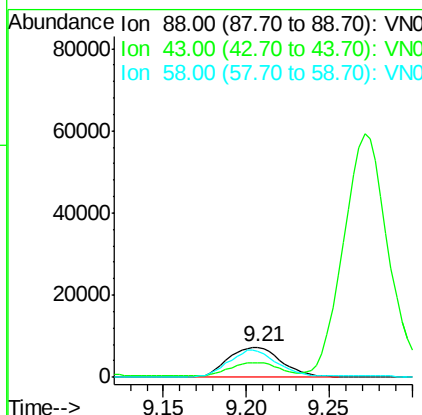
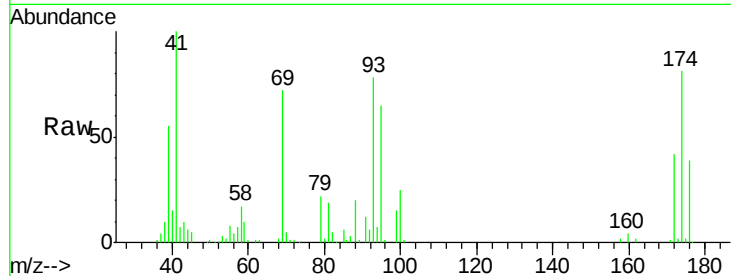
#45
1,4-Dioxane
Concen: 423.573 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	34.5	51.7
58	82.4	60.3	90.5

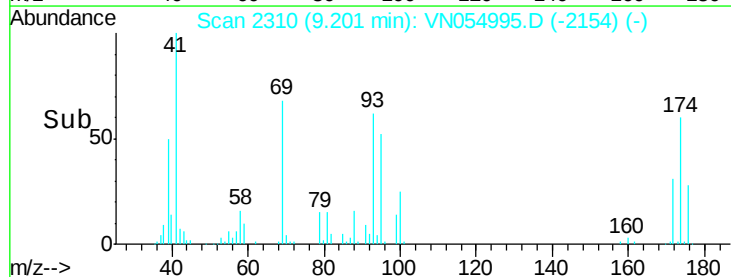
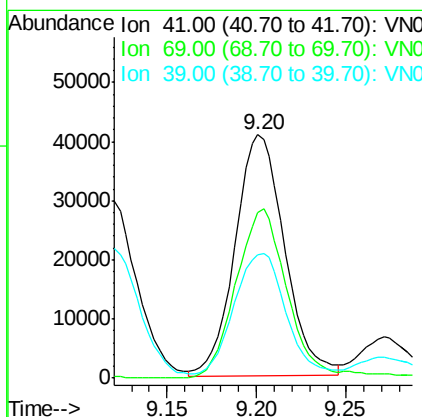
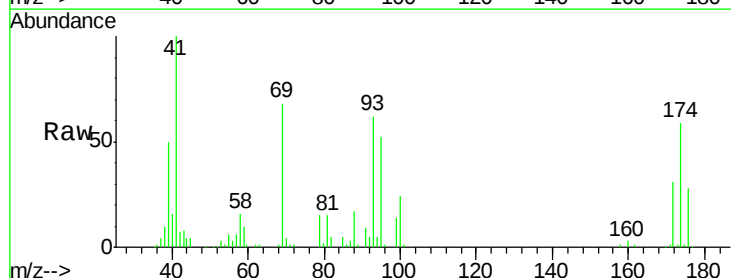
Manual Integrations
APPROVED

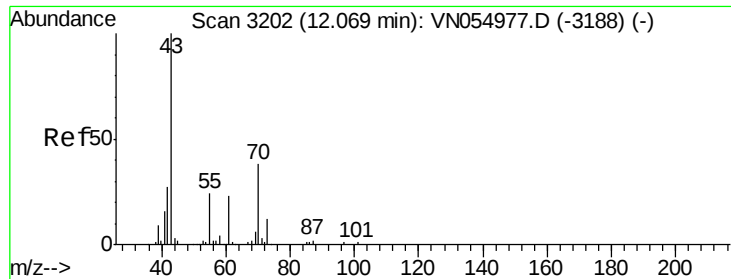
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#46
Methyl methacrylate
Concen: 21.861 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	69.9	37.3	111.9
39	49.9	29.4	88.2





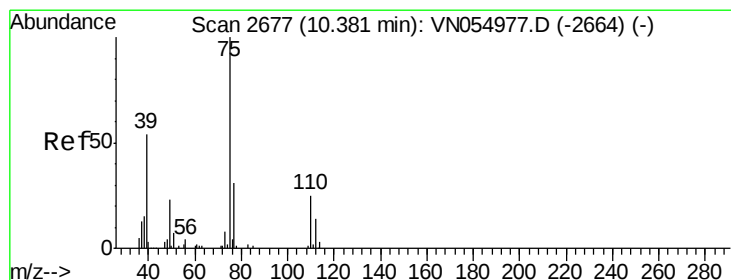
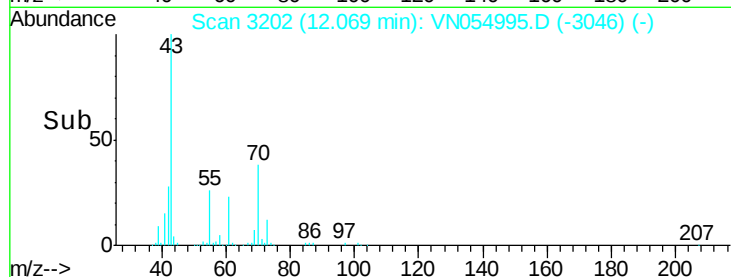
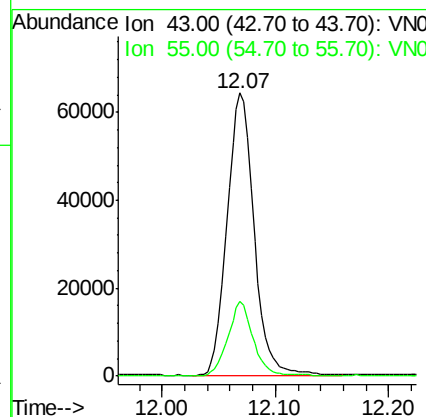
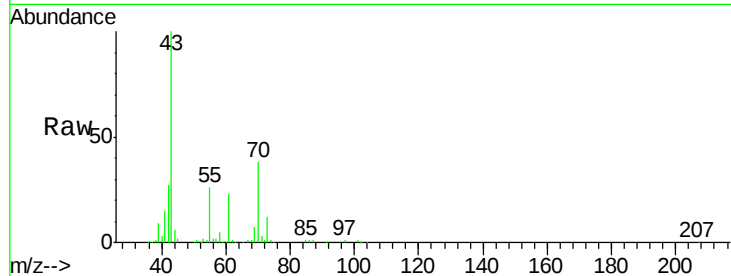
#47
n-amvl Acetate
Concen: 20.540 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0412WBSD01

Tot Ion: 43 Resp: 106520
Ion Ratio Lower Upper
43 100
55 25.0 19.8 29.6

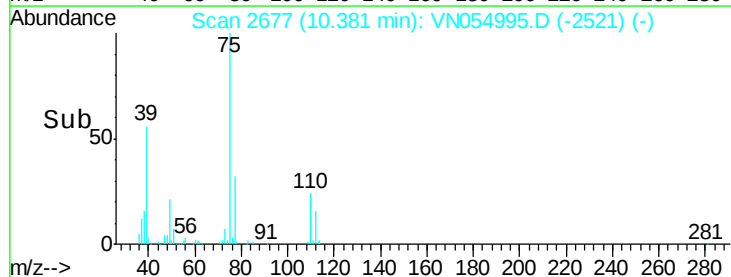
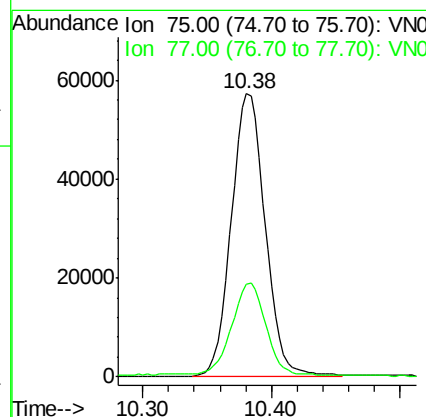
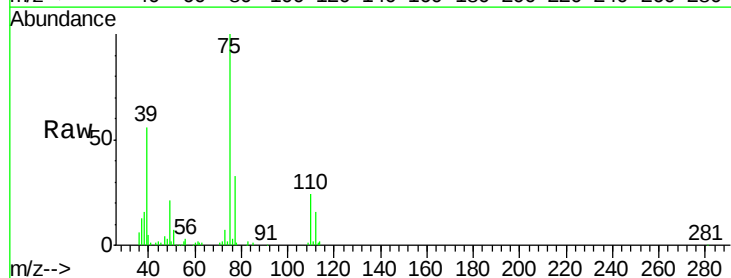
Manual Integrations
APPROVED

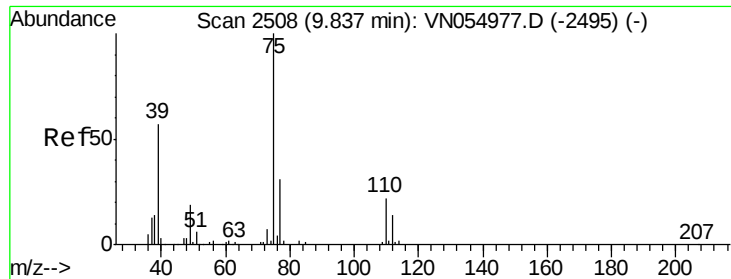
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#48
t-1,3-Dichloropropene
Concen: 19.509 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 75 Resp: 105067
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0





#49

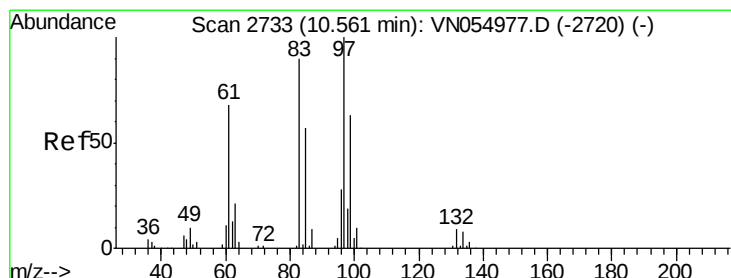
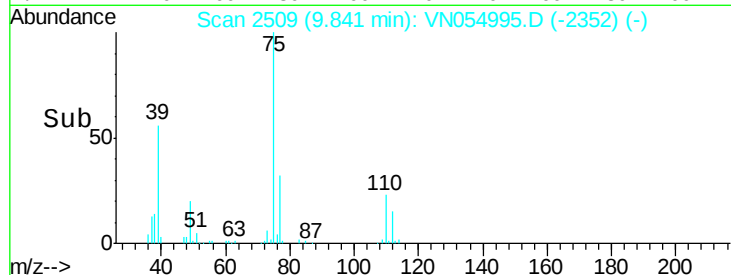
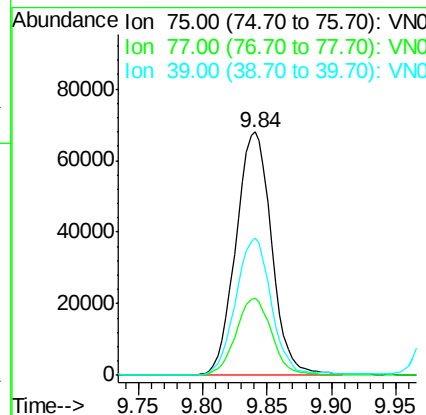
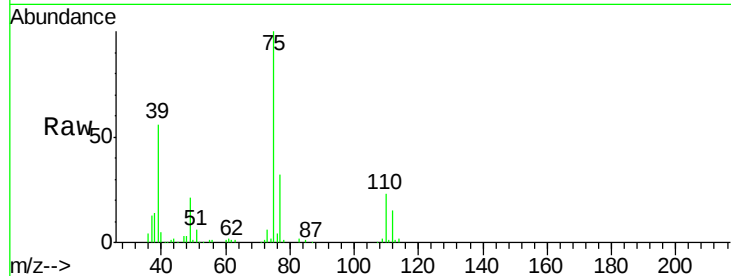
cis-1,3-Dichloropropene
Concen: 19.701 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	56.3	45.3	67.9

Manual Integrations
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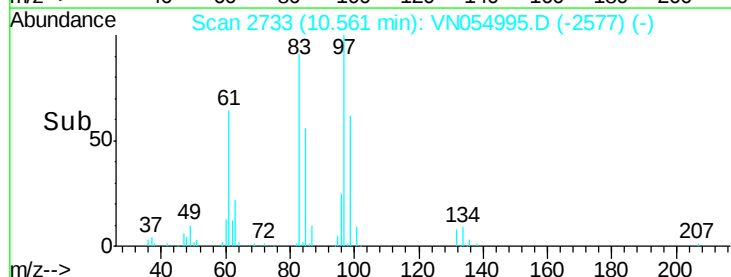
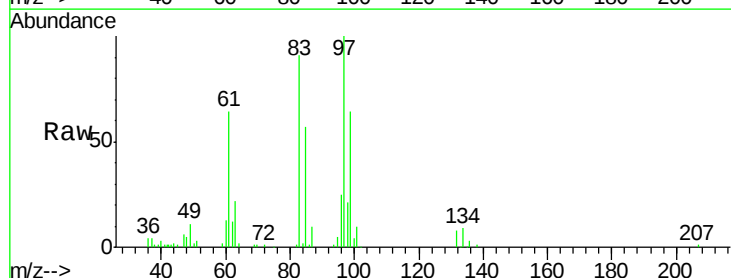
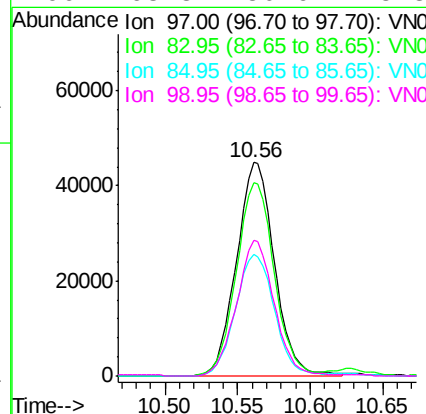
MMDadoda
4/17/2019 9:36:58 AM

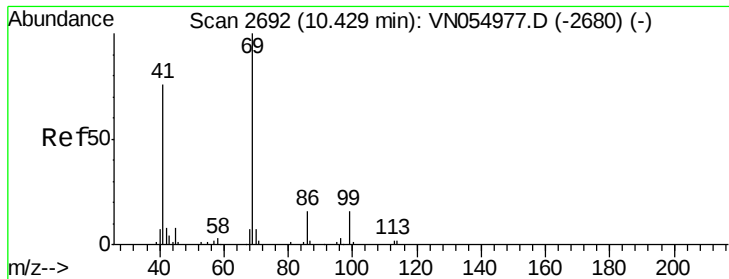


#50

1,1,2-Trichloroethane
Concen: 21.176 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.6	72.1	108.1
85	56.8	45.4	68.0
99	63.8	50.6	75.8





#51

Ethyl methacrylate

Concen: 20.203 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

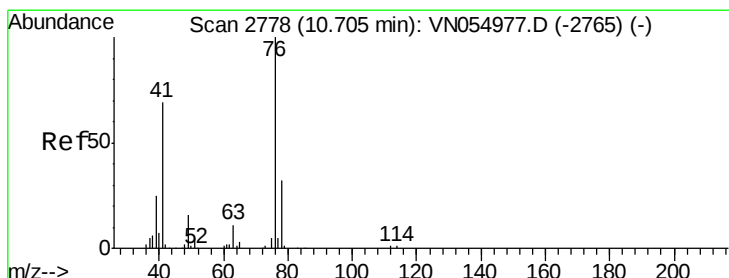
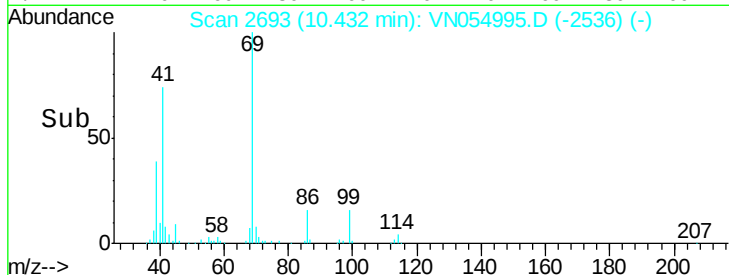
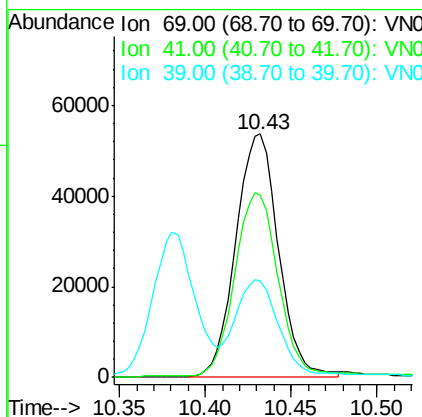
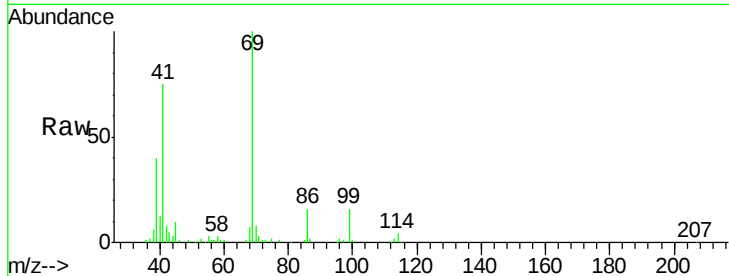
ClientSampled :

VN0412WBSD01

Tot Ion:	69	Resp:	92953
Ion	Ratio	Lower	Upper
69	100		
41	74.5	37.9	113.7
39	38.2	19.8	59.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.984 ug/l

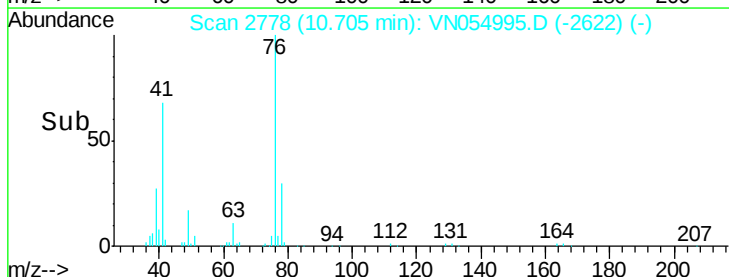
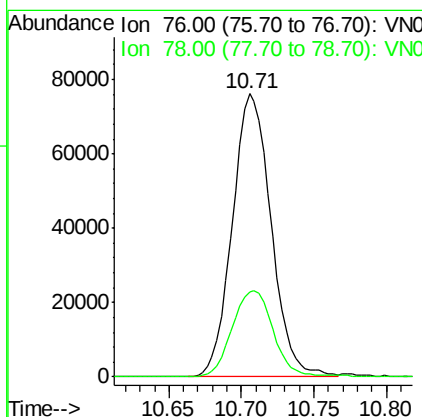
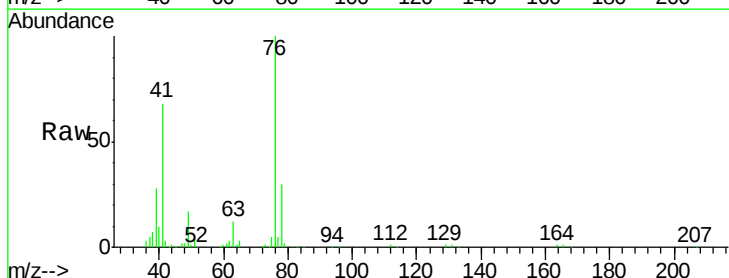
RT: 10.71 min Scan# 2778

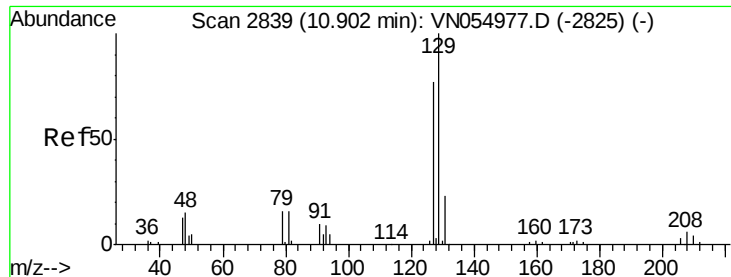
Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Tgt Ion:	76	Resp:	141920
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	64.4





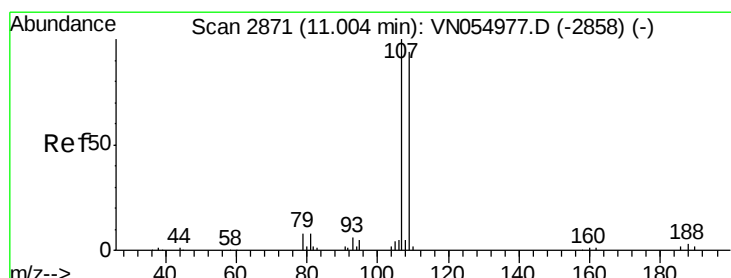
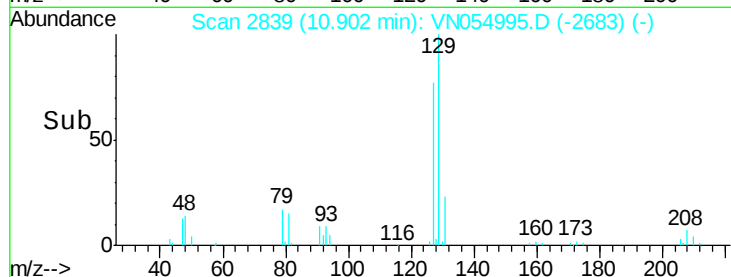
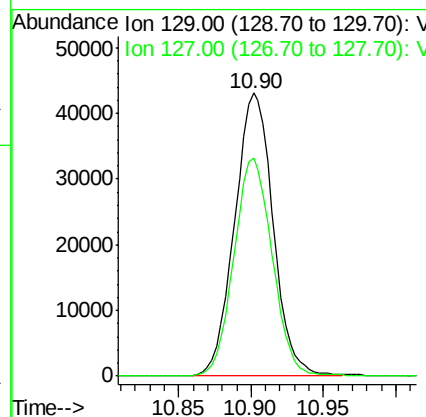
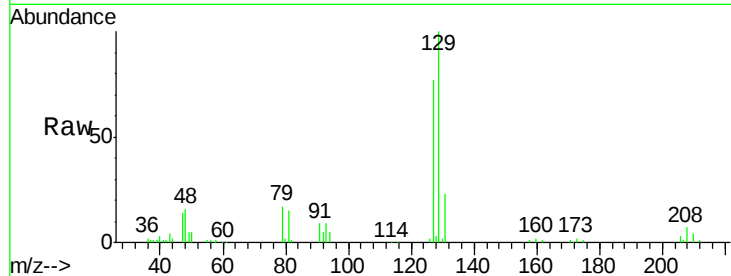
#53
 Dibromochloromethane
 Concen: 20.046 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	76.4	37.8	113.3	

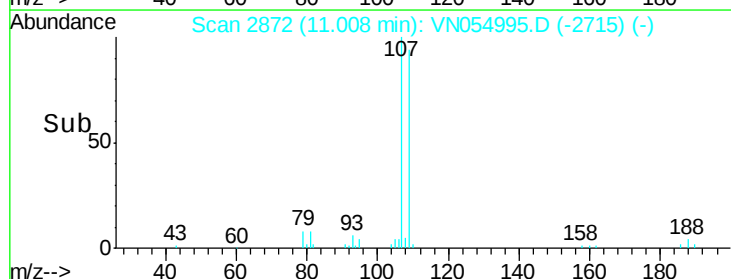
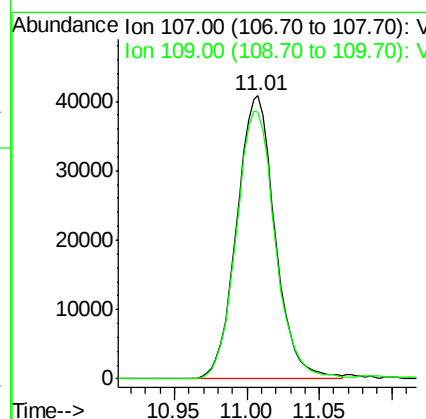
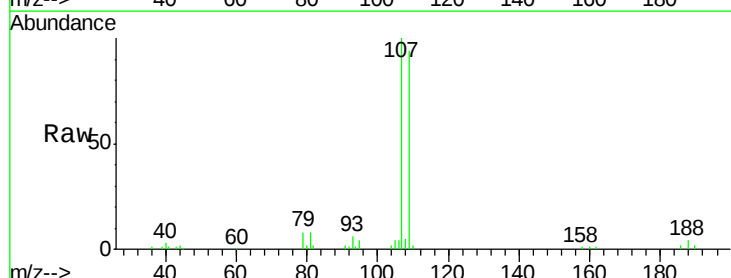
Manual Integrations
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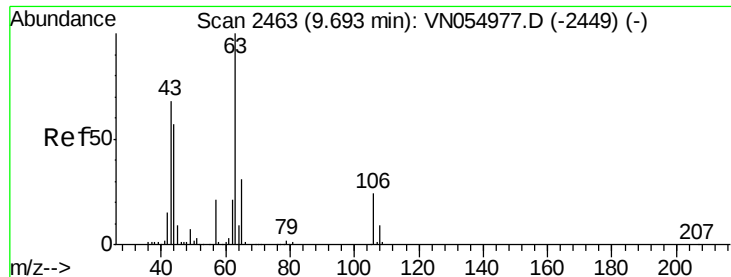
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 4/17/2019 9:36:58 AM



#54
 1,2-Dibromoethane
 Concen: 20.691 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	95.9	76.2	114.2	





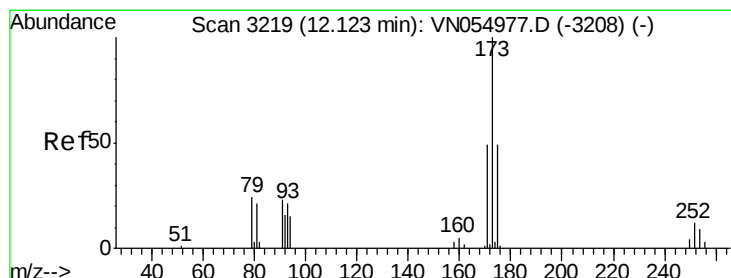
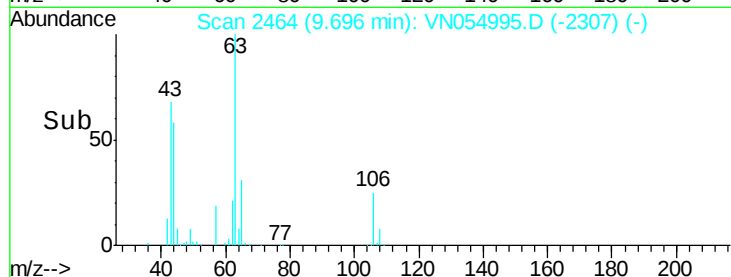
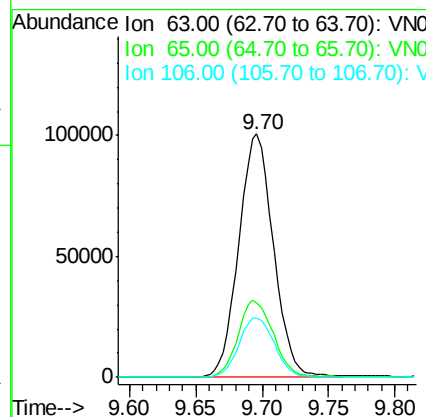
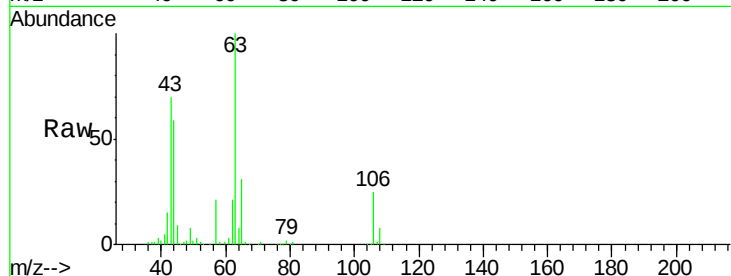
#55
 2-Chloroethyl vinyl ether
 Concen: 95.374 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.0
106	24.9	19.8	29.6

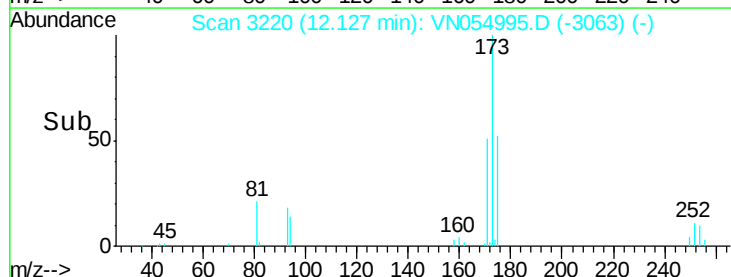
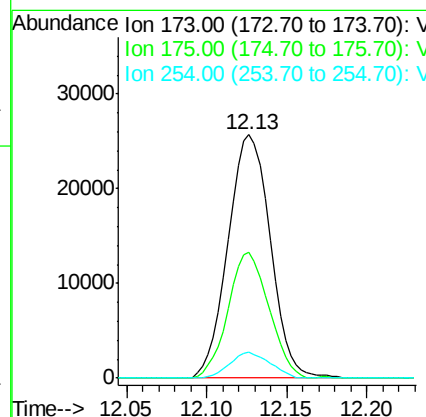
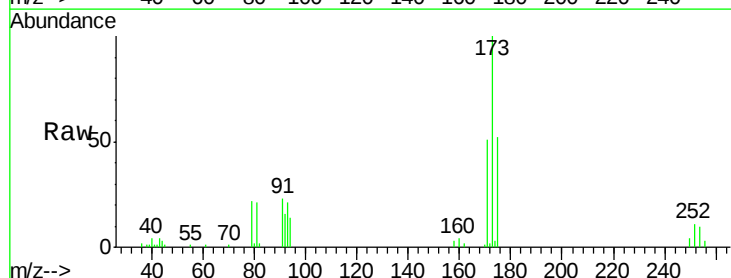
Manual Integrations
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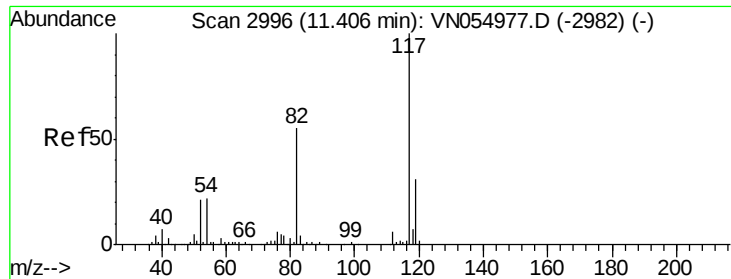
MMDadoda
 4/17/2019 9:36:58 AM



#56
 Bromoform
 Concen: 18.600 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.6	57.8
254	10.0	6.8	10.2





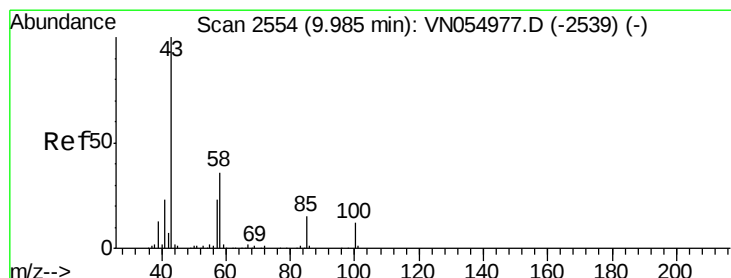
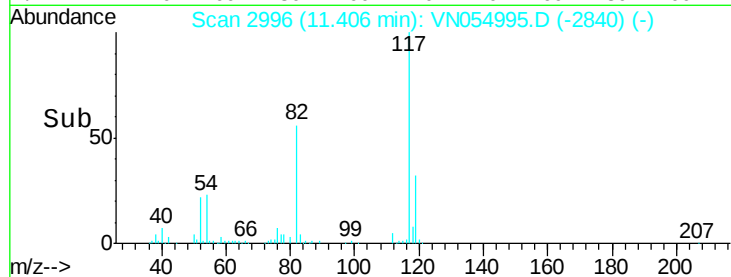
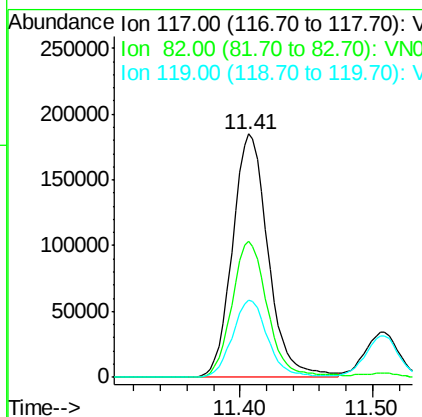
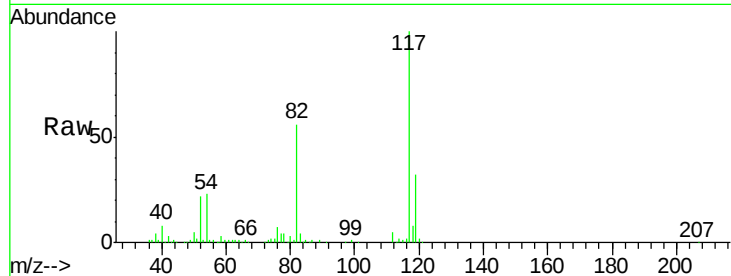
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	345564		
82	55.7	45.2	67.8	
119	31.2	25.4	38.2	

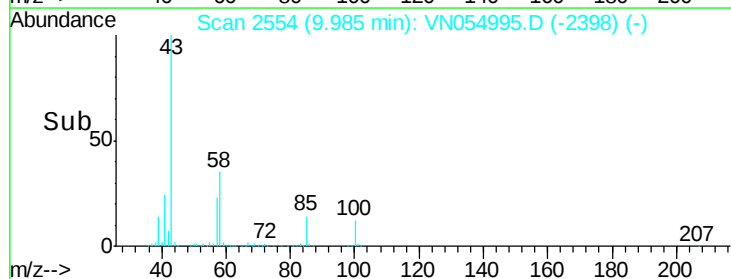
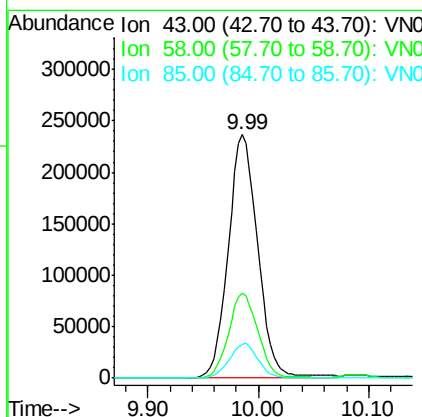
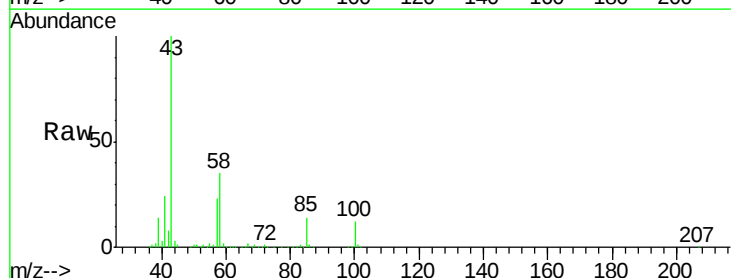
Manual Integrations
APPROVED

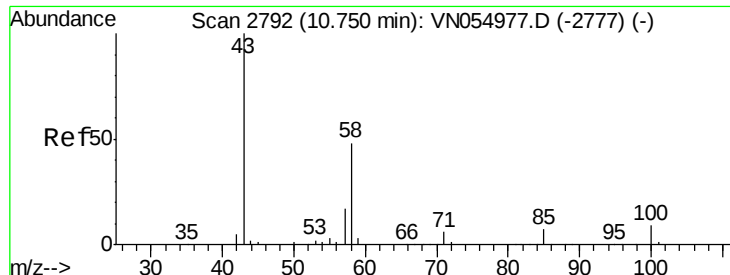
MMDadoda
4/17/2019 9:36:58 AM



#58
4-Methyl-2-Pentanone
Concen: 109.725 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	437265		
58	34.8	28.7	43.1	
85	13.9	11.8	17.6	





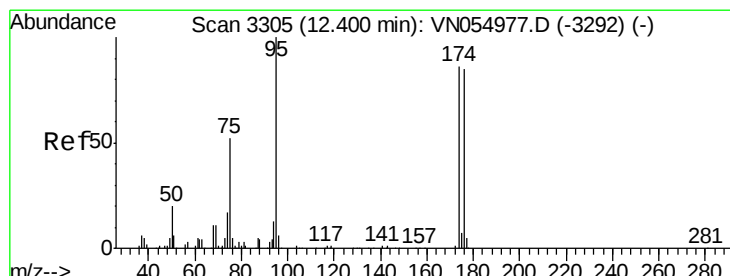
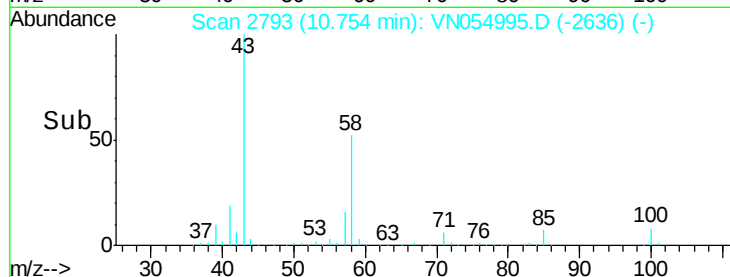
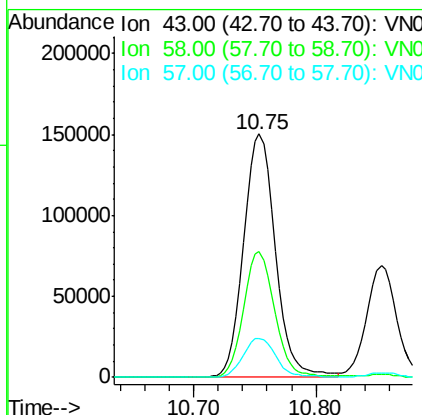
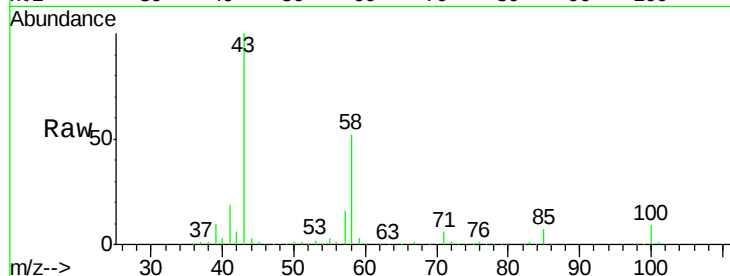
#59
2-Hexanone
Concen: 106.076 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.4	38.8	58.2
57	16.7	13.8	20.6

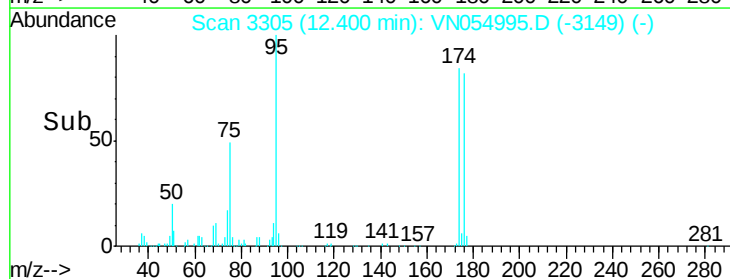
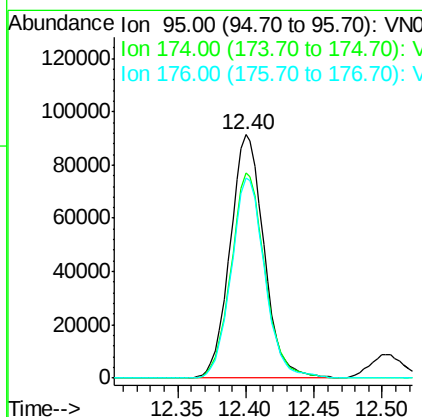
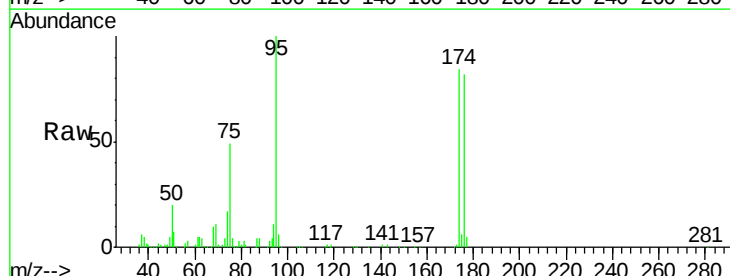
Manual Integrations
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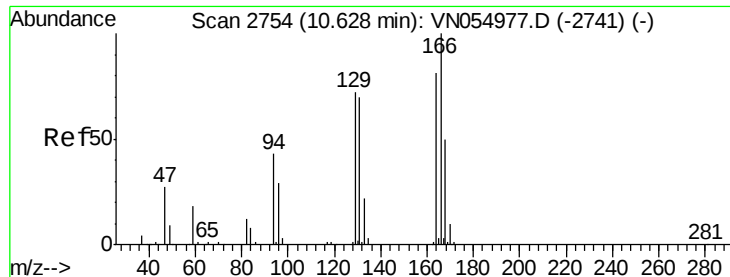
MMDadoda
4/17/2019 9:36:58 AM



#60
4-Bromofluorobenzene
Concen: 106.076 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	69.4	104.2
176	81.1	67.4	101.2





#61

Tetrachloroethene

Concen: 20.819 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0412WBSD01

Tot Ion:164 Resp: 93627

Ion Ratio Lower Upper

164 100

166 127.9 99.0 148.4

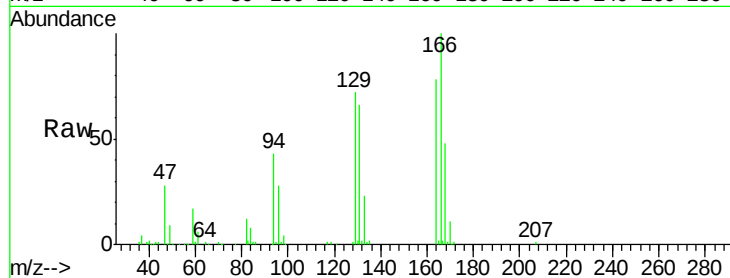
129 92.1 71.4 107.0

131 84.7 68.8 103.2

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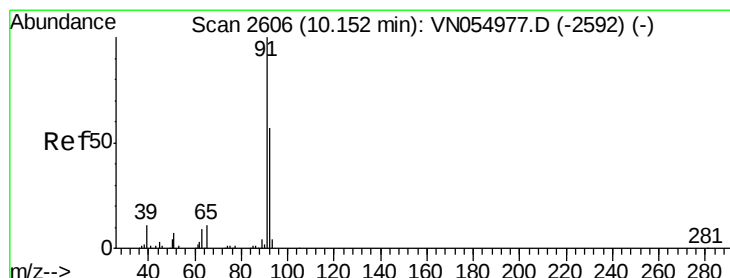
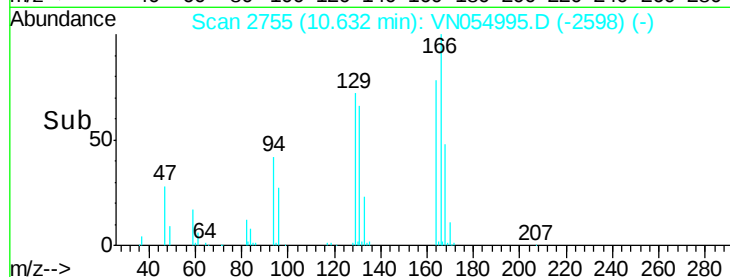
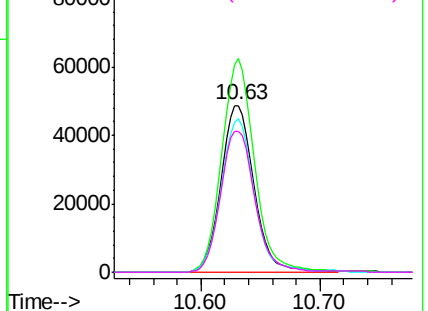


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.777 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054995.D

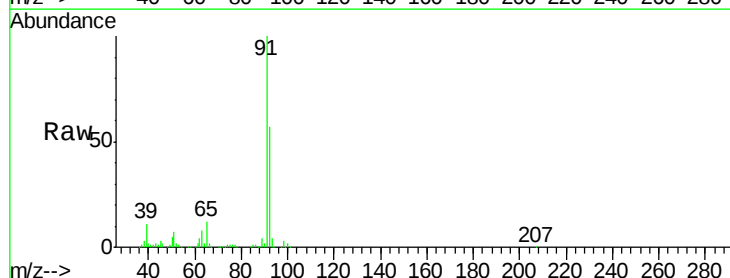
Acq: 12 Apr 2019 13:02

Tgt Ion: 91 Resp: 395607

Ion Ratio Lower Upper

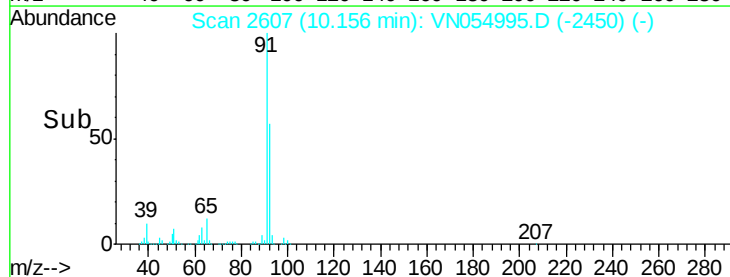
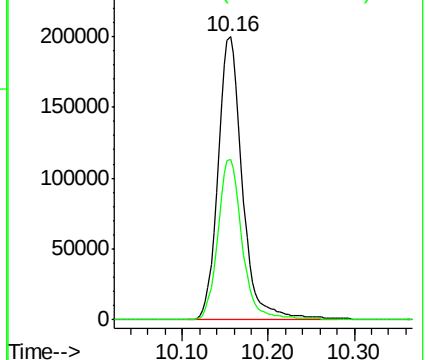
91 100

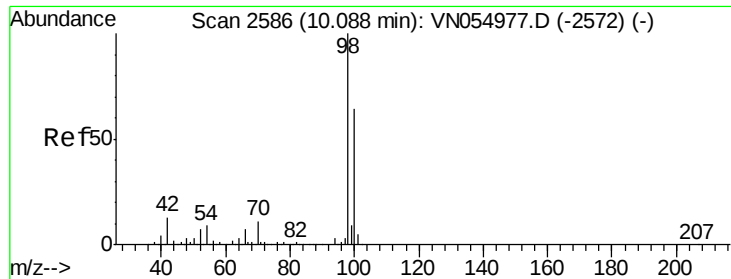
92 55.6 44.8 67.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





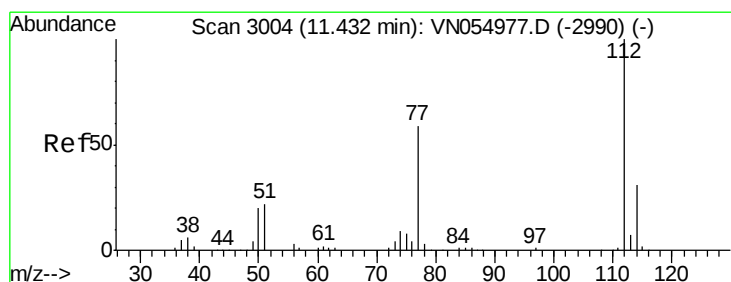
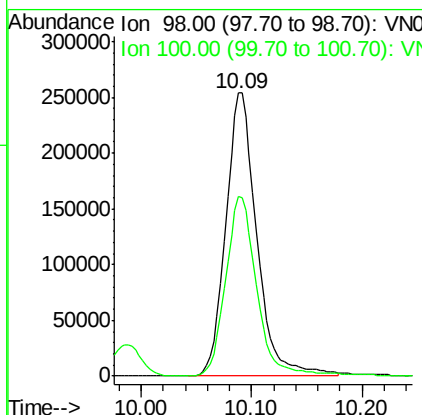
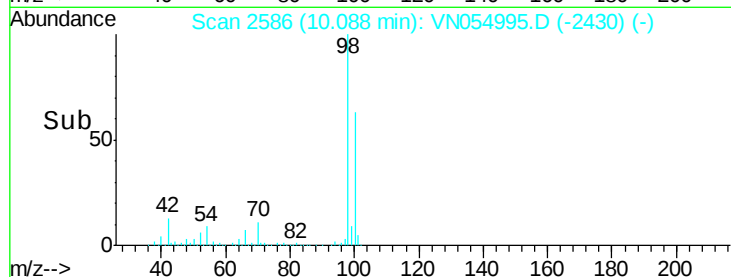
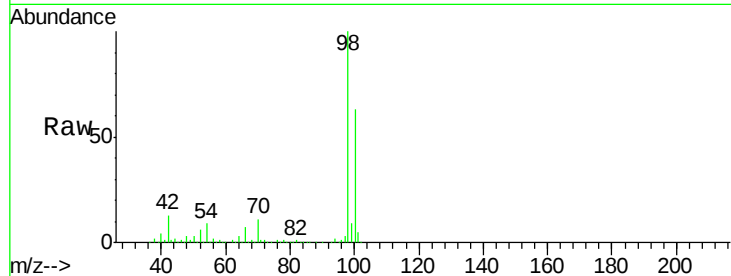
#63
Toluene-d8
Concen: 20.777 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion: 98 Resp: 496261
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7

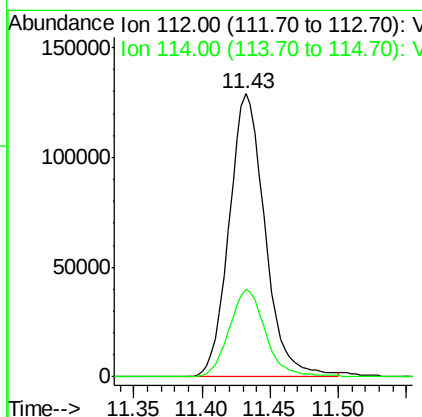
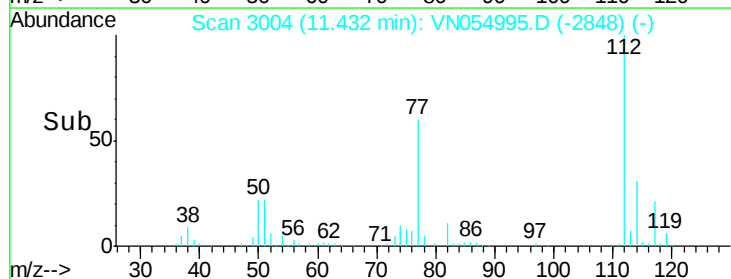
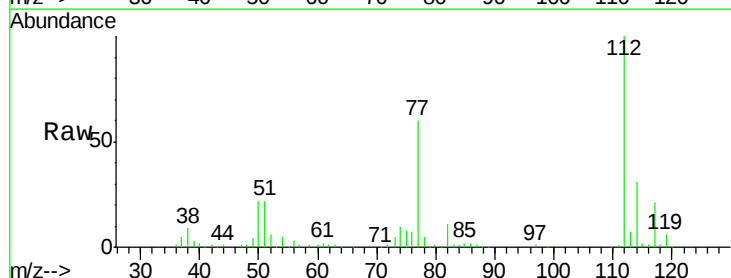
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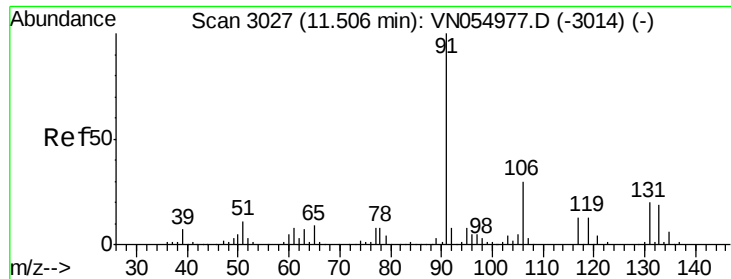
MMDadoda
4/17/2019 9:36:58 AM



#64
Chlorobenzene
Concen: 20.500 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion: 112 Resp: 235642
Ion Ratio Lower Upper
112 100
114 30.7 25.1 37.7





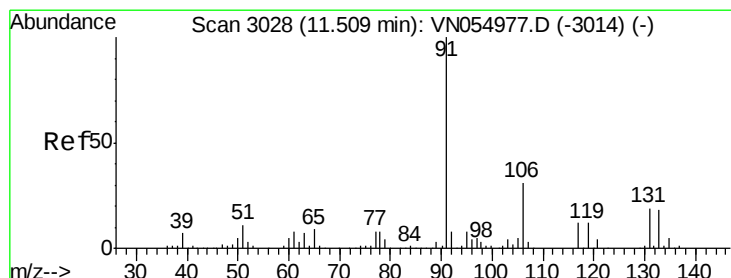
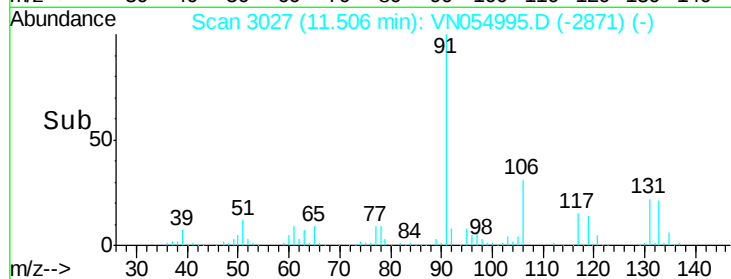
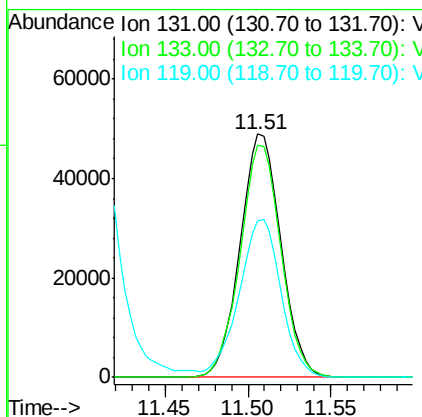
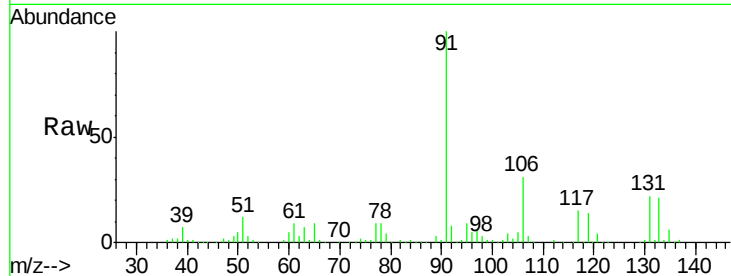
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.565 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.2	0.0	187.8
119	65.8	0.0	131.4

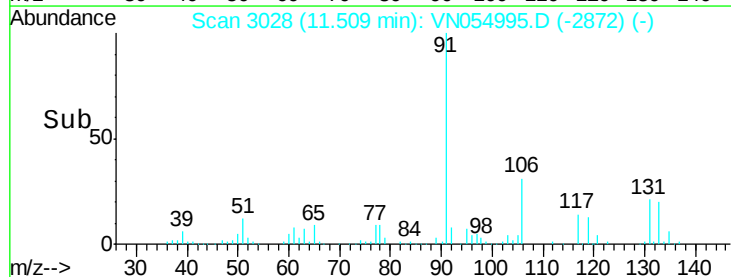
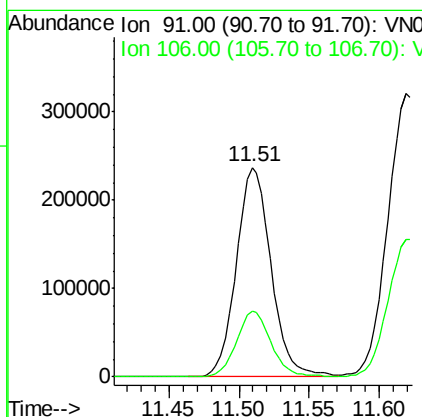
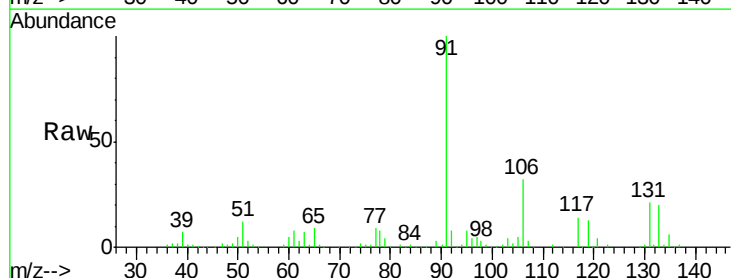
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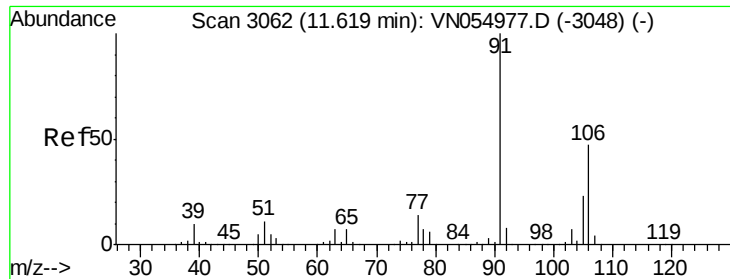
MMDadoda
 4/17/2019 9:36:58 AM



#66
 Ethyl Benzene
 Concen: 20.101 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.6	36.8





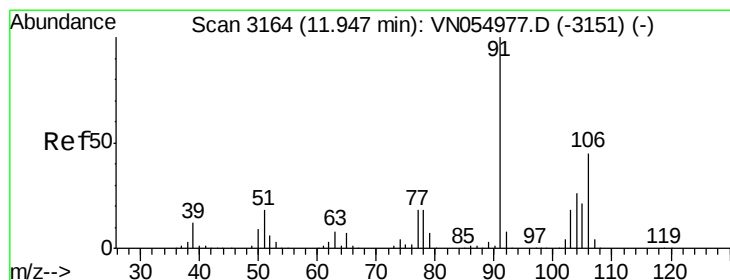
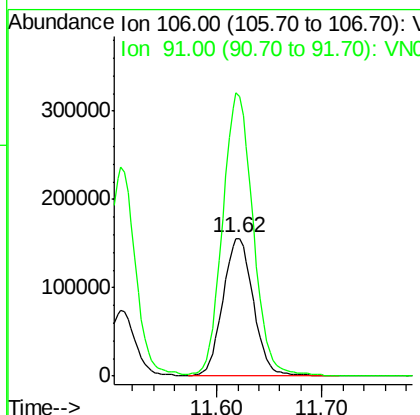
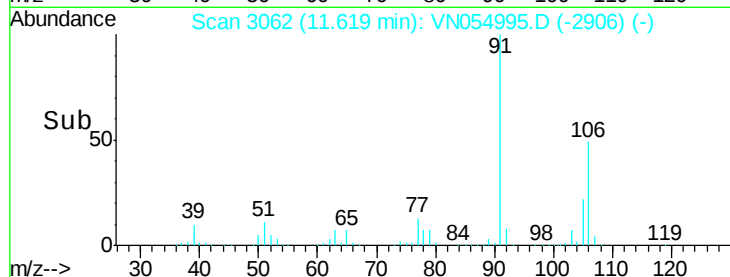
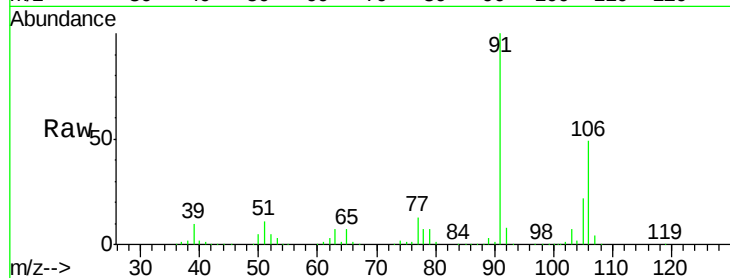
#67
m/p-Xvlenes
Concen: 41.301 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion:106 Resp: 313343
Ion Ratio Lower Upper
106 100
91 205.0 167.4 251.2

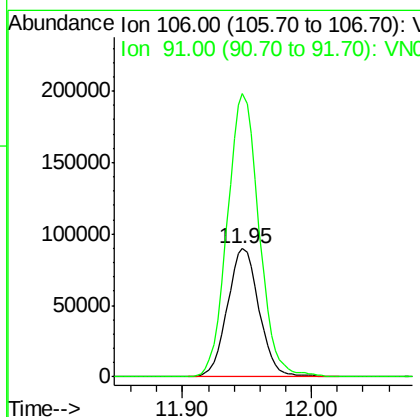
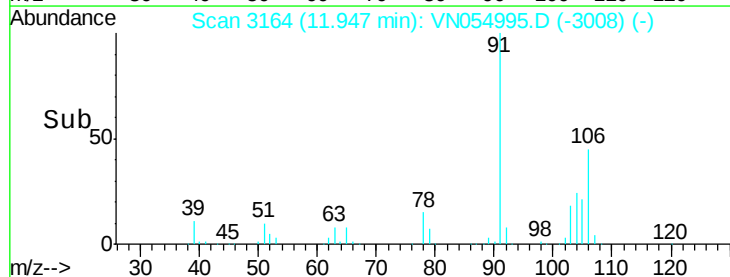
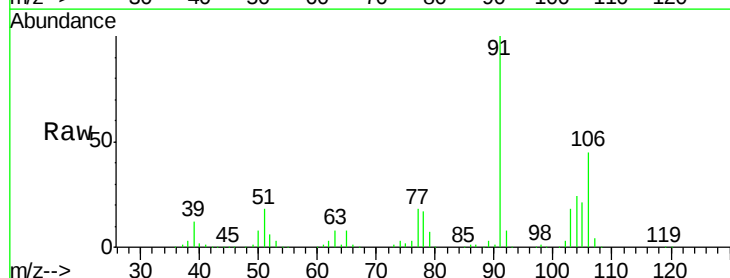
Manual Integrations
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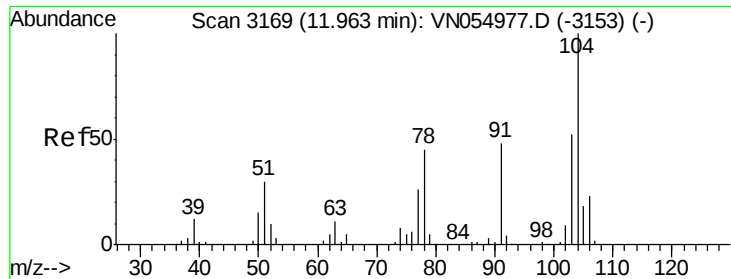
MMDadoda
4/17/2019 9:36:58 AM



#68
o-Xylene
Concen: 20.444 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion:106 Resp: 153278
Ion Ratio Lower Upper
106 100
91 220.8 110.3 330.8





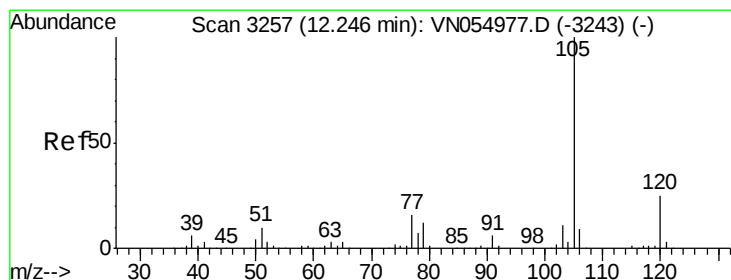
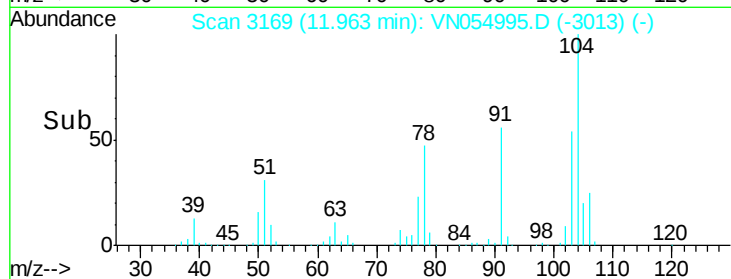
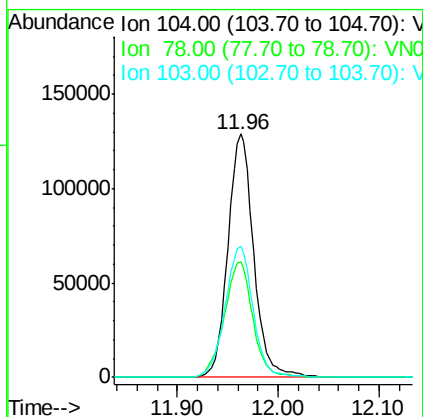
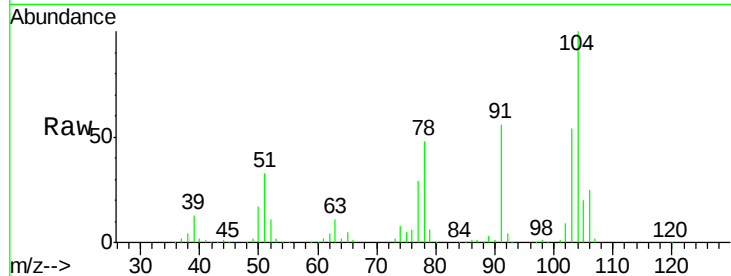
#69
Stvrene
Concen: 19.763 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.2	61.8
103	58.4	44.6	67.0

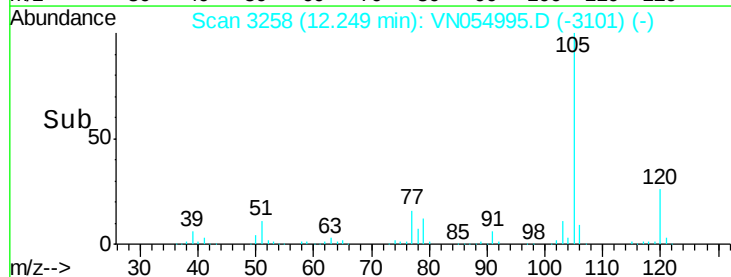
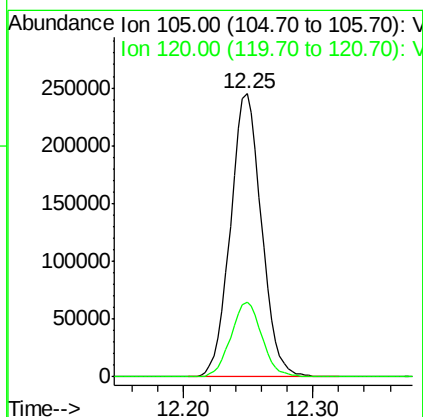
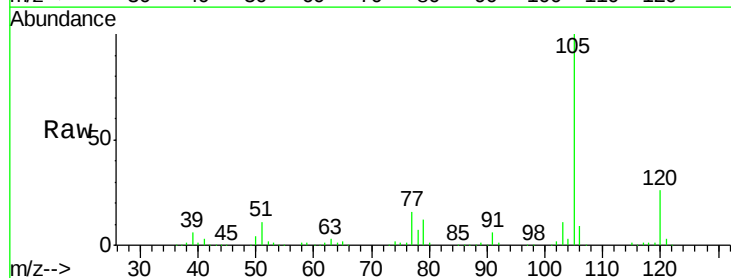
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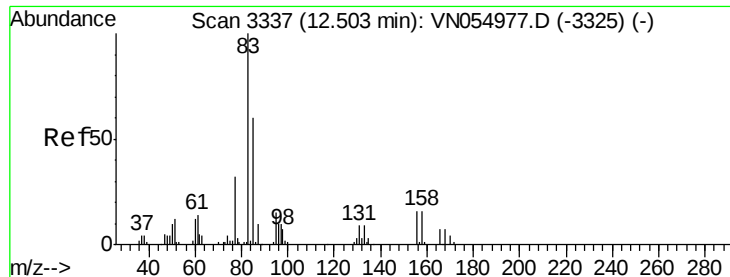
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4/17/2019 9:36:58 AM



#70
Isopropylbenzene
Concen: 20.395 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.3	33.9





#71

1,1,2,2-Tetrachloroethane

Concen: 21.847 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

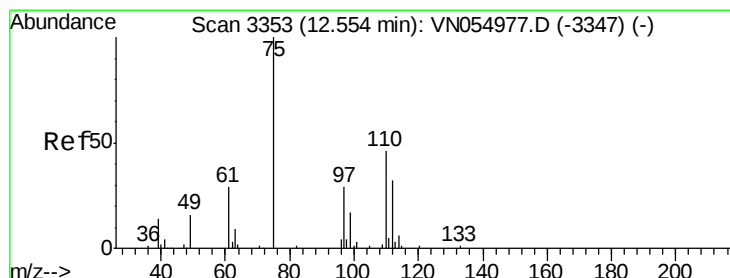
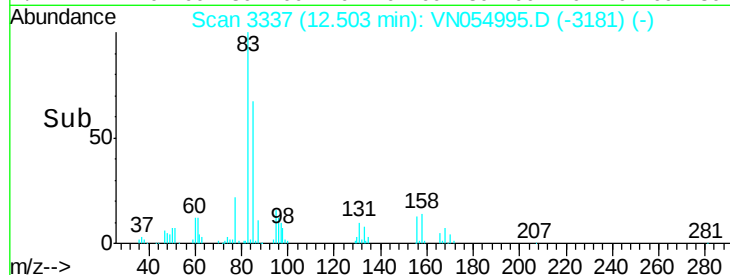
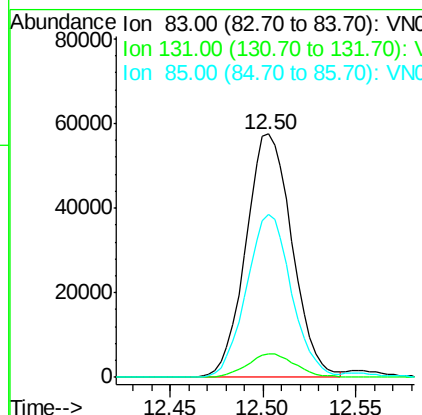
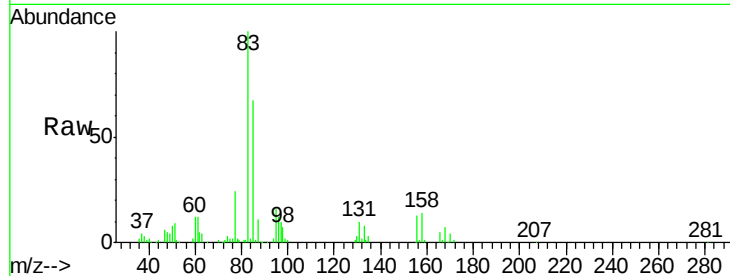
ClientSampleId :

VN0412WBSD01

Tot Ion:	83	Resp:	100167
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.6	13.8
85	65.2	30.9	92.5

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#72

1,2,3-Trichloropropane

Concen: 23.031 ug/l m

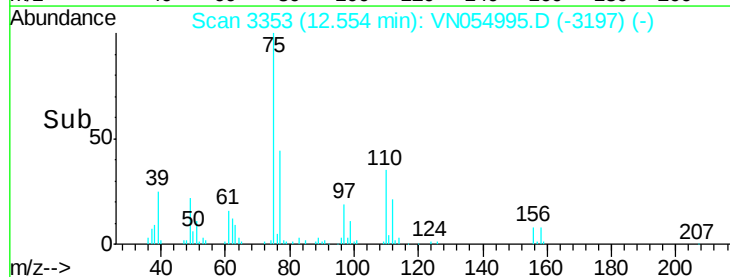
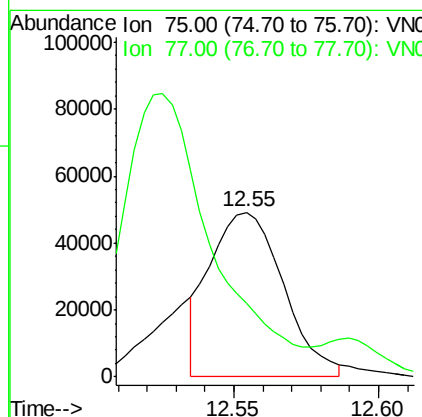
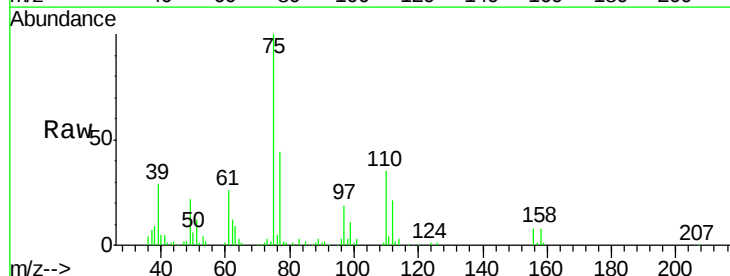
RT: 12.55 min Scan# 3353

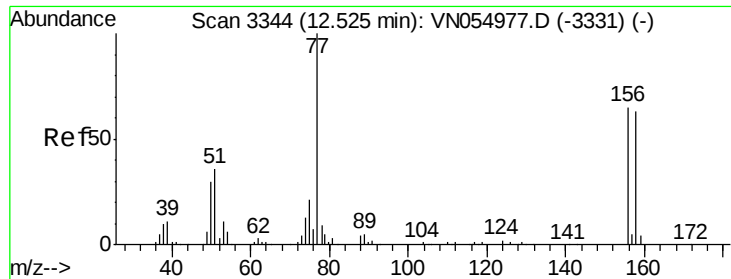
Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Tgt Ion:	75	Resp:	87203
Ion Ratio	Lower	Upper	
75	100		
77	211.7	0.0	466.6





#73

Bromobenzene

Concen: 19.824 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

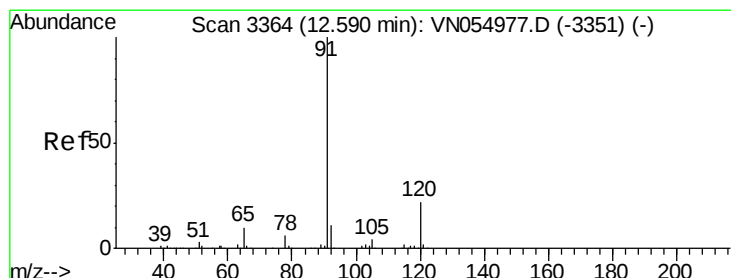
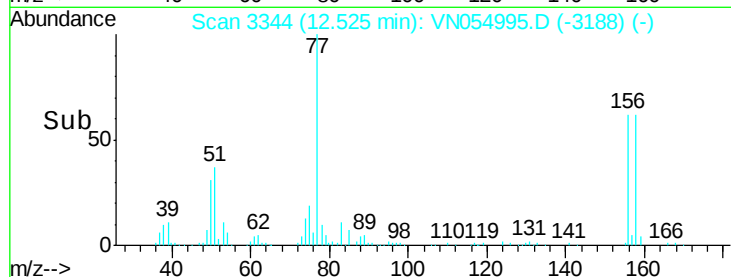
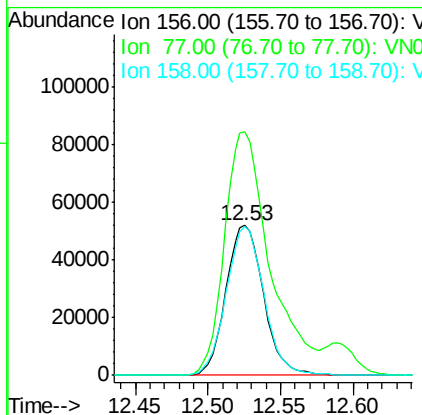
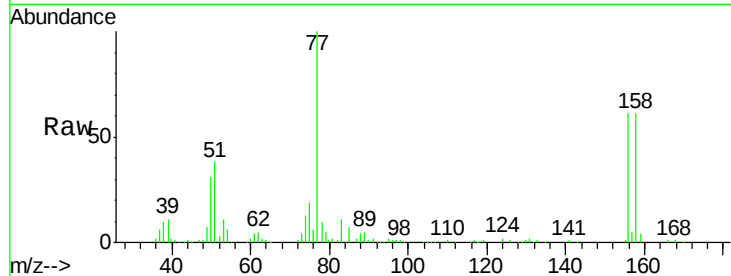
ClientSampleId :

VN0412WBSD01

Tot Ion:	156	Resp:	93929
Ion	Ratio	Lower	Upper
156	100		
77	196.6	0.0	383.2
158	100.0	0.0	193.8

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#74

n-propylbenzene

Concen: 20.036 ug/l

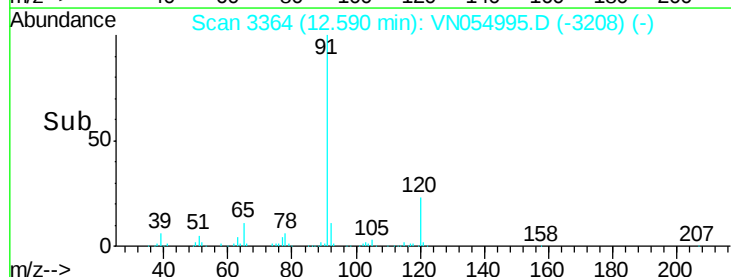
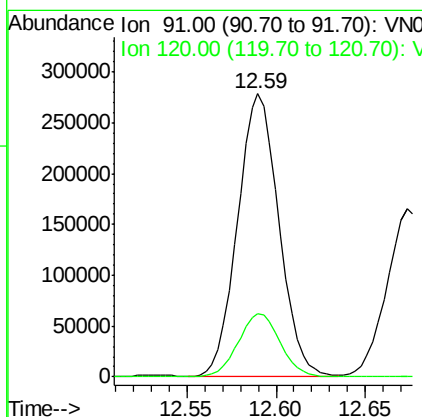
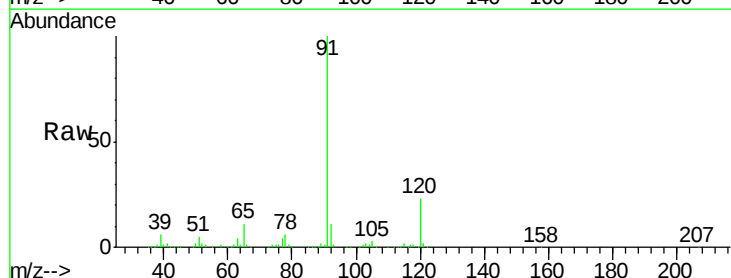
RT: 12.59 min Scan# 3364

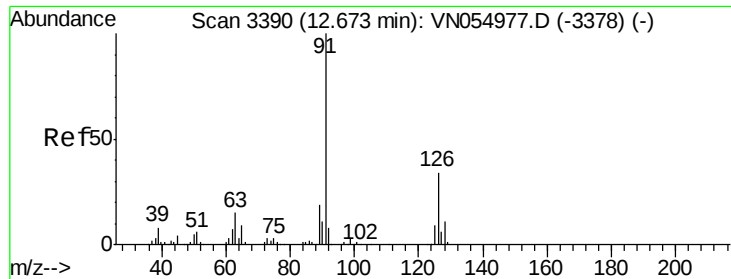
Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Tgt Ion:	91	Resp:	449640
Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	44.4





#75

2-Chlorotoluene

Concen: 20.566 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0412WBSD01

Tot Ion: 91 Resp: 278354

Ion Ratio Lower Upper

91 100

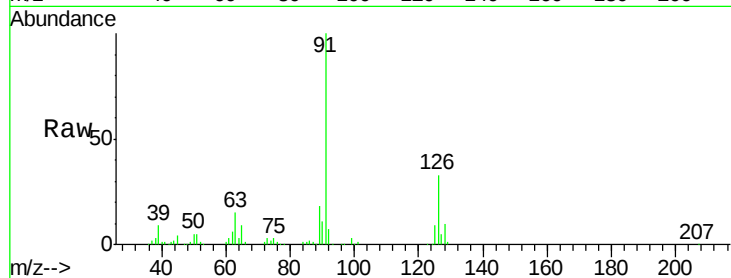
126 33.7 0.0 67.4

Manual Integrations

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4/17/2019 9:36:58 AM



Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN054977.D (-3378) (-)

200000

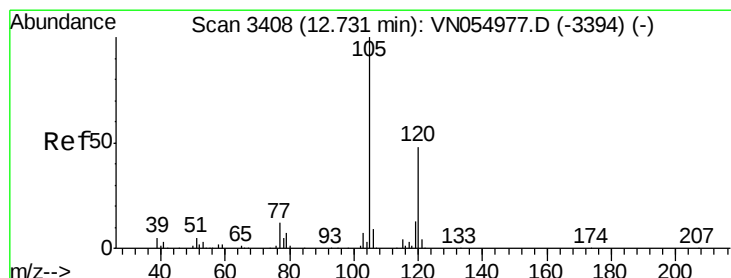
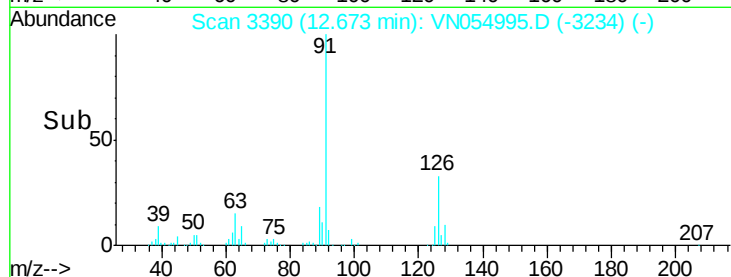
150000

100000

50000

0

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 20.414 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054995.D

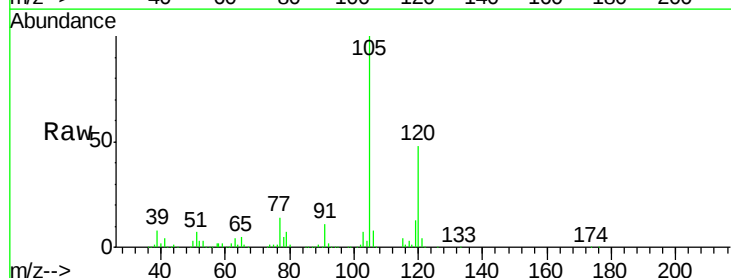
Acq: 12 Apr 2019 13:02

Tgt Ion: 105 Resp: 330840

Ion Ratio Lower Upper

105 100

120 47.9 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN054977.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054977.D (-3394) (-)

200000

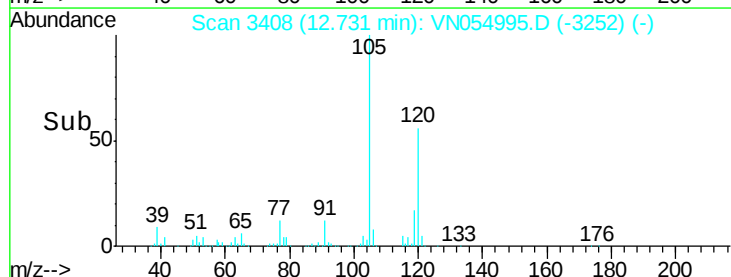
150000

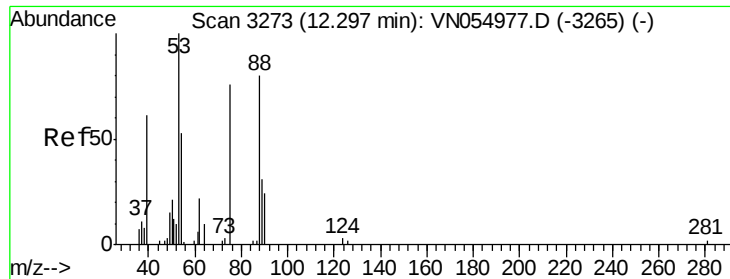
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50000

0

Time--> 12.65 12.70 12.75 12.80





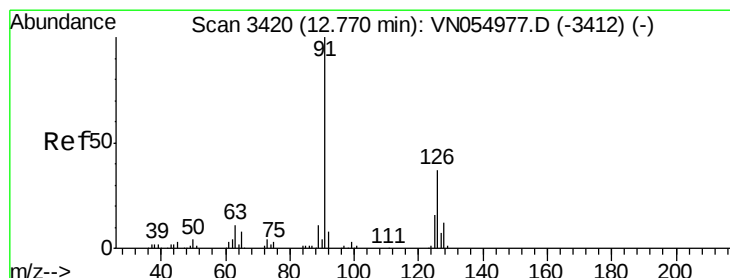
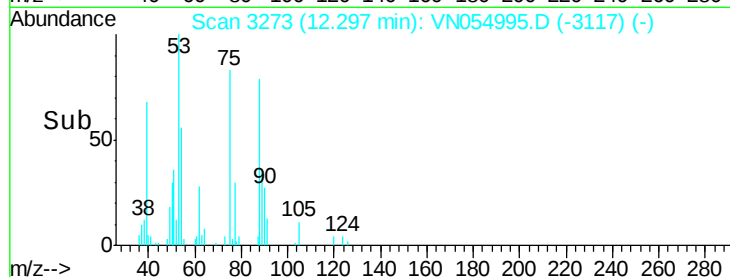
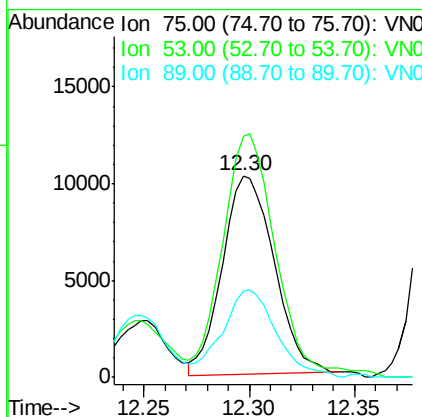
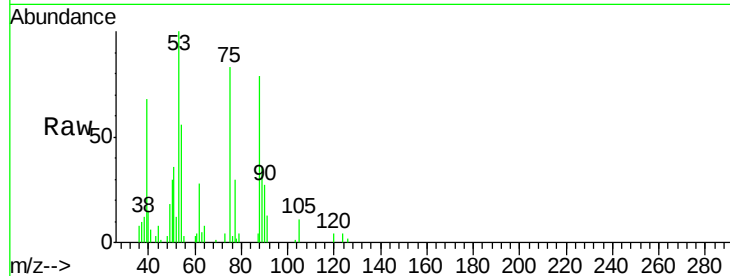
#77
t-1,4-Dichloro-2-butene
Concen: 18.302 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.5	64.3	192.7
89	44.0	21.6	65.0

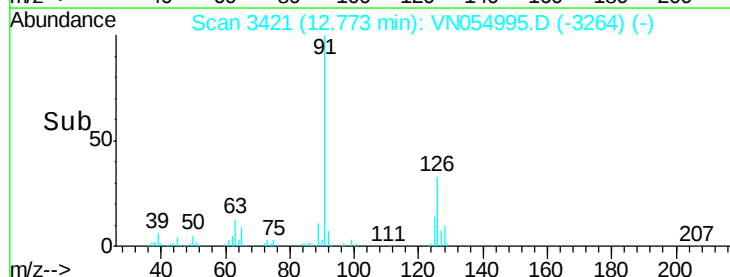
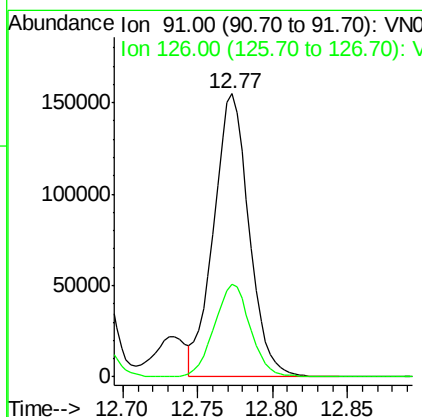
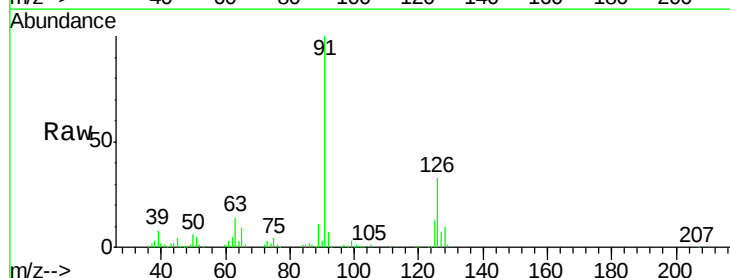
Manual Integrations
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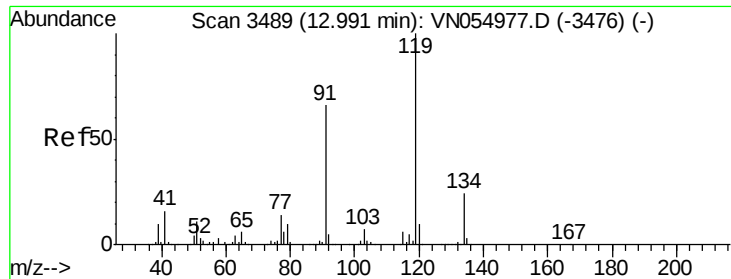
MMDadoda
4/17/2019 9:36:58 AM



#78
4-Chlorotoluene
Concen: 19.824 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	0.0	66.6





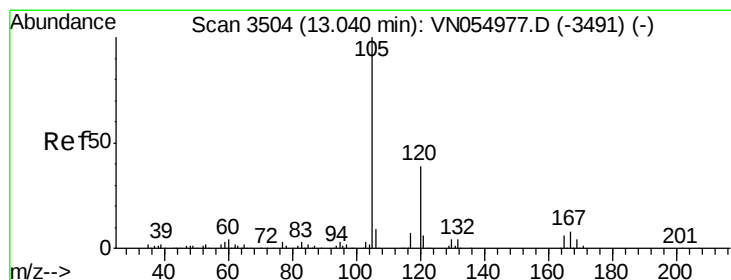
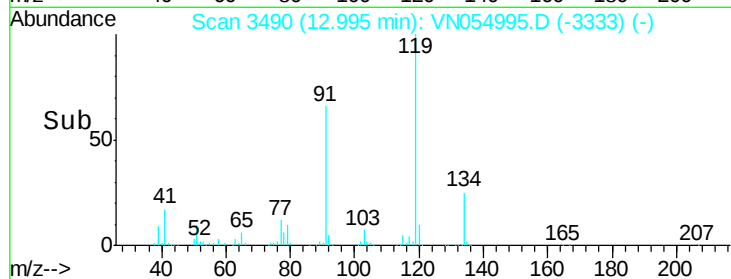
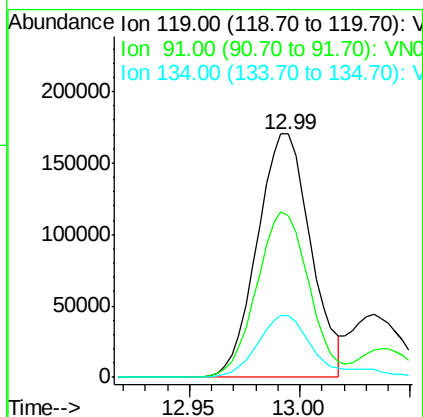
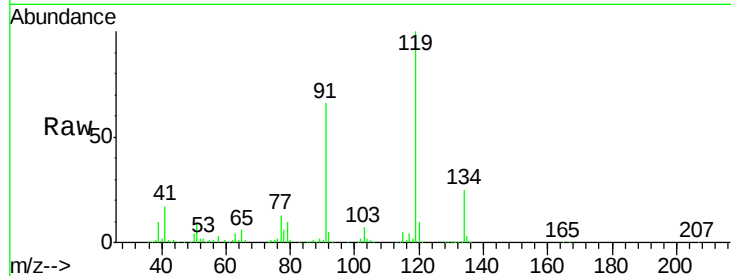
#79
tert-butylbenzene
Concen: 20.405 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286143		
91	66.6	0.0	132.6	
134	25.4	0.0	47.6	

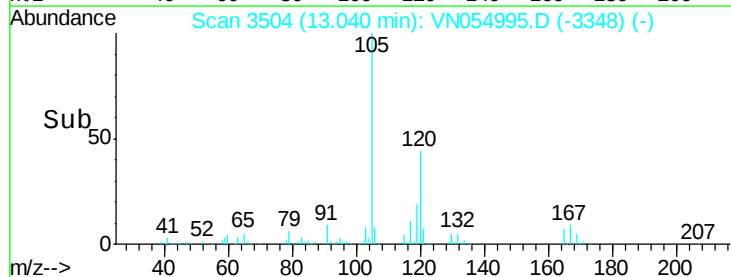
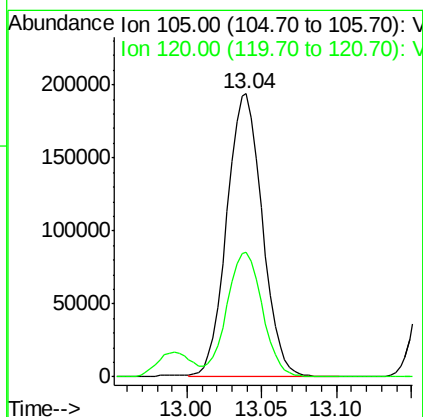
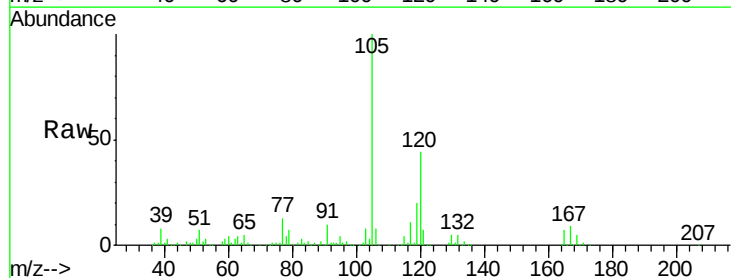
Manual Integrations
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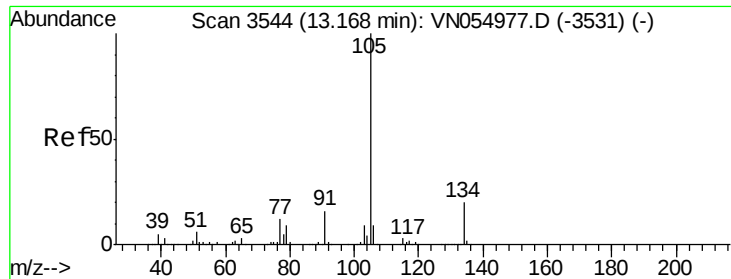
MMDadoda
4/17/2019 9:36:58 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.145 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	320733		
120	44.0	0.0	91.4	





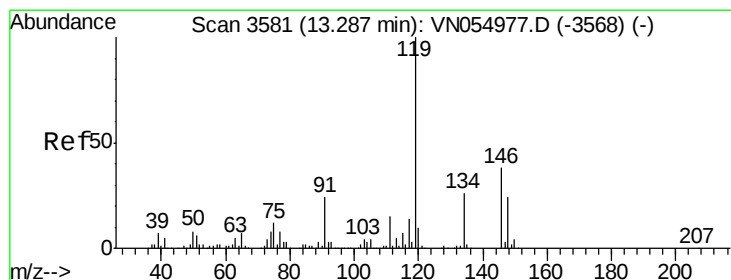
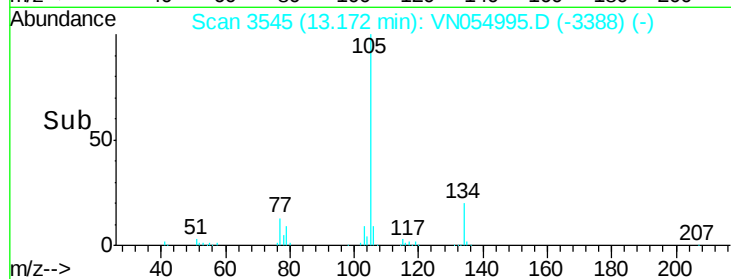
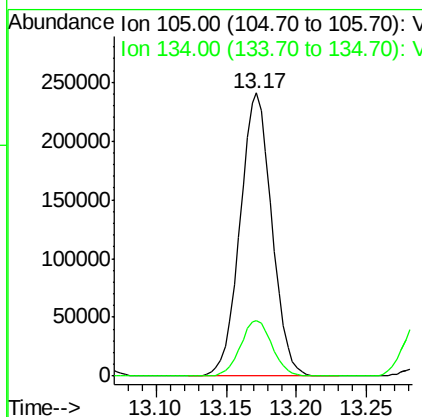
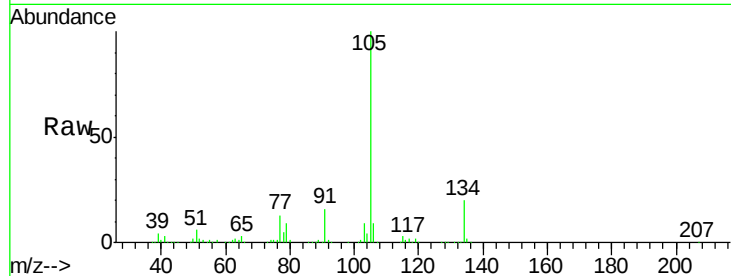
#81
 sec-Butylbenzene
 Concen: 20.248 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	379392		
134	19.6	0.0	40.0	

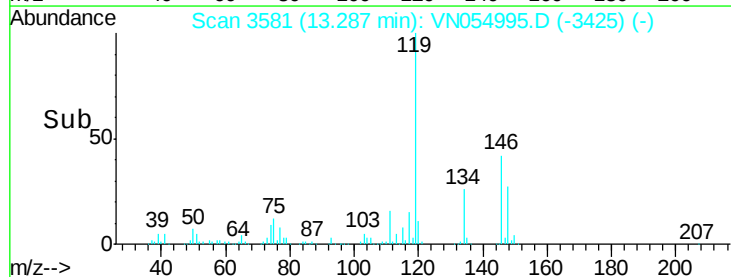
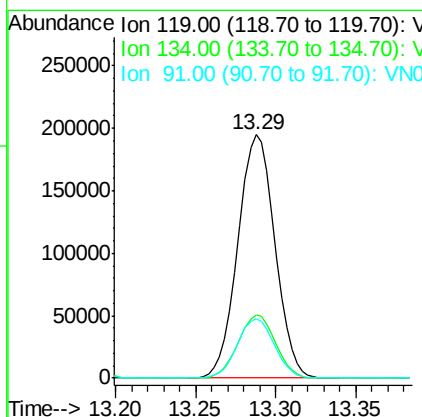
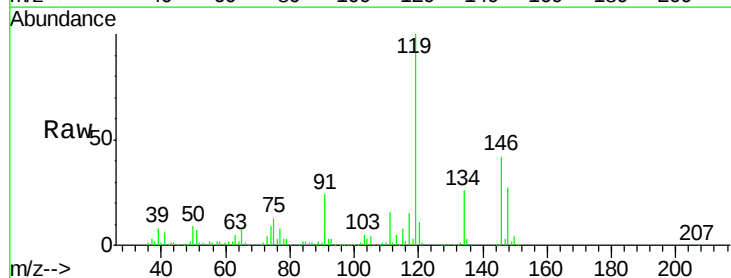
Manual Integrations
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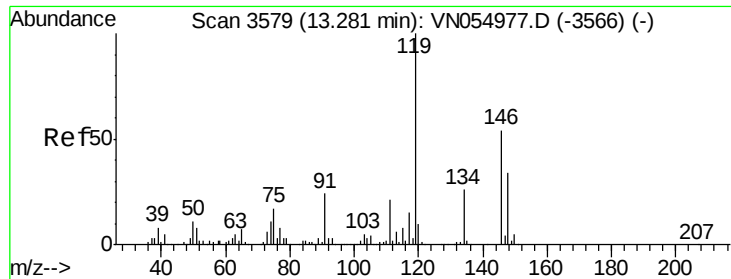
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#82
 p-Isopropyltoluene
 Concen: 19.435 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	307332		
134	26.2	0.0	53.2	
91	24.3	0.0	47.8	





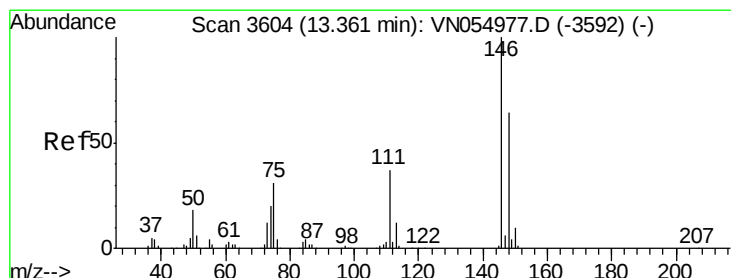
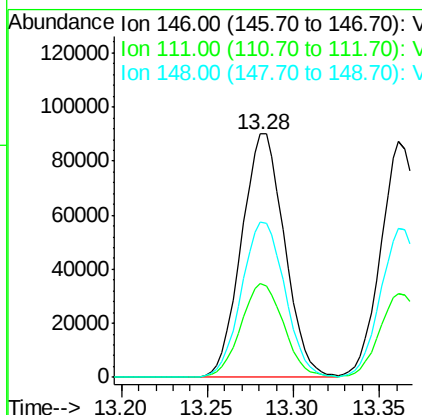
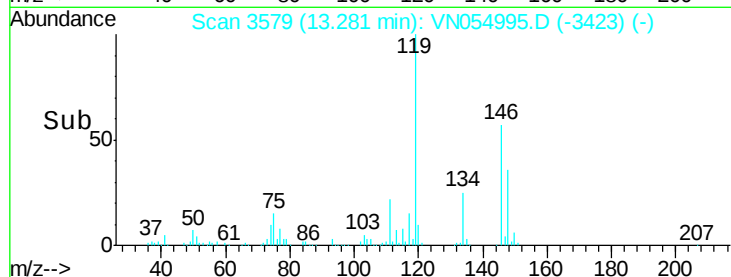
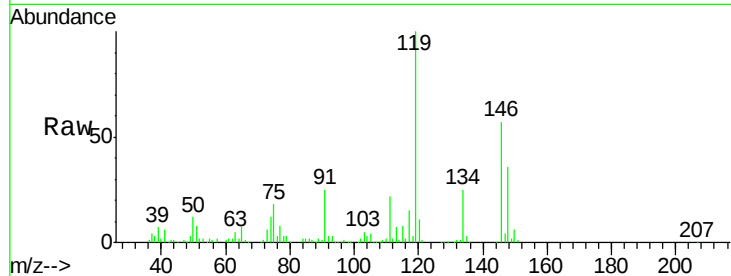
#83
 1,3-Dichlorobenzene
 Concen: 19.761 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	64.2	31.9	95.5

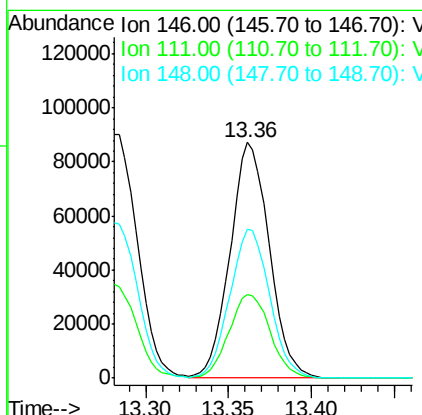
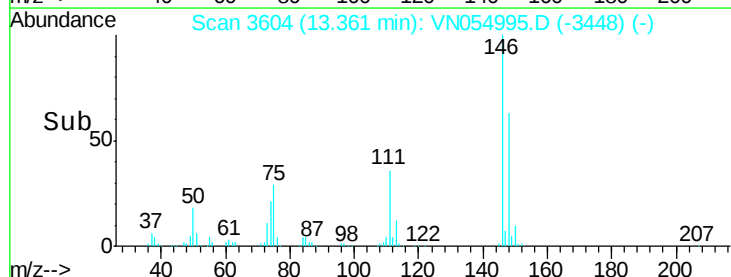
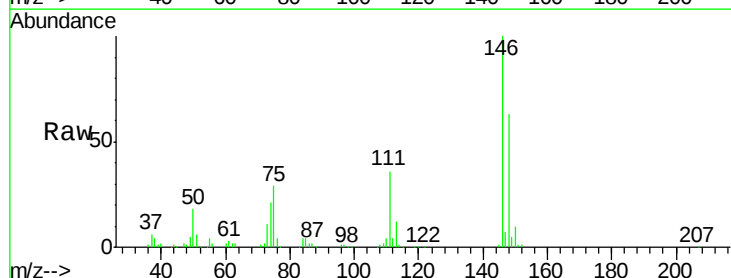
Manual Integrations
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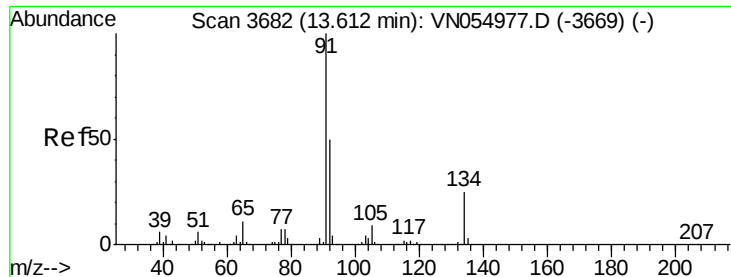
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 4/17/2019 9:36:58 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.085 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.4	55.2
148	64.1	32.5	97.4





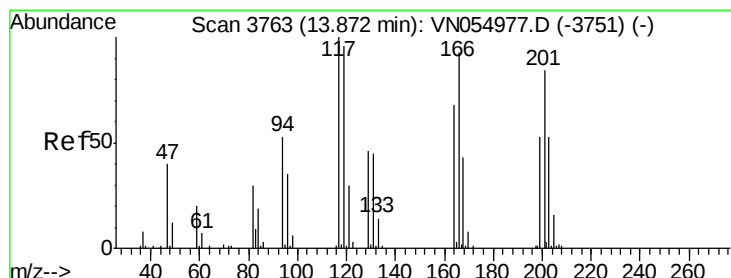
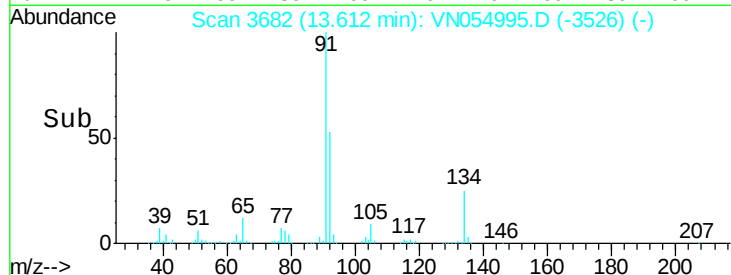
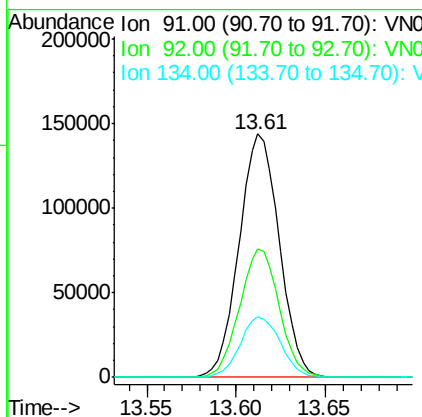
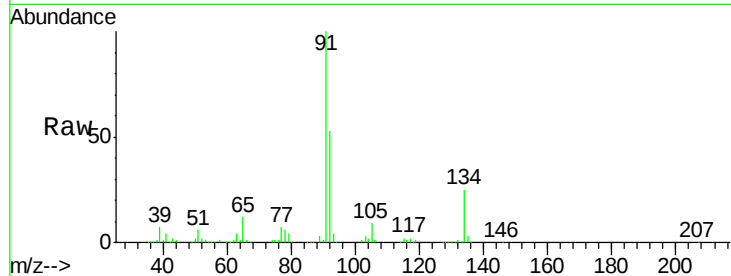
#85
n-Butylbenzene
Concen: 17.895 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	225415		
92	52.1	0.0	101.4	
134	24.9	0.0	49.8	

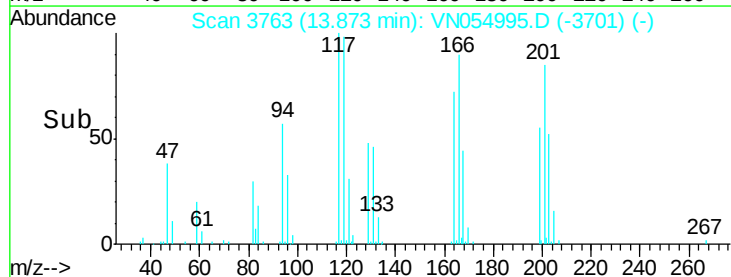
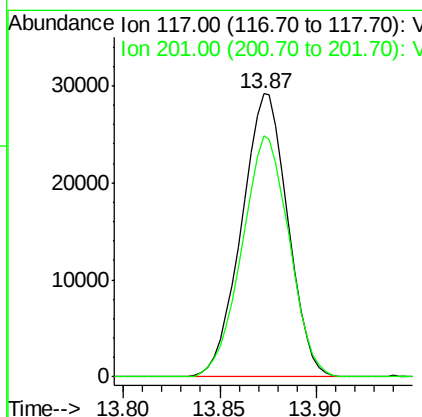
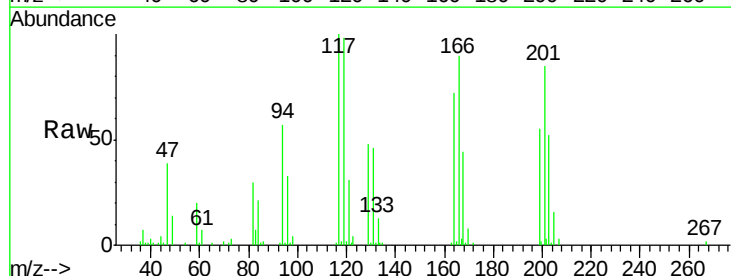
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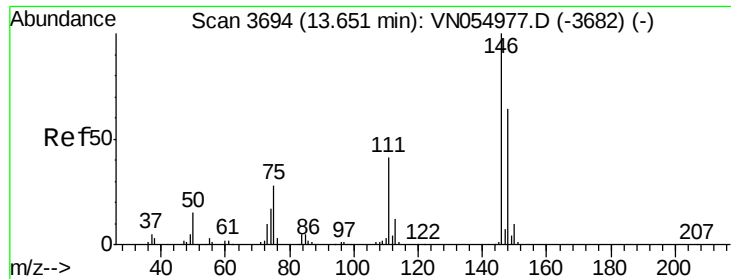
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#86
Hexachloroethane
Concen: 19.171 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	48529		
201	86.7	42.8	128.3	





#87

1,2-Dichlorobenzene

Concen: 20.505 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Instrument :

MSVOA_N

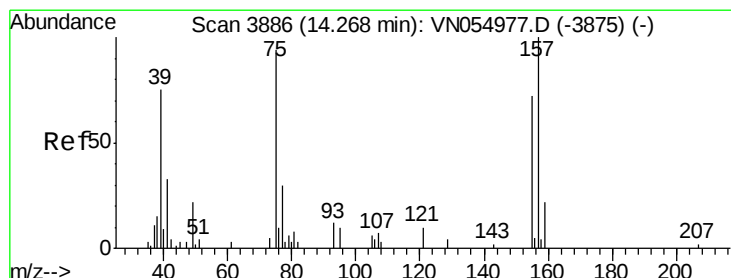
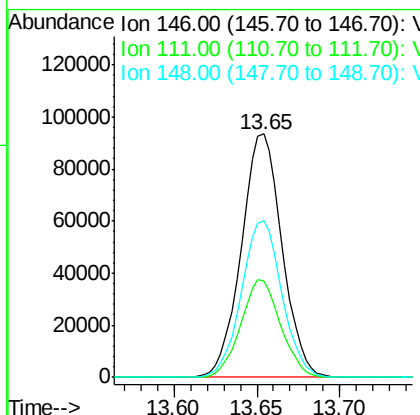
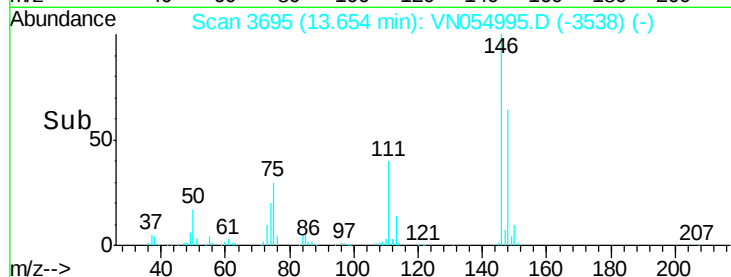
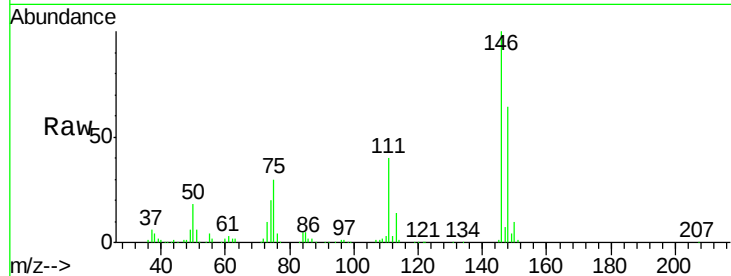
ClientSampleId :

VN0412WBSD01

Tot Ion:	146	Resp:	159173
Ion Ratio	Lower	Upper	
146	100		
111	39.2	20.3	60.8
148	63.9	32.5	97.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 20.597 ug/l

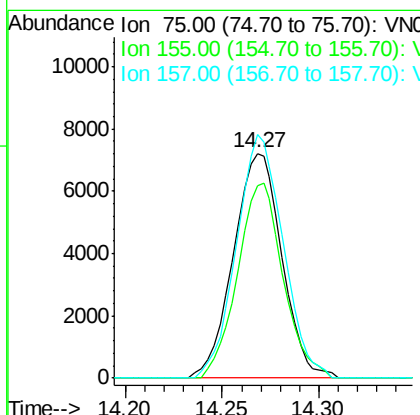
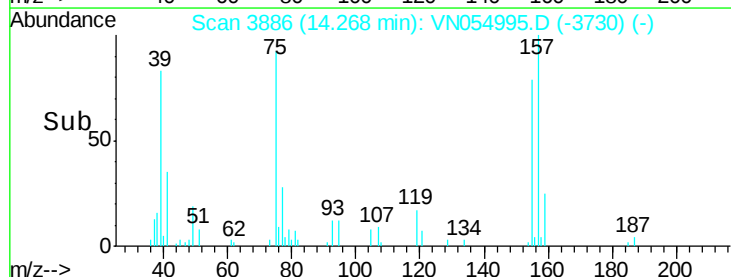
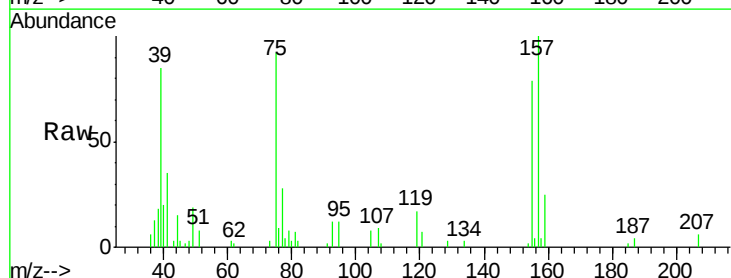
RT: 14.27 min Scan# 3886

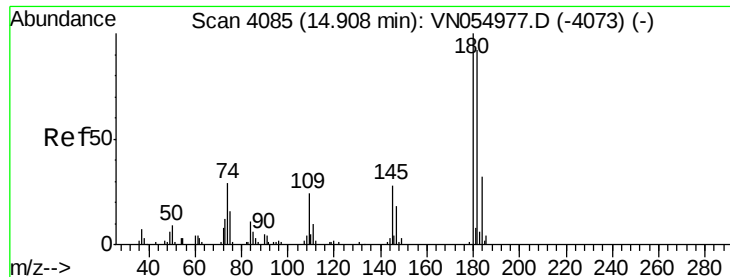
Delta R.T. 0.00 min

Lab File: VN054995.D

Acq: 12 Apr 2019 13:02

Tgt Ion:	75	Resp:	12551
Ion Ratio	Lower	Upper	
75	100		
155	81.6	61.8	92.8
157	104.2	82.7	124.1





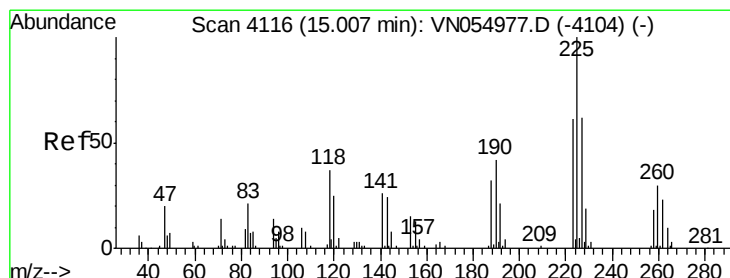
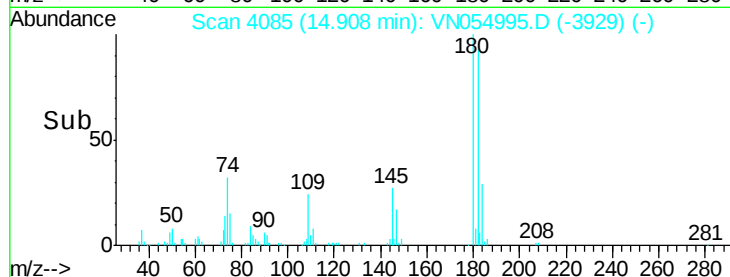
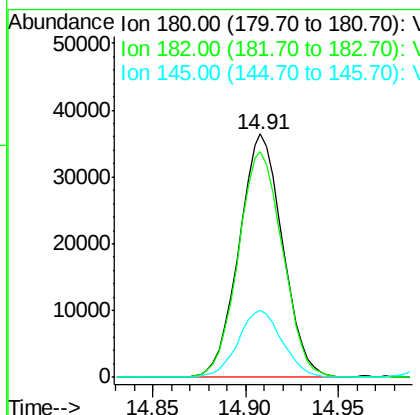
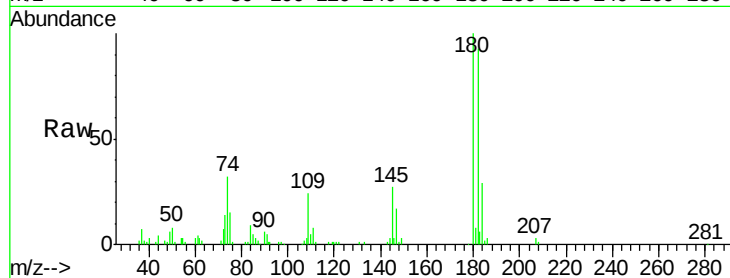
#89
 1,2,4-Trichlorobenzene
 Concen: 17.115 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	73.2	109.8
145	27.7	23.2	34.8

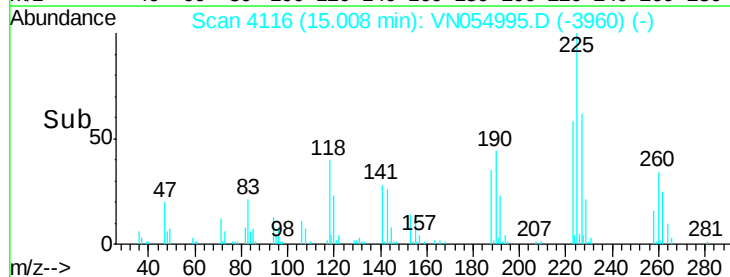
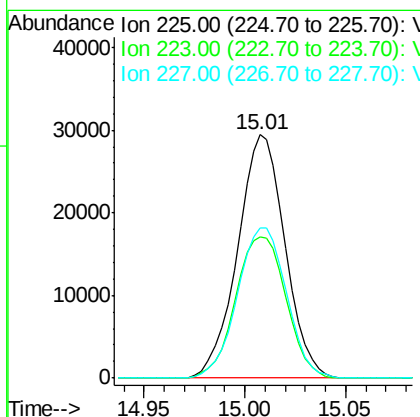
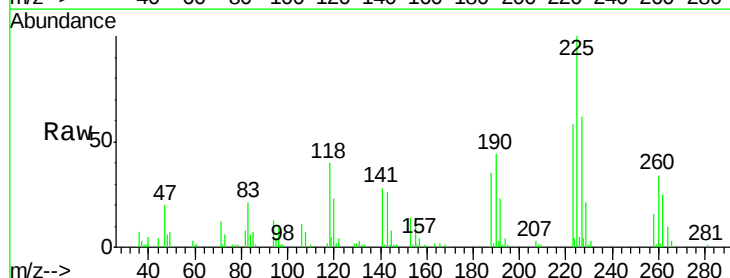
Manual Integrations
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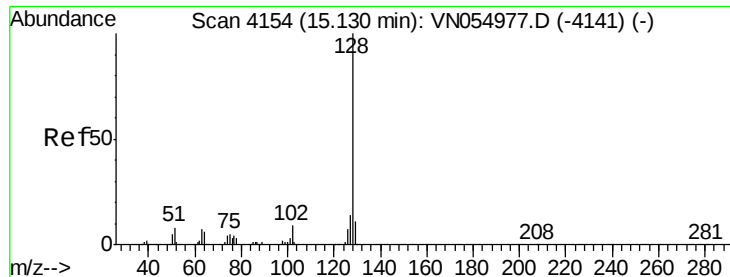
MMDadoda
 4/17/2019 9:36:58 AM



#90
 Hexachlorobutadiene
 Concen: 19.106 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054995.D
 Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	126.0
227	64.2	0.0	125.4





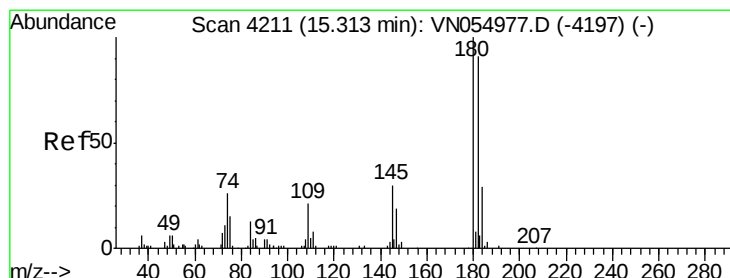
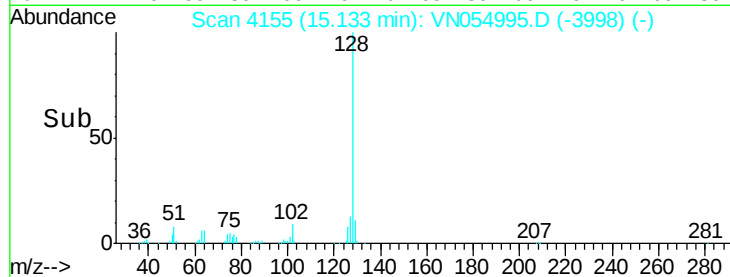
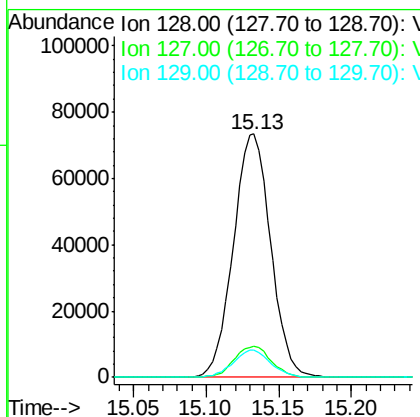
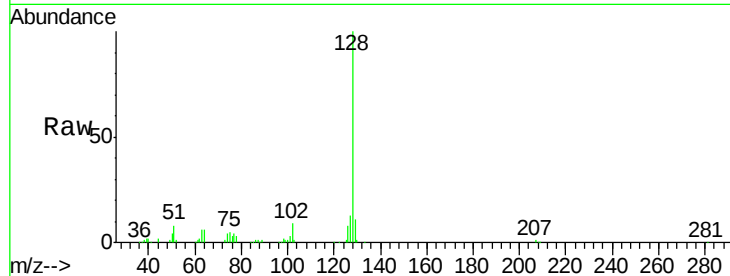
#91
Naphthalene
Concen: 18.054 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0412WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	11.2	9.0	13.6

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 18.130 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054995.D
Acq: 12 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	188.2
145	31.2	0.0	61.2

