

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
 Data File : VN052058.D
 Acq On : 30 Oct 2018 10:45
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:47:56 AM

Quant Time: Oct 31 02:39:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:21:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	253349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	488469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	453577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199636	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	199402	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
35) Dibromofluoromethane	7.59	113	146390	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
50) Toluene-d8	10.09	98	595425	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	220945	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	160421	54.891	ug/l	100
3) Chloromethane	2.06	50	195411	53.280	ug/l	100
4) Vinyl Chloride	2.19	62	212852	52.470	ug/l	100
5) Bromomethane	2.56	94	148141	45.267	ug/l	100
6) Chloroethane	2.71	64	133881	50.902	ug/l	100
7) Trichlorofluoromethane	3.02	101	240777	52.625	ug/l	100
8) Diethyl Ether	3.41	74	86738	50.945	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141581	54.288	ug/l	100
10) Methyl Iodide	3.96	142	187051	50.000	ug/l	100
11) Tert butyl alcohol	4.77	59	45857m	253.482	ug/l	
12) 1,1-Dichloroethene	3.74	96	134849	54.369	ug/l	100
13) Acrolein	3.61	56	48511	250.000	ug/l	100
14) Allyl chloride	4.33	41	275741	54.509	ug/l	100
15) Acrylonitrile	4.99	53	290582	269.349	ug/l	100
16) Acetone	3.82	43	206427	232.185	ug/l	100
17) Carbon Disulfide	4.06	76	419155	51.920	ug/l	100
18) Methyl Acetate	4.33	43	125465	45.422	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	435702	52.535	ug/l	100
20) Methylene Chloride	4.55	84	166962	54.598	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	155381	55.209	ug/l	100
22) Diisopropyl ether	5.95	45	585166	51.826	ug/l	100
23) Vinyl Acetate	5.90	43	2080419	278.562	ug/l	100
24) 1,1-Dichloroethane	5.85	63	322391	51.857	ug/l	100
25) 2-Butanone	6.83	43	341341	271.874	ug/l	100
26) 2,2-Dichloropropane	6.83	77	262754	51.775	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	185189	53.088	ug/l	100
28) Bromochloromethane	7.20	49	151217	44.421	ug/l	100
29) Tetrahydrofuran	7.21	42	230751	257.603	ug/l	100
30) Chloroform	7.37	83	324903	51.206	ug/l	100
31) Cyclohexane	7.65	56	308878	31.310	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	266234	55.209	ug/l	100
36) 1,1-Dichloropropene	7.79	75	248317	51.194	ug/l	100
37) Ethyl Acetate	6.93	43	150868	52.173	ug/l	100
38) Carbon Tetrachloride	7.78	117	220805	54.823	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	307175	53.058	ug/l	100
40) Benzene	8.04	78	730521	53.250	ug/l	100
41) Methacrylonitrile	7.18	41	91520	82.463	ug/l	100
42) 1,2-Dichloroethane	8.13	62	255283	46.878	ug/l	100
43) Isopropyl Acetate	8.16	43	299151	53.439	ug/l	100
44) Trichloroethene	8.84	130	163781	54.227	ug/l	100
45) 1,2-Dichloropropane	9.12	63	200446	48.282	ug/l	100
46) Dibromomethane	9.21	93	118476	55.926	ug/l	100
47) Bromodichloromethane	9.40	83	250295	56.594	ug/l	100
48) Methyl methacrylate	9.20	41	151483	53.538	ug/l	100
49) 1,4-Dioxane	9.20	88	23865	1699.099	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	819382	270.005	ug/l	100
52) Toluene	10.16	92	446412	54.194	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	261550	55.233	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	295205	57.498	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	158329	53.728	ug/l	100
56) Ethyl methacrylate	10.43	69	227296	52.717	ug/l	100
57) 1,3-Dichloropropane	10.71	76	287114	52.959	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	604067	273.470	ug/l	100
59) 2-Hexanone	10.75	43	573675	263.217	ug/l	100
60) Dibromochloromethane	10.90	129	161724	57.723	ug/l	100
61) 1,2-Dibromoethane	11.00	107	158686	54.255	ug/l	100
64) Tetrachloroethene	10.63	164	135643	52.029	ug/l	100
65) Chlorobenzene	11.43	112	484115	52.052	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	159902	56.362	ug/l	100
67) Ethyl Benzene	11.51	91	890483	54.658	ug/l	100
68) m/p-Xylenes	11.62	106	656490	116.100	ug/l	100
69) o-Xylene	11.95	106	325223	58.963	ug/l	100
70) Styrene	11.96	104	530576	58.341	ug/l	100
71) Bromoform	12.13	173	91987	60.920	ug/l #	100
73) Isopropylbenzene	12.25	105	859466	54.638	ug/l	100
74) N-amyl acetate	12.07	43	283034	47.347	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	197506	49.813	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	186324m	55.122	ug/l	
77) Bromobenzene	12.53	156	179048	52.501	ug/l	100
78) n-propylbenzene	12.59	91	1041783	52.691	ug/l	100
79) 2-Chlorotoluene	12.67	91	605460	54.530	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	705972	54.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	57228	55.246	ug/l	100
82) 4-Chlorotoluene	12.77	91	627285	55.831	ug/l	100
83) tert-Butylbenzene	12.99	119	594064	53.406	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	715743	56.010	ug/l	100
85) sec-Butylbenzene	13.17	105	853784	54.262	ug/l	100
86) p-Isopropyltoluene	13.29	119	707814	55.463	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	326411	52.359	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	326058	51.387	ug/l	100
89) n-Butylbenzene	13.61	91	663127	53.782	ug/l	100
90) Hexachloroethane	13.87	117	119987	53.935	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	313621	54.882	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28795	79.434	ug/l	100

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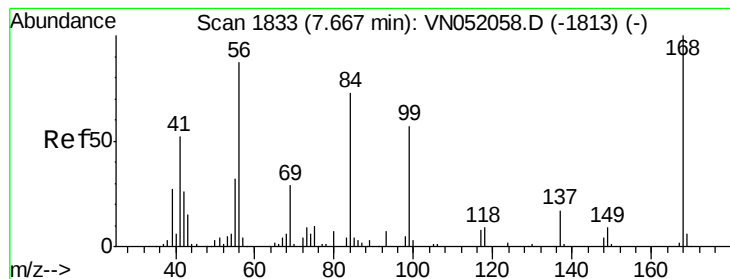
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116575	56.504	ug/l	100
94) Hexachlorobutadiene	15.01	225	60780	50.302	ug/l	100
95) Naphthalene	15.13	128	302427	55.299	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	100387	53.584	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 253349

Ion Ratio Lower Upper

168 100

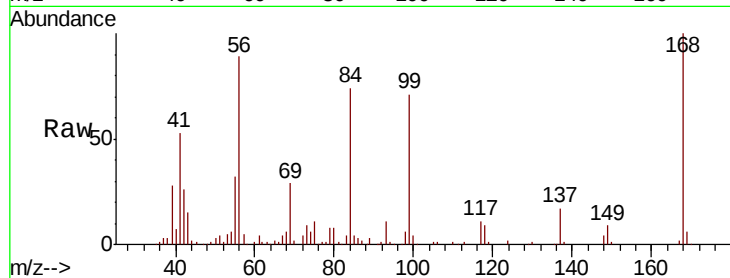
99 70.8 56.6 85.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

120000

100000

80000

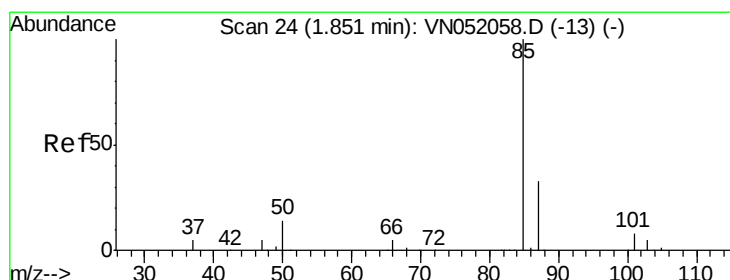
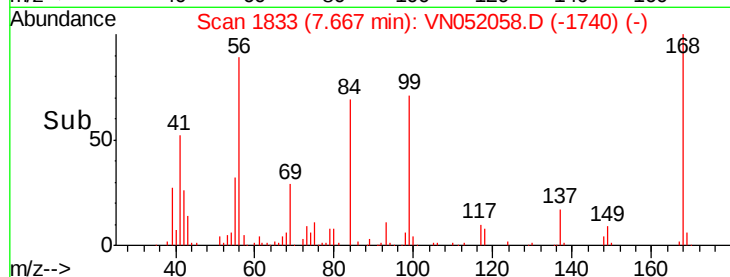
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.891 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052058.D

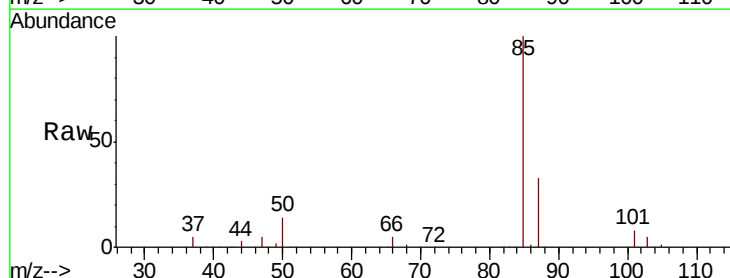
Acq: 30 Oct 2018 10:45

Tgt Ion: 85 Resp: 160421

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

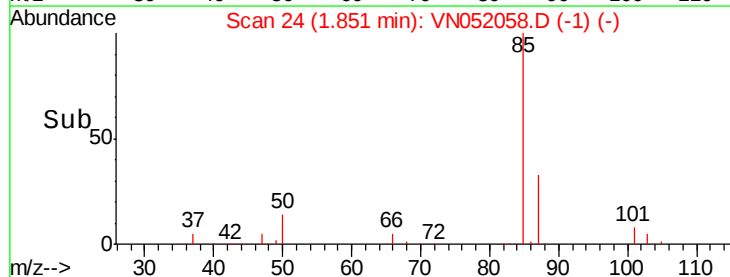
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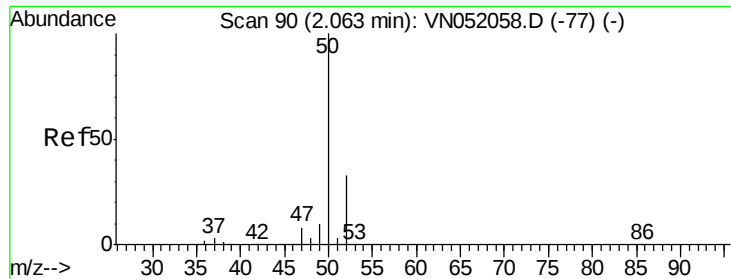
40000

20000

0

Time-->





#3

Chloromethane

Concen: 53.280 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 195411

Ion Ratio Lower Upper

50 100

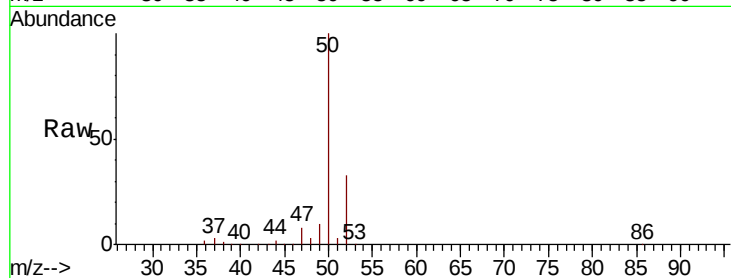
52 33.2 26.6 39.8

Manual Integrations

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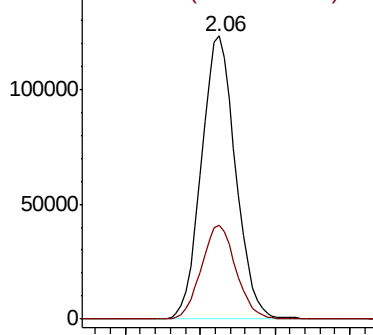
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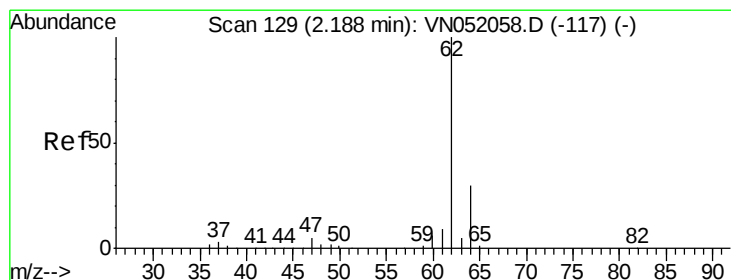
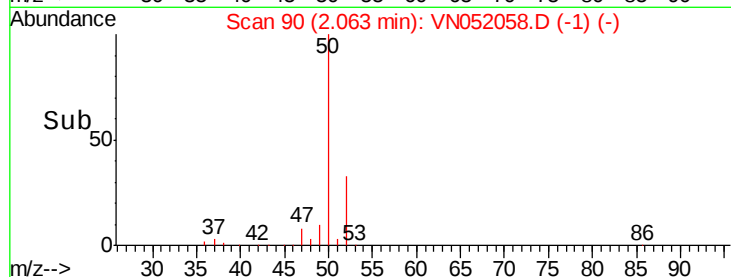


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 52.470 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052058.D

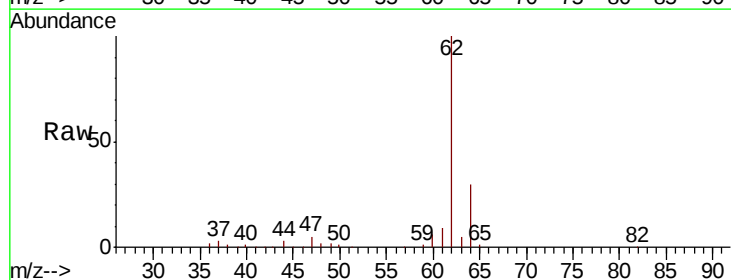
Acq: 30 Oct 2018 10:45

Tgt Ion: 62 Resp: 212852

Ion Ratio Lower Upper

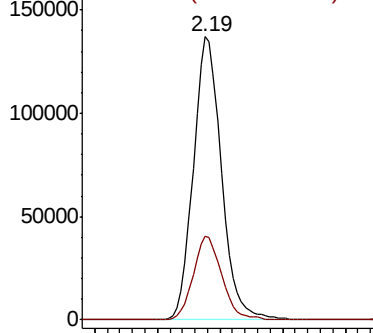
62 100

64 29.6 23.7 35.5

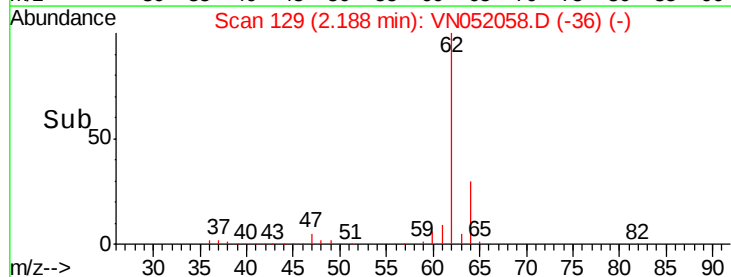


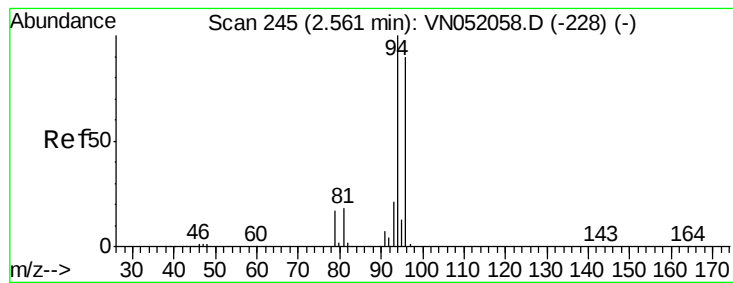
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 45.267 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 148141

Ion Ratio Lower Upper

94 100

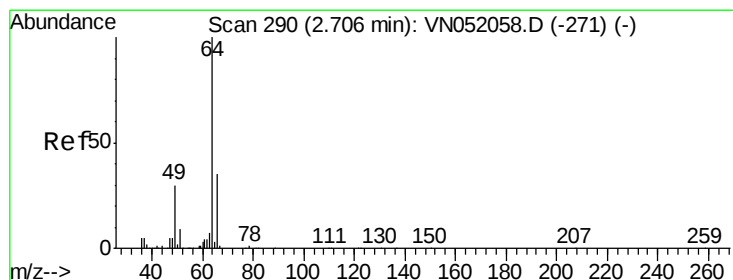
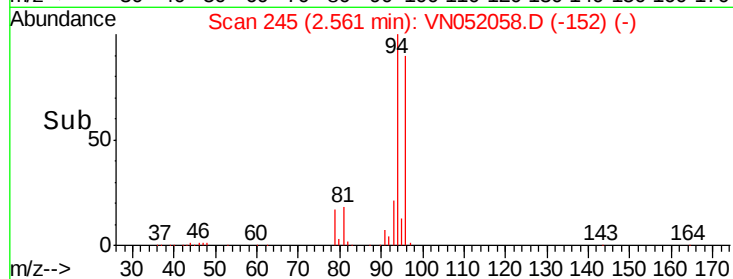
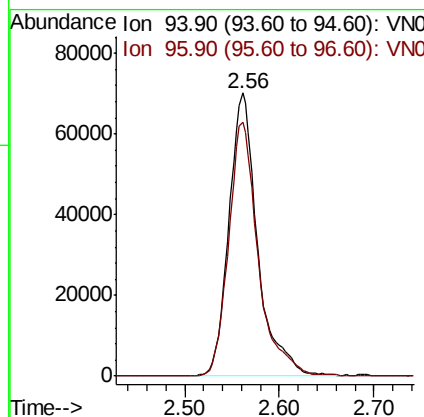
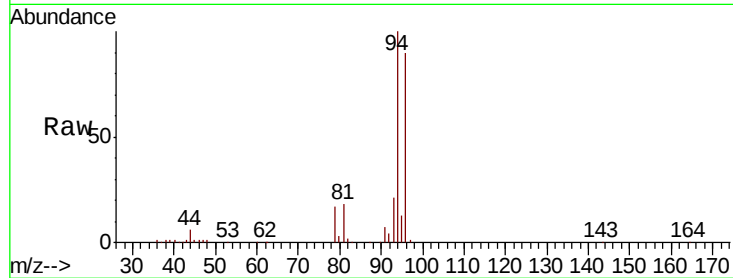
96 89.7 71.8 107.6

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#6

Chloroethane

Concen: 50.902 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN052058.D

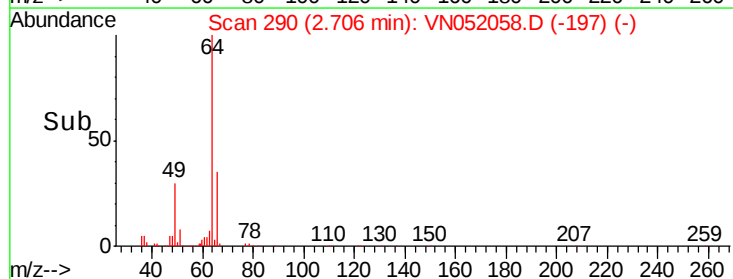
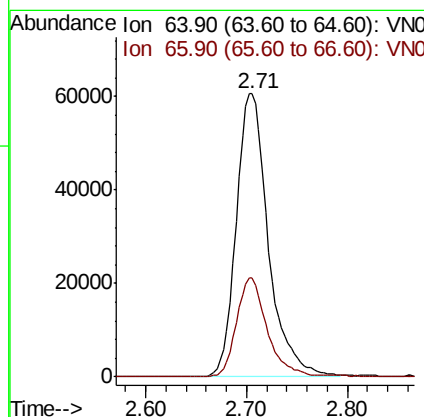
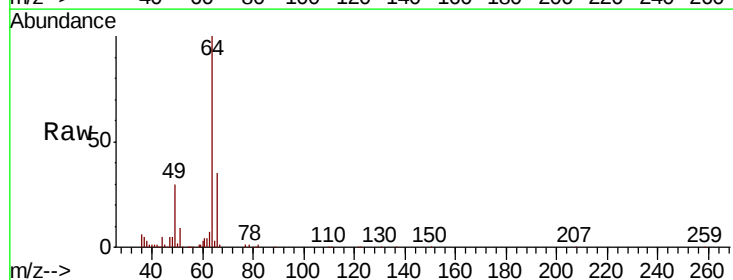
Acq: 30 Oct 2018 10:45

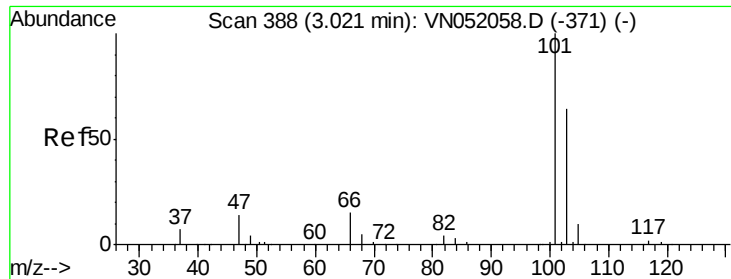
Tgt Ion: 64 Resp: 133881

Ion Ratio Lower Upper

64 100

66 34.9 27.9 41.9





#7

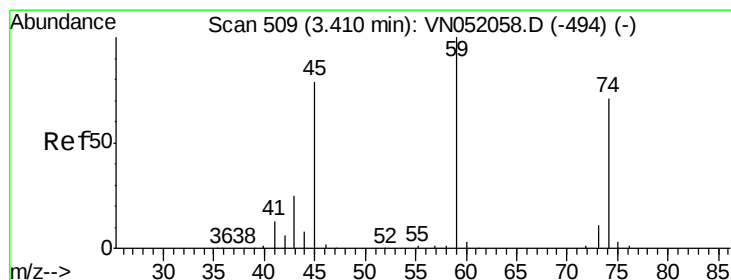
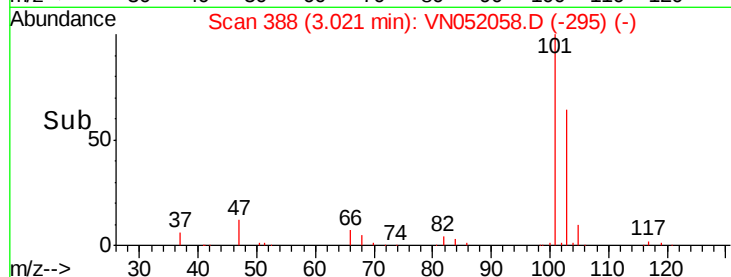
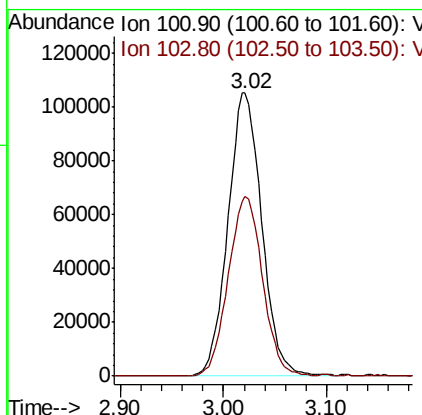
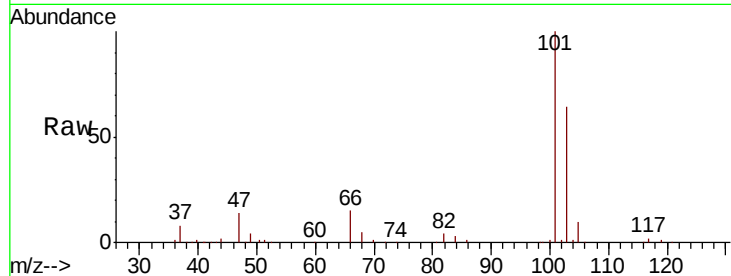
Trichlorofluoromethane
Concen: 52.625 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN052058.D
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VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		240777		
103	63.7	51.0	76.4		

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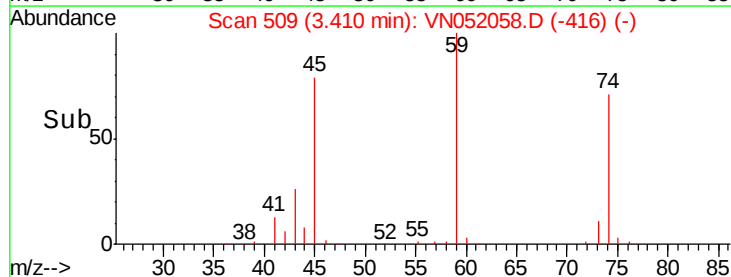
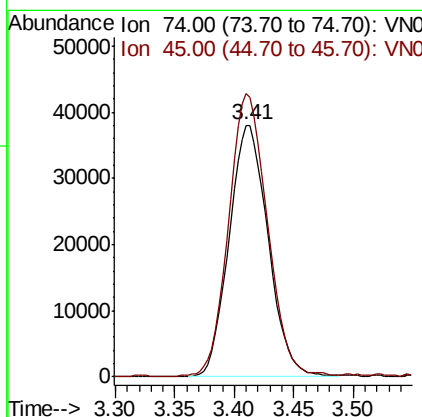
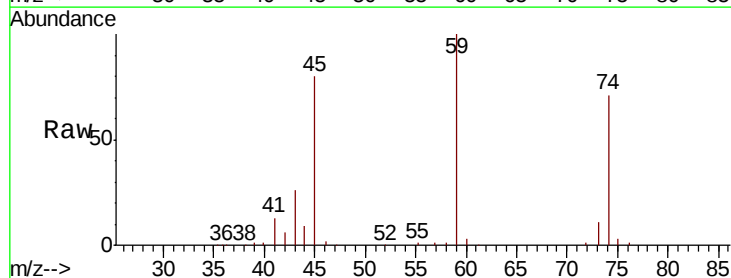
MMDadoda
11/1/2018 11:47:56 AM

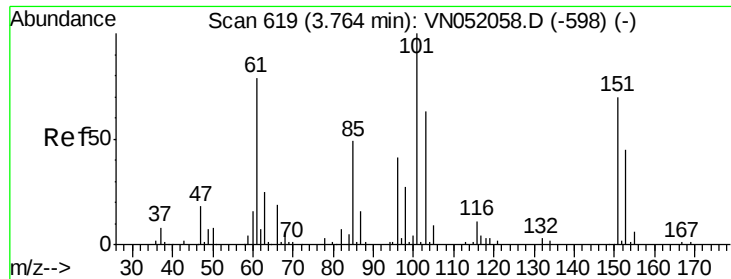


#8

Diethyl Ether
Concen: 50.945 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		86738		
45	111.2	55.6	166.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.288 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

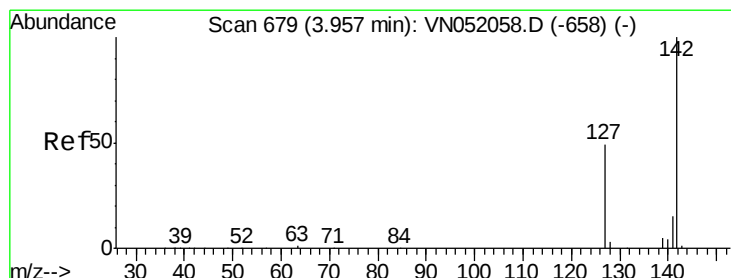
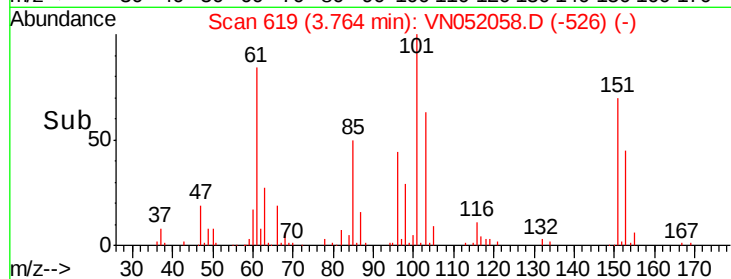
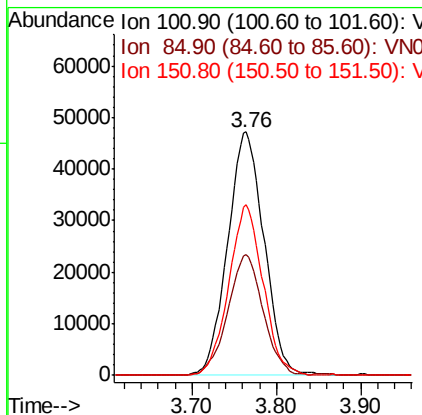
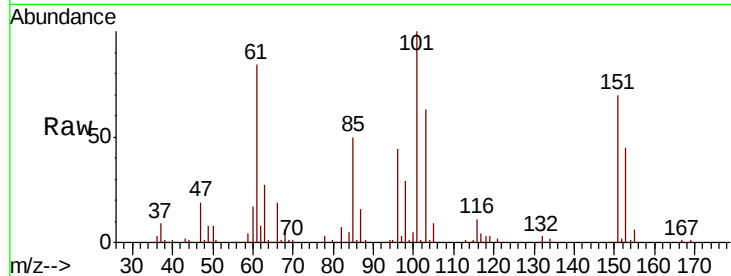
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	141581
Ion Ratio	Lower	Upper	
101	100		
85	48.3	38.6	58.0
151	65.7	52.6	78.8

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#10

Methyl Iodide

Concen: 50.000 ug/l

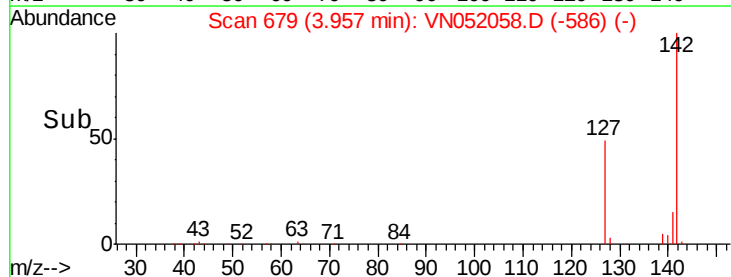
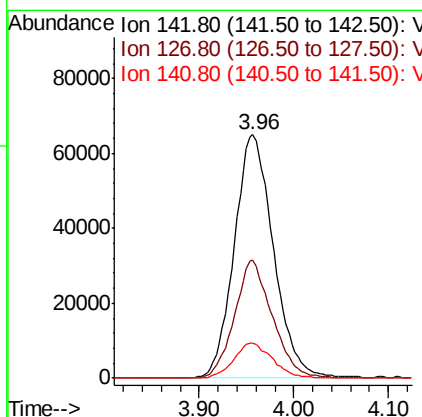
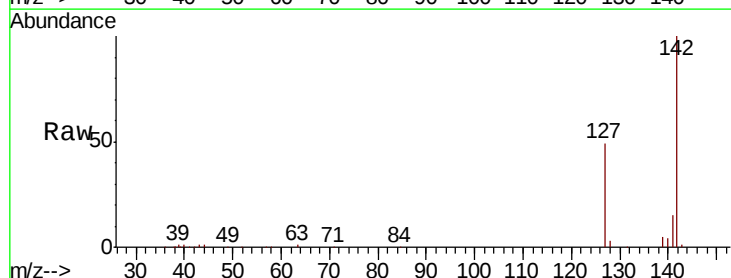
RT: 3.96 min Scan# 679

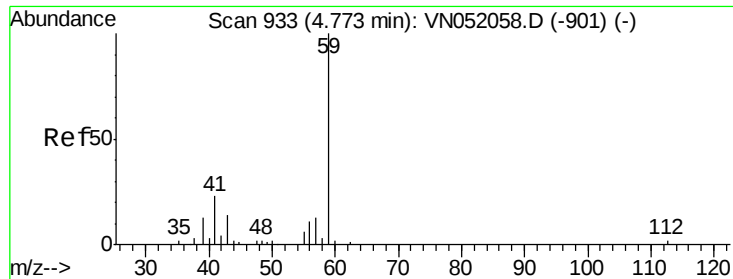
Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Tgt Ion:	142	Resp:	187051
Ion Ratio	Lower	Upper	
142	100		
127	46.6	37.3	55.9
141	14.3	11.4	17.2





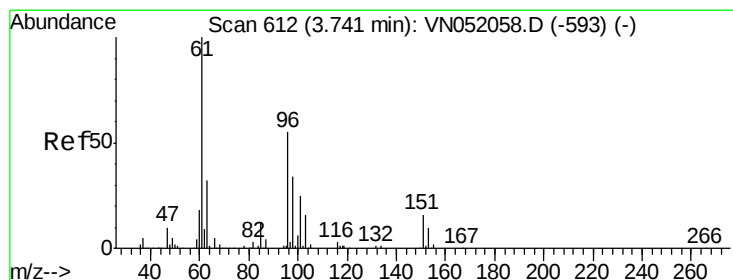
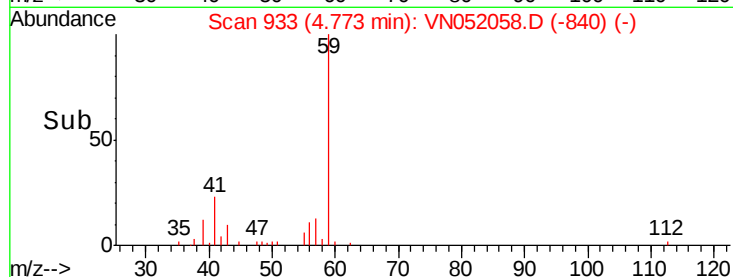
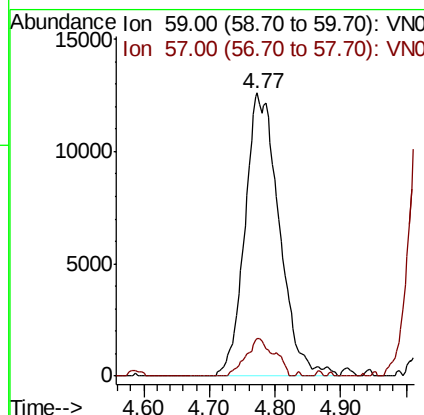
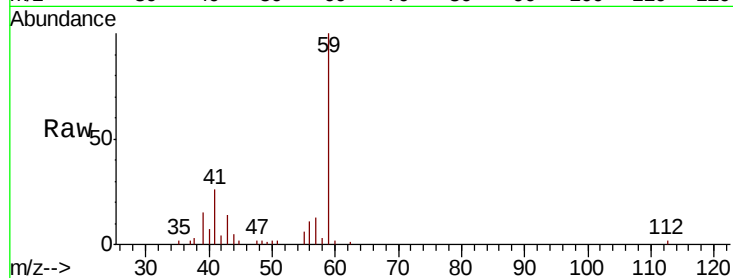
#11
Tert butyl alcohol
Concen: 253.482 ug/l m
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	59	57	Ratio	100	8.7	Resp:	45857	Lower	7.0	Upper	10.6

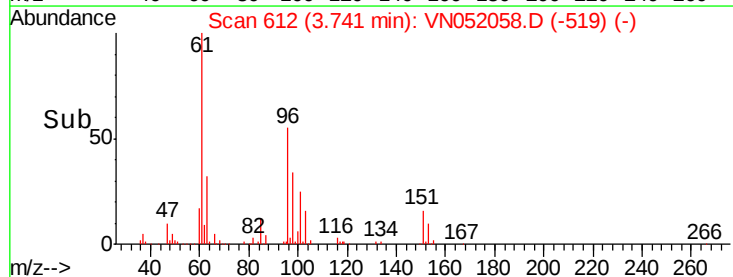
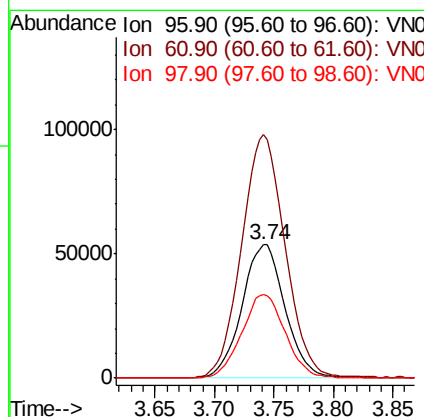
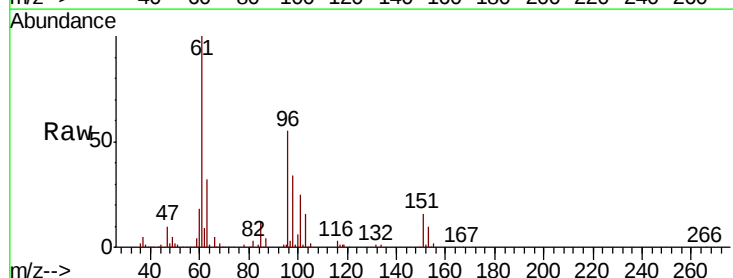
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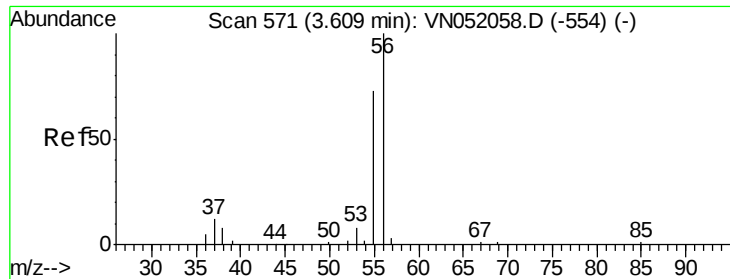
MMDadoda
11/1/2018 11:47:56 AM



#12
1,1-Dichloroethene
Concen: 54.369 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	96	61	98	Ratio	100	182.1	62.3	Resp:	134849	Lower	145.7	Upper	218.5	74.8





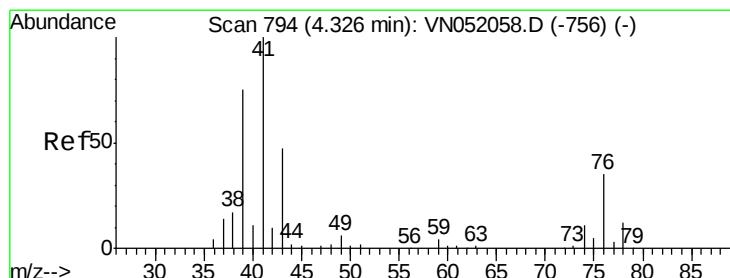
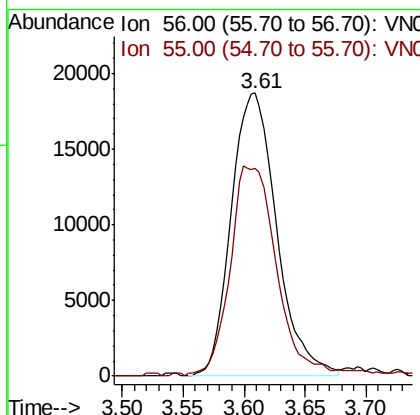
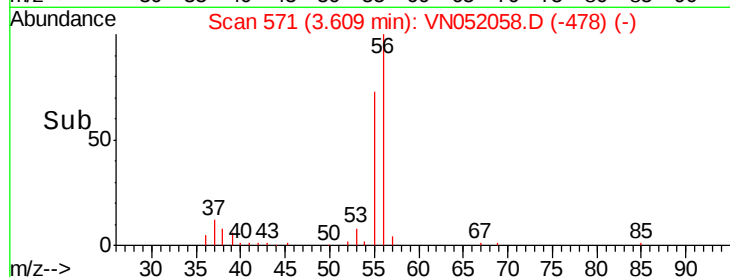
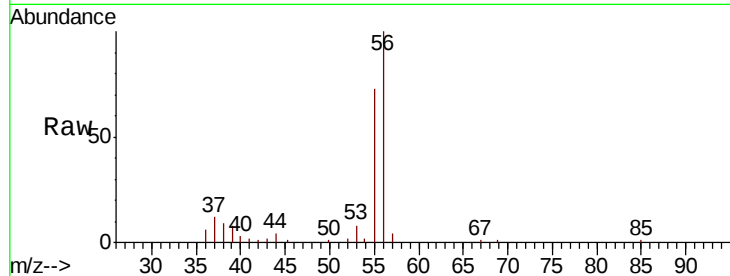
#13
Acrolein
Concen: 250.000 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	74.9	59.9	89.9

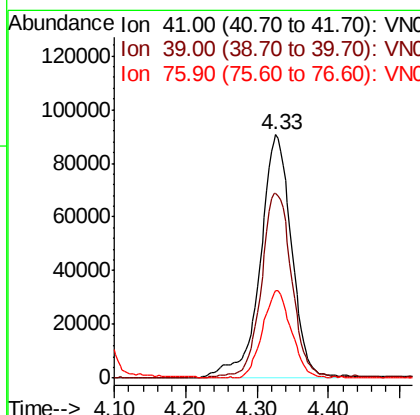
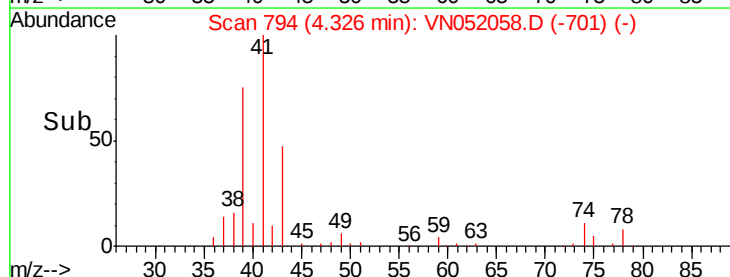
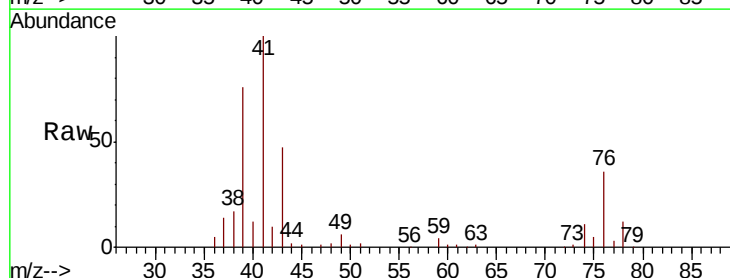
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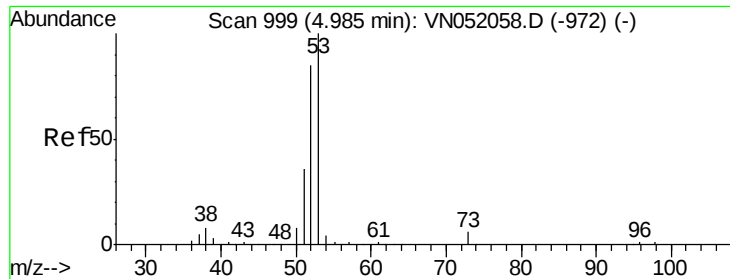
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#14
Allyl chloride
Concen: 54.509 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	72.6	58.1	87.1
76	76	32.5	26.0	39.0





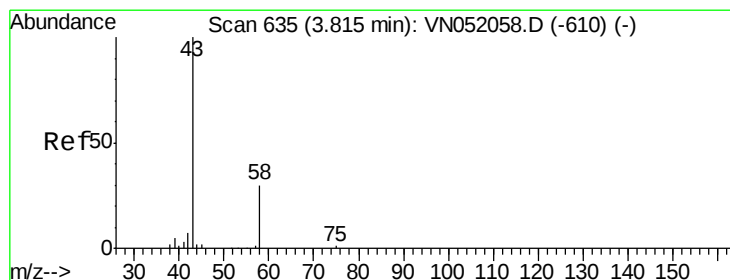
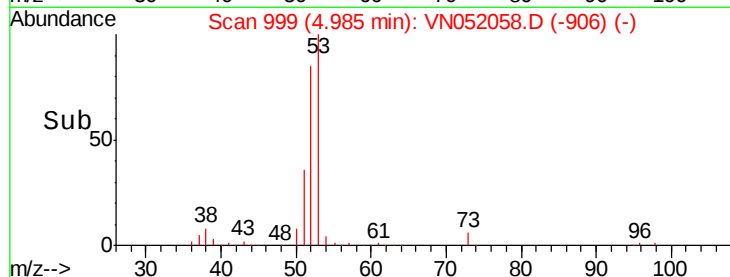
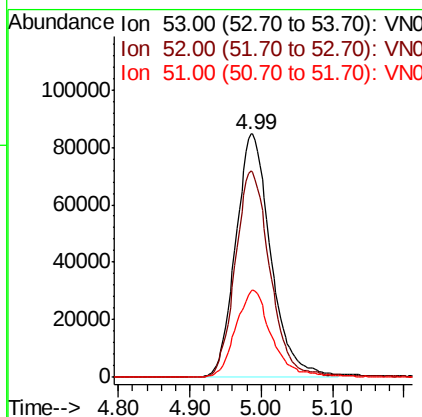
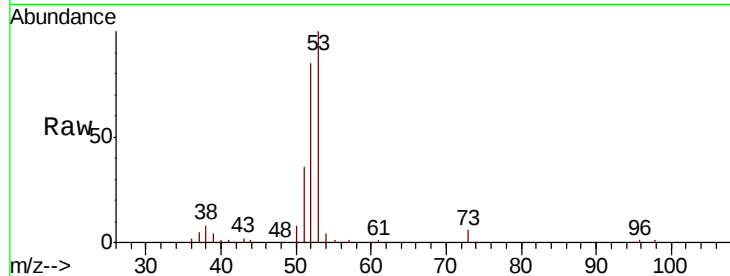
#15
 Acrylonitrile
 Concen: 269.349 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	36.3	29.0	43.6

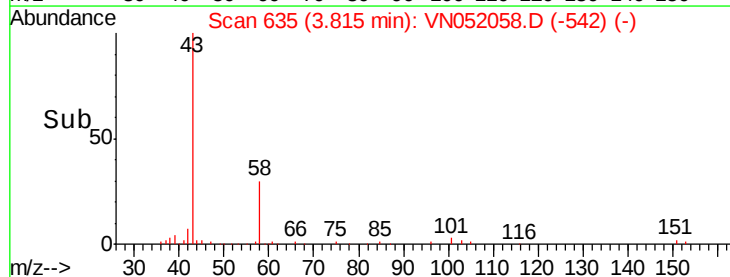
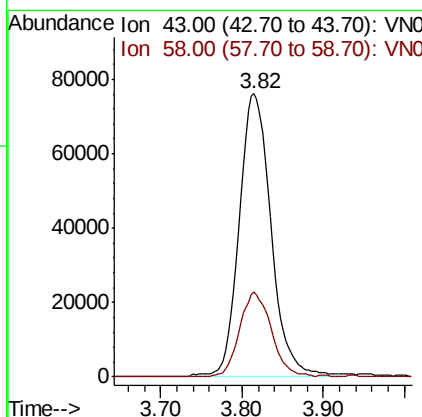
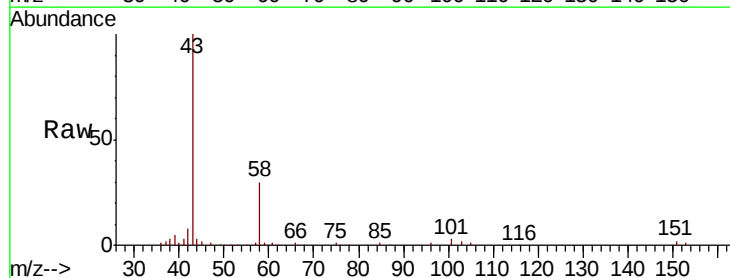
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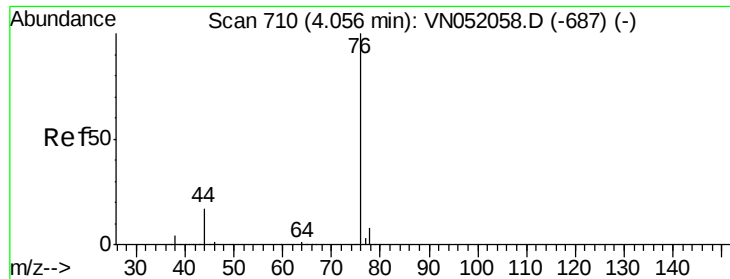
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 11/1/2018 11:47:56 AM



#16
 Acetone
 Concen: 232.185 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.2





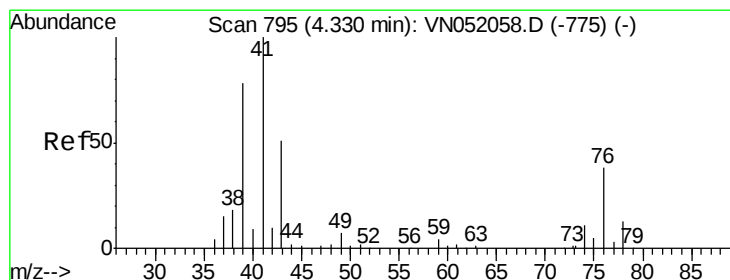
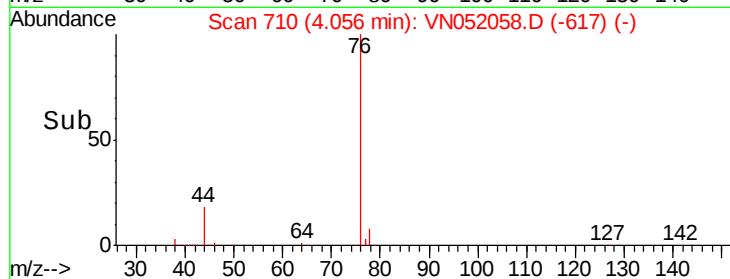
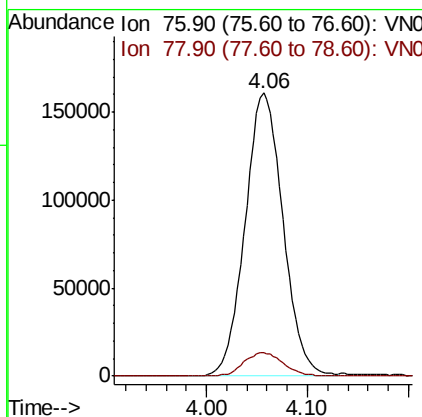
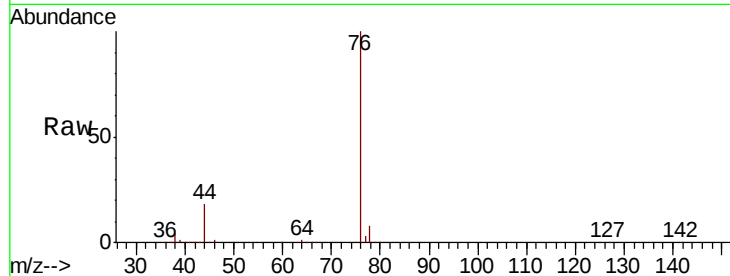
#17
Carbon Disulfide
Concen: 51.920 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2

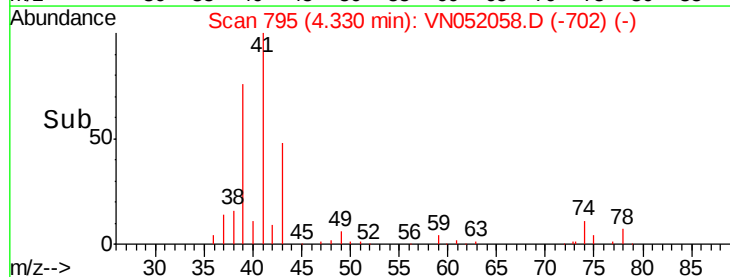
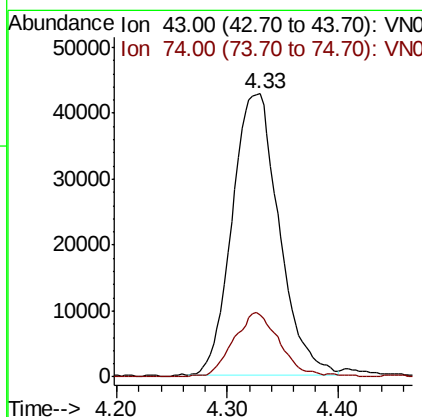
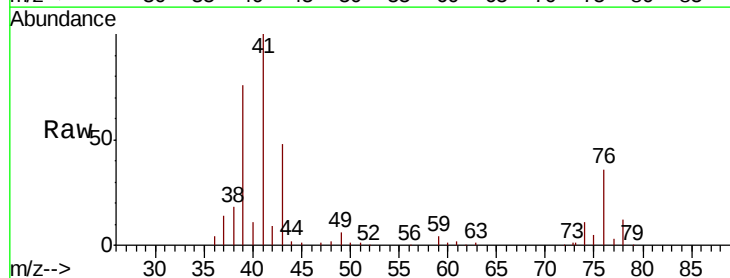
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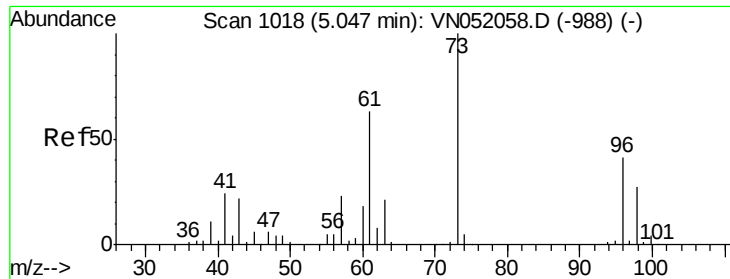
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#18
Methyl Acetate
Concen: 45.422 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.9	26.9





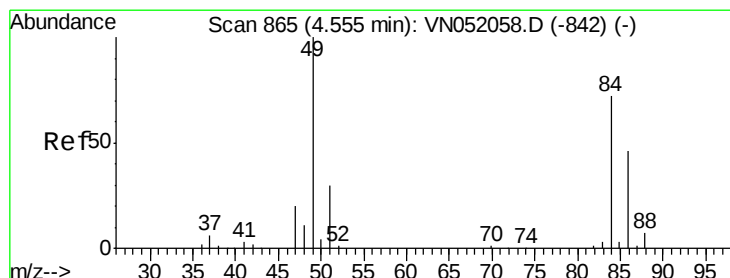
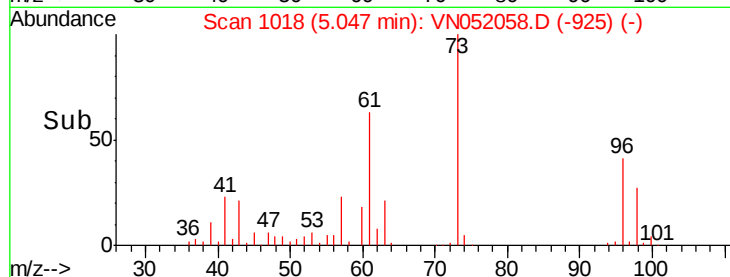
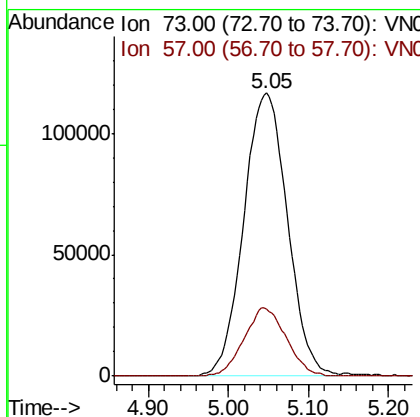
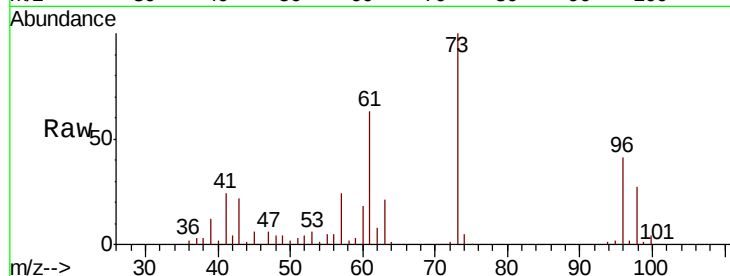
#19
Methvl tert-butvl Ether
Concen: 52.535 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 435702
Ion Ratio Lower Upper
73 100
57 23.4 18.7 28.1

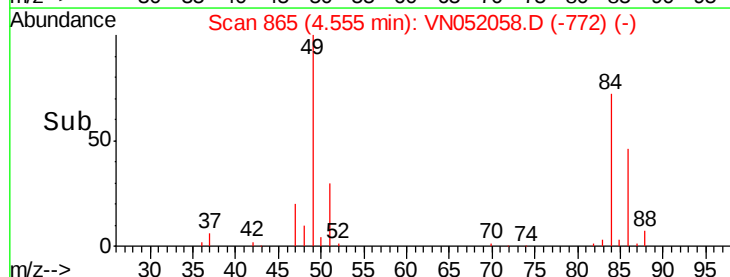
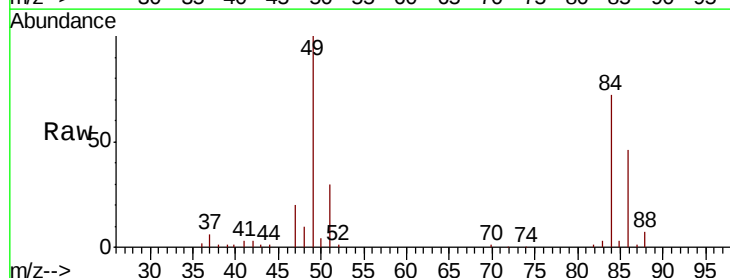
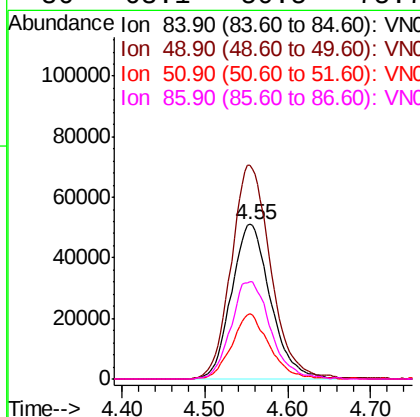
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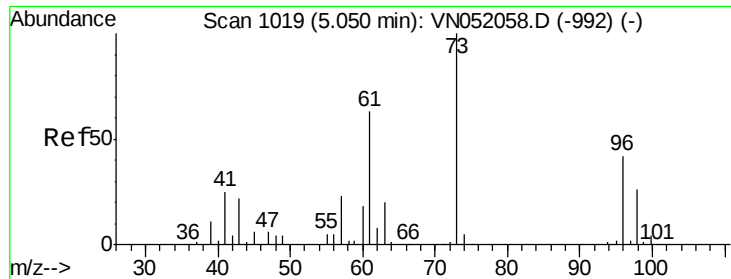
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#20
Methylene Chloride
Concen: 54.598 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion: 84 Resp: 166962
Ion Ratio Lower Upper
84 100
49 138.2 110.6 165.8
51 42.1 33.7 50.5
86 63.1 50.5 75.7





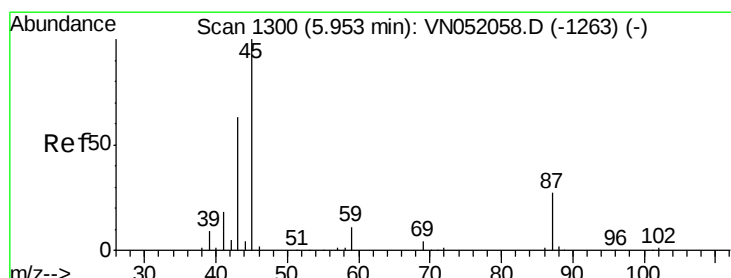
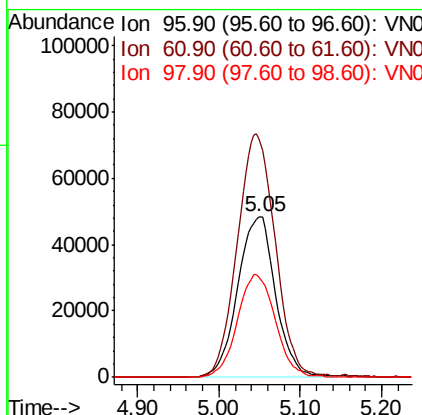
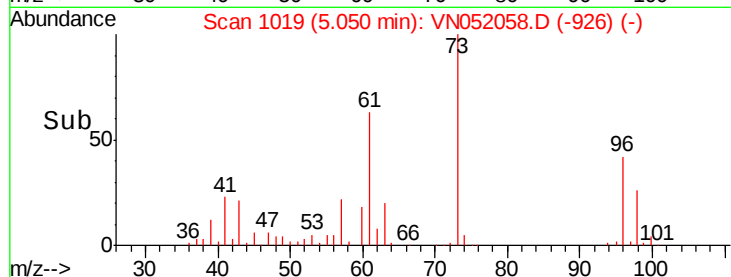
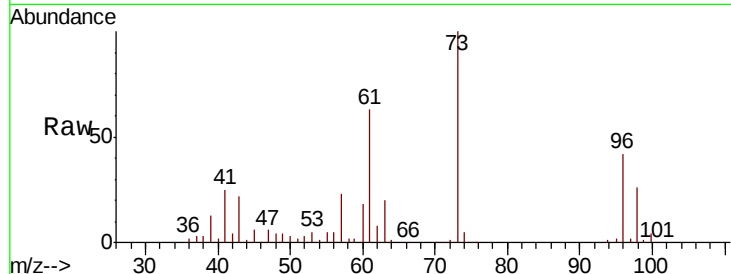
#21
trans-1,2-Dichloroethene
Concen: 55.209 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.3	118.6	178.0
98	62.1	49.7	74.5

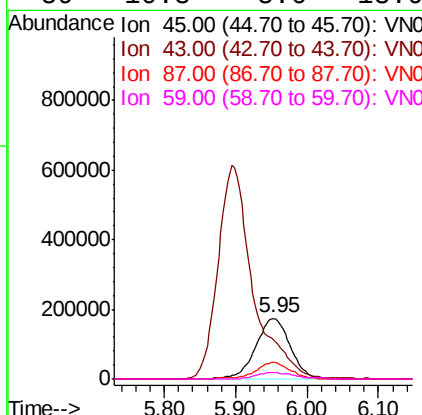
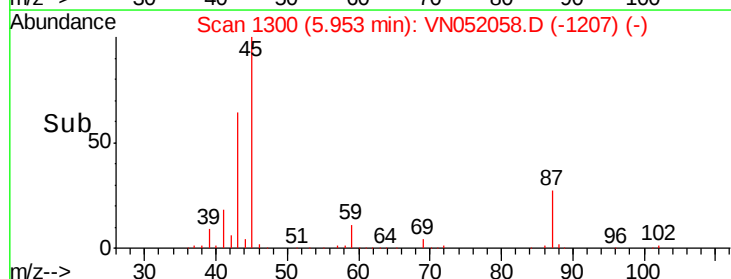
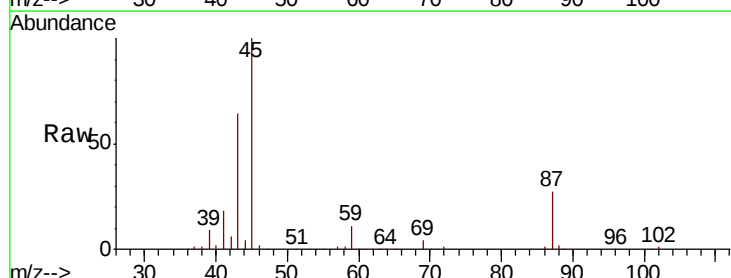
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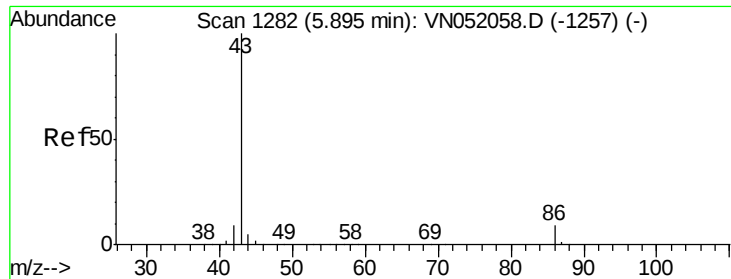
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#22
Diisopropyl ether
Concen: 51.826 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.1	50.5	75.7
87	26.9	21.5	32.3
59	10.8	8.6	13.0





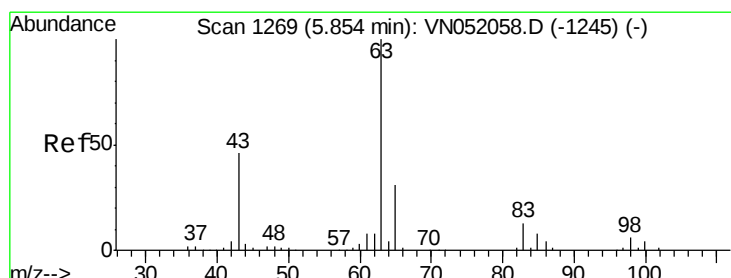
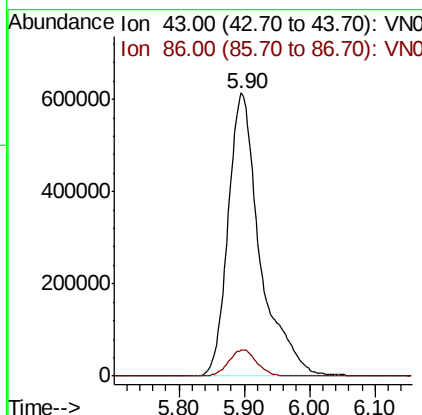
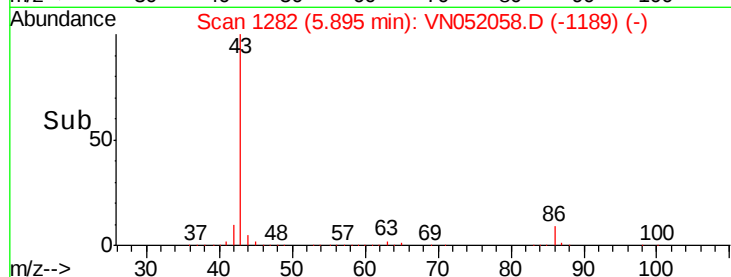
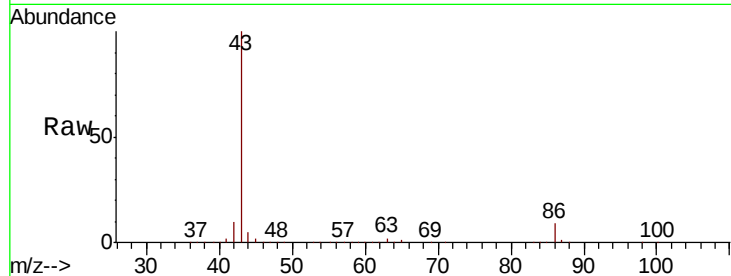
#23
 Vinyl Acetate
 Concen: 278.562 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2080419
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.3 10.9

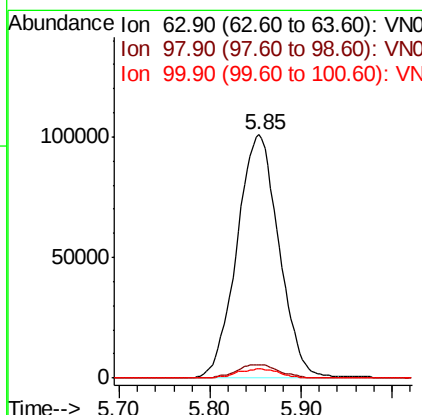
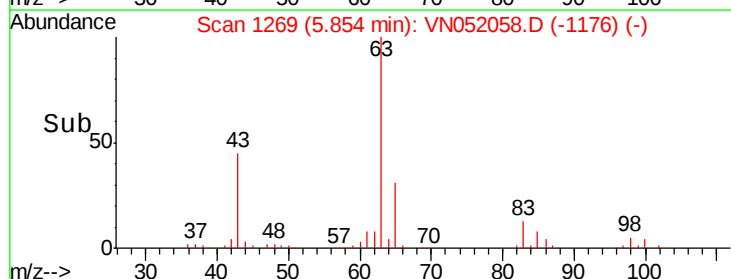
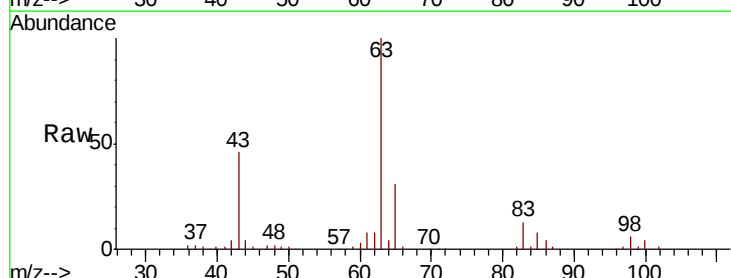
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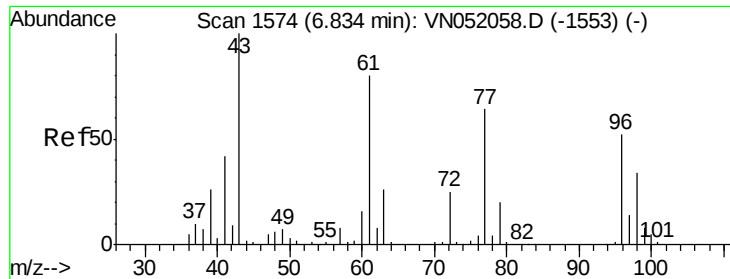
MMDadoda
 11/1/2018 11:47:56 AM



#24
 1,1-Dichloroethane
 Concen: 51.857 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Tgt Ion: 63 Resp: 322391
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.4
 100 4.0 2.0 6.0





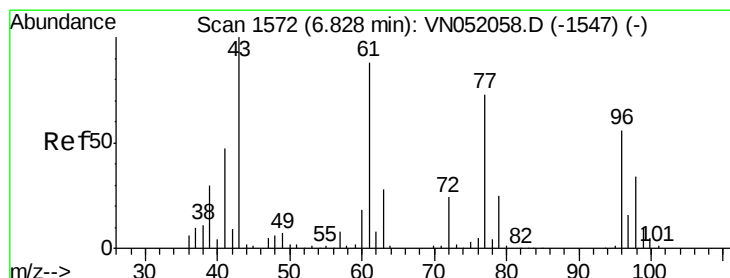
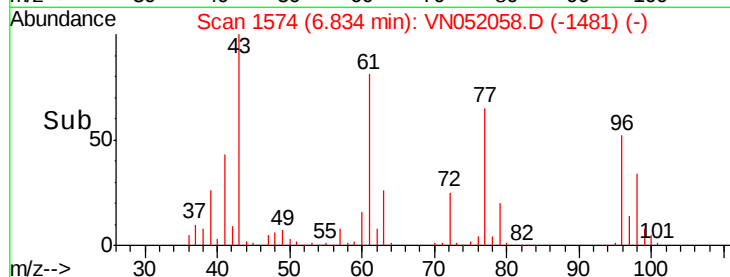
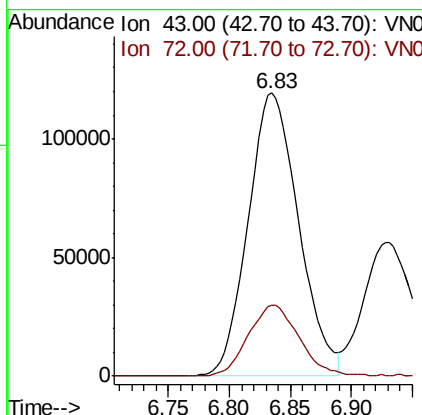
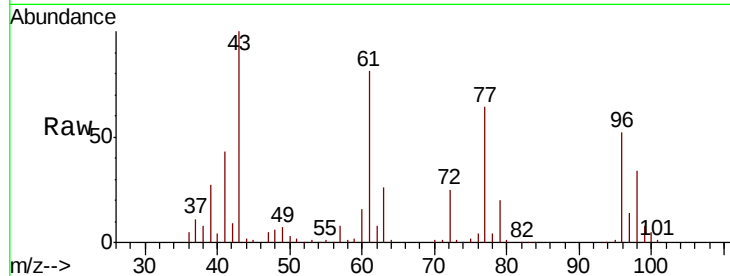
#25
2-Butanone
Concen: 271.874 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 341341
Ion Ratio Lower Upper
43 100
72 25.2 20.2 30.2

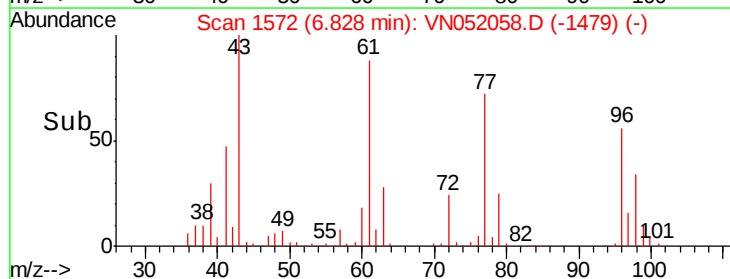
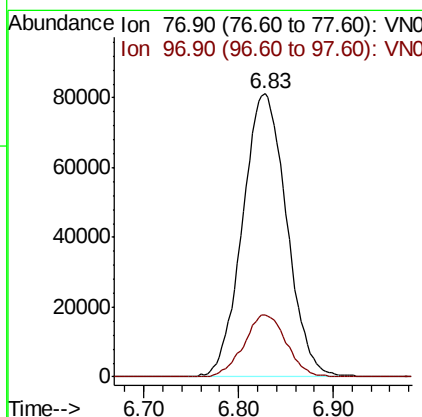
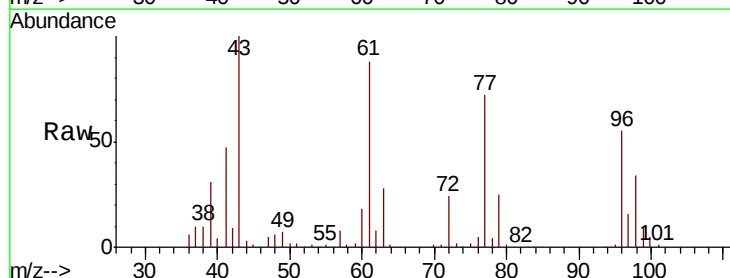
Manual Integrations
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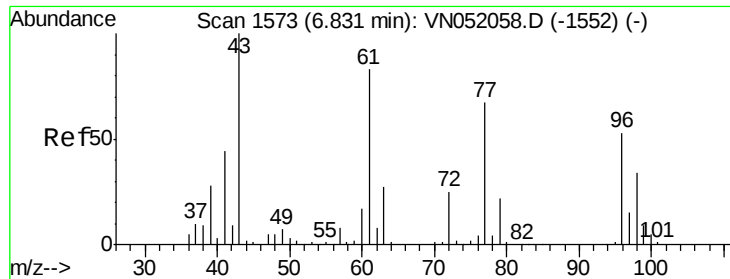
MMDadoda
11/1/2018 11:47:56 AM



#26
2,2-Dichloropropane
Concen: 51.775 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion: 77 Resp: 262754
Ion Ratio Lower Upper
77 100
97 21.0 10.5 31.5





#27

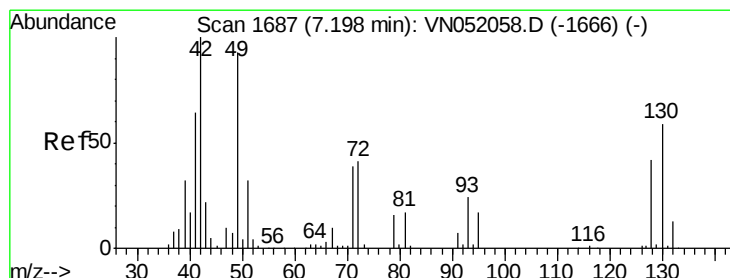
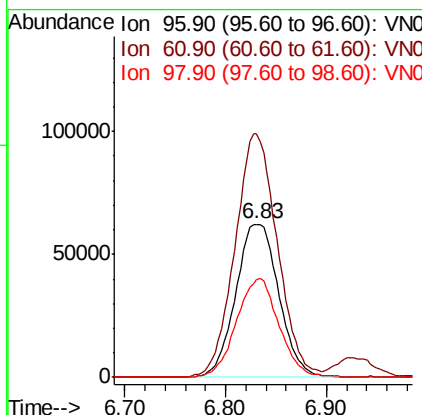
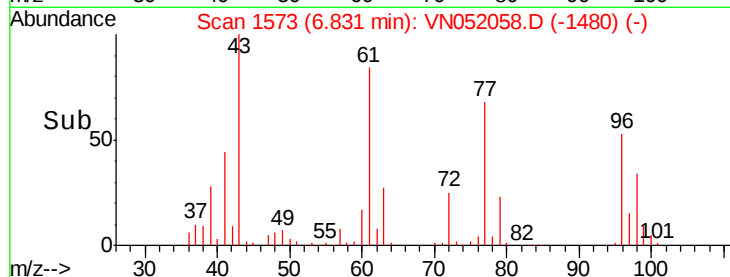
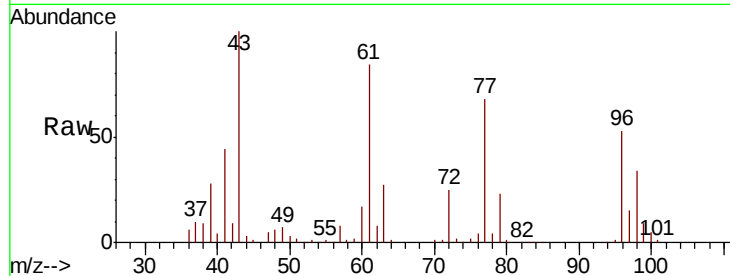
cis-1,2-Dichloroethene
Concen: 53.088 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	185189		
61	156.4	0.0	312.8	
98	63.5	0.0	127.0	

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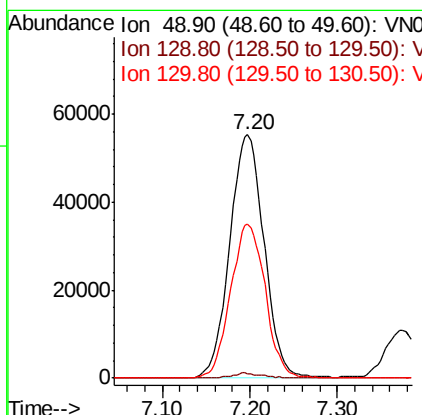
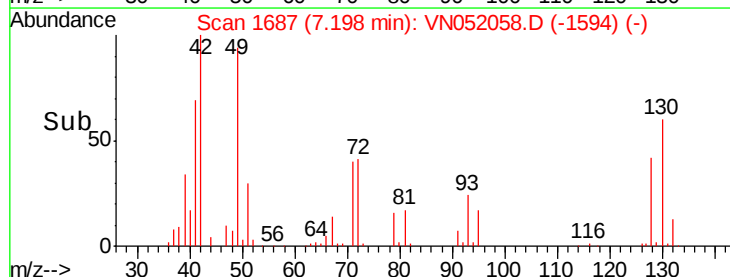
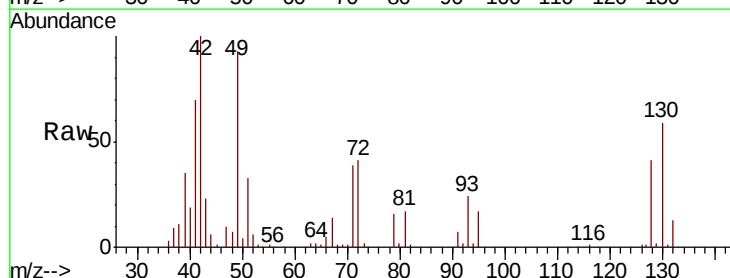
MMDadoda
11/1/2018 11:47:56 AM

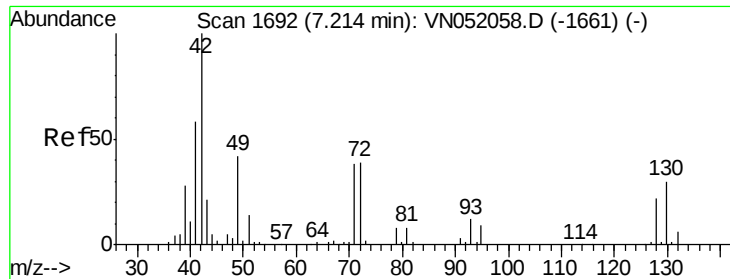


#28

Bromochloromethane
Concen: 44.421 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	151217		
129	1.2	0.0	2.4	
130	63.5	50.8	76.2	





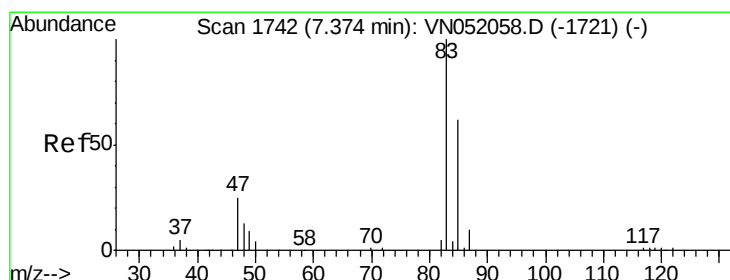
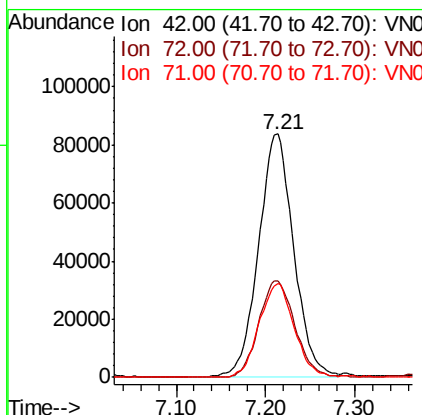
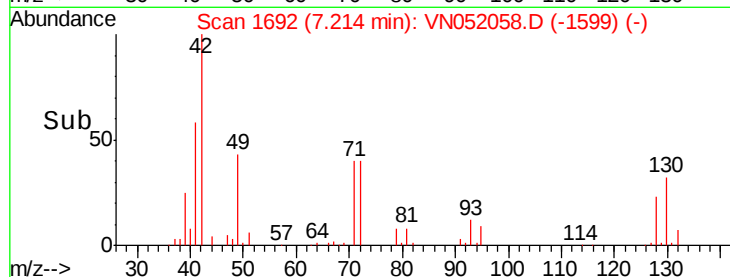
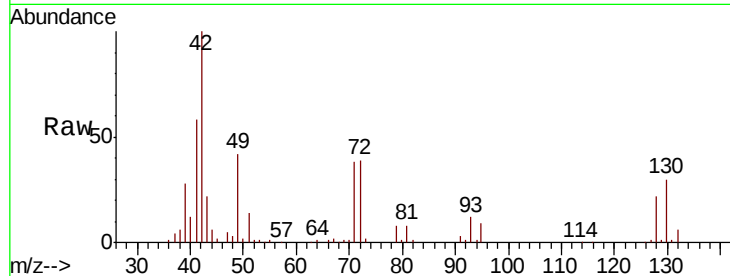
#29
Tetrahydrofuran
Concen: 257.603 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.5	48.7
71	38.3	30.6	46.0

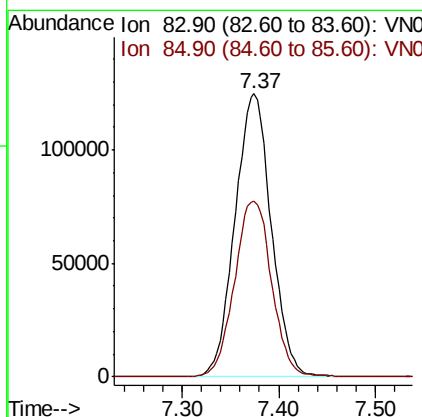
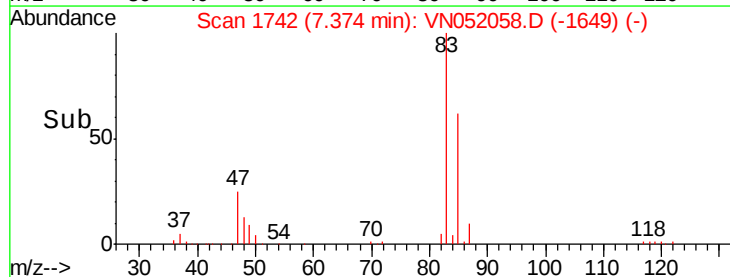
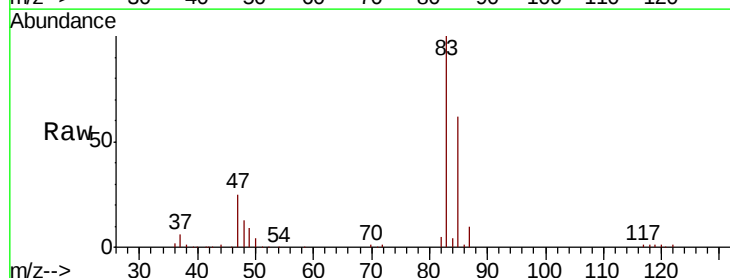
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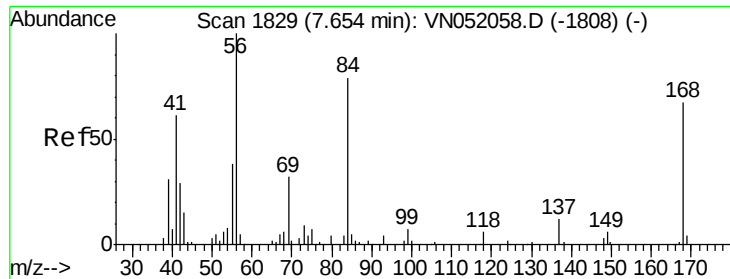
MMDadoda
11/1/2018 11:47:56 AM



#30
Chloroform
Concen: 51.206 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	49.6	74.4





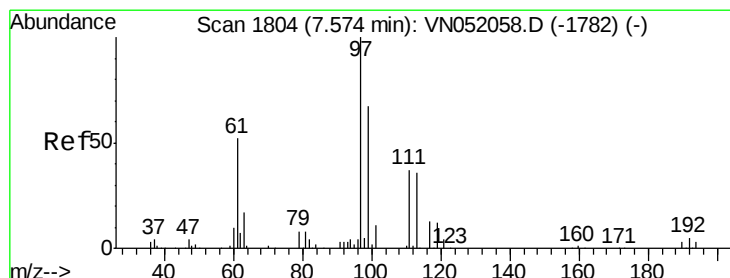
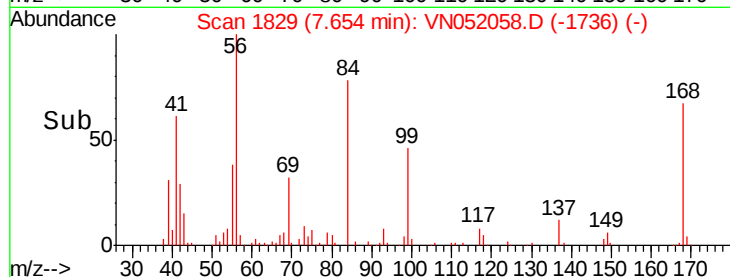
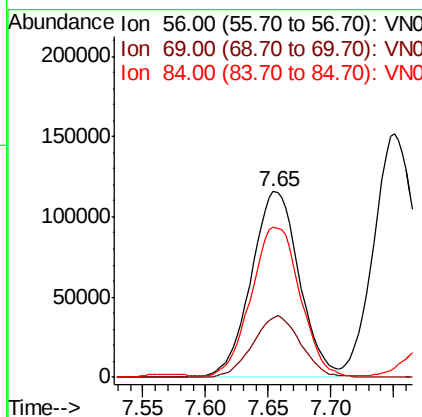
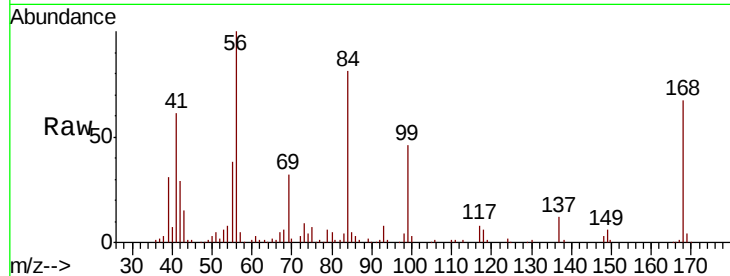
#31
Cyclohexane
Concen: 31.310 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.8	38.6
84	79.4	63.5	95.3

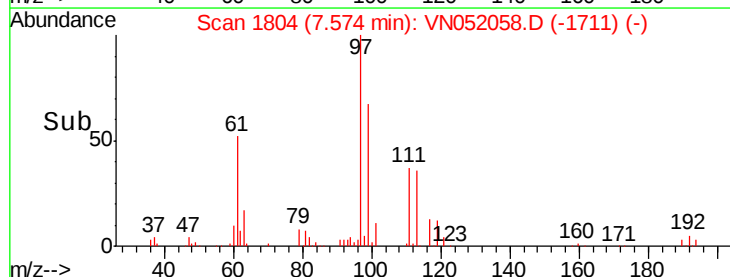
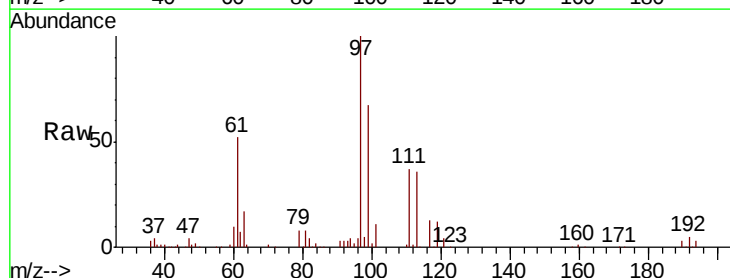
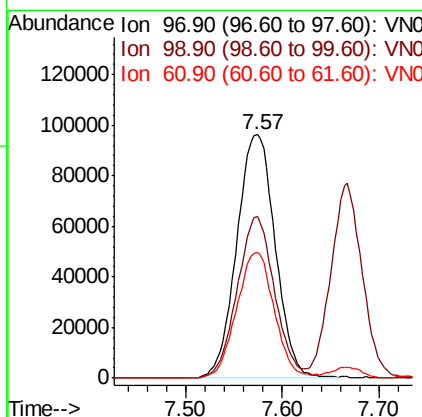
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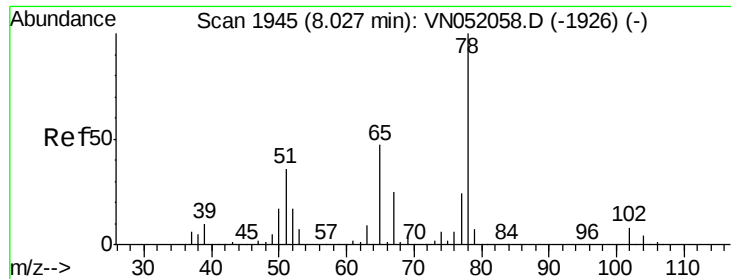
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11/1/2018 11:47:56 AM



#32
1,1,1-Trichloroethane
Concen: 55.209 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	50.4	40.3	60.5





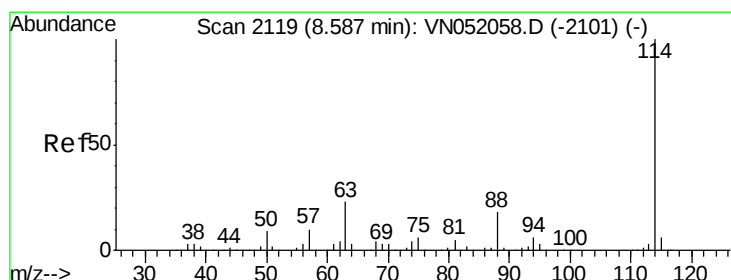
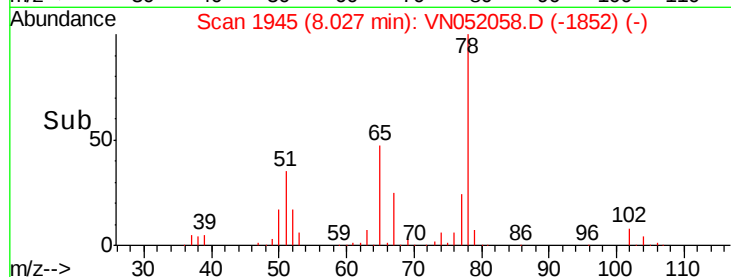
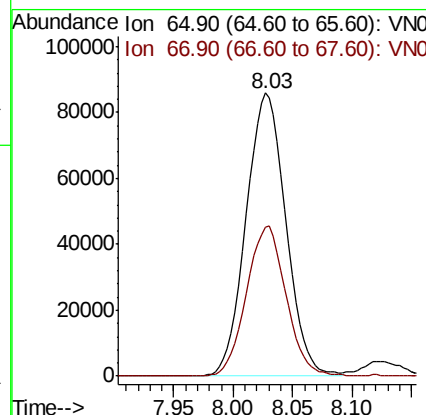
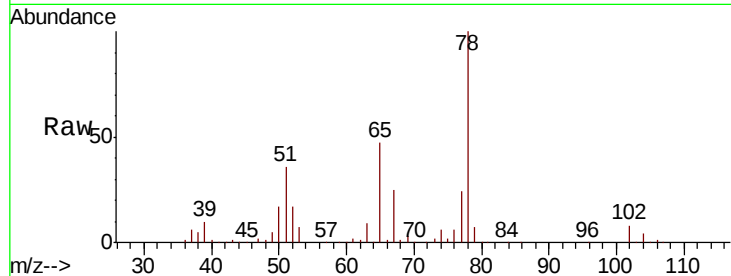
#33
 1,2-Dichloroethane-d4
 Concen: 55.209 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199402		
67	52.6	0.0	105.2	

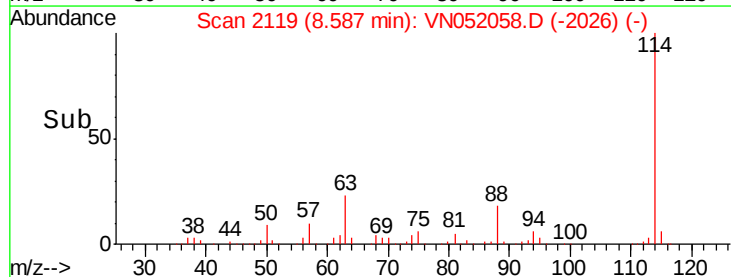
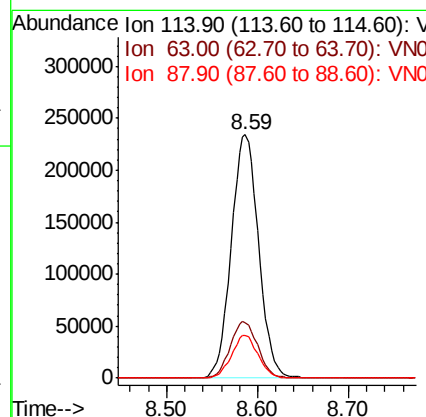
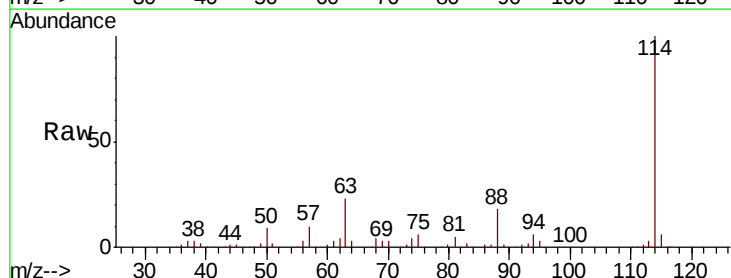
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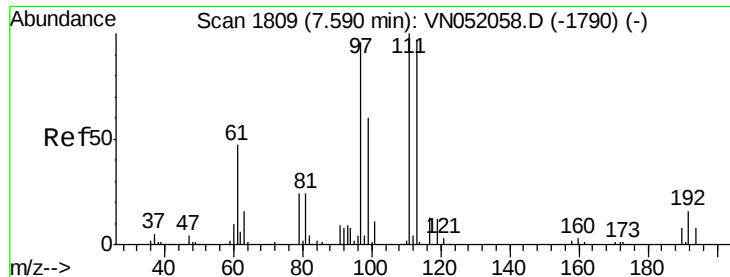
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 11/1/2018 11:47:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	488469		
63	23.0	0.0	46.0	
88	17.7	0.0	35.4	





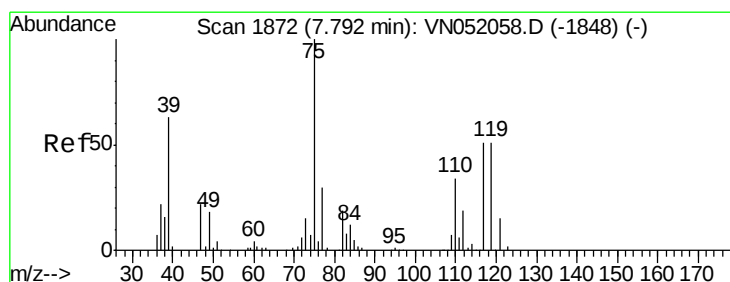
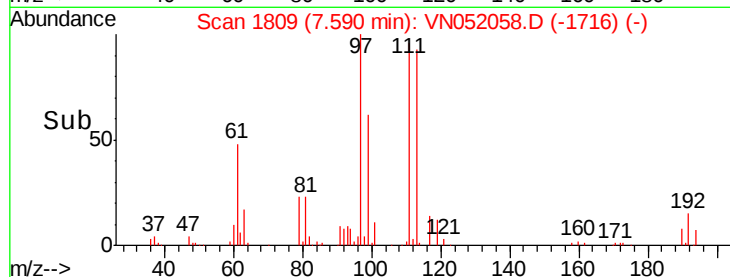
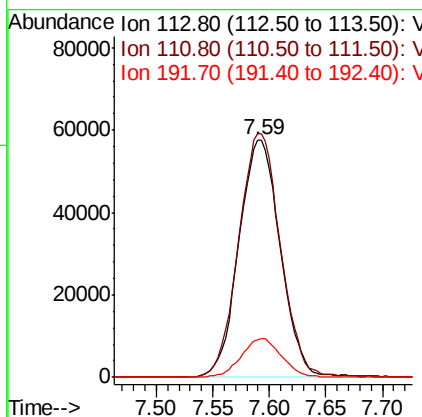
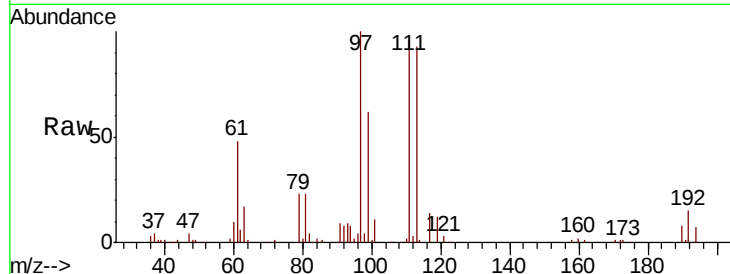
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146390		
111	103.9	83.1	124.7	
192	15.9	12.7	19.1	

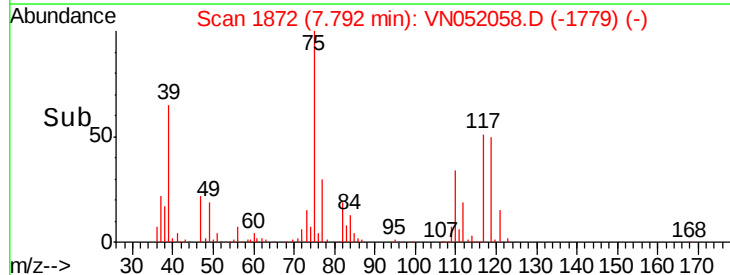
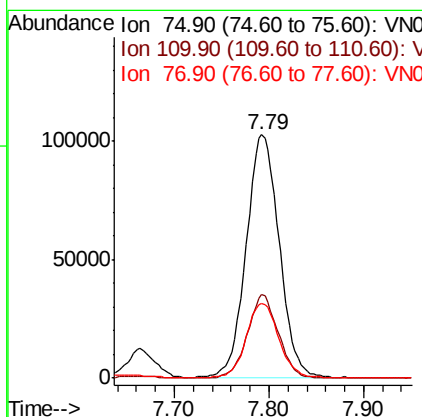
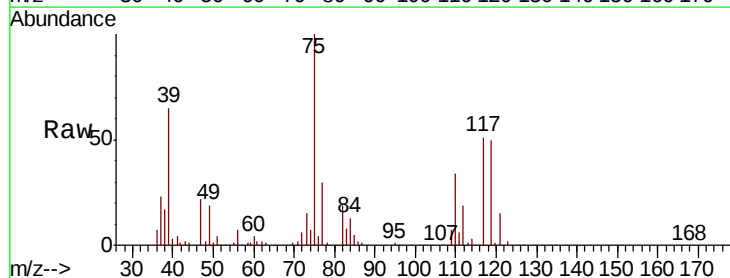
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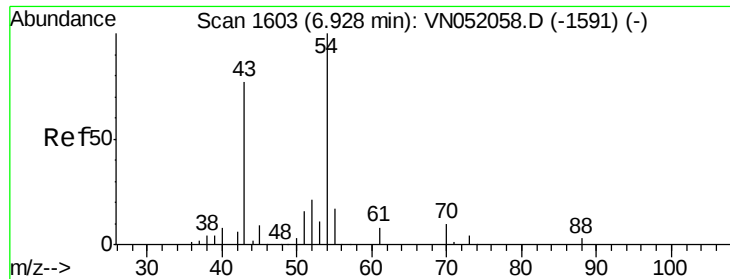
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#36
1,1-Dichloropropene
Concen: 51.194 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	248317		
110	32.0	16.0	48.0	
77	30.6	24.5	36.7	





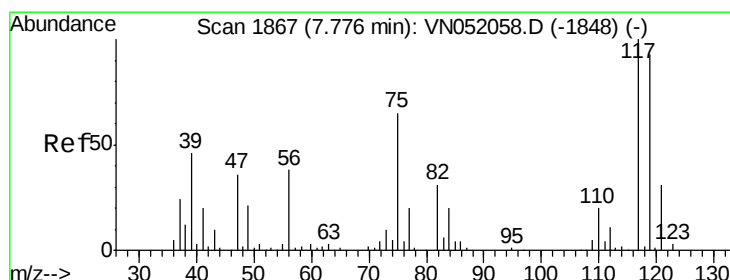
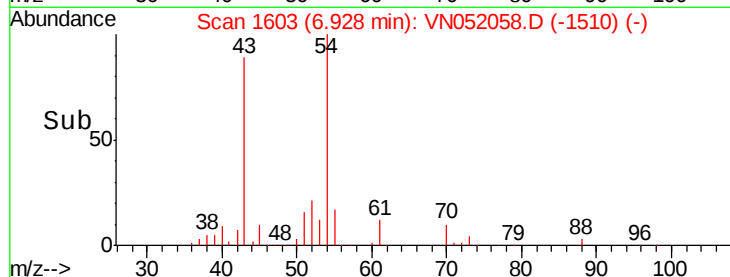
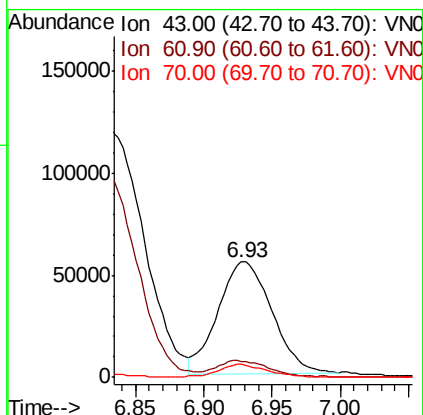
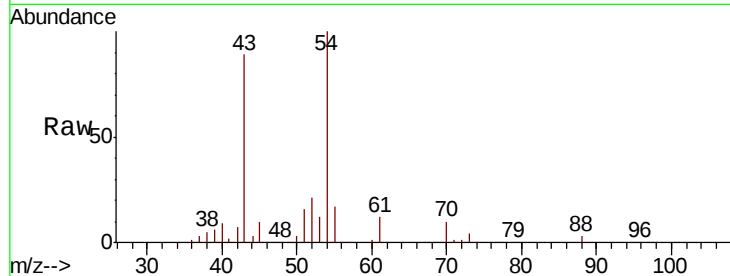
#37
Ethyl Acetate
Concen: 52.173 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.6	10.9	16.3	
70	10.7	8.6	12.8	

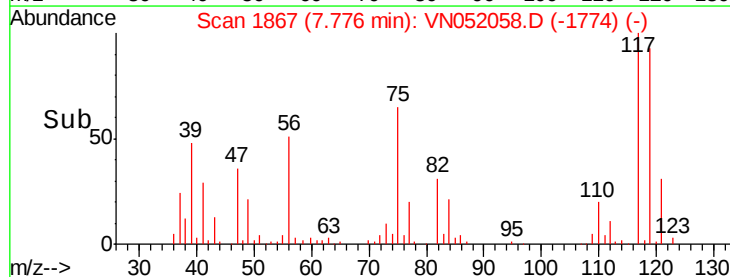
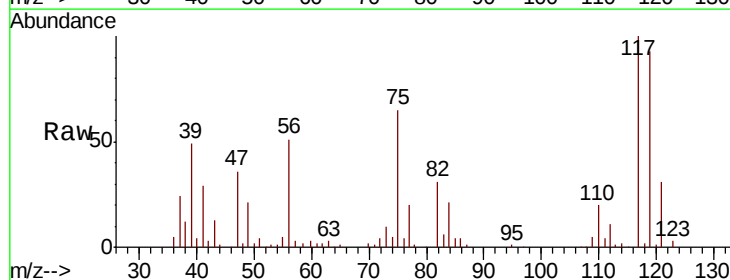
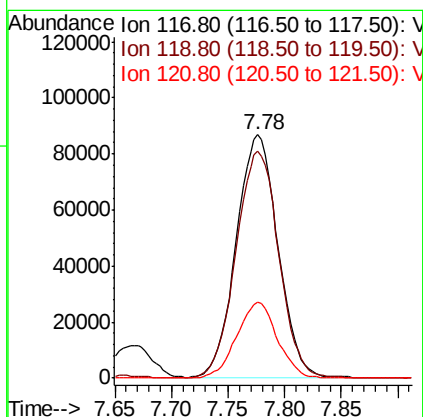
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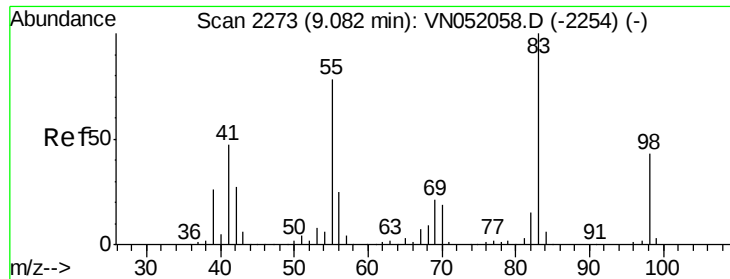
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11/1/2018 11:47:56 AM



#38
Carbon Tetrachloride
Concen: 54.823 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.5	74.8	112.2	
121	31.4	25.1	37.7	





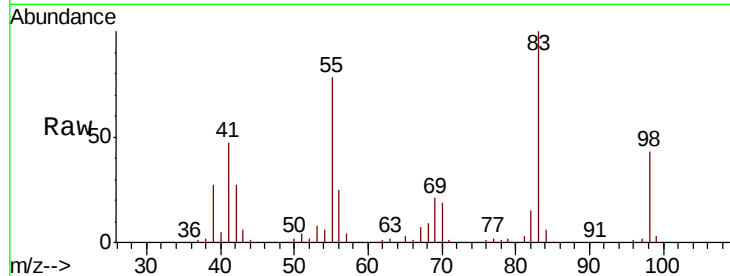
#39
Methvlcvclohexane
Concen: 53.058 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

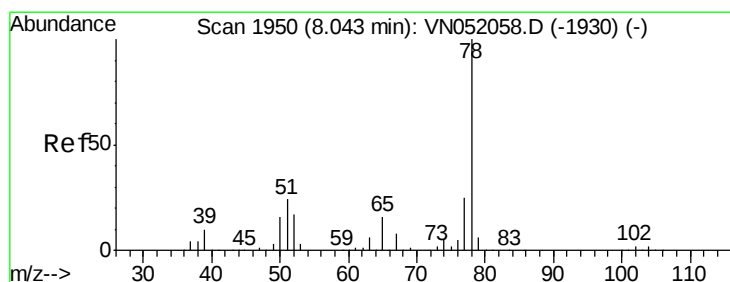
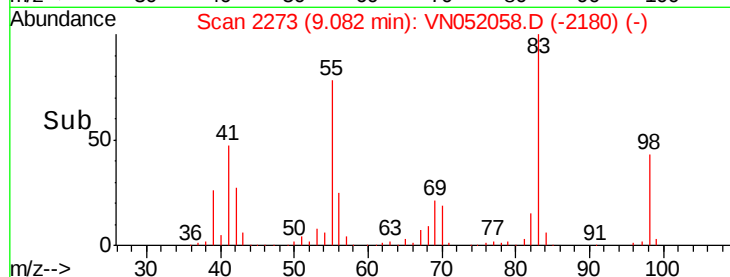
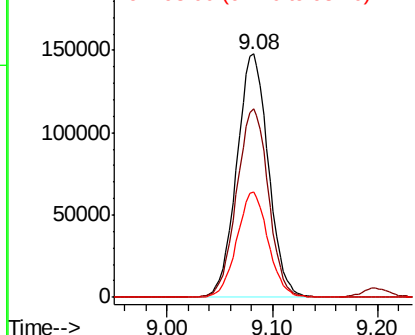
Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	62.0	93.0
98	43.4	34.7	52.1

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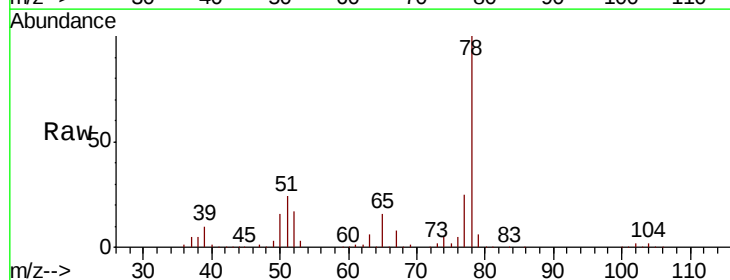


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

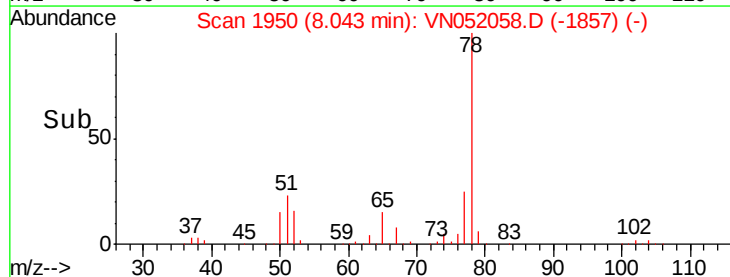
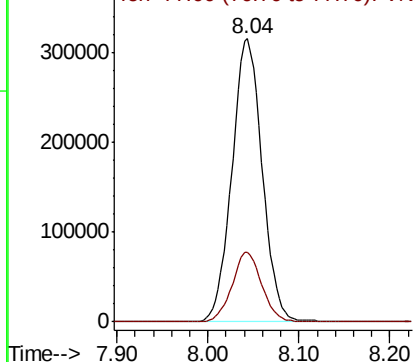


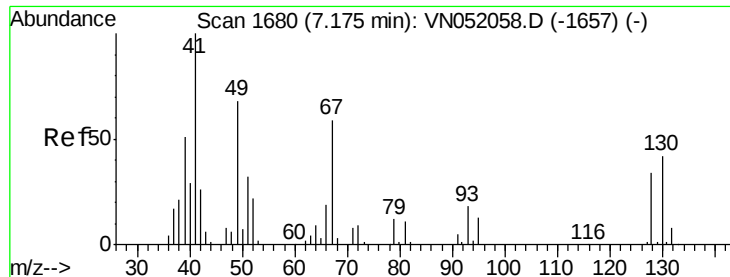
#40
Benzene
Concen: 53.250 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.8	29.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





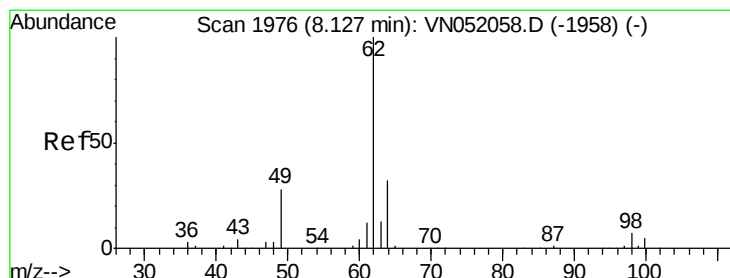
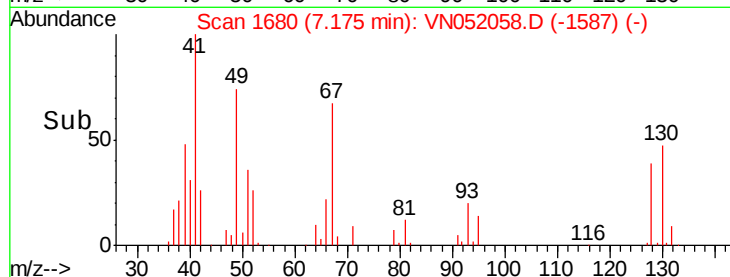
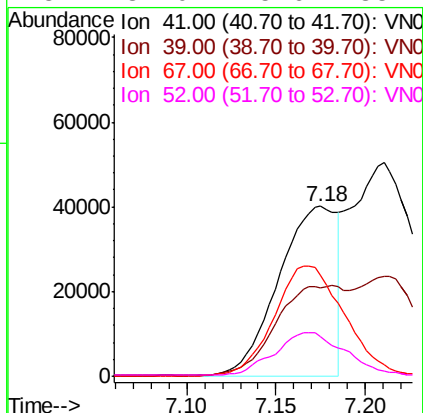
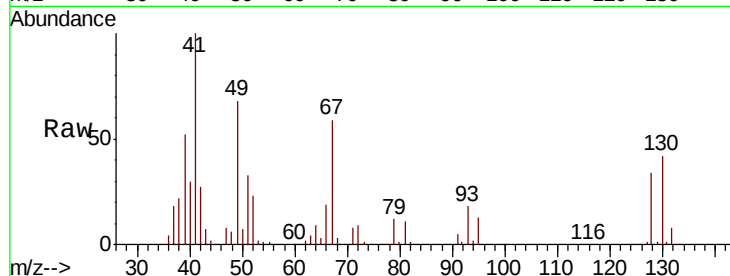
#41
Methacrylonitrile
Concen: 82.463 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	41.5	33.2	49.8
67	79.4	63.5	95.3
52	32.0	25.6	38.4

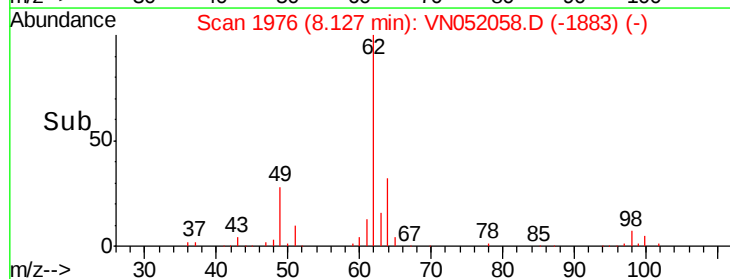
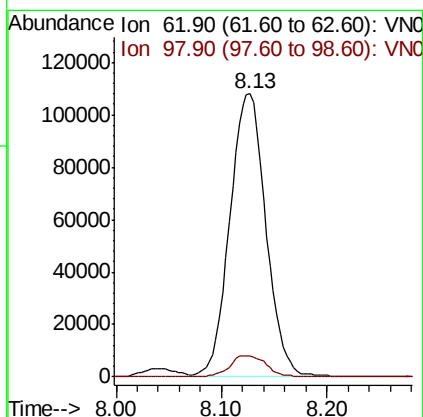
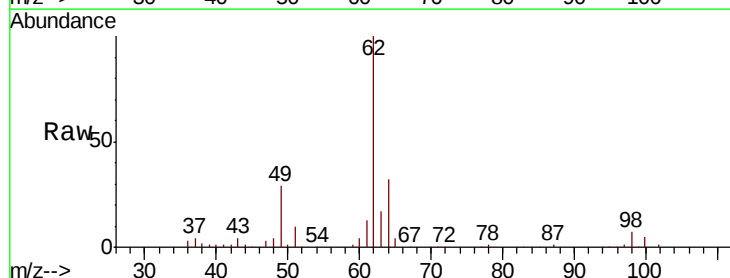
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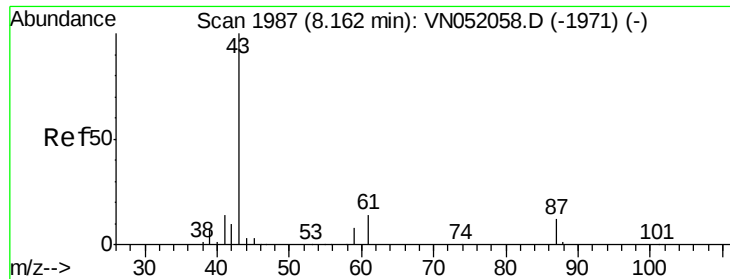
MMDadoda
11/1/2018 11:47:56 AM



#42
1,2-Dichloroethane
Concen: 46.878 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43

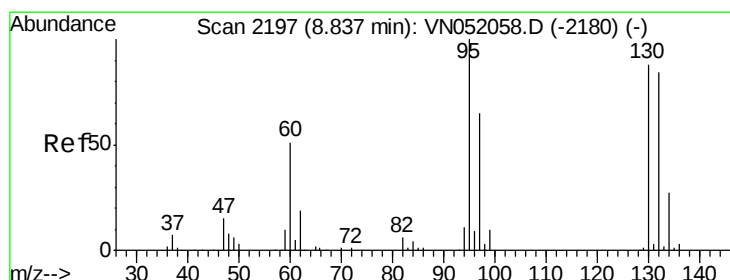
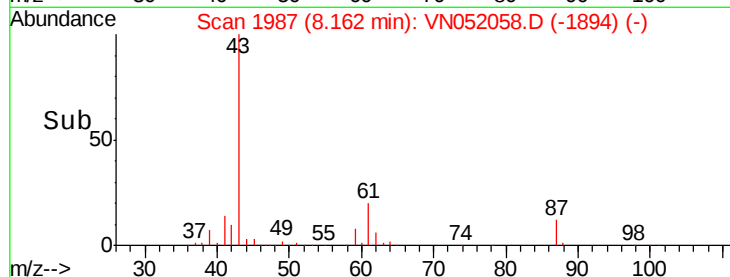
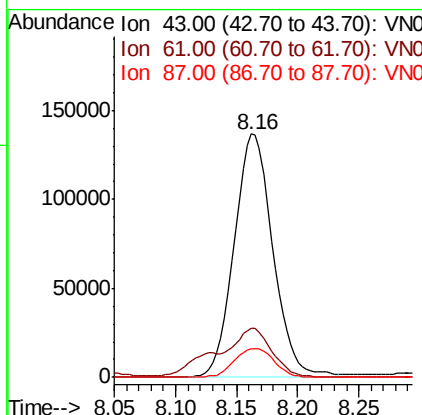
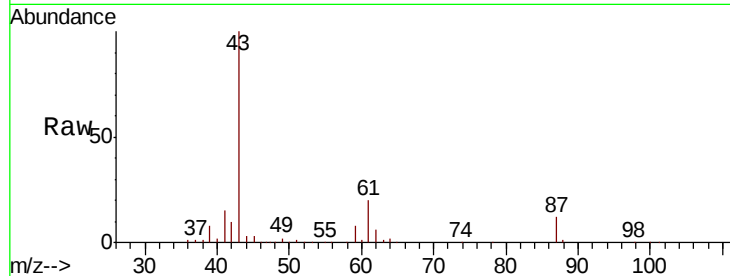
Isopropyl Acetate
 Concen: 53.439 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	43	Resp	299151
Ion Ratio	Lower	Upper	
43	100		
61	19.2	15.4	23.0
87	12.3	9.8	14.8

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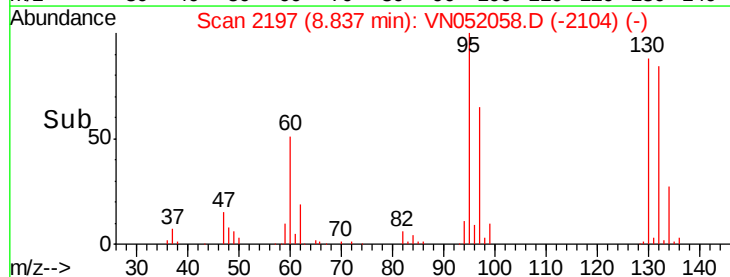
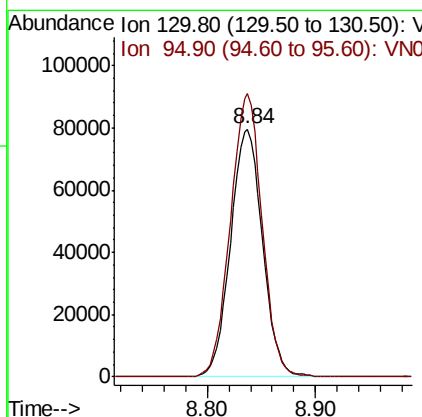
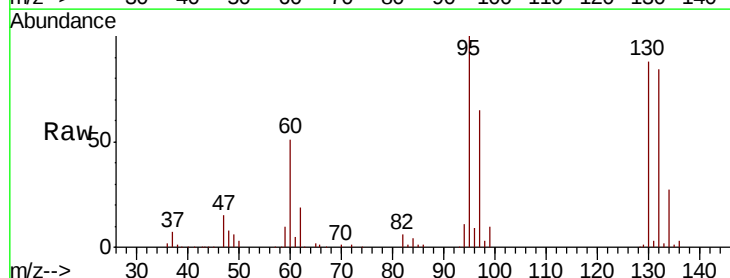
MMDadoda
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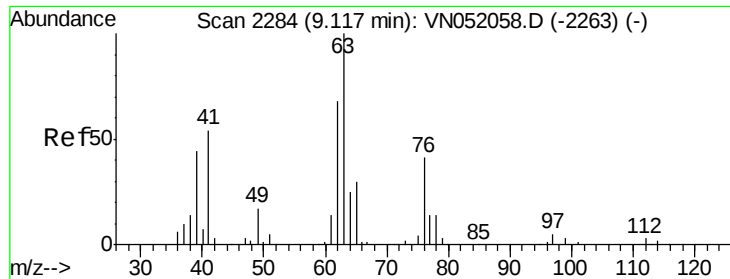


#44

Trichloroethene
 Concen: 54.227 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Tgt Ion	130	Resp	163781
Ion Ratio	Lower	Upper	
130	100		
95	114.2	0.0	228.4





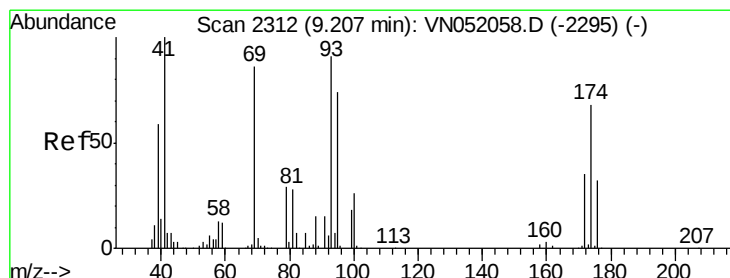
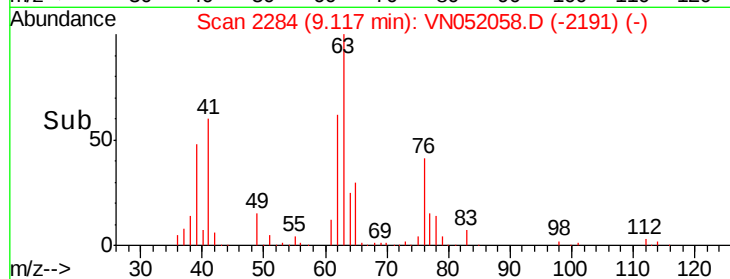
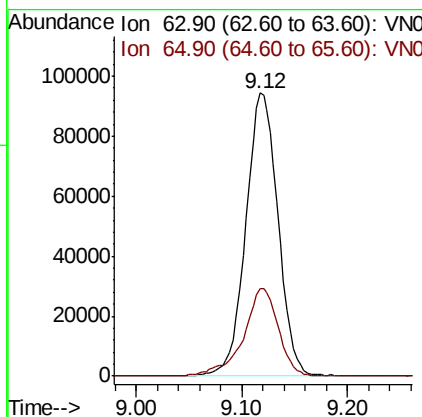
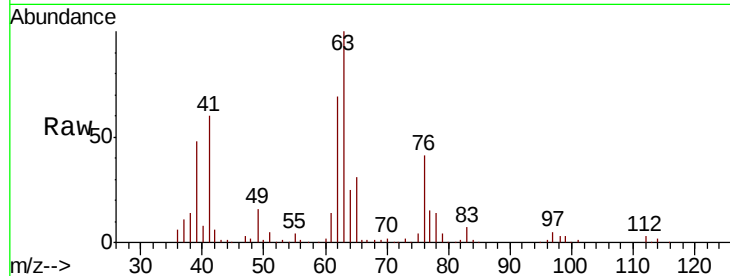
#45
 1,2-Dichloropropane
 Concen: 48.282 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 63 Resp: 200446
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.5 36.7

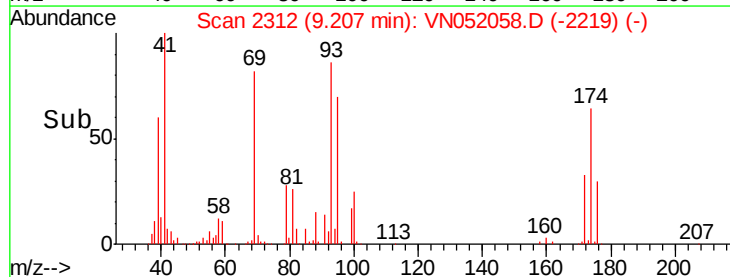
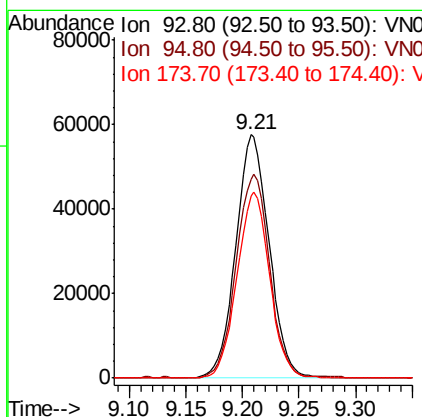
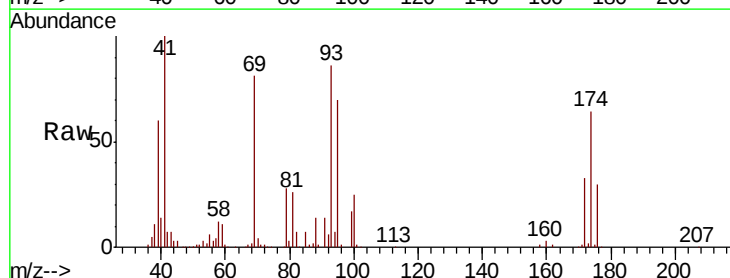
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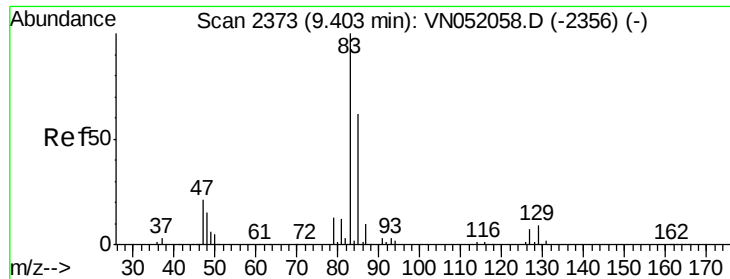
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#46
 Dibromomethane
 Concen: 55.926 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Tgt Ion: 93 Resp: 118476
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.2 100.8
 174 74.6 59.7 89.5





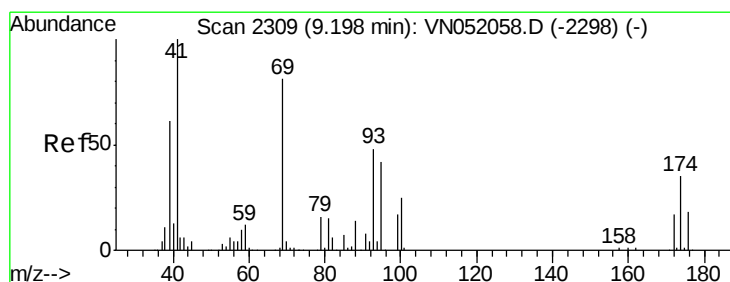
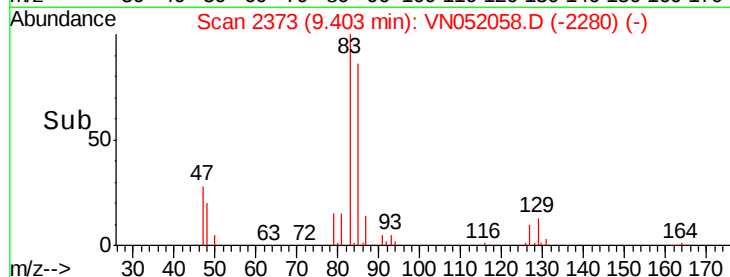
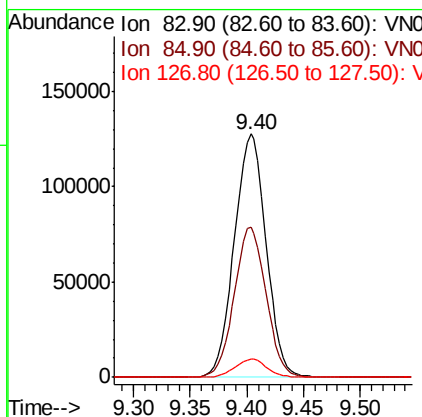
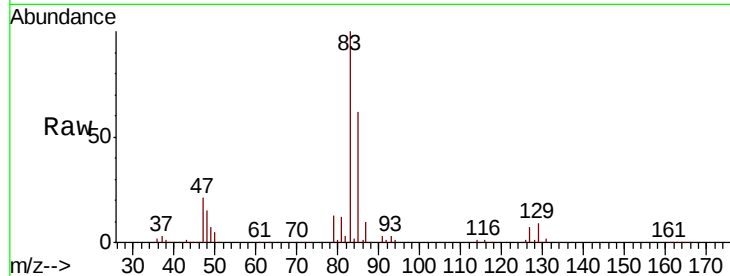
#47
Bromodichloromethane
Concen: 56.594 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	250295		
85	61.8		49.4	74.2
127	7.3		5.8	8.8

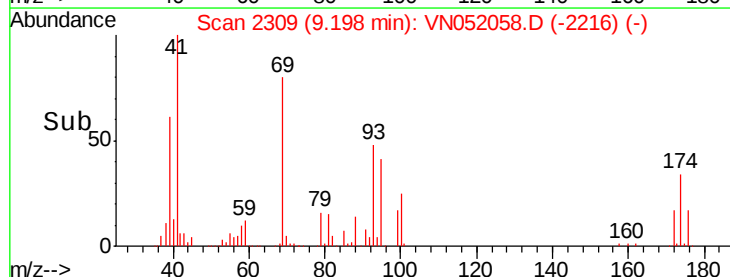
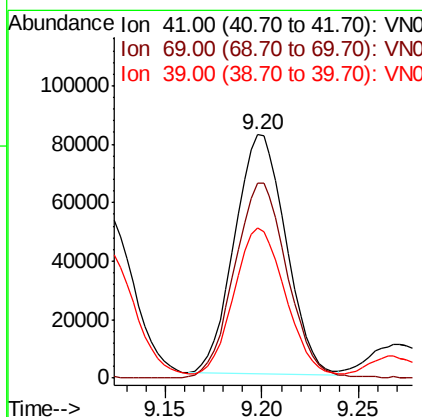
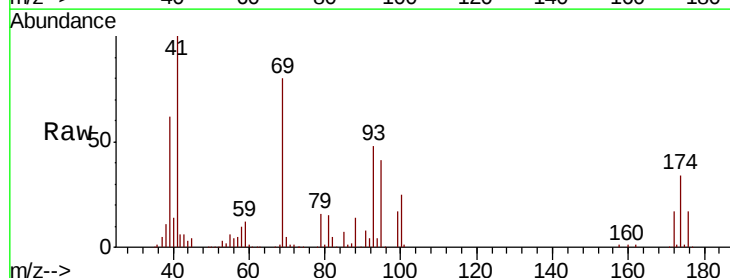
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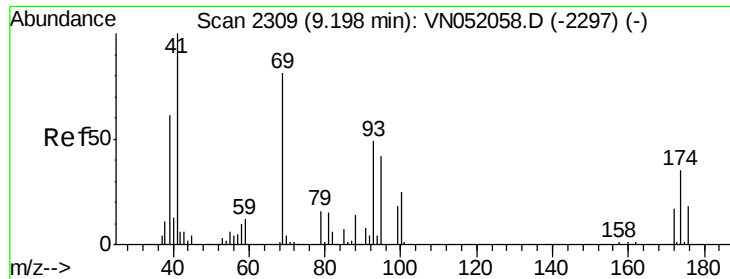
MMDadoda
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#48
Methyl methacrylate
Concen: 53.538 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	151483		
69	83.9		67.1	100.7
39	63.1		50.5	75.7





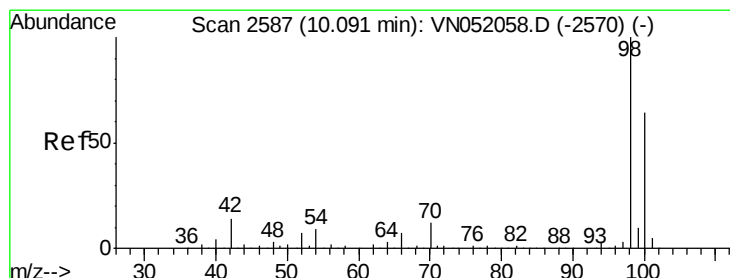
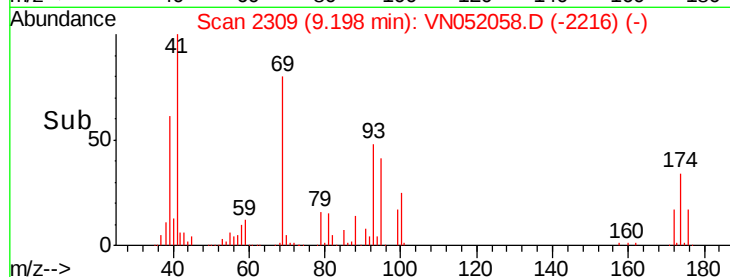
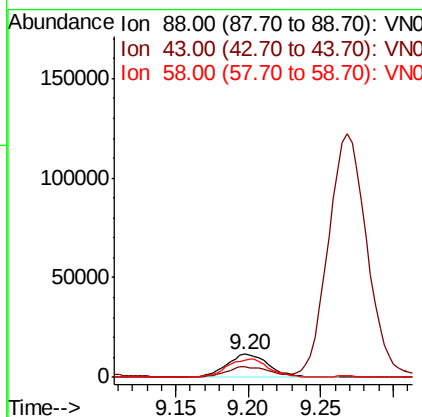
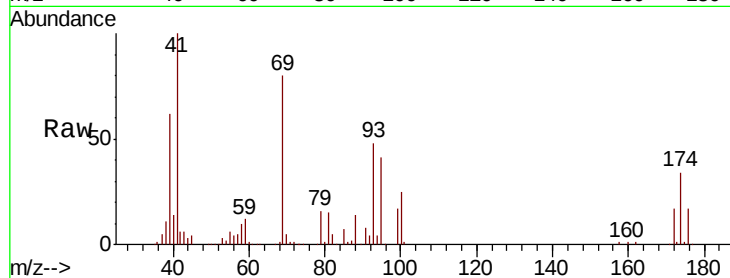
#49
1,4-Dioxane
Concen: 1699.099 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.6	34.1	51.1
58	78.5	62.8	94.2

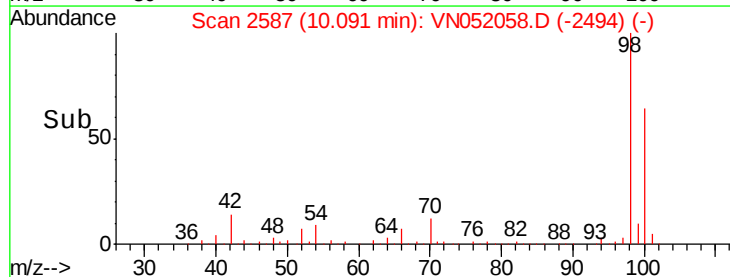
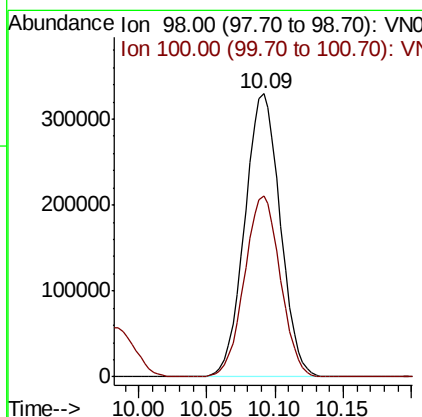
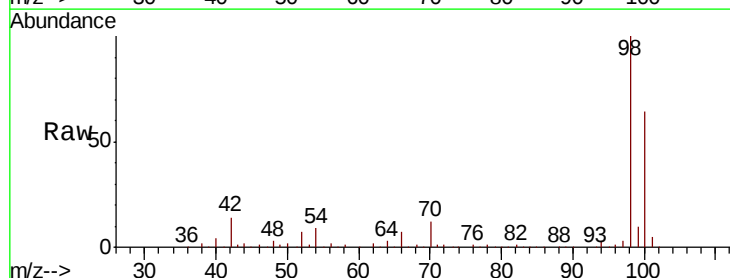
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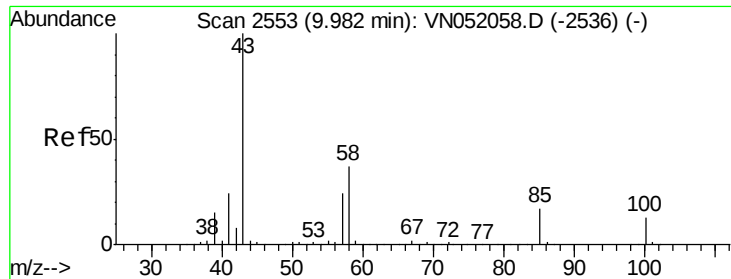
MMDadoda
11/1/2018 11:47:56 AM



#50
Toluene-d8
Concen: 1699.099 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 270.005 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 819382

Ion Ratio Lower Upper

43 100

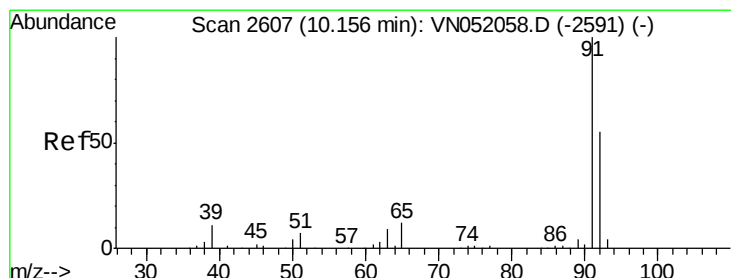
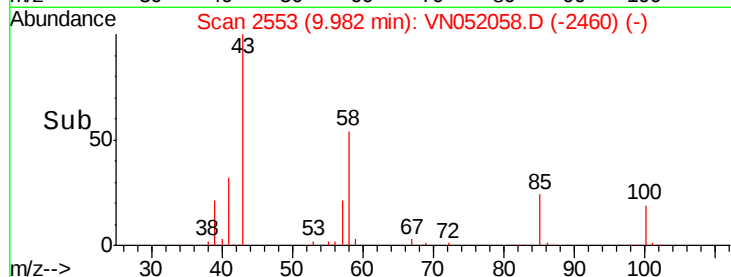
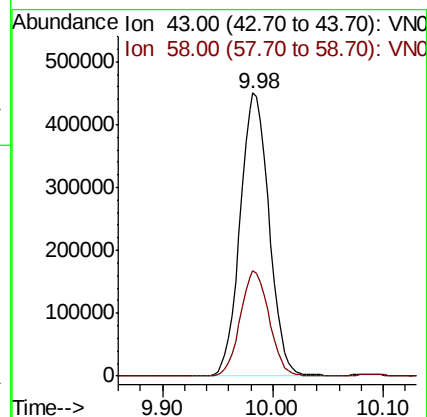
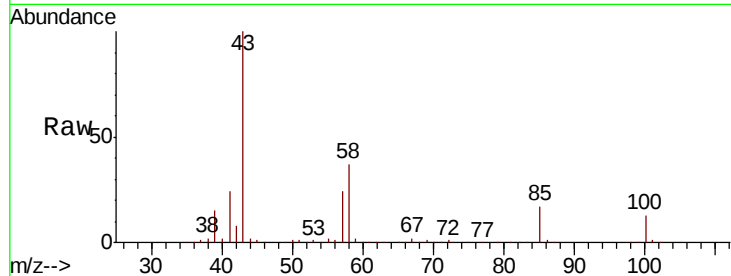
58 37.1 29.7 44.5

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11/1/2018 11:47:56 AM



#52

Toluene

Concen: 54.194 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052058.D

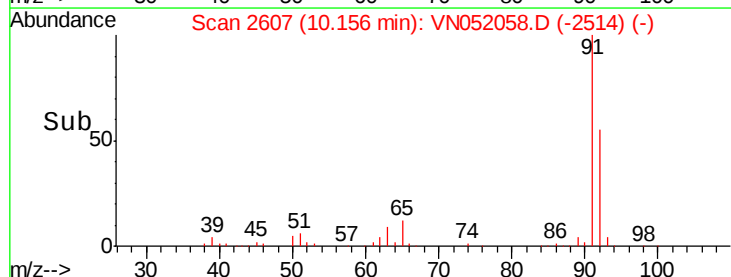
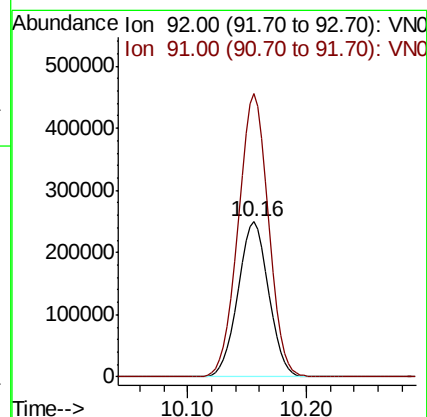
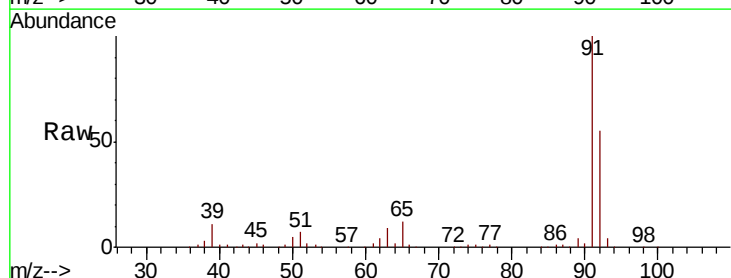
Acq: 30 Oct 2018 10:45

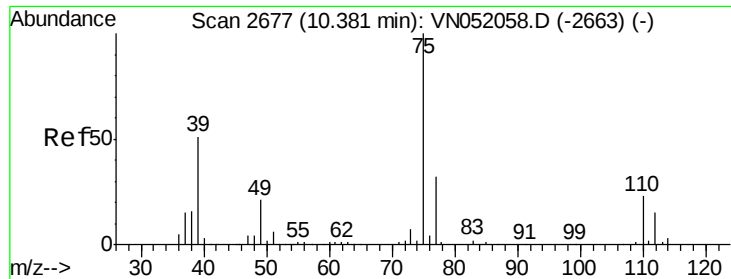
Tgt Ion: 92 Resp: 446412

Ion Ratio Lower Upper

92 100

91 179.9 143.9 215.9





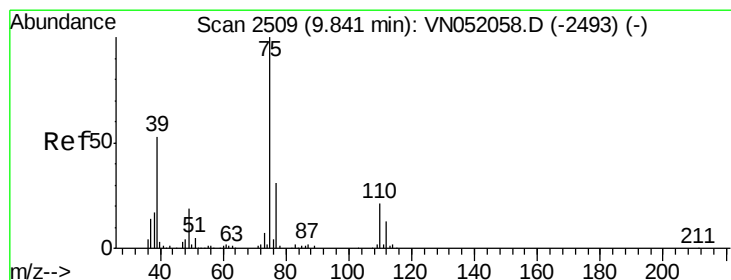
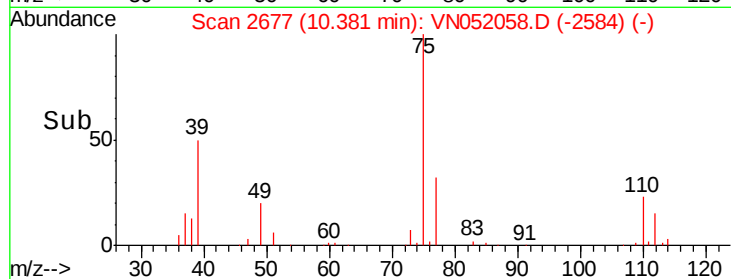
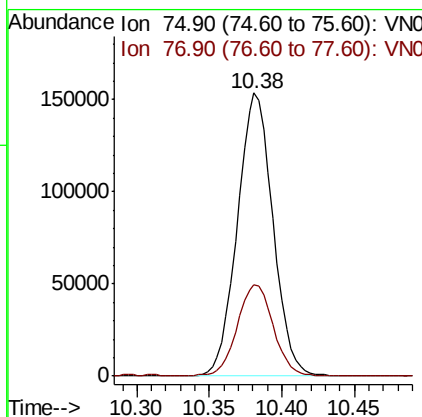
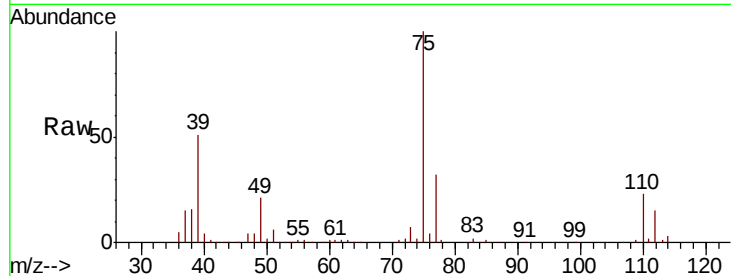
#53
t-1,3-Dichloropropene
Concen: 55.233 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4

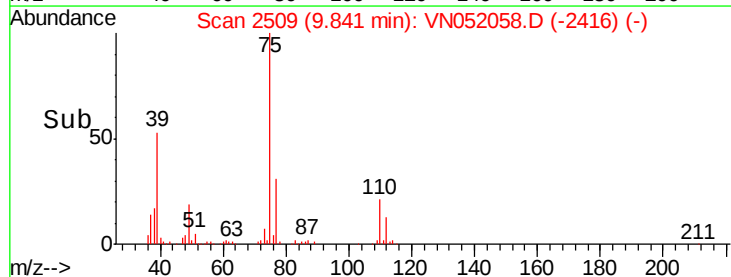
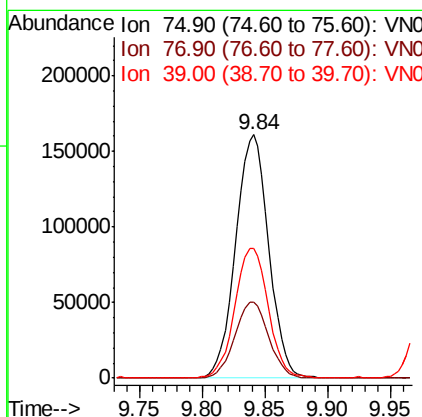
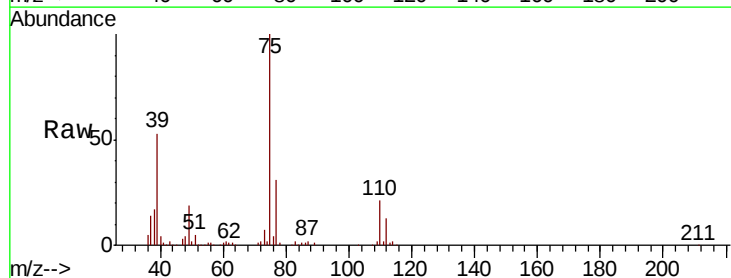
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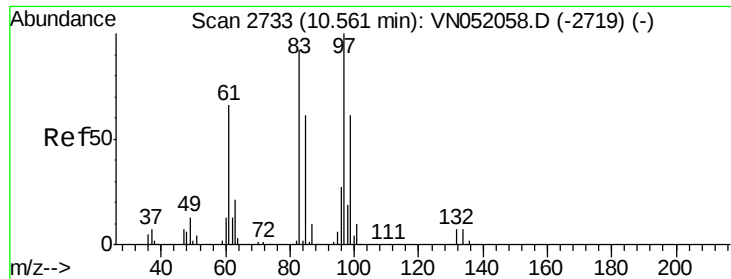
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11/1/2018 11:47:56 AM



#54
cis-1,3-Dichloropropene
Concen: 57.498 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	52.9	42.3	63.5





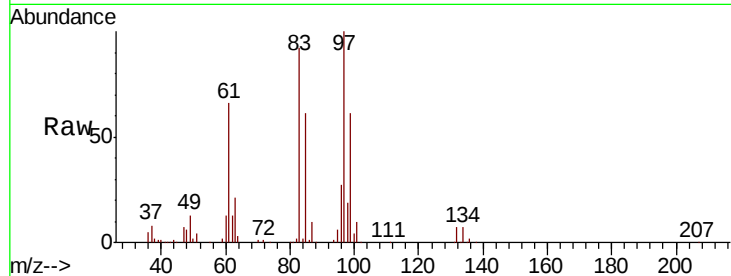
#55
 1,1,2-Trichloroethane
 Concen: 53.728 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

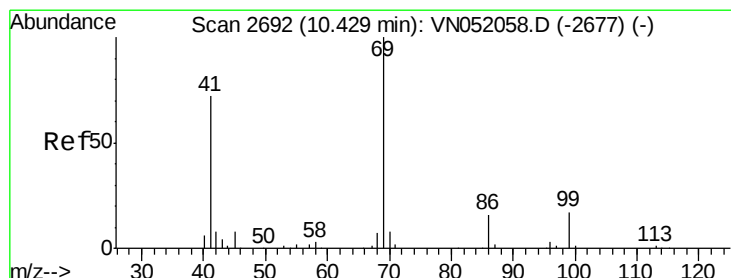
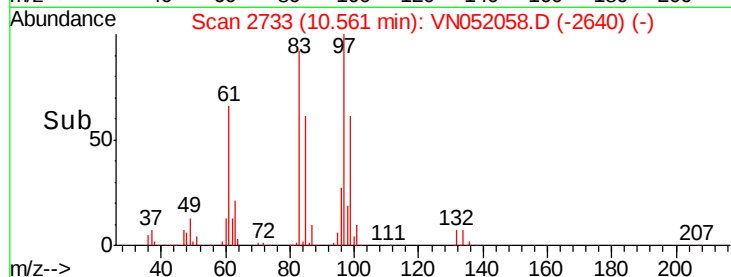
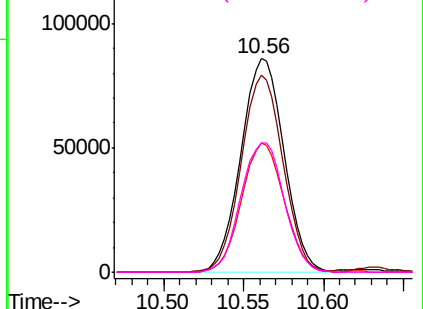
Tot Ion:	97	Resp:	158329
Ion	Ratio	Lower	Upper
97	100		
83	92.3	73.8	110.8
85	60.5	48.4	72.6
99	60.7	48.6	72.8

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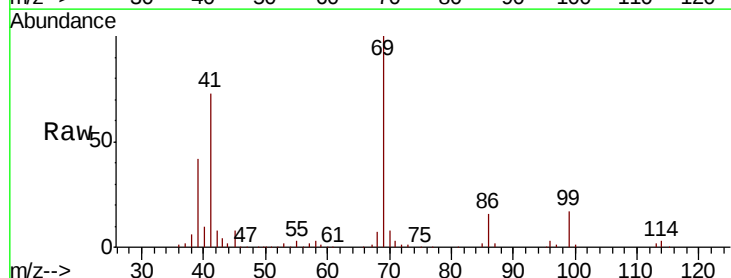


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

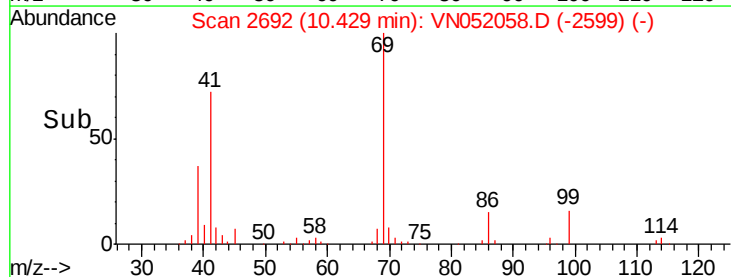
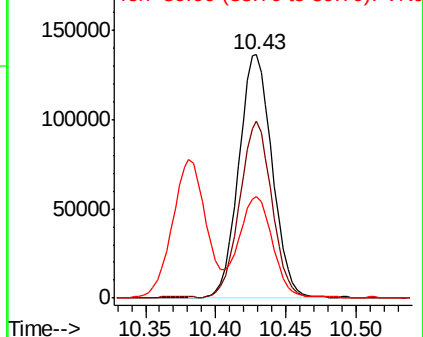


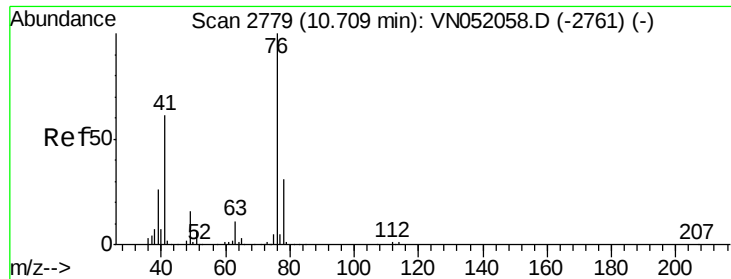
#56
 Ethyl methacrylate
 Concen: 52.717 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Tgt Ion:	69	Resp:	227296
Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.5	83.3
39	41.2	33.0	49.4



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





#57

1,3-Dichloropropane

Concen: 52.959 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 287114

Ion Ratio Lower Upper

76 100

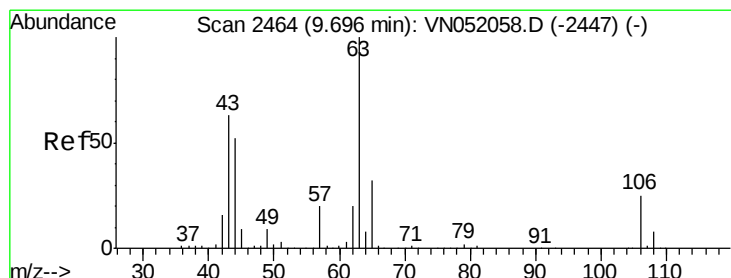
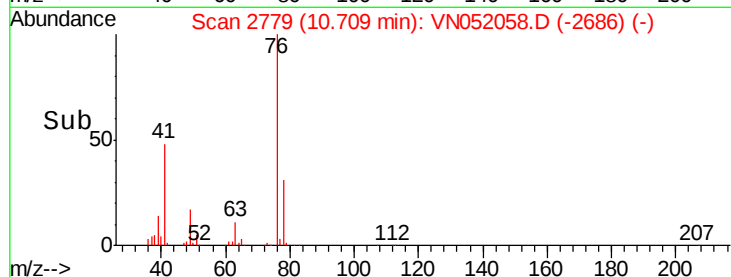
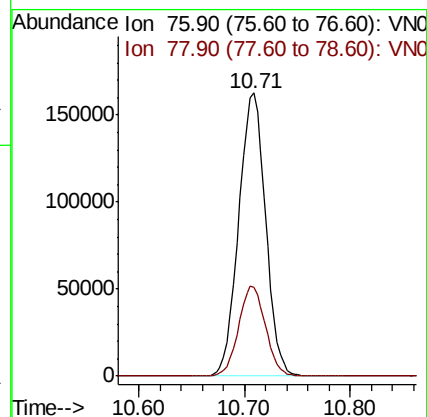
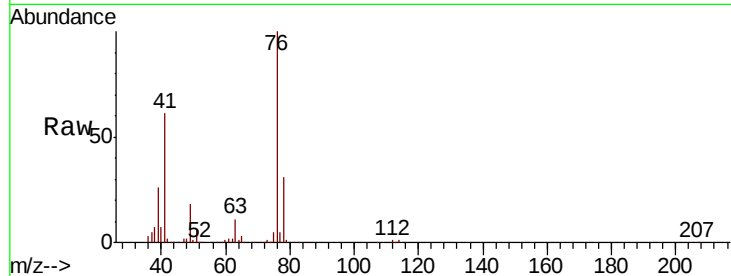
78 31.7 25.4 38.0

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11/1/2018 11:47:56 AM



#58

2-Chloroethyl Vinyl ether

Concen: 273.470 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052058.D

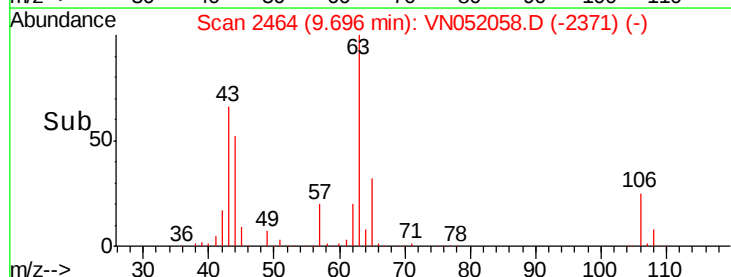
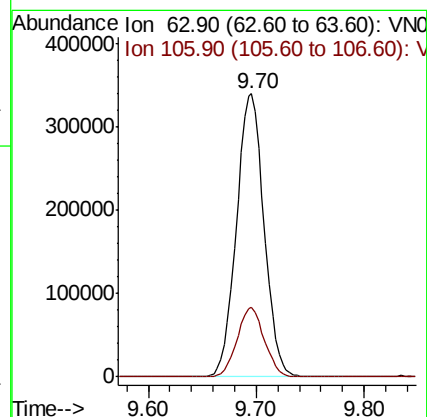
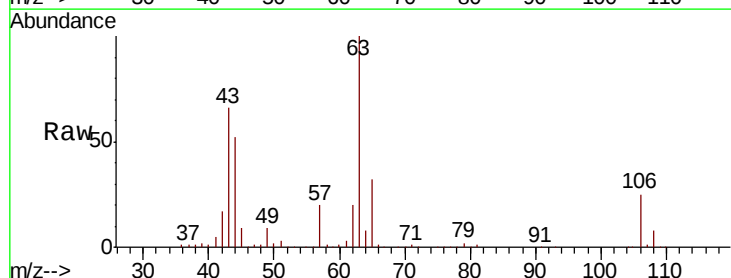
Acq: 30 Oct 2018 10:45

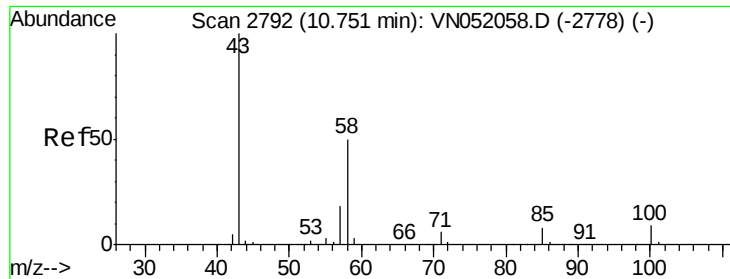
Tgt Ion: 63 Resp: 604067

Ion Ratio Lower Upper

63 100

106 24.3 19.4 29.2





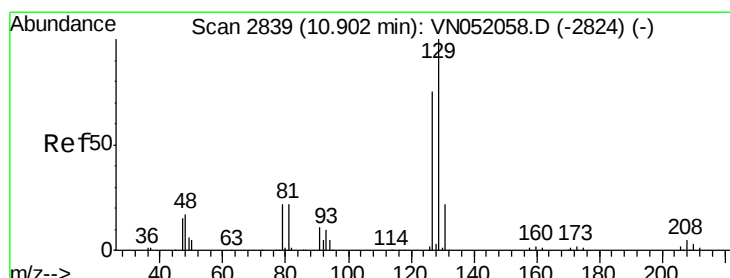
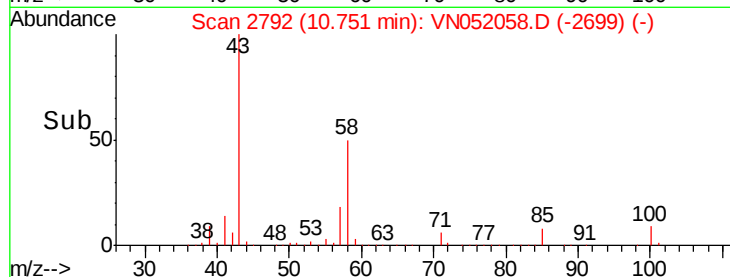
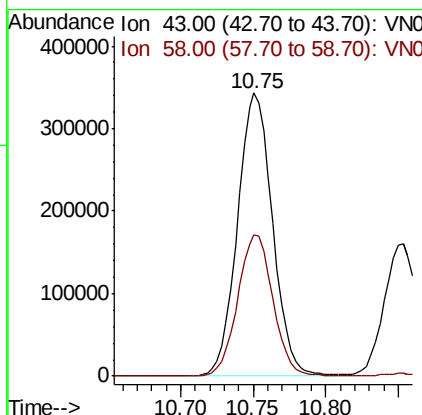
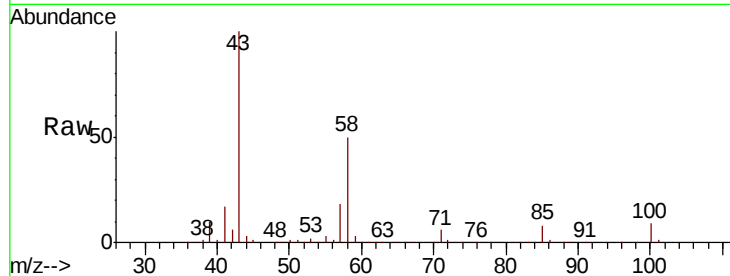
#59
2-Hexanone
Concen: 263.217 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 573675
Ion Ratio Lower Upper
43 100
58 50.4 25.2 75.6

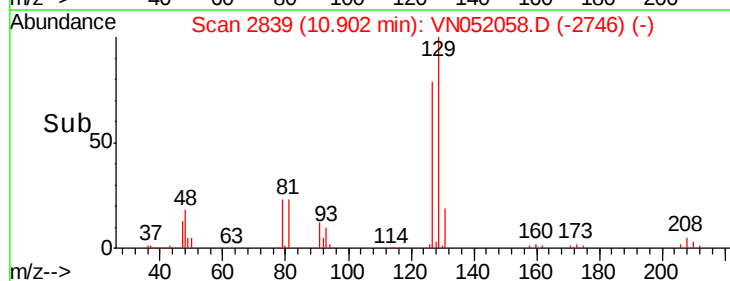
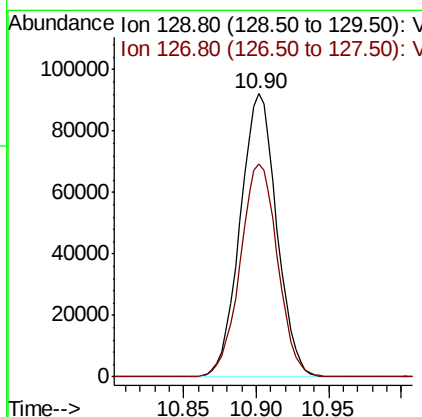
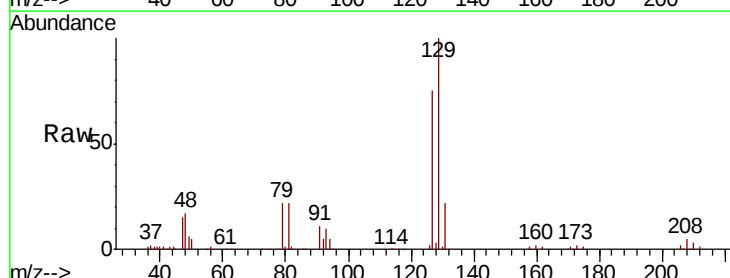
Manual Integrations
APPROVED

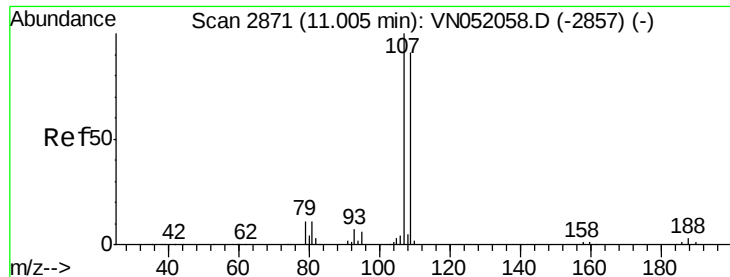
MMDadoda
11/1/2018 11:47:56 AM



#60
Dibromochloromethane
Concen: 57.723 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion: 129 Resp: 161724
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





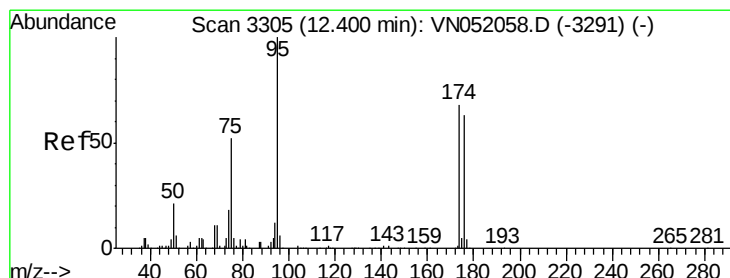
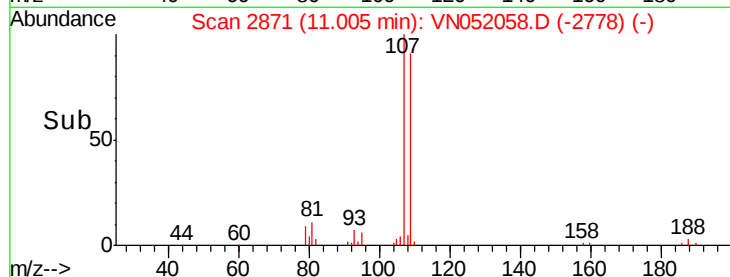
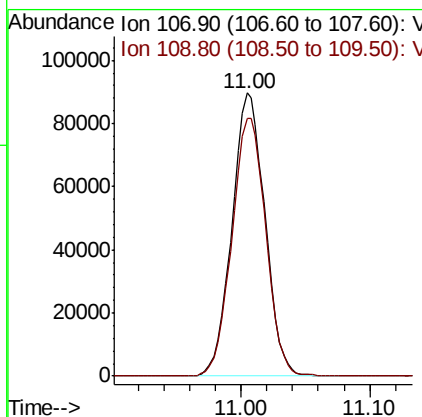
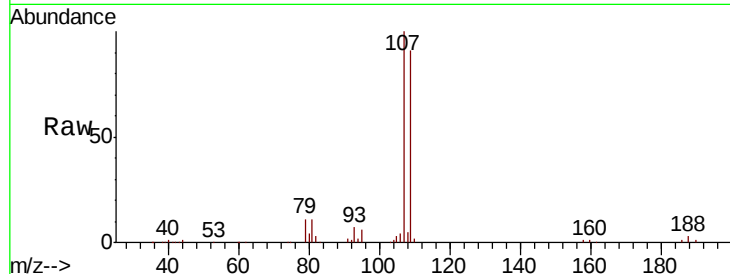
#61
 1,2-Dibromoethane
 Concen: 54.255 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 158686
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.1 112.7

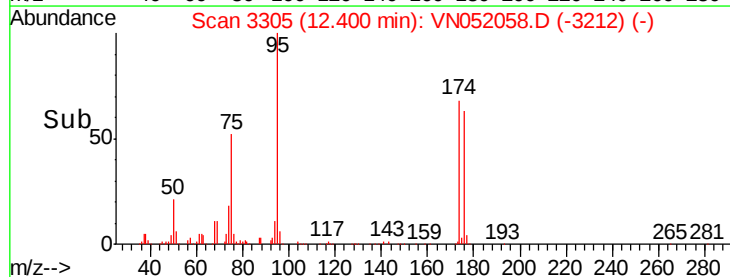
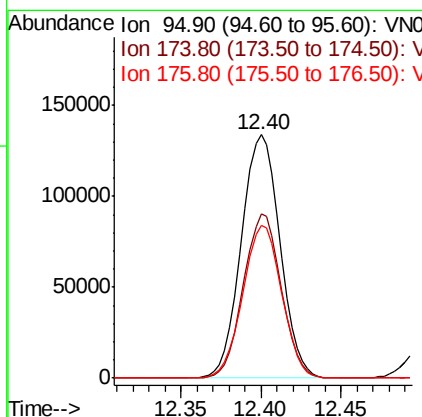
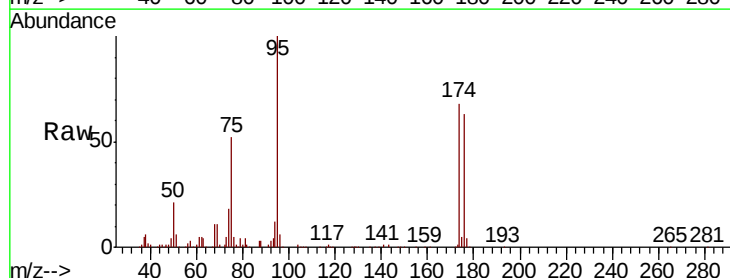
Manual Integrations
 APPROVED

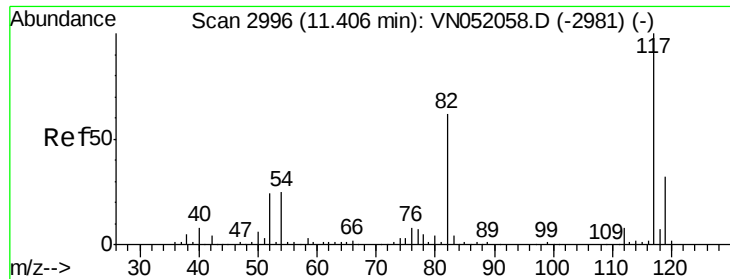
MMDadoda
 11/1/2018 11:47:56 AM



#62
 4-Bromofluorobenzene
 Concen: 54.255 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Tgt Ion: 95 Resp: 220945
 Ion Ratio Lower Upper
 95 100
 174 65.9 0.0 131.8
 176 63.0 0.0 126.0





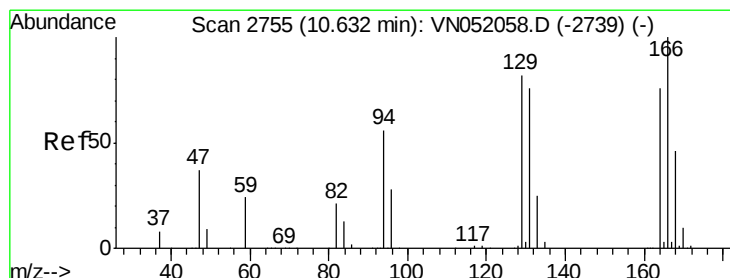
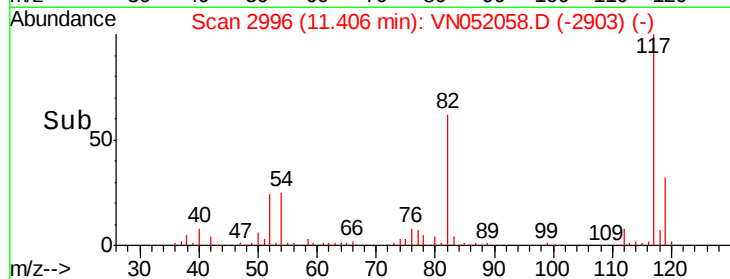
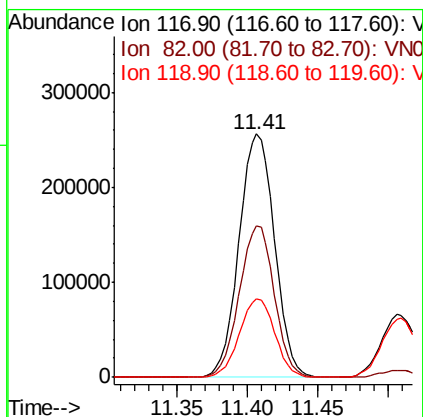
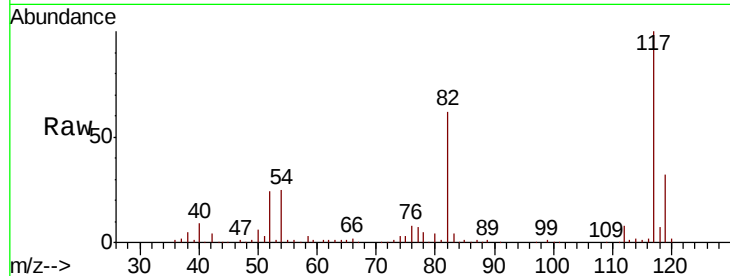
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.4	49.9	74.9
119	32.1	25.7	38.5

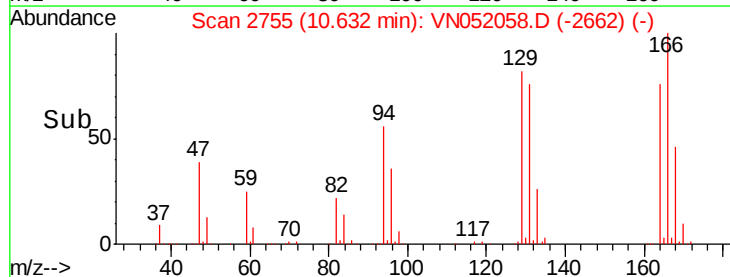
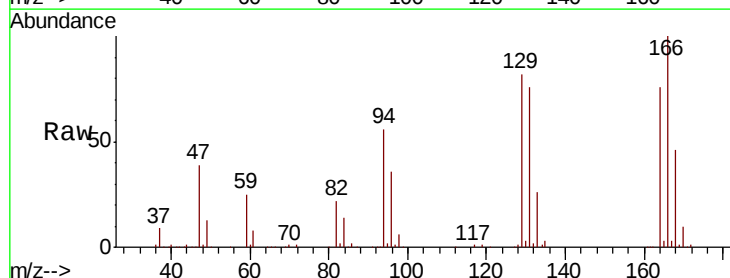
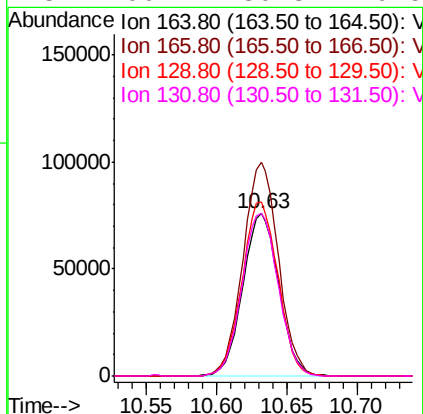
Manual Integrations
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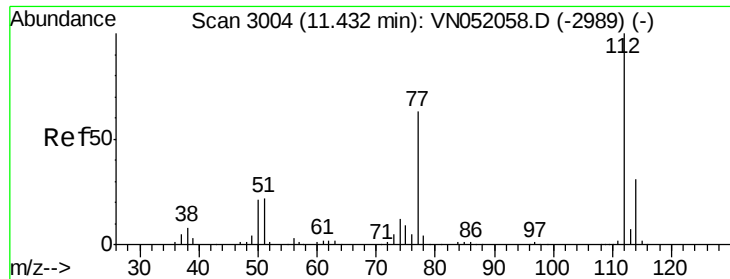
MMDadoda
11/1/2018 11:47:56 AM



#64
Tetrachloroethene
Concen: 52.029 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	105.4	158.0
129	107.6	86.1	129.1
131	100.4	80.3	120.5





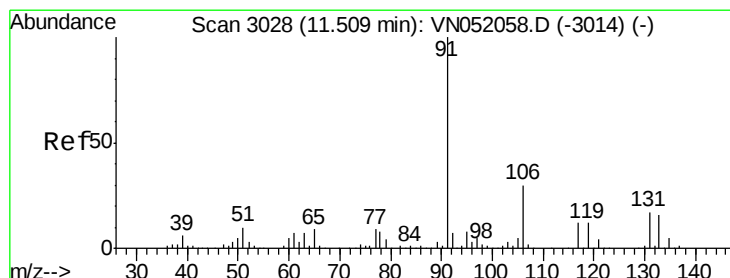
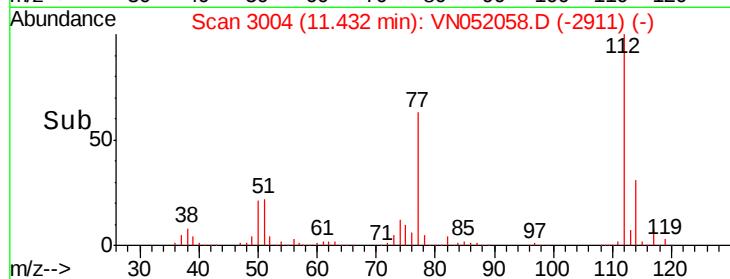
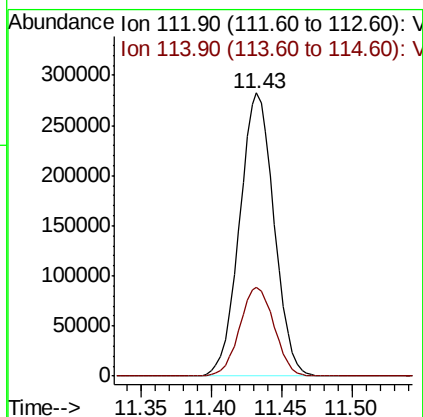
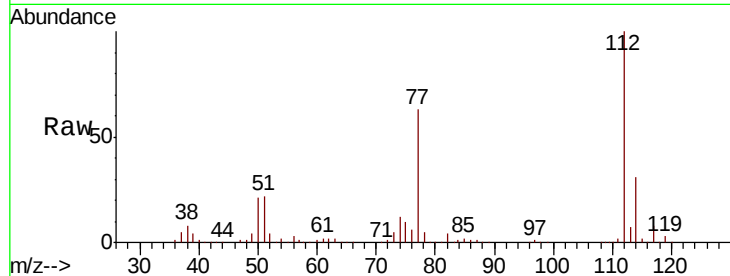
#65
Chlorobenzene
Concen: 52.052 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 484115
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7

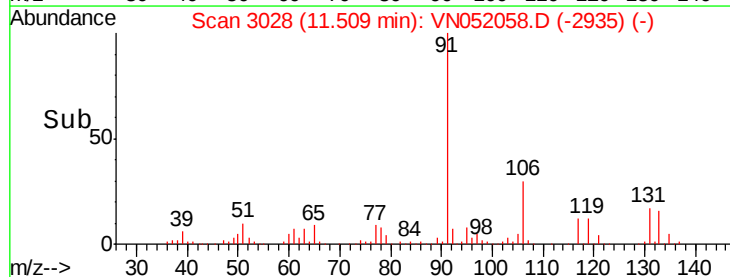
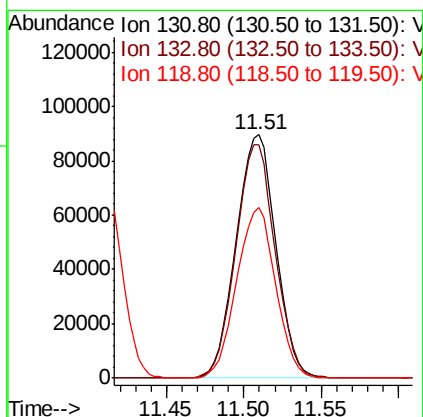
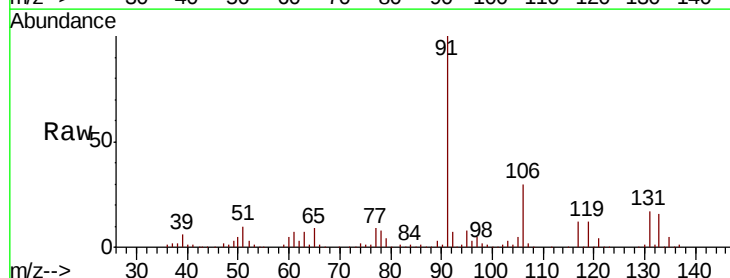
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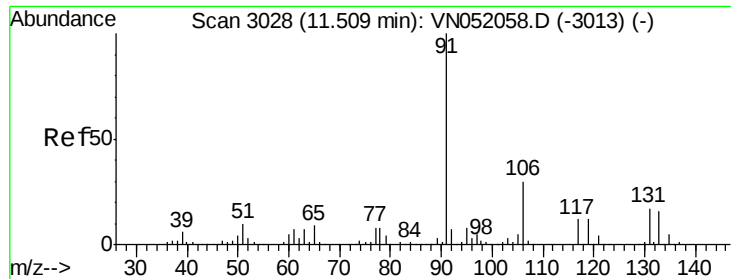
MMDadoda
11/1/2018 11:47:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.362 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion:131 Resp: 159902
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 68.8 34.4 103.2





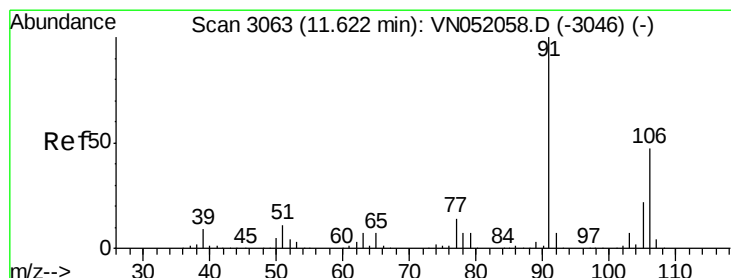
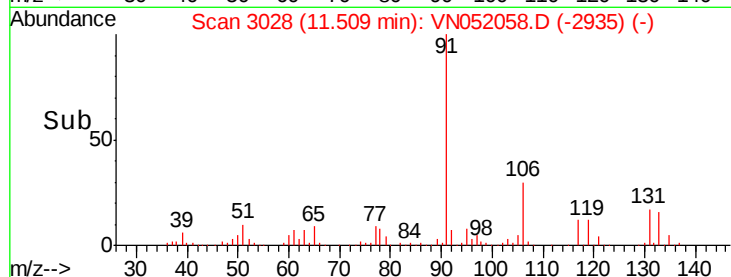
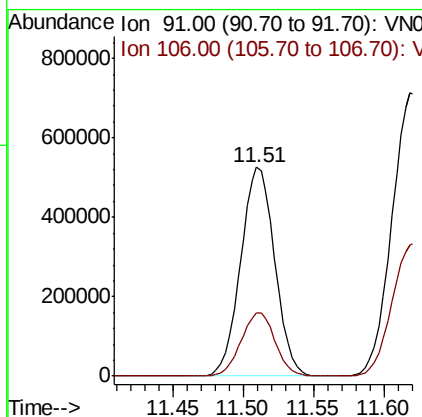
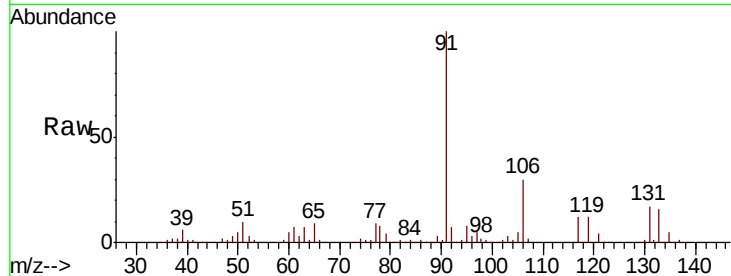
#67
Ethyl Benzene
Concen: 54.658 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 890483
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1

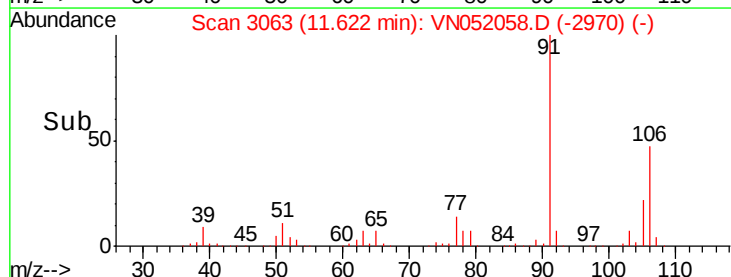
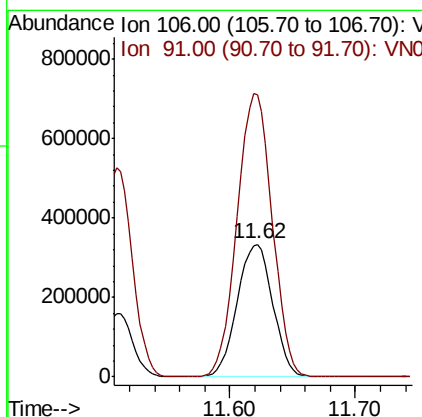
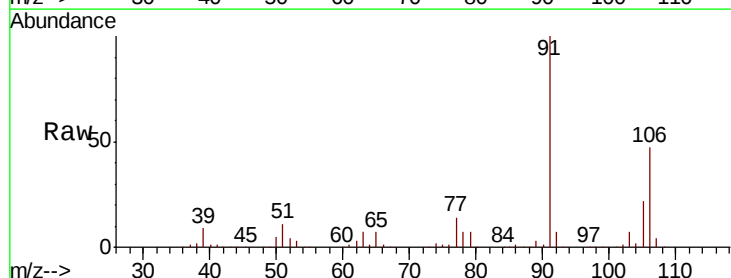
Manual Integrations
APPROVED

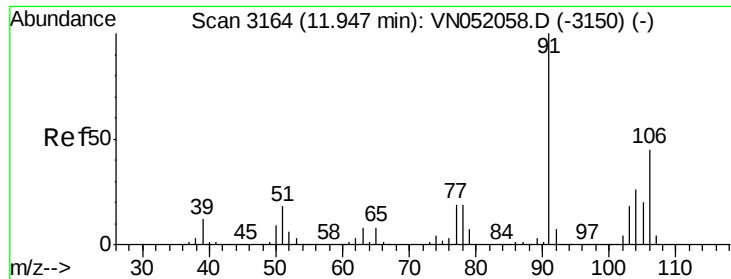
MMDadoda
11/1/2018 11:47:56 AM



#68
m/p-Xylenes
Concen: 116.100 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion: 106 Resp: 656490
Ion Ratio Lower Upper
106 100
91 210.9 168.7 253.1





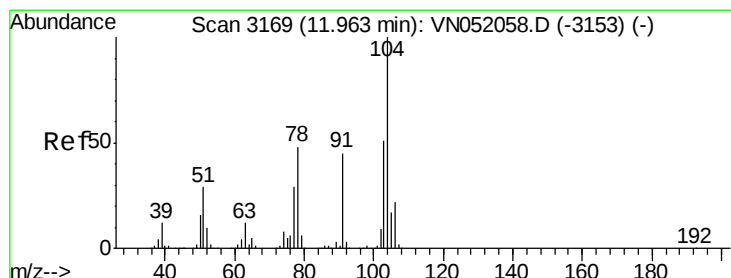
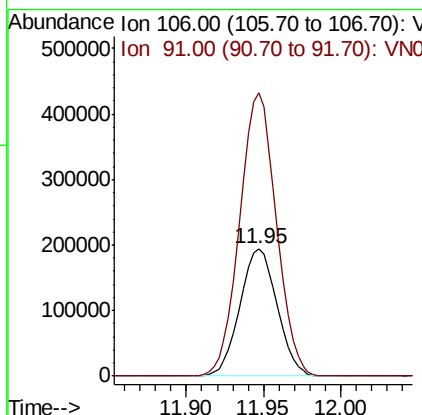
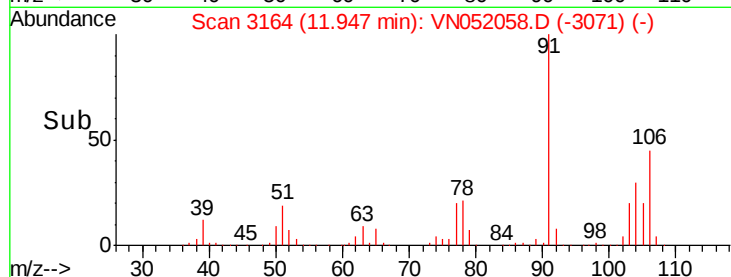
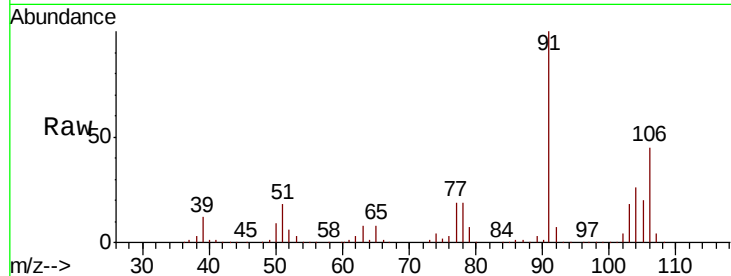
#69
o-Xylene
Concen: 58.963 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
325223	106	100		
	91	219.1	109.6	328.6

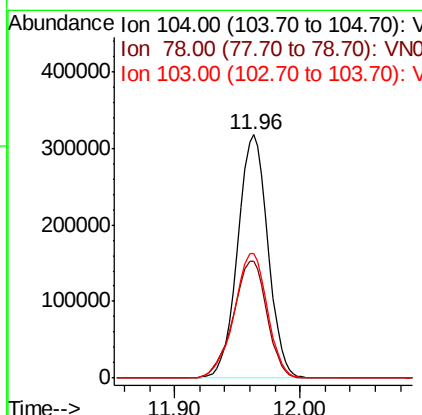
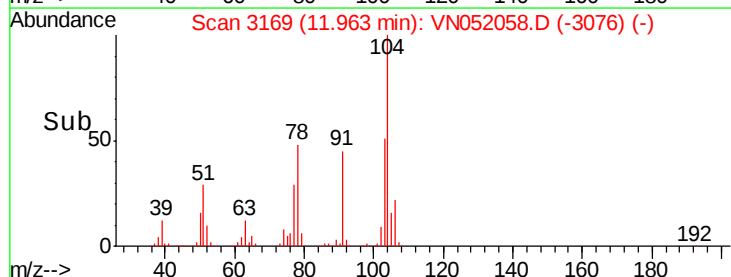
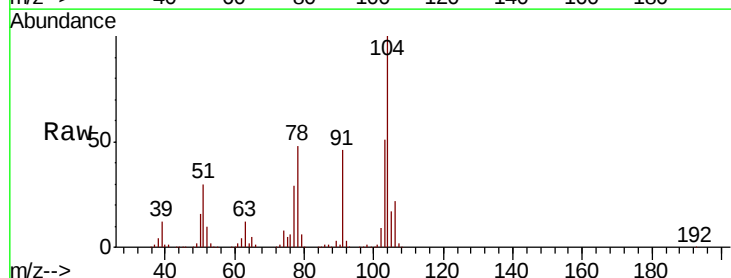
Manual Integrations
APPROVED

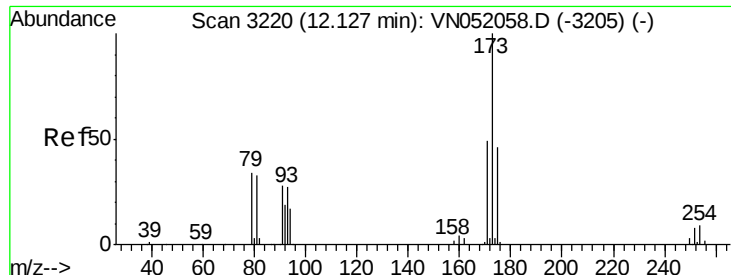
MMDadoda
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#70
Styrene
Concen: 58.341 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ion	Ratio	Lower	Upper
530576	104	100		
	78	53.8	43.0	64.6
	103	56.4	45.1	67.7





#71

Bromoform

Concen: 60.920 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 91987

Ion Ratio Lower Upper

173 100

175 47.8 23.9 71.7

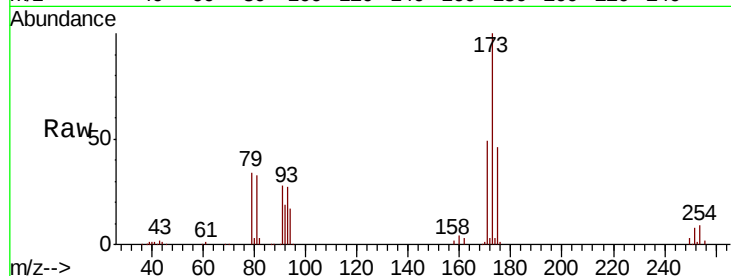
254 0.0 0.0 0.0#

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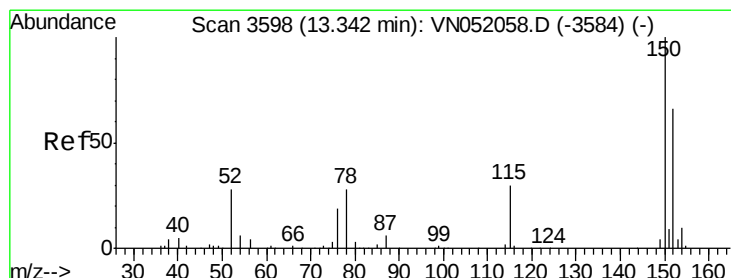
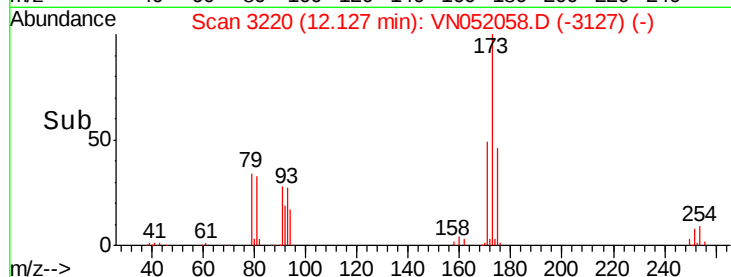
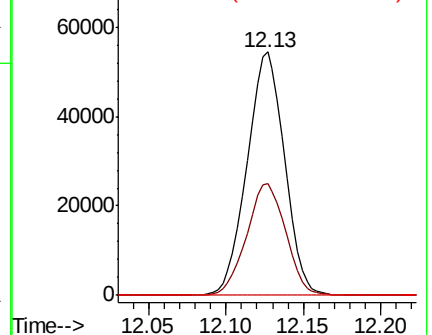
11/1/2018 11:47:56 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

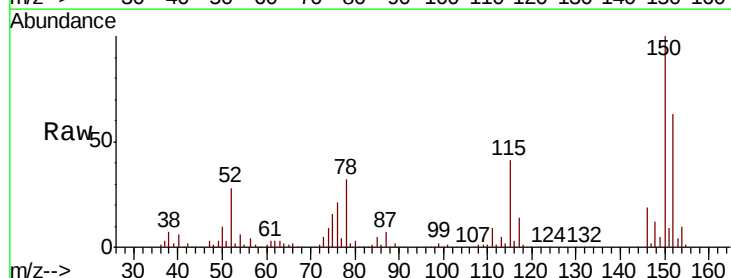
Tgt Ion:152 Resp: 199636

Ion Ratio Lower Upper

152 100

115 63.3 31.6 95.0

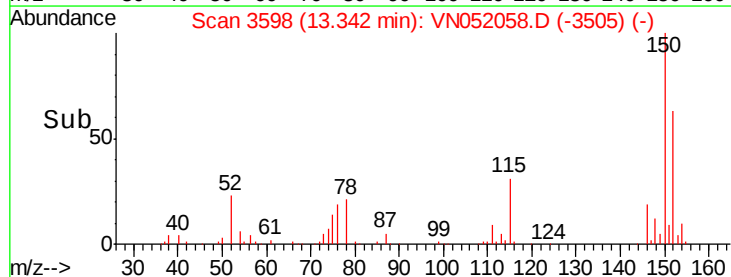
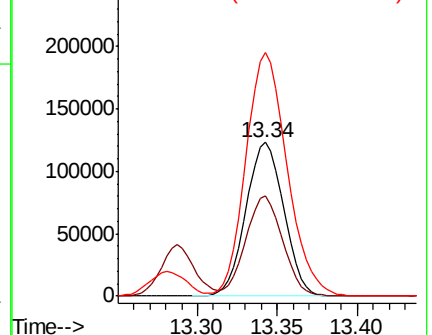
150 172.5 0.0 345.0

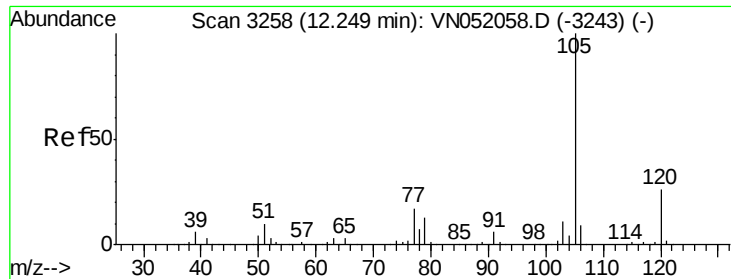


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.638 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 859466

Ion Ratio Lower Upper

105 100

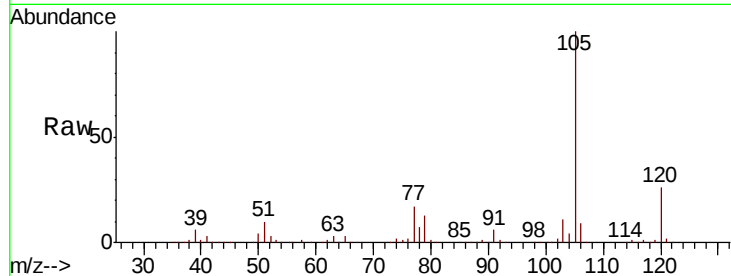
120 25.6 12.8 38.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

500000

400000

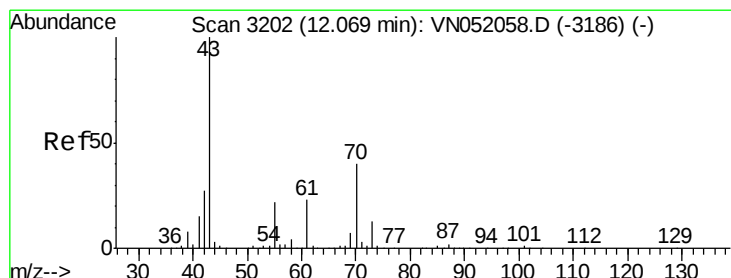
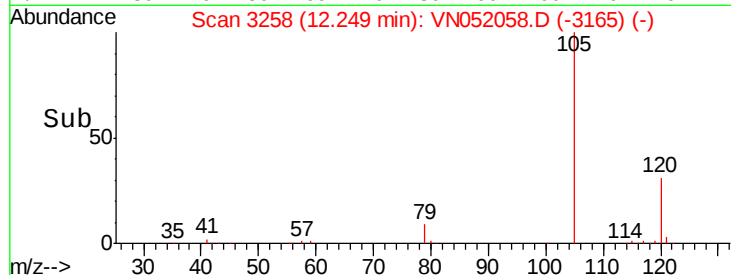
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 47.347 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Tgt Ion: 43 Resp: 283034

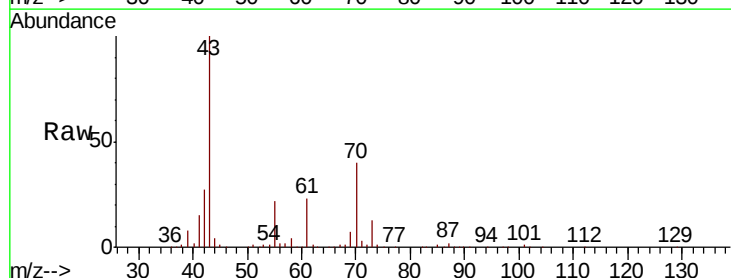
Ion Ratio Lower Upper

43 100

70 39.9 31.9 47.9

55 23.0 18.4 27.6

61 22.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

250000

200000

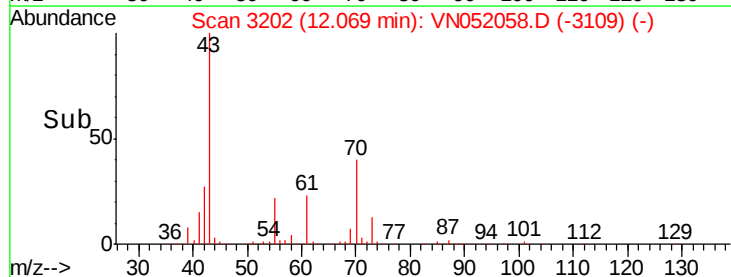
150000

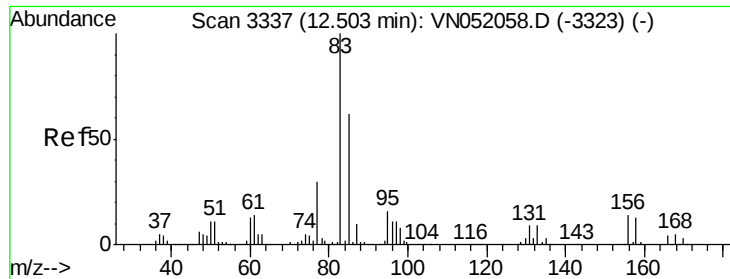
100000

50000

0

Time--> 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 49.813 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

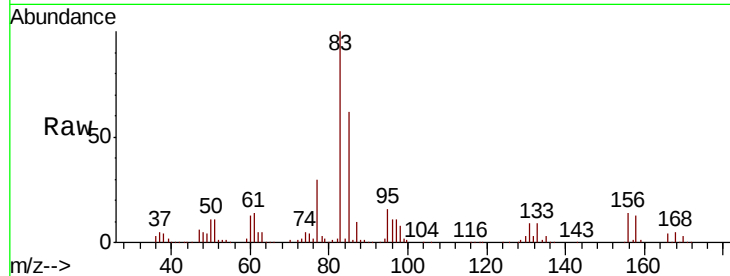
ClientSampleId :

VSTDICCC050

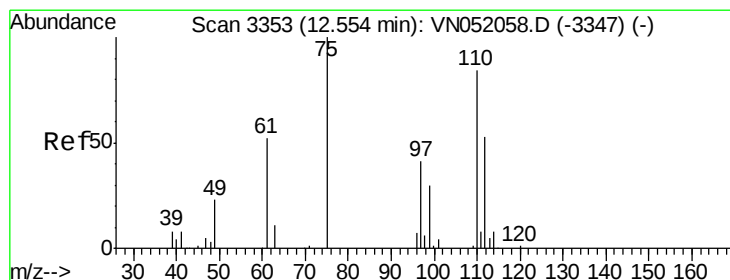
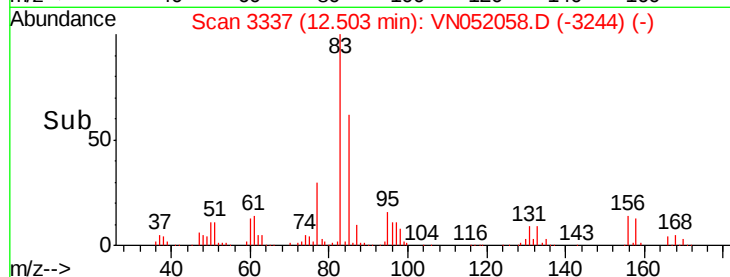
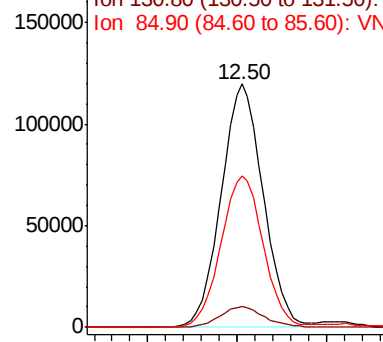
Tot Ion:	83	Resp:	197506
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	62.6	31.3	93.9

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Abundance Ion 82.90 (82.60 to 83.60): VN052058.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 55.122 ug/l m

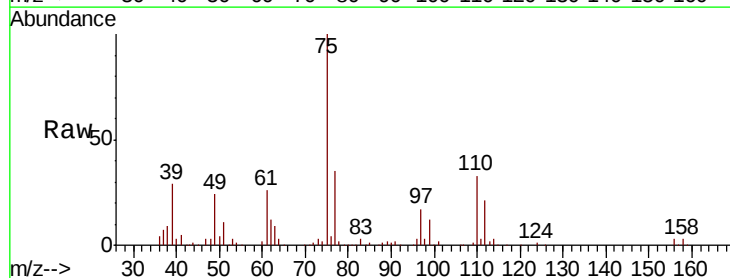
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

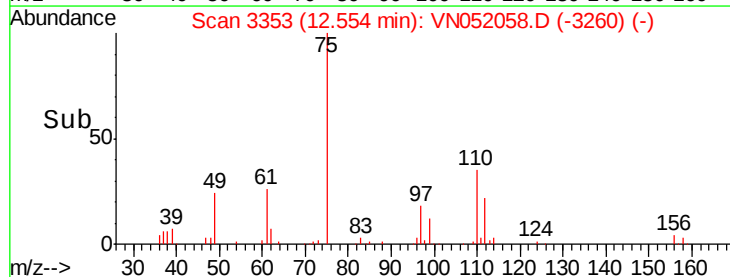
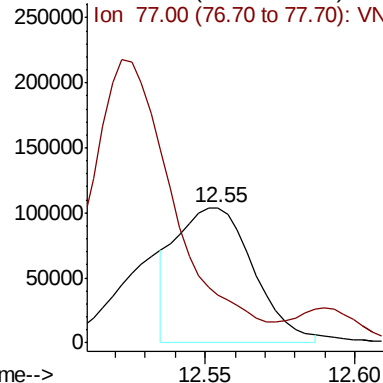
Lab File: VN052058.D

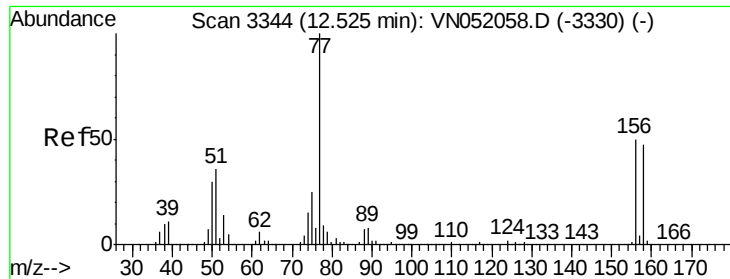
Acq: 30 Oct 2018 10:45

Tgt Ion:	75	Resp:	186324
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-3347) (-)





#77

Bromobenzene

Concen: 52.501 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 179048

Ion Ratio Lower Upper

156 100

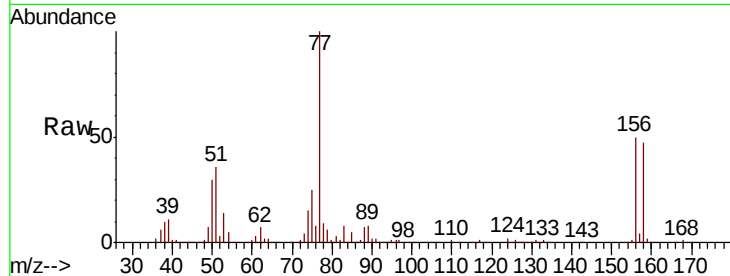
77 239.1 119.6 358.6

158 95.6 47.8 143.4

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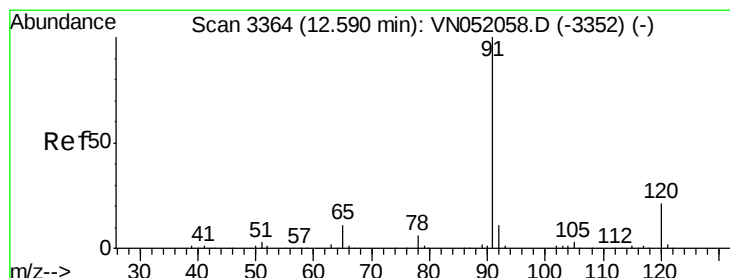
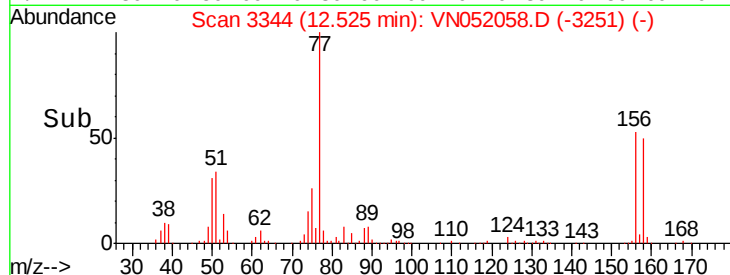
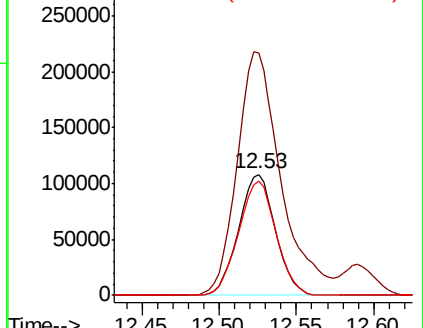
11/1/2018 11:47:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.691 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052058.D

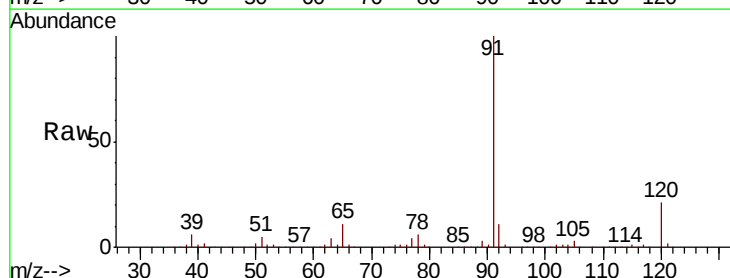
Acq: 30 Oct 2018 10:45

Tgt Ion: 91 Resp: 1041783

Ion Ratio Lower Upper

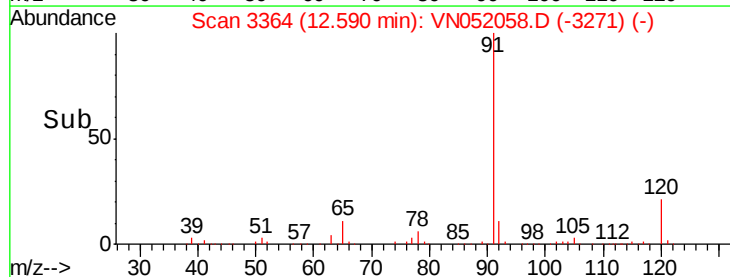
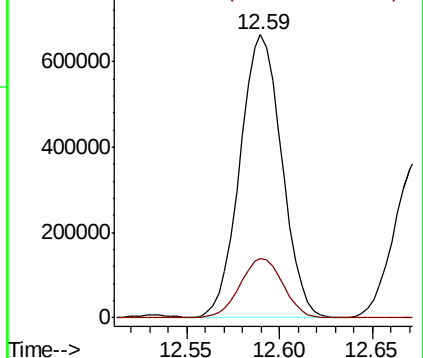
91 100

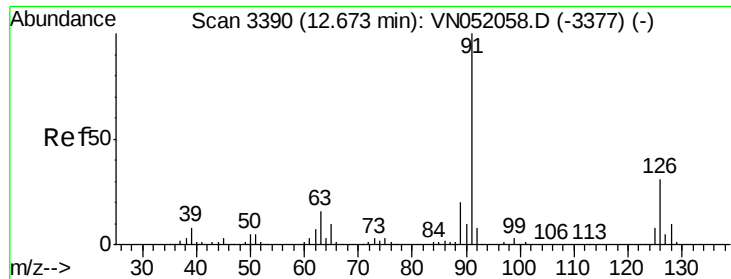
120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





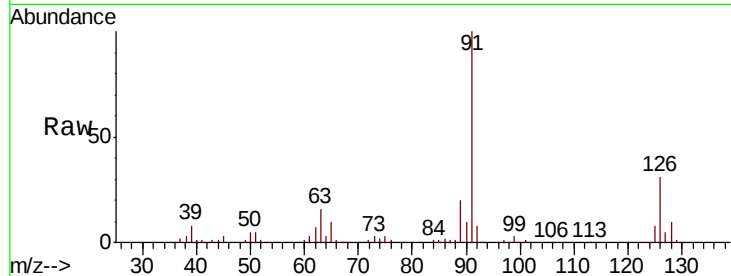
#79
 2-Chlorotoluene
 Concen: 54.530 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

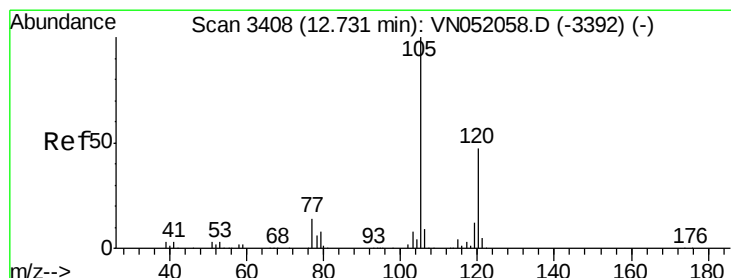
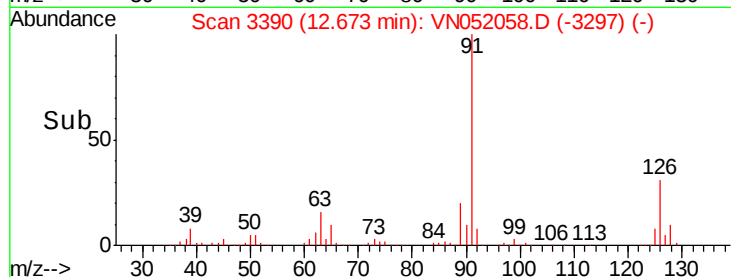
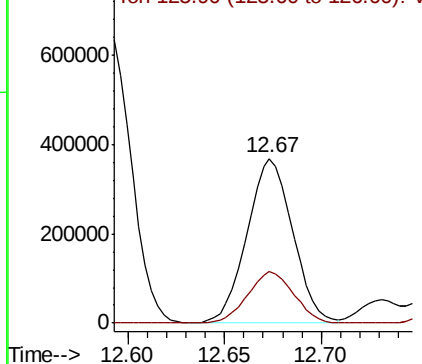
Tot Ion: 91 Resp: 605460
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.9 47.6

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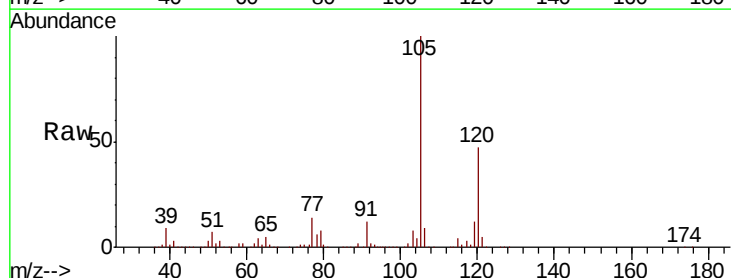


Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3377) (-)
 Ion 125.90 (125.60 to 126.60): VN052058.D (-3377) (-)

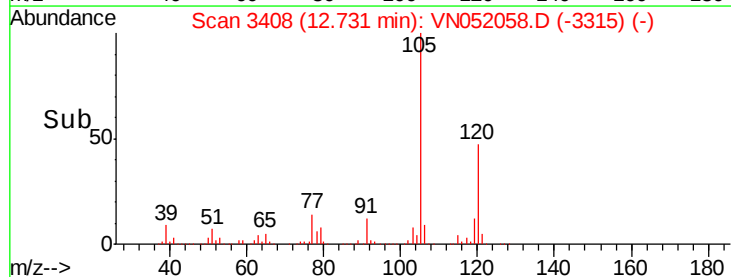
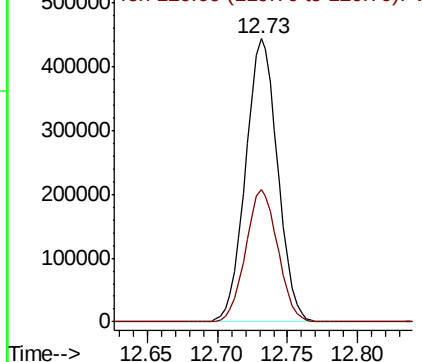


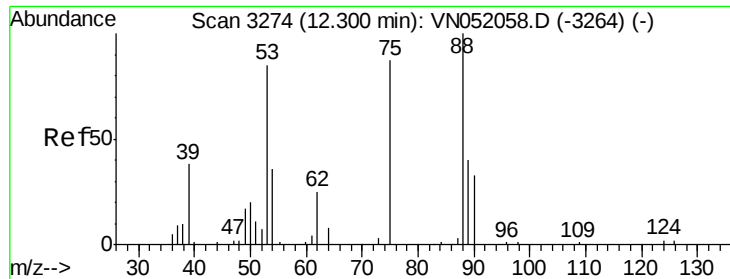
#80
 1,3,5-Trimethylbenzene
 Concen: 54.008 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Tgt Ion: 105 Resp: 705972
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN052058.D (-3392) (-)
 Ion 120.00 (119.70 to 120.70): VN052058.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.246 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 57228

Ion Ratio Lower Upper

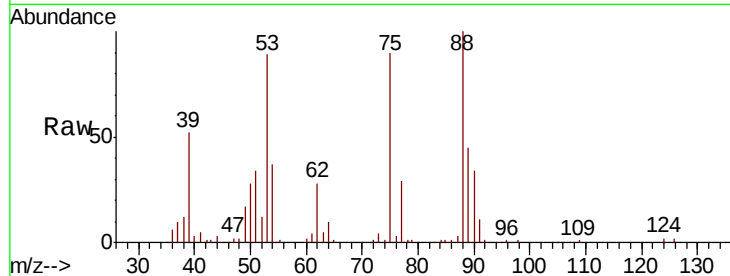
75 100

53 102.2 81.8 122.6

89 45.7 36.6 54.8

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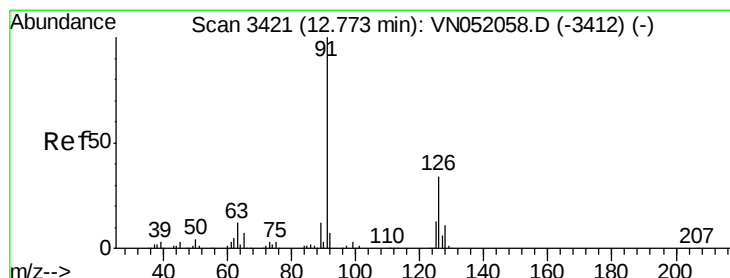
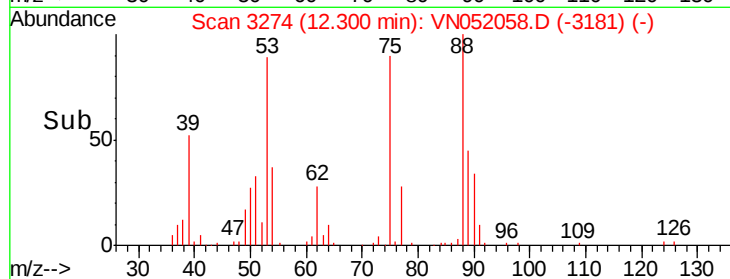
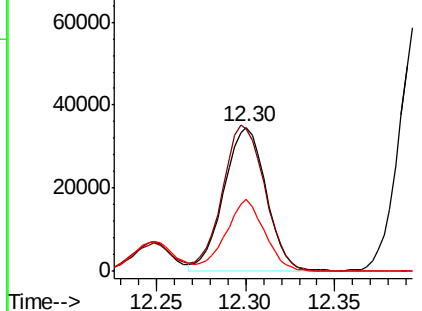
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 55.831 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052058.D

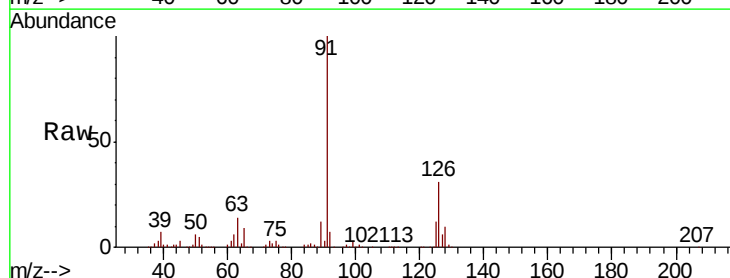
Acq: 30 Oct 2018 10:45

Tgt Ion: 91 Resp: 627285

Ion Ratio Lower Upper

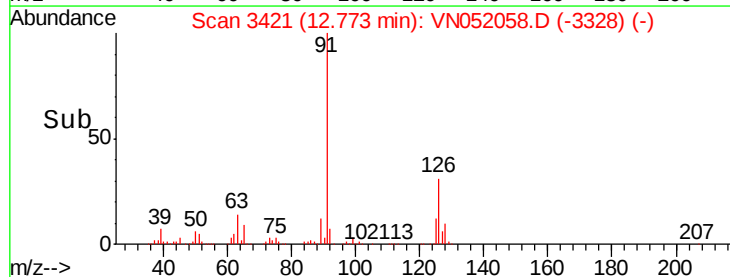
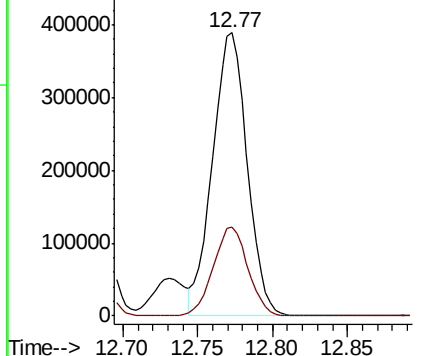
91 100

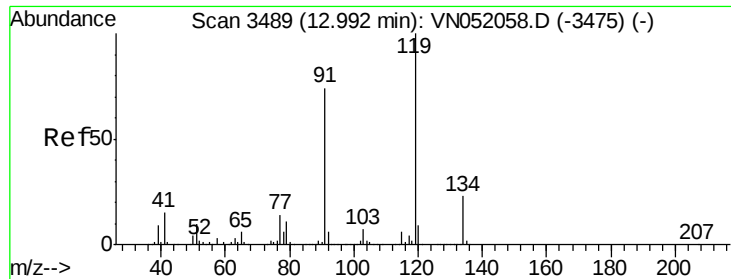
126 31.4 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





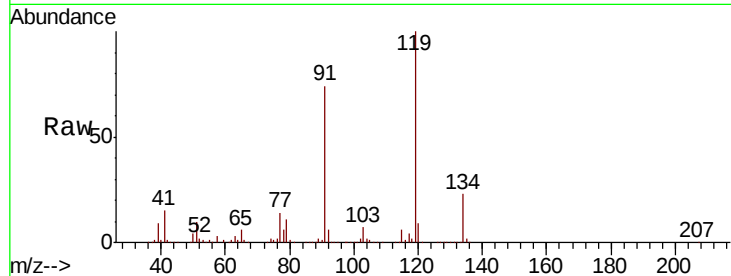
#83
tert-Butylbenzene
Concen: 53.406 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

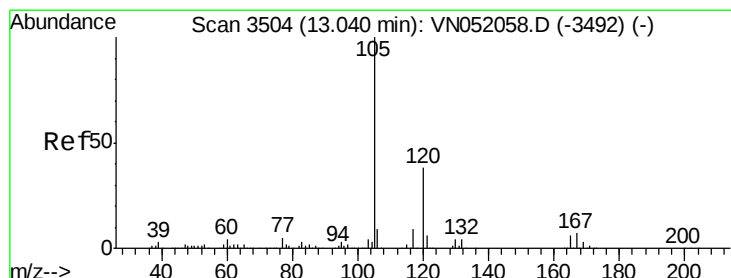
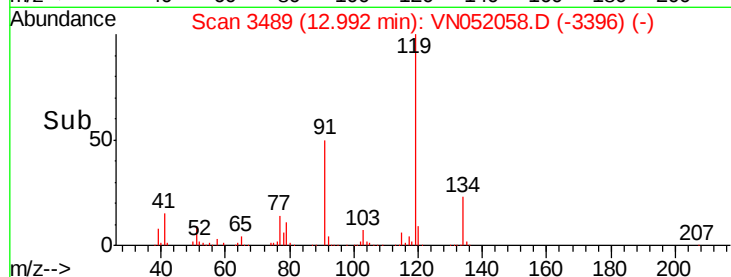
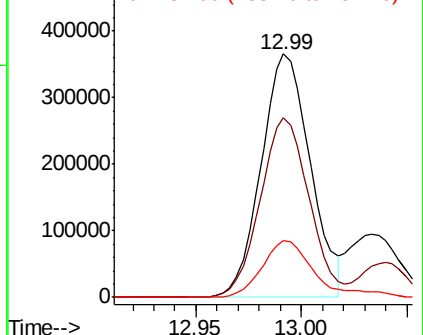
Tot Ion	Ratio	Lower	Upper
119	100		
91	73.3	36.6	109.9
134	25.0	12.5	37.5

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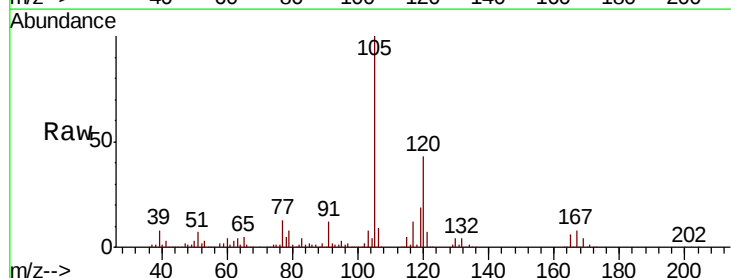


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

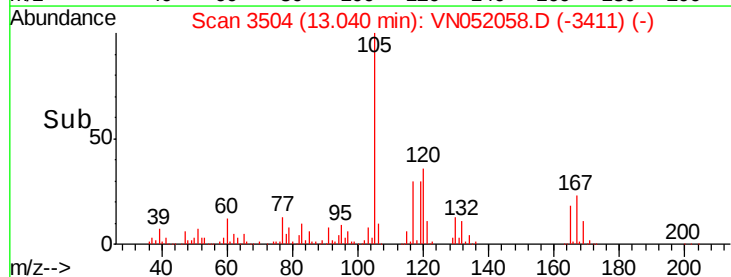
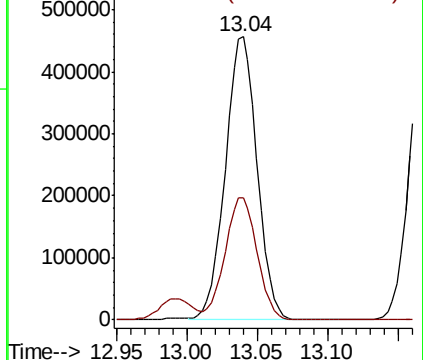


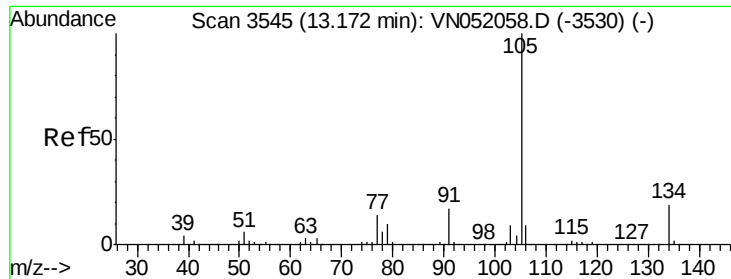
#84
1,2,4-Trimethylbenzene
Concen: 56.010 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.9	65.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.262 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 853784

Ion Ratio Lower Upper

105 100

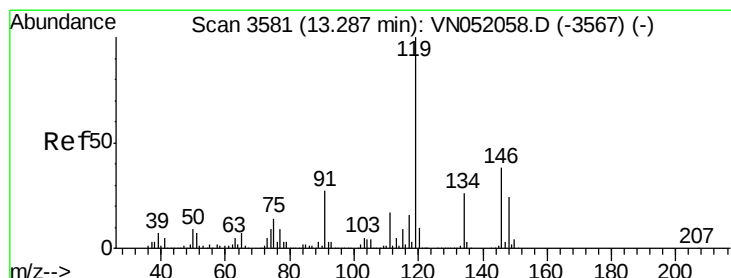
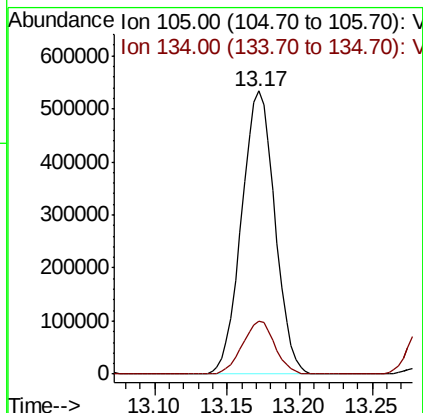
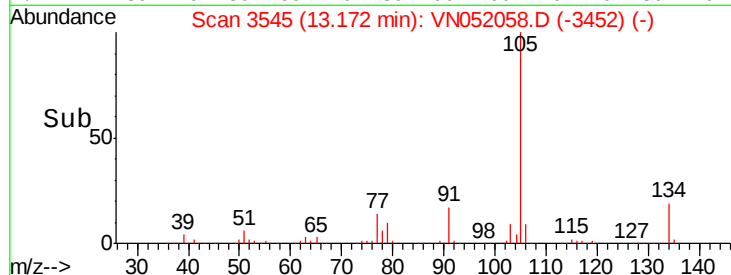
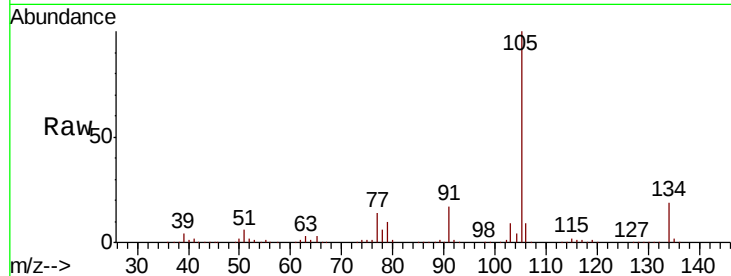
134 18.2 9.1 27.3

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#86

p-Isopropyltoluene

Concen: 55.463 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

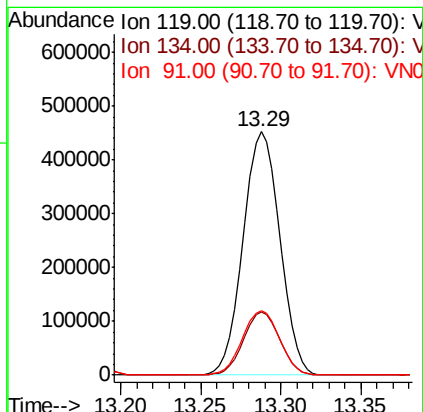
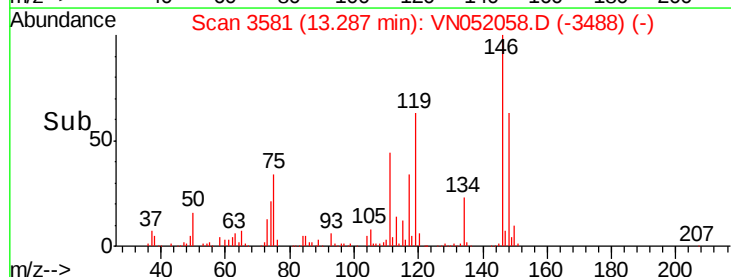
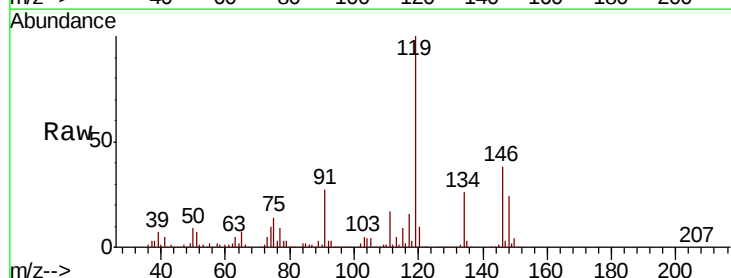
Tgt Ion:119 Resp: 707814

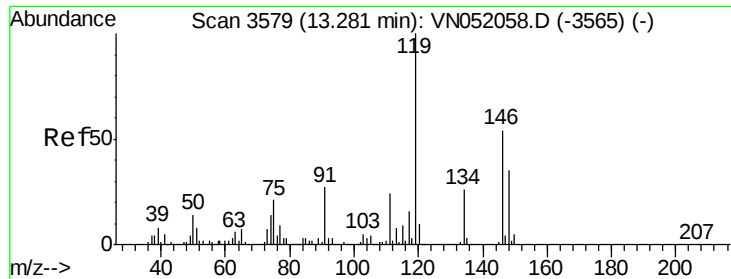
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 26.8 13.4 40.2





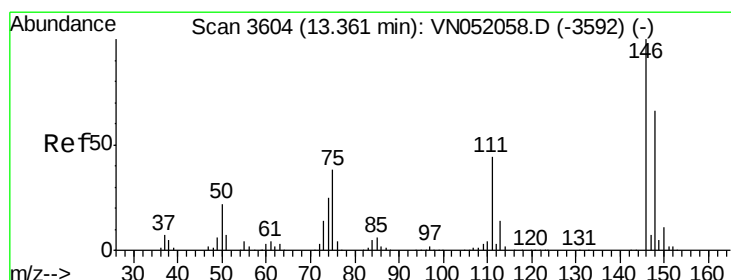
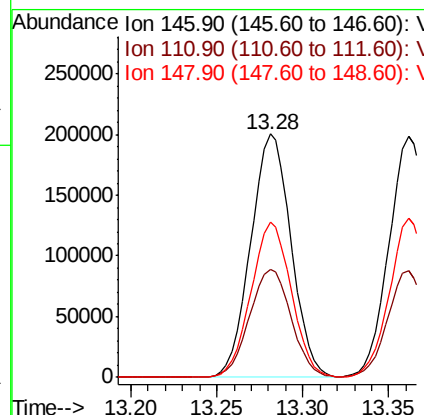
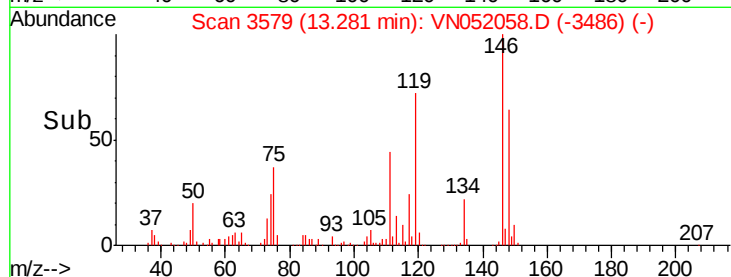
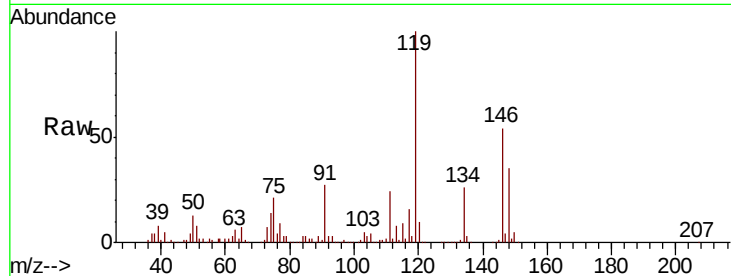
#87
 1,3-Dichlorobenzene
 Concen: 52.359 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.8
148	63.6	31.8	95.4

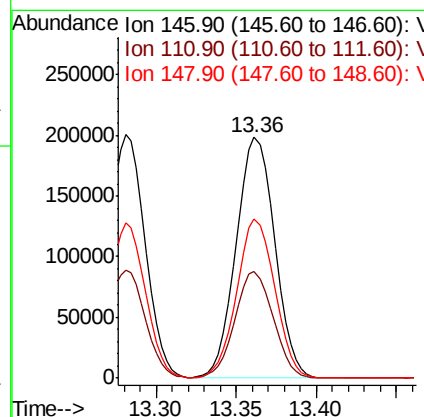
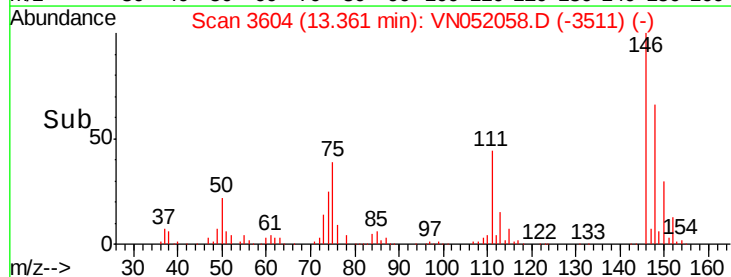
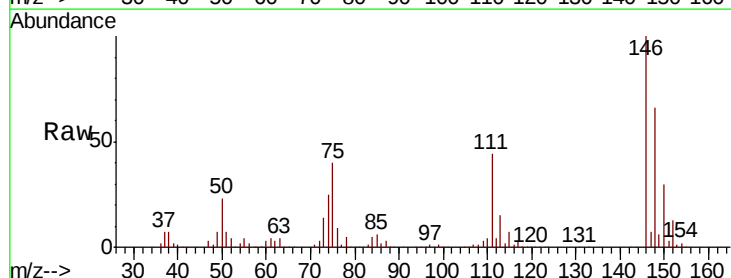
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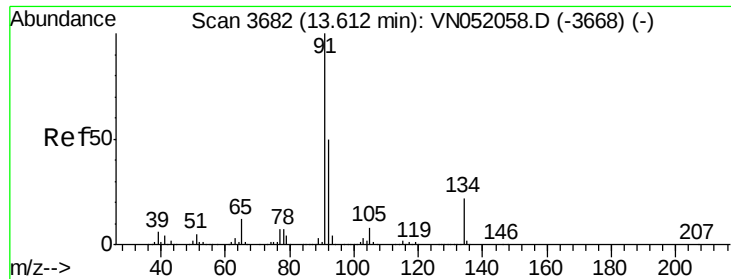
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#88
 1,4-Dichlorobenzene
 Concen: 51.387 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	65.3	32.6	98.0





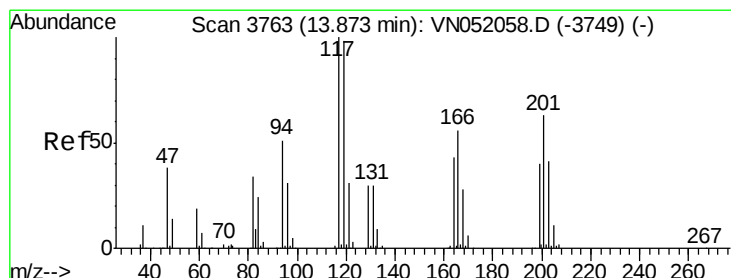
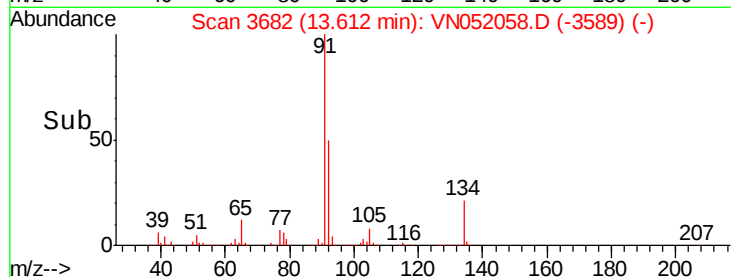
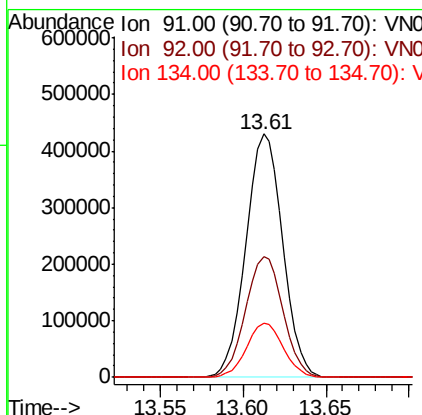
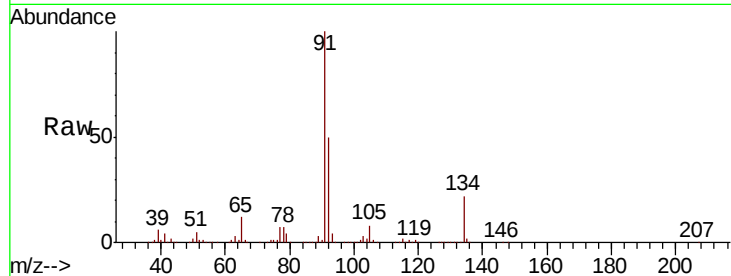
#89
n-Butylbenzene
Concen: 53.782 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.3	75.8
134	22.3	11.2	33.5

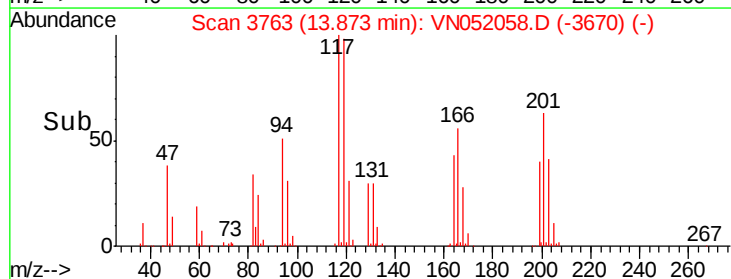
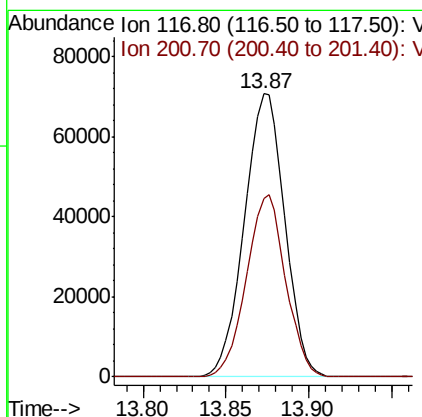
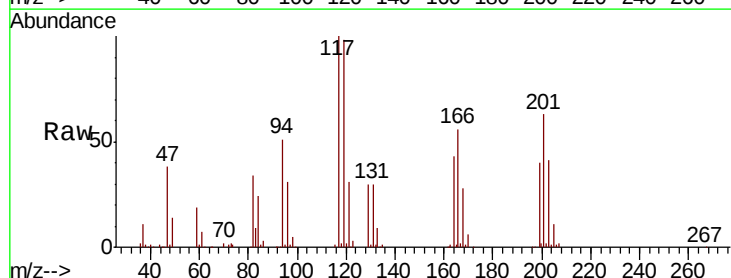
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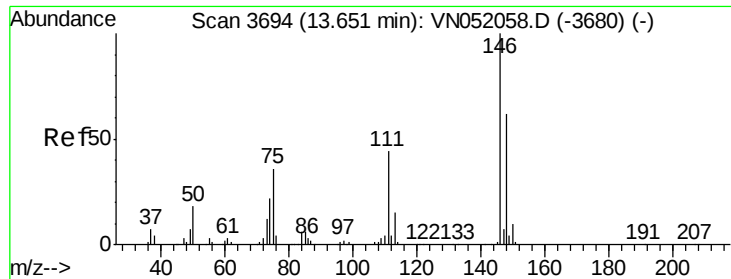
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#90
Hexachloroethane
Concen: 53.935 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052058.D
Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.3	31.1	93.5





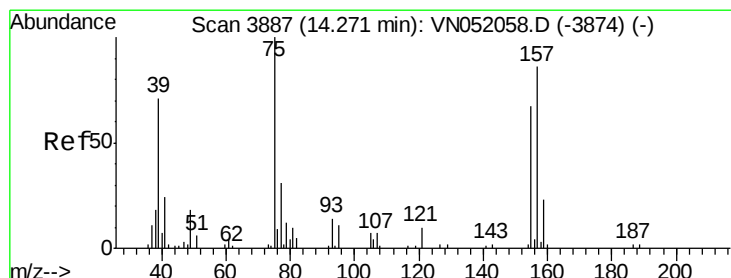
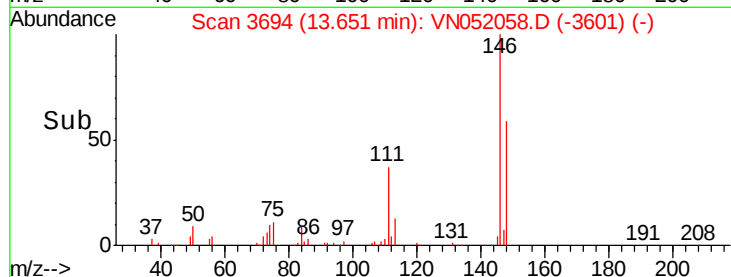
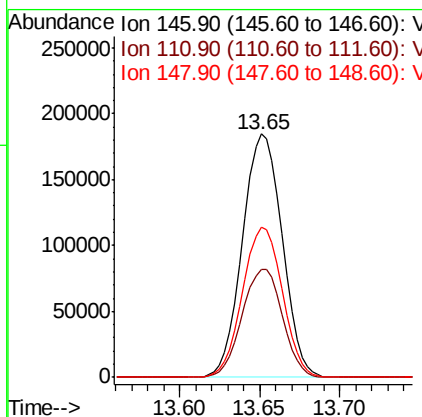
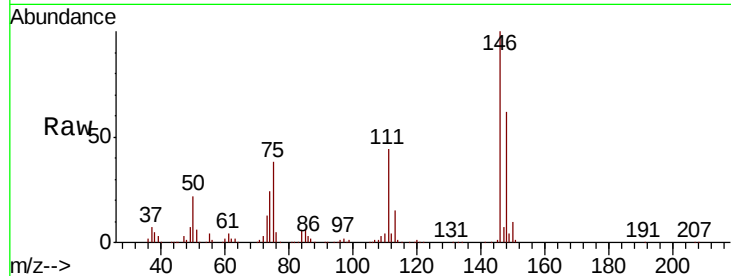
#91
 1,2-Dichlorobenzene
 Concen: 54.882 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.5	67.5
148	61.9	30.9	92.8

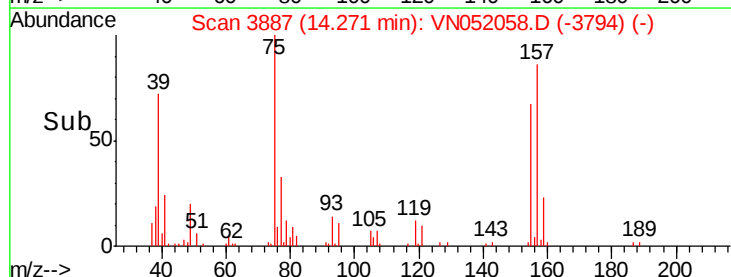
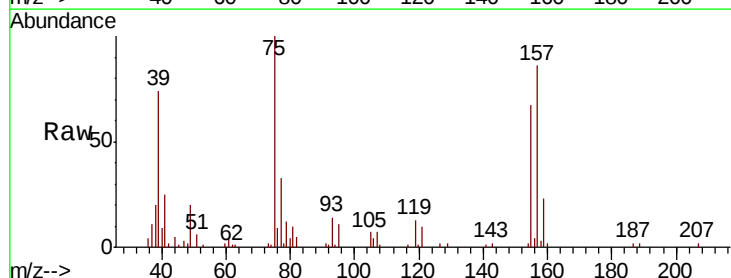
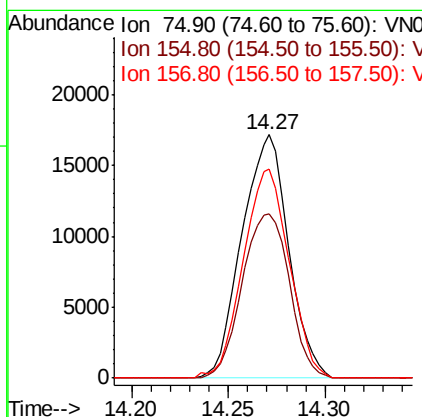
Manual Integrations
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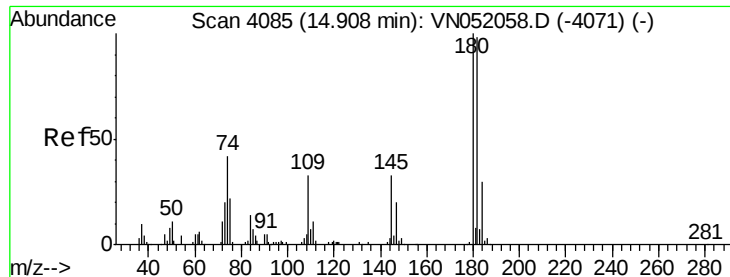
MMDadoda
 11/1/2018 11:47:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 79.434 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.0	34.0	102.0
157	84.3	42.1	126.4





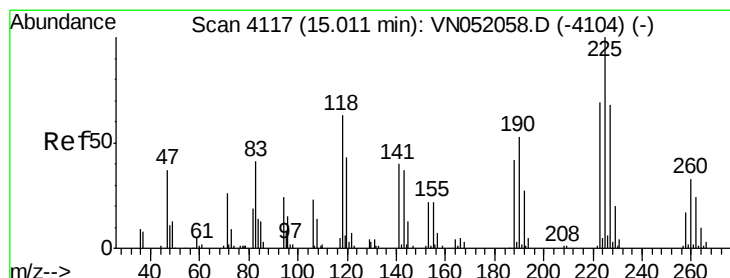
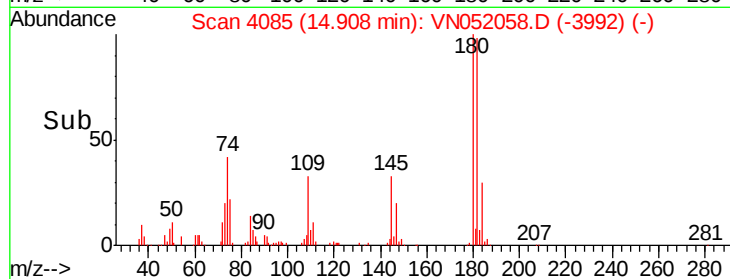
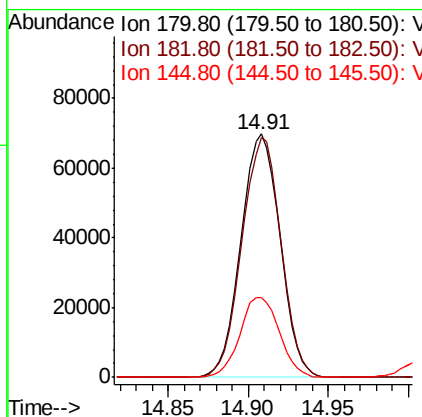
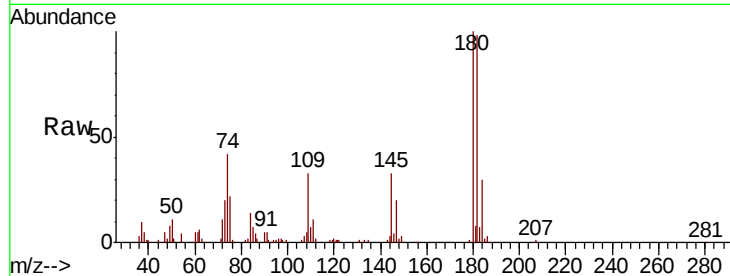
#93
 1,2,4-Trichlorobenzene
 Concen: 56.504 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.3	49.1	147.4	
145	32.8	16.4	49.2	

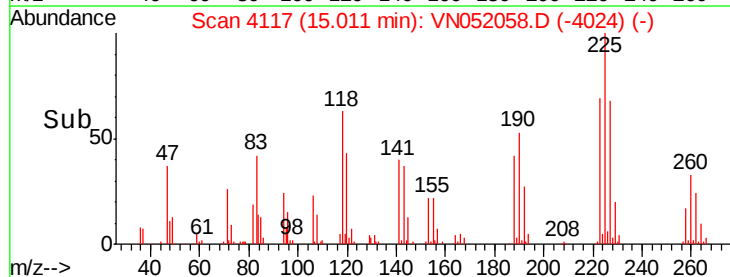
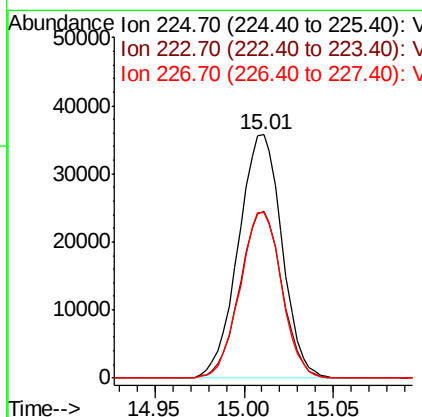
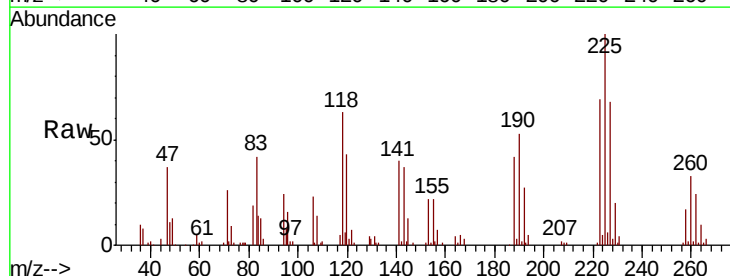
Manual Integrations
 APPROVED

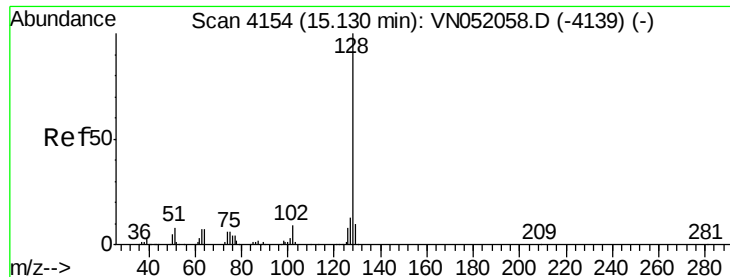
MMDadoda
 11/1/2018 11:47:56 AM



#94
 Hexachlorobutadiene
 Concen: 50.302 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052058.D
 Acq: 30 Oct 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.2	33.1	99.3	
227	65.2	32.6	97.8	





#95

Naphthalene

Concen: 55.299 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Instrument :

MSVOA_N

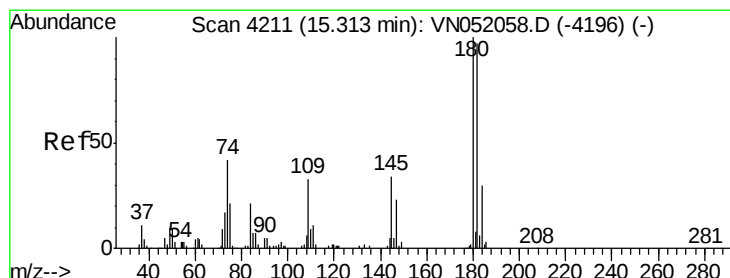
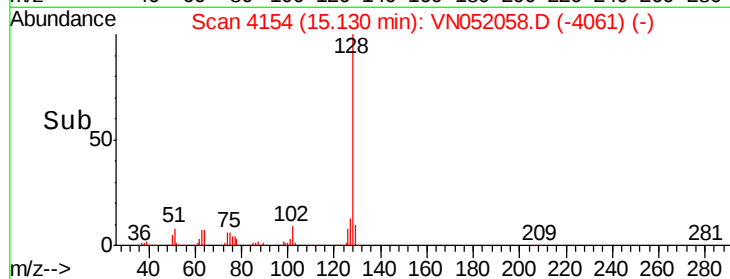
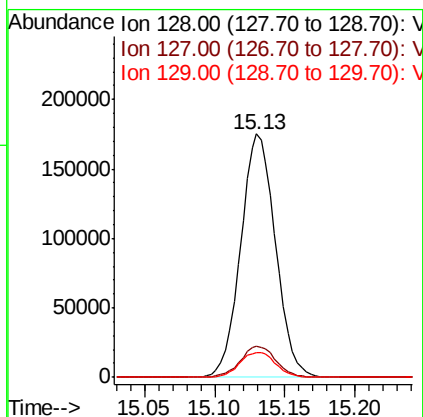
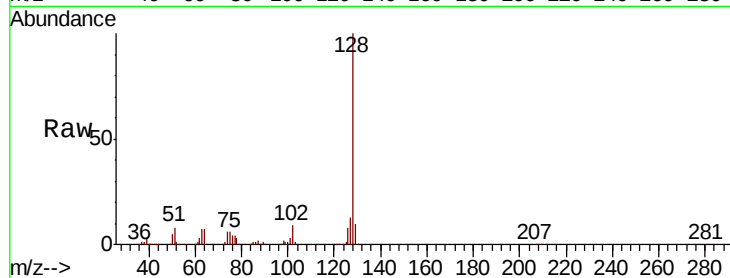
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	302427
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/1/2018 11:47:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.584 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052058.D

Acq: 30 Oct 2018 10:45

Tgt Ion:	180	Resp:	100387
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.2	141.6
145	33.1	16.6	49.7

