

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041219\
 Data File : VN054991.D
 Acq On : 12 Apr 2019 10:44
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 9:35:33 AM

Quant Time: Apr 12 23:14:57 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	7.20	128	74925	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	402346	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	351693	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	165313	28.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.50%
60) 4-Bromofluorobenzene	12.40	95	163236	29.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.37%
63) Toluene-d8	10.09	98	501601	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	89030	20.204	ug/l 96
3) Chloromethane	2.06	50	121266	20.371	ug/l 94
4) Vinyl Chloride	2.19	62	103443	20.095	ug/l 99
5) Bromomethane	2.56	94	60193	20.216	ug/l 98
6) Chloroethane	2.71	64	57751	20.032	ug/l 98
7) Trichlorofluoromethane	3.02	101	135277	20.565	ug/l 96
8) Diethyl Ether	3.41	74	44295	20.972	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	75505	20.998	ug/l 97
10) 1,1-Dichloroethene	3.73	96	65988	19.849	ug/l 96
11) Methyl Iodide	3.94	142	103741	20.620	ug/l 99
12) Methyl Acetate	4.33	43	86598	21.178	ug/l 95
13) Acrolein	3.61	56	32341	90.242	ug/l 95
14) Acrylonitrile	4.99	53	171160	102.166	ug/l 98
15) Acetone	3.82	58	41223	99.438	ug/l 98
16) Carbon Disulfide	4.04	76	214429	19.229	ug/l 98
17) Allyl chloride	4.32	41	163767	20.003	ug/l 95
18) Methylene Chloride	4.54	84	100243	20.399	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	87878	20.306	ug/l 91
20) Diisopropyl ether	5.96	45	337780	20.366	ug/l 99
21) 1,1-Dichloroethane	5.85	63	181972	20.542	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	102984	20.473	ug/l 99
23) tert-Butyl Alcohol	4.82	59	27873	104.342	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	229269	20.538	ug/l # 68
25) Chloroform	7.37	83	175399	20.670	ug/l 99
26) Cyclohexane	7.65	56	165761	20.167	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	133121	21.245	ug/l 99
30) 2-Butanone	6.84	43	218105	104.860	ug/l 99
31) 2,2-Dichloropropane	6.82	77	121528	21.072	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	140292	21.182	ug/l 98
33) Carbon Tetrachloride	7.77	117	116147	20.255	ug/l 97
34) Benzene	8.04	78	386686	20.824	ug/l 99
35) Methacrylonitrile	7.18	41	52323	21.343	ug/l 91
36) 1,2-Dichloroethane	8.13	62	133370	21.015	ug/l 100
37) Trichloroethene	8.84	130	95620	20.199	ug/l 95
38) Methylcyclohexane	9.08	83	149118	20.521	ug/l 100
39) 1,2-Dichloropropane	9.12	63	109464	21.349	ug/l 98
40) Dibromomethane	9.21	93	59170	20.417	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	123614	20.667	ug/l	99
42) Vinyl Acetate	5.90	43	1084911	103.174	ug/l	100
43) Ethyl Acetate	6.94	43	86812	20.487	ug/l #	79
44) Isopropyl Acetate	8.17	43	147827	20.586	ug/l	100
45) 1,4-Dioxane	9.20	88	16574	416.605	ug/l	94
46) Methyl methacrylate	9.20	41	79211	21.323	ug/l	97
47) n-amyl Acetate	12.07	43	101652	19.219	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	107172	19.512	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	135342	19.960	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	82562	20.975	ug/l	98
51) Ethyl methacrylate	10.43	69	91392	19.477	ug/l	96
52) 1,3-Dichloropropane	10.71	76	143917	20.865	ug/l	99
53) Dibromochloromethane	10.90	129	80047	19.742	ug/l	96
54) 1,2-Dibromoethane	11.00	107	77646	21.012	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	181957	92.757	ug/l	99
56) Bromoform	12.13	173	48603	19.077	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	427763	105.470	ug/l	99
59) 2-Hexanone	10.75	43	271227	105.268	ug/l	100
61) Tetrachloroethene	10.63	164	97624	21.330	ug/l	96
62) Toluene	10.16	91	402730	20.783	ug/l	100
64) Chlorobenzene	11.43	112	242352	20.716	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	85997	20.669	ug/l	98
66) Ethyl Benzene	11.51	91	432107	20.802	ug/l	100
67) m/p-Xylenes	11.62	106	328054	42.487	ug/l	98
68) o-Xylene	11.95	106	163463	21.422	ug/l	98
69) Styrene	11.96	104	241876	20.414	ug/l	99
70) Isopropylbenzene	12.25	105	427227	20.941	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	100964	21.637	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	79814m	20.712	ug/l	
73) Bromobenzene	12.53	156	97183	20.154	ug/l	99
74) n-propylbenzene	12.59	91	479368	20.989	ug/l	100
75) 2-Chlorotoluene	12.67	91	293799	21.329	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	348175	21.109	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	18545	19.092	ug/l	93
78) 4-Chlorotoluene	12.77	91	272537	20.765	ug/l	100
79) tert-butylbenzene	12.99	119	301594	21.133	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	339958	20.981	ug/l	99
81) sec-Butylbenzene	13.17	105	402639	21.114	ug/l	100
82) p-Isopropyltoluene	13.29	119	330658	20.546	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	165925	20.568	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	152012	19.829	ug/l	99
85) n-Butylbenzene	13.61	91	243634	19.005	ug/l	99
86) Hexachloroethane	13.87	117	51466	19.976	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	163916	20.748	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11890	19.172	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	61124	17.305	ug/l	96
90) Hexachlorobutadiene	15.01	225	54420	21.132	ug/l	99
91) Naphthalene	15.13	128	124329	16.811	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	61839	17.506	ug/l	98

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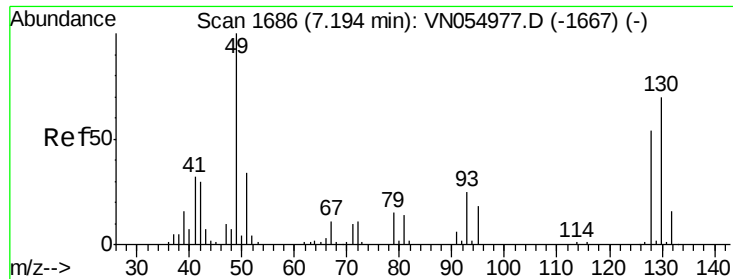
Manual Integrations
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

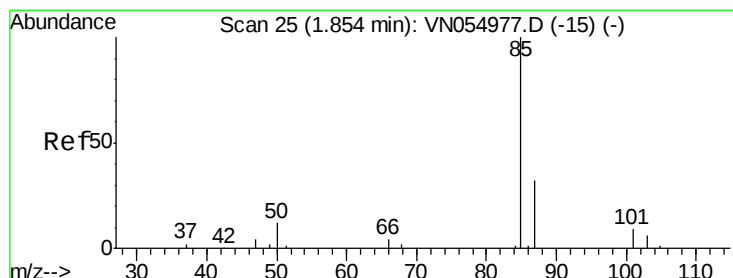
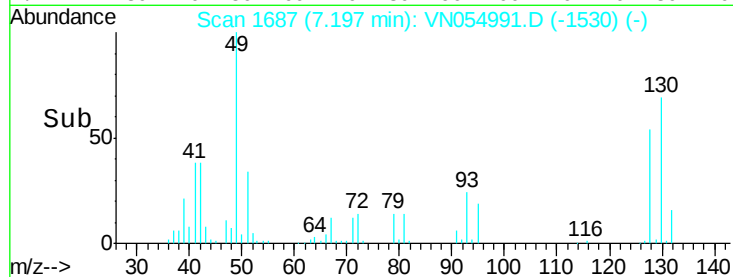
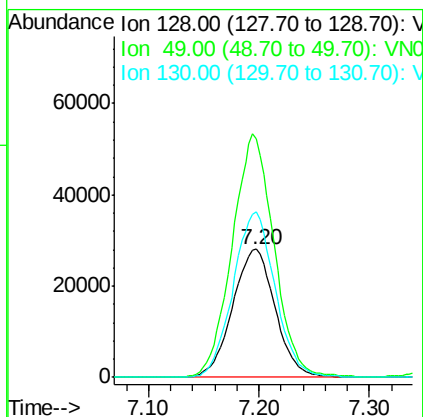
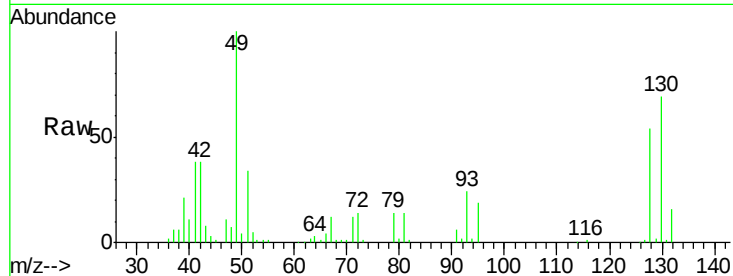
VSTDCCC020

Tot Ion:128 Resp: 74925

Ion	Ratio	Lower	Upper
128	100		
49	187.1	0.0	480.3
130	127.2	0.0	322.2

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#2

Dichlorodifluoromethane

Concen: 20.204 ug/l

RT: 1.85 min Scan# 25

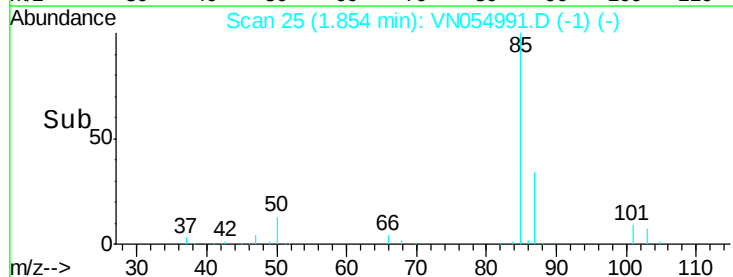
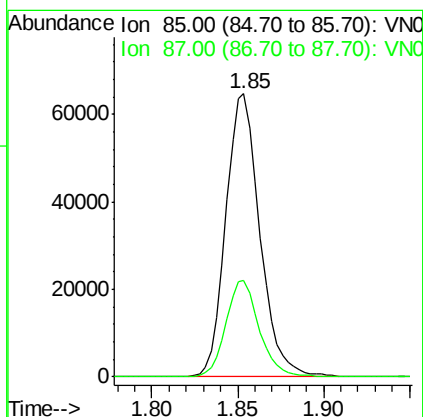
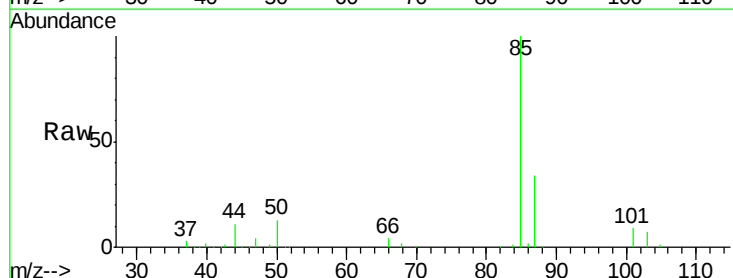
Delta R.T. 0.00 min

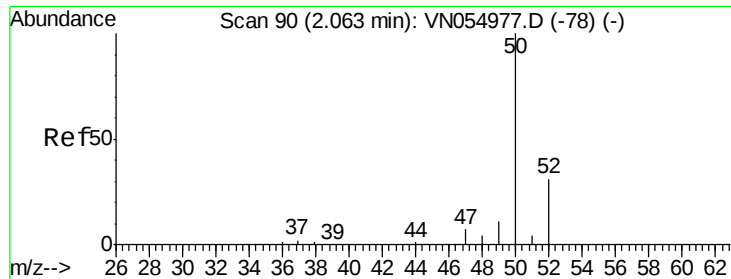
Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Tgt Ion: 85 Resp: 89030

Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.1	48.3





#3

Chloromethane

Concen: 20.371 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 121266

Ion Ratio Lower Upper

50 100

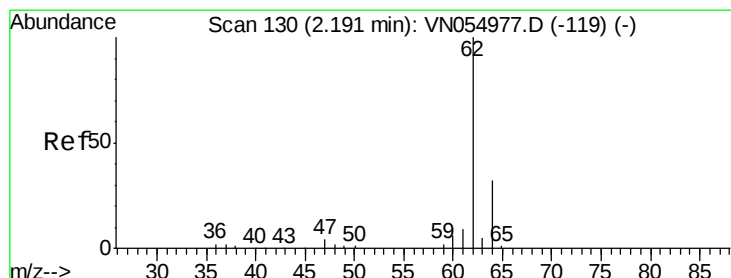
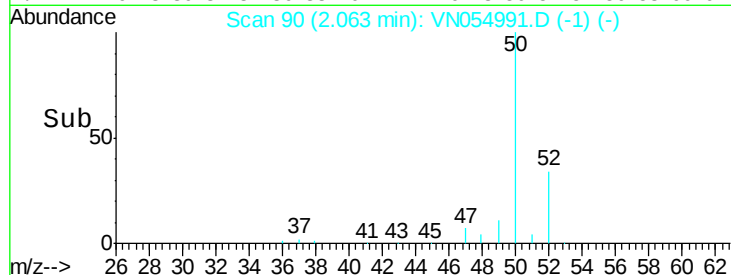
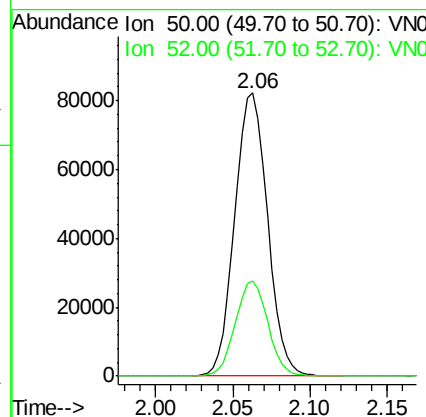
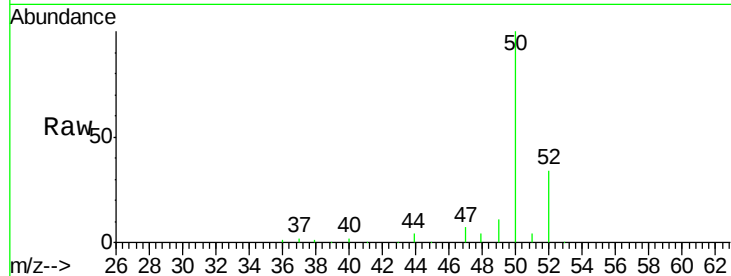
52 33.8 24.5 36.7

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#4

Vinyl Chloride

Concen: 20.095 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054991.D

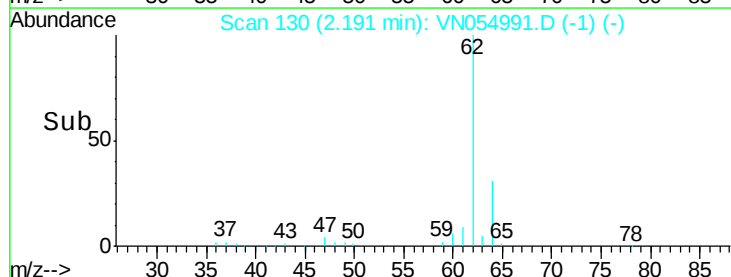
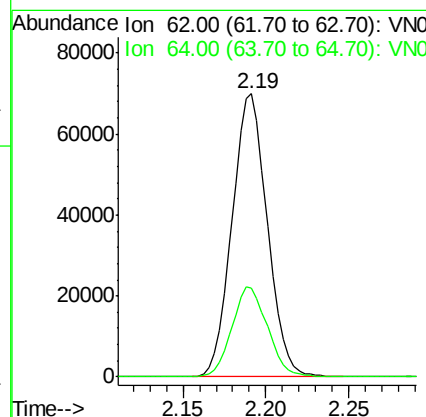
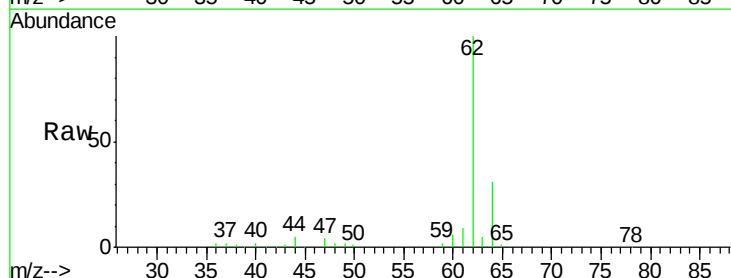
Acq: 12 Apr 2019 10:44

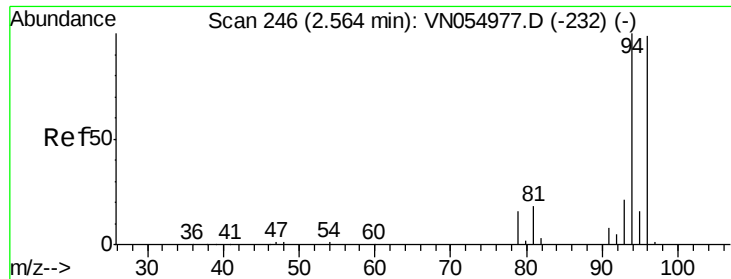
Tgt Ion: 62 Resp: 103443

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4





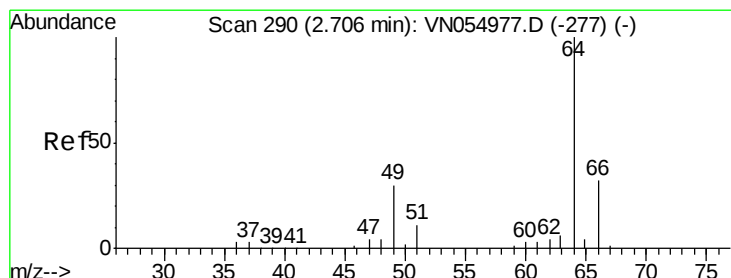
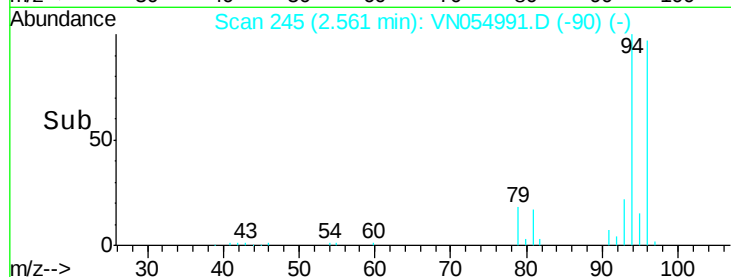
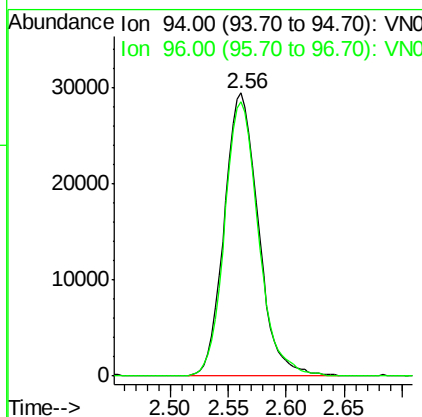
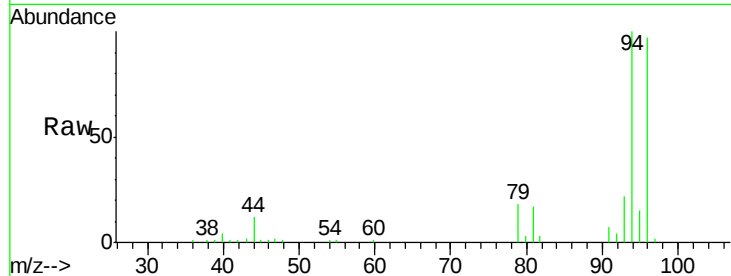
#5
Bromomethane
Concen: 20.216 ug/l
RT: 2.56 min Scan# 245
Delta R.T. -0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
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Tot Ion: 94 Resp: 60193
Ion Ratio Lower Upper
94 100
96 96.9 79.1 118.7

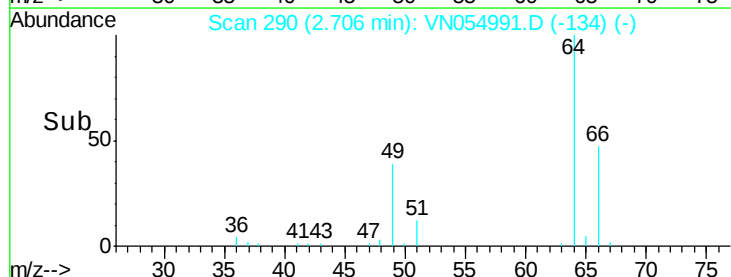
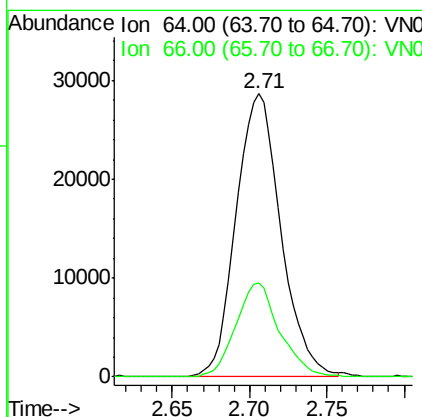
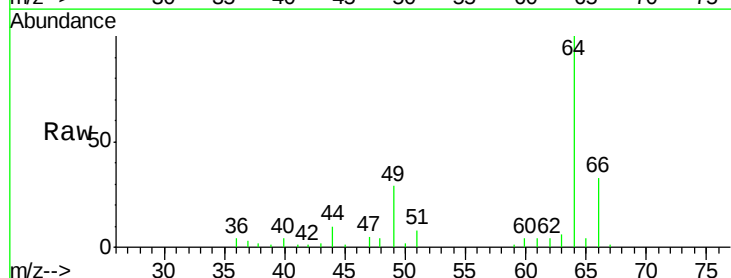
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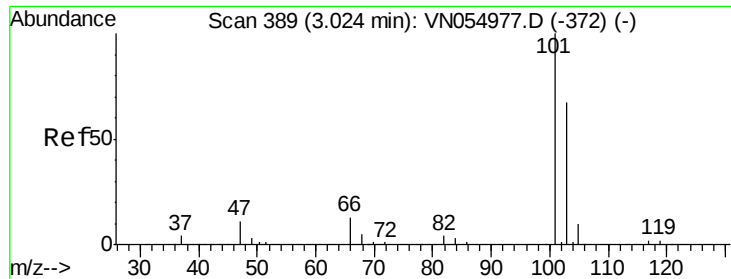
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#6
Chloroethane
Concen: 20.032 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 64 Resp: 57751
Ion Ratio Lower Upper
64 100
66 33.0 25.7 38.5





#7

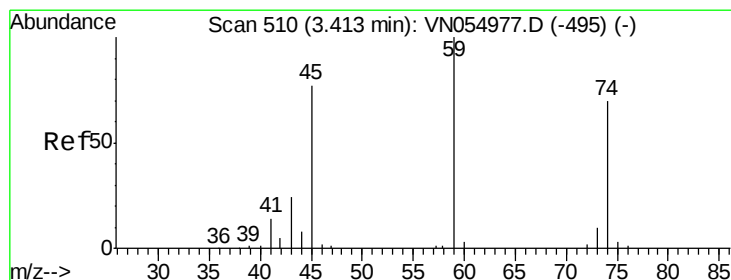
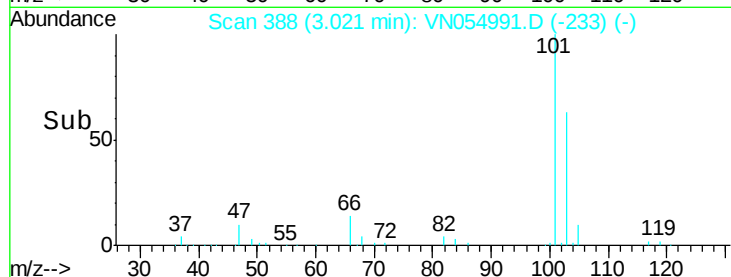
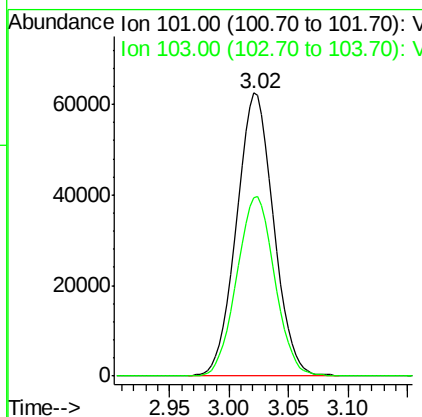
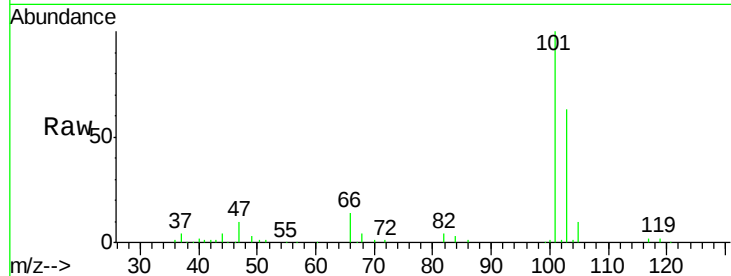
Trichlorofluoromethane
Concen: 20.565 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.4	80.0

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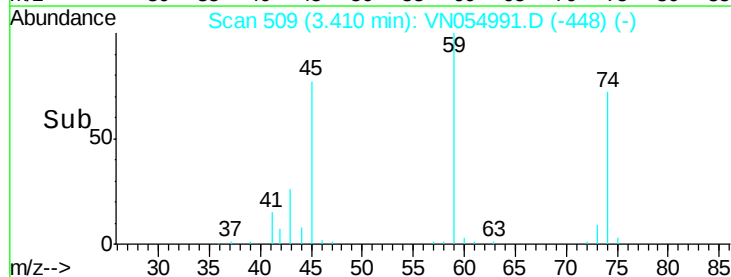
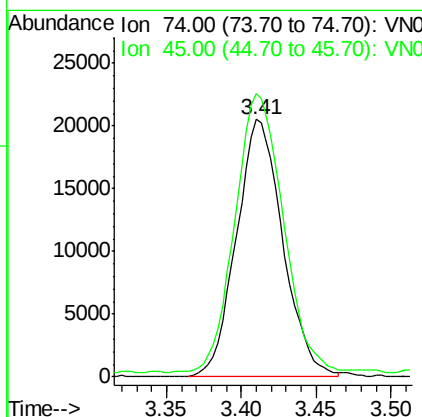
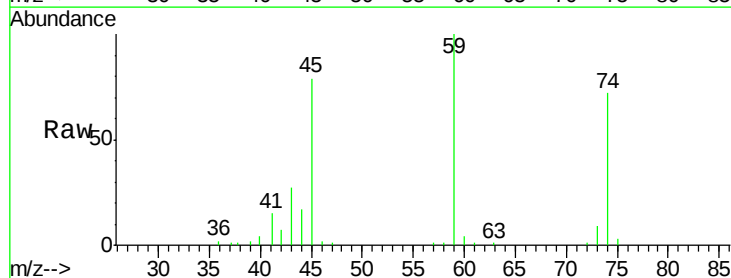
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4/17/2019 9:35:33 AM

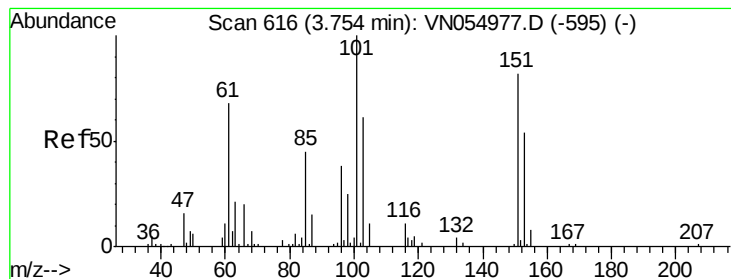


#8

Diethyl Ether
Concen: 20.972 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.0	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.998 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

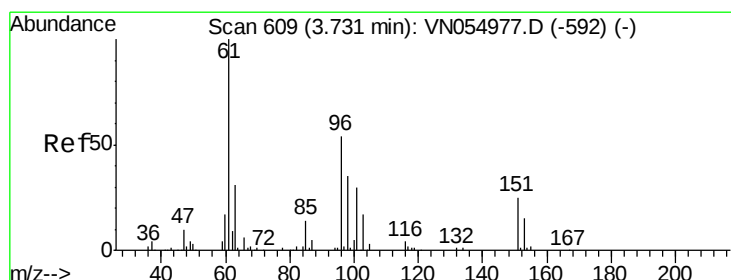
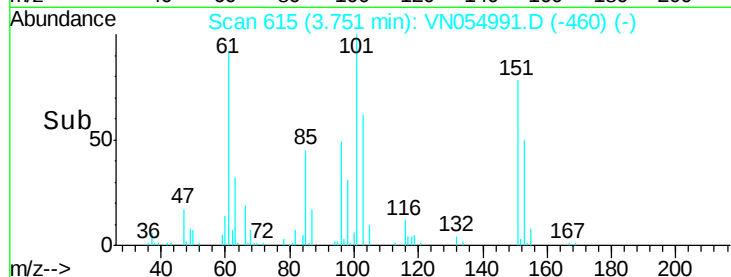
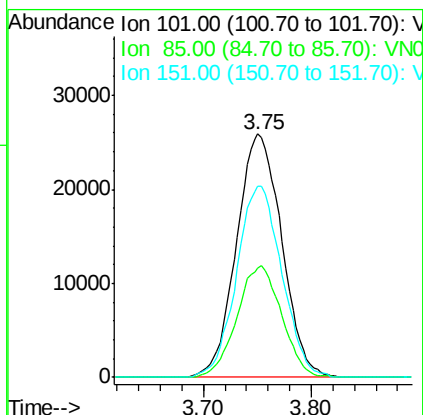
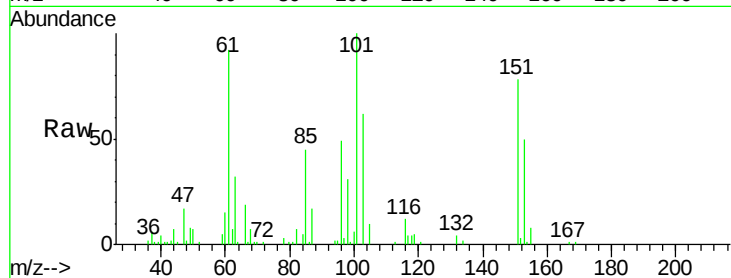
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	75505
Ion Ratio	Lower	Upper	
101	100		
85	45.3	0.0	91.4
151	78.7	0.0	165.6

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#10

1,1-Dichloroethene

Concen: 19.849 ug/l

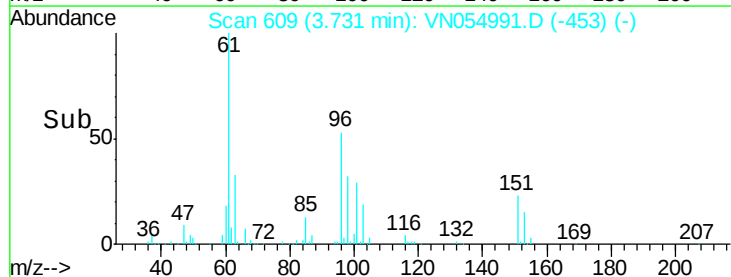
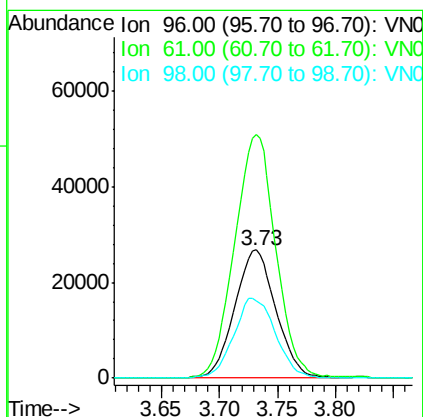
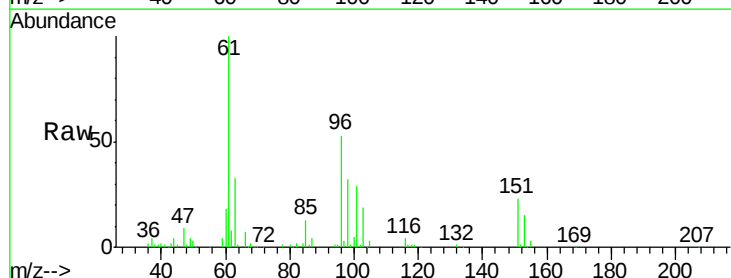
RT: 3.73 min Scan# 609

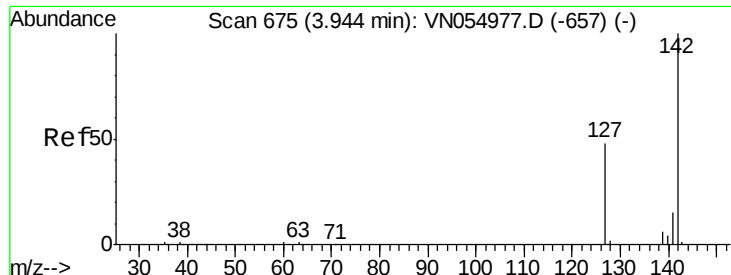
Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Tgt Ion:	96	Resp:	65988
Ion Ratio	Lower	Upper	
96	100		
61	190.2	148.4	222.6
98	60.1	52.2	78.2





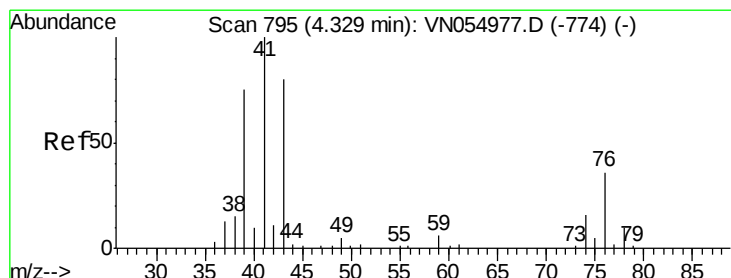
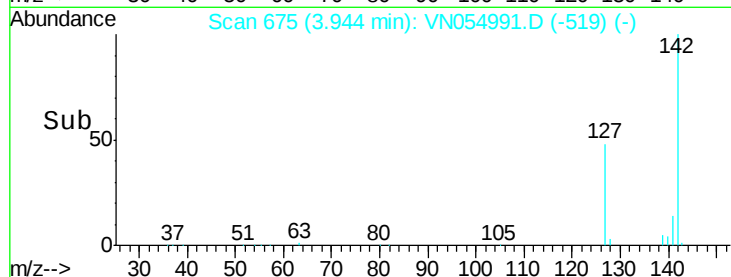
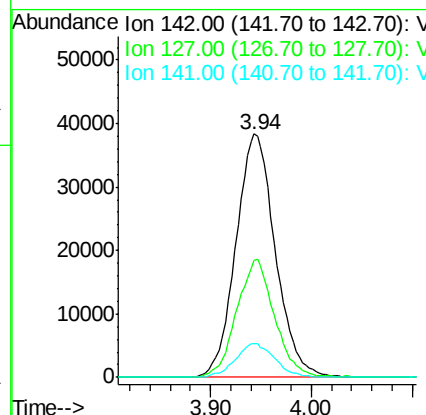
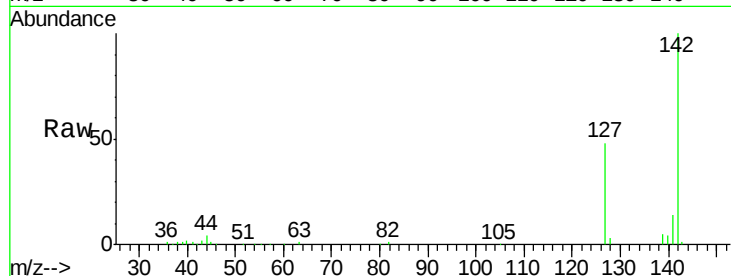
#11
Methvl Iodide
Concen: 20.620 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.8	23.8	71.5
141	14.0	7.3	22.0

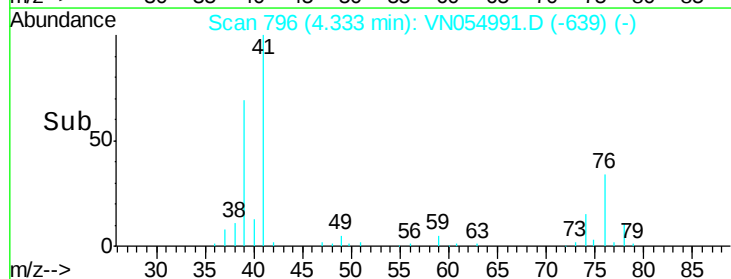
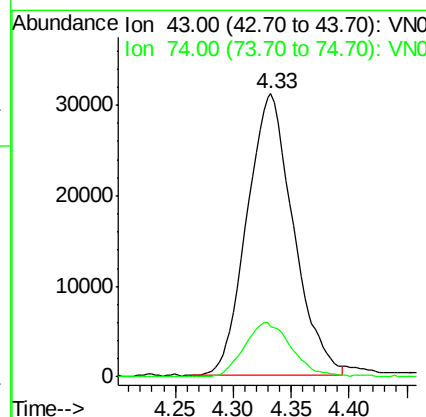
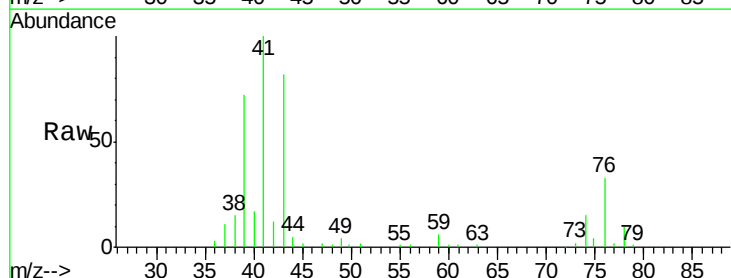
Manual Integrations
APPROVED

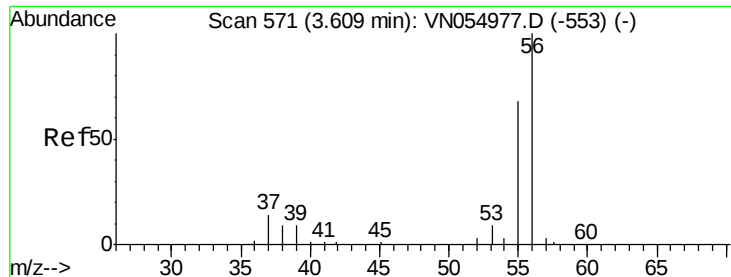
MMDadoda
4/17/2019 9:35:33 AM



#12
Methyl Acetate
Concen: 21.178 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.1	16.2	24.4





#13

Acrolein

Concen: 90.242 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 32341

Ion Ratio Lower Upper

56 100

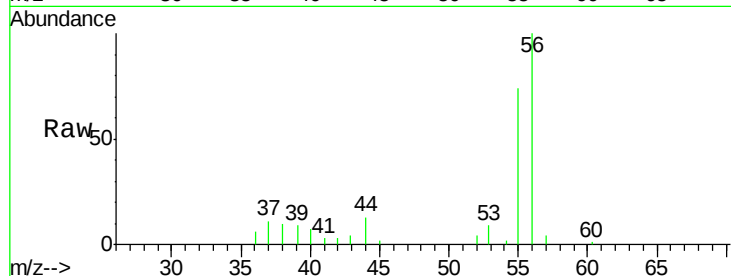
55 74.9 57.0 85.4

Manual Integrations

APPROVED

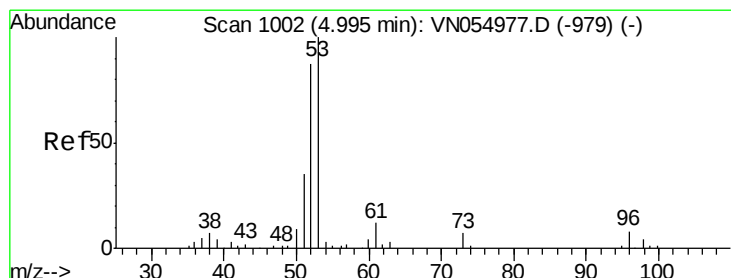
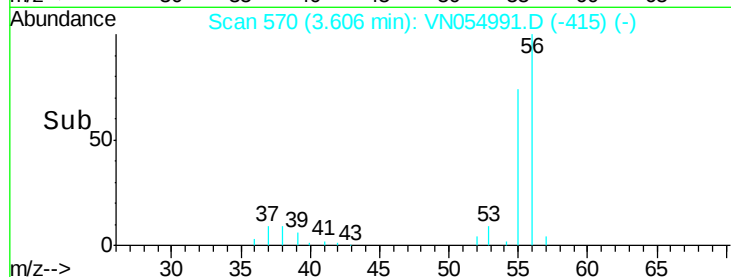
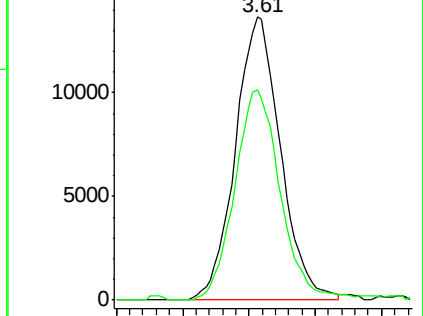
MMDadoda

4/17/2019 9:35:33 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Acrylonitrile

Concen: 102.166 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

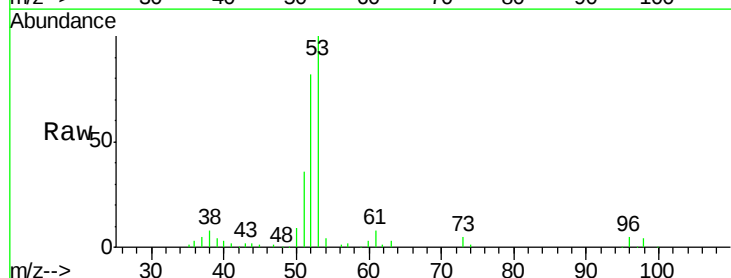
Tgt Ion: 53 Resp: 171160

Ion Ratio Lower Upper

53 100

52 82.3 42.3 126.8

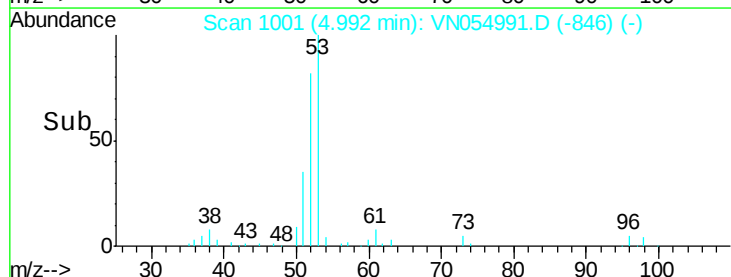
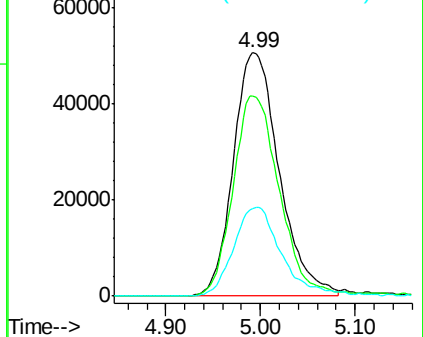
51 36.4 18.6 56.0

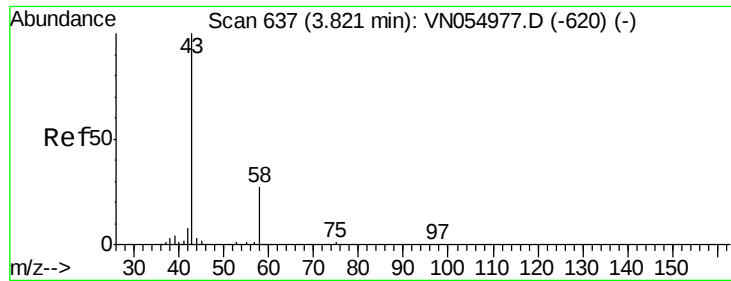


Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO





#15

Acetone

Concen: 99.438 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 41223

Ion Ratio Lower Upper

58 100

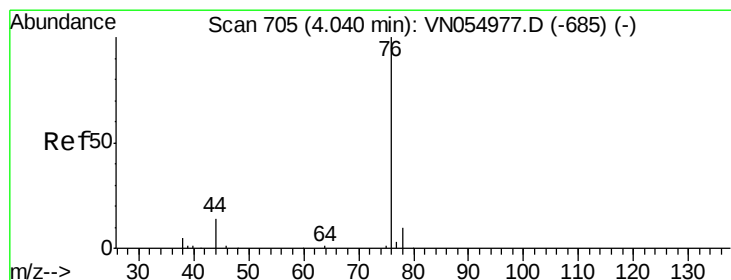
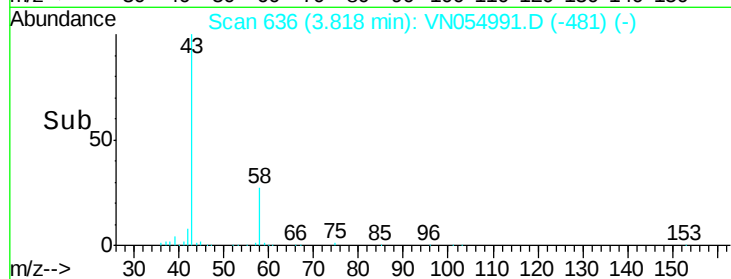
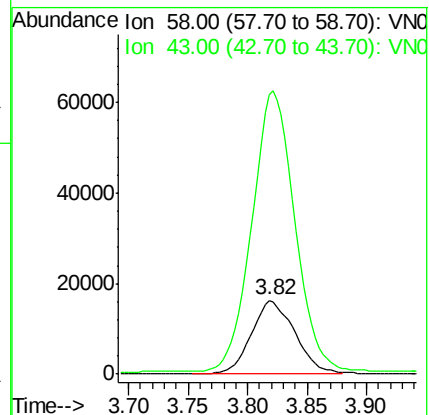
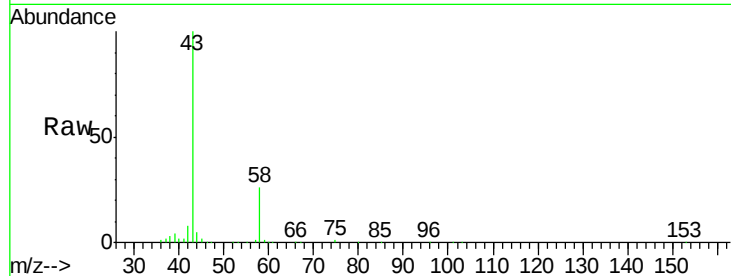
43 375.9 297.2 445.8

Manual Integrations

APPROVED

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4/17/2019 9:35:33 AM



#16

Carbon Disulfide

Concen: 19.229 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054991.D

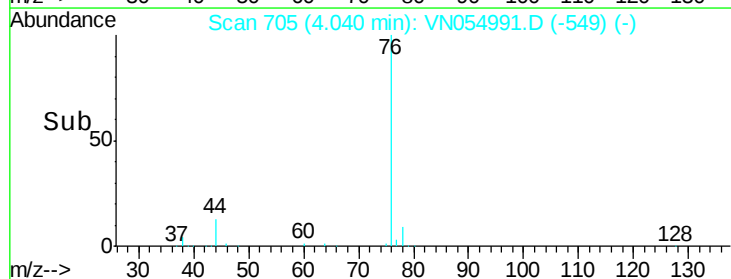
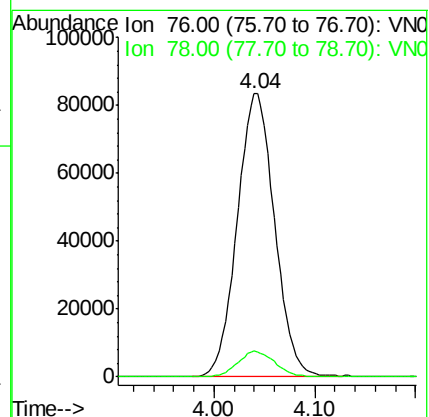
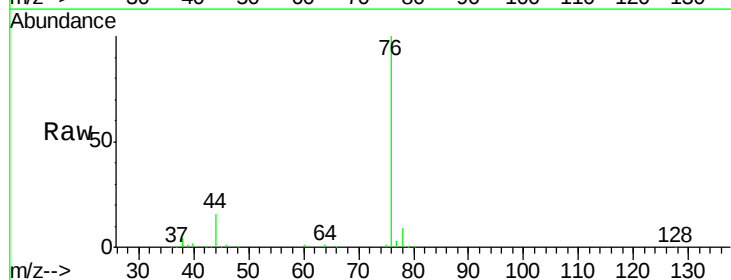
Acq: 12 Apr 2019 10:44

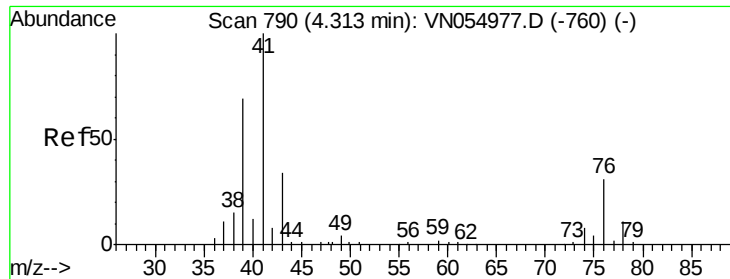
Tgt Ion: 76 Resp: 214429

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.6





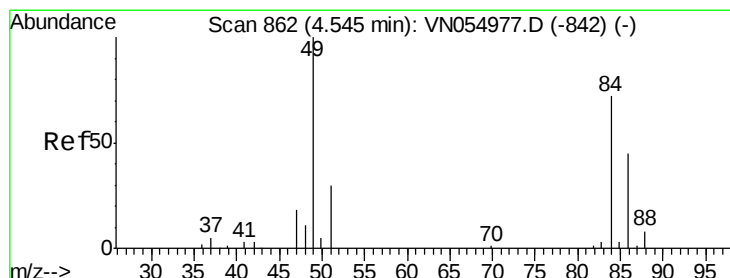
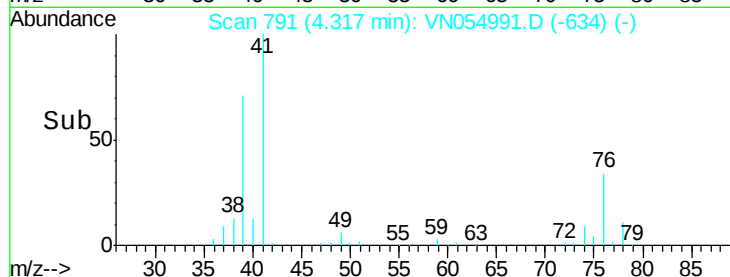
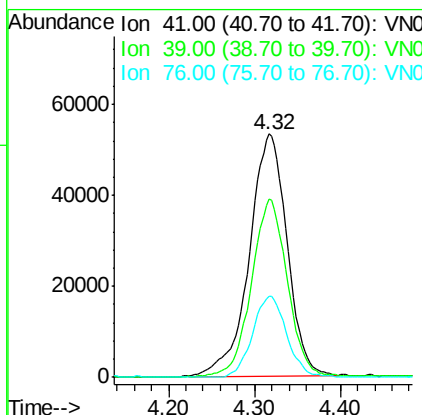
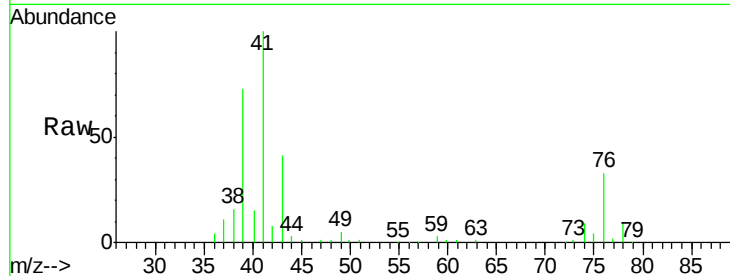
#17
Allvl chloride
Concen: 20.003 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.1	34.3	102.9
76	33.3	15.8	47.3

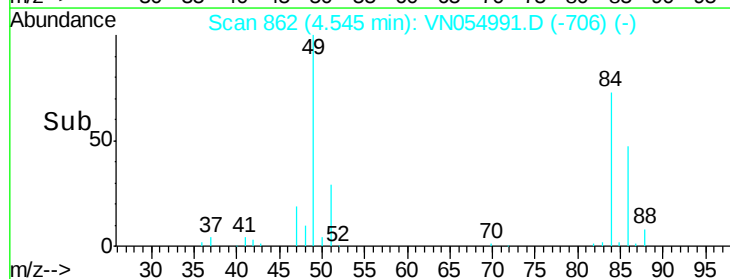
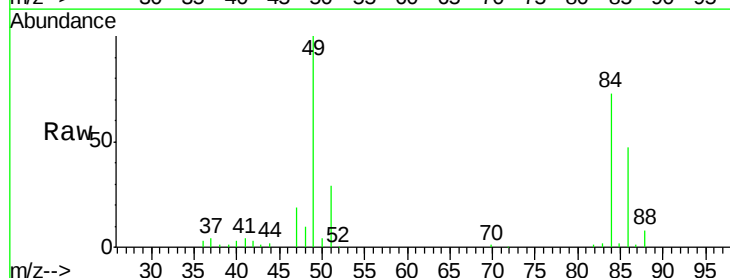
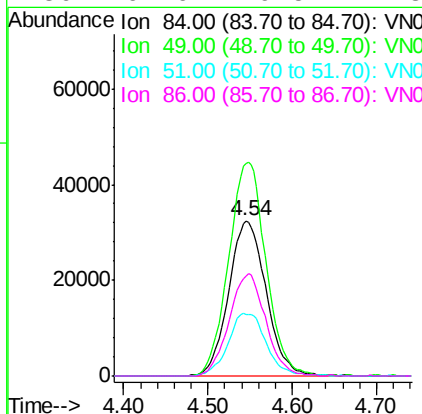
Manual Integrations
APPROVED

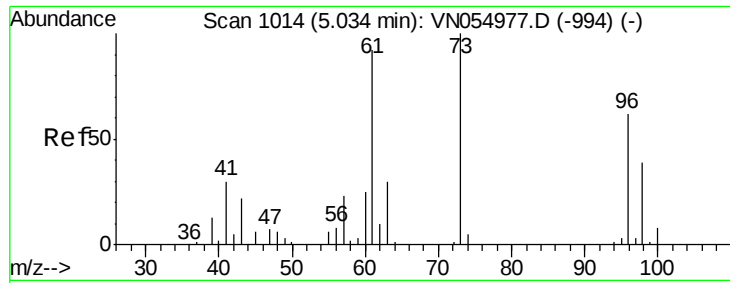
MMDadoda
4/17/2019 9:35:33 AM



#18
Methylene Chloride
Concen: 20.399 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.2	111.0	166.4
51	39.8	33.4	50.2
86	64.6	49.5	74.3





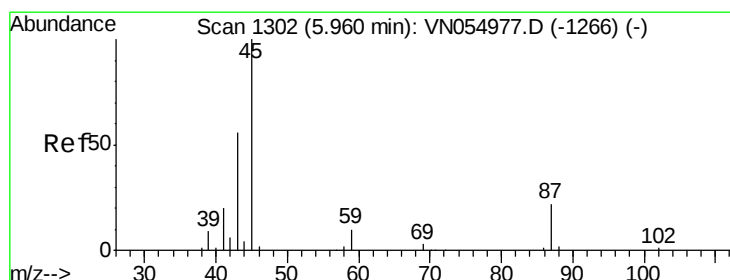
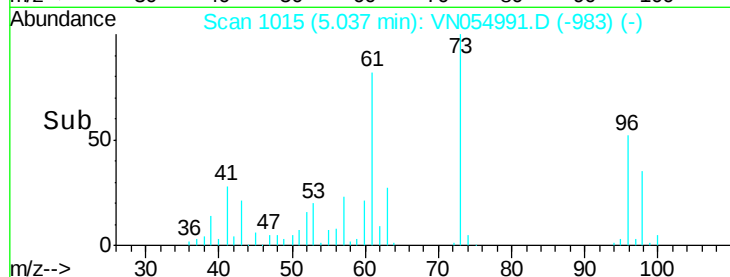
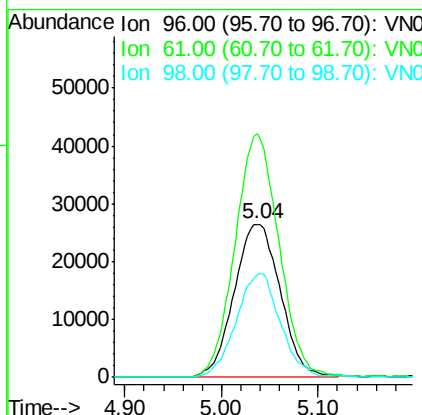
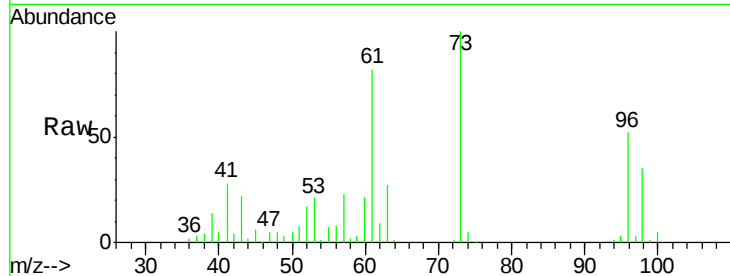
#19
trans-1,2-Dichloroethene
Concen: 20.306 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	159.4	117.2	175.8	
98	67.0	49.4	74.2	

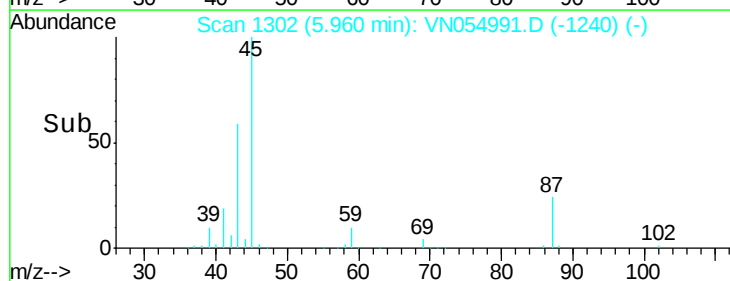
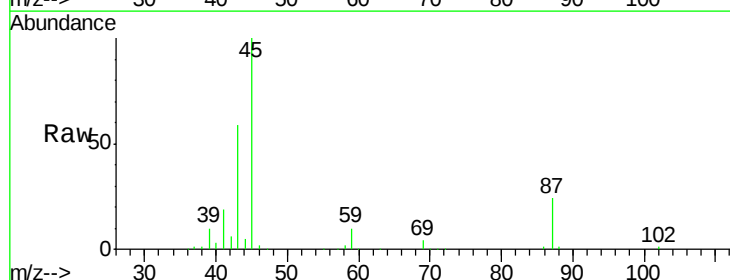
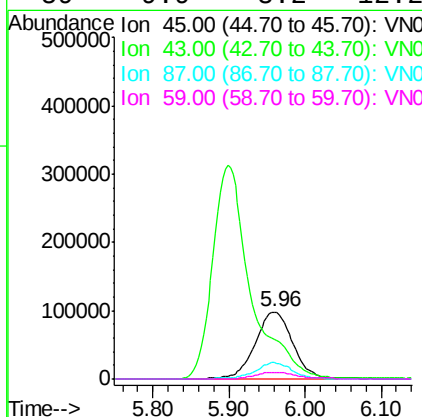
Manual Integrations
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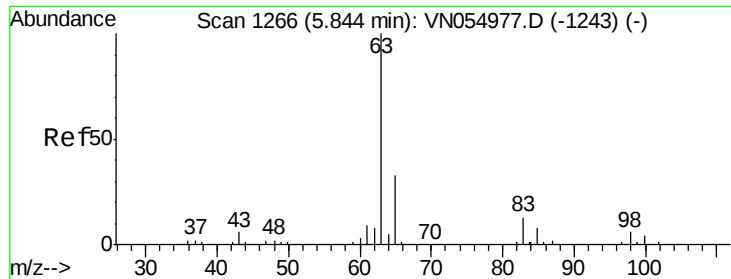
MMDadoda
4/17/2019 9:35:33 AM



#20
Diisopropyl ether
Concen: 20.366 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	56.9	45.8	68.8	
87	23.7	18.2	27.4	
59	9.9	8.2	12.2	





#21

1,1-Dichloroethane

Concen: 20.542 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

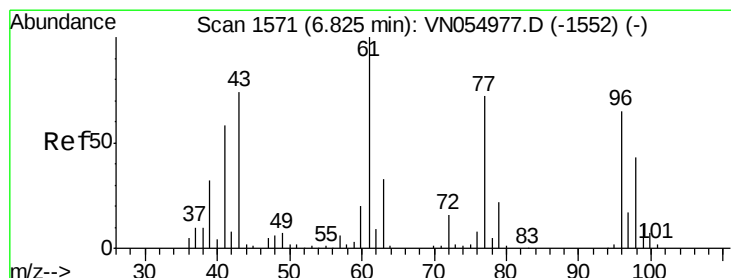
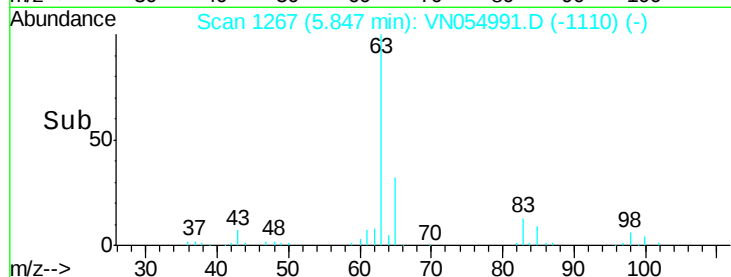
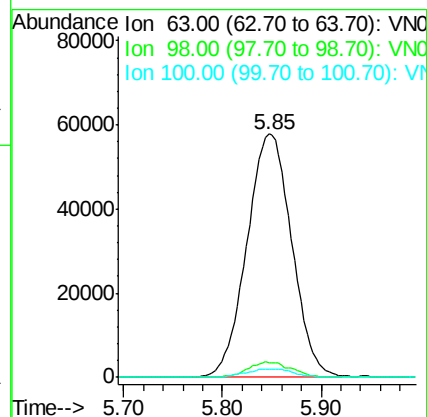
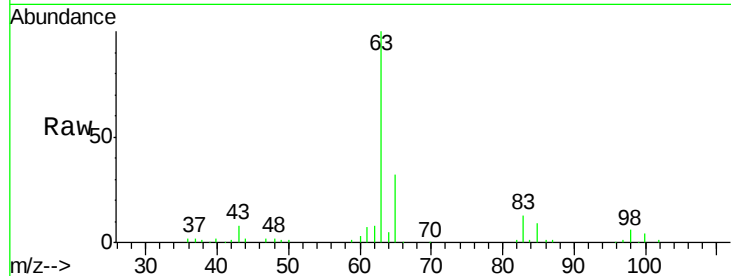
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	181972
Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.9	8.7
100	3.6	2.0	5.8

Manual Integrations
APPROVED

MMDadoda
4/17/2019 9:35:33 AM



#22

cis-1,2-Dichloroethene

Concen: 20.473 ug/l

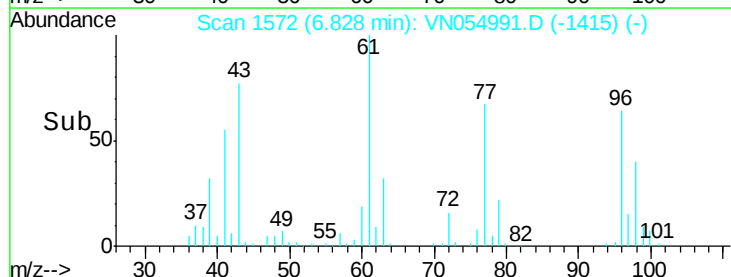
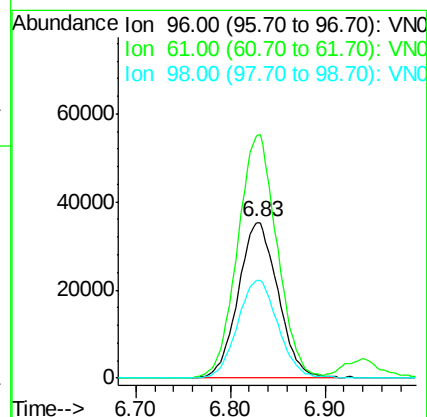
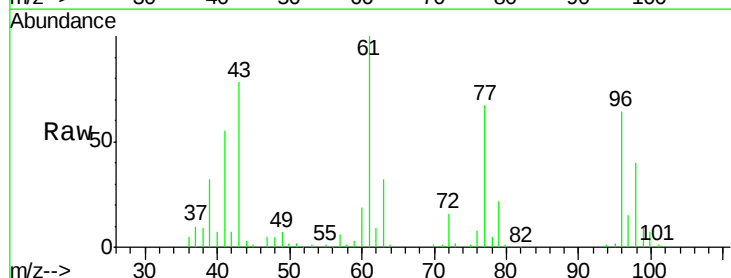
RT: 6.83 min Scan# 1572

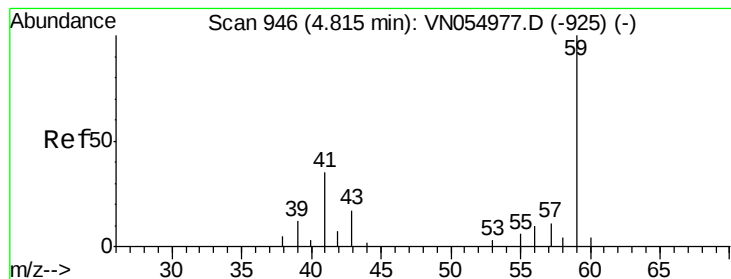
Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Tgt Ion:	96	Resp:	102984
Ion	Ratio	Lower	Upper
96	100		
61	155.3	125.0	187.6
98	63.9	52.2	78.2





#23

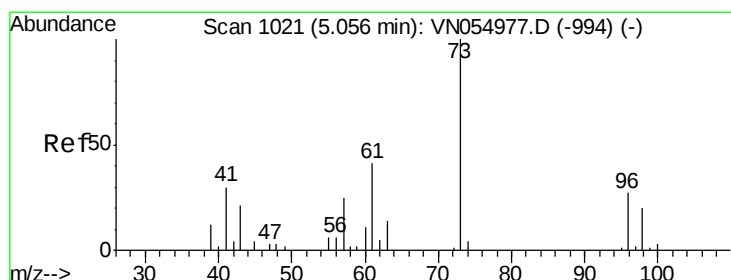
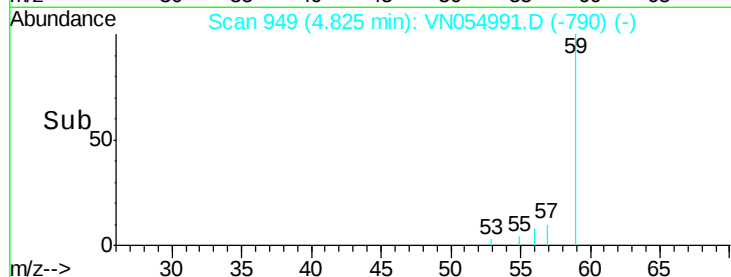
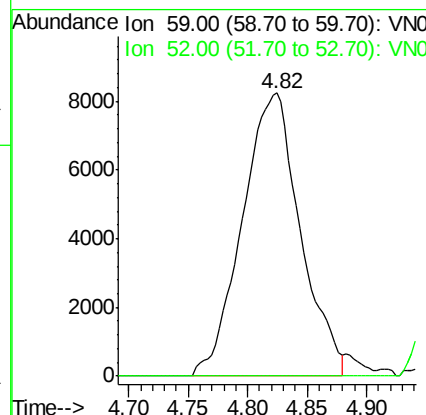
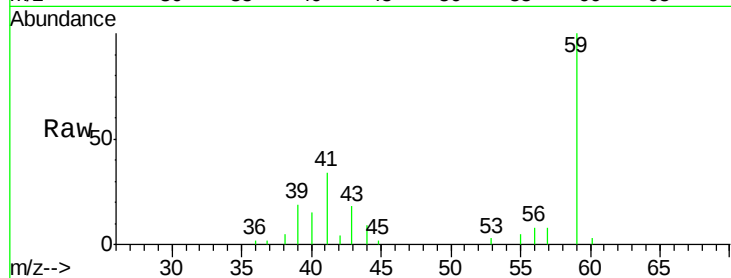
tert-Butyl Alcohol
 Concen: 104.342 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

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

Manual Integrations
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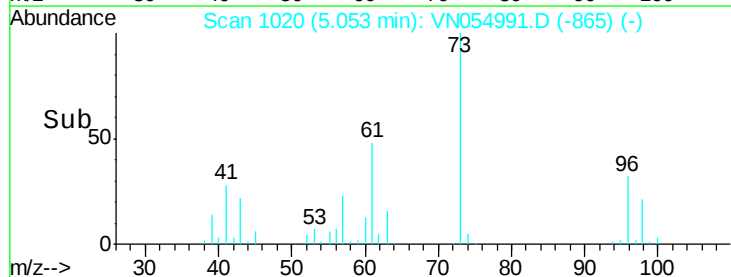
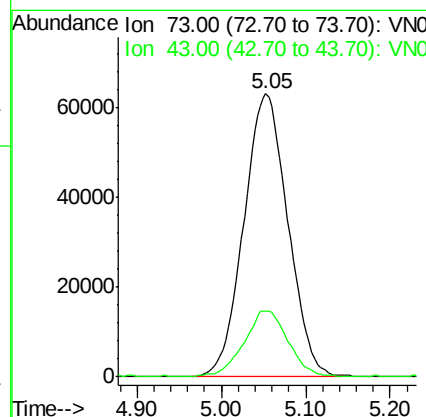
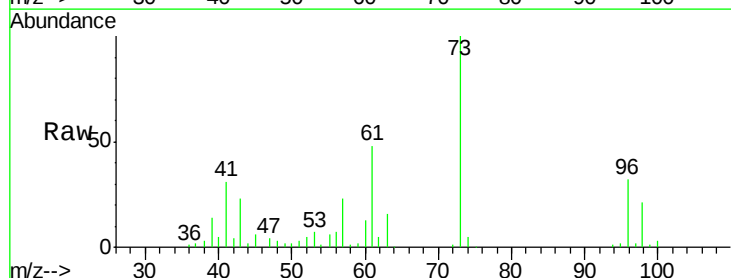
MMDadoda
 4/17/2019 9:35:33 AM

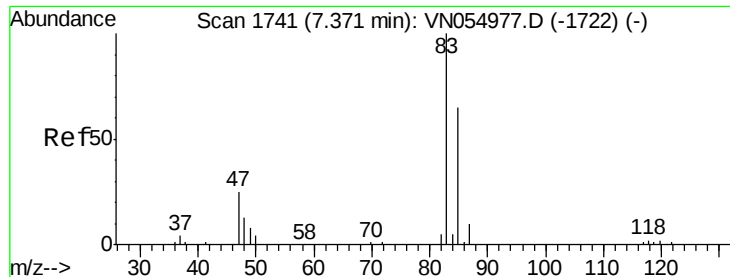


#24

Methyl tert-Butyl Ether
 Concen: 20.538 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	21.9	8.0	12.0	#





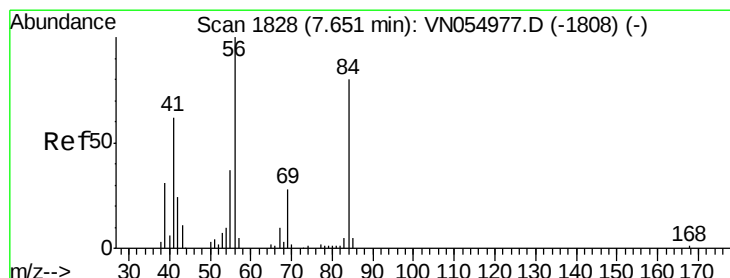
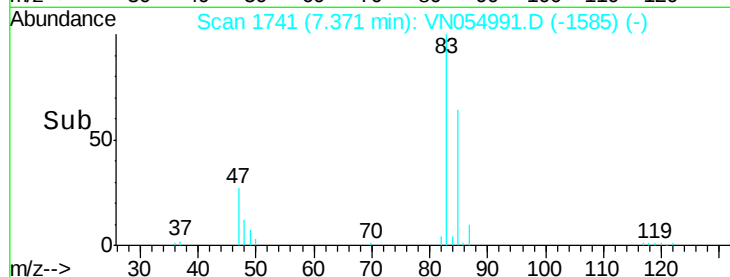
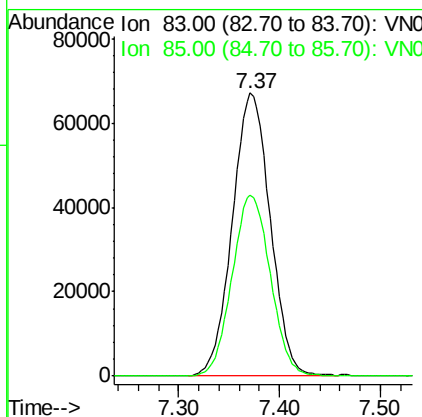
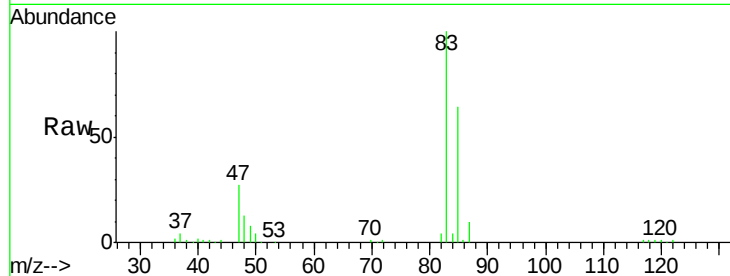
#25
Chloroform
Concen: 20.670 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	175399
Ion Ratio	100	Lower	Upper
85	64.0	51.8	77.8

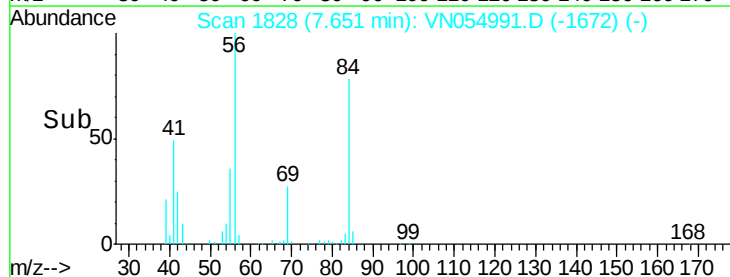
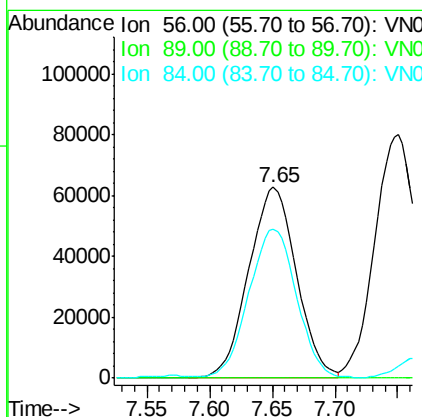
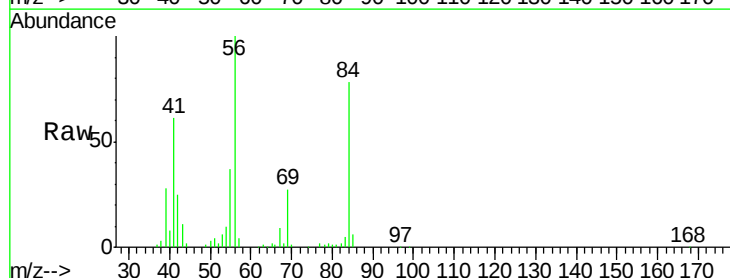
Manual Integrations
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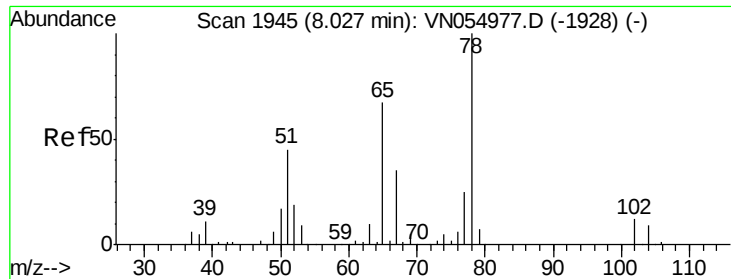
MMDadoda
4/17/2019 9:35:33 AM



#26
Cyclohexane
Concen: 20.167 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	56	Resp	165761
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	78.4	63.5	95.3





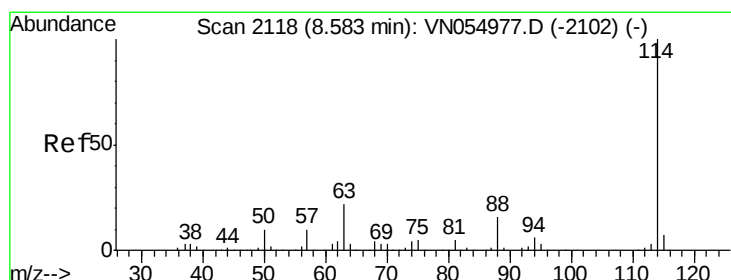
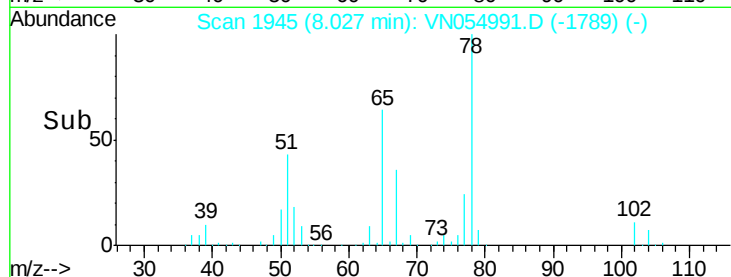
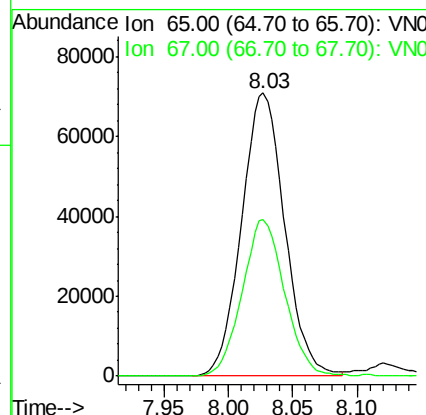
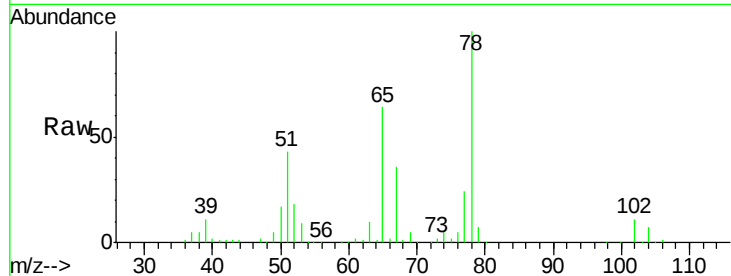
#27
 1,2-Dichloroethane-d4
 Concen: 20.167 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165313		
67	54.4	41.8	62.8	

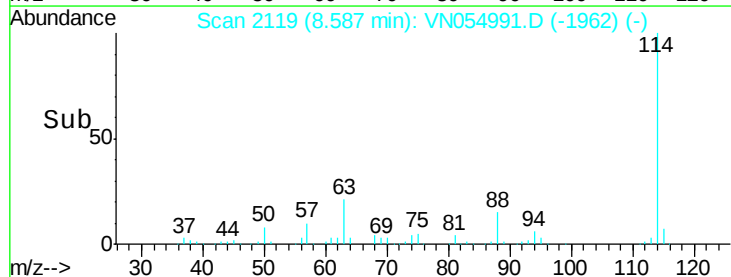
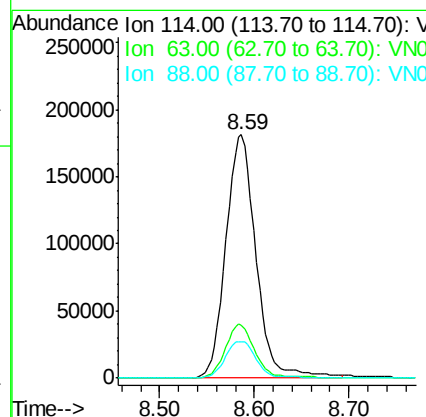
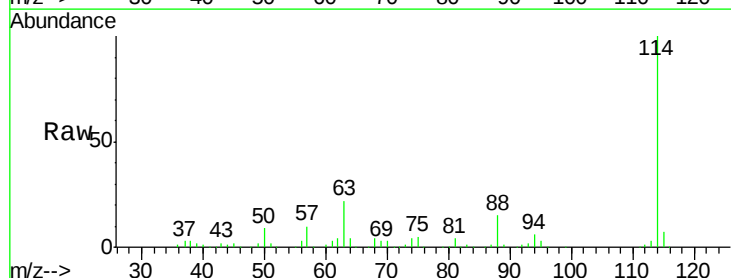
Manual Integrations
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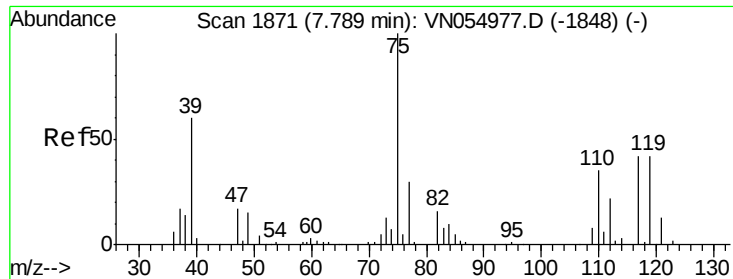
MMDadoda
 4/17/2019 9:35:33 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	402346		
63	21.2	17.0	25.4	
88	15.6	12.3	18.5	





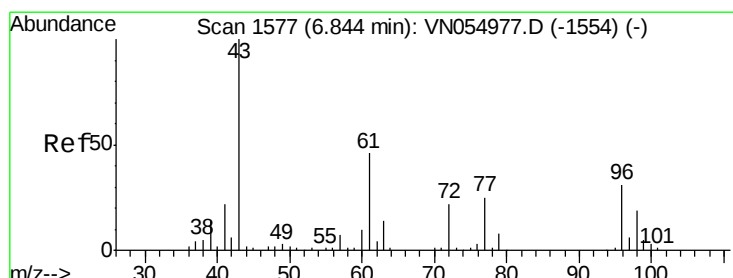
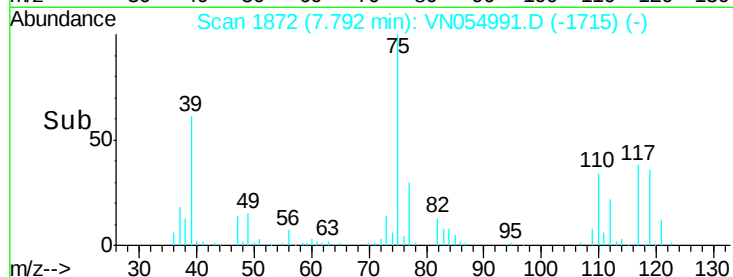
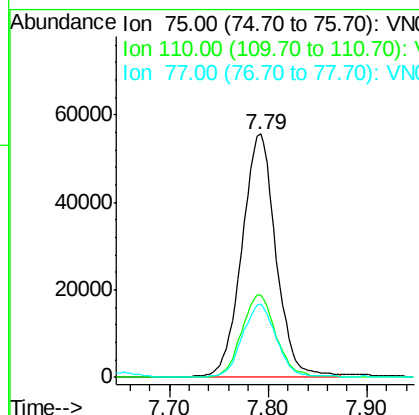
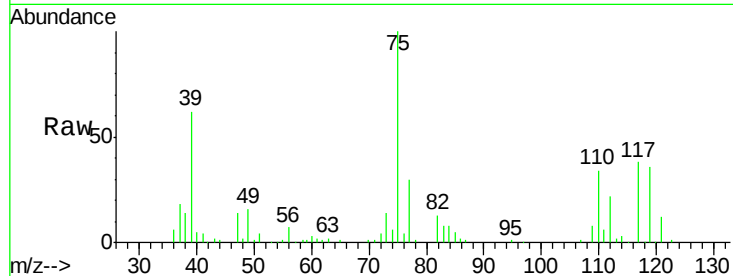
#29
 1,1-Dichloropropene
 Concen: 21.245 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.9	0.0	68.4
77	29.8	0.0	58.6

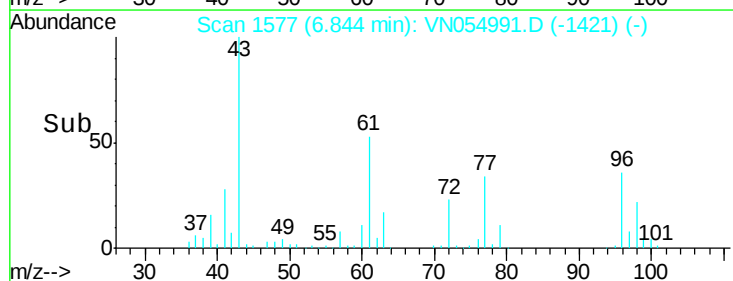
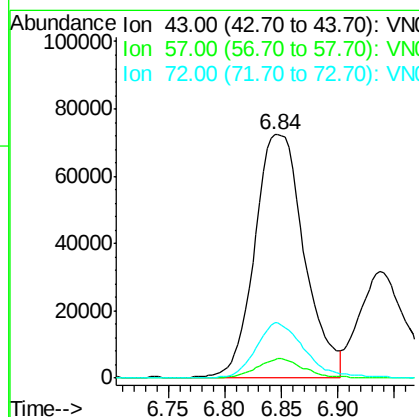
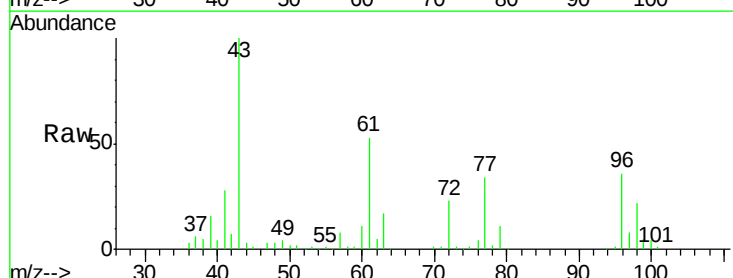
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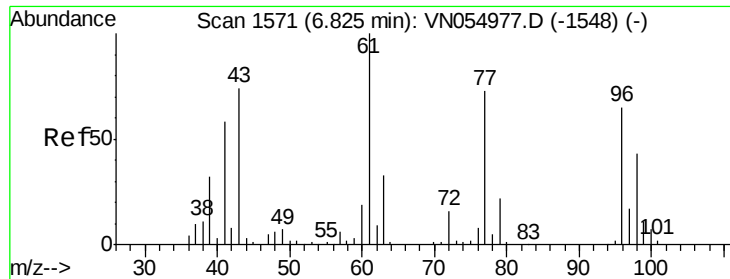
MMDadoda
 4/17/2019 9:35:33 AM



#30
 2-Butanone
 Concen: 104.860 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.8	6.0	9.0
72	22.4	18.6	27.8





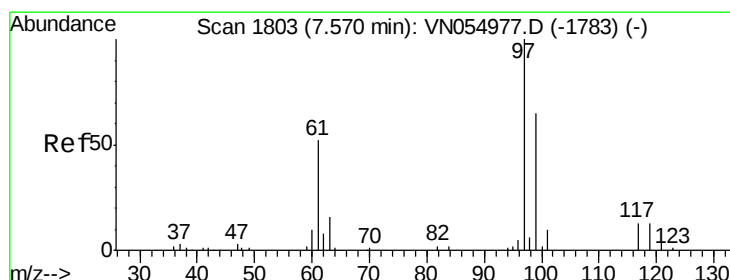
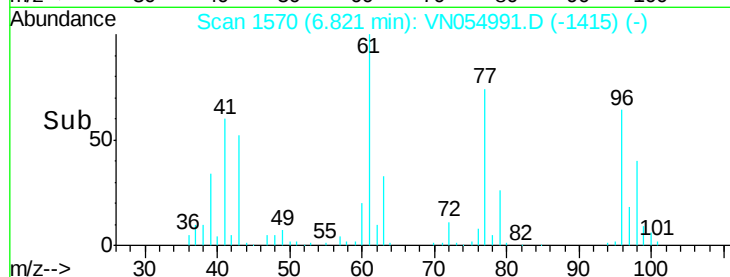
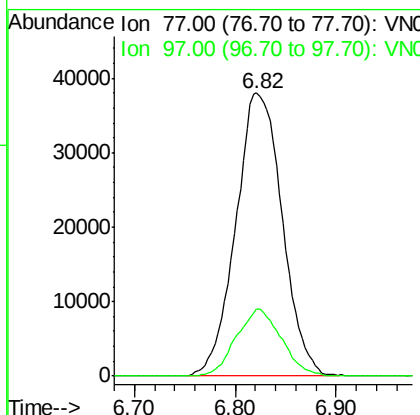
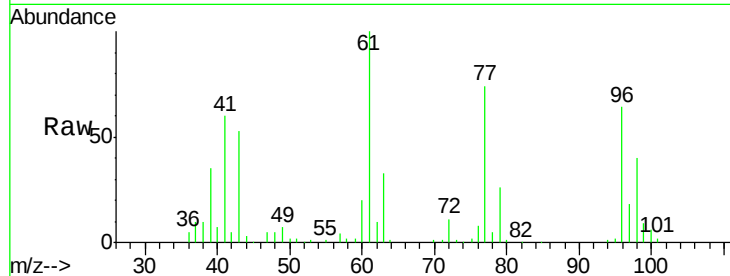
#31
 2,2-Dichloropropane
 Concen: 21.072 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 121528
 Ion Ratio Lower Upper
 77 100
 97 23.0 0.0 0.0#

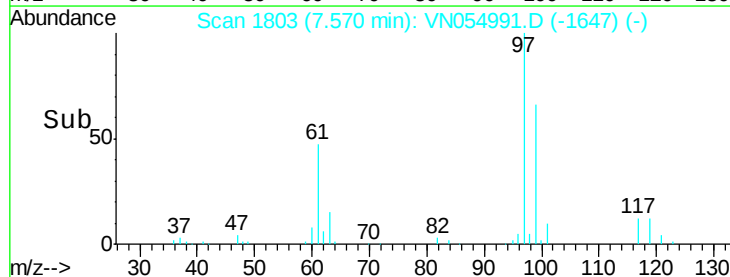
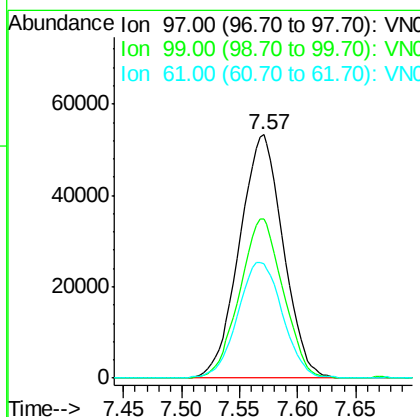
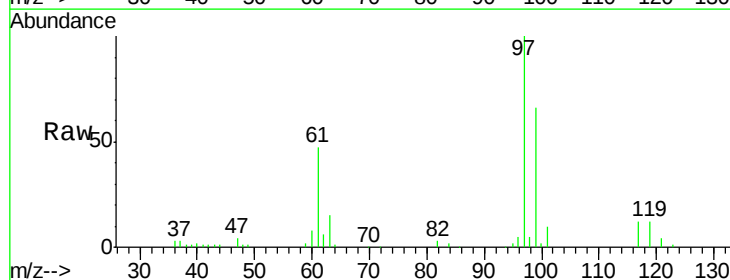
Manual Integrations
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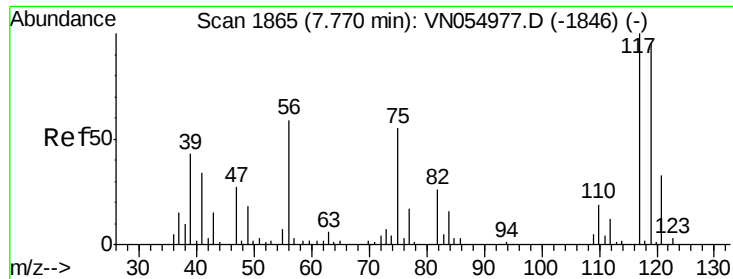
MMDadoda
 4/17/2019 9:35:33 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.182 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion: 97 Resp: 140292
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.2 76.8
 61 48.6 40.6 60.8





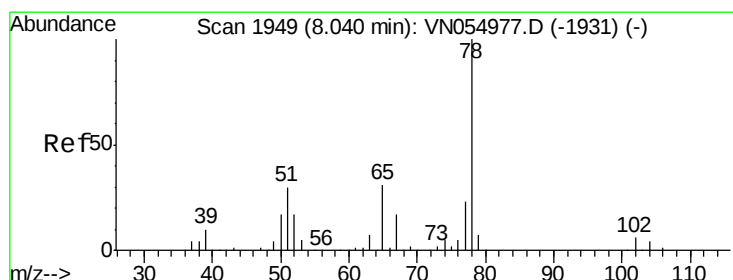
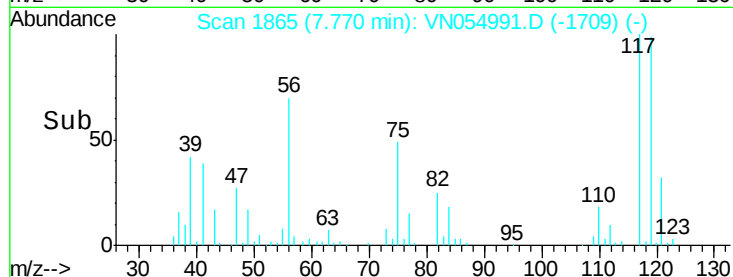
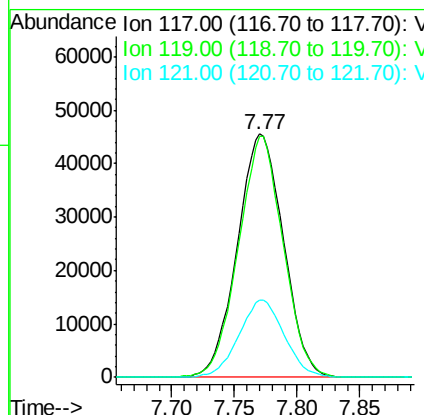
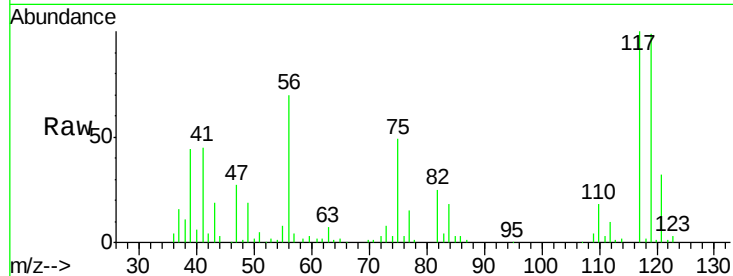
#33
Carbon Tetrachloride
Concen: 20.255 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		116147		
119	99.1	76.1	114.1		
121	31.9	26.2	39.4		

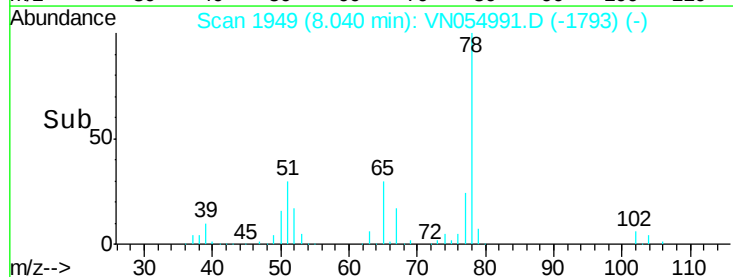
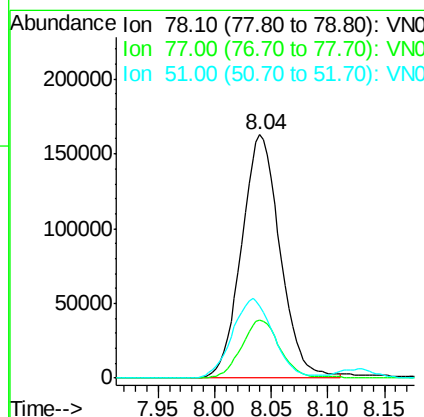
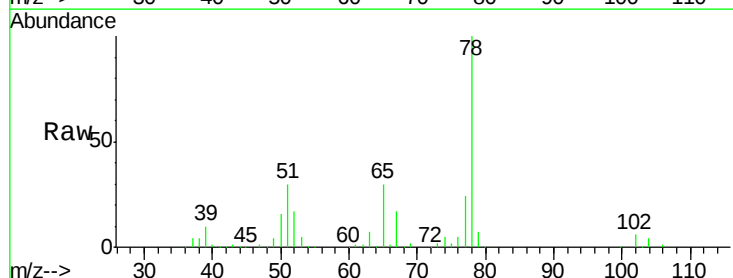
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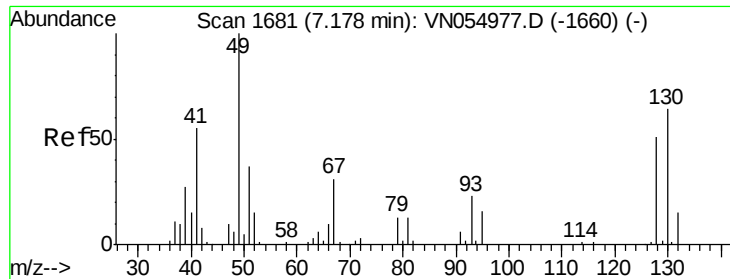
MMDadoda
4/17/2019 9:35:33 AM



#34
Benzene
Concen: 20.824 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		386686		
77	23.8	18.2	27.4		
51	29.6	23.7	35.5		





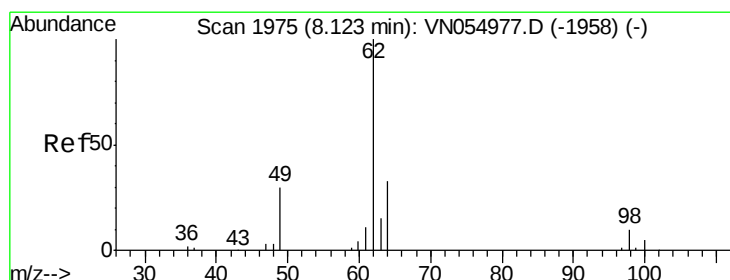
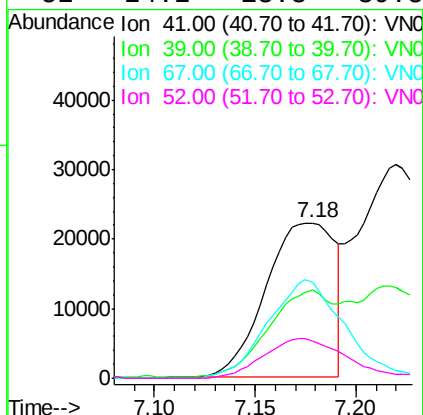
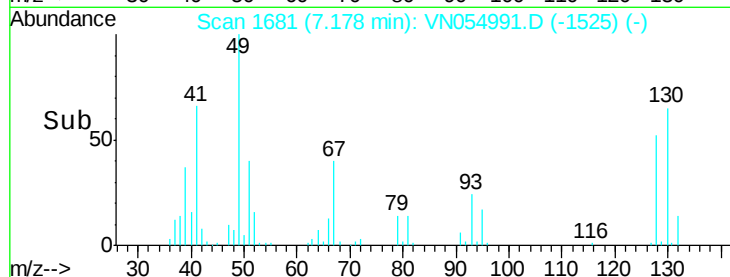
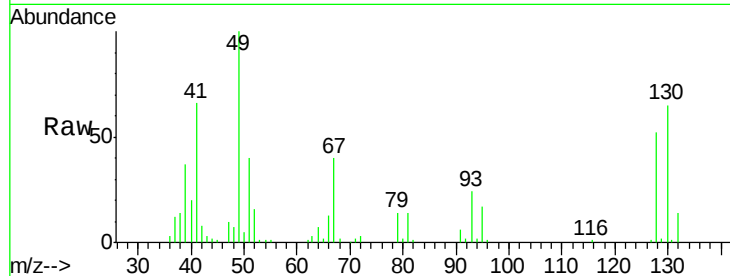
#35
Methacrylonitrile
Concen: 21.343 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	24.2	72.6	
67	62.1	28.1	84.2	
52	24.2	13.3	39.8	

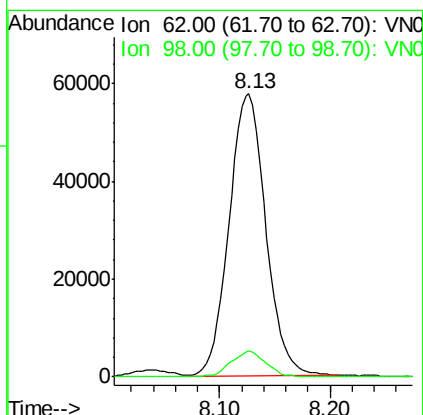
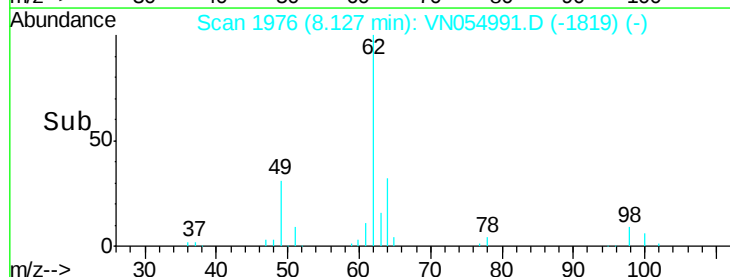
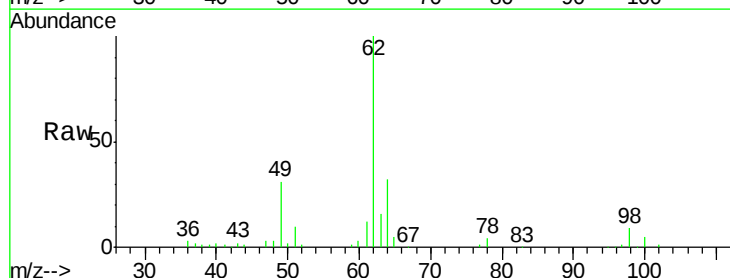
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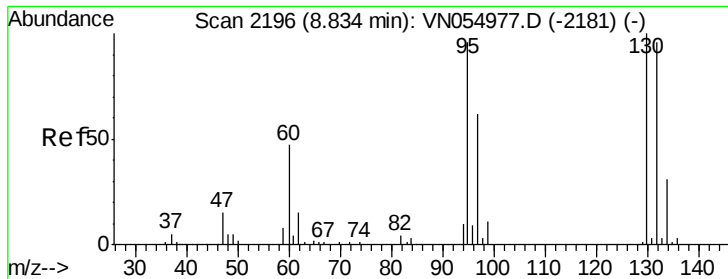
MMDadoda
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#36
1,2-Dichloroethane
Concen: 21.015 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	6.9	10.3	





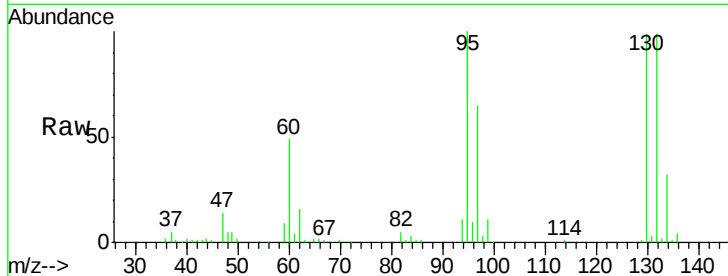
#37
 Trichloroethene
 Concen: 20.199 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

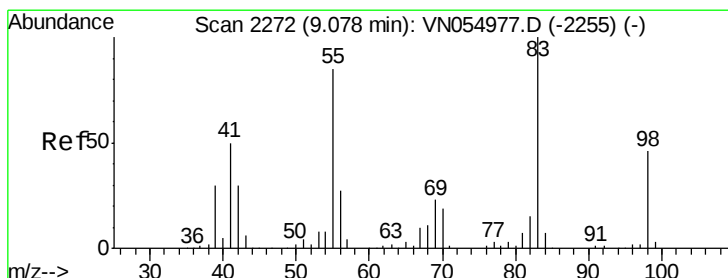
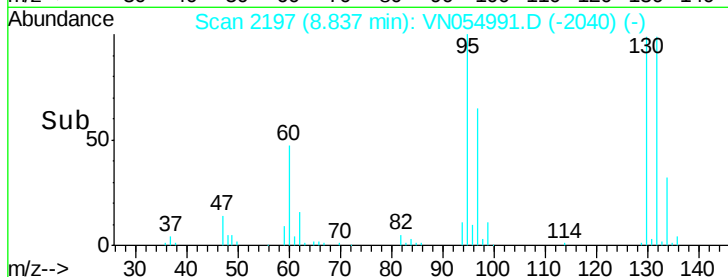
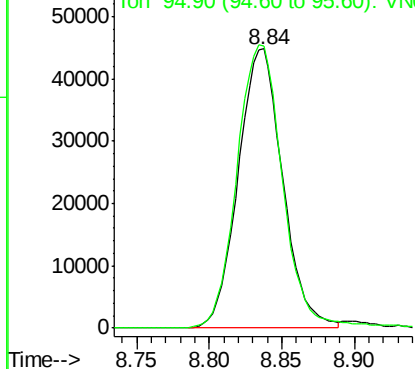
Tot Ion:130 Resp: 95620
 Ion Ratio Lower Upper
 130 100
 95 100.9 76.6 115.0

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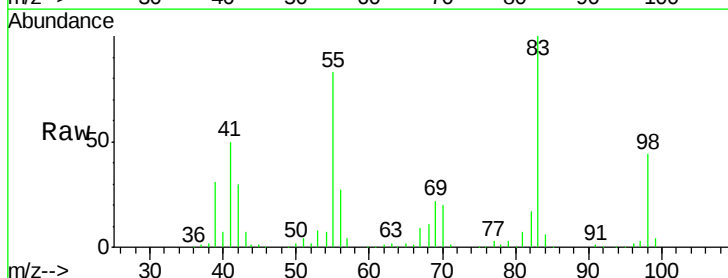


Abundance Ion 129.90 (129.60 to 130.60): VN054977.D (-2181) (-)
 Ion 94.90 (94.60 to 95.60): VN054977.D (-2181) (-)

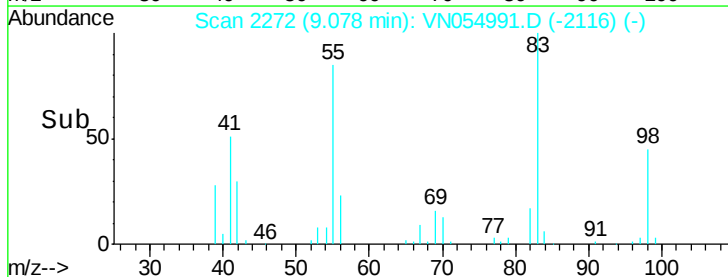
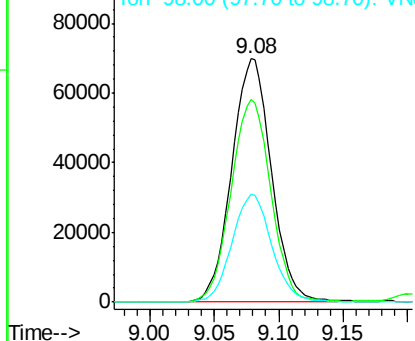


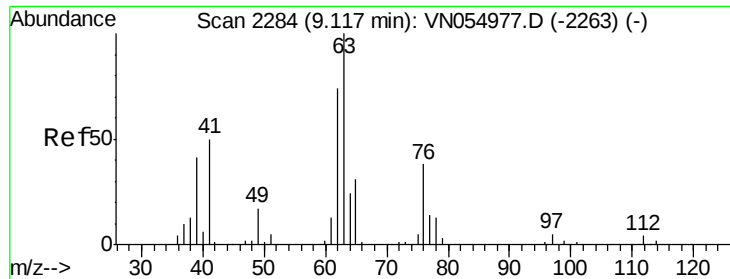
#38
 Methylcyclohexane
 Concen: 20.521 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion: 83 Resp: 149118
 Ion Ratio Lower Upper
 83 100
 55 83.8 41.9 125.6
 98 44.2 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN054977.D (-2255) (-)
 Ion 55.00 (54.70 to 55.70): VN054977.D (-2255) (-)
 Ion 98.00 (97.70 to 98.70): VN054977.D (-2255) (-)





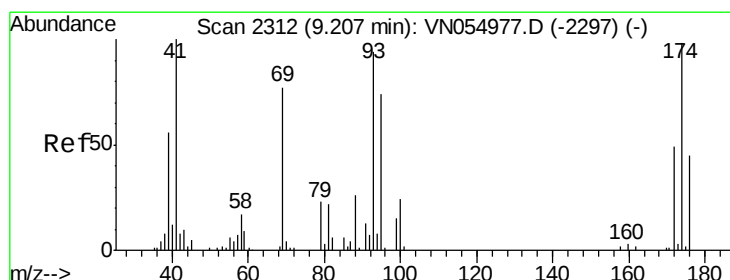
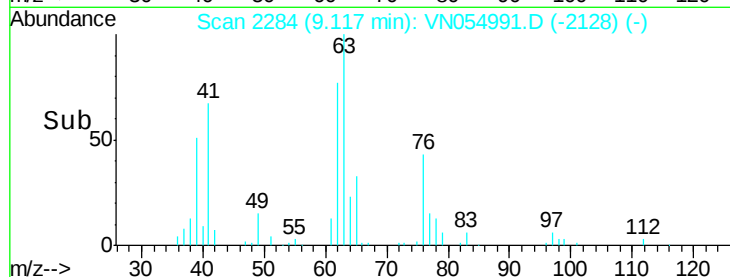
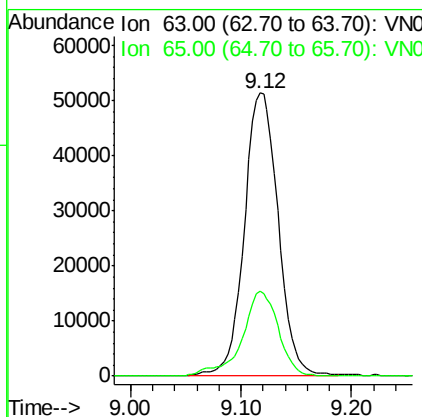
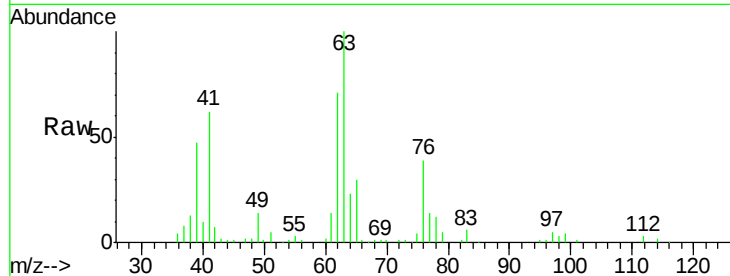
#39
 1,2-Dichloropropane
 Concen: 21.349 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 109464
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.8 37.2

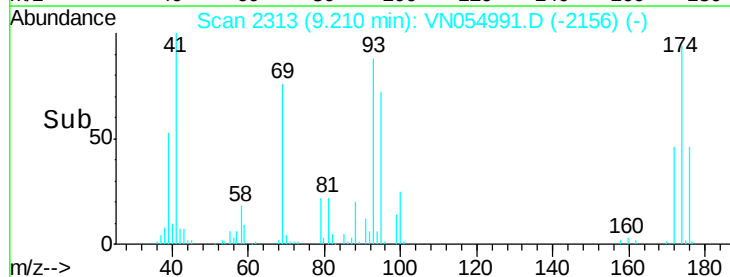
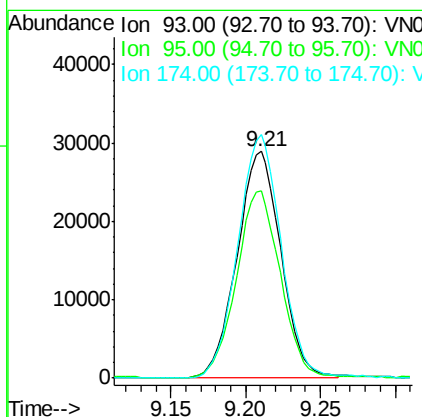
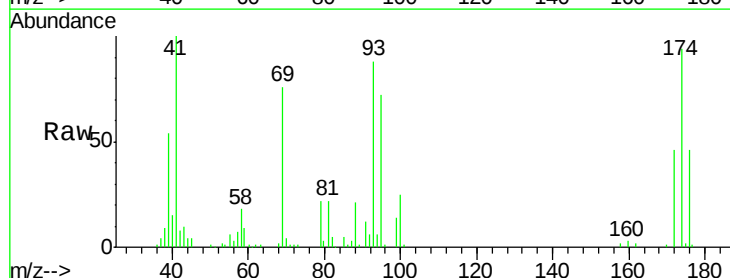
Manual Integrations
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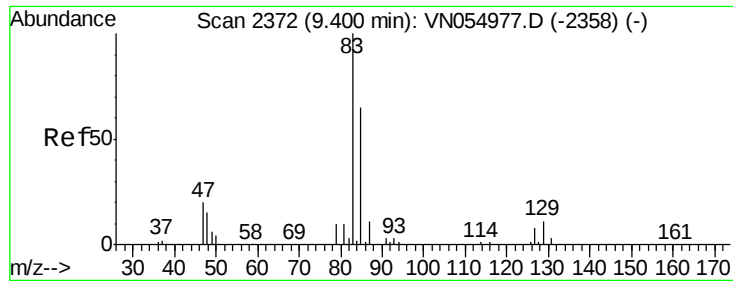
MMDadoda
 4/17/2019 9:35:33 AM



#40
 Dibromomethane
 Concen: 20.417 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion: 93 Resp: 59170
 Ion Ratio Lower Upper
 93 100
 95 82.7 0.0 160.8
 174 105.7 0.0 206.4





#41

Bromodichloromethane

Concen: 20.667 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

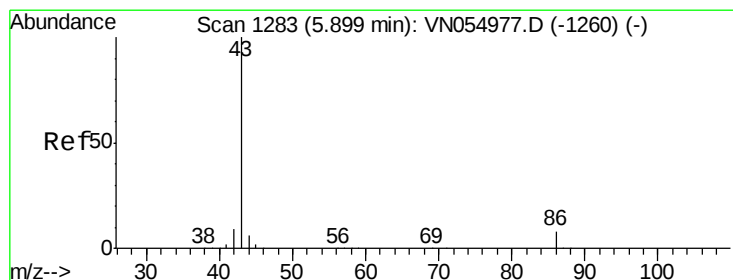
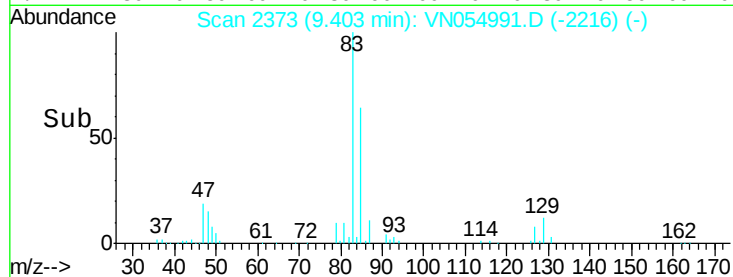
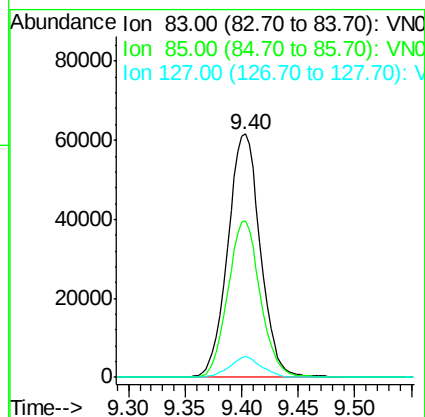
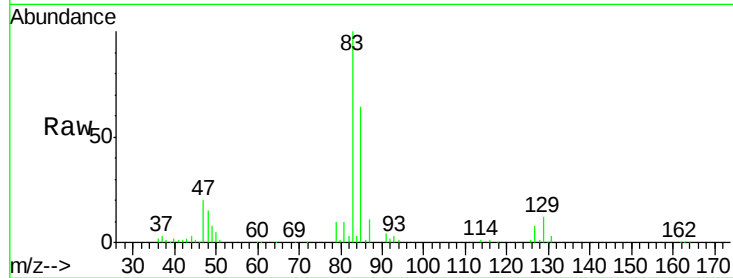
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	123614
Ion Ratio	Lower	Upper	
83	100		
85	64.1	52.0	78.0
127	8.4	7.2	10.8

Manual Integrations
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MMDadoda
4/17/2019 9:35:33 AM



#42

Vinyl Acetate

Concen: 103.174 ug/l

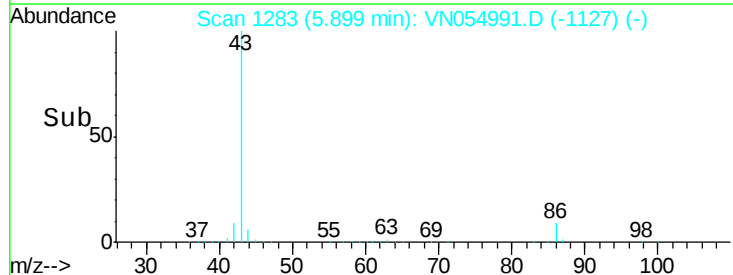
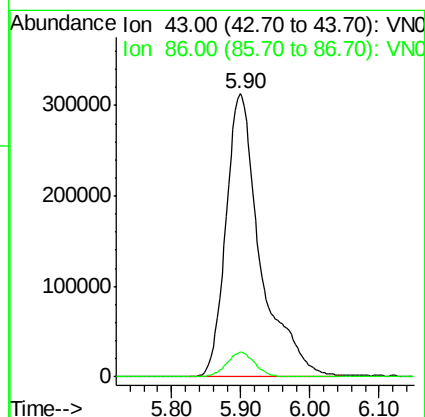
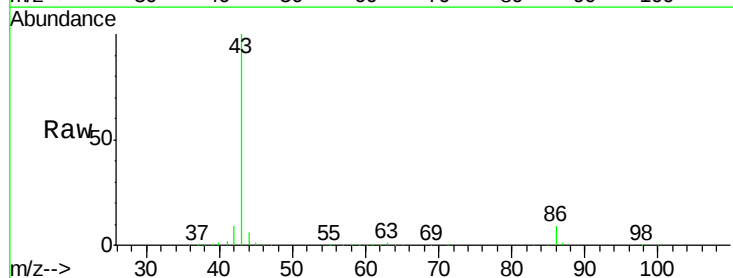
RT: 5.90 min Scan# 1283

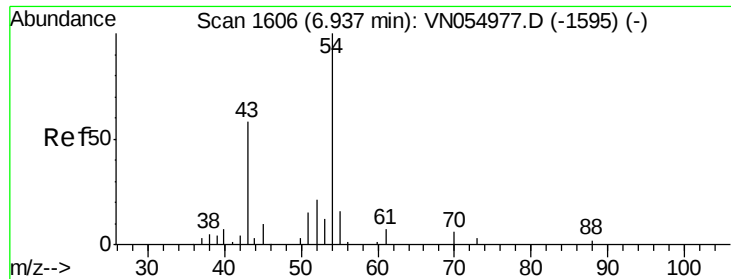
Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Tgt Ion:	43	Resp:	1084911
Ion Ratio	Lower	Upper	
43	100		
86	7.2	5.7	8.5





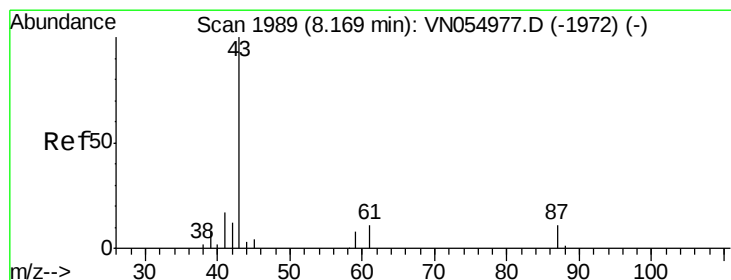
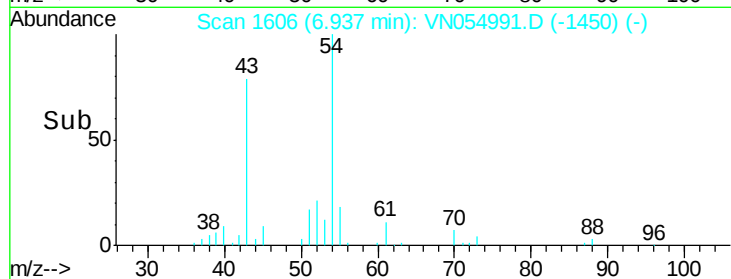
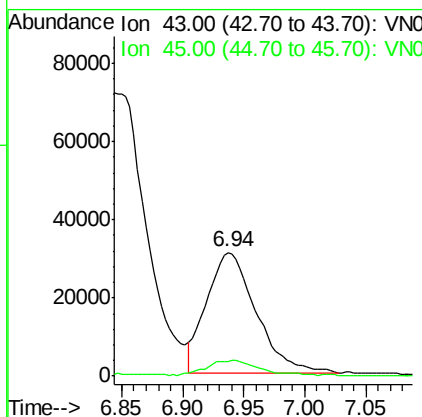
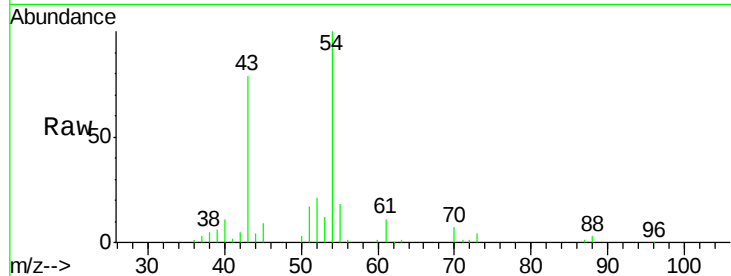
#43
Ethyl Acetate
Concen: 20.487 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 86812
Ion Ratio Lower Upper
43 100
45 5.0 10.6 15.8#

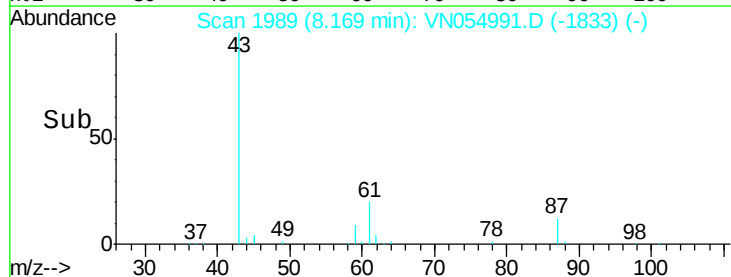
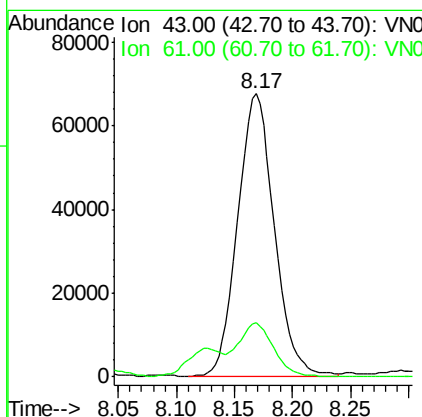
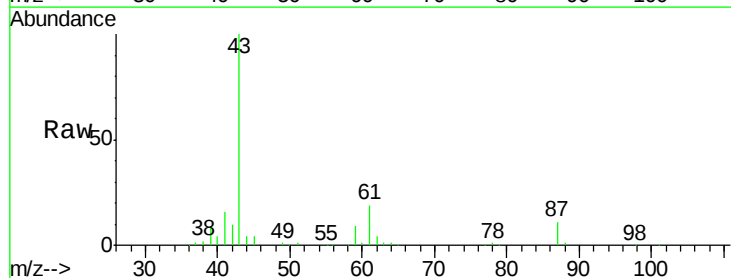
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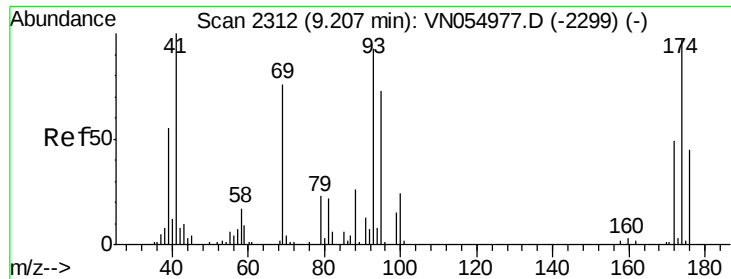
MMDadoda
4/17/2019 9:35:33 AM



#44
Isopropyl Acetate
Concen: 20.586 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 43 Resp: 147827
Ion Ratio Lower Upper
43 100
61 18.6 14.8 22.2





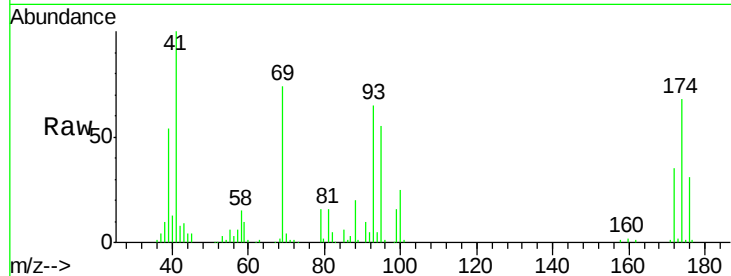
#45
 1,4-Dioxane
 Concen: 416.605 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	88	Resp	16574
Ion	Ratio	Lower	Upper
88	100		
43	42.2	34.5	51.7
58	82.1	60.3	90.5

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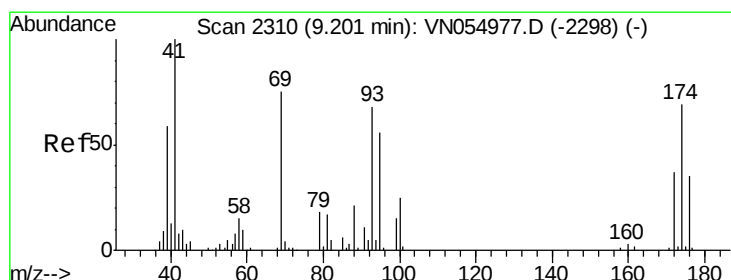
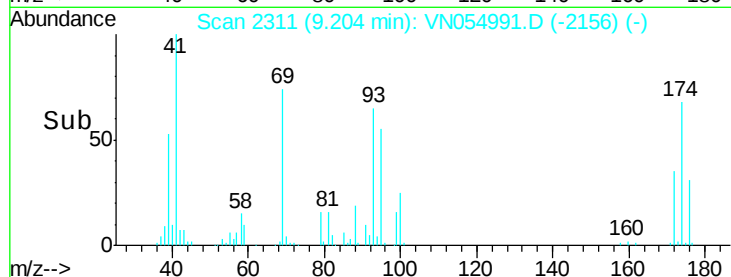
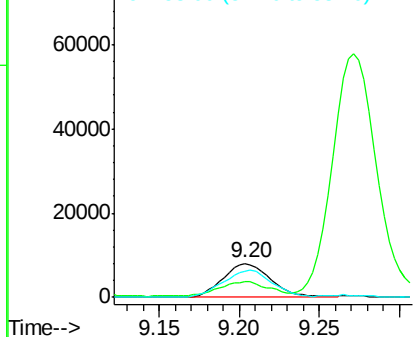


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 21.323 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

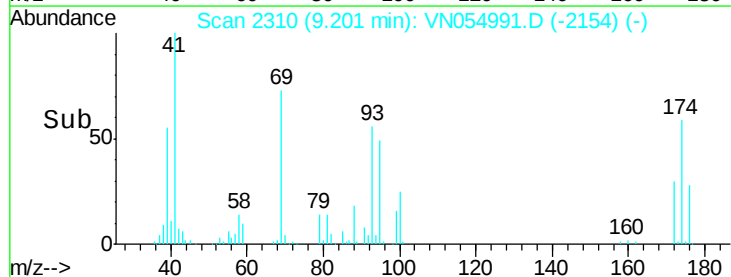
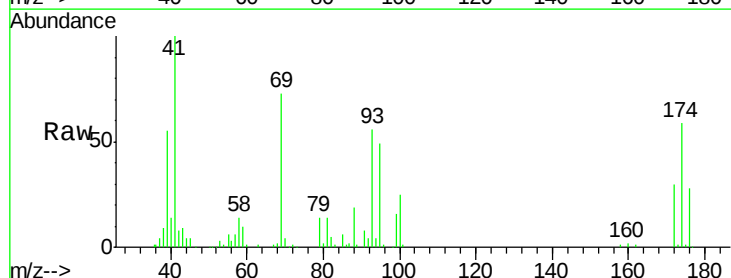
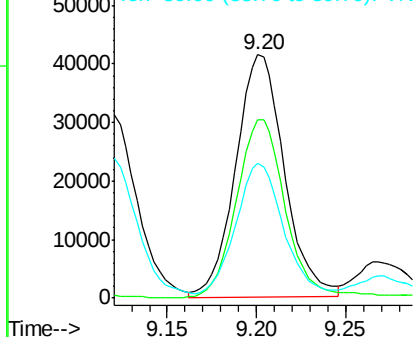
Tgt Ion	41	Resp	79211
Ion	Ratio	Lower	Upper
41	100		
69	74.7	37.3	111.9
39	54.3	29.4	88.2

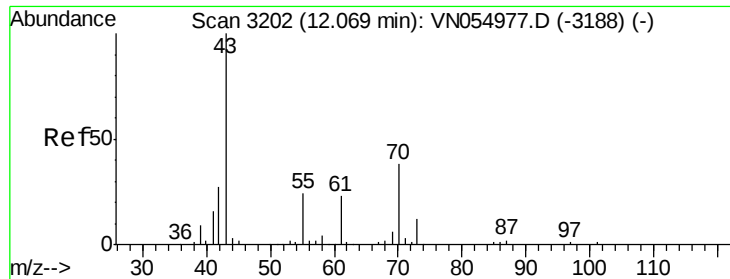
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 19.219 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 101652

Ion Ratio Lower Upper

43 100

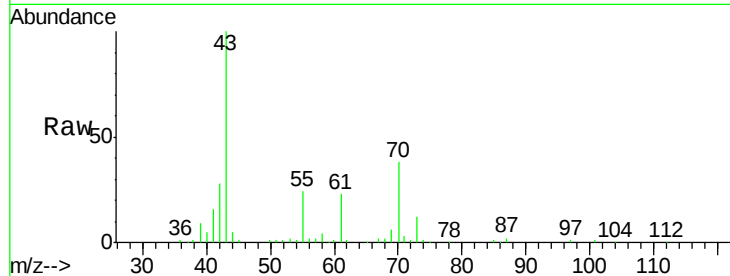
55 25.4 19.8 29.6

Manual Integrations

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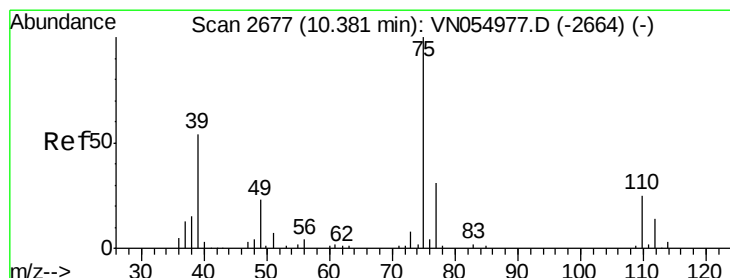
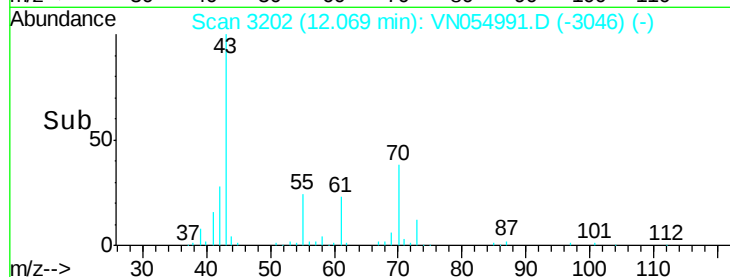
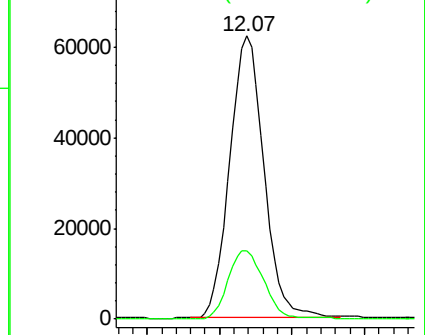
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.512 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054991.D

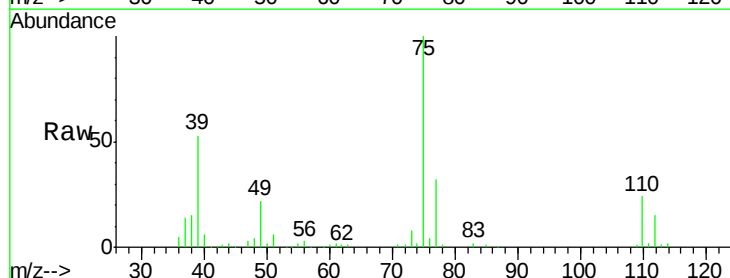
Acq: 12 Apr 2019 10:44

Tgt Ion: 75 Resp: 107172

Ion Ratio Lower Upper

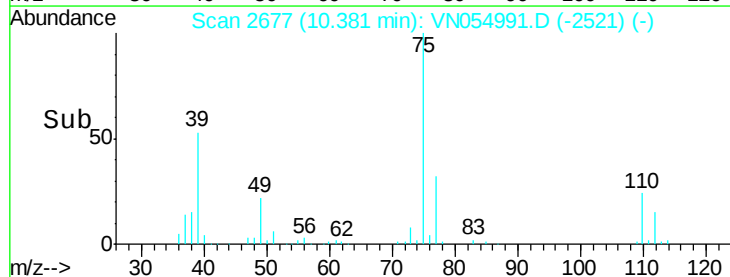
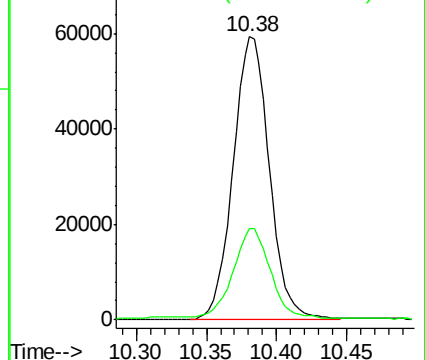
75 100

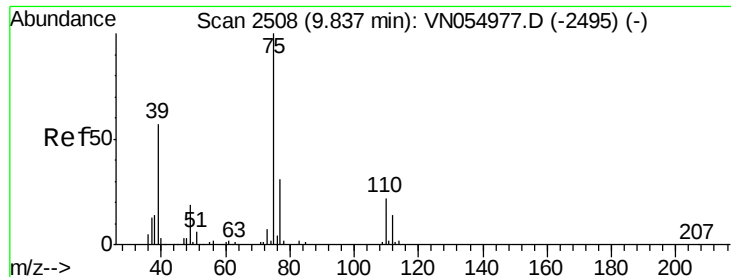
77 31.5 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





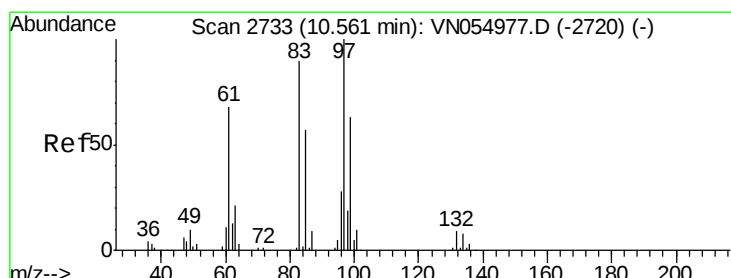
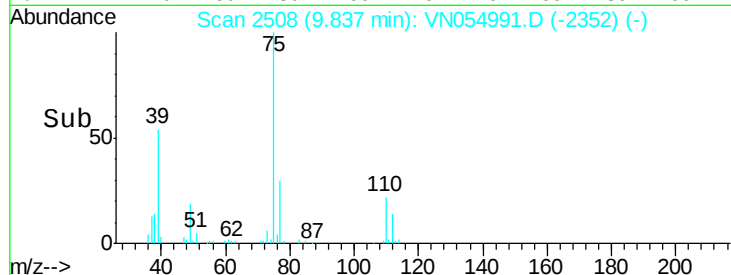
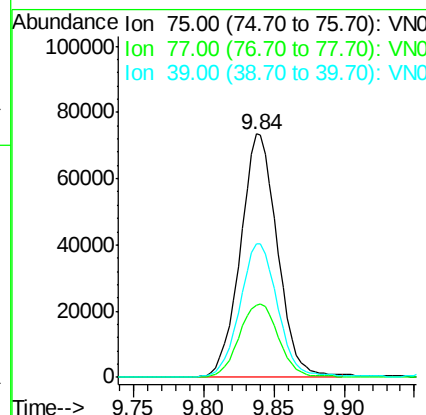
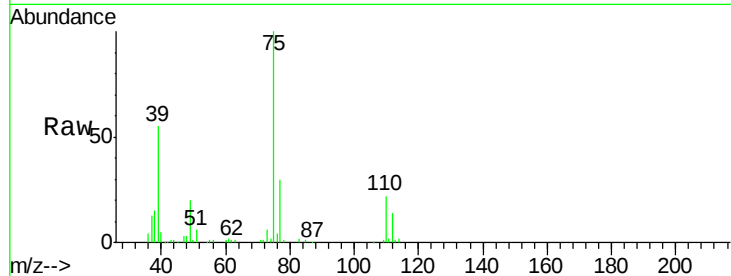
#49
 cis-1,3-Dichloropropene
 Concen: 19.960 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	75	Resp:	135342
Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.7	37.1
39	54.5	45.3	67.9

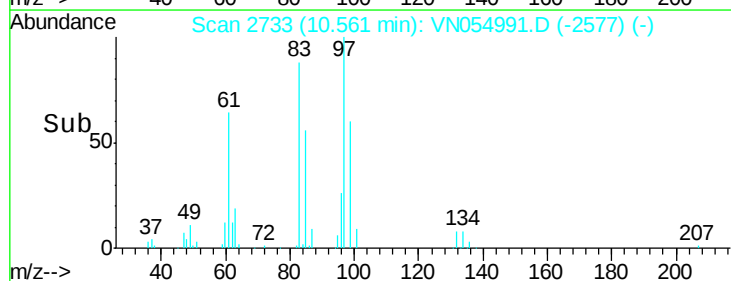
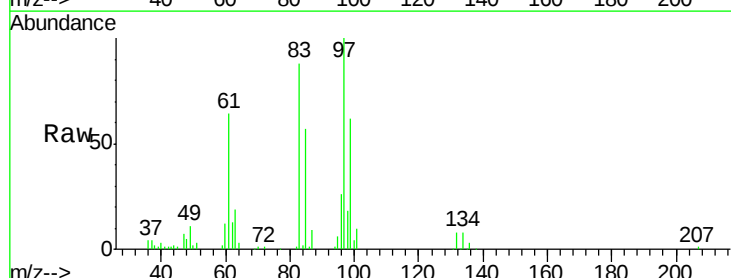
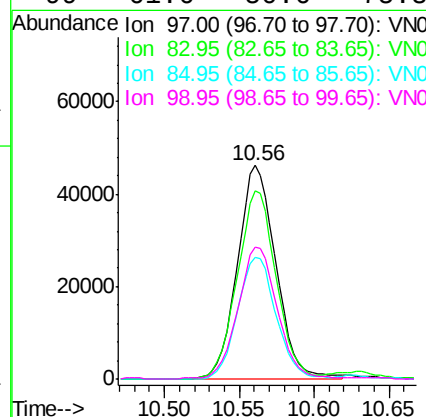
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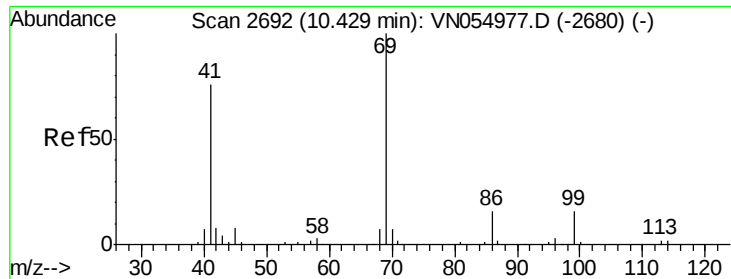
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 4/17/2019 9:35:33 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.975 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion:	97	Resp:	82562
Ion	Ratio	Lower	Upper
97	100		
83	87.9	72.1	108.1
85	57.0	45.4	68.0
99	61.6	50.6	75.8





#51

Ethyl methacrylate

Concen: 19.477 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

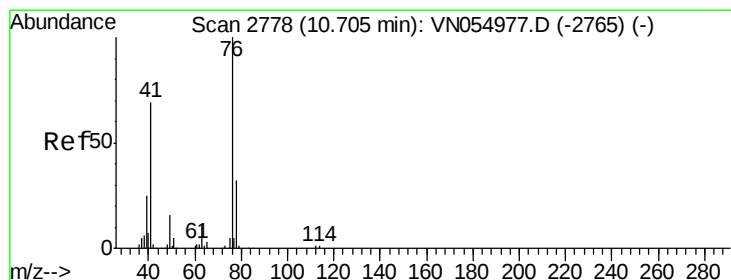
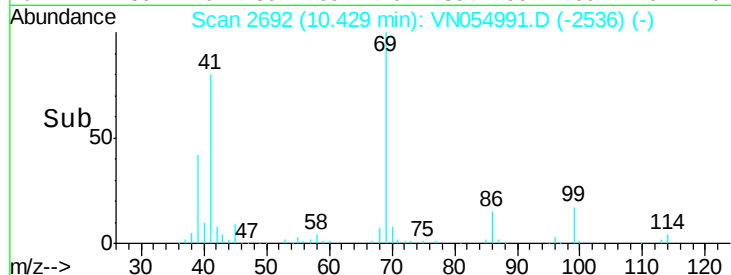
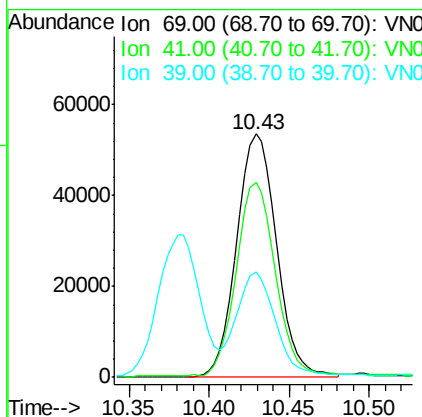
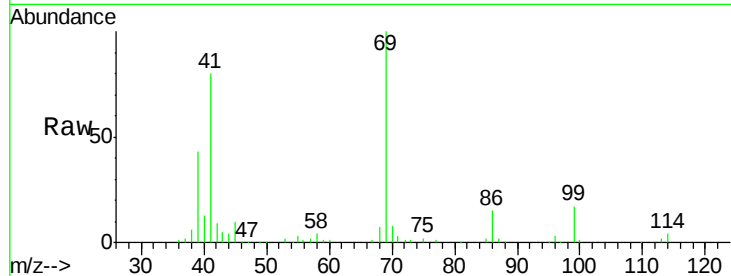
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	91392
Ion	Ratio	Lower	Upper
69	100		
41	79.5	37.9	113.7
39	42.2	19.8	59.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.865 ug/l

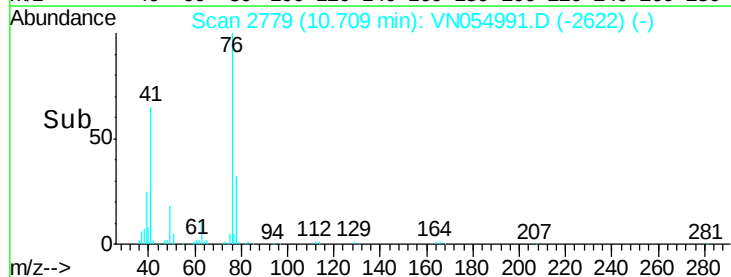
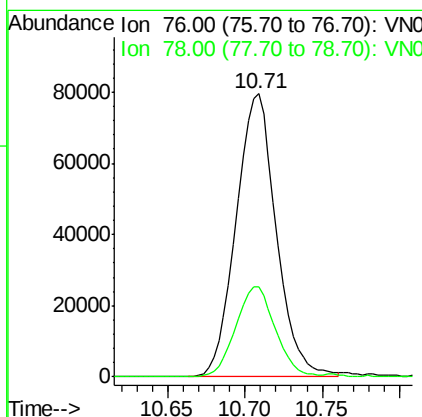
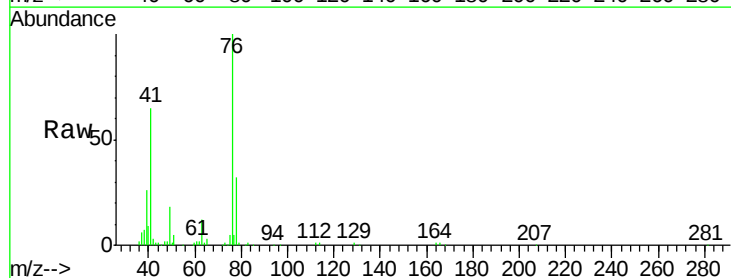
RT: 10.71 min Scan# 2779

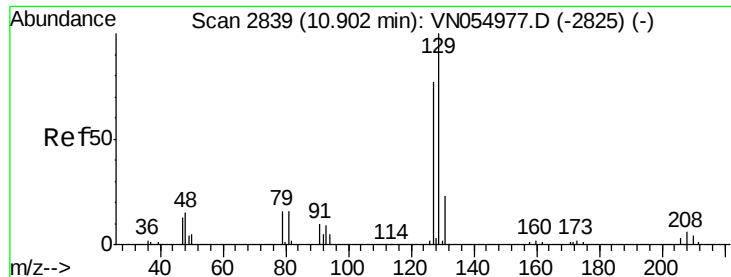
Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Tgt Ion:	76	Resp:	143917
Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	64.4





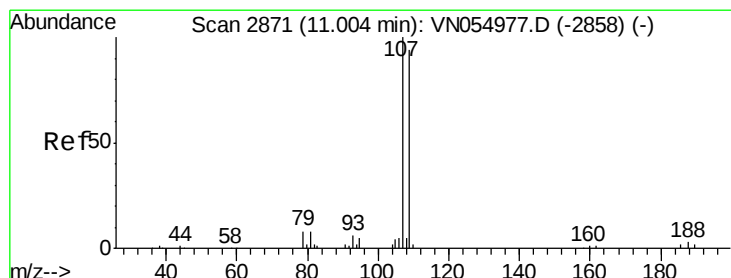
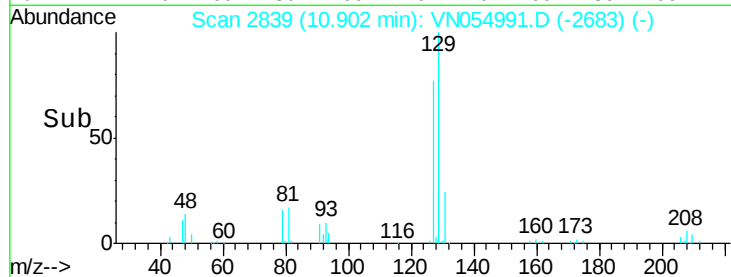
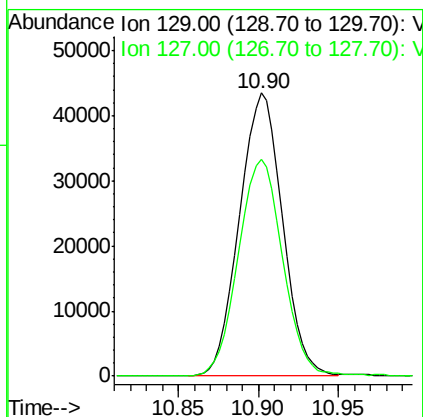
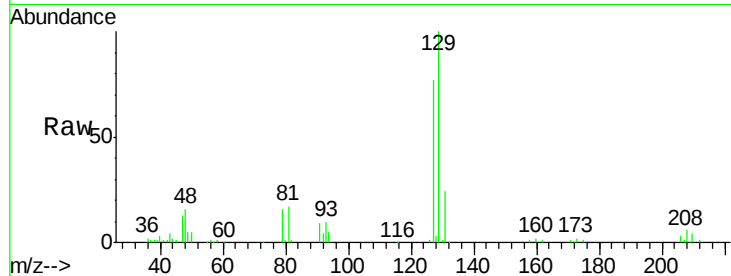
#53
 Dibromochloromethane
 Concen: 19.742 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.7	37.8	113.3	

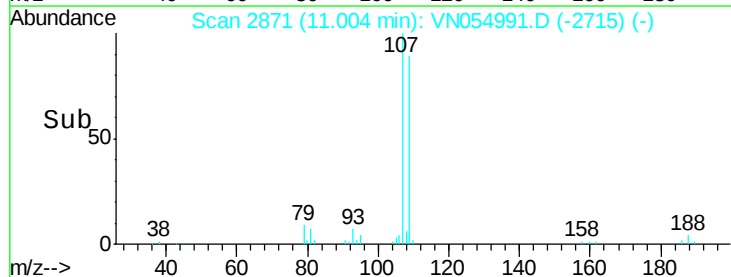
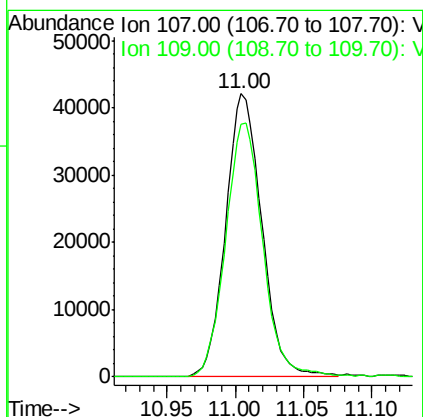
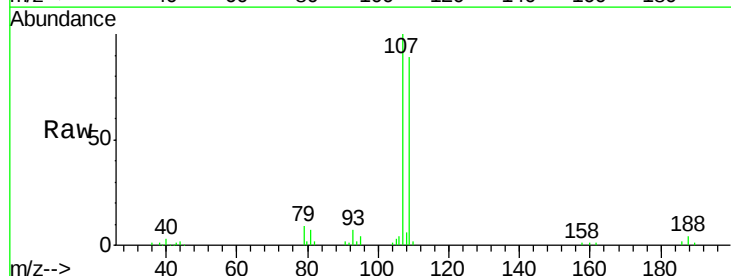
Manual Integrations
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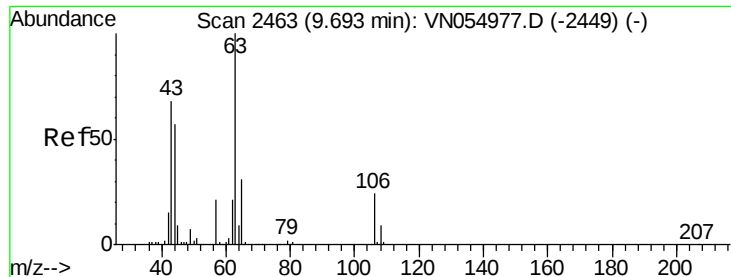
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#54
 1,2-Dibromoethane
 Concen: 21.012 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	92.0	76.2	114.2	





#55

2-Chloroethyl vinyl ether

Concen: 92.757 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

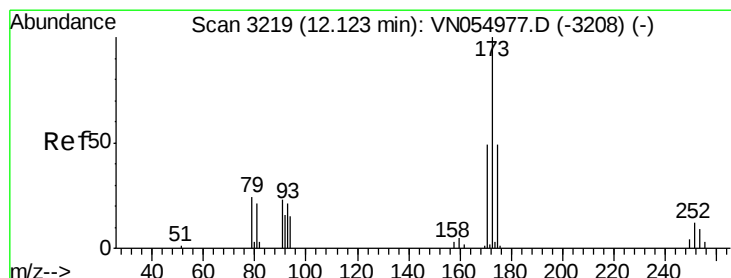
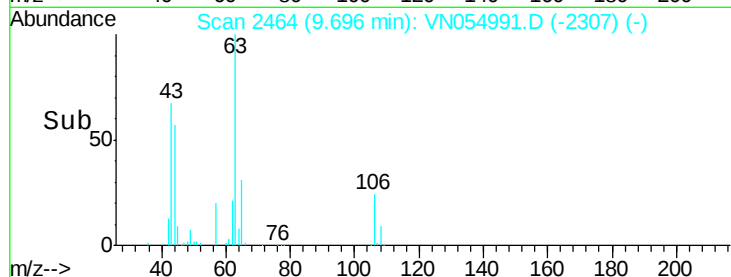
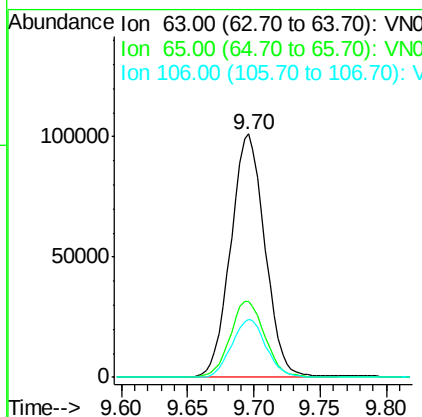
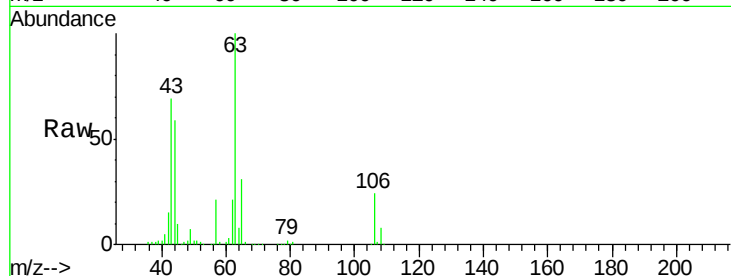
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	181957
Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.4	38.0
106	23.8	19.8	29.6

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#56

Bromoform

Concen: 19.077 ug/l

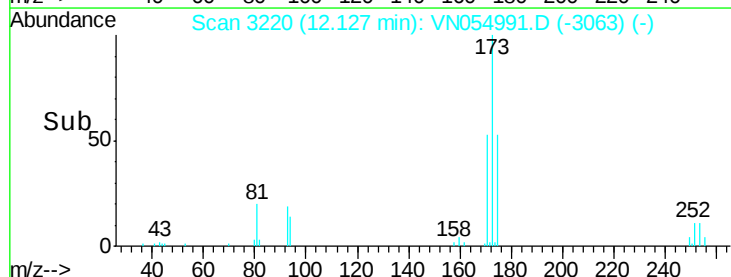
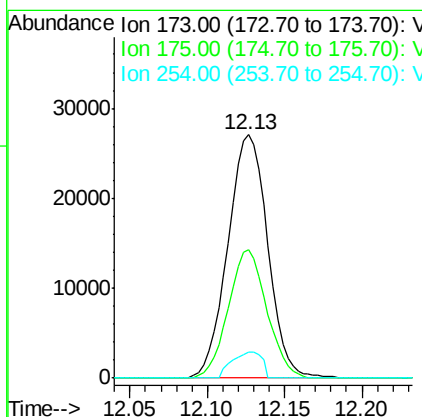
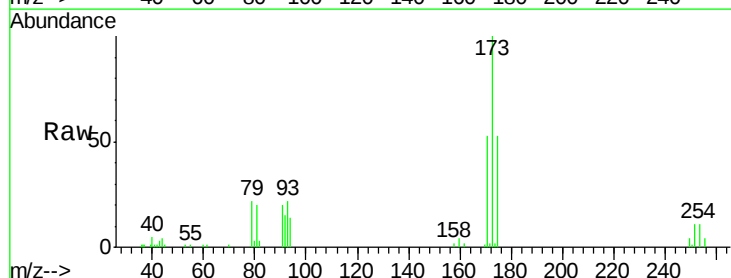
RT: 12.13 min Scan# 3220

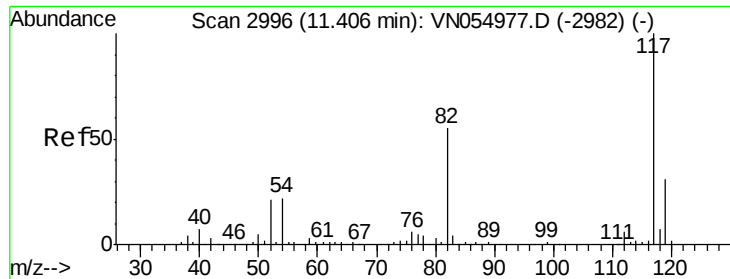
Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Tgt Ion:	173	Resp:	48603
Ion	Ratio	Lower	Upper
173	100		
175	50.4	38.6	57.8
254	8.0	6.8	10.2





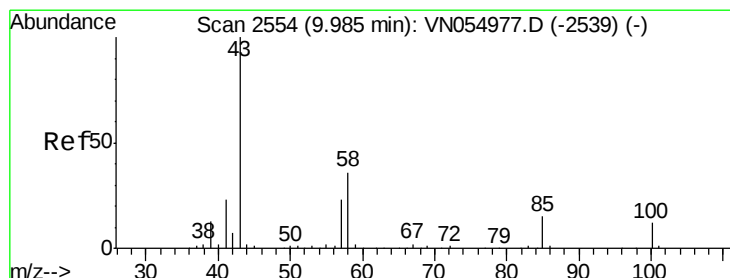
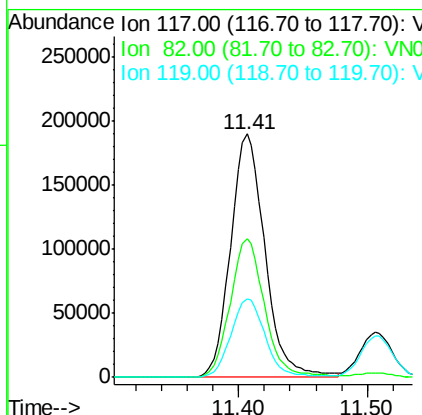
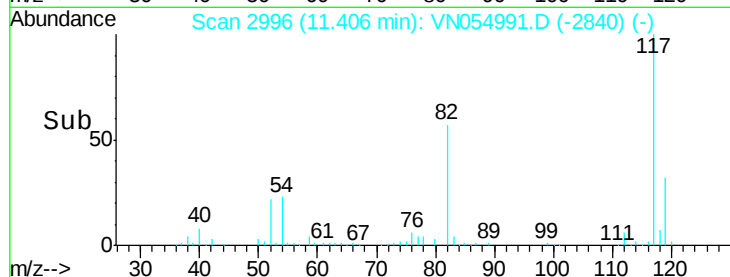
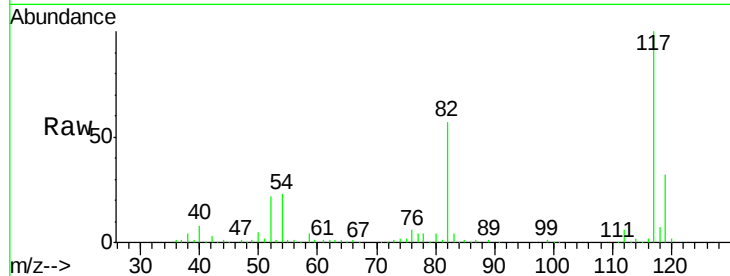
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.2	67.8
119	32.3	25.4	38.2

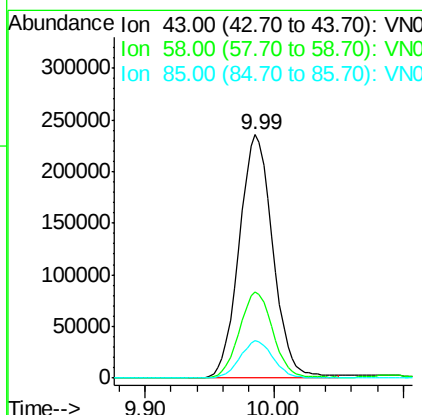
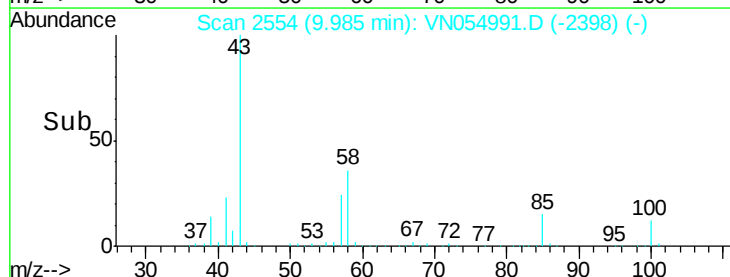
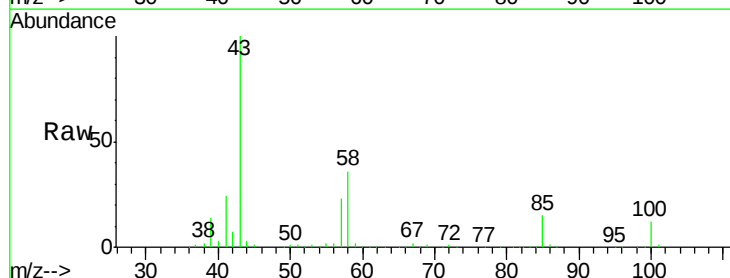
Manual Integrations
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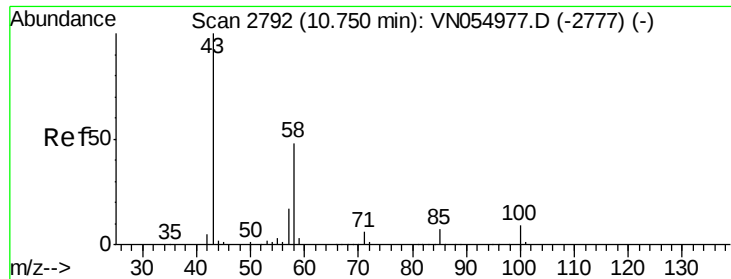
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 105.470 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.7	43.1
85	15.1	11.8	17.6





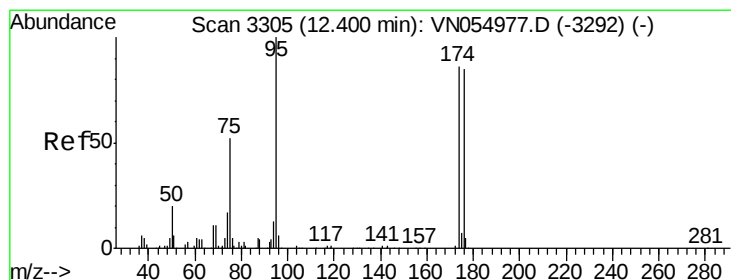
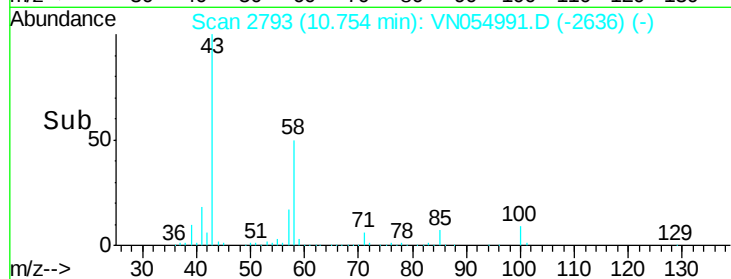
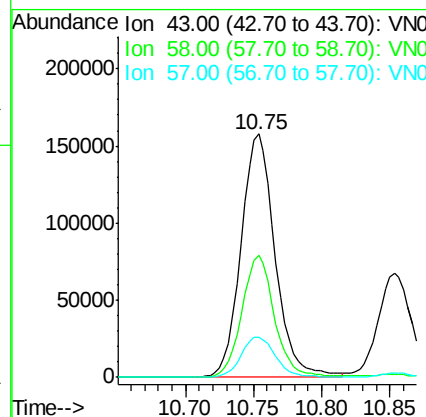
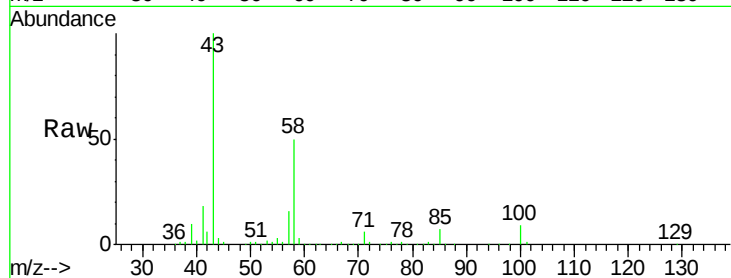
#59
2-Hexanone
Concen: 105.268 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.8	58.2
57	17.0	13.8	20.6

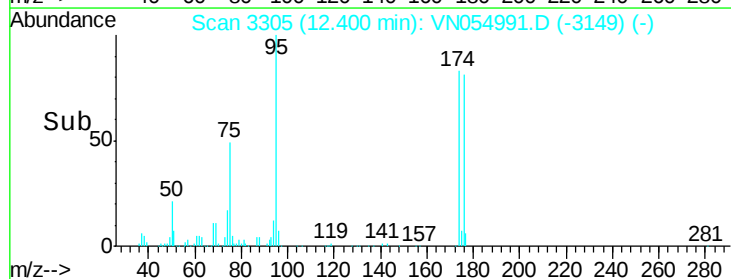
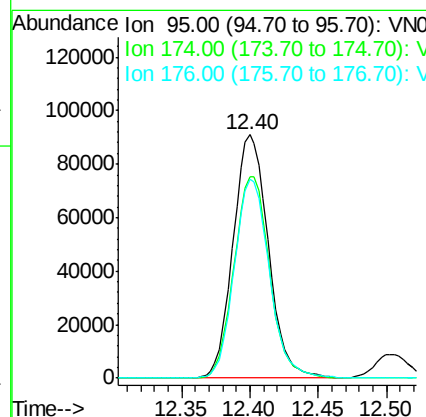
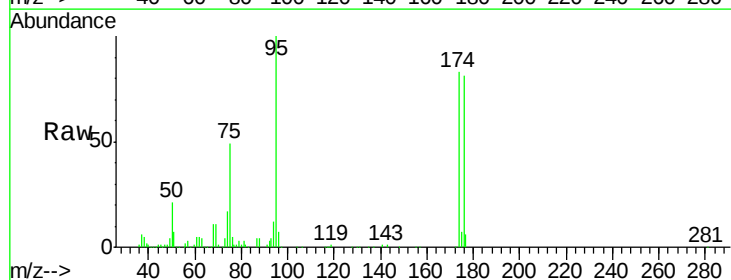
Manual Integrations
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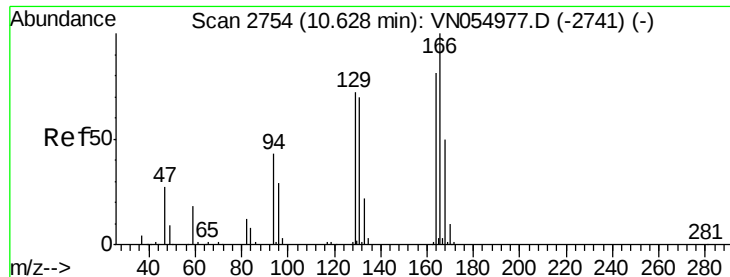
MMDadoda
4/17/2019 9:35:33 AM



#60
4-Bromofluorobenzene
Concen: 105.268 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	69.4	104.2
176	81.5	67.4	101.2





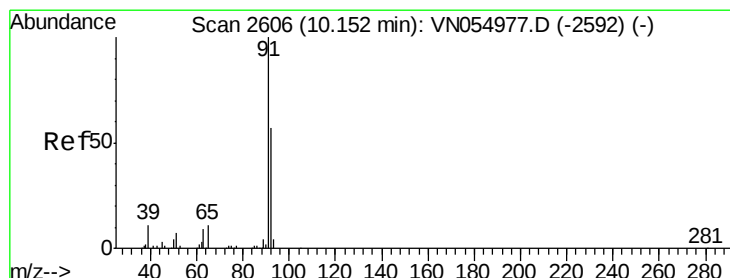
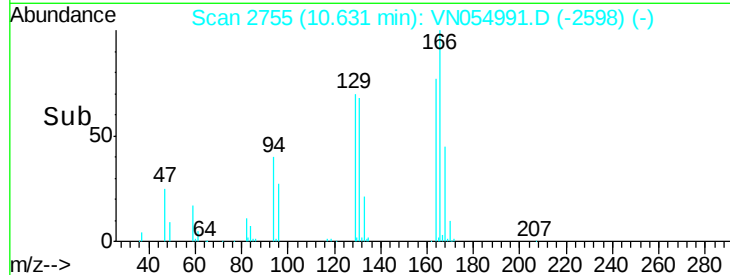
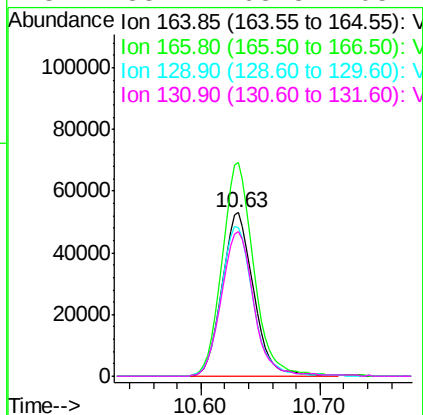
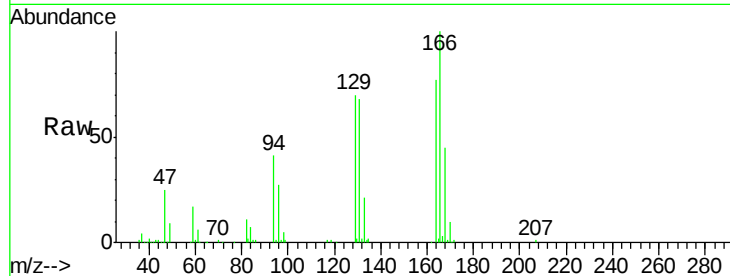
#61
Tetrachloroethene
Concen: 21.330 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.6	99.0	148.4
129	90.5	71.4	107.0
131	88.7	68.8	103.2

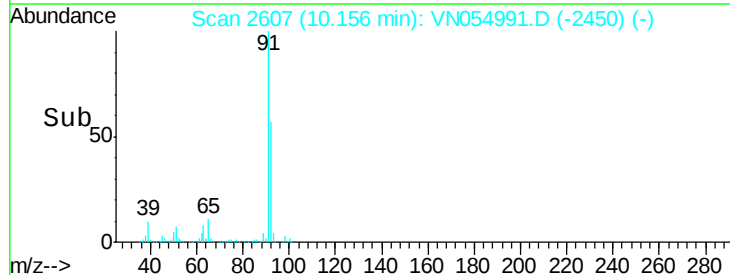
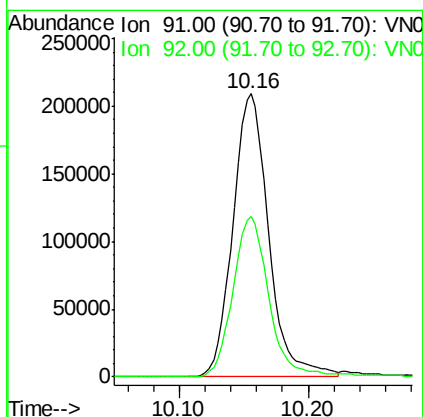
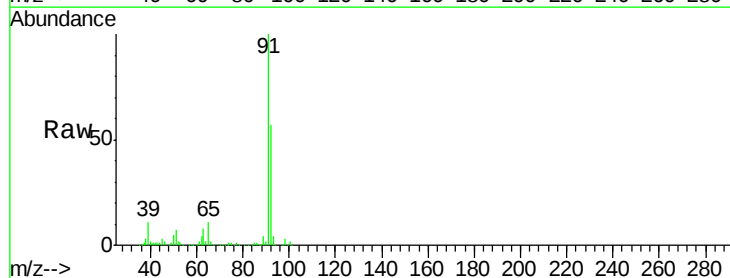
Manual Integrations
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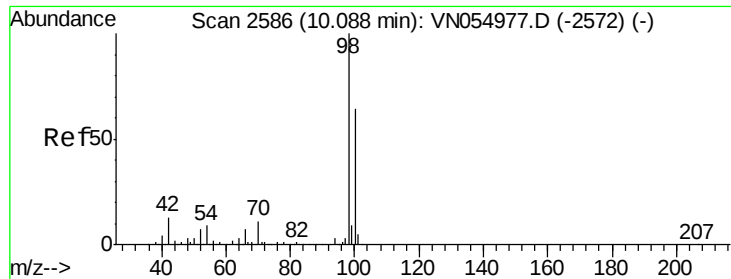
MMDadoda
4/17/2019 9:35:33 AM



#62
Toluene
Concen: 20.783 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.3	44.8	67.2





#63

Toluene-d8

Concen: 20.783 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 501601

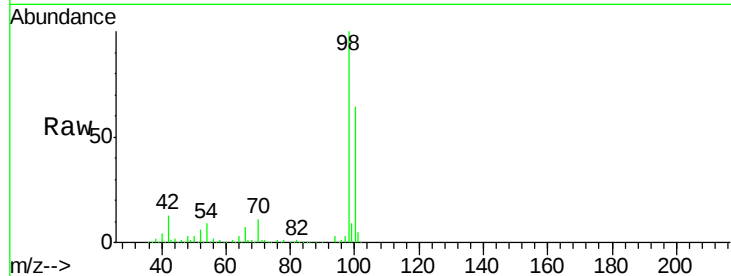
Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7

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Abundance Ion 98.00 (97.70 to 98.70): VN054977.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN054977.D (-2572) (-)

10.09

250000

200000

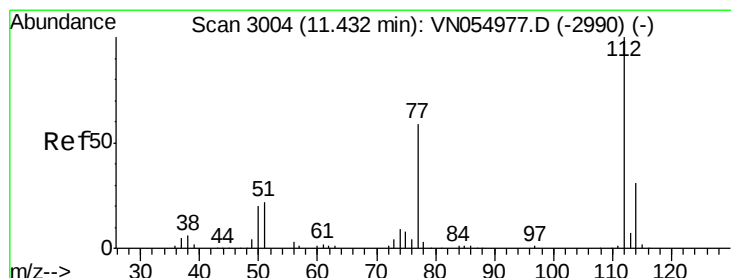
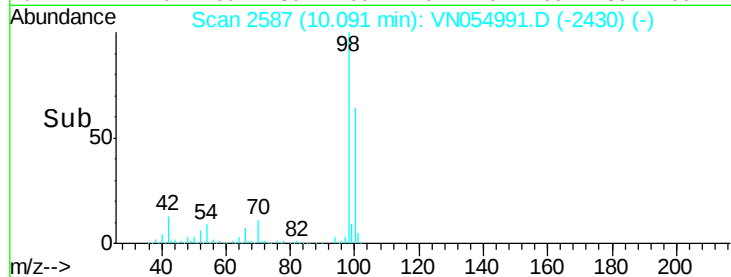
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 20.716 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054991.D

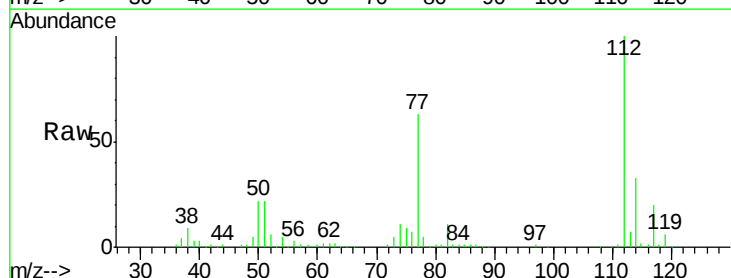
Acq: 12 Apr 2019 10:44

Tgt Ion: 112 Resp: 242352

Ion Ratio Lower Upper

112 100

114 32.9 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN054977.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN054977.D (-2990) (-)

11.43

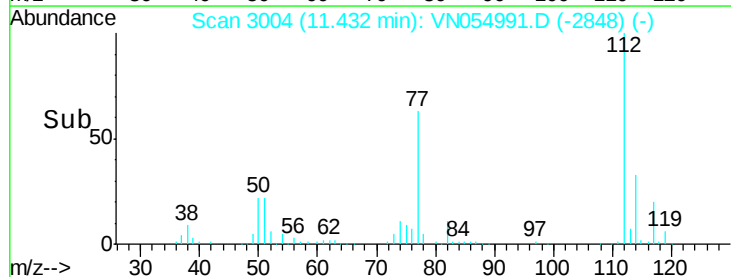
150000

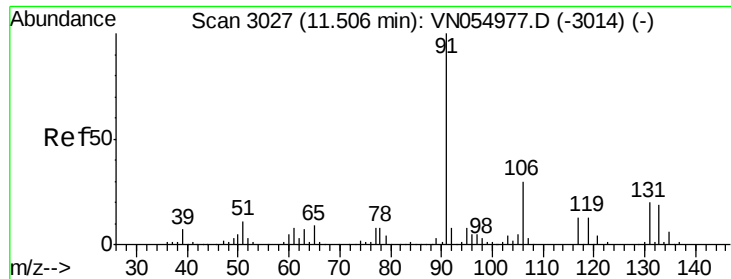
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.669 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

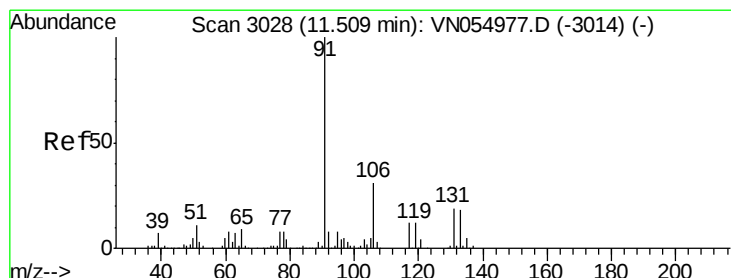
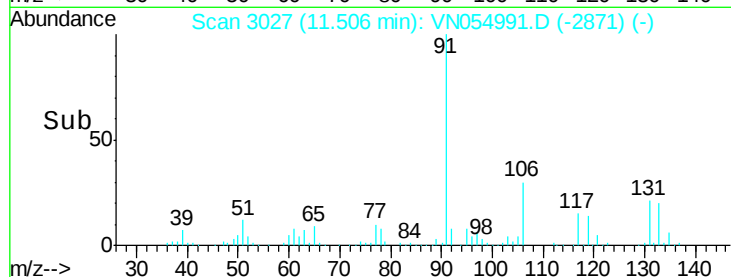
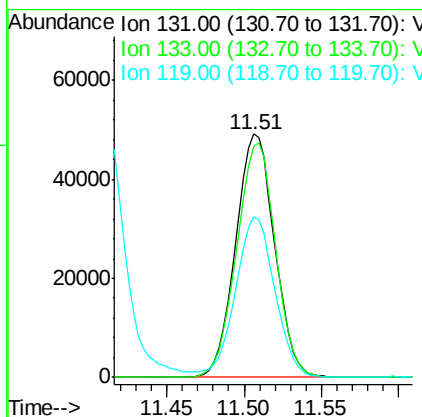
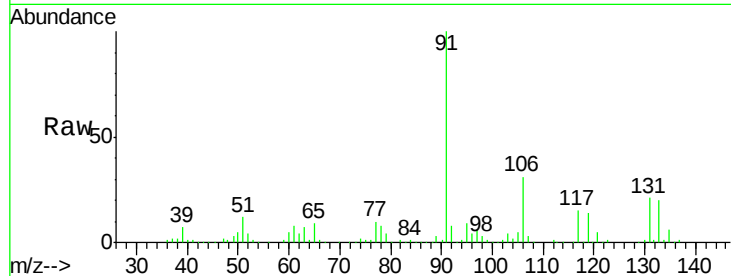
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	85997
Ion	Ratio	Lower	Upper
131	100		
133	96.5	0.0	187.8
119	66.8	0.0	131.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.802 ug/l

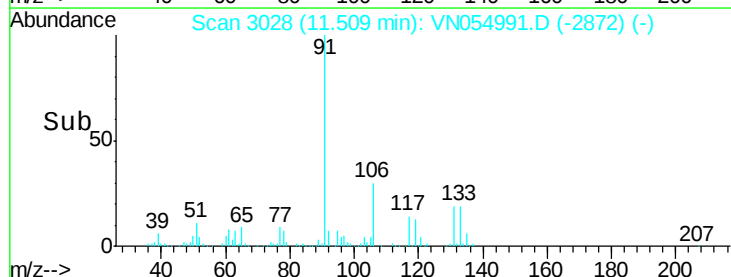
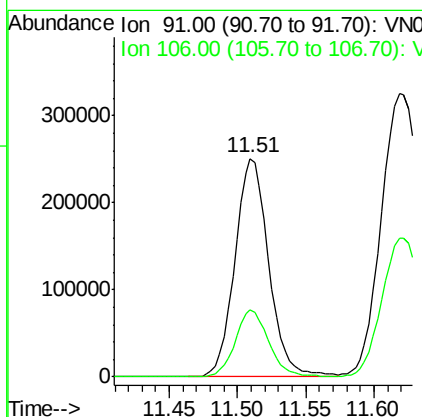
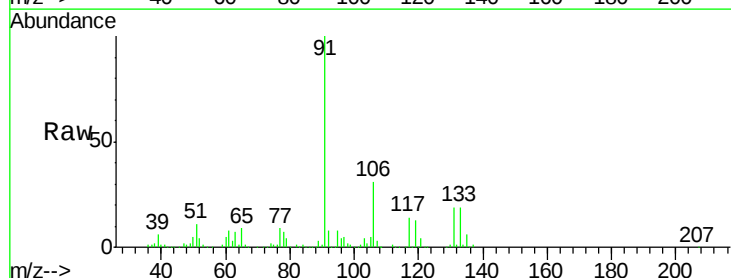
RT: 11.51 min Scan# 3028

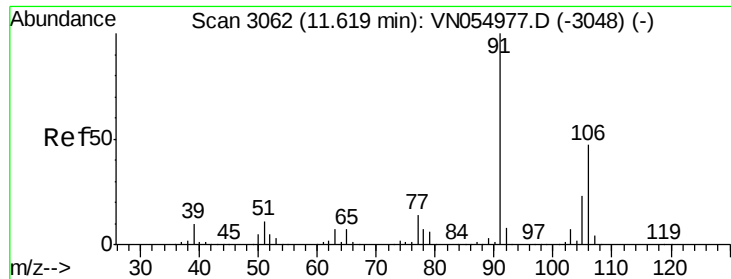
Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Tgt Ion:	91	Resp:	432107
Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.6	36.8





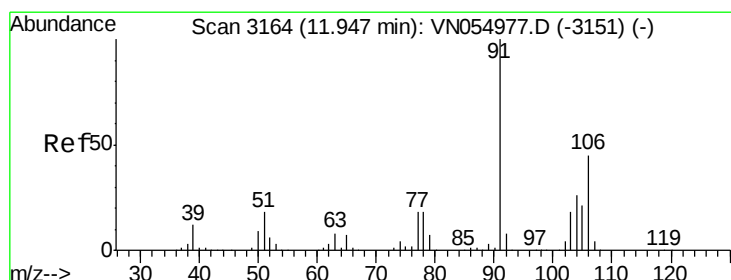
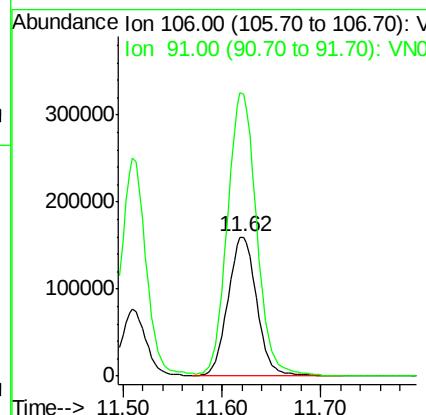
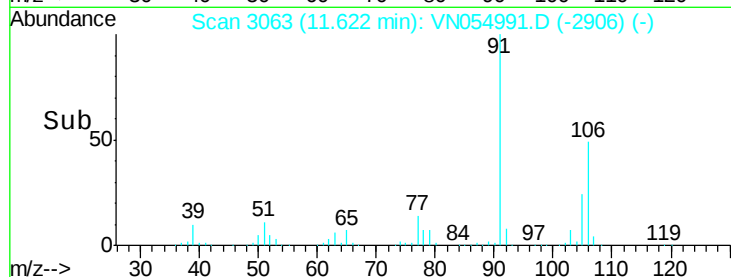
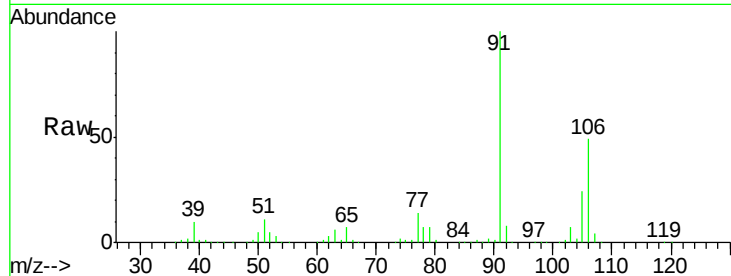
#67
m/p-Xylenes
Concen: 42.487 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 328054
Ion Ratio Lower Upper
106 100
91 205.7 167.4 251.2

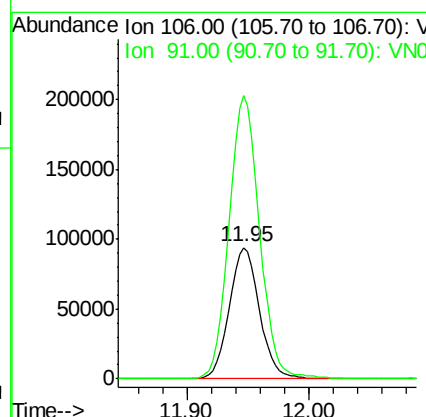
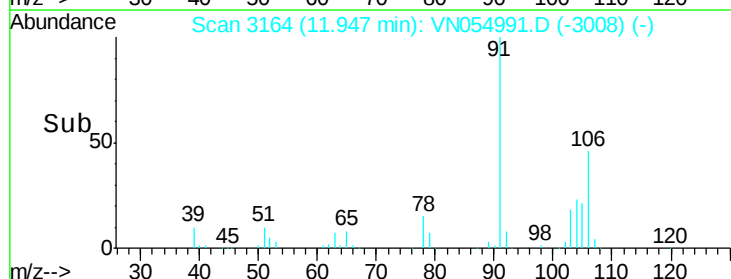
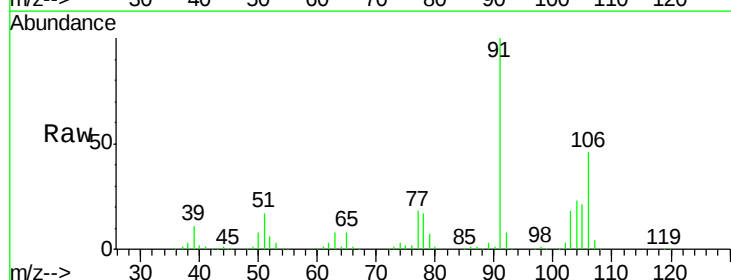
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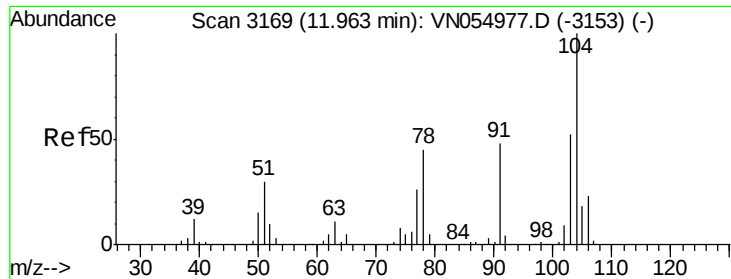
MMDadoda
4/17/2019 9:35:33 AM



#68
o-Xylene
Concen: 21.422 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion:106 Resp: 163463
Ion Ratio Lower Upper
106 100
91 216.8 110.3 330.8





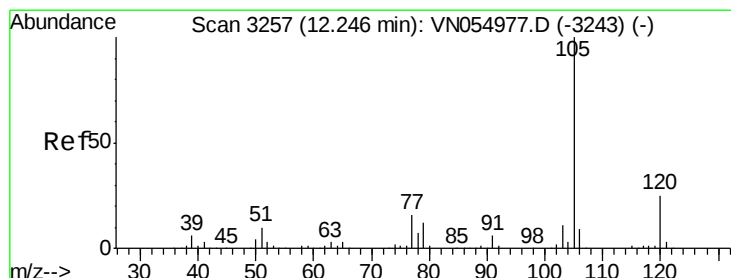
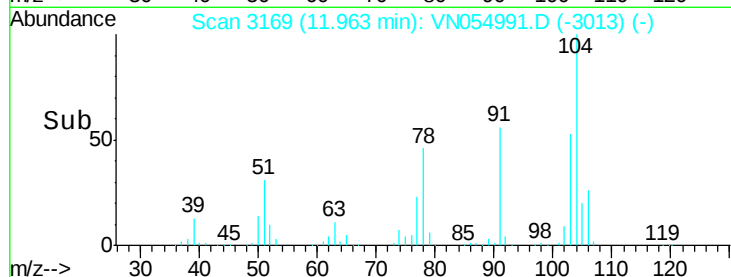
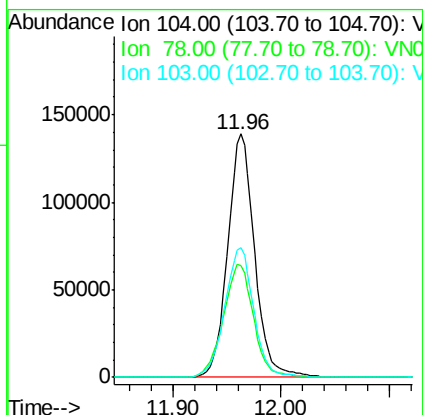
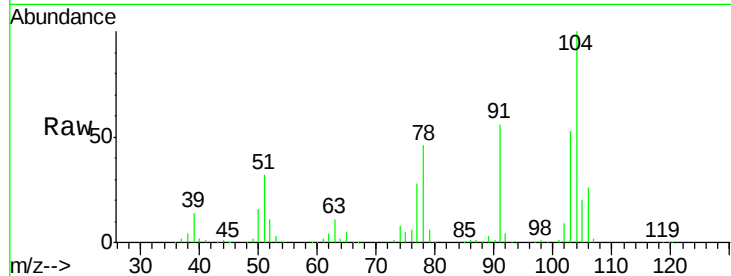
#69
Stvrene
Concen: 20.414 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.2	61.8
103	57.5	44.6	67.0

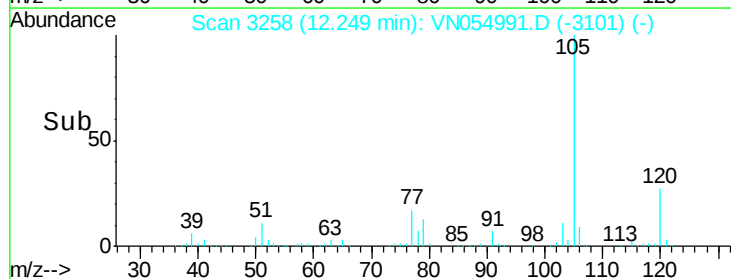
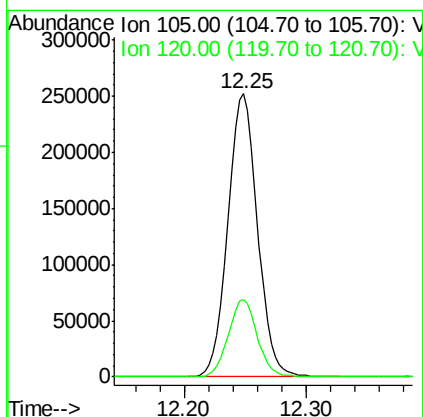
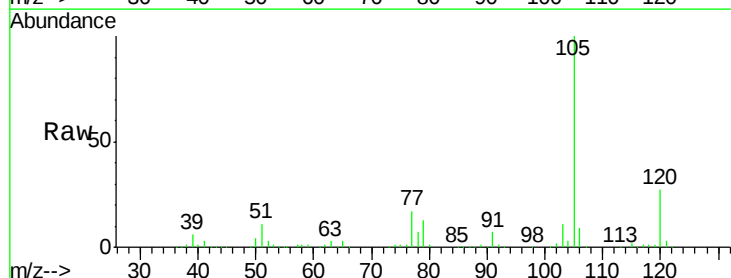
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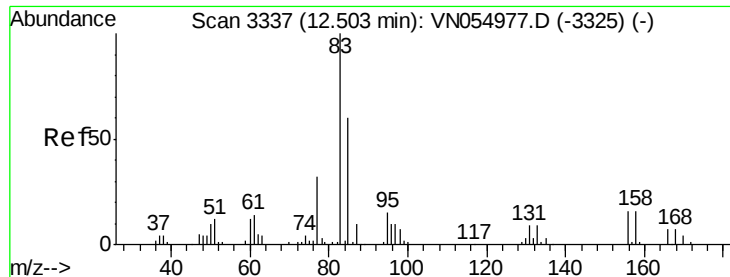
MMDadoda
4/17/2019 9:35:33 AM



#70
Isopropylbenzene
Concen: 20.941 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.3	33.9





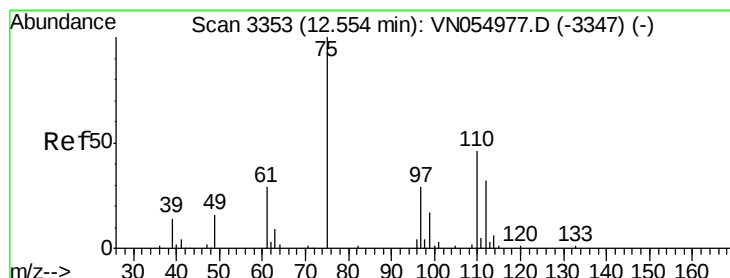
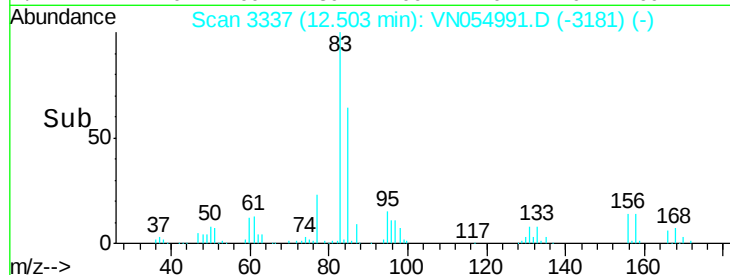
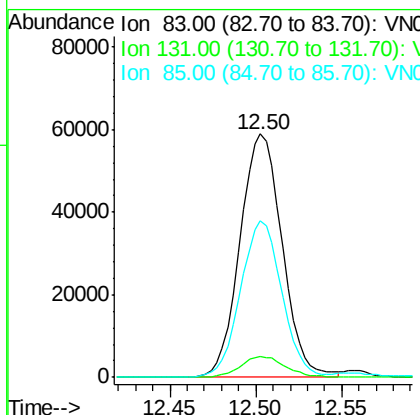
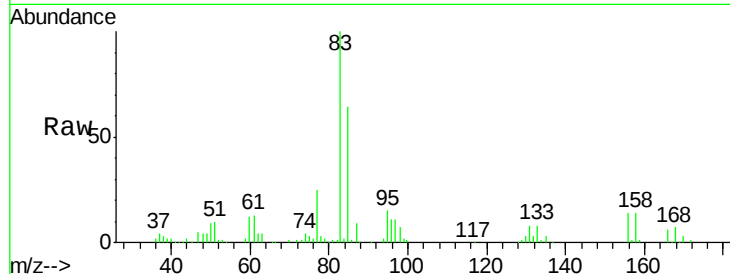
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.637 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	100964
Ion Ratio	100	Lower	Upper
83	100		
131	9.0	4.6	13.8
85	62.7	30.9	92.5

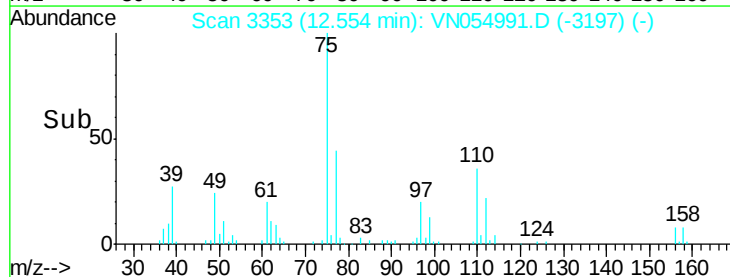
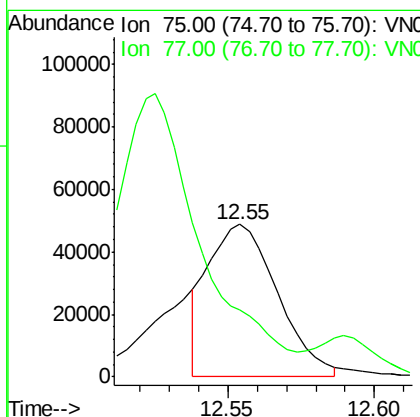
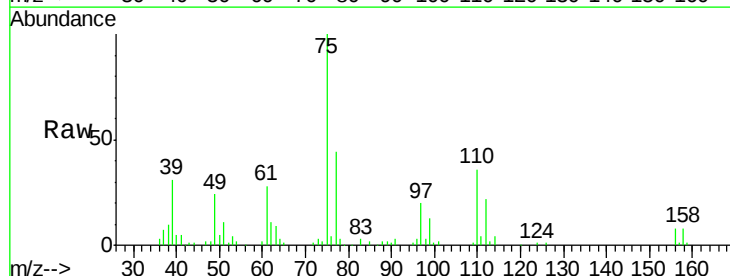
Manual Integrations
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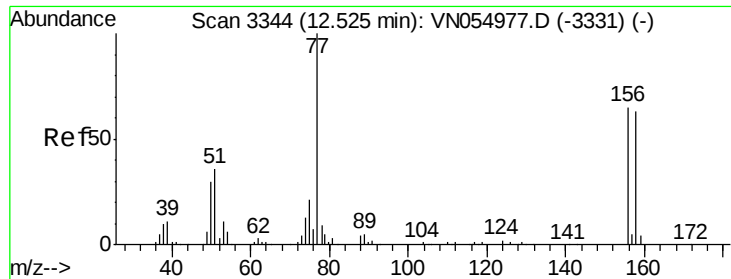
MMDadoda
 4/17/2019 9:35:33 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.712 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion	75	Resp	79814
Ion Ratio	100	Lower	Upper
75	100		
77	233.0	0.0	466.6





#73

Bromobenzene

Concen: 20.154 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

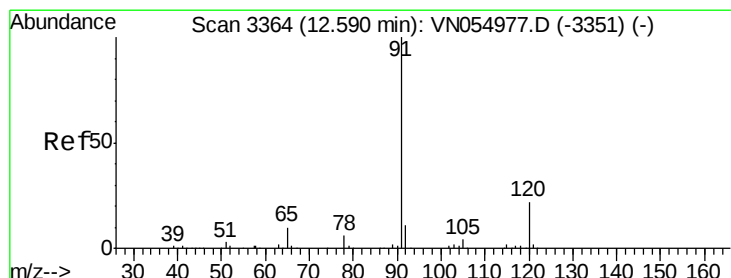
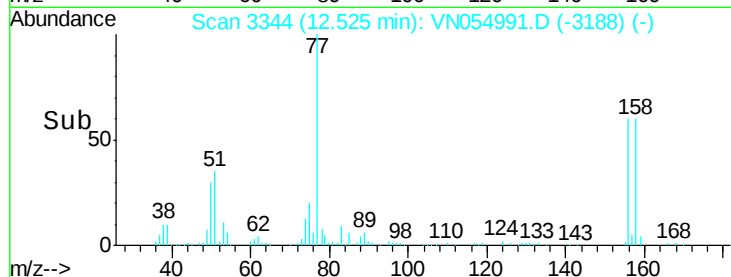
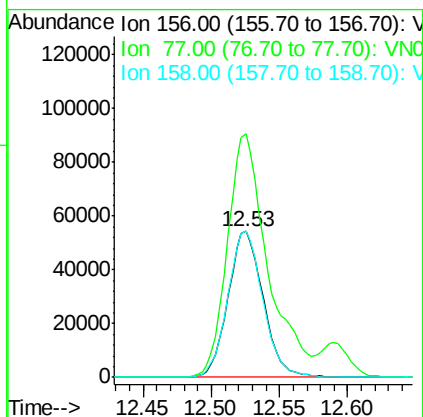
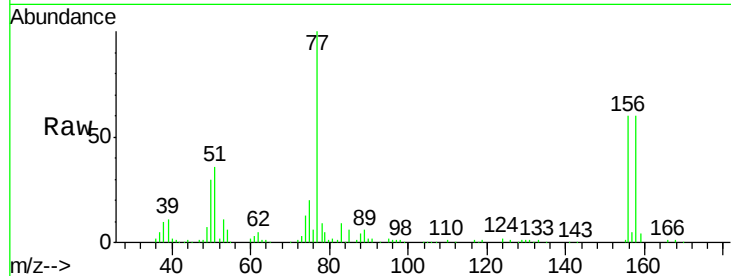
ClientSampleId :

VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	191.3	0.0	383.2		
158	99.9	0.0	193.8		

Manual Integrations
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4/17/2019 9:35:33 AM



#74

n-propylbenzene

Concen: 20.989 ug/l

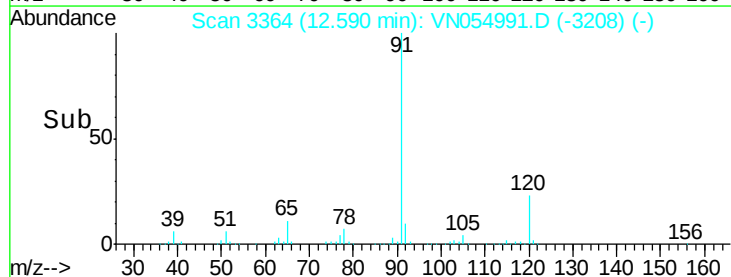
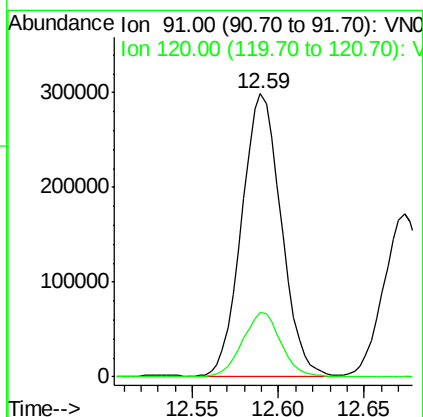
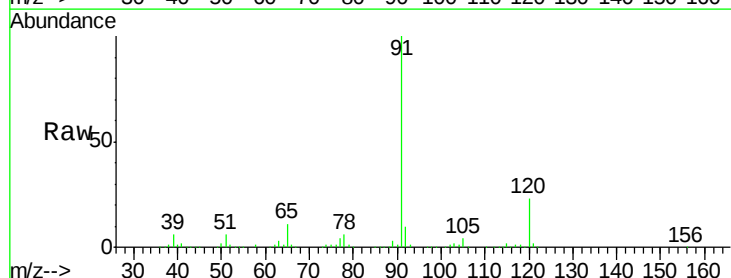
RT: 12.59 min Scan# 3364

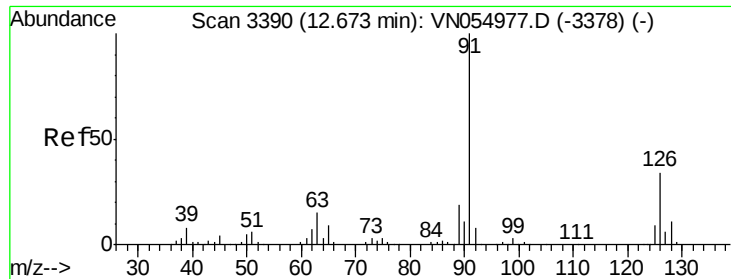
Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.2	0.0	44.4		





#75

2-Chlorotoluene

Concen: 21.329 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 293799

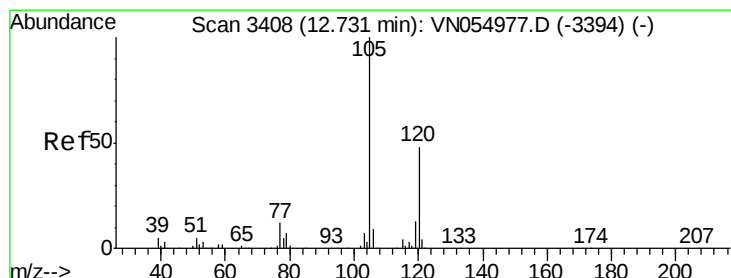
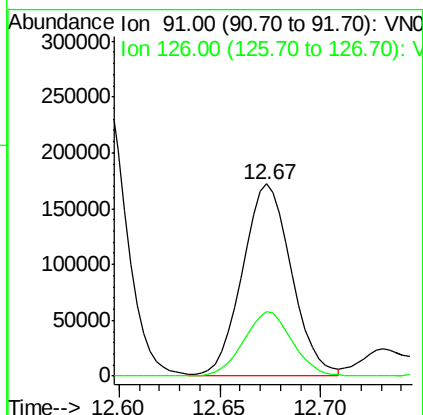
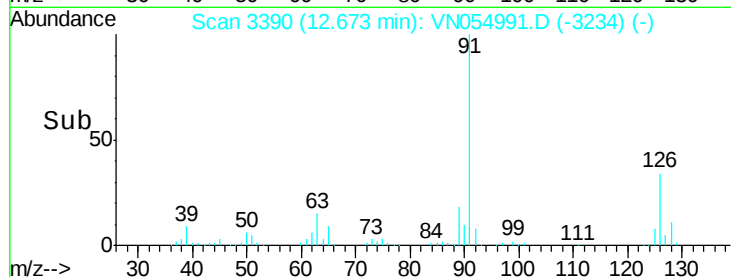
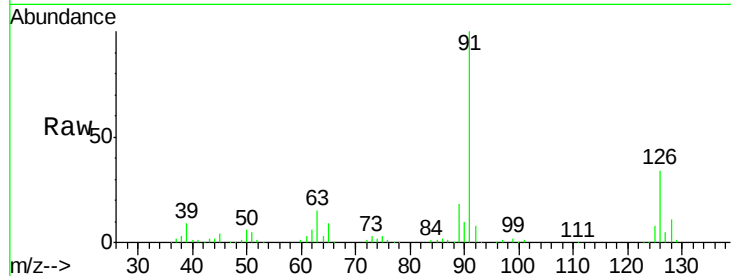
Ion Ratio Lower Upper

91 100

126 33.2 0.0 67.4

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#76

1,3,5-Trimethylbenzene

Concen: 21.109 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054991.D

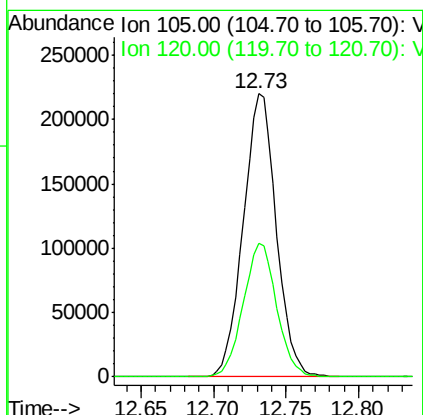
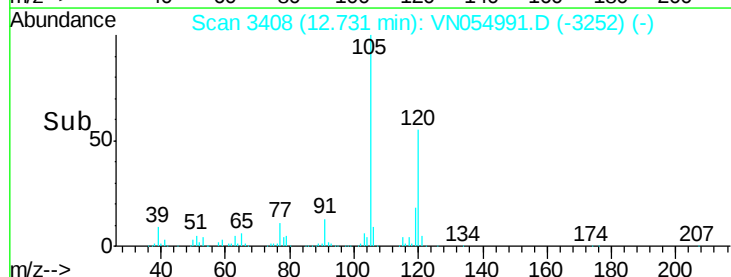
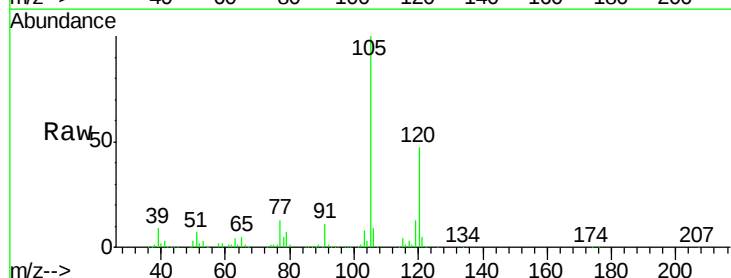
Acq: 12 Apr 2019 10:44

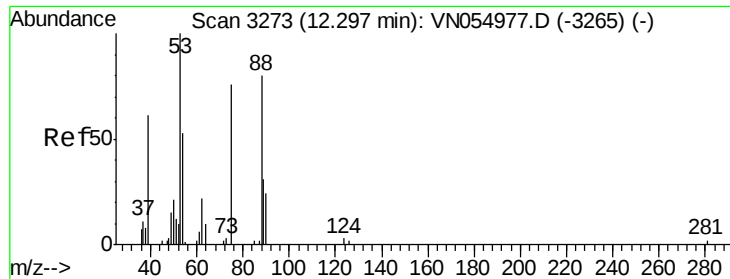
Tgt Ion: 105 Resp: 348175

Ion Ratio Lower Upper

105 100

120 47.8 0.0 94.8





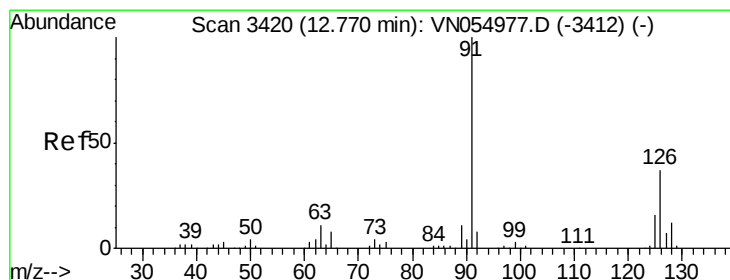
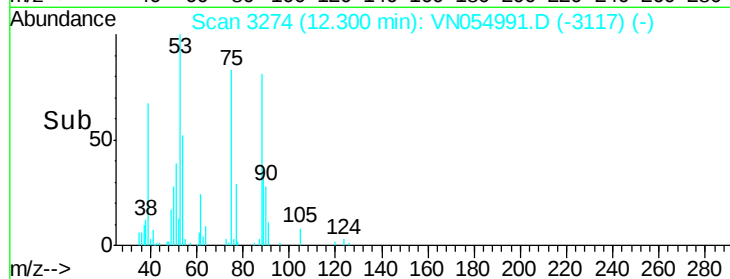
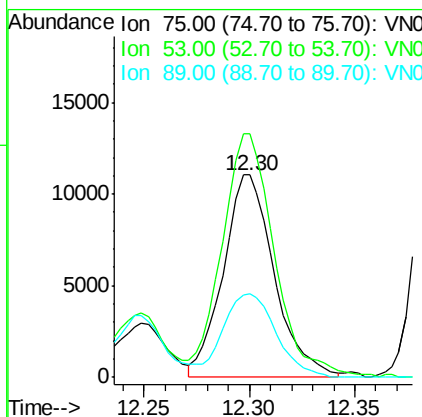
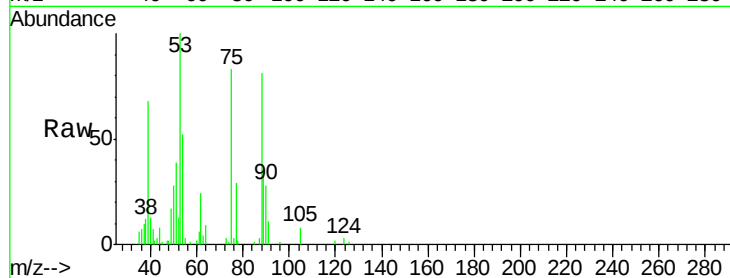
#77
t-1,4-Dichloro-2-butene
Concen: 19.092 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.0	64.3	192.7
89	42.2	21.6	65.0

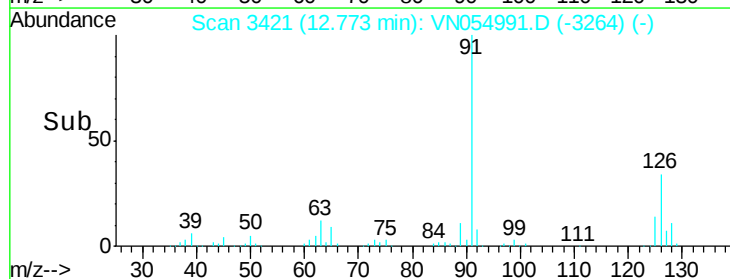
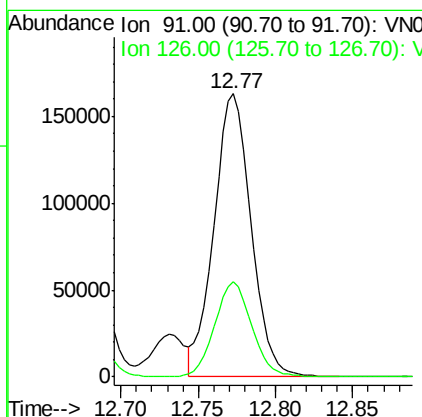
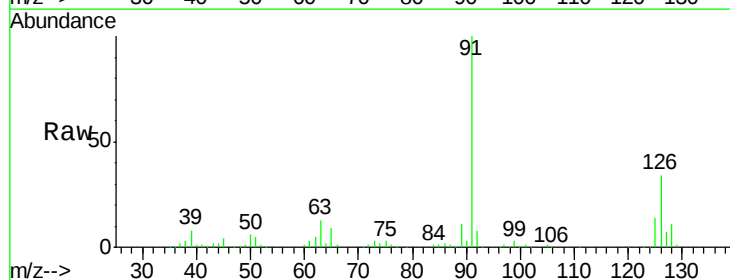
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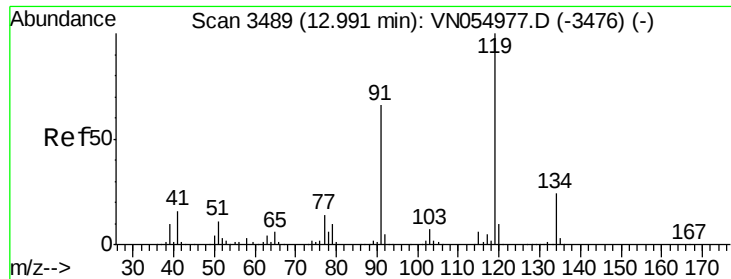
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#78
4-Chlorotoluene
Concen: 20.765 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	0.0	66.6





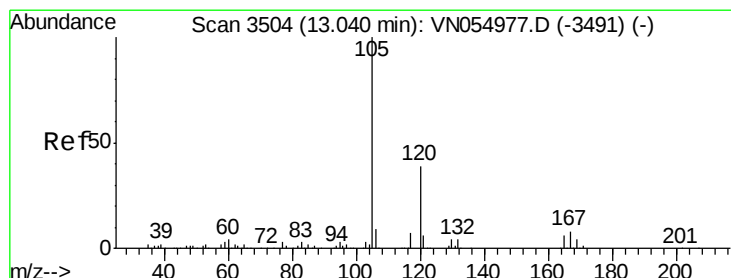
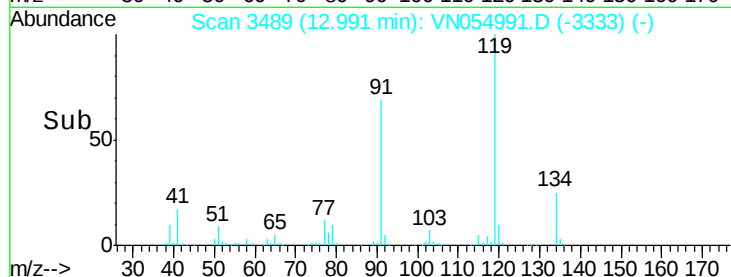
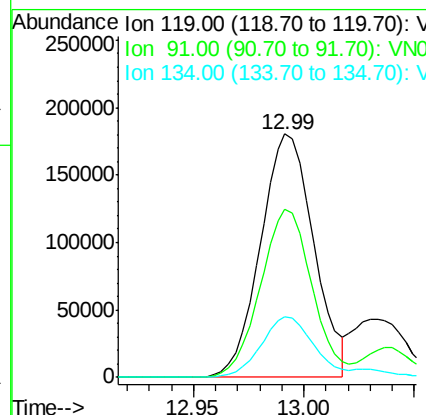
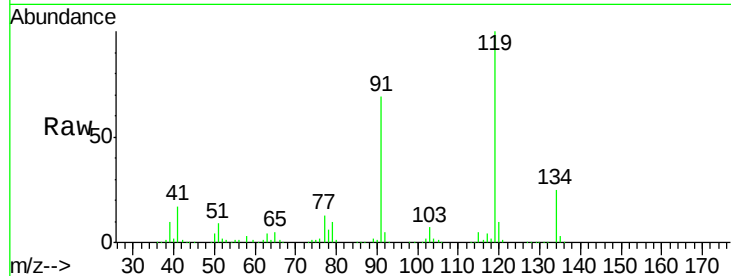
#79
tert-butylbenzene
Concen: 21.133 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301594		
91	66.9	0.0	132.6	
134	24.4	0.0	47.6	

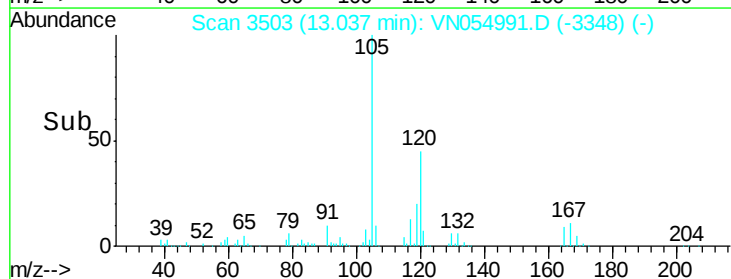
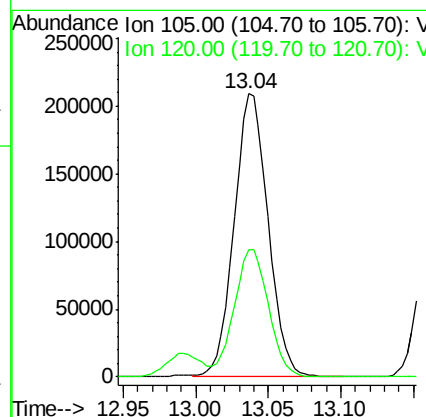
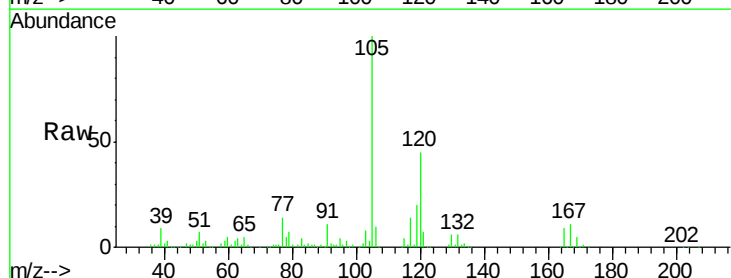
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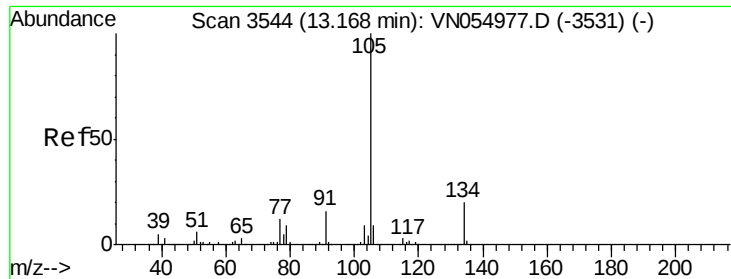
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#80
1,2,4-Trimethylbenzene
Concen: 20.981 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	339958		
120	45.3	0.0	91.4	





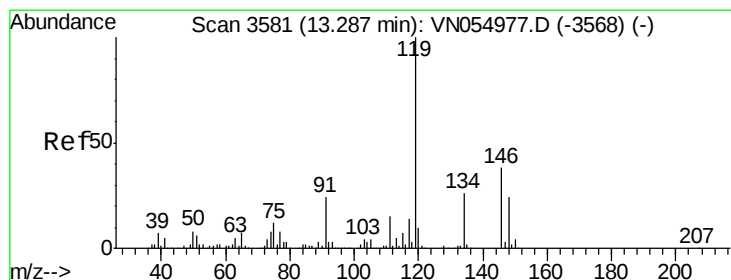
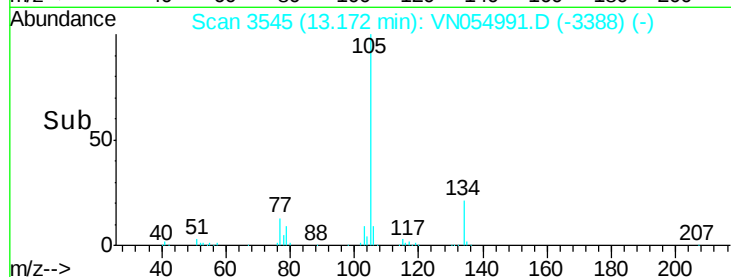
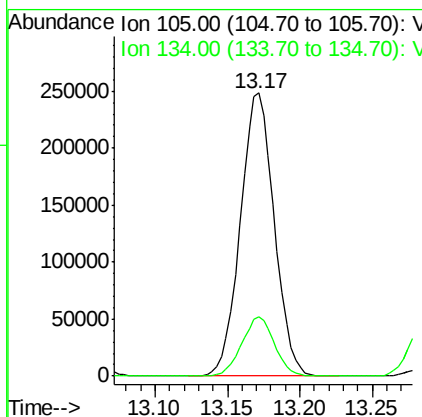
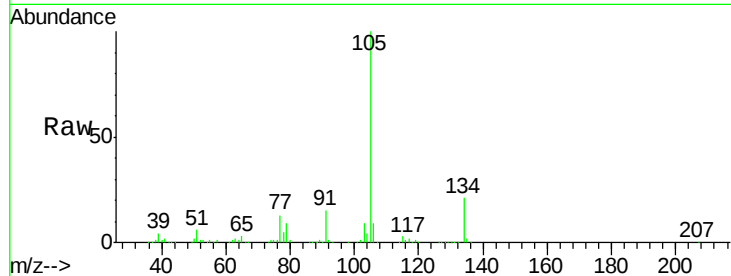
#81
 sec-Butylbenzene
 Concen: 21.114 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	0.0	40.0

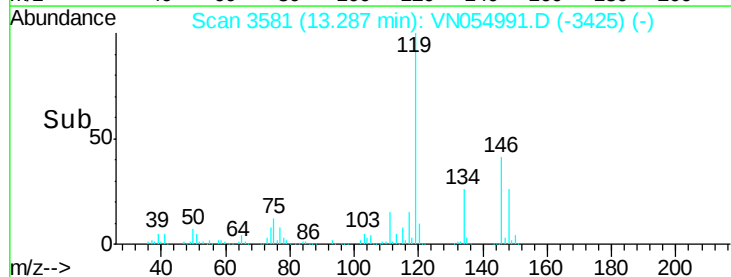
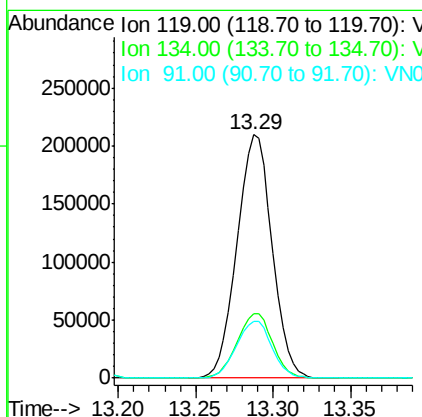
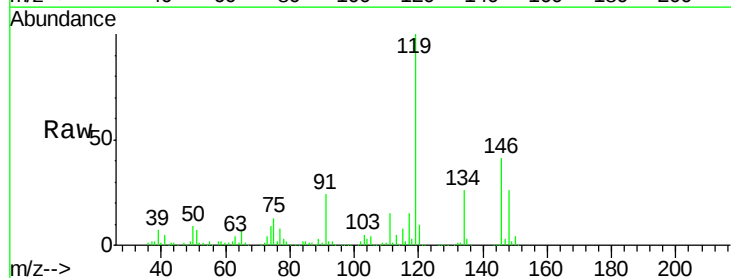
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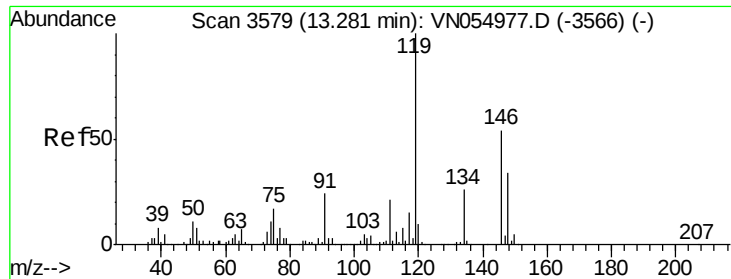
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#82
 p-Isopropyltoluene
 Concen: 20.546 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	53.2
91	23.9	0.0	47.8





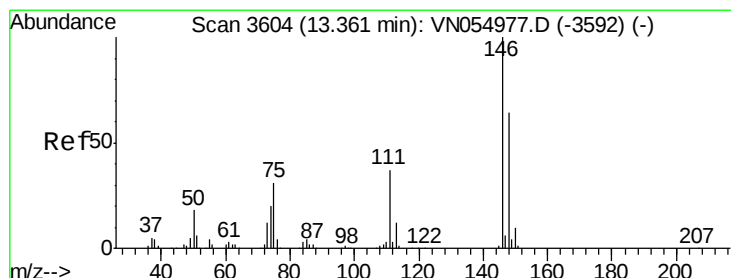
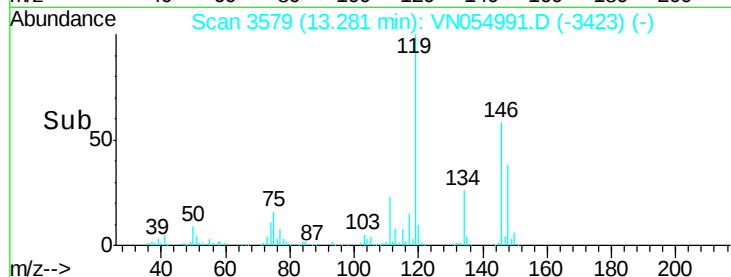
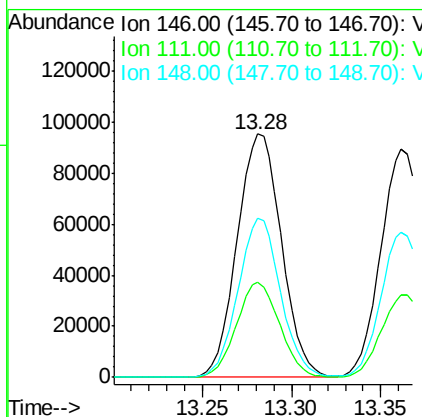
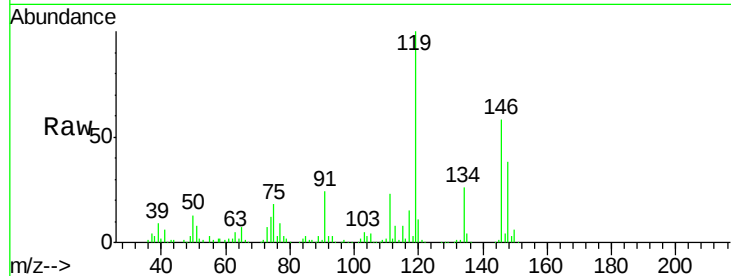
#83
 1,3-Dichlorobenzene
 Concen: 20.568 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	62.8	31.9	95.5

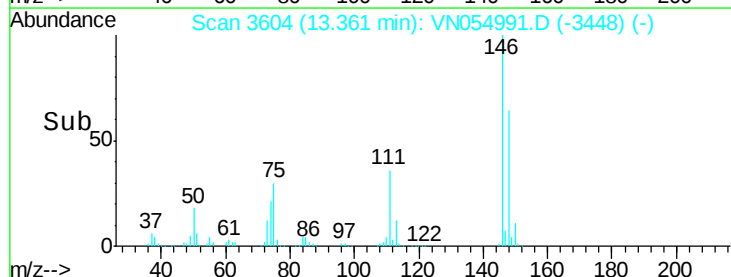
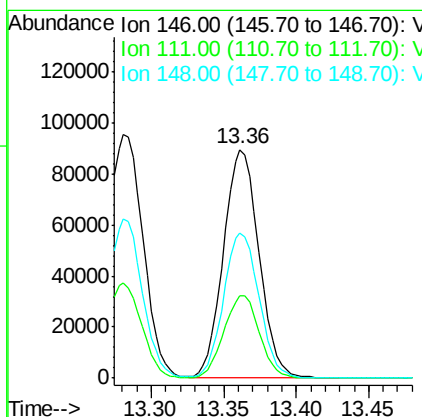
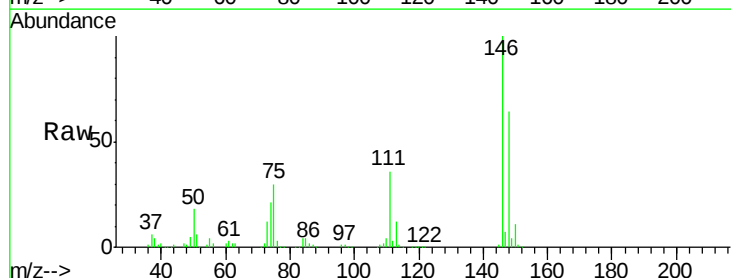
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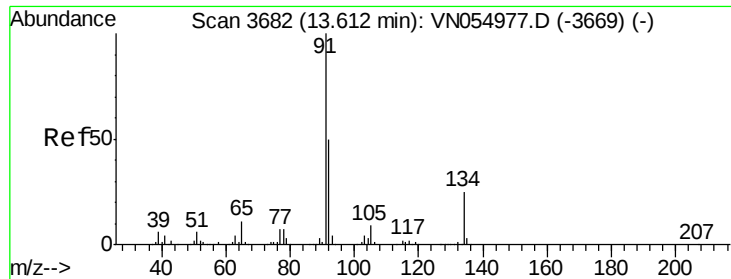
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#84
 1,4-Dichlorobenzene
 Concen: 19.829 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.4	55.2
148	63.5	32.5	97.4





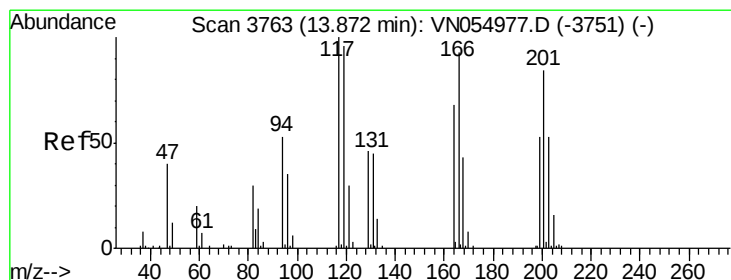
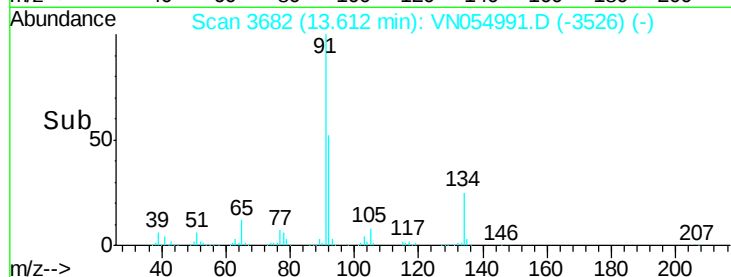
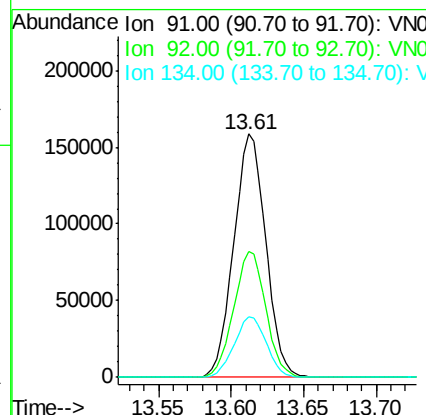
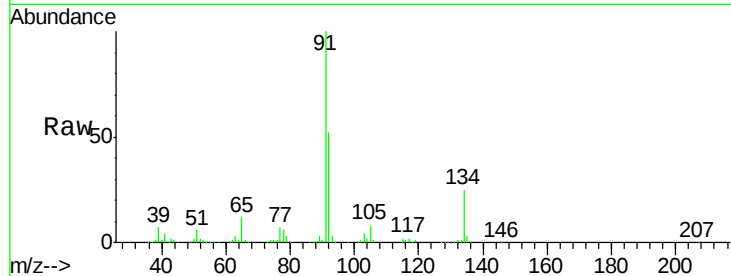
#85
n-Butylbenzene
Concen: 19.005 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	243634		
92	51.4	0.0	101.4	
134	24.9	0.0	49.8	

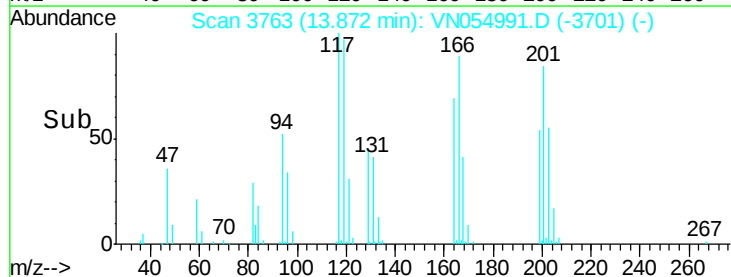
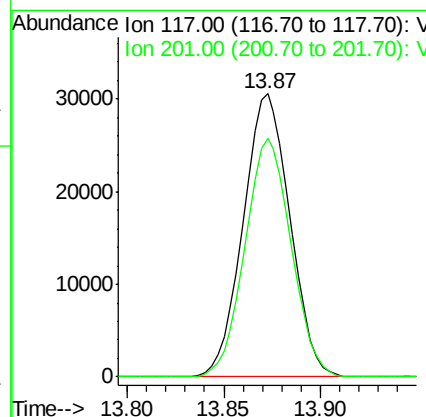
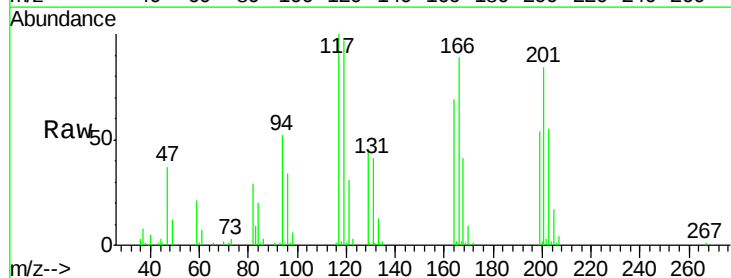
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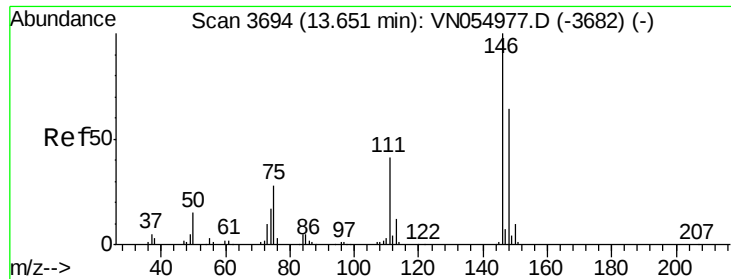
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#86
Hexachloroethane
Concen: 19.976 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	51466		
201	83.0	42.8	128.3	





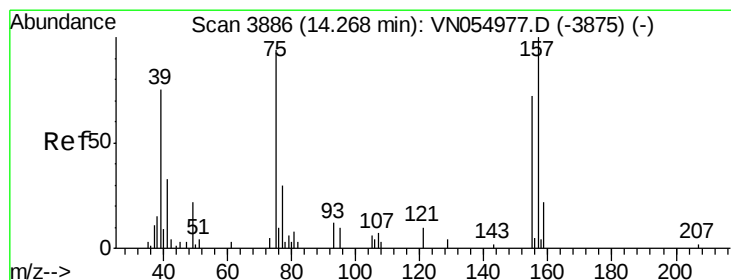
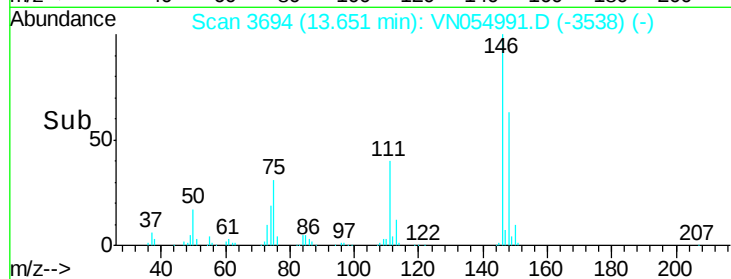
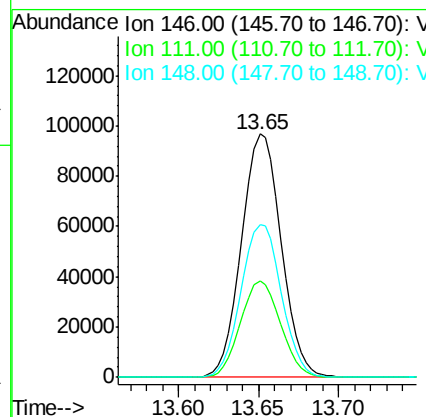
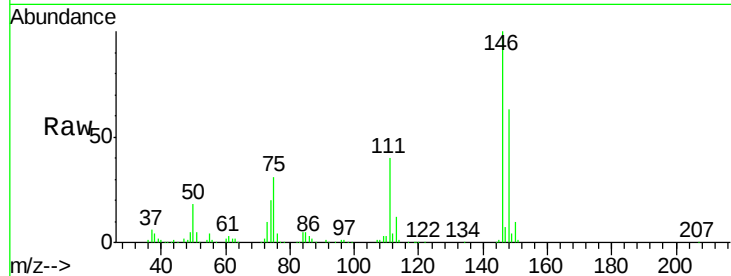
#87
 1,2-Dichlorobenzene
 Concen: 20.748 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	63.8	32.5	97.5

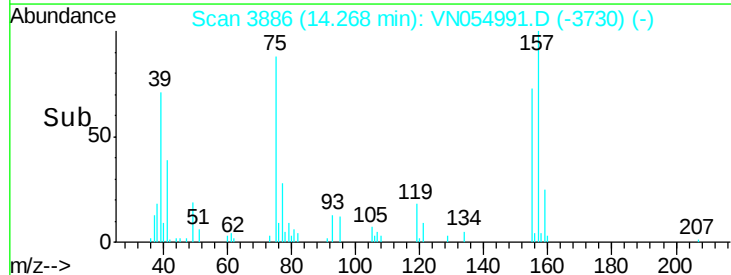
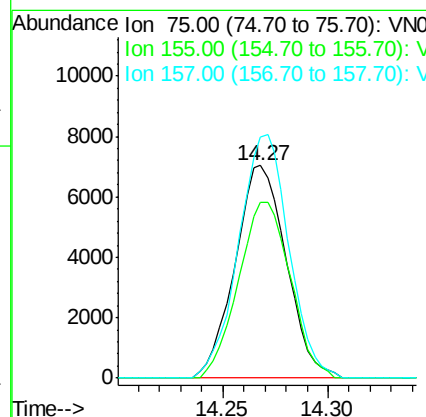
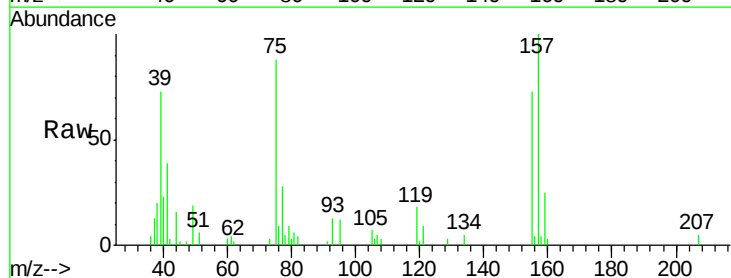
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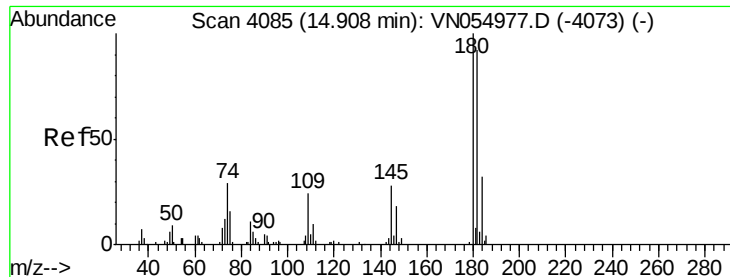
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.172 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	61.8	92.8
157	112.4	82.7	124.1





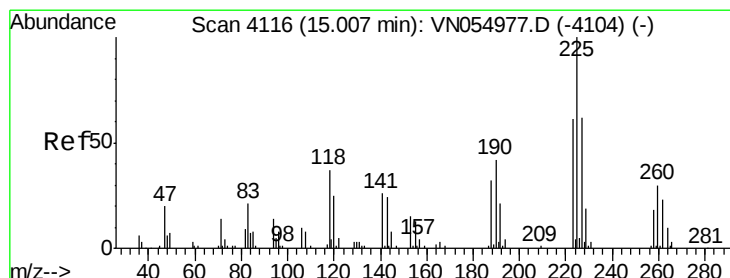
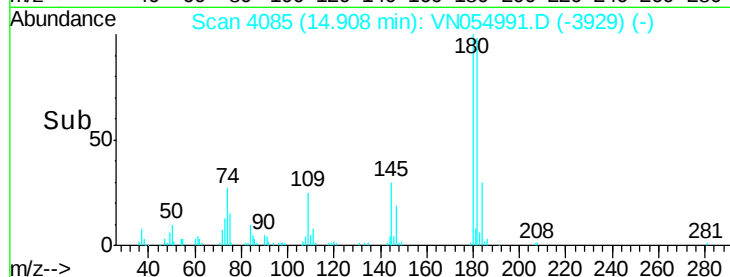
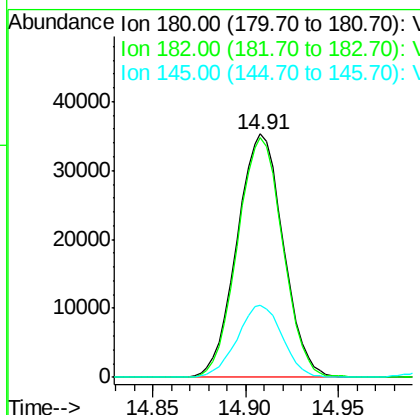
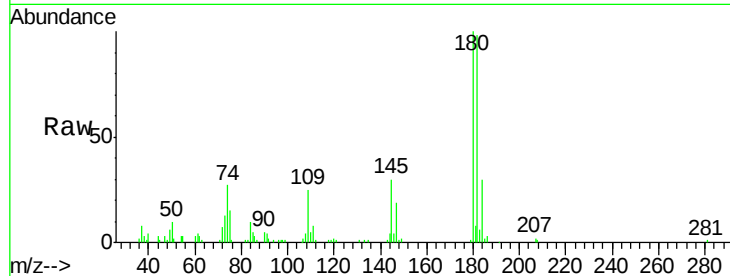
#89
 1,2,4-Trichlorobenzene
 Concen: 17.305 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	73.2	109.8
145	28.8	23.2	34.8

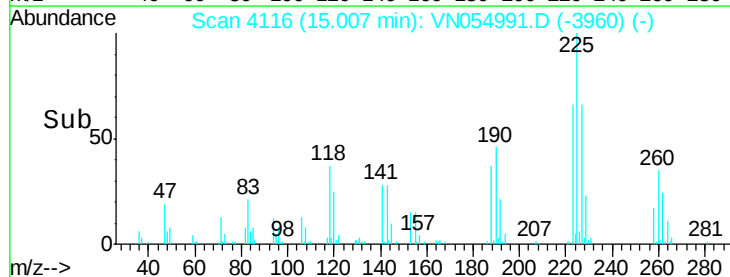
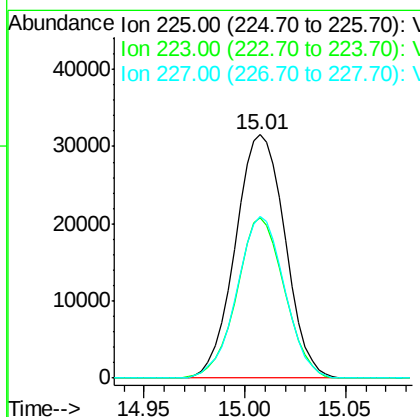
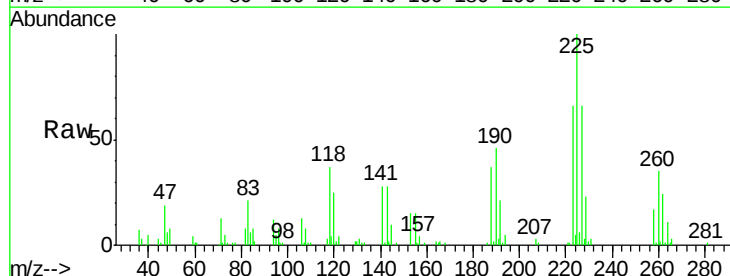
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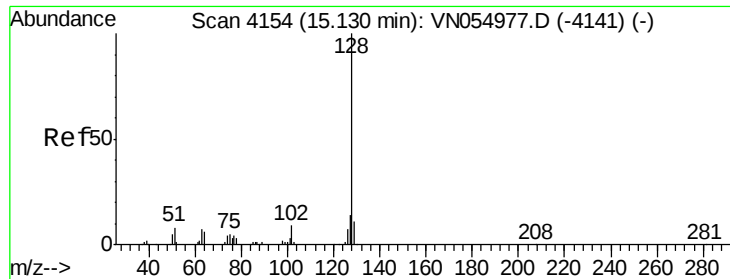
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#90
 Hexachlorobutadiene
 Concen: 21.132 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	0.0	126.0
227	63.7	0.0	125.4





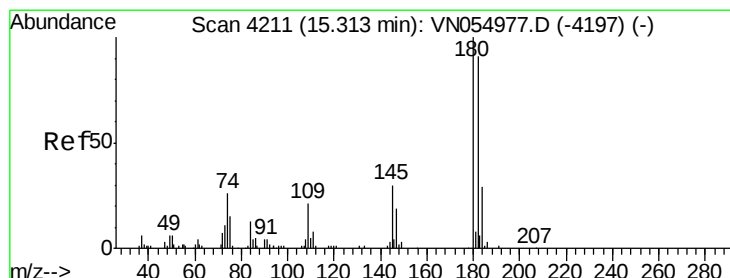
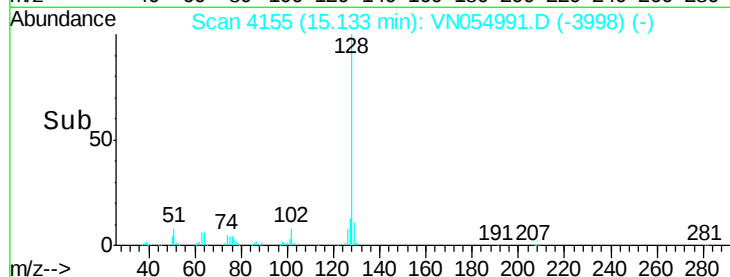
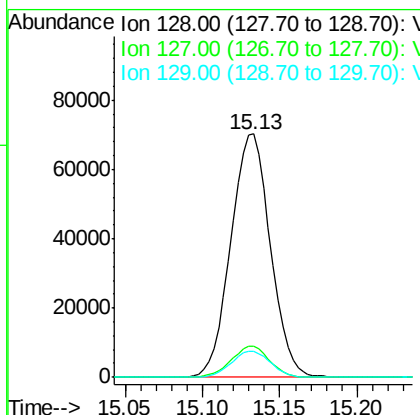
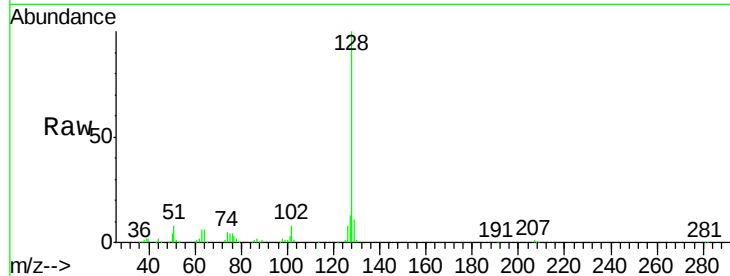
#91
Naphthalene
Concen: 16.811 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	15.8
129	10.7	9.0	13.6

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#92
1,2,3-Trichlorobenzene
Concen: 17.506 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	188.2
145	32.1	0.0	61.2

