

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057708.D
 Acq On : 5 Sep 2019 20:46
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090619

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 1:10:45 PM

Quant Time: Sep 06 03:56:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	202993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	342834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	310036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	174179	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	258870	52.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.84%	
35) Dibromofluoromethane	7.57	113	162146	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
50) Toluene-d8	10.08	98	592881	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.40	95	239596	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	163414	50.693	ug/l	97
3) Chloromethane	2.04	50	174625	46.545	ug/l	100
4) Vinyl Chloride	2.17	62	140621	50.371	ug/l	99
5) Bromomethane	2.53	94	72850m	56.819	ug/l	
6) Chloroethane	2.68	64	82889	50.293	ug/l	93
7) Trichlorofluoromethane	3.00	101	211613	47.232	ug/l	98
8) Diethyl Ether	3.39	74	87638	48.954	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	139318	49.825	ug/l	99
10) Methyl Iodide	3.93	142	155084	55.979	ug/l	99
11) Tert butyl alcohol	4.76	59	140160	249.808	ug/l #	83
12) 1,1-Dichloroethene	3.72	96	129234	51.370	ug/l	97
13) Acrolein	3.58	56	63976	239.762	ug/l	95
14) Allyl chloride	4.30	41	291294	50.669	ug/l	98
15) Acrylonitrile	4.96	53	370955	257.163	ug/l	99
16) Acetone	3.79	43	359081	236.289	ug/l	100
17) Carbon Disulfide	4.03	76	297488	52.192	ug/l	100
18) Methyl Acetate	4.30	43	199809	48.350	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	532157	50.385	ug/l	99
20) Methylene Chloride	4.53	84	154010	46.871	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	133791	50.540	ug/l	99
22) Diisopropyl ether	5.93	45	611884	50.314	ug/l	97
23) Vinyl Acetate	5.87	43	2615664	265.726	ug/l	99
24) 1,1-Dichloroethane	5.83	63	311830	50.008	ug/l	98
25) 2-Butanone	6.81	43	554604	254.840	ug/l	99
26) 2,2-Dichloropropane	6.81	77	259360	49.857	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	167628	50.448	ug/l	98
28) Bromochloromethane	7.18	49	164857	50.529	ug/l	100
29) Tetrahydrofuran	7.19	42	347279	247.442	ug/l	99
30) Chloroform	7.36	83	325632	50.115	ug/l	99
31) Cyclohexane	7.64	56	258092	46.565	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	284657	52.595	ug/l	99
36) 1,1-Dichloropropene	7.78	75	221966	48.667	ug/l	99
37) Ethyl Acetate	6.91	43	238704	52.718	ug/l	99
38) Carbon Tetrachloride	7.76	117	225021	51.526	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	236832	49.093	ug/l	99
40) Benzene	8.03	78	630590	48.881	ug/l	99
41) Methacrylonitrile	7.15	41	119685	54.074	ug/l #	89
42) 1,2-Dichloroethane	8.11	62	297801	49.249	ug/l	99
43) Isopropyl Acetate	8.15	43	434284	49.969	ug/l #	90
44) Trichloroethene	8.82	130	148620	51.259	ug/l	98
45) 1,2-Dichloropropane	9.11	63	179600	49.779	ug/l	97
46) Dibromomethane	9.20	93	118897	51.374	ug/l	99
47) Bromodichloromethane	9.40	83	250972	51.026	ug/l #	97
48) Methyl methacrylate	9.19	41	216905	48.527	ug/l	100
49) 1,4-Dioxane	9.19	88	52903	1017.232	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1244689	257.878	ug/l	100
52) Toluene	10.15	92	388562	49.696	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	260835	52.860	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	280121	52.543	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	156307	49.675	ug/l	96
56) Ethyl methacrylate	10.43	69	260891	51.946	ug/l	99
57) 1,3-Dichloropropane	10.71	76	280571	49.639	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	666810	261.698	ug/l	98
59) 2-Hexanone	10.75	43	882452	259.273	ug/l	100
60) Dibromochloromethane	10.90	129	165283	48.761	ug/l	99
61) 1,2-Dibromoethane	11.00	107	154779	51.238	ug/l	98
64) Tetrachloroethene	10.63	164	123166	50.955	ug/l	98
65) Chlorobenzene	11.43	112	409462	50.629	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	151981	54.007	ug/l	100
67) Ethyl Benzene	11.51	91	804664	51.567	ug/l	98
68) m/p-Xylenes	11.62	106	556603	103.563	ug/l	99
69) o-Xylene	11.95	106	272326	51.172	ug/l	98
70) Styrene	11.96	104	473977	51.473	ug/l	99
71) Bromoform	12.13	173	101431	48.350	ug/l #	100
73) Isopropylbenzene	12.25	105	779883	50.645	ug/l	100
74) N-amyl acetate	12.07	43	393925	51.209	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	229004	49.594	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	190520m	47.632	ug/l	
77) Bromobenzene	12.53	156	168917	50.492	ug/l	98
78) n-propylbenzene	12.59	91	927743	50.709	ug/l	99
79) 2-Chlorotoluene	12.68	91	557220	50.030	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	668112	51.075	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65293	50.768	ug/l	99
82) 4-Chlorotoluene	12.77	91	582440	50.776	ug/l	100
83) tert-Butylbenzene	12.99	119	552657	50.116	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	663776	51.227	ug/l	99
85) sec-Butylbenzene	13.17	105	765130	50.362	ug/l	100
86) p-Isopropyltoluene	13.29	119	669730	52.015	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	315363	50.425	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	311834	49.843	ug/l	99
89) n-Butylbenzene	13.62	91	652938	51.277	ug/l	99
90) Hexachloroethane	13.88	117	107113	53.093	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	311788	50.636	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48740	53.579	ug/l	98

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QLast Update : Fri Sep 06 03:46:54 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	196664	53.388	ug/l	99
94) Hexachlorobutadiene	15.01	225	90956	50.658	ug/l	99
95) Naphthalene	15.13	128	559723	52.375	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	183215	51.889	ug/l	98

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

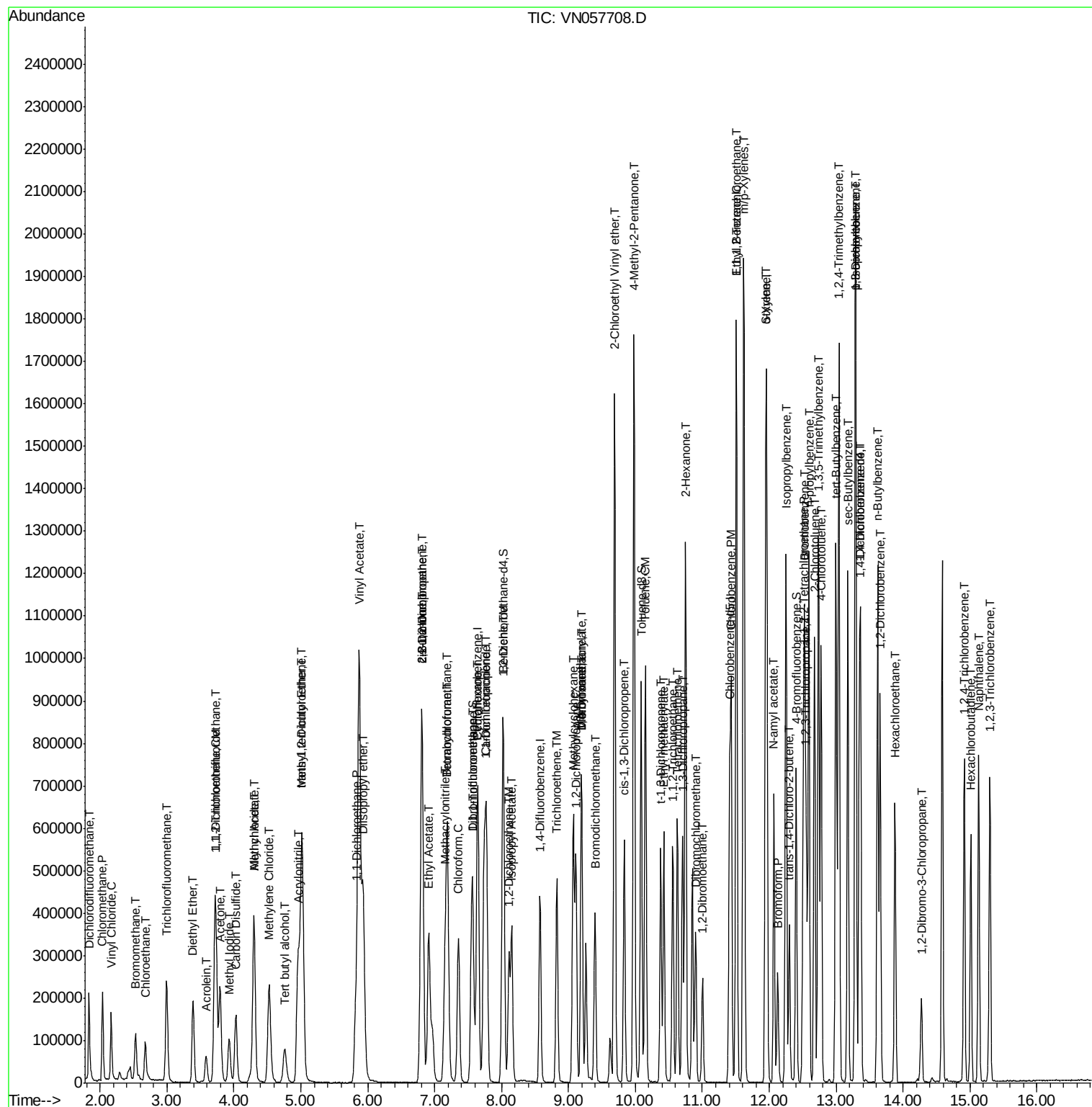
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090619\
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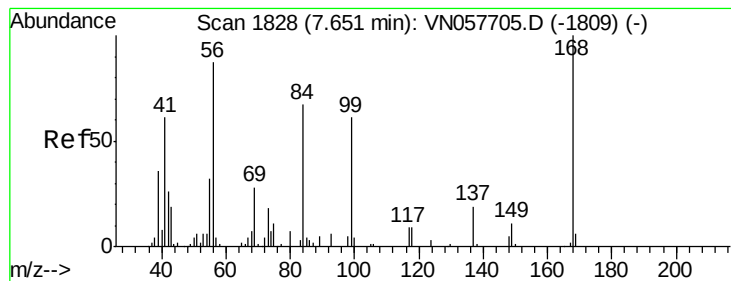
Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

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9/9/2019 1:10:45 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090619

Tot Ion:168 Resp: 202993

Ion Ratio Lower Upper

168 100

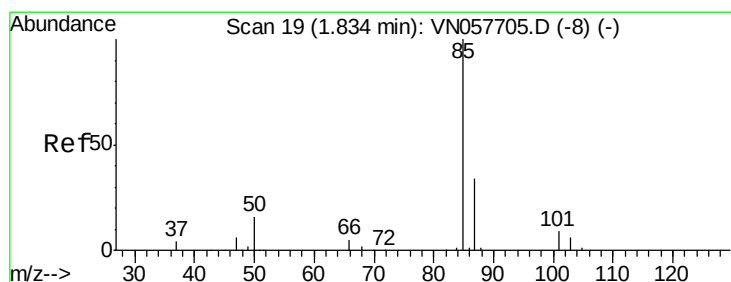
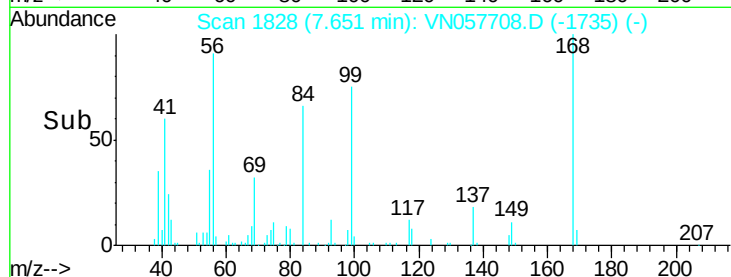
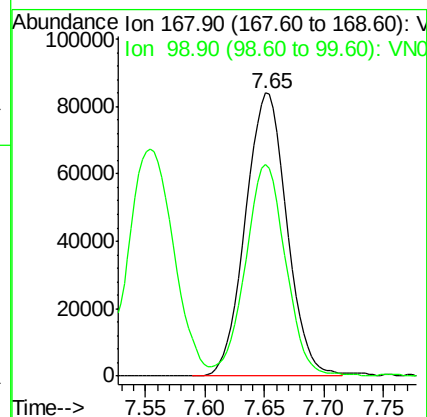
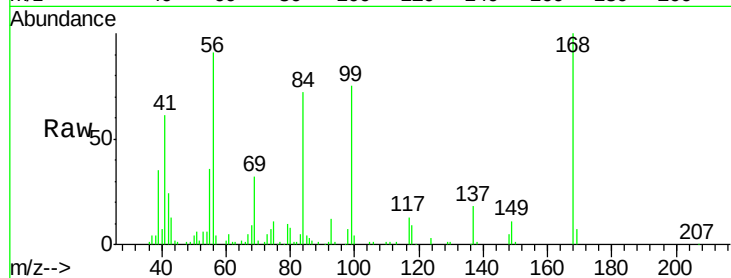
99 74.2 57.4 86.0

Manual Integrations

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9/9/2019 1:10:45 PM



#2

Dichlorodifluoromethane

Concen: 50.693 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN057708.D

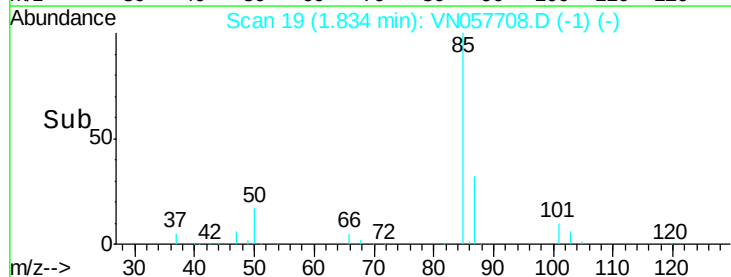
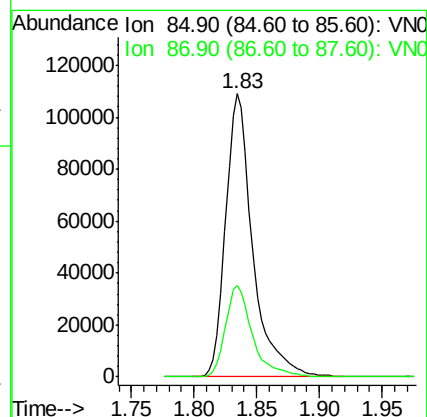
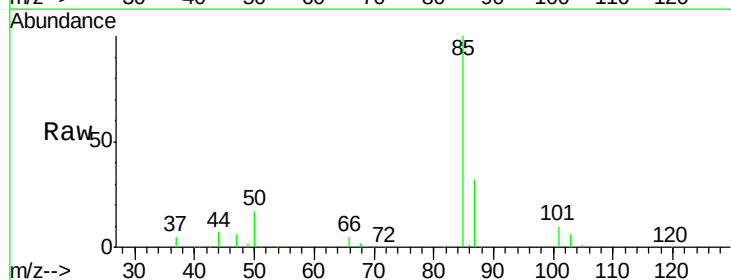
Acq: 5 Sep 2019 20:46

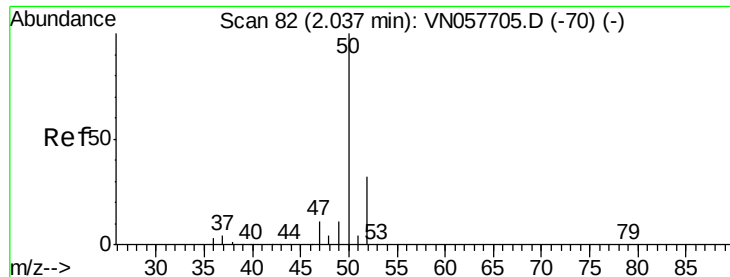
Tgt Ion: 85 Resp: 163414

Ion Ratio Lower Upper

85 100

87 32.4 17.0 51.0





#3

Chloromethane

Concen: 46.545 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

ICVVN090619

Tot Ion: 50 Resp: 174625

Ion Ratio Lower Upper

50 100

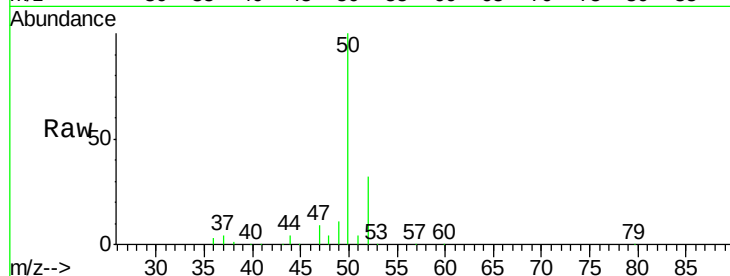
52 32.4 26.0 39.0

Manual Integrations

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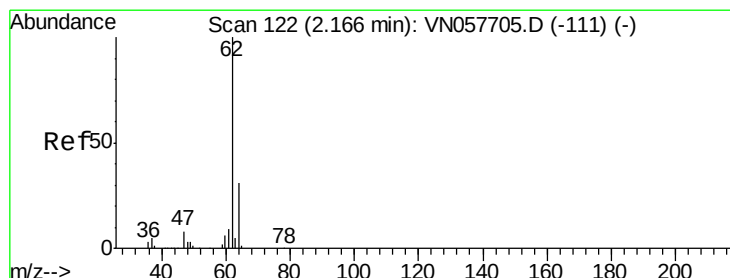
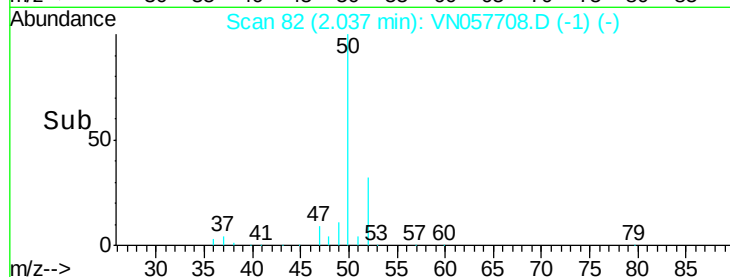
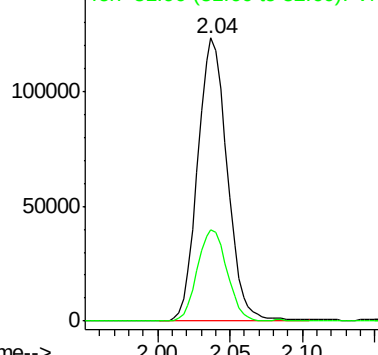
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 50.371 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN057708.D

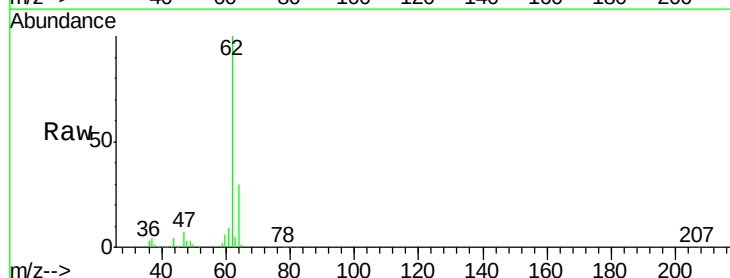
Acq: 5 Sep 2019 20:46

Tgt Ion: 62 Resp: 140621

Ion Ratio Lower Upper

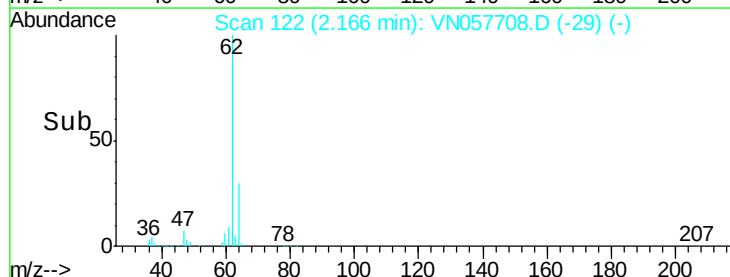
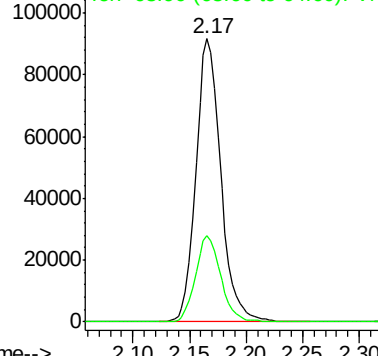
62 100

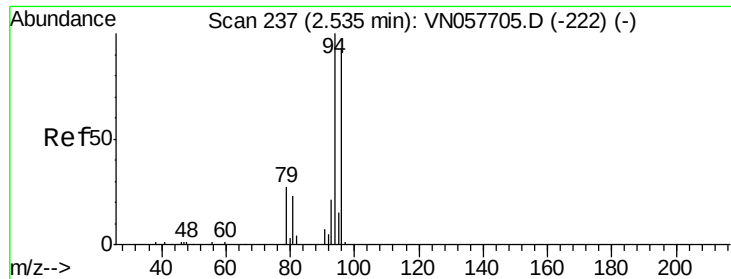
64 30.3 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 56.819 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

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ClientSampleId :

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Tot Ion: 94 Resp: 72850

Ion Ratio Lower Upper

94 100

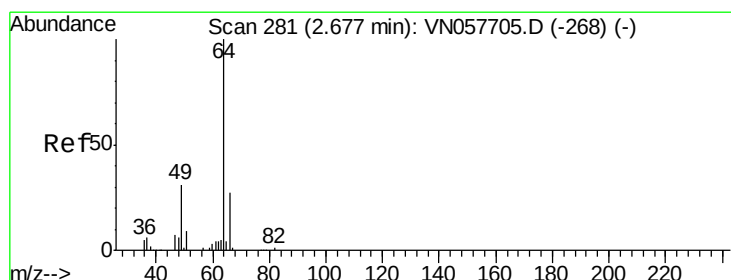
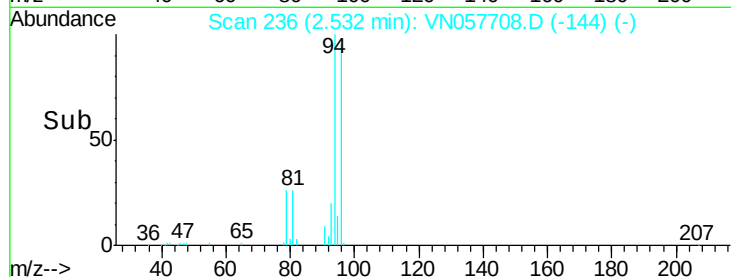
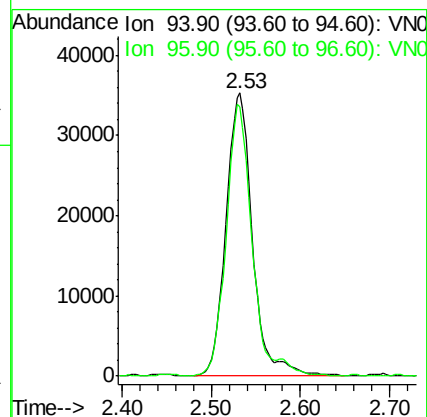
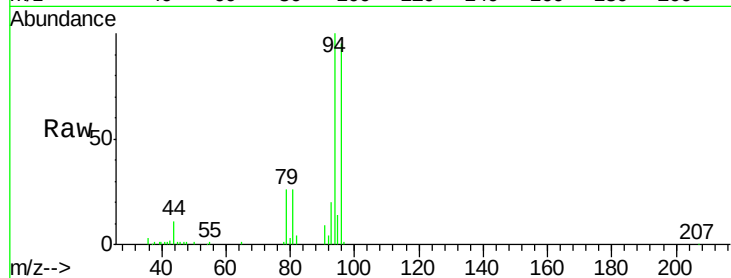
96 95.2 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 50.293 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN057708.D

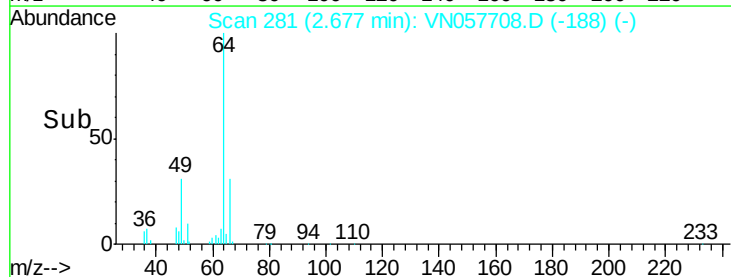
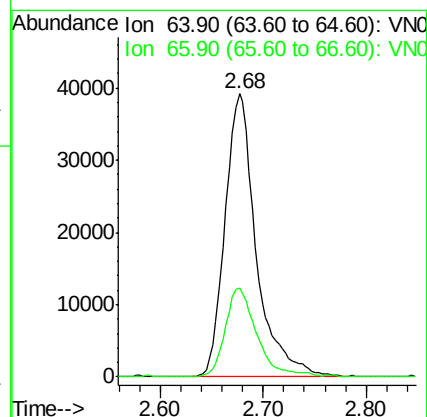
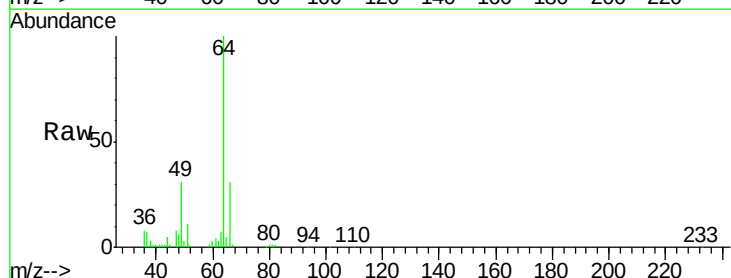
Acq: 5 Sep 2019 20:46

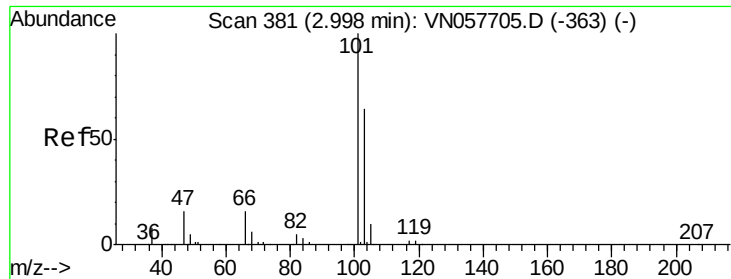
Tgt Ion: 64 Resp: 82889

Ion Ratio Lower Upper

64 100

66 31.3 22.0 33.0





#7

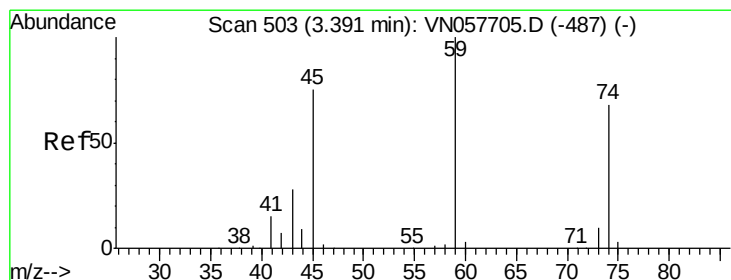
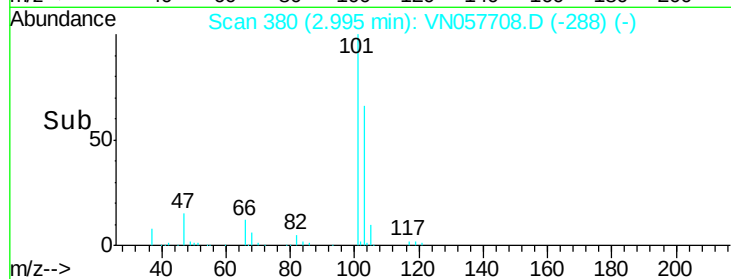
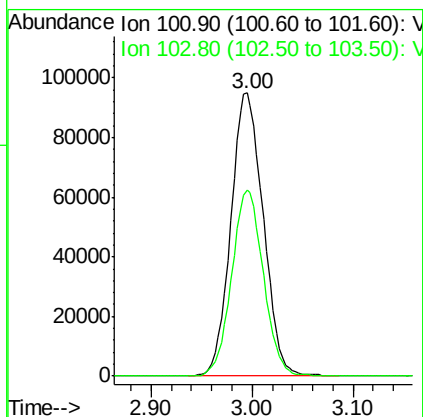
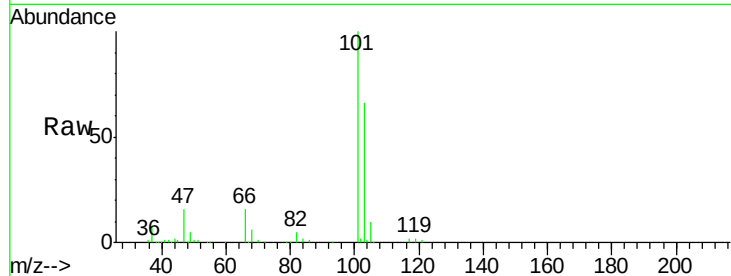
Trichlorofluoromethane
Concen: 47.232 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.4	77.0

Manual Integrations
APPROVED

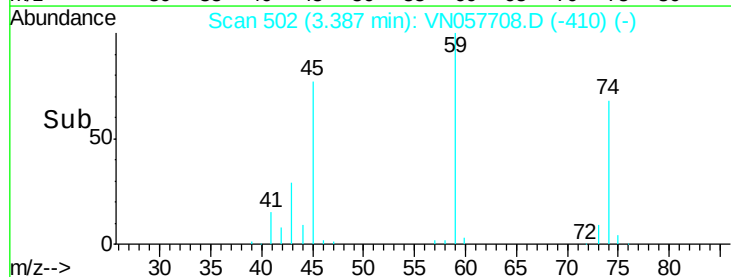
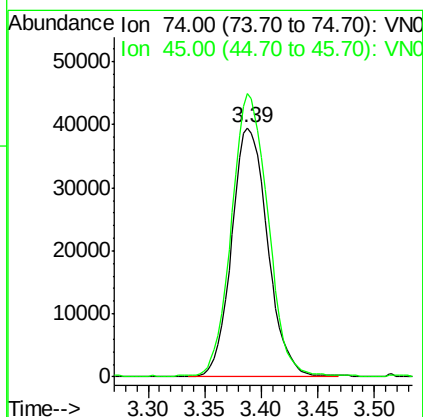
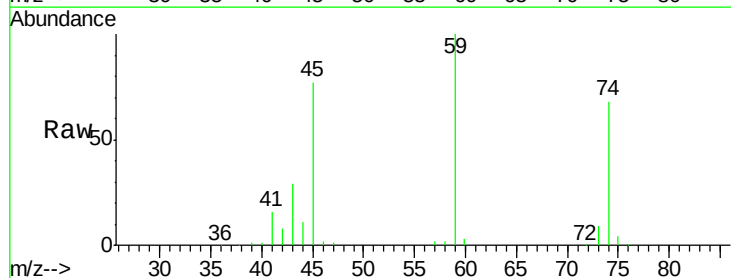
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9/9/2019 1:10:45 PM

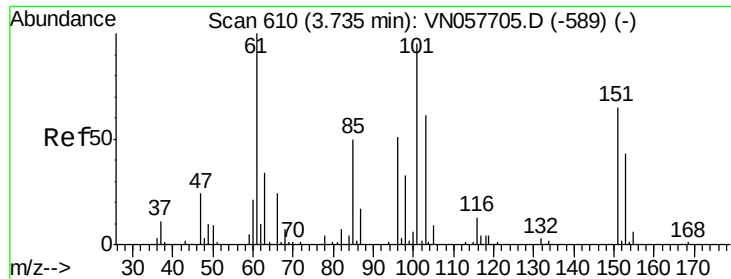


#8

Diethyl Ether
Concen: 48.954 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.6	55.4	166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.825 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

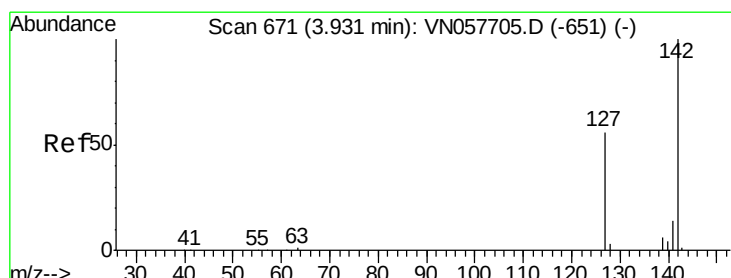
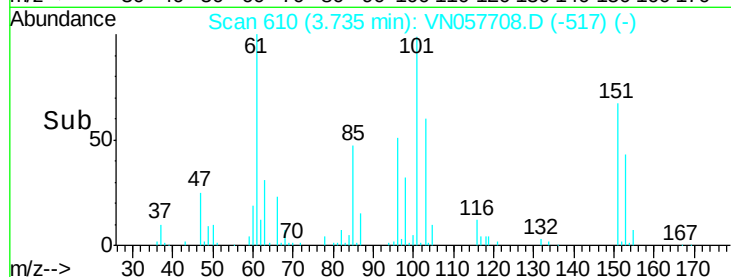
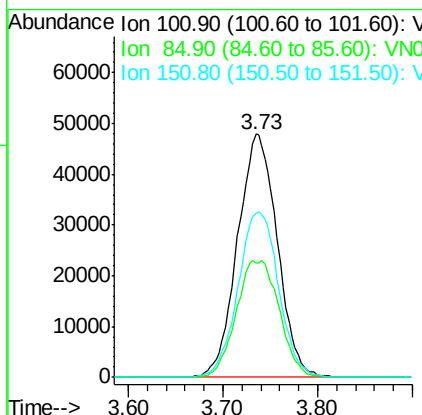
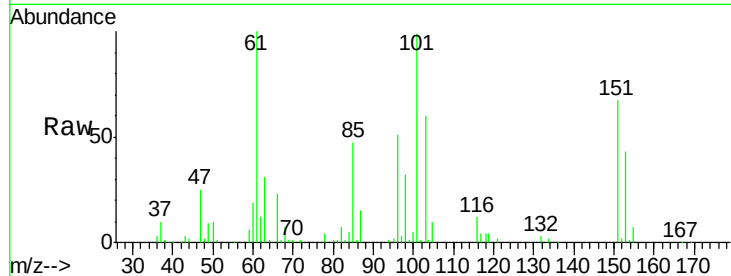
ClientSampleId :

ICVVN090619

Tot Ion:	101	Resp:	139318
Ion Ratio	Lower	Upper	
101	100		
85	51.9	42.8	64.2
151	69.8	55.5	83.3

Manual Integrations
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#10

Methyl Iodide

Concen: 55.979 ug/l

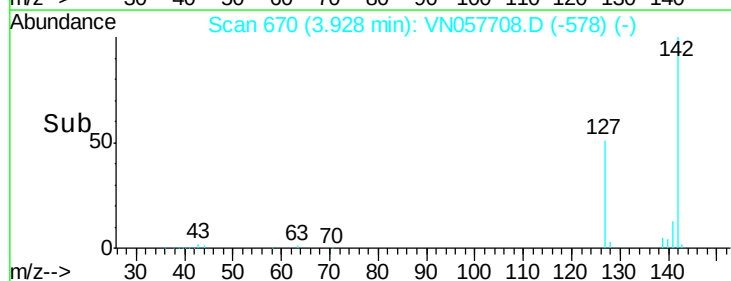
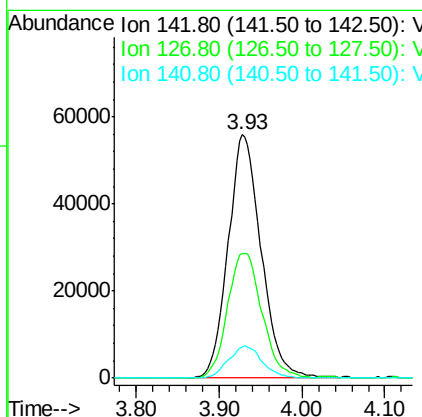
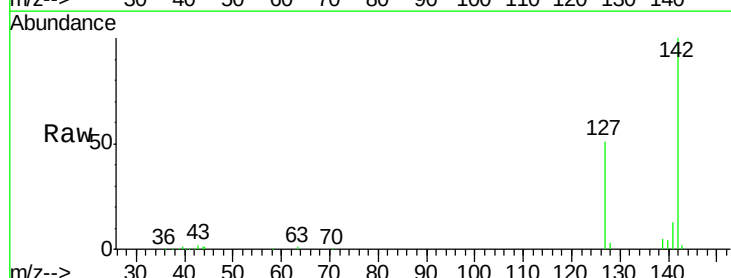
RT: 3.93 min Scan# 670

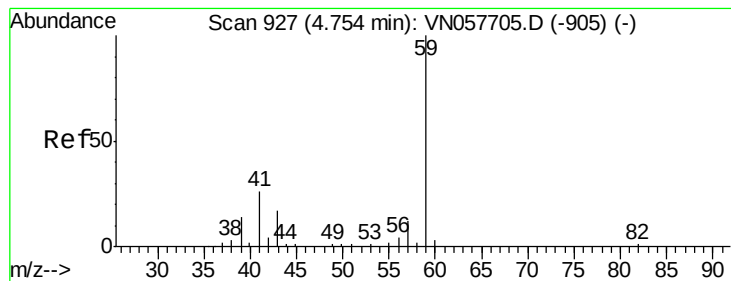
Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Tgt Ion:	142	Resp:	155084
Ion Ratio	Lower	Upper	
142	100		
127	53.4	42.1	63.1
141	13.6	11.0	16.4





#11

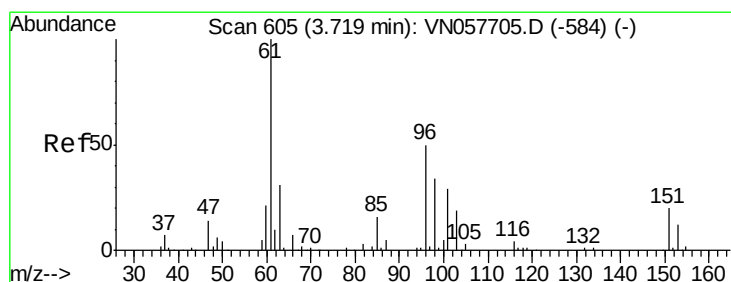
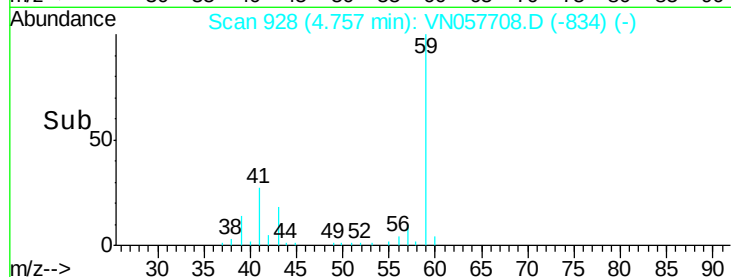
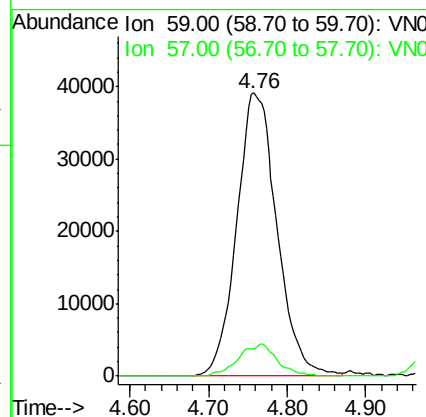
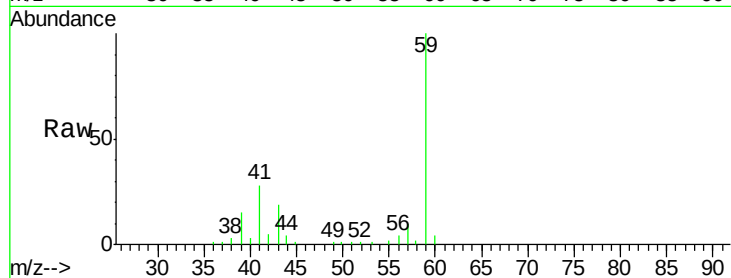
Tert butyl alcohol
 Concen: 249.808 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090619

Tot Ion	Ratio	Resp	Lower	Upper
59	100	140160		
57	4.7	8.9	13.3#	

Manual Integrations
 APPROVED

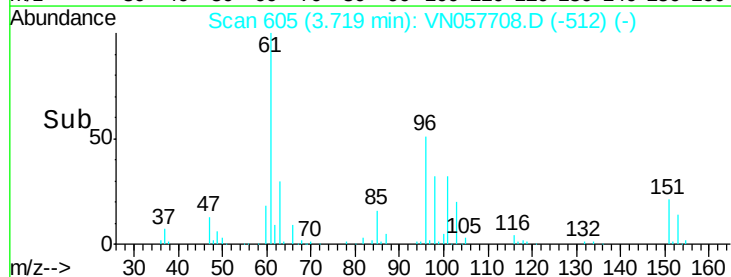
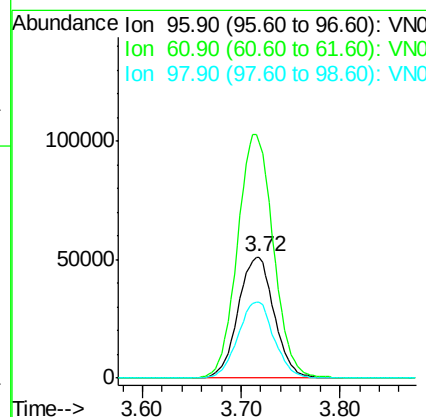
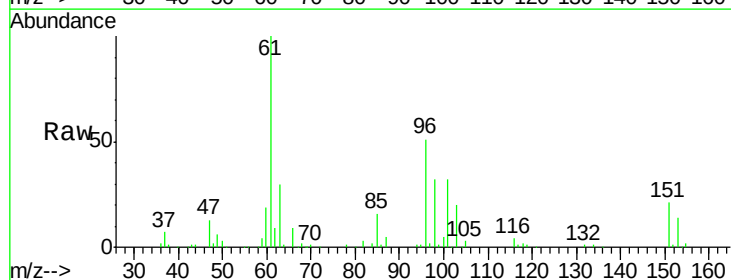
MMDadoda
 9/9/2019 1:10:45 PM

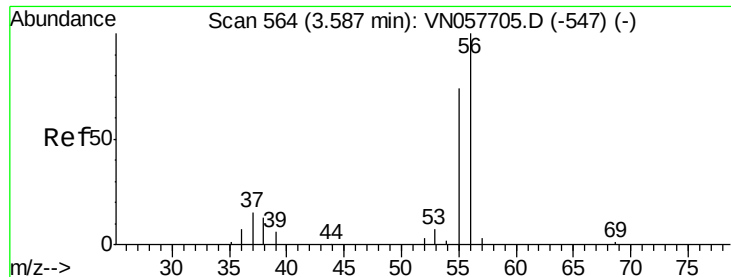


#12

1,1-Dichloroethene
 Concen: 51.370 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	129234		
61	194.6	158.7	238.1	
98	62.4	53.8	80.8	





#13

Acrolein

Concen: 239.762 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090619

Tot Ion: 56 Resp: 63976

Ion Ratio Lower Upper

56 100

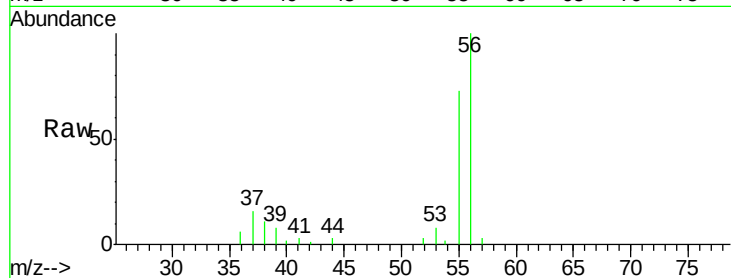
55 73.3 55.4 83.0

Manual Integrations

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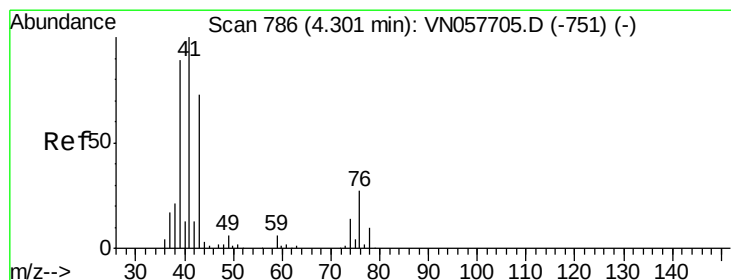
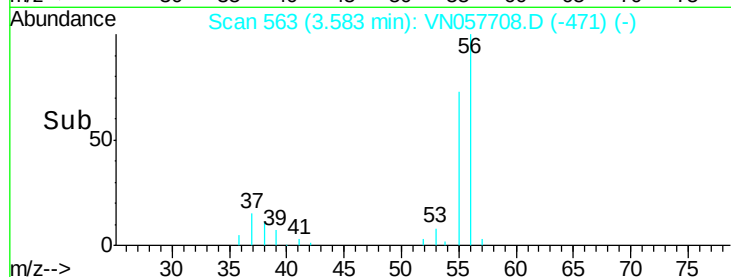
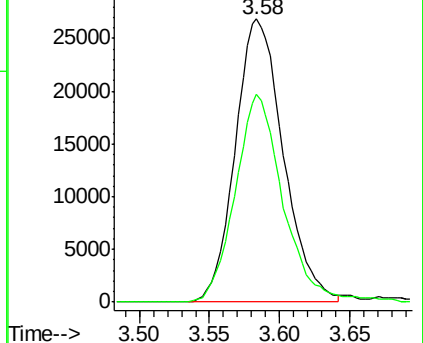
MMDadoda

9/9/2019 1:10:45 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.669 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

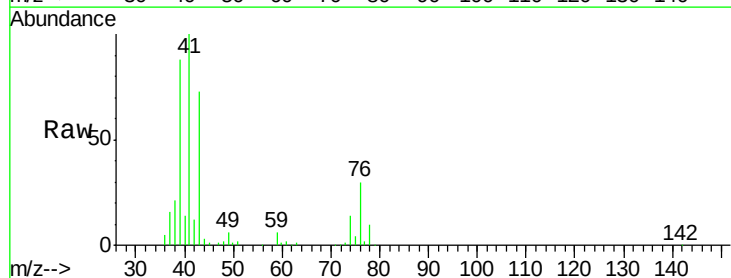
Tgt Ion: 41 Resp: 291294

Ion Ratio Lower Upper

41 100

39 82.5 67.5 101.3

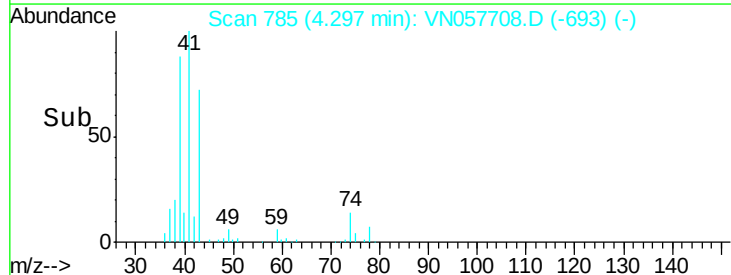
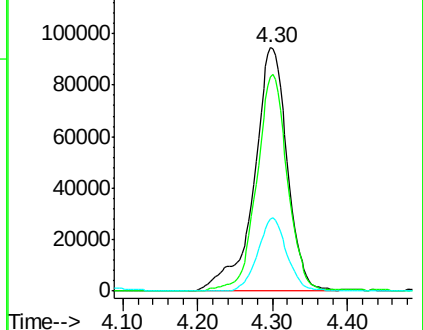
76 26.3 21.4 32.2

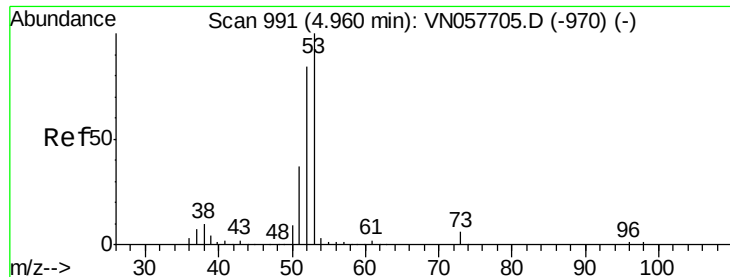


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 257.163 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

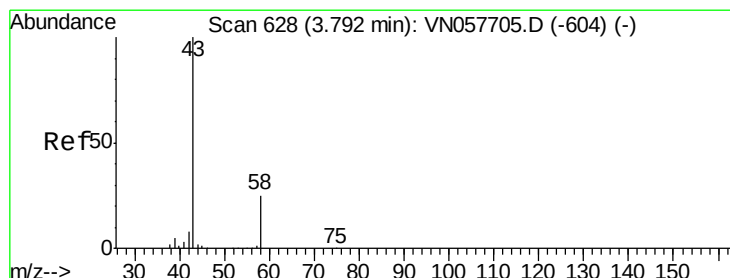
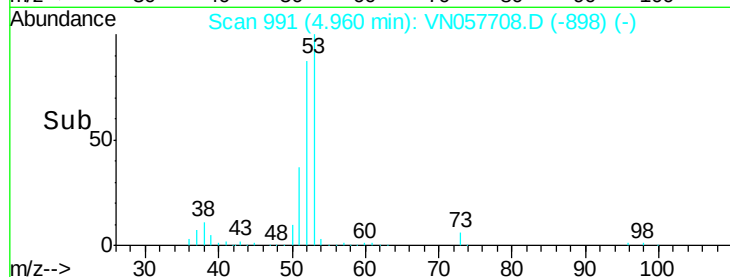
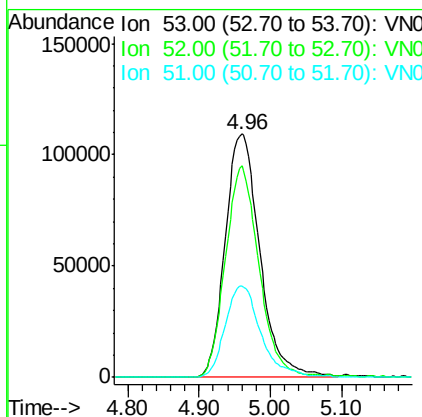
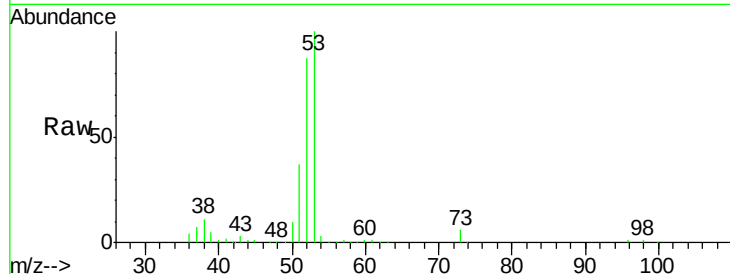
ClientSampled :

ICVVN090619

Tot Ion:	53	Resp:	370955
Ion	Ratio	Lower	Upper
53	100		
52	84.0	68.1	102.1
51	38.7	30.4	45.6

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 236.289 ug/l

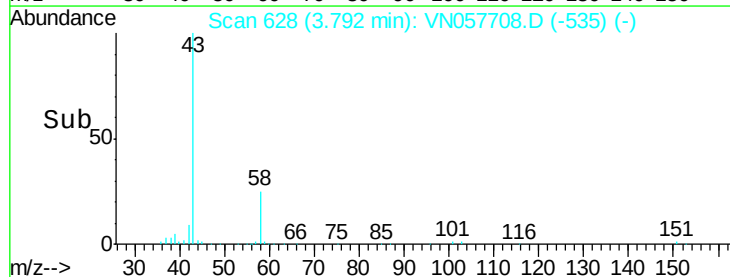
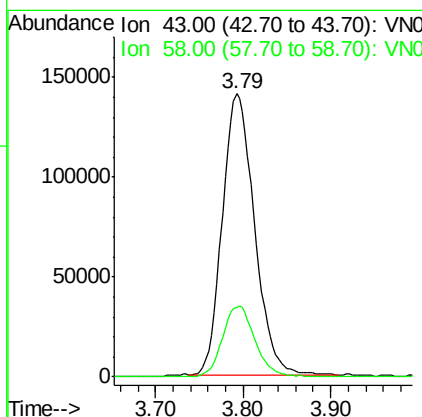
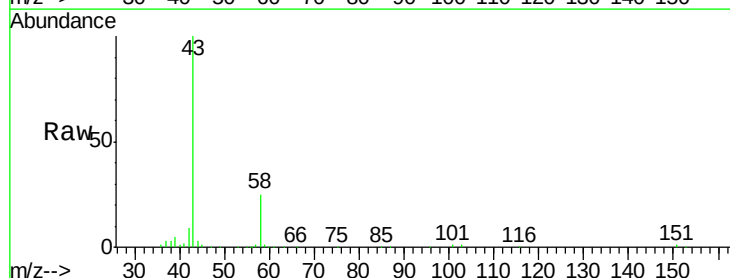
RT: 3.79 min Scan# 628

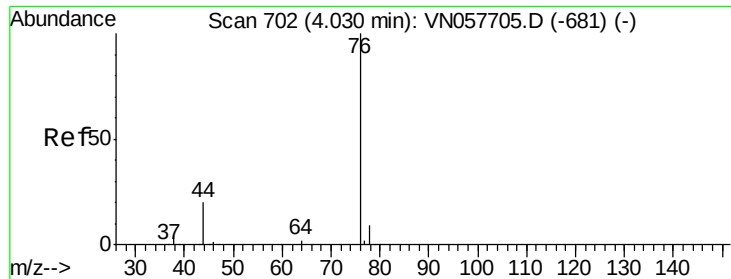
Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Tgt Ion:	43	Resp:	359081
Ion	Ratio	Lower	Upper
43	100		
58	24.9	19.8	29.8





#17

Carbon Disulfide

Concen: 52.192 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090619

Tot Ion: 76 Resp: 297488

Ion Ratio Lower Upper

76 100

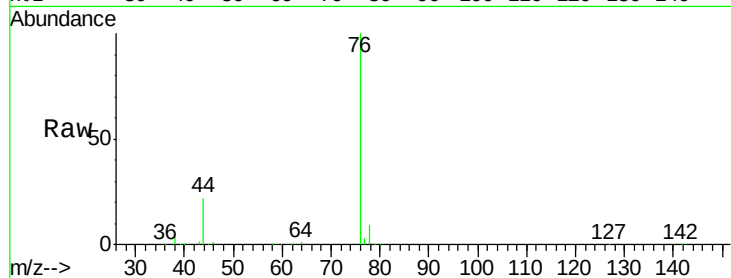
78 8.9 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

9/9/2019 1:10:45 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

120000

100000

80000

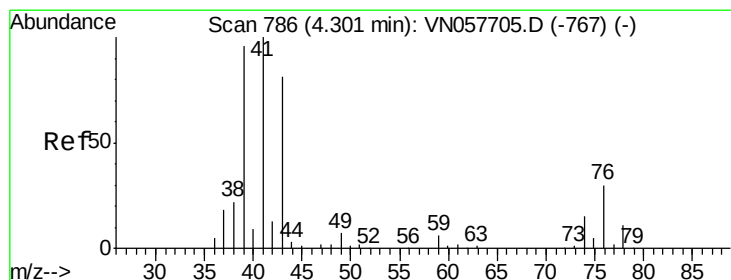
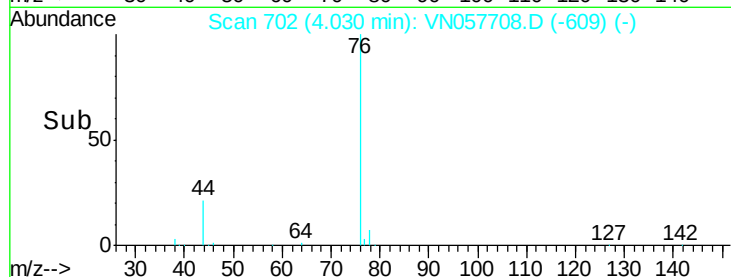
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 48.350 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057708.D

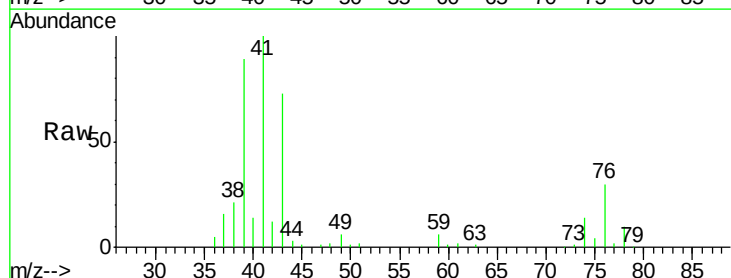
Acq: 5 Sep 2019 20:46

Tgt Ion: 43 Resp: 199809

Ion Ratio Lower Upper

43 100

74 19.4 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

80000

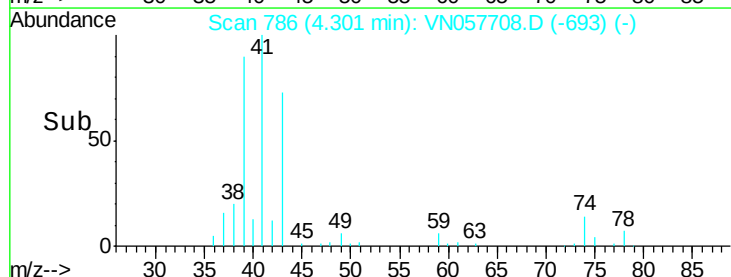
60000

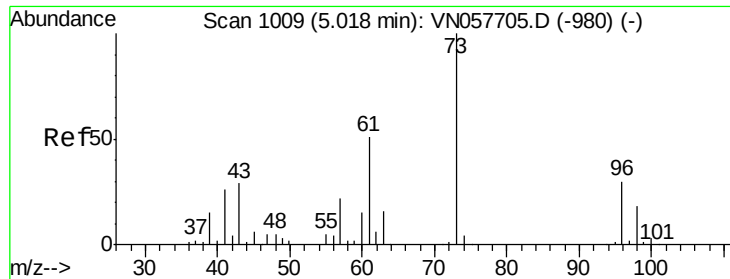
40000

20000

0

Time-->





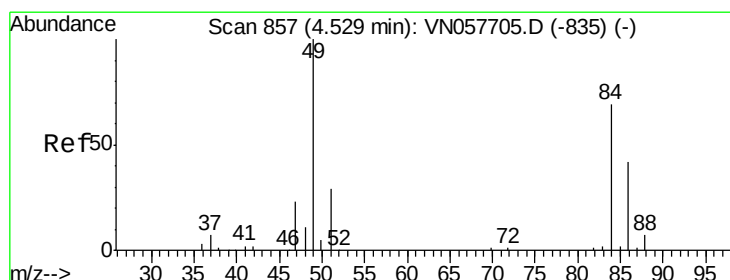
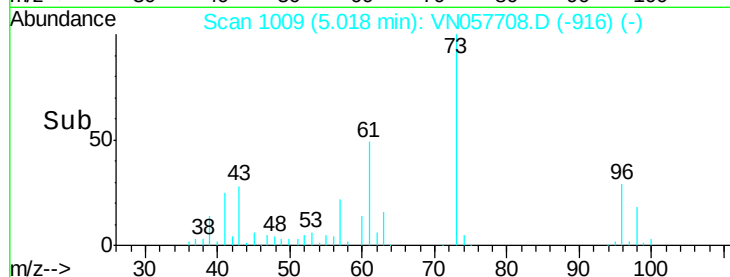
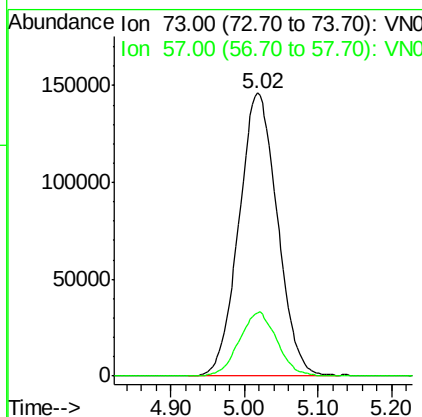
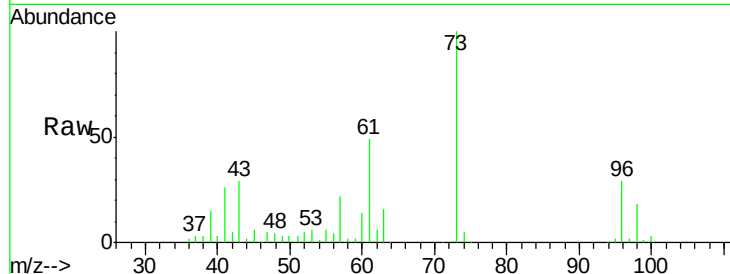
#19
Methvl tert-butvl Ether
Concen: 50.385 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

Tot Ion: 73 Resp: 532157
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5

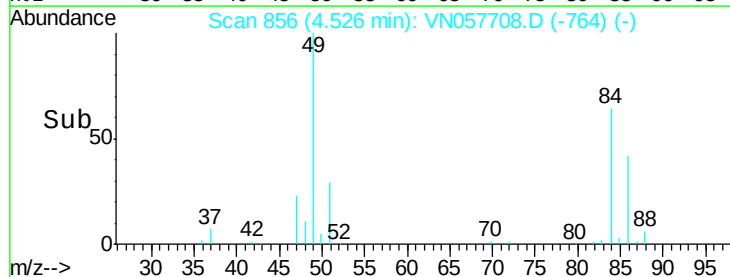
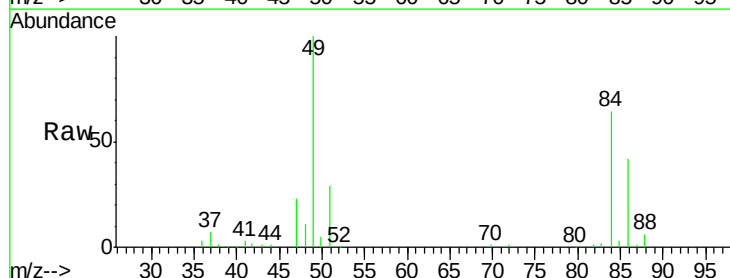
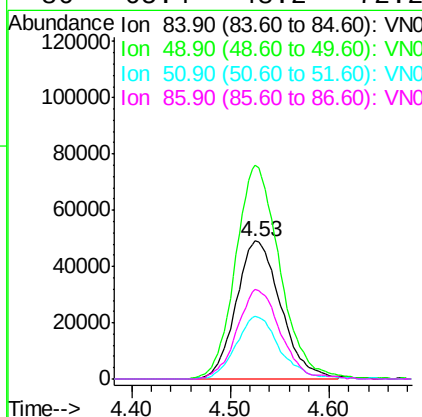
Manual Integrations
APPROVED

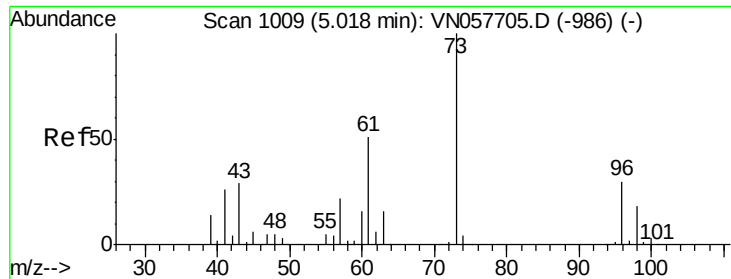
MMDadoda
9/9/2019 1:10:45 PM



#20
Methylene Chloride
Concen: 46.871 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion: 84 Resp: 154010
Ion Ratio Lower Upper
84 100
49 155.2 115.0 172.6
51 45.3 33.8 50.8
86 65.4 48.2 72.2





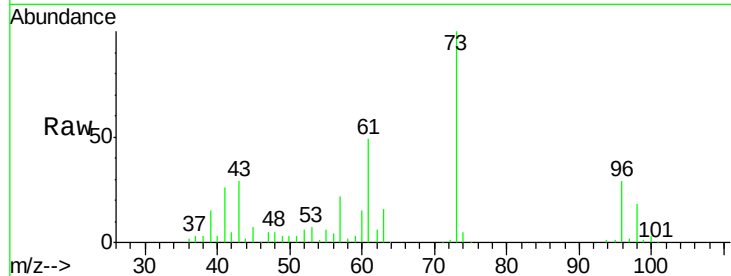
#21
trans-1,2-Dichloroethene
Concen: 50.540 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.9	135.8	203.8
98	61.4	49.0	73.6

Manual Integrations
APPROVED

MMDadoda
9/9/2019 1:10:45 PM

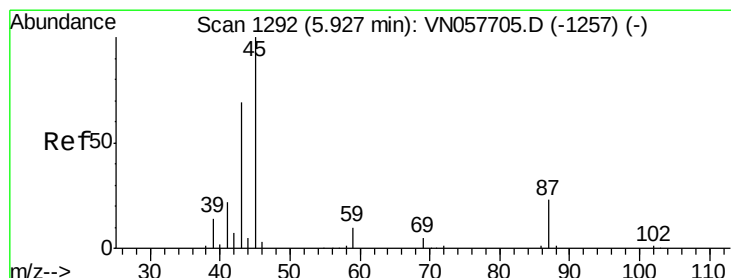
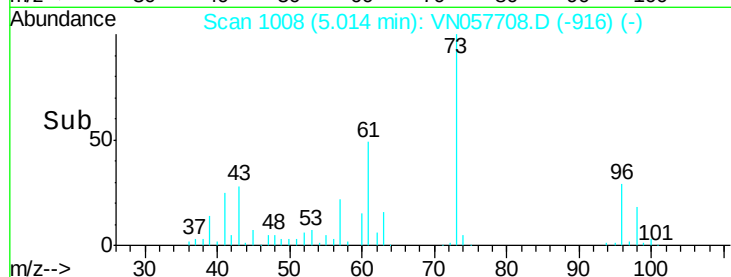
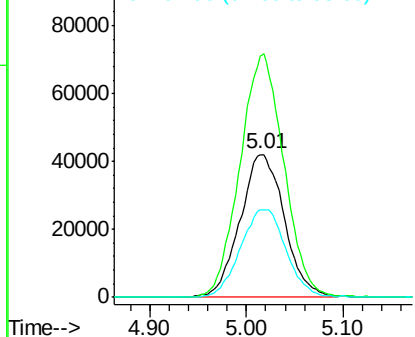


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 50.314 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.6	55.5	83.3
87	22.9	18.6	28.0
59	9.7	7.9	11.9

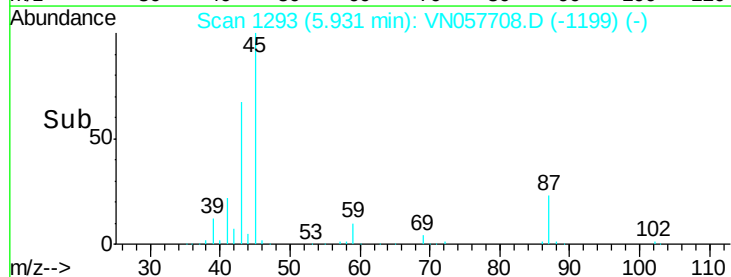
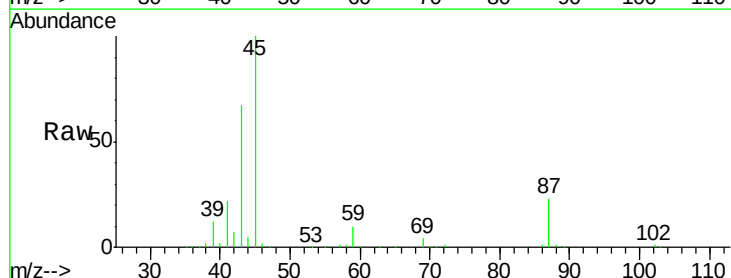
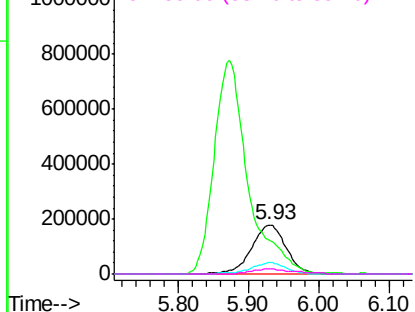
Abundance

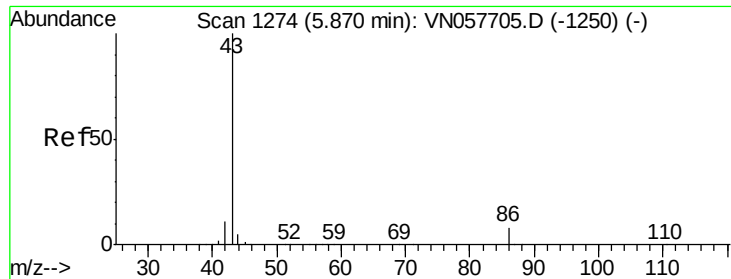
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 265.726 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090619

Tot Ion: 43 Resp: 2615664

Ion Ratio Lower Upper

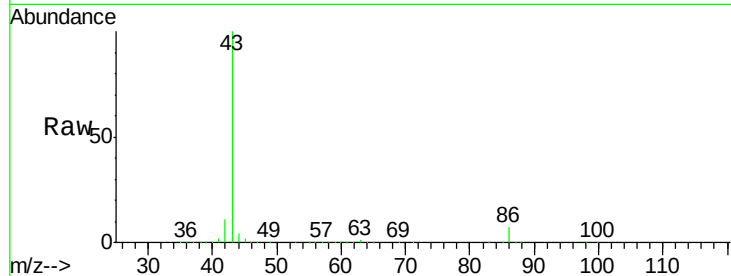
43 100

86 7.3 6.2 9.4

Manual Integrations
APPROVED

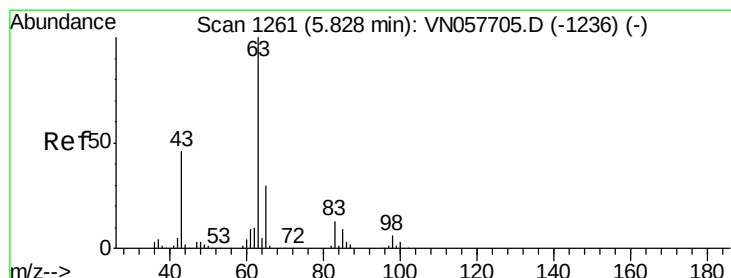
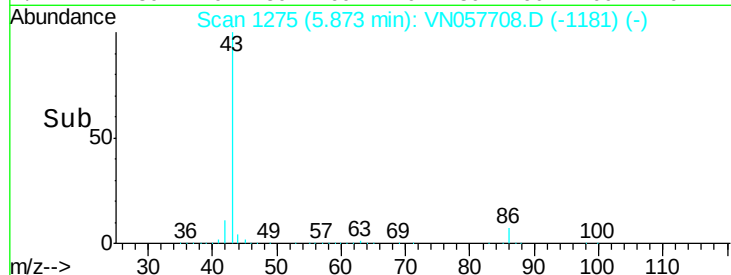
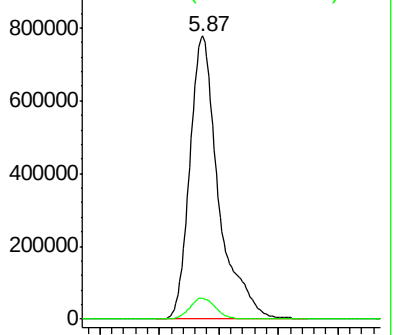
MMDadoda

9/9/2019 1:10:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.008 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

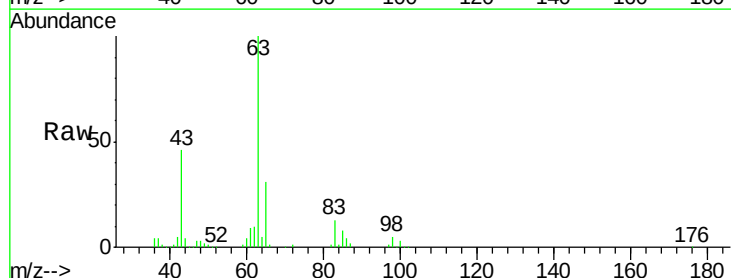
Tgt Ion: 63 Resp: 311830

Ion Ratio Lower Upper

63 100

98 4.8 2.9 8.8

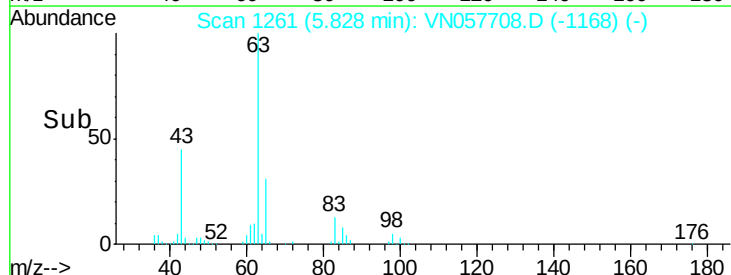
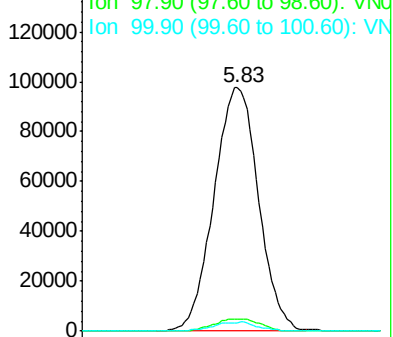
100 3.5 1.7 5.0

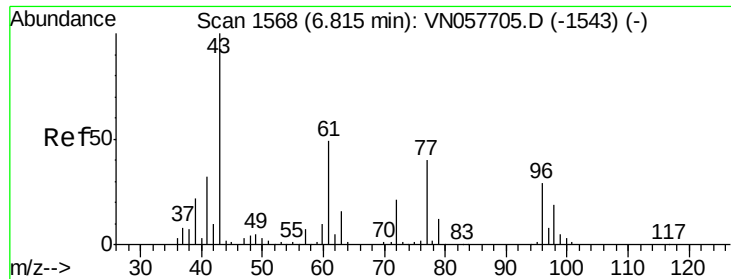


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 254.840 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090619

Tot Ion: 43 Resp: 554604

Ion Ratio Lower Upper

43 100

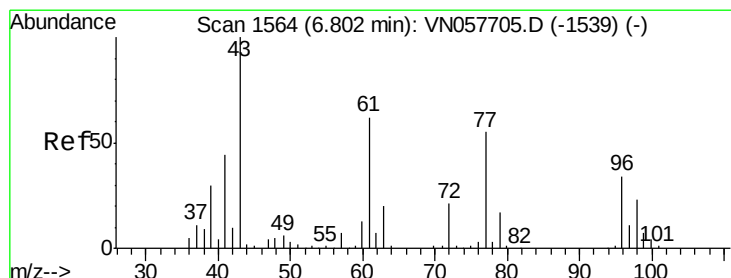
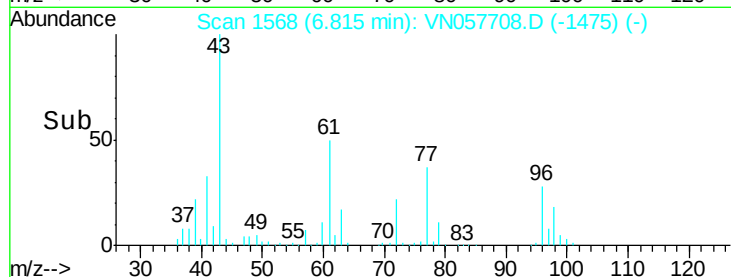
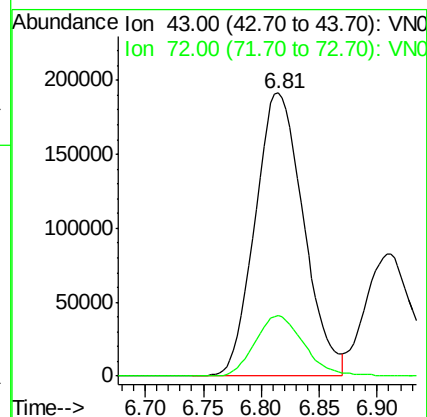
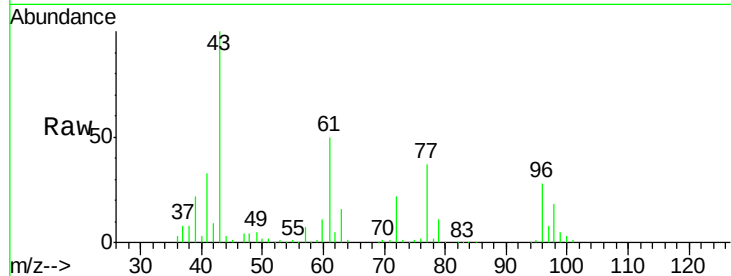
72 21.6 17.0 25.6

Manual Integrations

APPROVED

MMDadoda

9/9/2019 1:10:45 PM



#26

2,2-Dichloropropane

Concen: 49.857 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057708.D

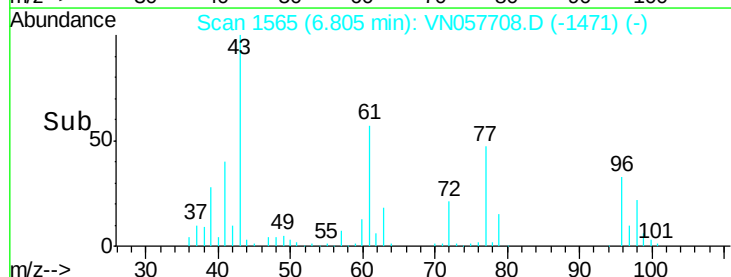
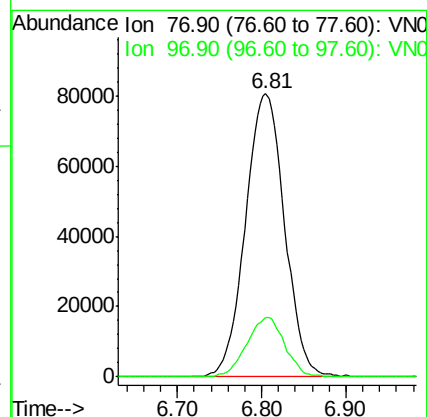
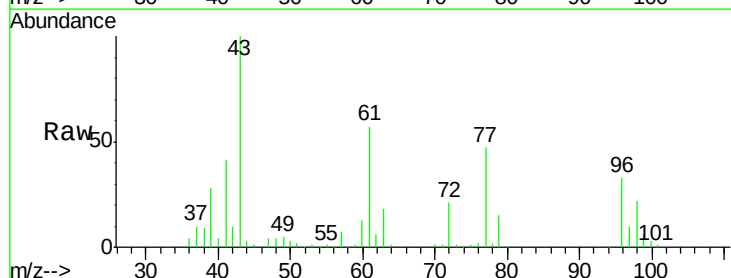
Acq: 5 Sep 2019 20:46

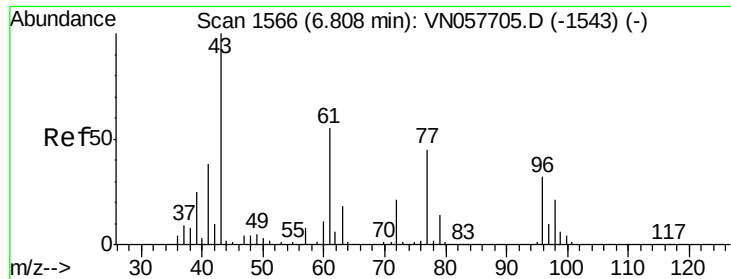
Tgt Ion: 77 Resp: 259360

Ion Ratio Lower Upper

77 100

97 20.4 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 50.448 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

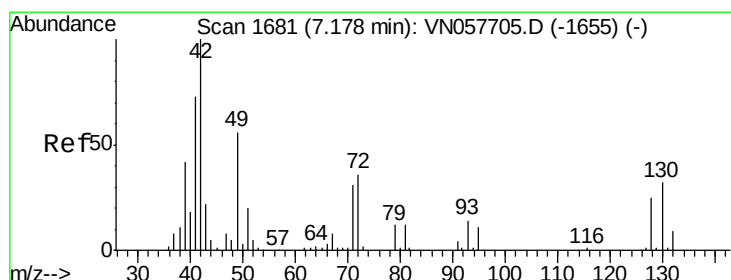
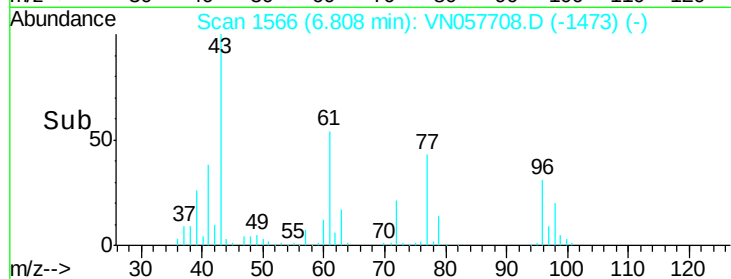
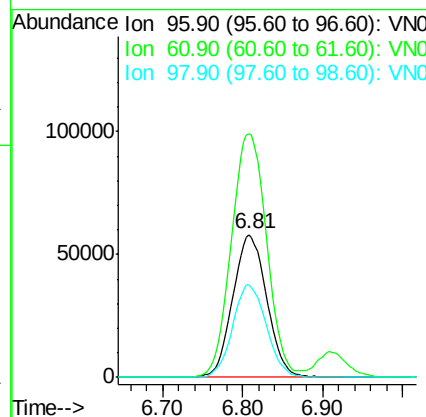
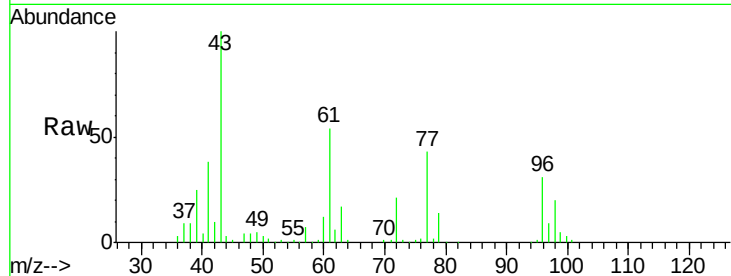
ClientSampleId :

ICVVN090619

Tot Ion:	96	Resp:	167628
Ion	Ratio	Lower	Upper
96	100		
61	176.8	0.0	360.6
98	64.3	0.0	130.6

Manual Integrations
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MMDadoda
9/9/2019 1:10:45 PM



#28

Bromochloromethane

Concen: 50.529 ug/l

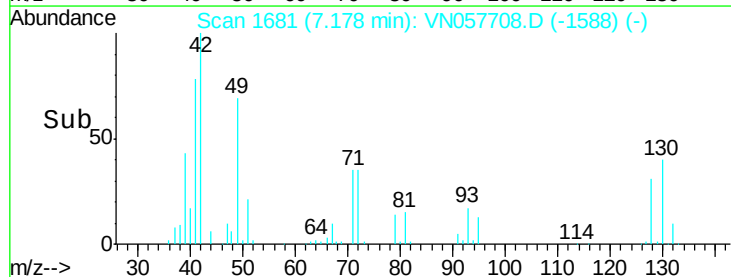
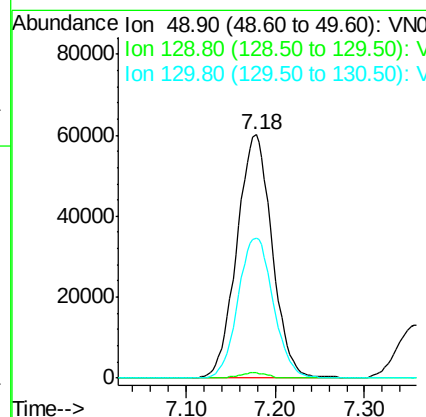
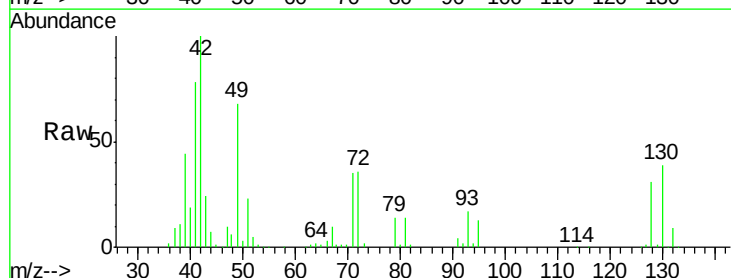
RT: 7.18 min Scan# 1681

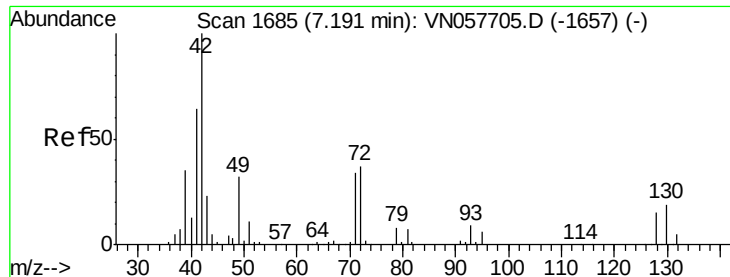
Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Tgt Ion:	49	Resp:	164857
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.4
130	57.6	45.8	68.8





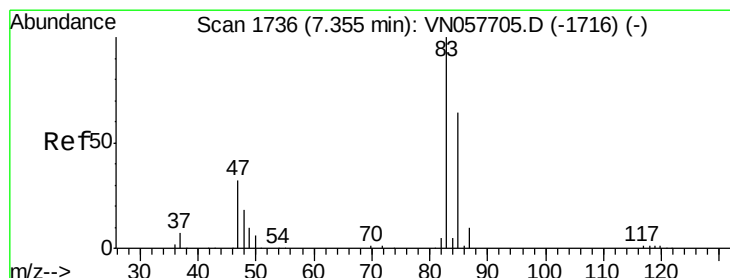
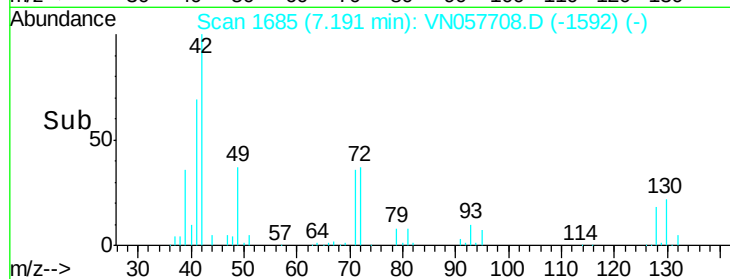
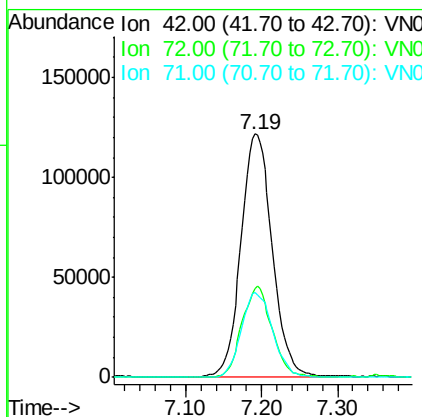
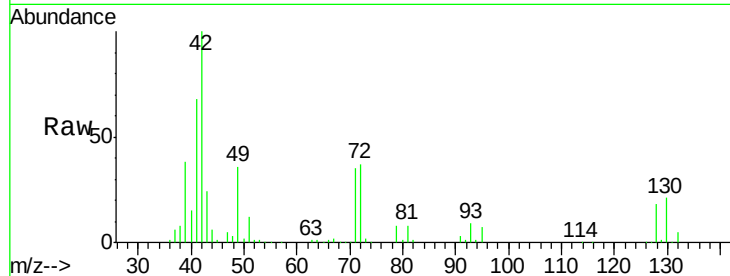
#29
Tetrahydrofuran
Concen: 247.442 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	29.2	43.8
71	35.0	27.0	40.4

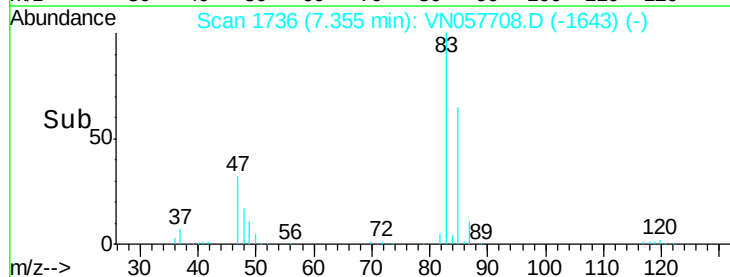
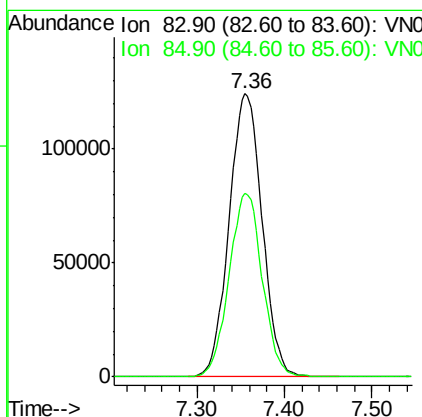
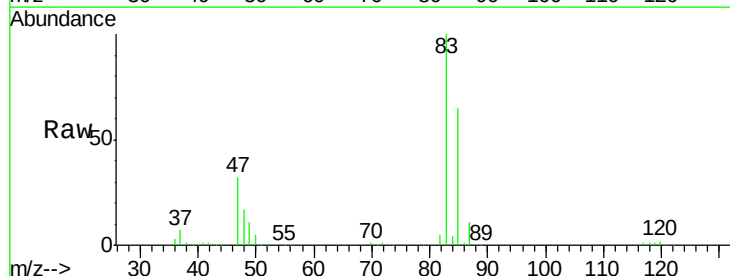
Manual Integrations
APPROVED

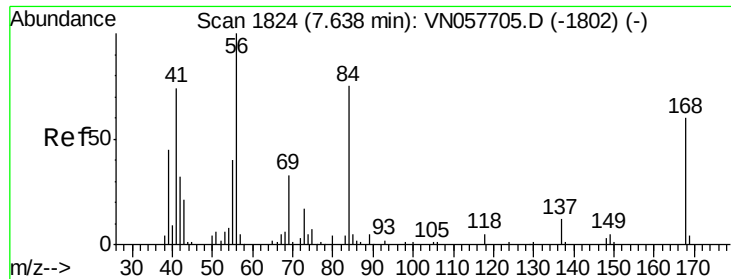
MMDadoda
9/9/2019 1:10:45 PM



#30
Chloroform
Concen: 50.115 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.3	76.9





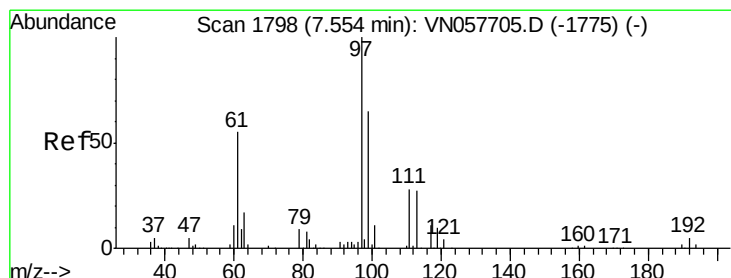
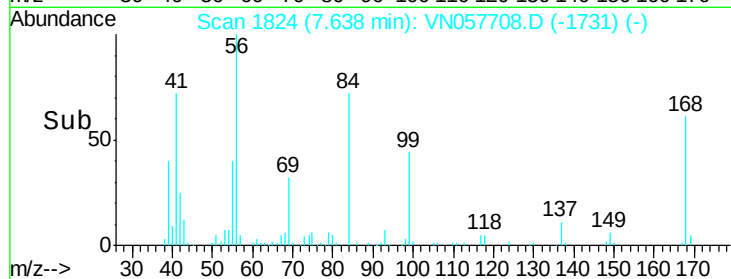
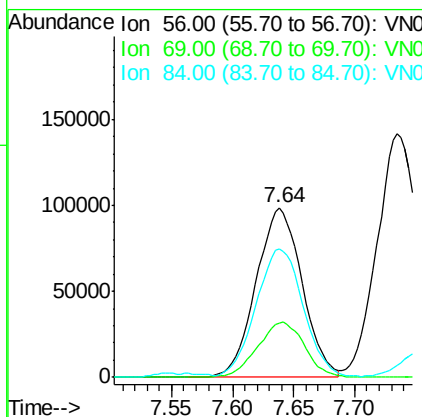
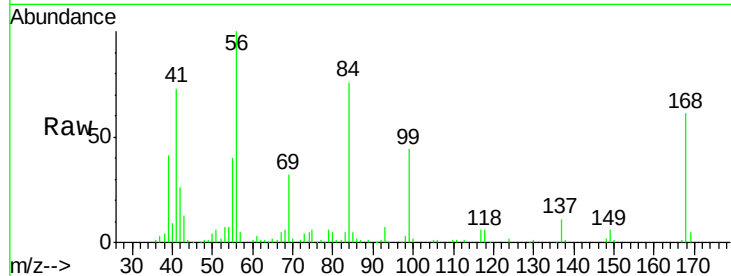
#31
Cyclohexane
Concen: 46.565 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.2	39.2
84	73.3	59.8	89.8

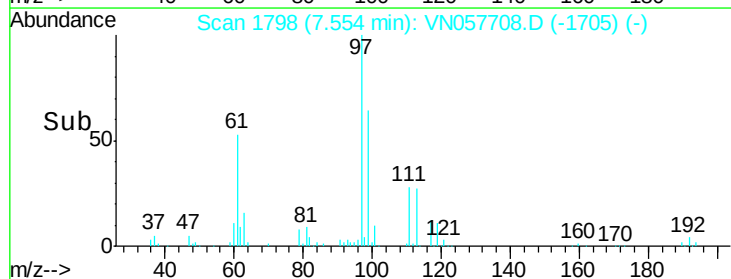
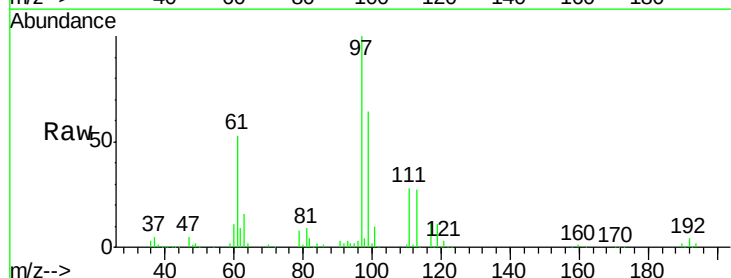
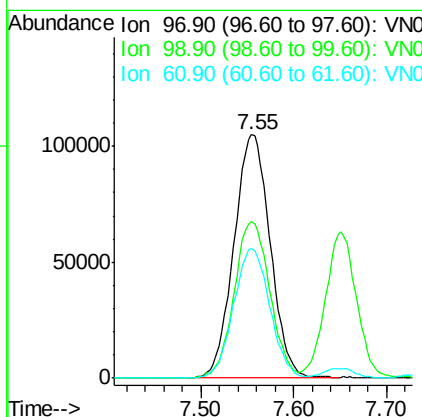
Manual Integrations
APPROVED

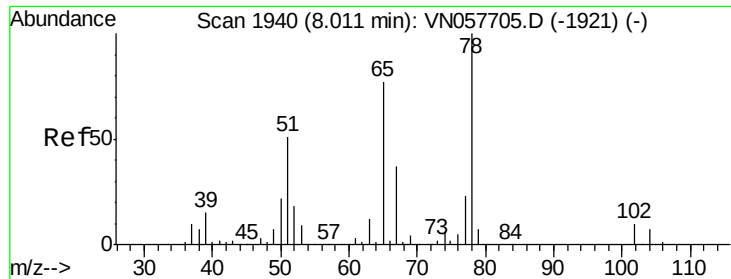
MMDadoda
9/9/2019 1:10:45 PM



#32
1,1,1-Trichloroethane
Concen: 52.595 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.2	76.8
61	53.2	42.8	64.2





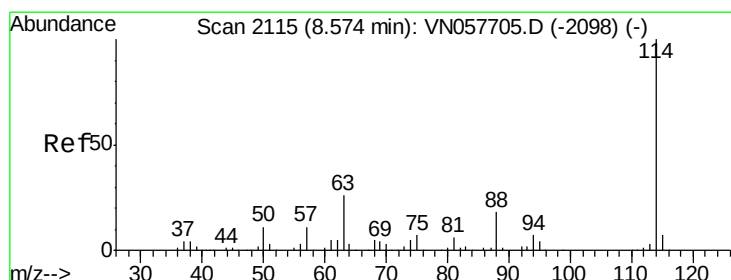
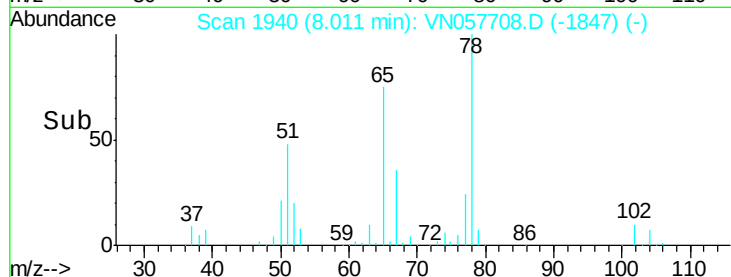
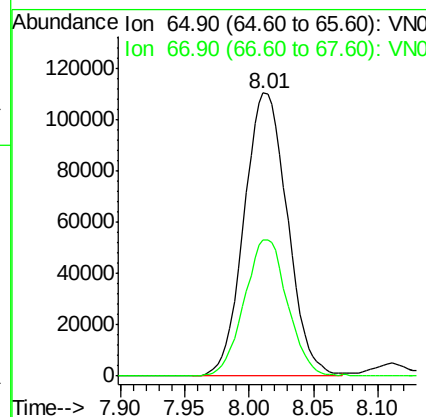
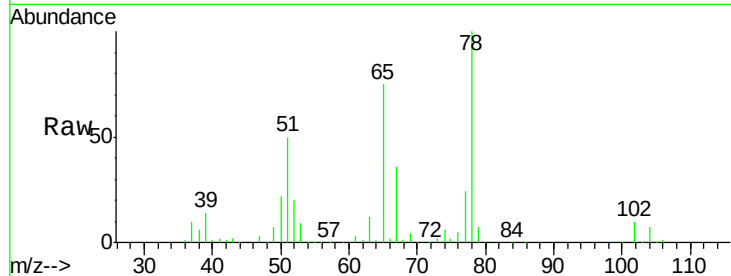
#33
 1,2-Dichloroethane-d4
 Concen: 52.422 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090619

Tot Ion	Ratio	Resp	Lower	Upper
65	100	258870		
67	48.2	0.0	98.2	

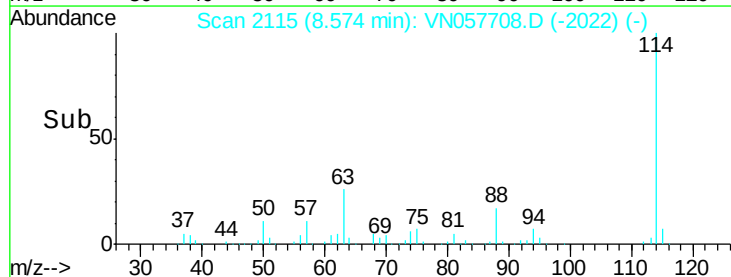
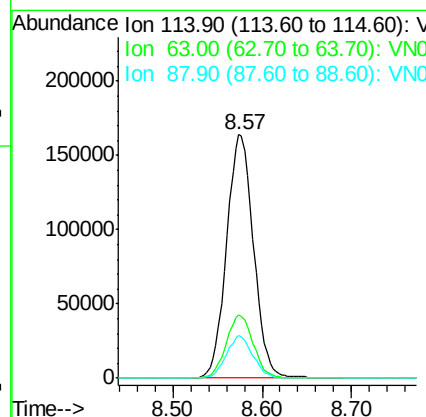
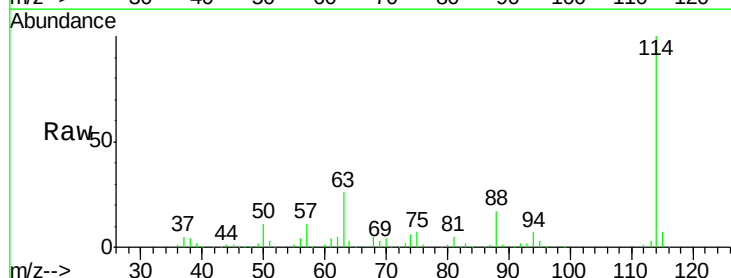
Manual Integrations
 APPROVED

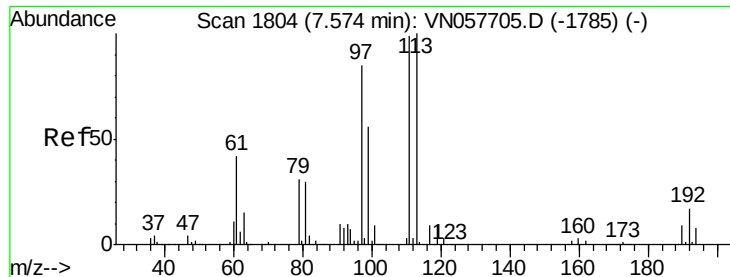
MMDadoda
 9/9/2019 1:10:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	342834		
63	25.8	0.0	52.4	
88	17.3	0.0	35.4	





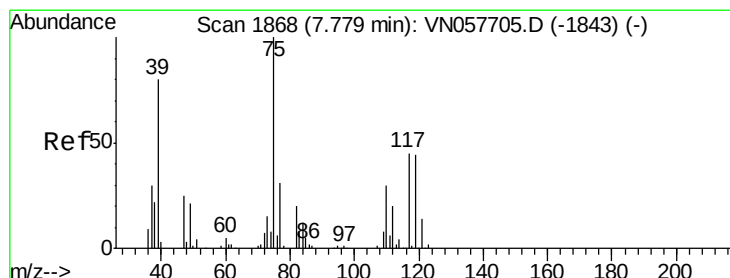
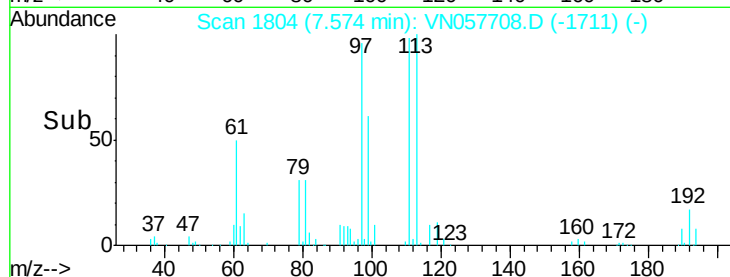
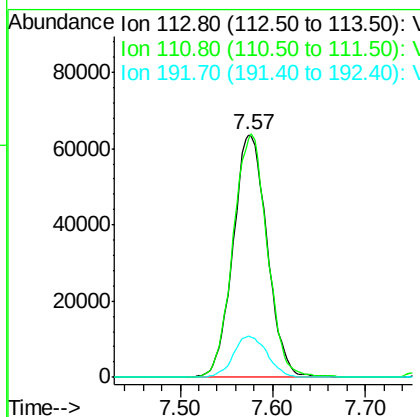
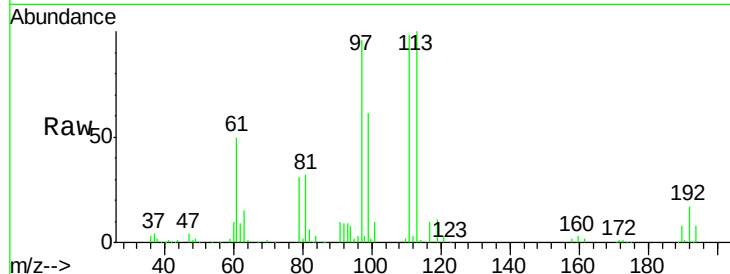
#35
 Dibromofluoromethane
 Concen: 51.925 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090619

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162146		
111	100.2	82.7	124.1	
192	17.0	13.8	20.6	

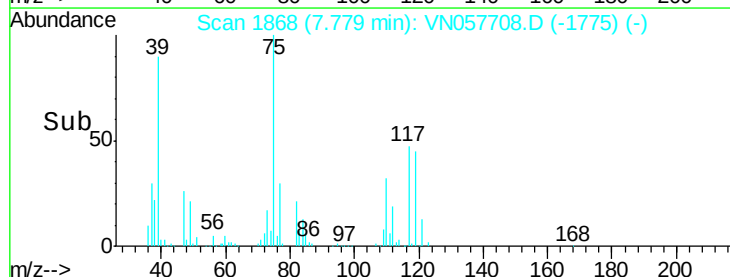
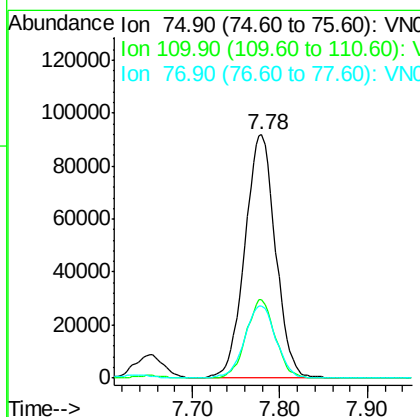
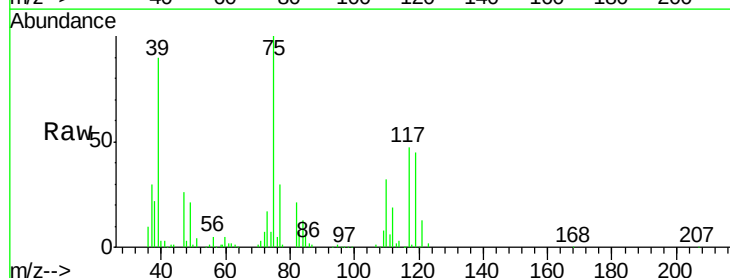
Manual Integrations
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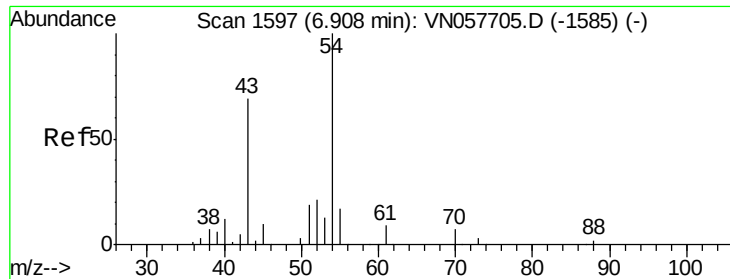
MMDadoda
 9/9/2019 1:10:45 PM



#36
 1,1-Dichloropropene
 Concen: 48.667 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	221966		
110	30.6	15.0	45.0	
77	30.7	24.6	37.0	





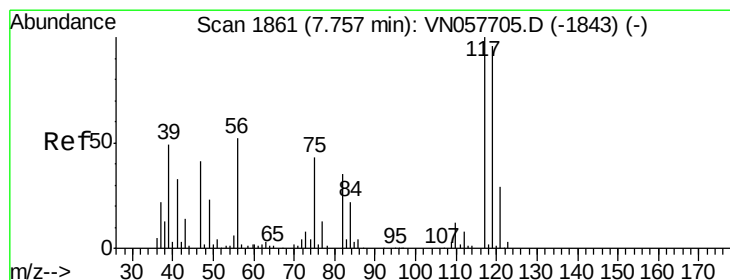
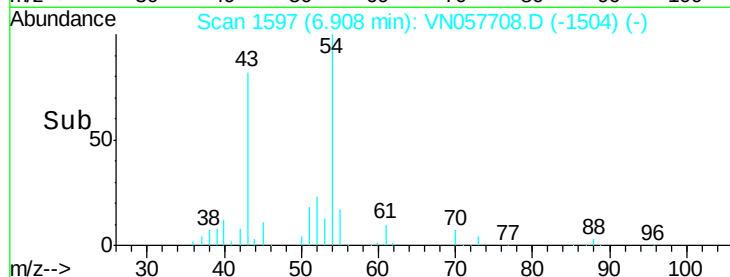
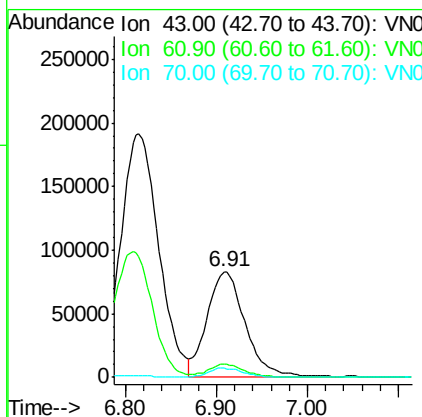
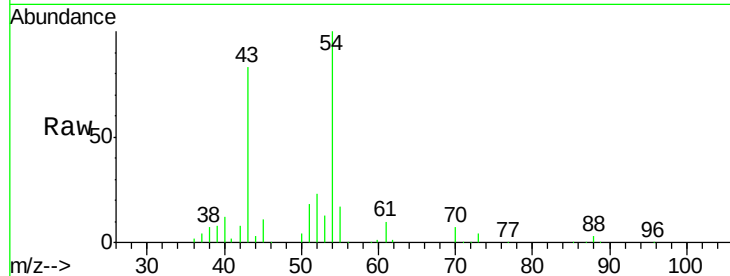
#37
Ethyl Acetate
Concen: 52.718 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	11.4	9.8	14.8	
70	8.4	6.7	10.1	

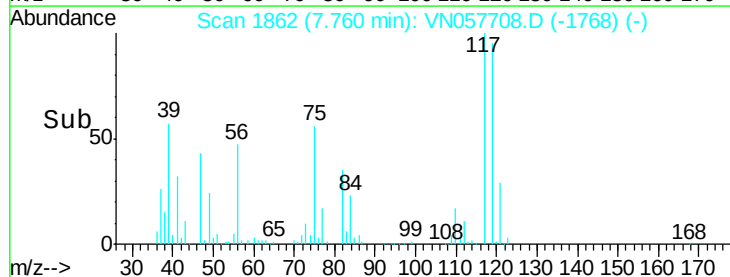
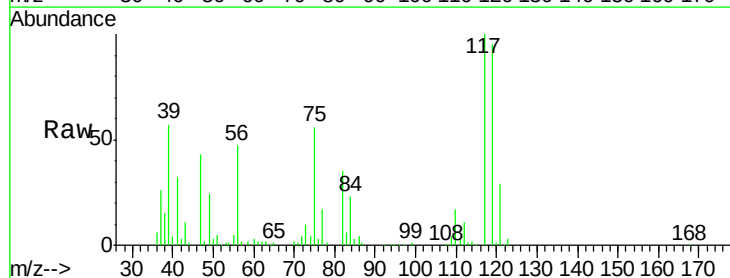
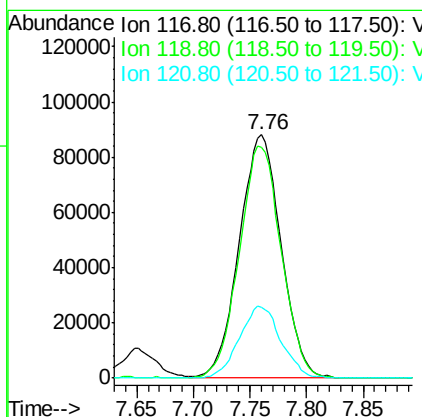
Manual Integrations
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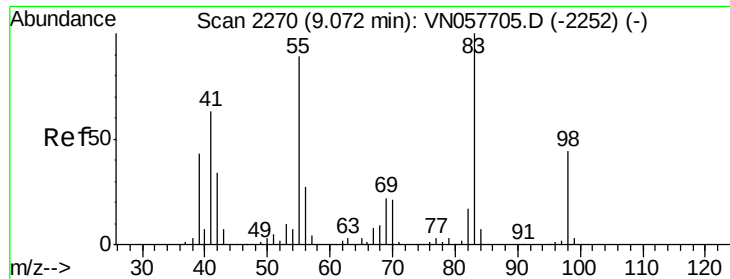
MMDadoda
9/9/2019 1:10:45 PM



#38
Carbon Tetrachloride
Concen: 51.526 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	95.2	76.1	114.1	
121	29.1	23.4	35.2	





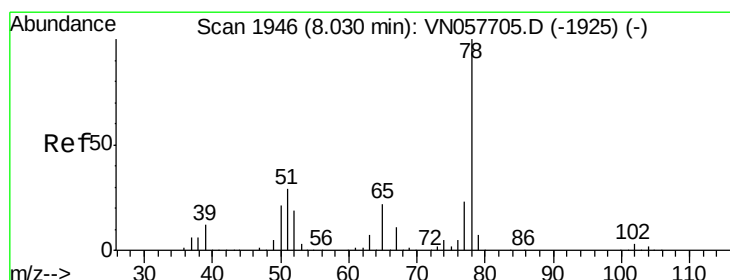
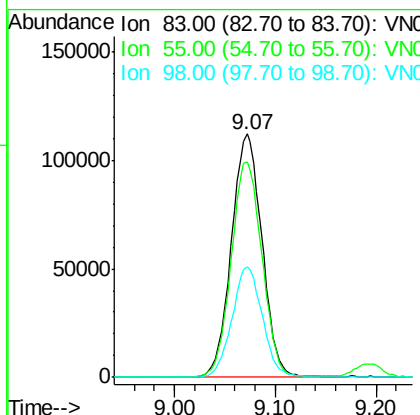
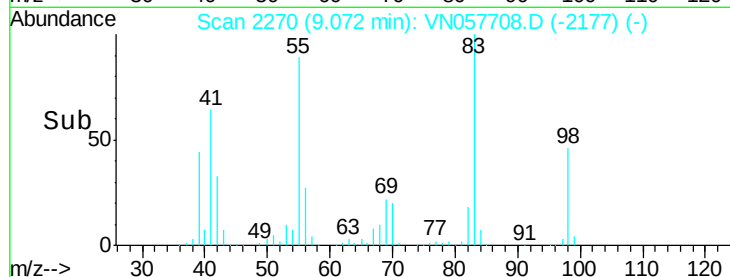
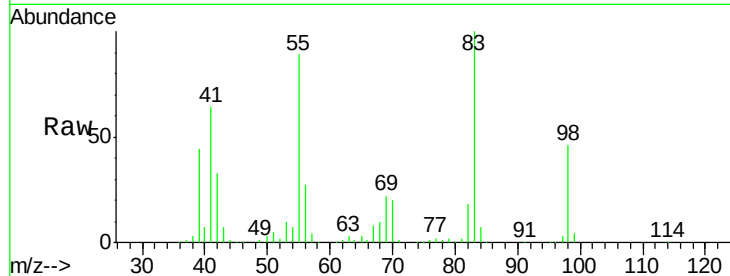
#39
Methylvlcyclohexane
Concen: 49.093 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampled :
ICVVN090619

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.7	71.4	107.0
98	45.5	35.3	52.9

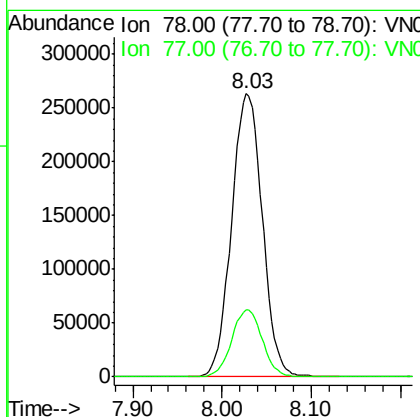
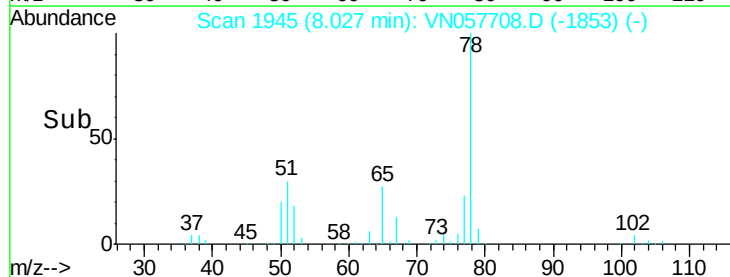
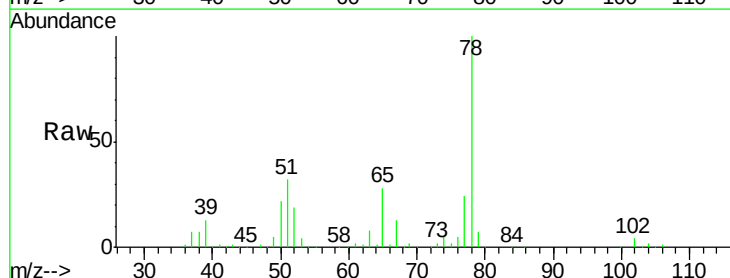
Manual Integrations
APPROVED

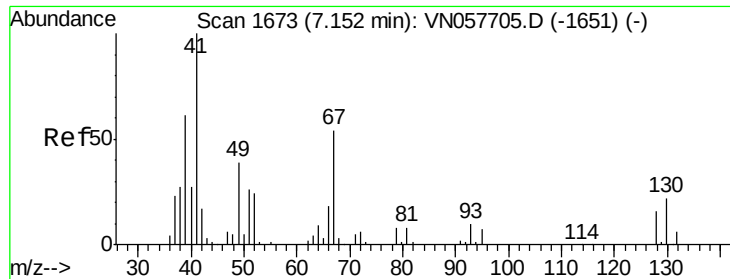
MMDadoda
9/9/2019 1:10:45 PM



#40
Benzene
Concen: 48.881 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





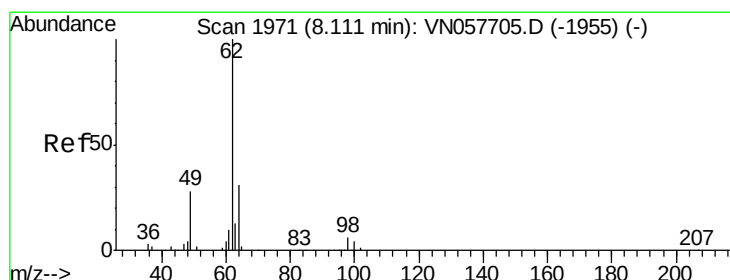
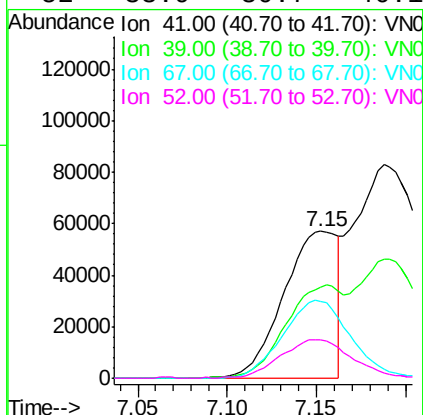
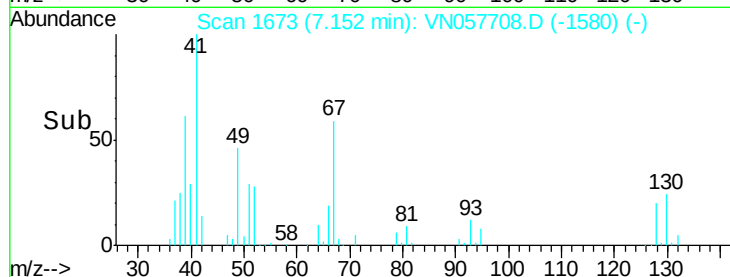
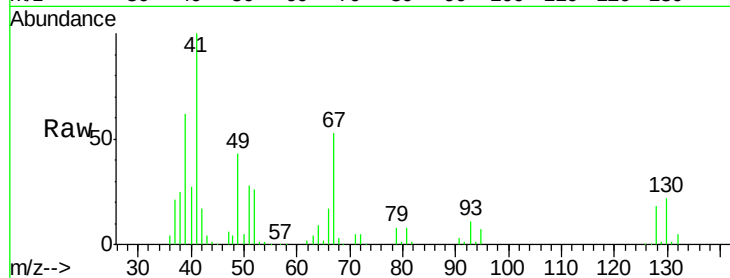
#41
Methacrylonitrile
Concen: 54.074 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

Tot Ion	41	Resp	119685
Ion	Ratio	Lower	Upper
41	100		
39	66.2	43.6	65.4#
67	67.3	59.8	89.6
52	33.9	30.7	46.1

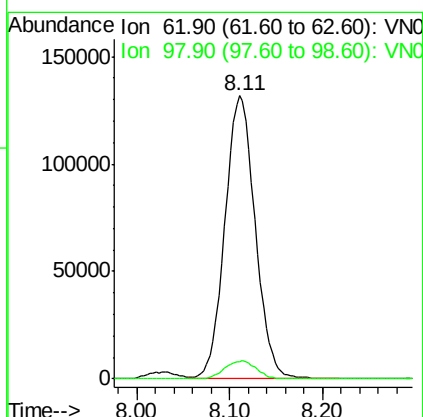
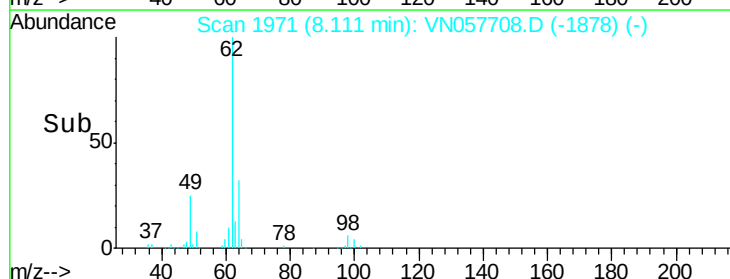
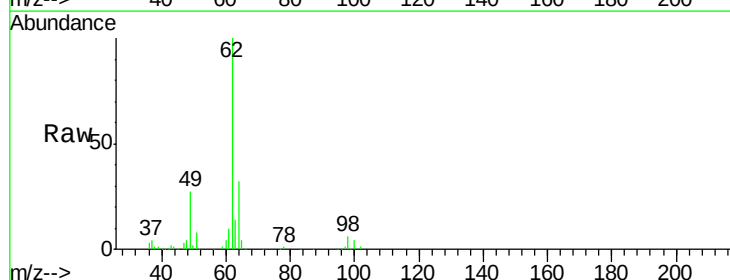
Manual Integrations
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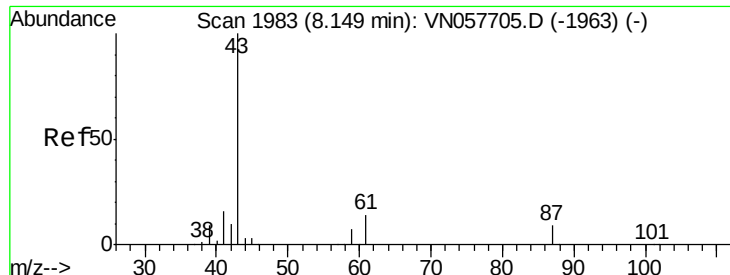
MMDadoda
9/9/2019 1:10:45 PM



#42
1,2-Dichloroethane
Concen: 49.249 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion	62	Resp	297801
Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	12.6





#43

Isopropyl Acetate

Concen: 49.969 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

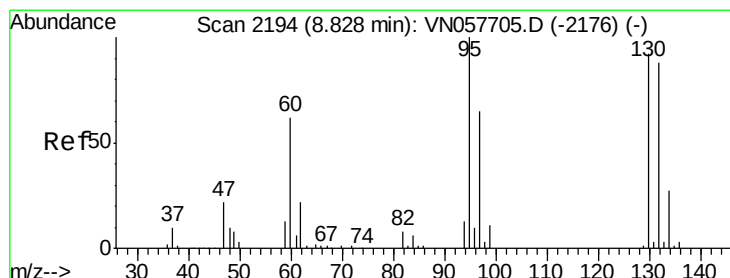
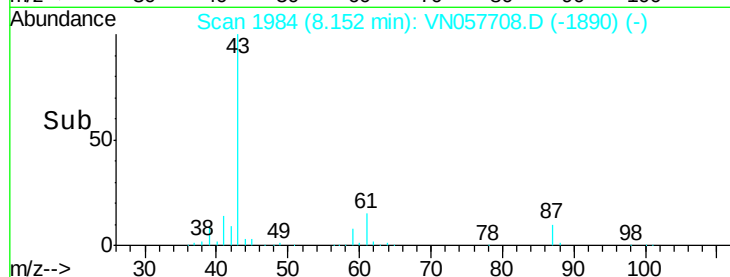
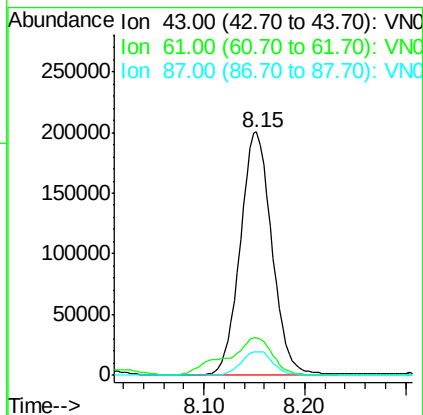
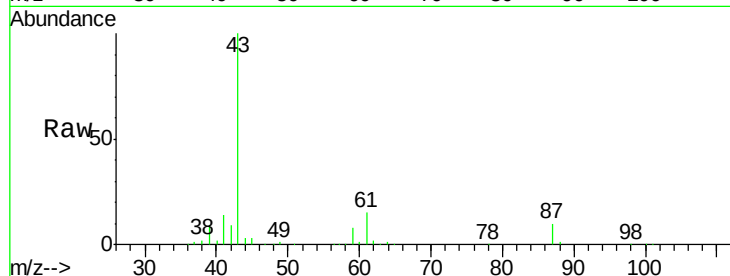
ClientSampleId :

ICVVN090619

Tot Ion:	43	Resp:	434284
Ion	Ratio	Lower	Upper
43	100		
61	22.6	12.8	19.2#
87	9.9	7.8	11.8

Manual Integrations
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MMDadoda
9/9/2019 1:10:45 PM



#44

Trichloroethene

Concen: 51.259 ug/l

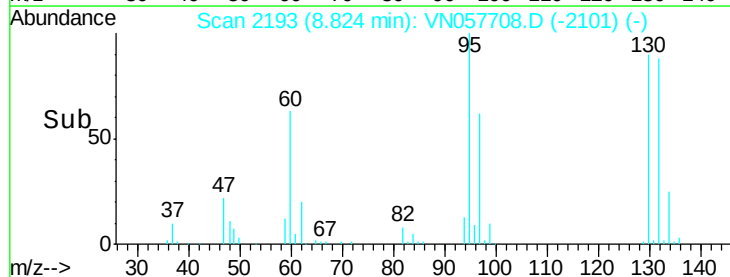
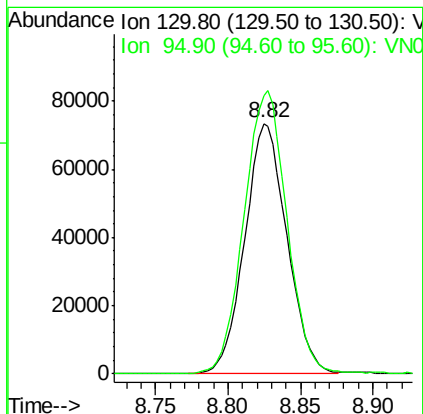
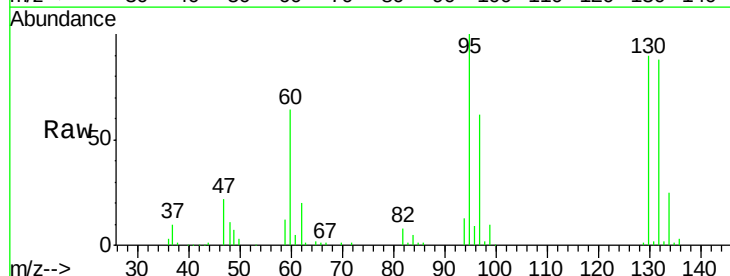
RT: 8.82 min Scan# 2193

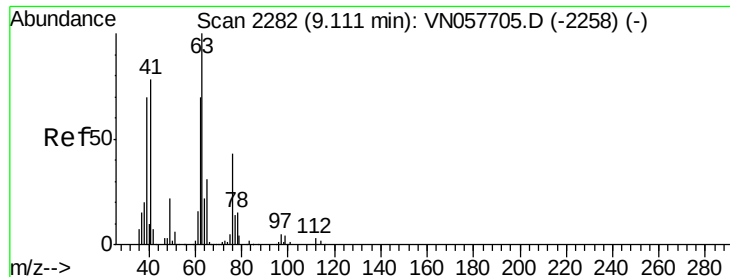
Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Tgt Ion:	130	Resp:	148620
Ion	Ratio	Lower	Upper
130	100		
95	111.4	0.0	217.8





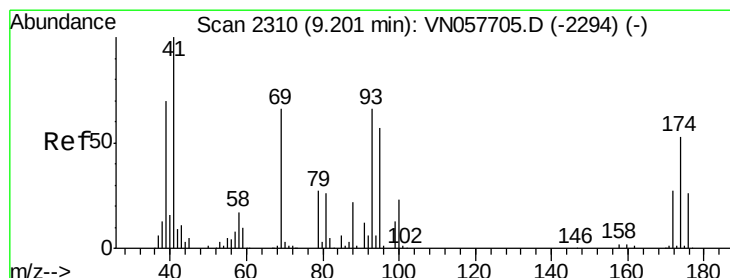
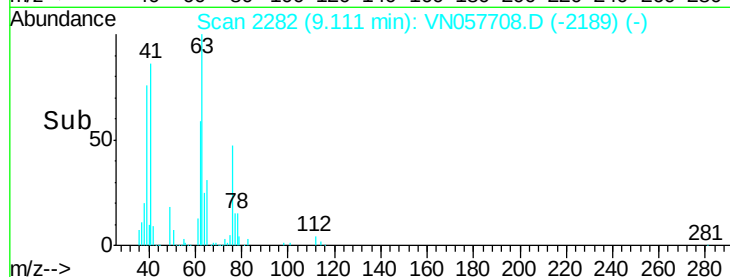
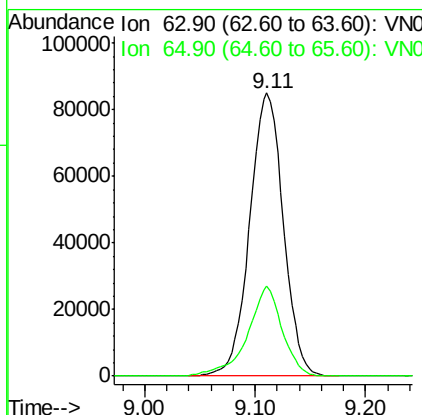
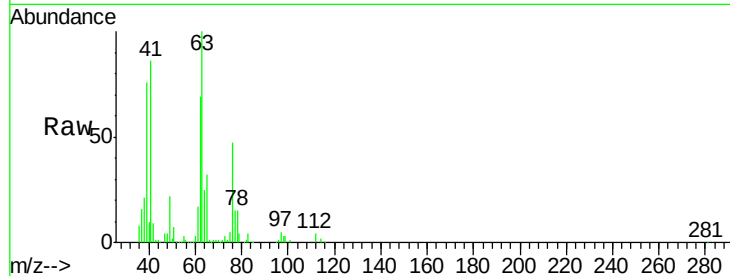
#45
 1,2-Dichloropropane
 Concen: 49.779 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090619

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.5	36.7

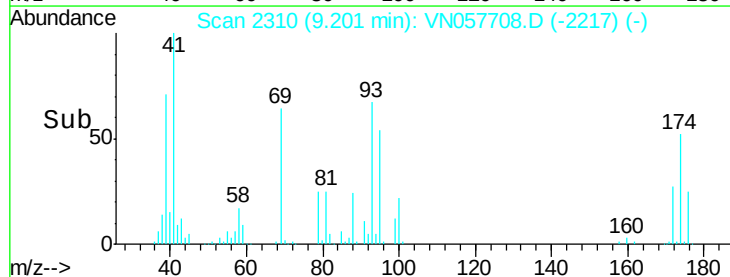
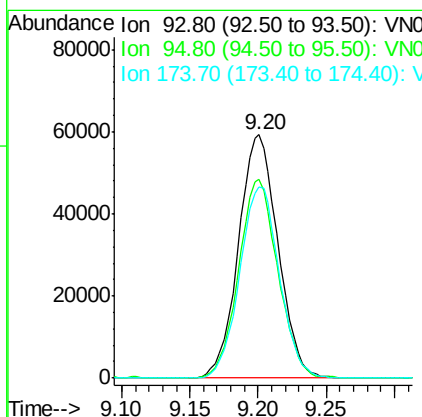
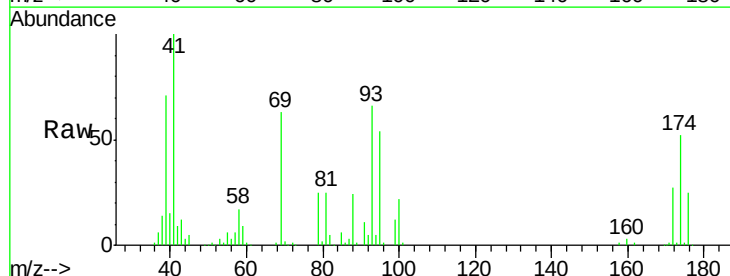
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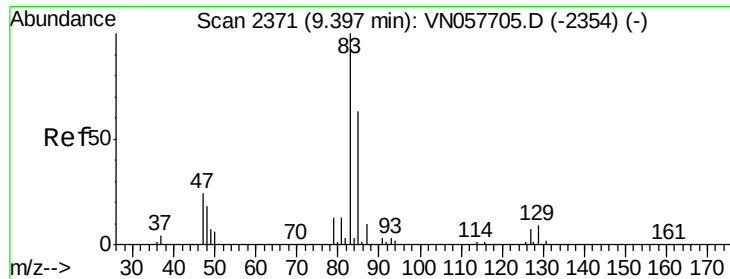
MMDadoda
 9/9/2019 1:10:45 PM



#46
 Dibromomethane
 Concen: 51.374 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.1	66.1	99.1
174	78.9	63.4	95.2





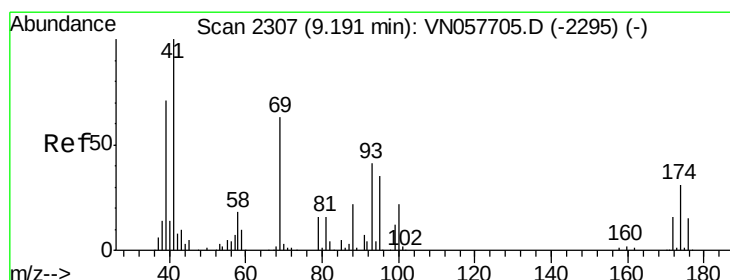
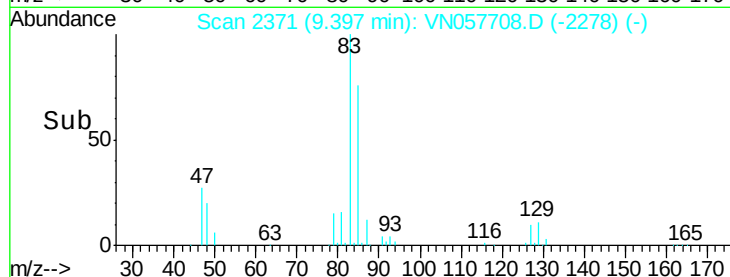
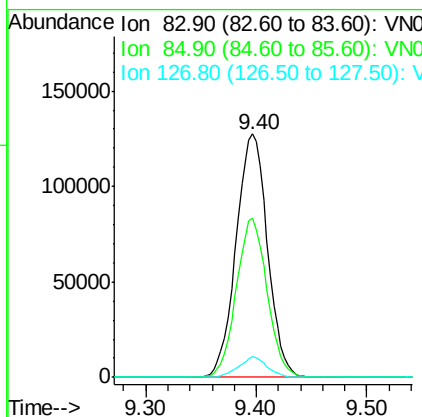
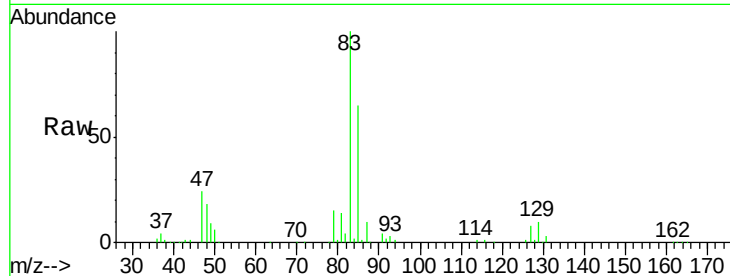
#47
Bromodichloromethane
Concen: 51.026 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

Tot Ion	Ratio	Resp	Lower	Upper
83	100	250972		
85	65.3		50.7	76.1
127	8.4		5.6	8.4#

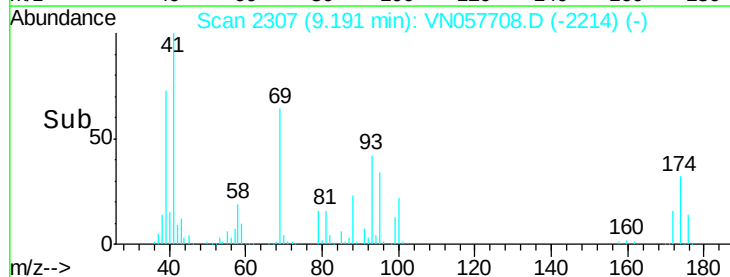
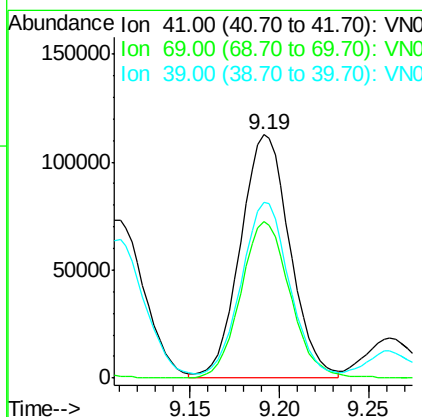
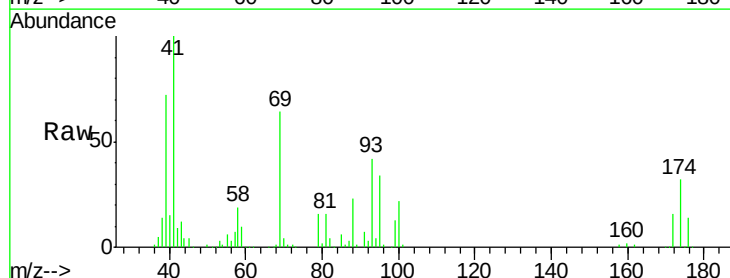
Manual Integrations
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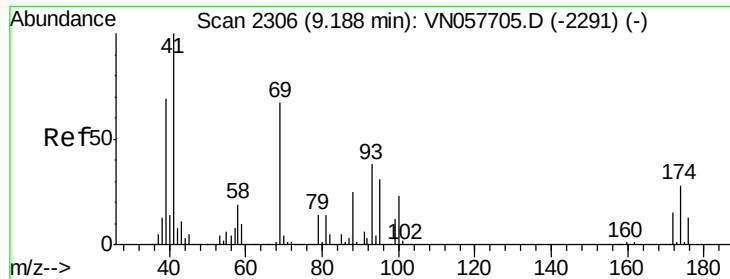
MMDadoda
9/9/2019 1:10:45 PM



#48
Methyl methacrylate
Concen: 48.527 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	216905		
69	64.4		51.2	76.8
39	71.3		57.3	85.9





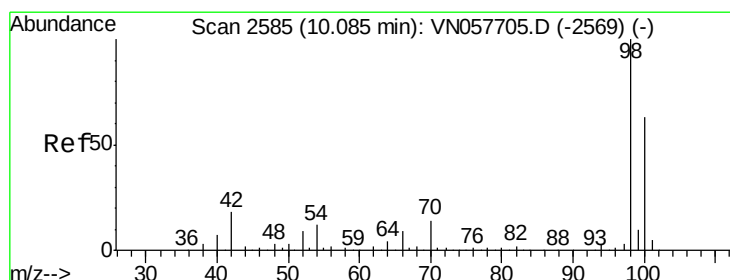
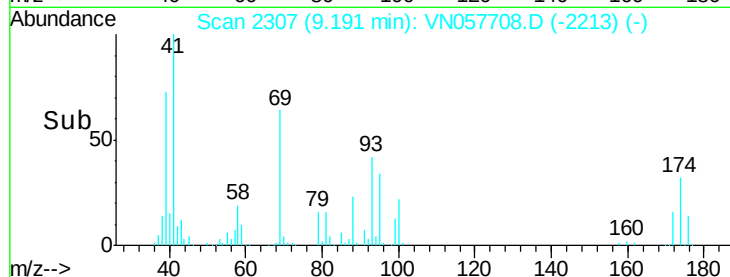
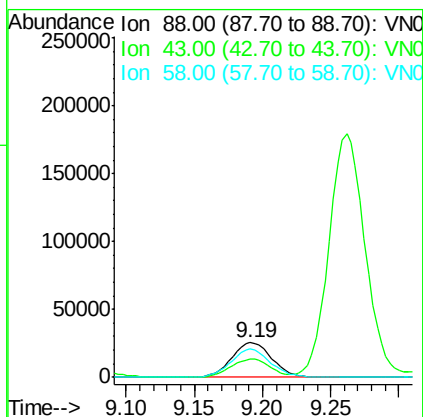
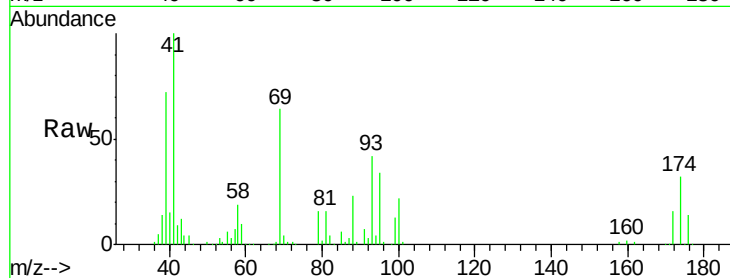
#49
1,4-Dioxane
Concen: 1017.232 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.1	35.4	53.2
58	79.7	61.5	92.3

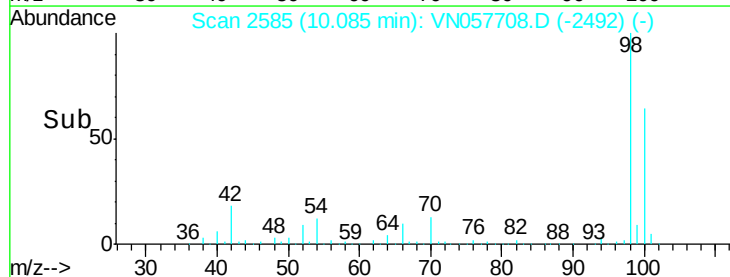
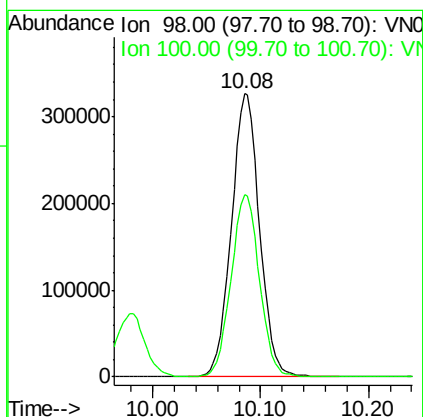
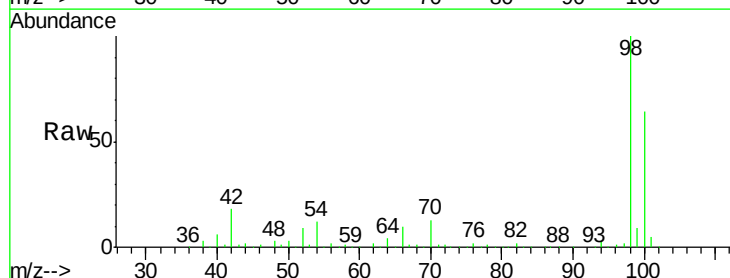
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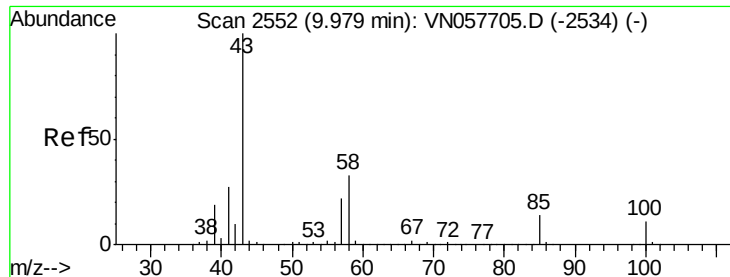
MMDadoda
9/9/2019 1:10:45 PM



#50
Toluene-d8
Concen: 51.325 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 257.878 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090619

Tot Ion: 43 Resp: 1244689

Ion Ratio Lower Upper

43 100

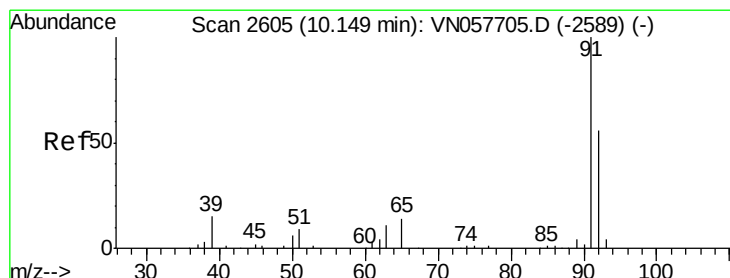
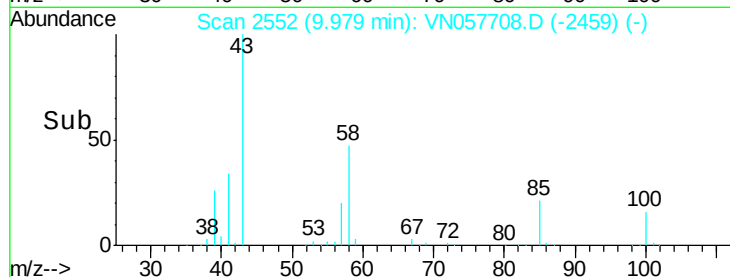
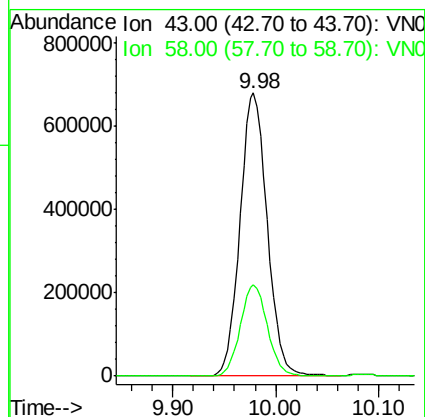
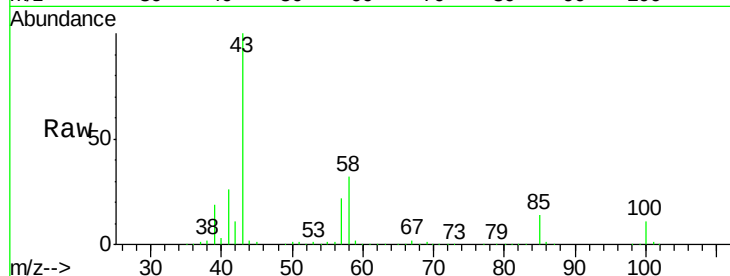
58 32.2 25.8 38.8

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 49.696 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057708.D

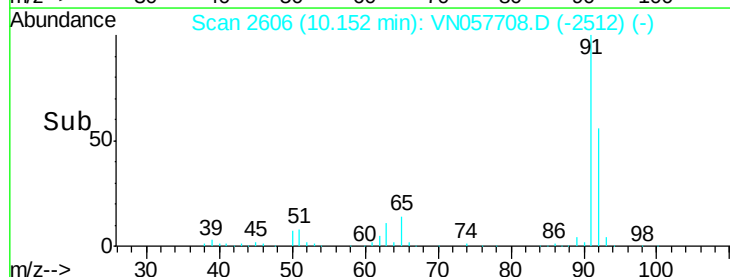
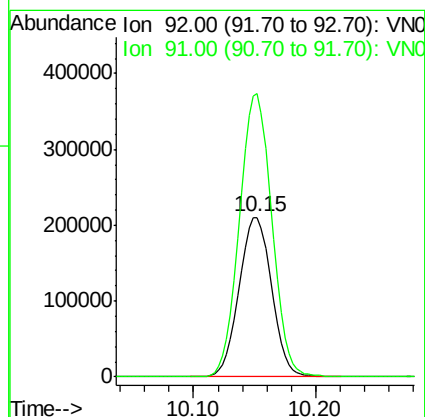
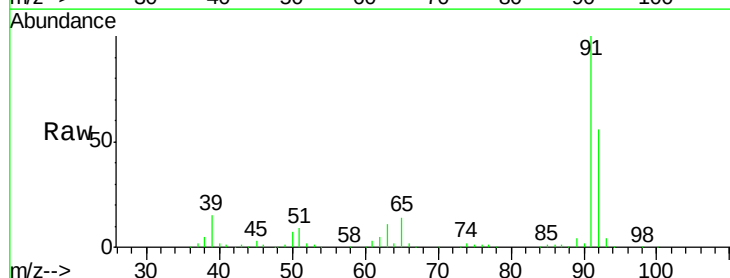
Acq: 5 Sep 2019 20:46

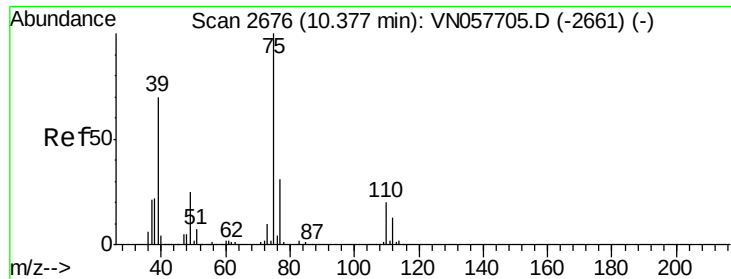
Tgt Ion: 92 Resp: 388562

Ion Ratio Lower Upper

92 100

91 176.2 141.5 212.3





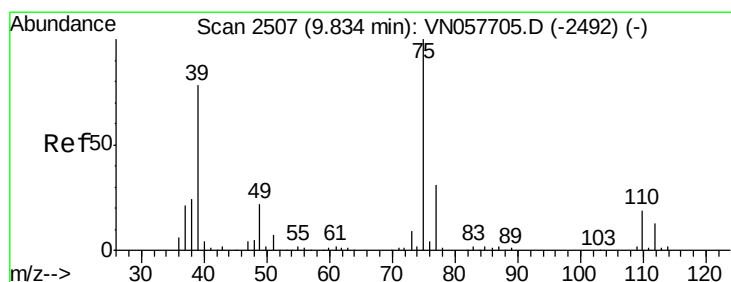
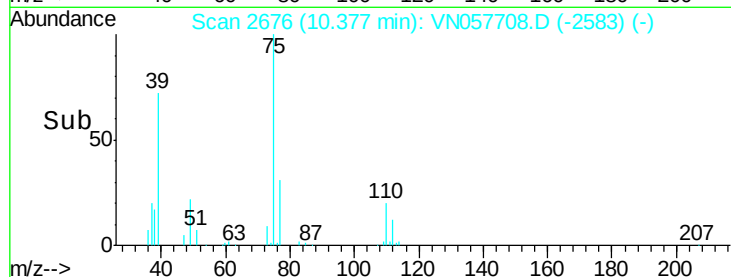
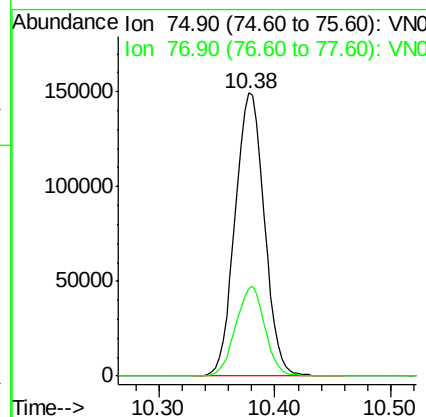
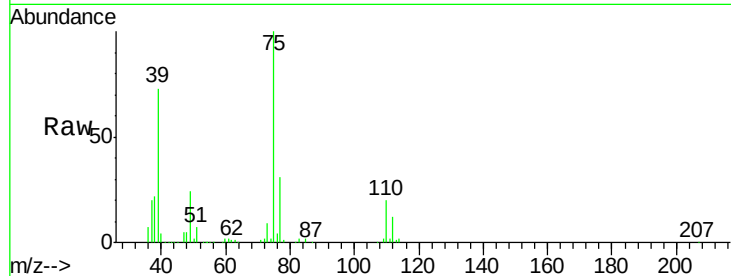
#53
t-1,3-Dichloropropene
Concen: 52.860 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

Tot Ion: 75 Resp: 260835
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7

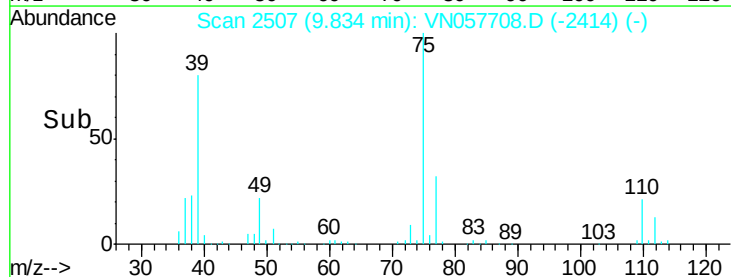
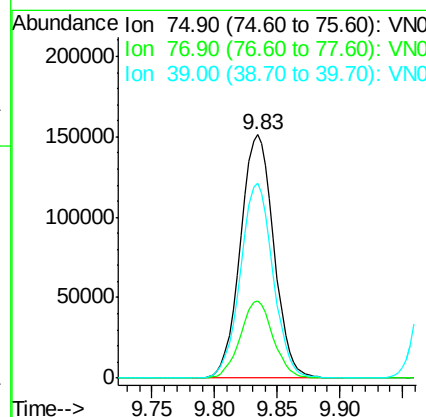
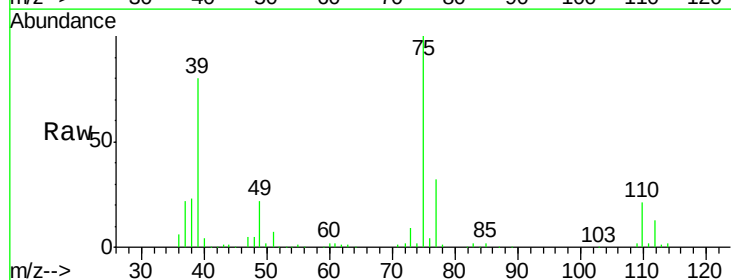
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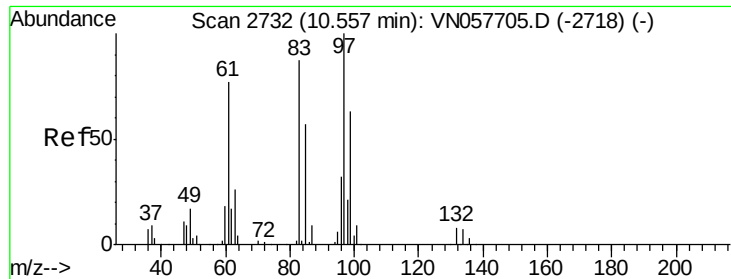
MMDadoda
9/9/2019 1:10:45 PM



#54
cis-1,3-Dichloropropene
Concen: 52.543 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion: 75 Resp: 280121
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7
39 79.8 62.4 93.6





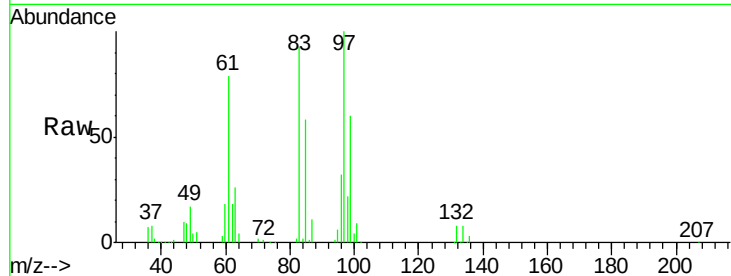
#55
 1,1,2-Trichloroethane
 Concen: 49.675 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090619

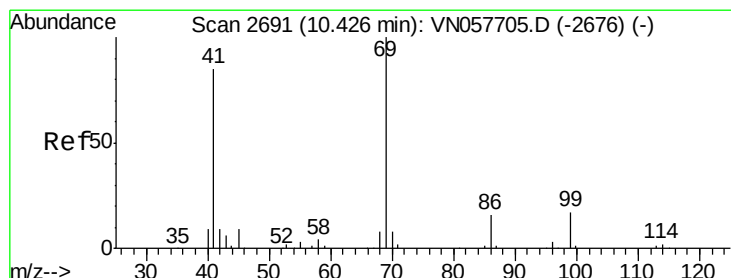
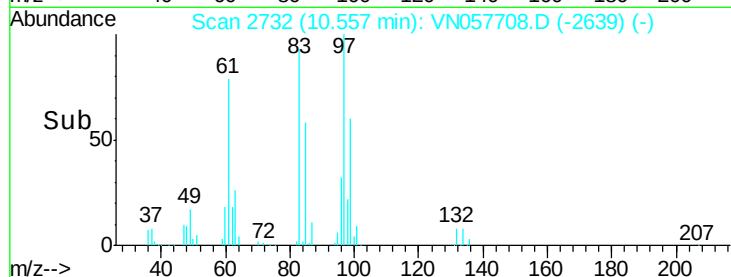
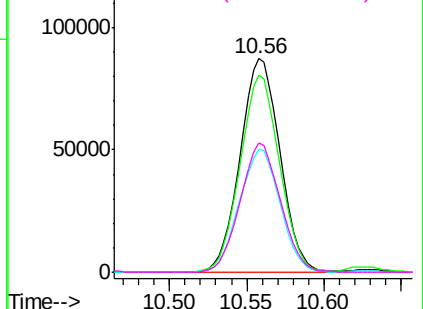
Tot Ion:	97	Resp:	156307
Ion	Ratio	Lower	Upper
97	100		
83	92.5	69.5	104.3
85	57.6	45.7	68.5
99	60.4	50.2	75.4

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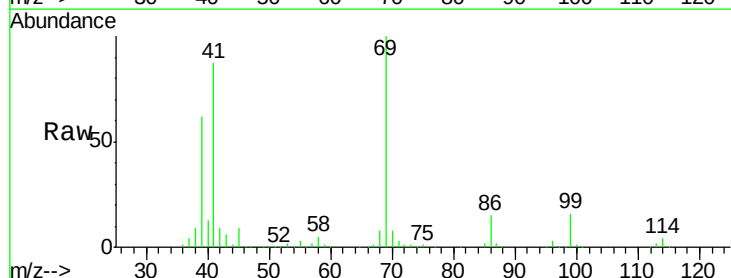


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

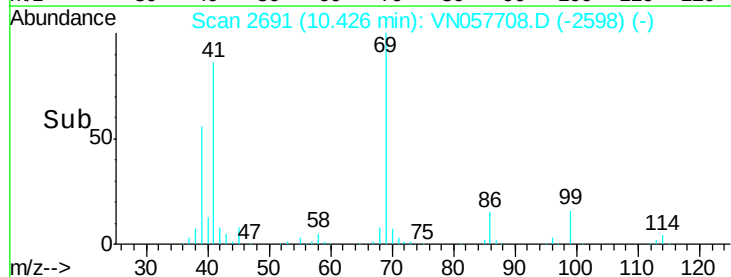
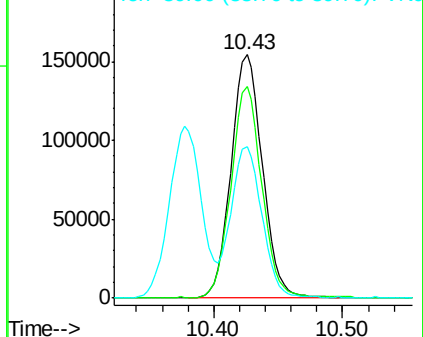


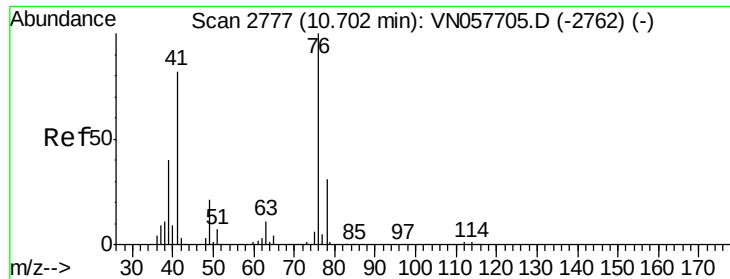
#56
 Ethyl methacrylate
 Concen: 51.946 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Tgt Ion:	69	Resp:	260891
Ion	Ratio	Lower	Upper
69	100		
41	85.0	69.0	103.4
39	60.6	49.2	73.8



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





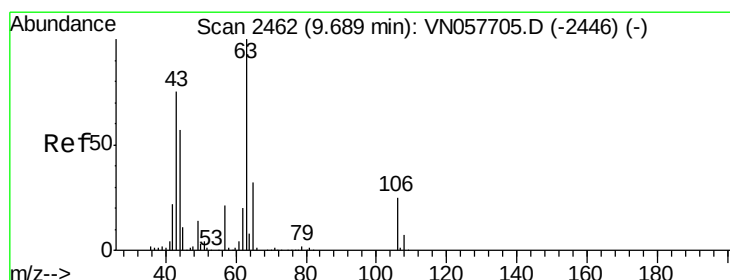
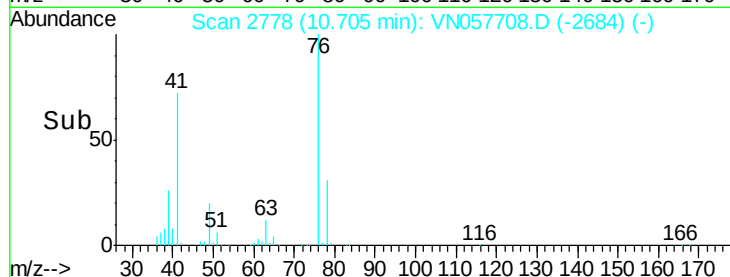
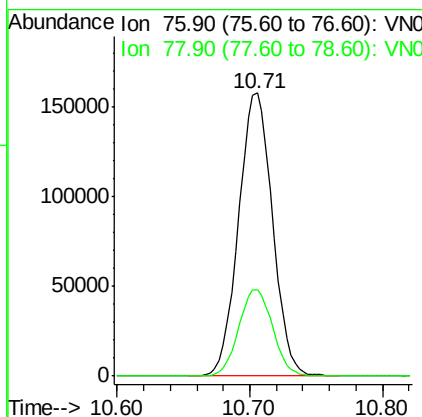
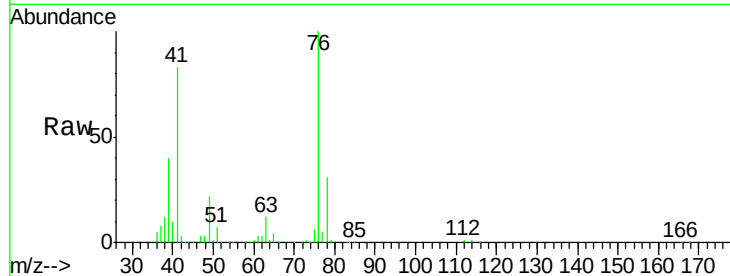
#57
 1,3-Dichloropropane
 Concen: 49.639 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090619

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.7	25.5	38.3

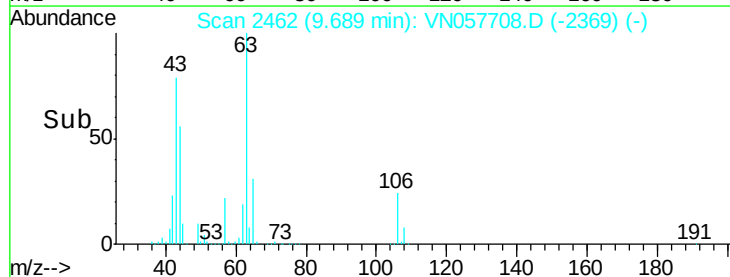
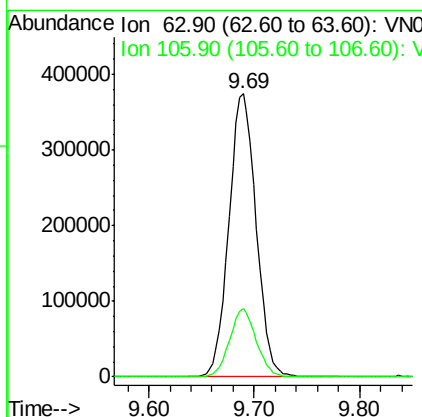
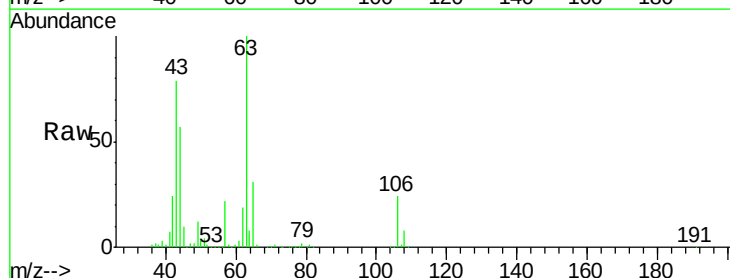
Manual Integrations
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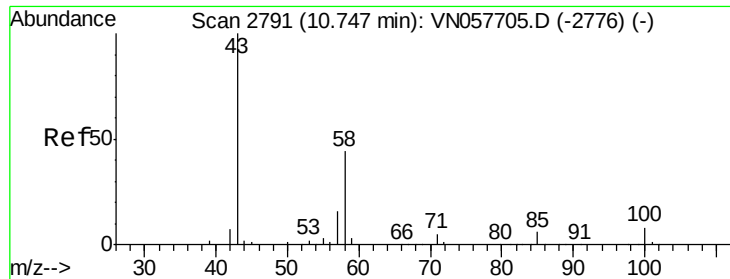
MMDadoda
 9/9/2019 1:10:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.698 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.4	19.4	29.2





#59

2-Hexanone

Concen: 259.273 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090619

Tot Ion: 43 Resp: 882452

Ion Ratio Lower Upper

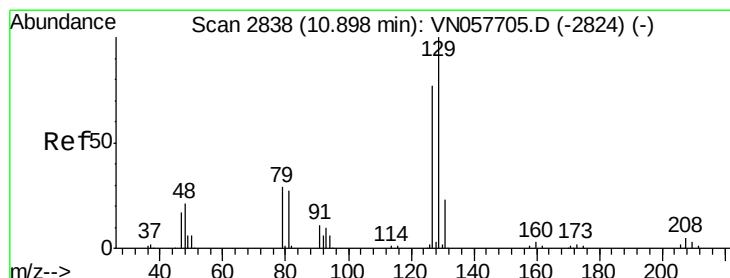
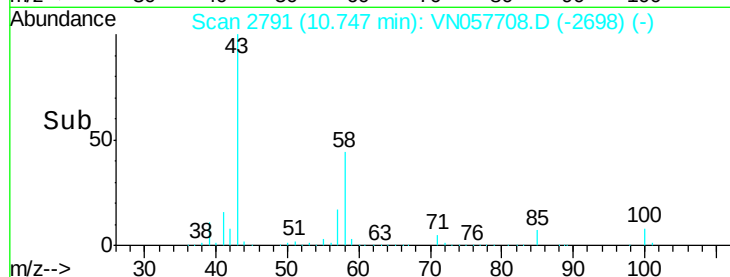
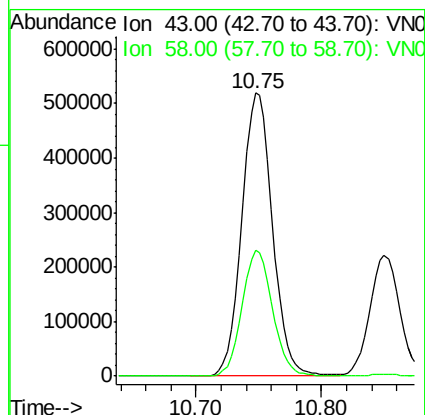
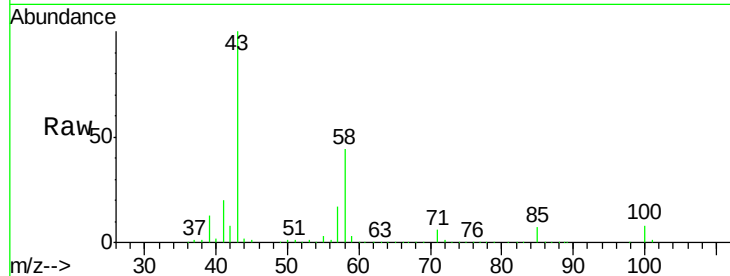
43 100

58 44.3 22.1 66.5

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#60

Dibromochloromethane

Concen: 48.761 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057708.D

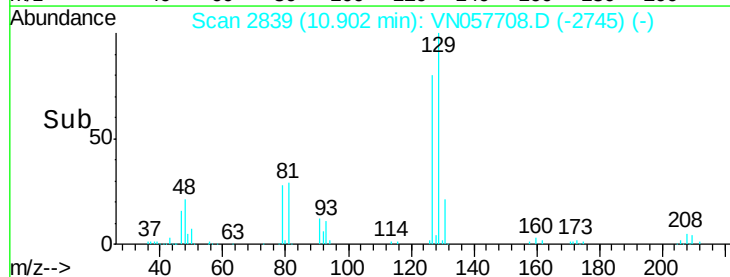
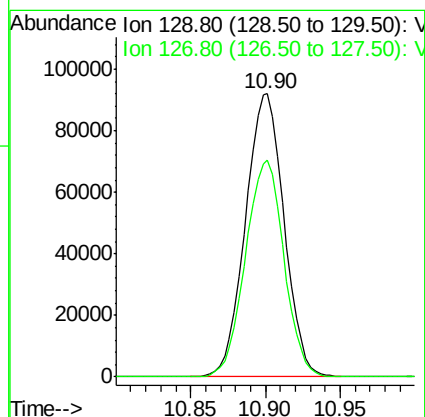
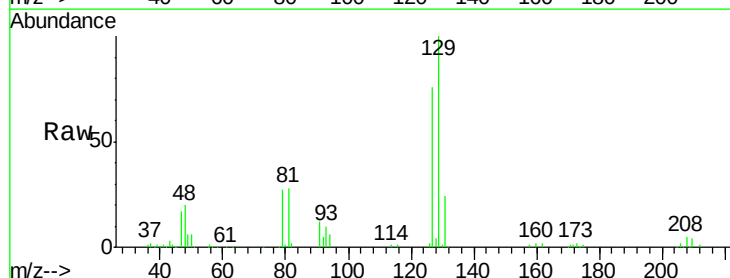
Acq: 5 Sep 2019 20:46

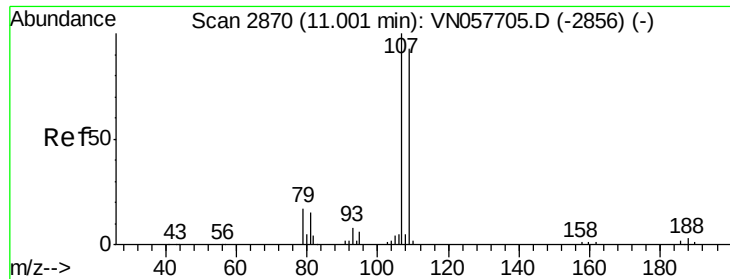
Tgt Ion: 129 Resp: 165283

Ion Ratio Lower Upper

129 100

127 76.3 38.4 115.2





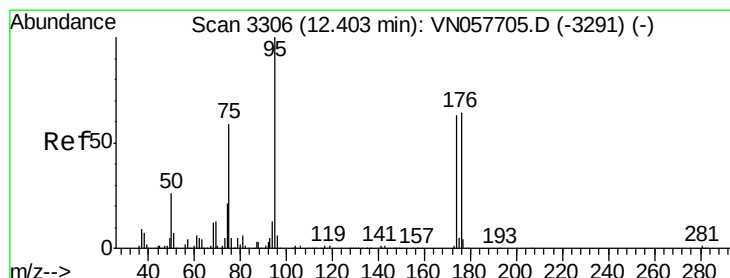
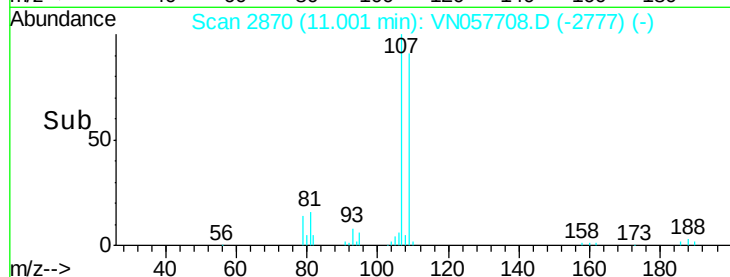
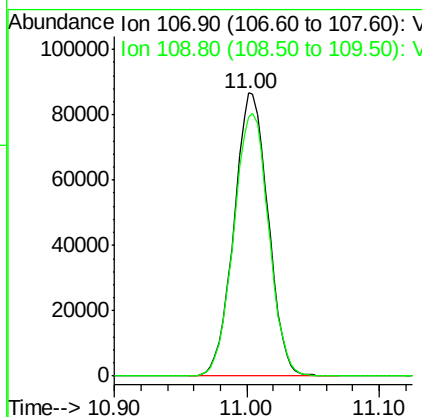
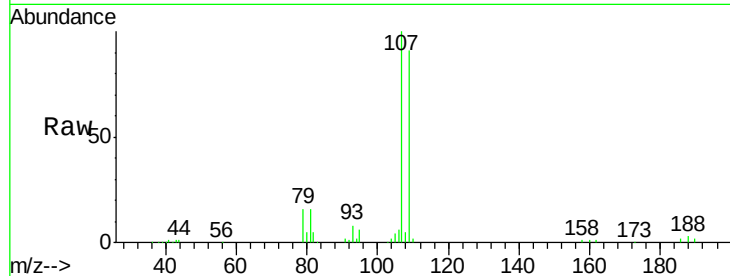
#61
 1,2-Dibromoethane
 Concen: 51.238 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090619

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	74.6	112.0

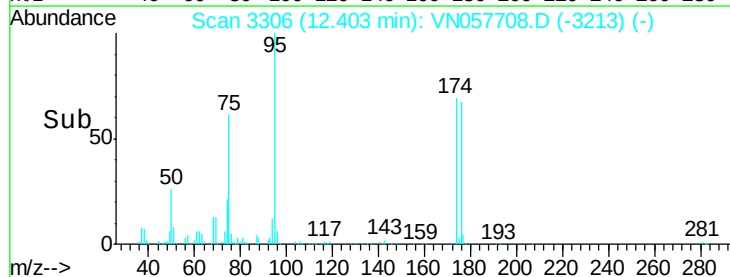
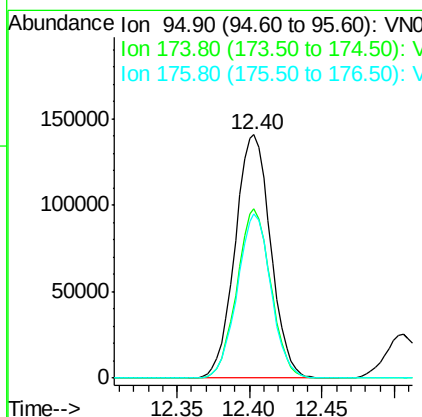
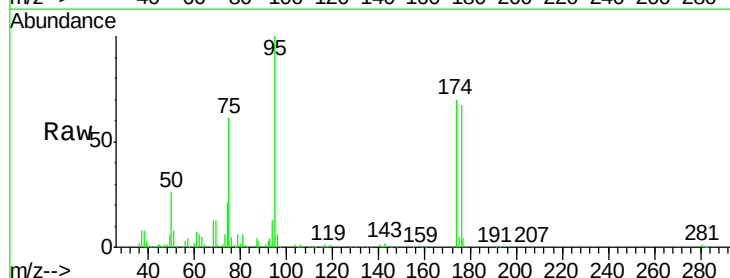
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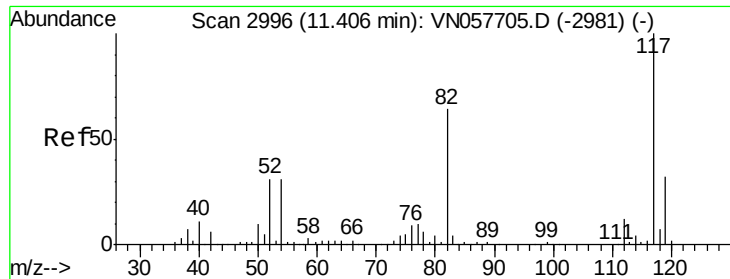
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#62
 4-Bromofluorobenzene
 Concen: 49.937 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.3	0.0	128.0
176	64.0	0.0	128.0





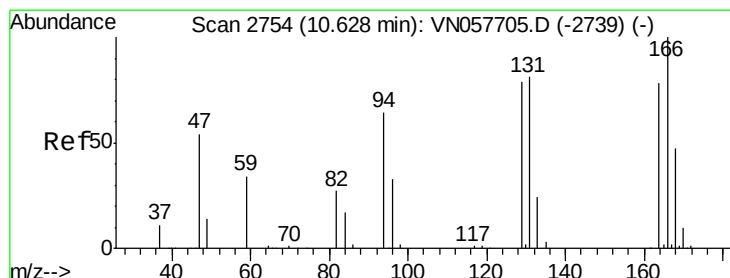
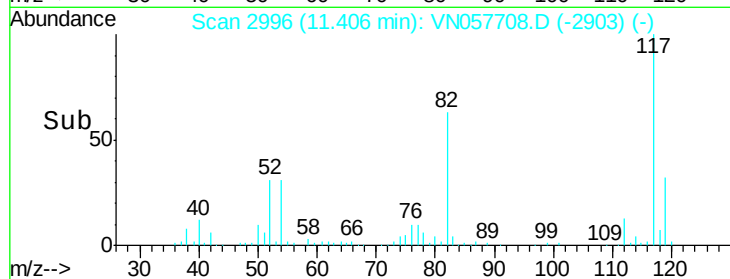
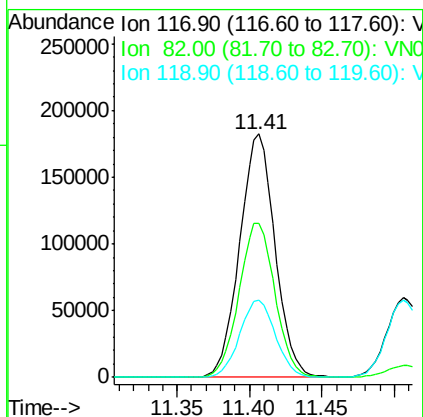
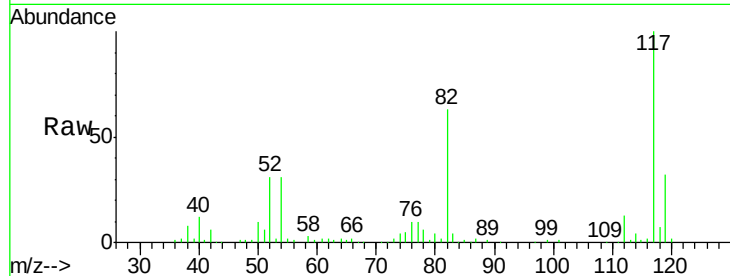
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampled :
ICVVN090619

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.3	51.4	77.0
119	31.6	25.4	38.2

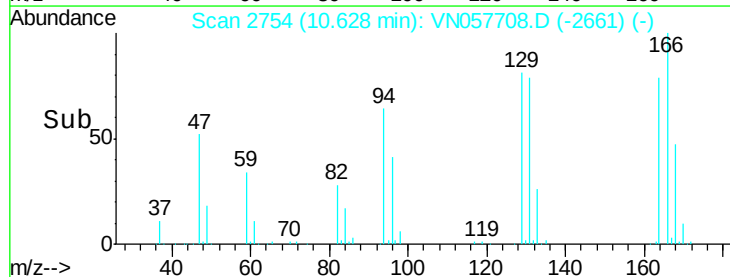
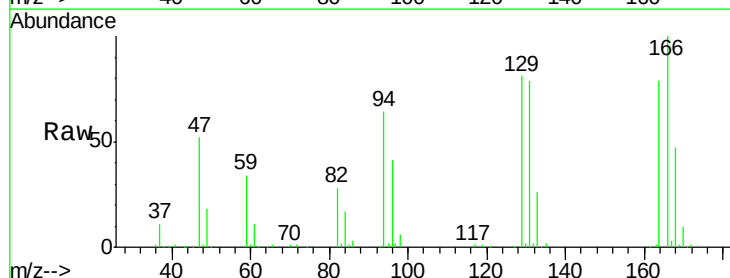
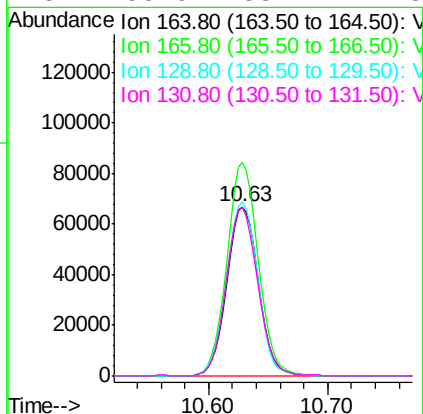
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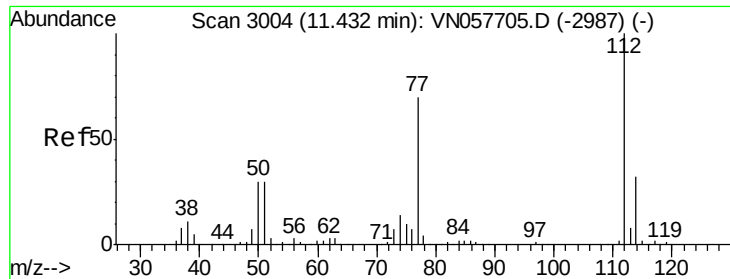
MMDadoda
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#64
Tetrachloroethene
Concen: 50.955 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.0	154.6
129	102.7	81.1	121.7
131	99.9	83.2	124.8





#65

Chlorobenzene

Concen: 50.629 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

ClientSampled :

ICVVN090619

Tot Ion:112 Resp: 409462

Ion Ratio Lower Upper

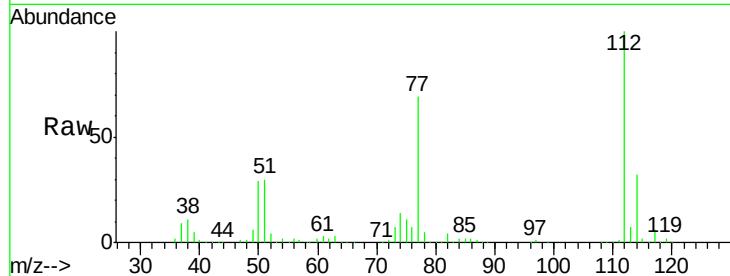
112 100

114 32.1 25.8 38.8

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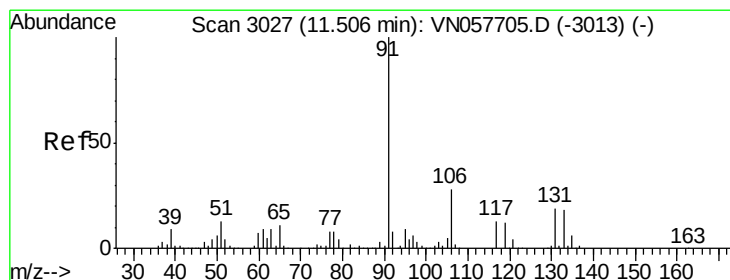
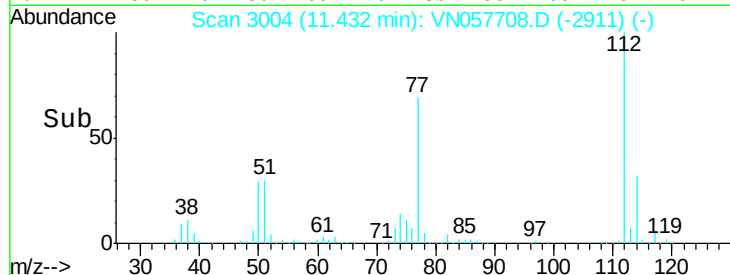
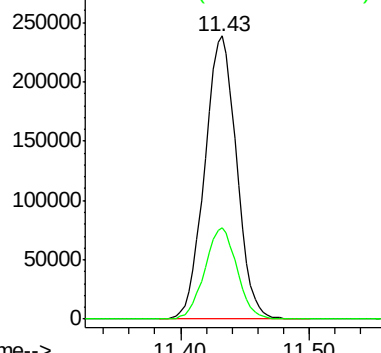
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.007 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

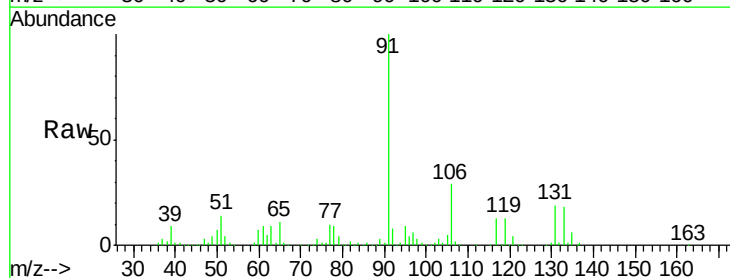
Tgt Ion:131 Resp: 151981

Ion Ratio Lower Upper

131 100

133 94.9 47.6 142.9

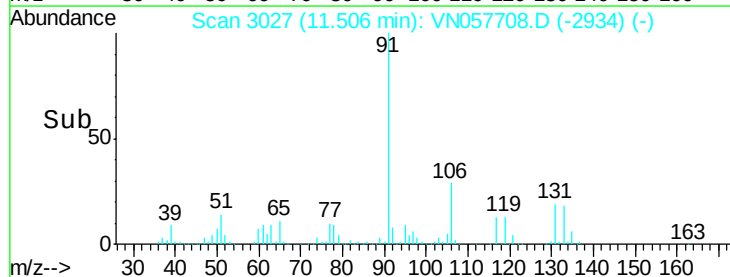
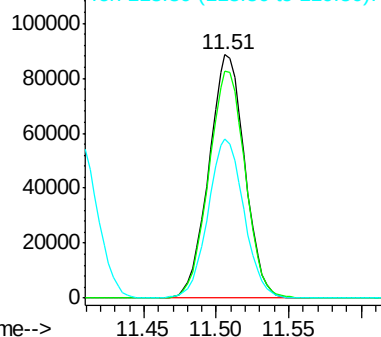
119 65.3 32.8 98.3

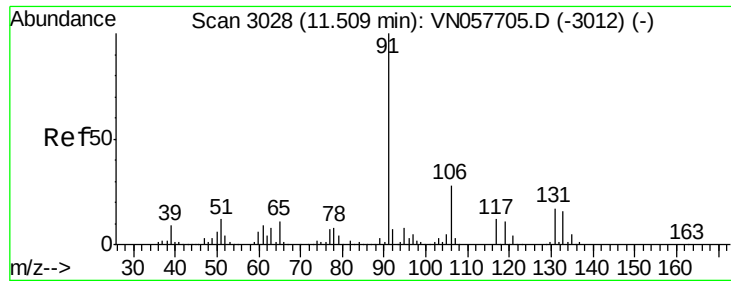


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





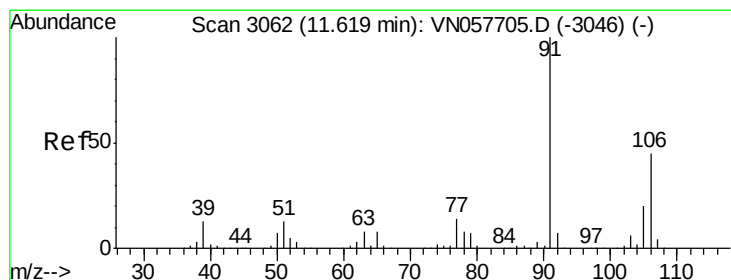
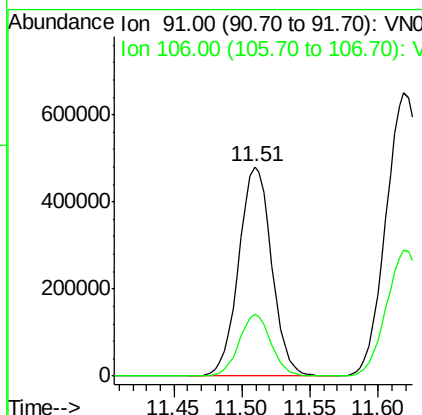
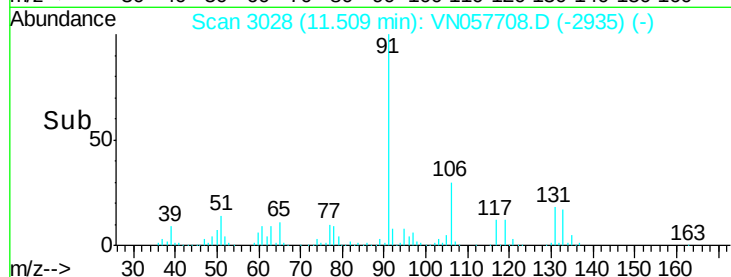
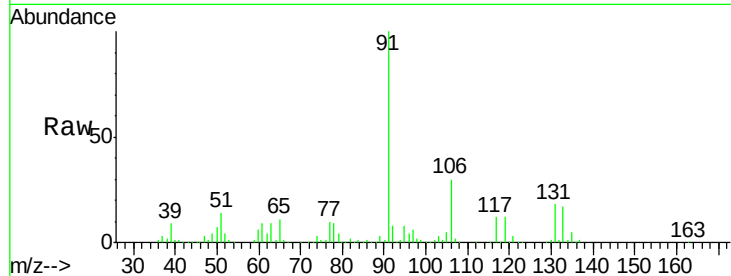
#67
Ethyl Benzene
Concen: 51.567 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

Tot Ion: 91 Resp: 804664
Ion Ratio Lower Upper
91 100
106 29.6 22.8 34.2

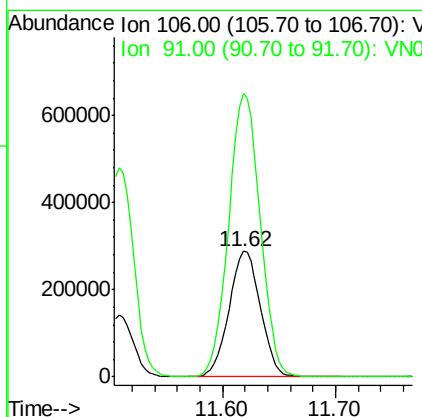
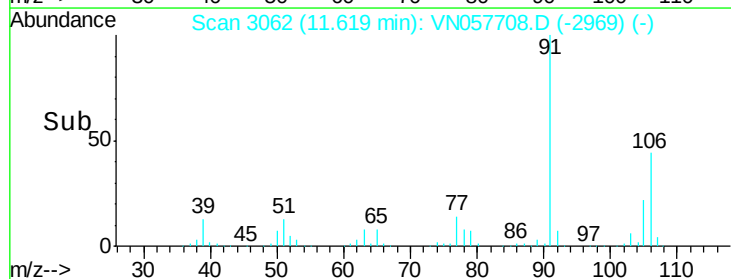
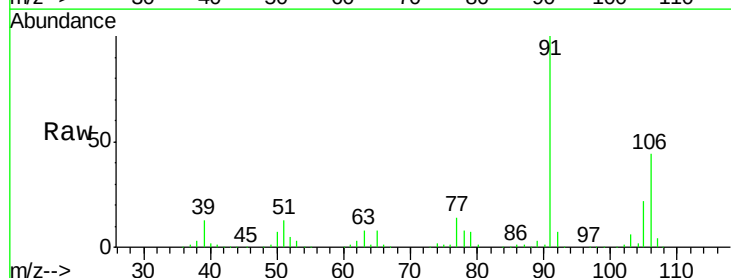
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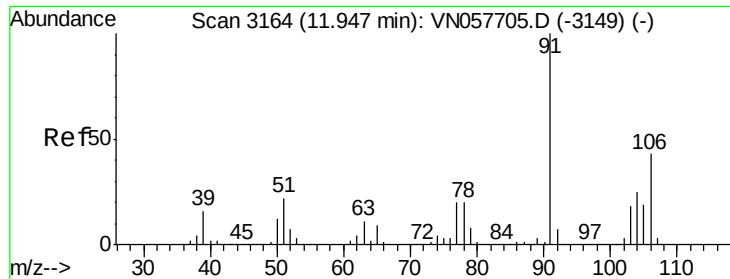
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#68
m/p-Xylenes
Concen: 103.563 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion: 106 Resp: 556603
Ion Ratio Lower Upper
106 100
91 226.2 179.8 269.8





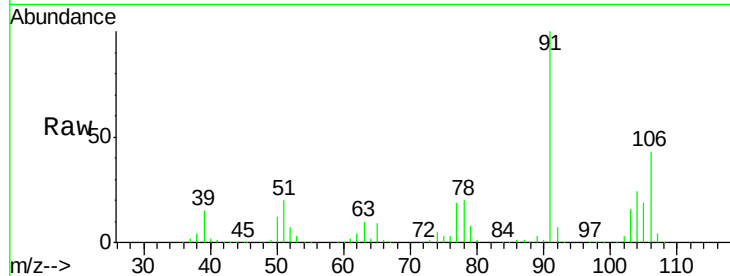
#69
o-Xylene
Concen: 51.172 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

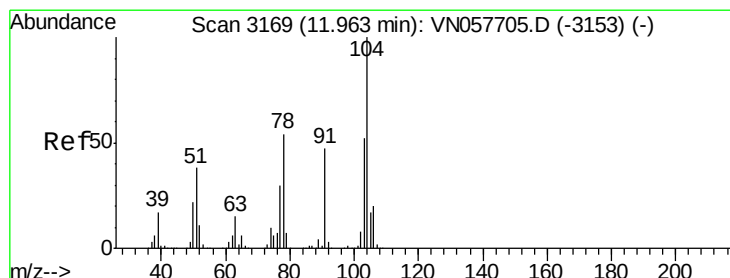
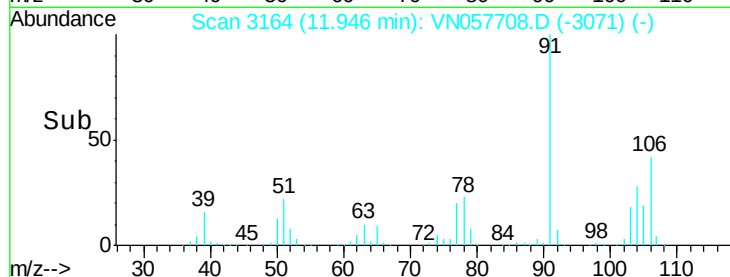
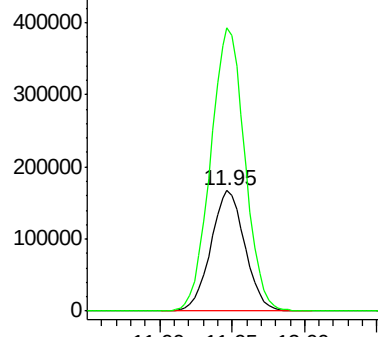
Tot Ion:106 Resp: 272326
Ion Ratio Lower Upper
106 100
91 236.1 116.8 350.4

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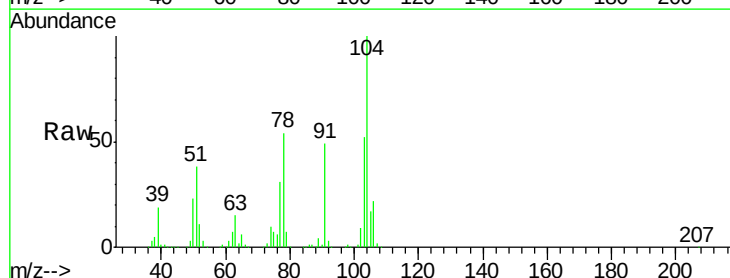


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

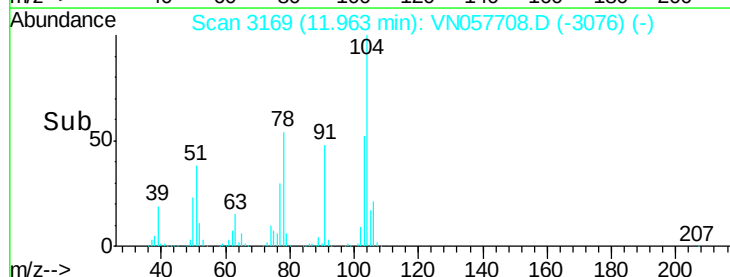
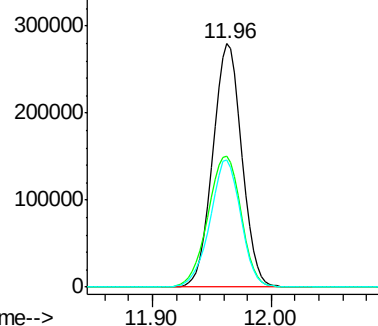


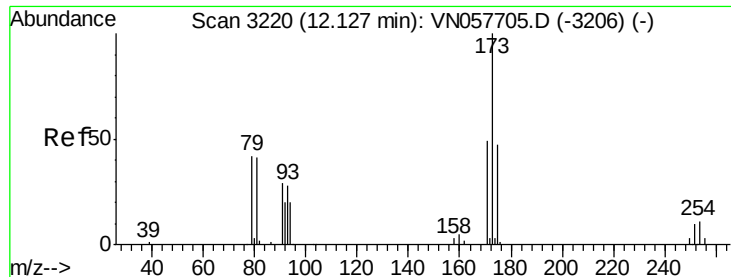
#70
Styrene
Concen: 51.473 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion:104 Resp: 473977
Ion Ratio Lower Upper
104 100
78 61.5 48.5 72.7
103 55.3 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.350 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

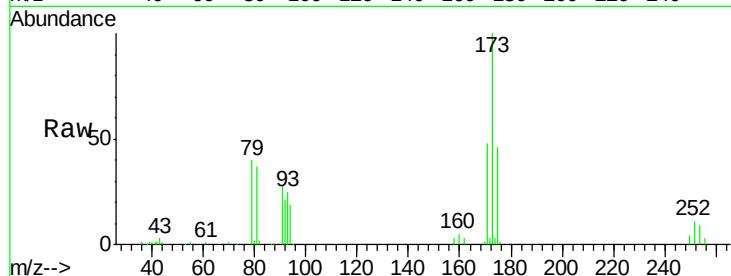
ClientSampleId :

ICVVN090619

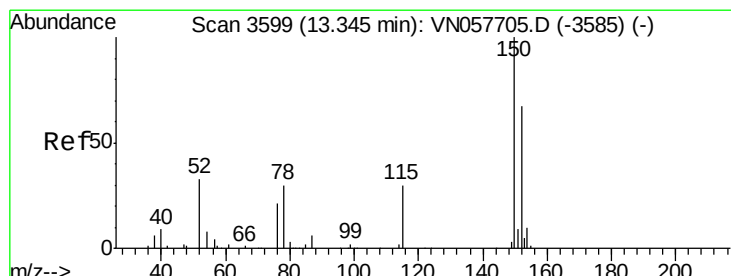
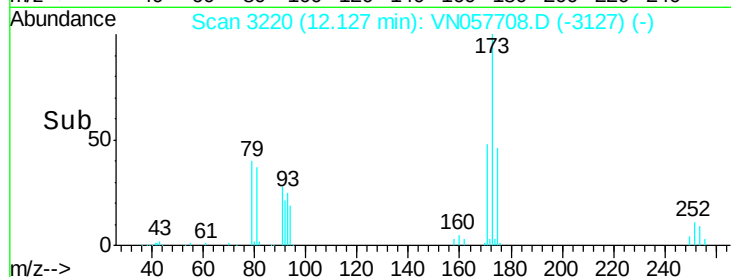
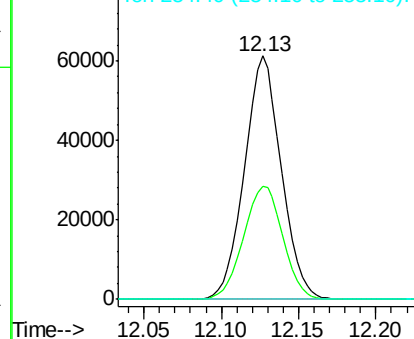
Tot Ion:	173	Resp:	101431
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.6	73.8
254	0.0	0.0	0.0

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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

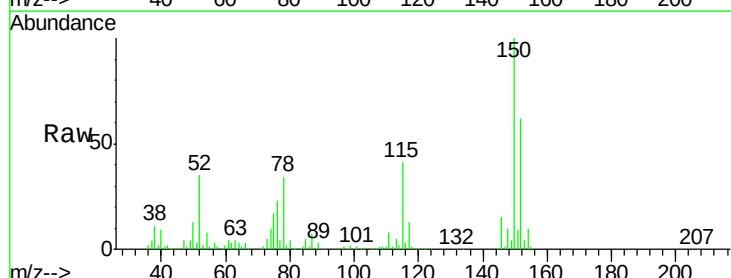
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

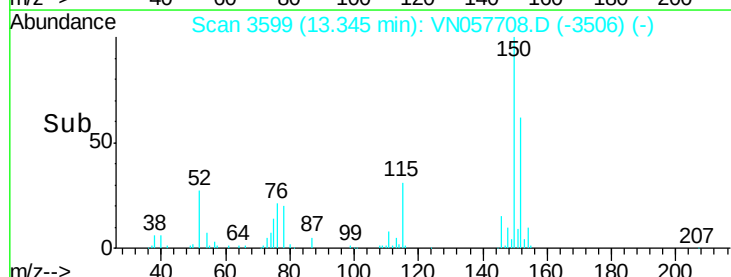
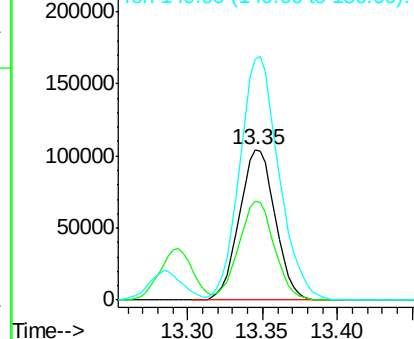
Lab File: VN057708.D

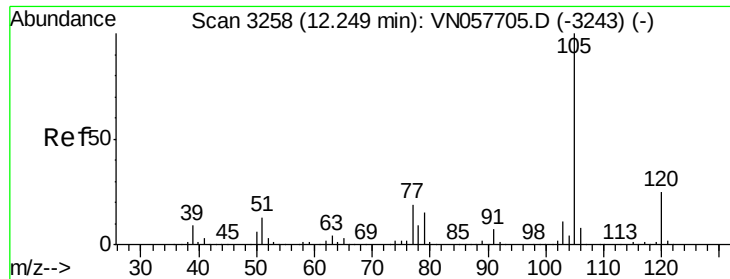
Acq: 5 Sep 2019 20:46

Tgt Ion:	152	Resp:	174179
Ion Ratio	Lower	Upper	
152	100		
115	65.3	33.8	101.3
150	177.1	0.0	345.4



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: 50.645 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Tot Ion: 105 Resp: 779883

Ion Ratio Lower Upper

105 100

120 24.5 12.2 36.6

Instrument :

MSVOA_N

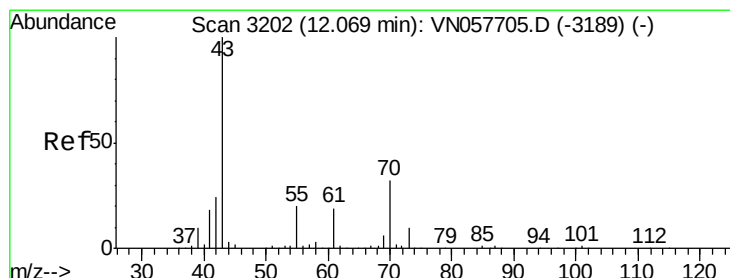
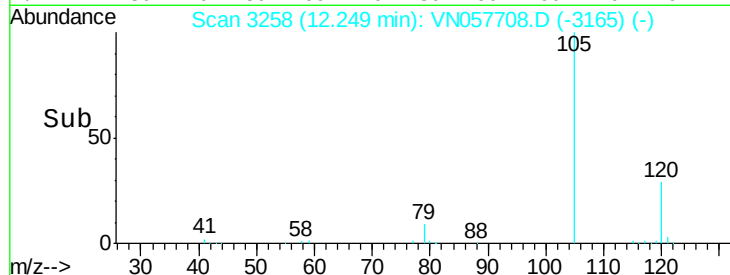
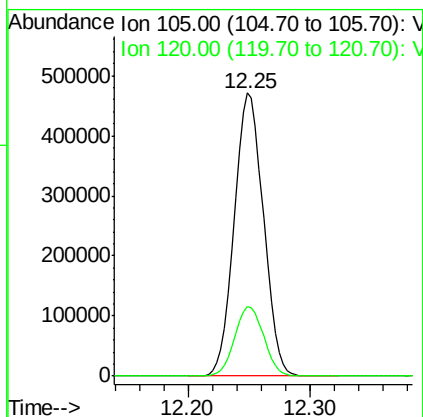
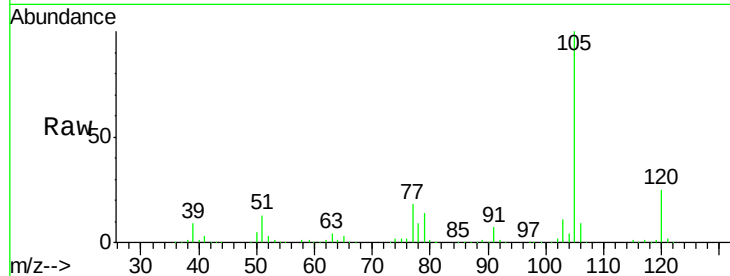
ClientSampleId :

ICVVN090619

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#74

N-ethyl acetate

Concen: 51.209 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Tgt Ion: 43 Resp: 393925

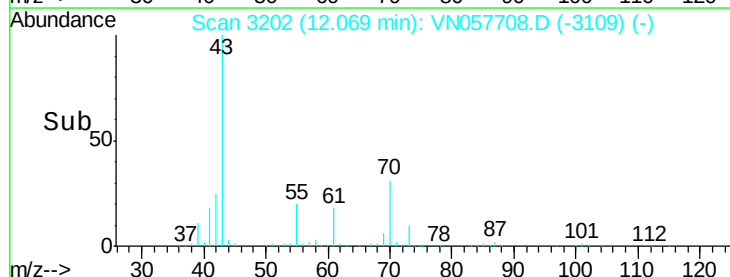
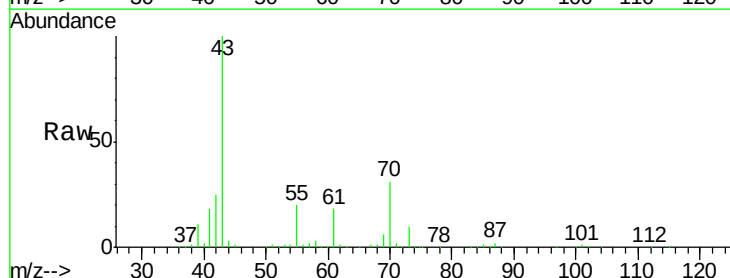
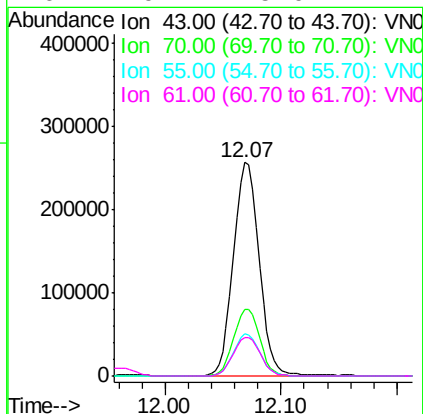
Ion Ratio Lower Upper

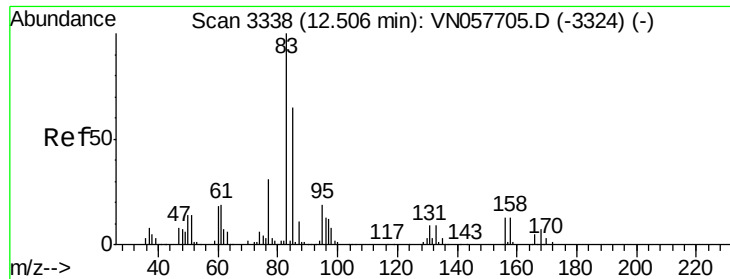
43 100

70 32.0 26.1 39.1

55 20.0 16.3 24.5

61 19.4 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.594 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

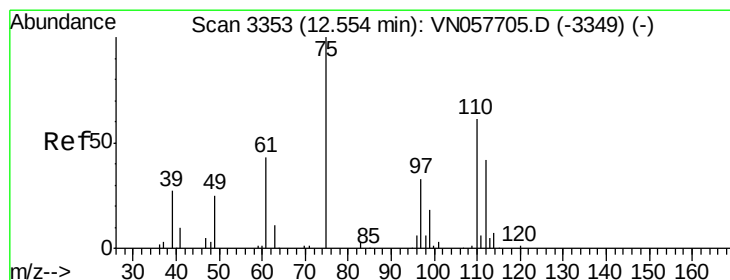
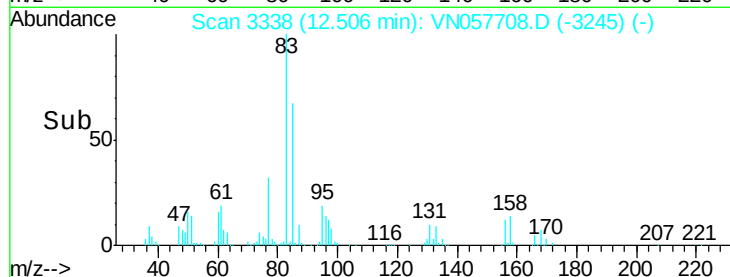
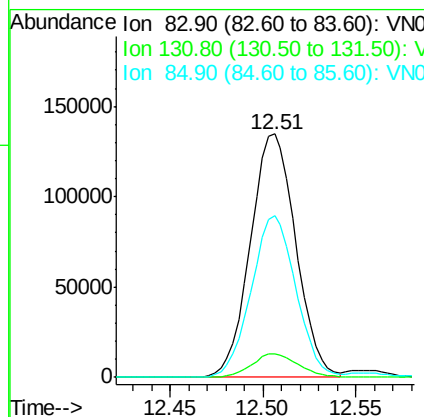
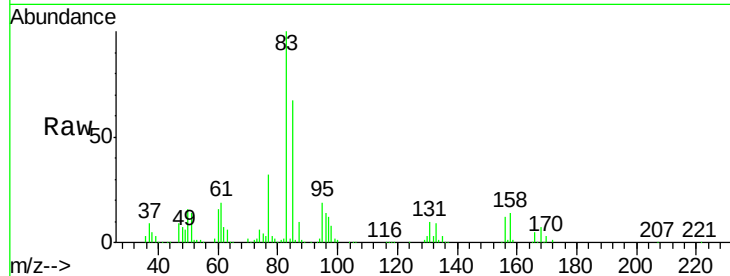
ClientSampleId :

ICVVN090619

Tot Ion:	83	Resp:	229004
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.5	13.5
85	65.2	31.8	95.3

Manual Integrations
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9/9/2019 1:10:45 PM



#76

1,2,3-Trichloropropane

Concen: 47.632 ug/l m

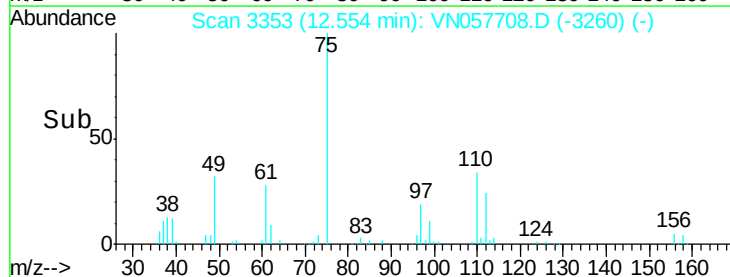
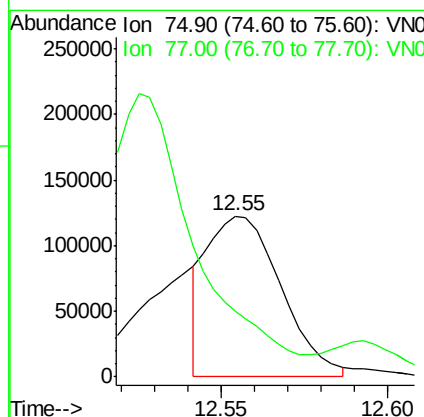
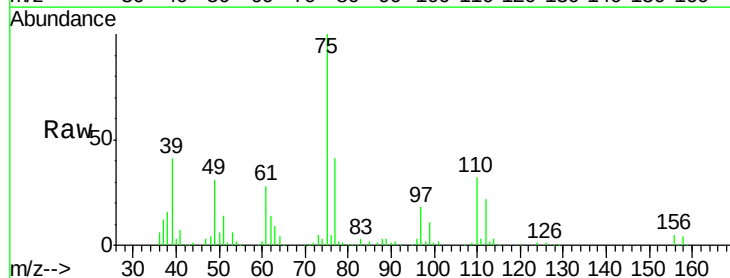
RT: 12.55 min Scan# 3353

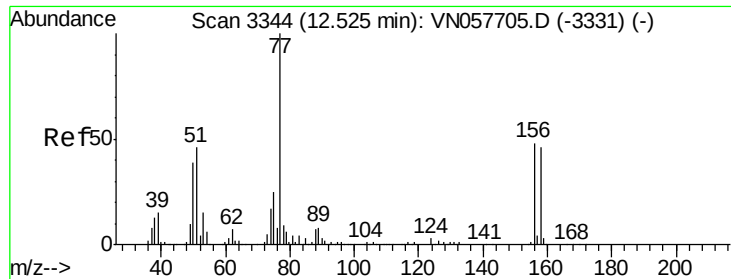
Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Tgt Ion:	75	Resp:	190520
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.492 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

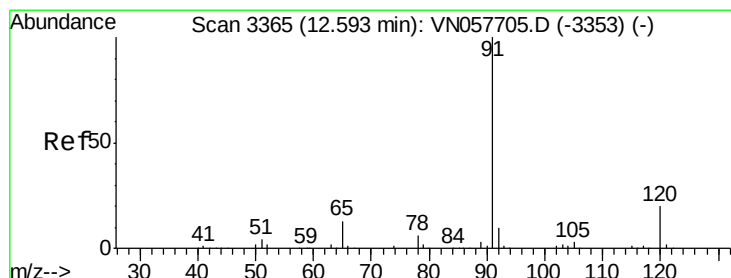
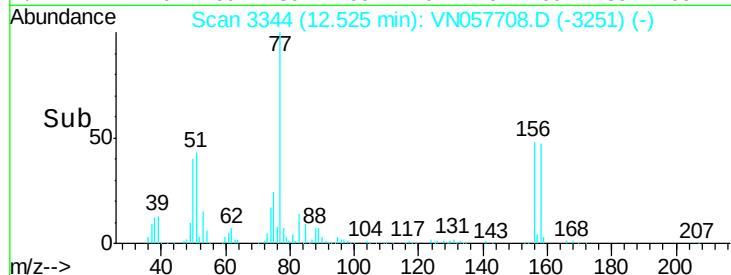
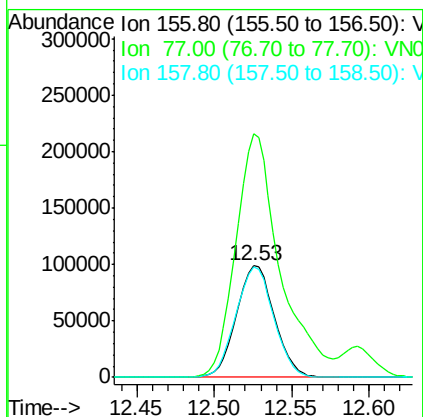
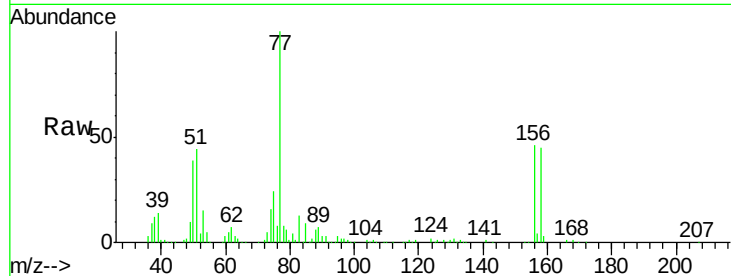
ClientSampleId :

ICVVN090619

Tot Ion:	156	Resp:	168917
Ion Ratio	Lower	Upper	
156	100		
77	254.5	125.4	376.2
158	98.5	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 50.709 ug/l

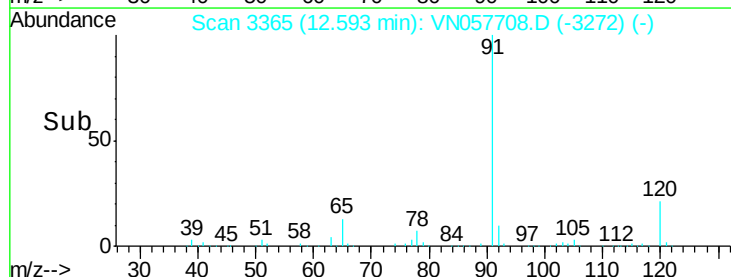
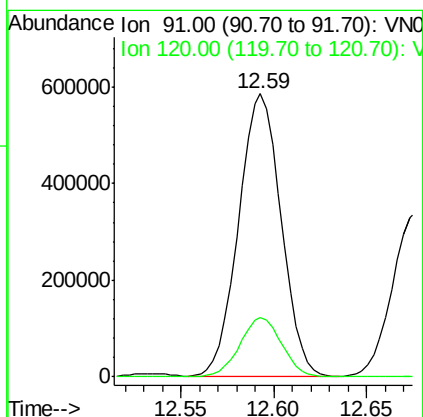
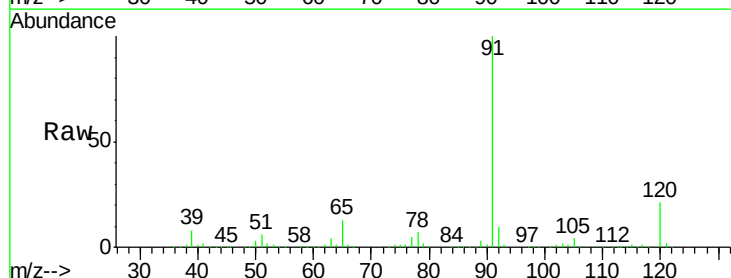
RT: 12.59 min Scan# 3365

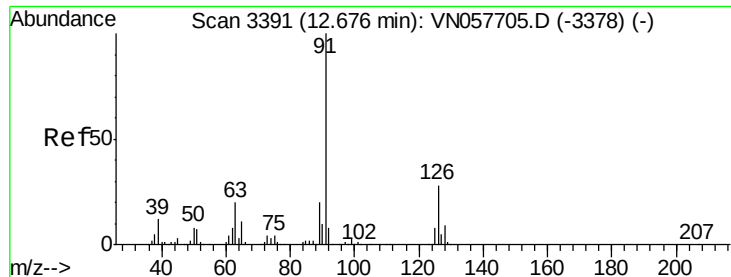
Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Tgt Ion:	91	Resp:	927743
Ion Ratio	Lower	Upper	
91	100		
120	20.7	10.0	30.0





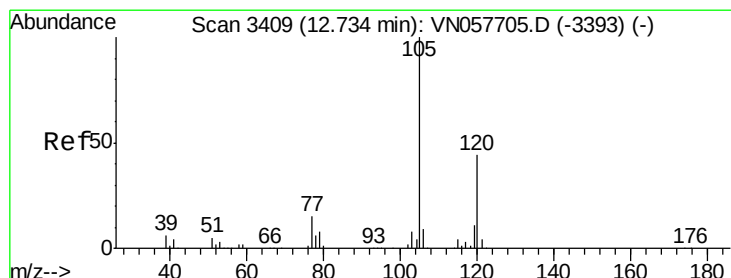
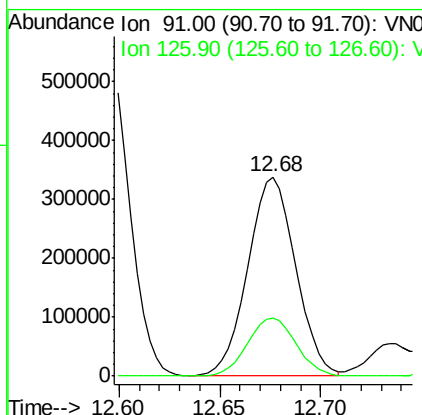
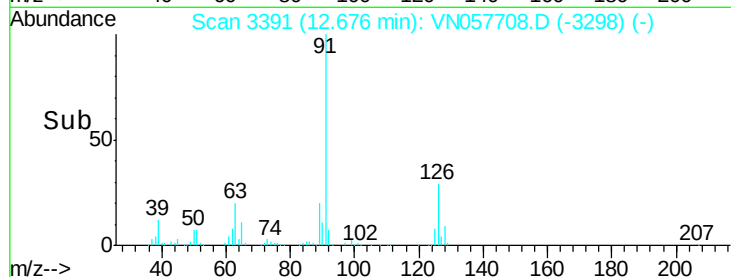
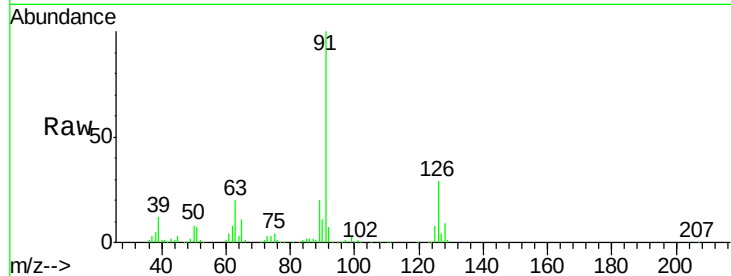
#79
 2-Chlorotoluene
 Concen: 50.030 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090619

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.5	43.5

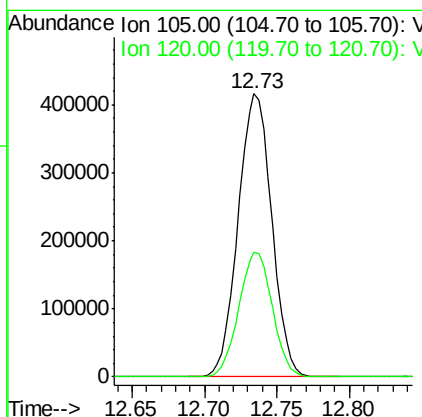
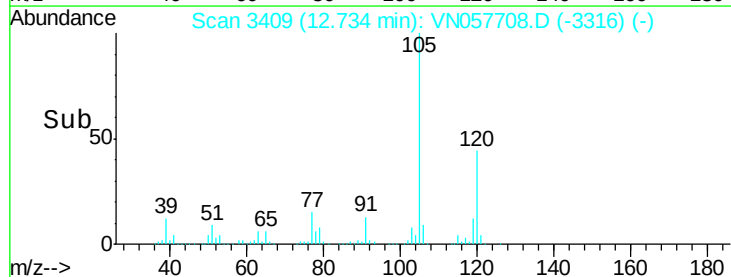
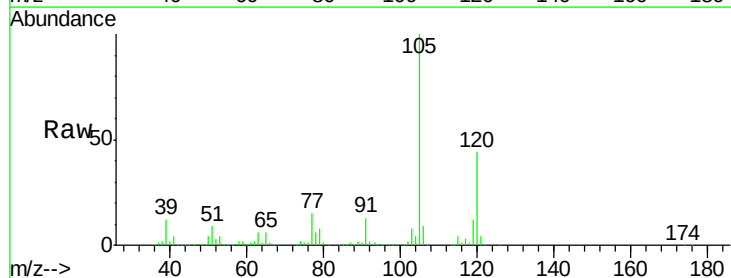
Manual Integrations
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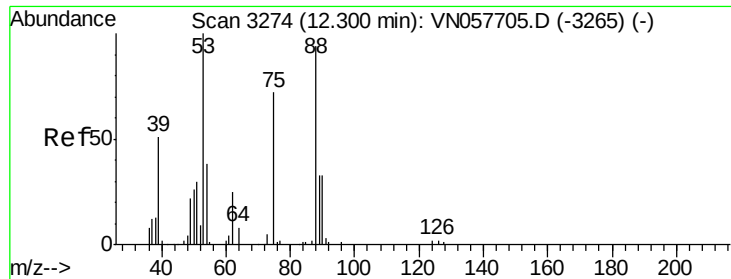
MMDadoda
 9/9/2019 1:10:45 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.075 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8





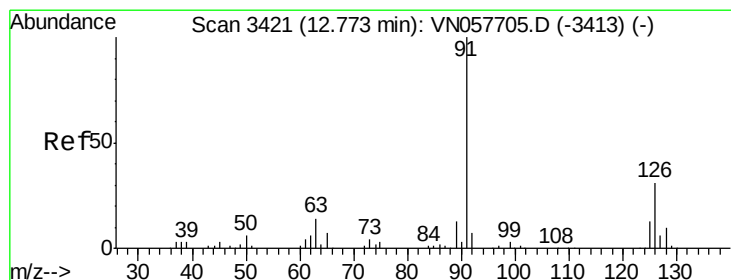
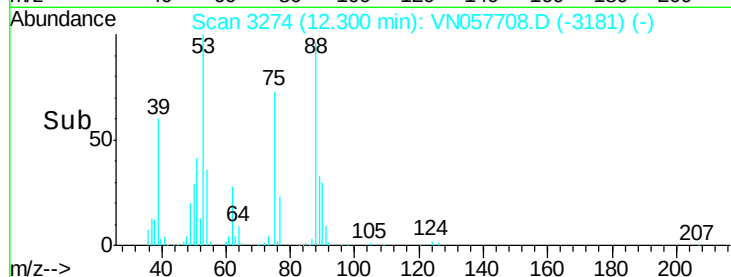
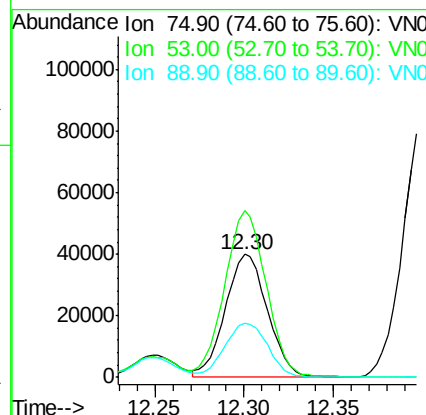
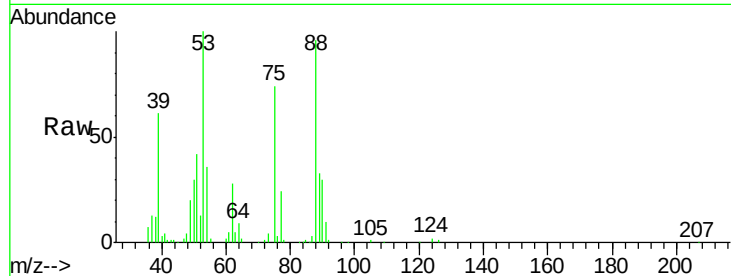
#81
trans-1,4-Dichloro-2-butene
Concen: 50.768 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampled :
ICVVN090619

Tot Ion	Ratio	Lower	Upper
75	100		
53	133.1	107.0	160.6
89	45.2	36.5	54.7

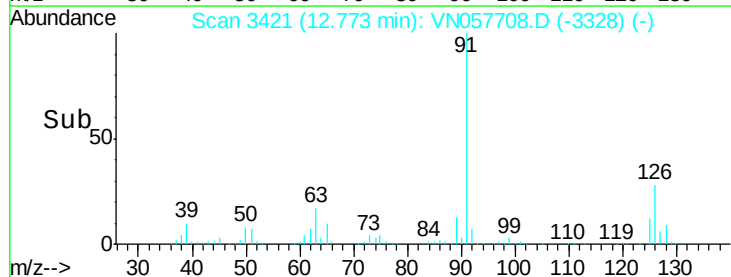
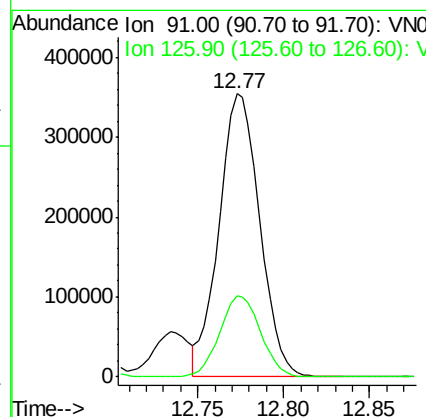
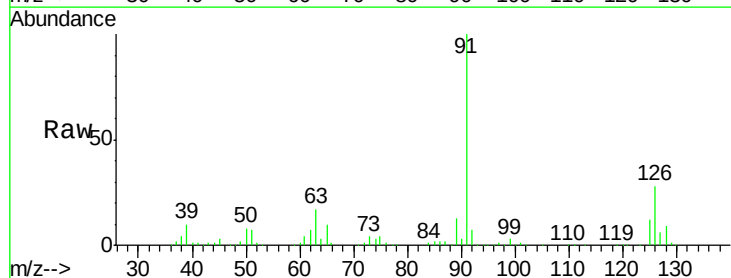
Manual Integrations
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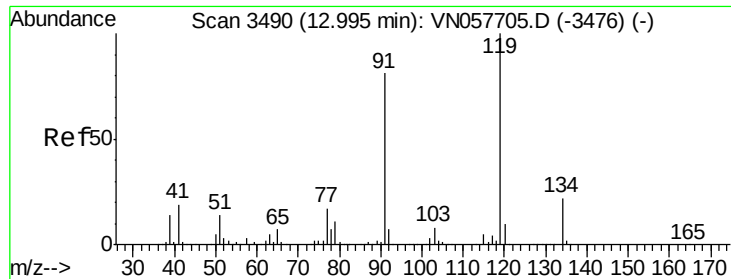
MMDadoda
9/9/2019 1:10:45 PM



#82
4-Chlorotoluene
Concen: 50.776 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.4	43.4





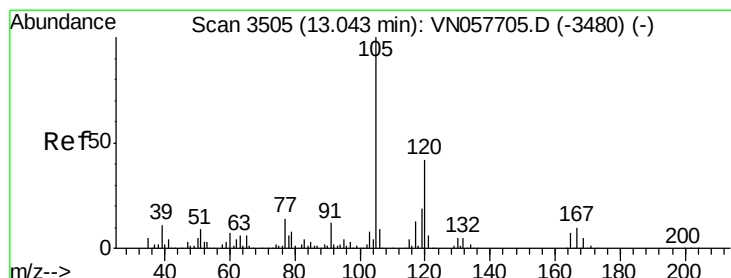
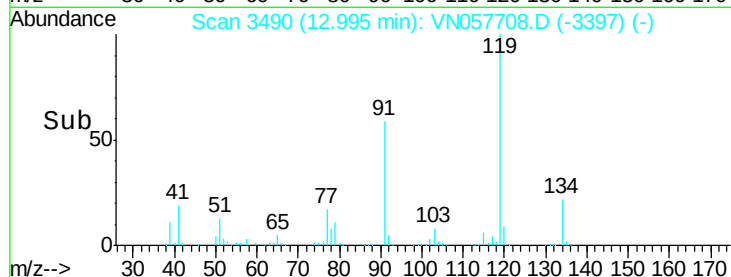
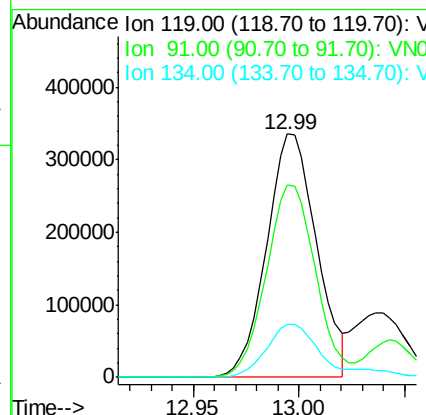
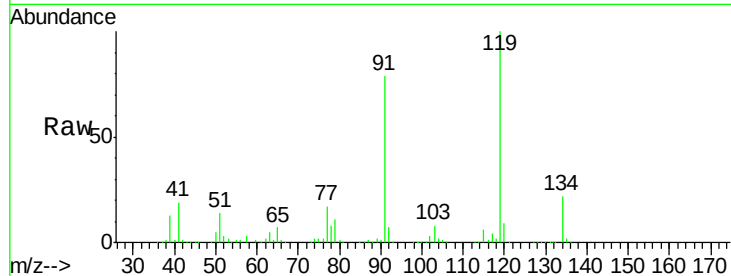
#83
 tert-Butylbenzene
 Concen: 50.116 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090619

Tot Ion	Ratio	Resp	Lower	Upper
119	100	552657		
91	77.8	39.6	118.8	
134	24.8	11.3	33.8	

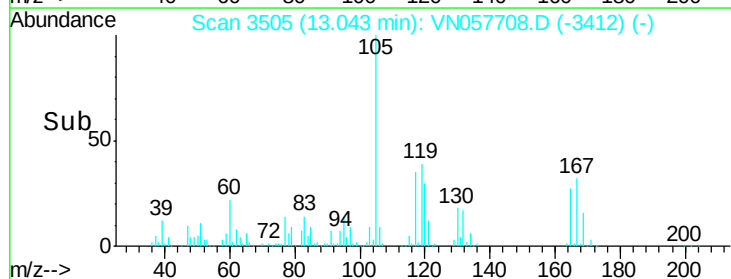
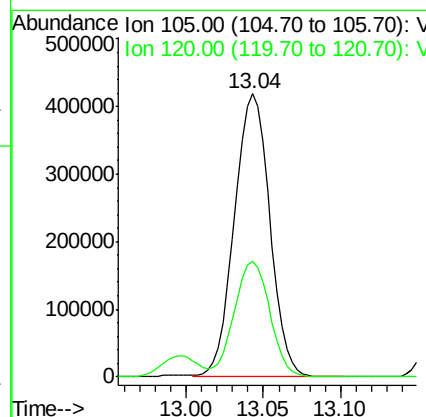
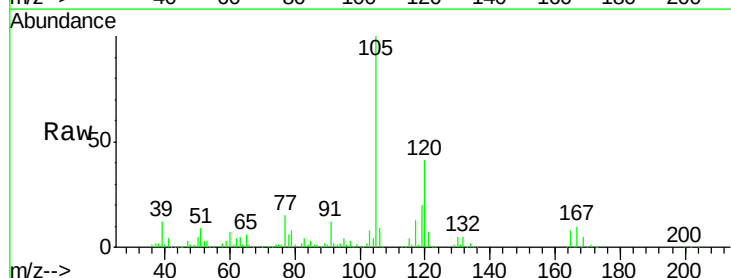
Manual Integrations
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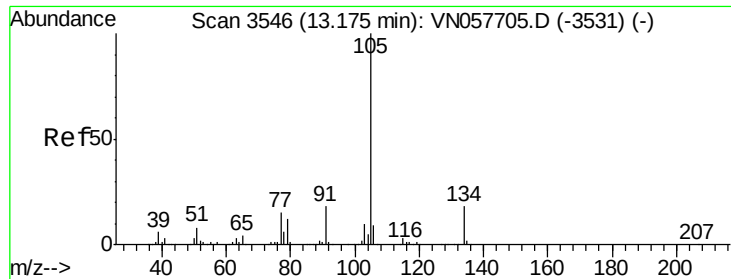
MMDadoda
 9/9/2019 1:10:45 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.227 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	663776		
120	41.3	20.8	62.5	





#85

sec-Butylbenzene

Concen: 50.362 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090619

Tot Ion:105 Resp: 765130

Ion Ratio Lower Upper

105 100

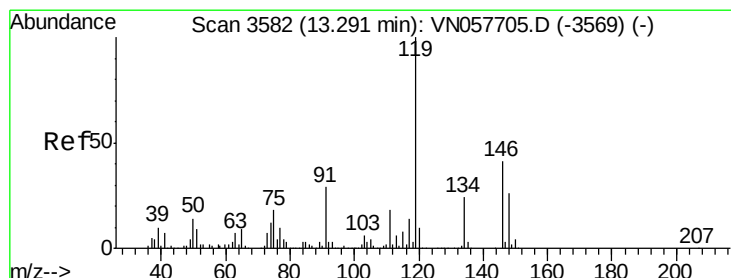
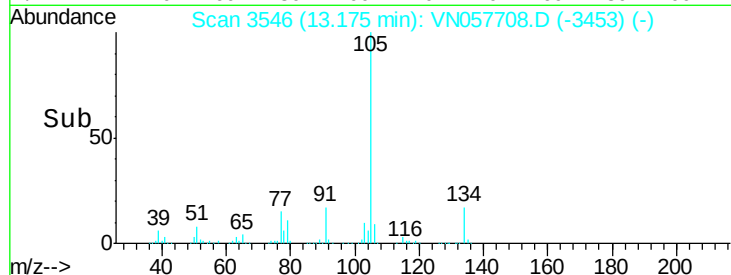
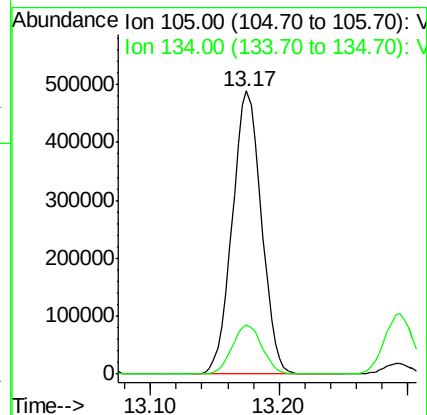
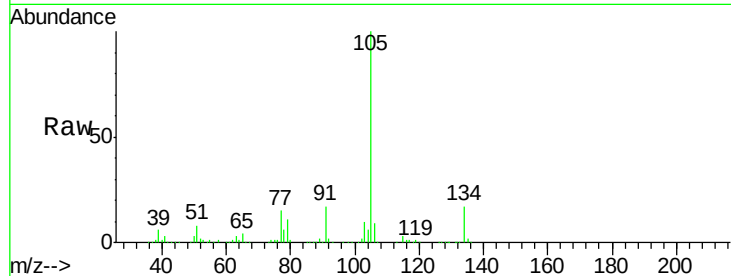
134 17.8 8.8 26.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.015 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

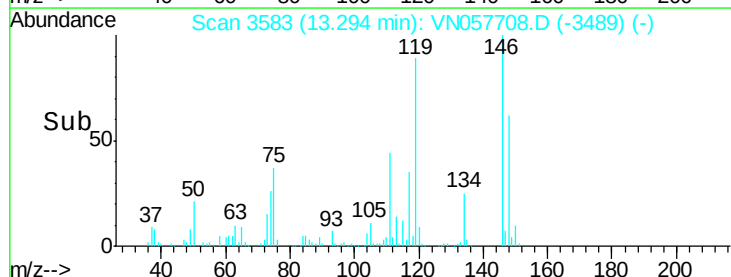
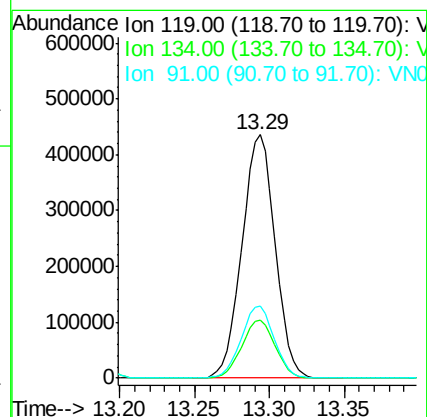
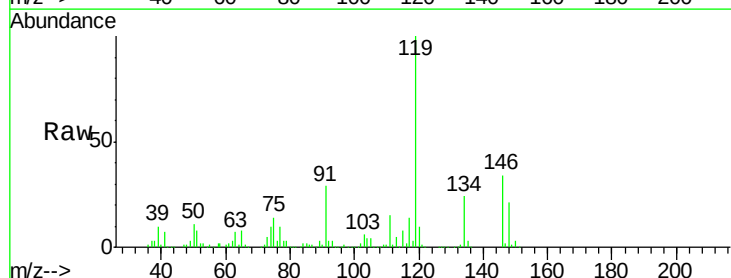
Tgt Ion:119 Resp: 669730

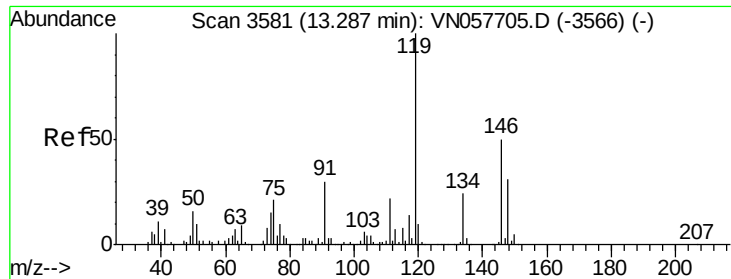
Ion Ratio Lower Upper

119 100

134 24.1 12.4 37.0

91 29.6 14.8 44.3





#87

1,3-Dichlorobenzene

Concen: 50.425 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

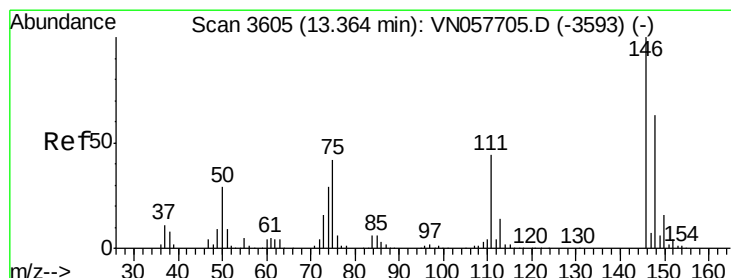
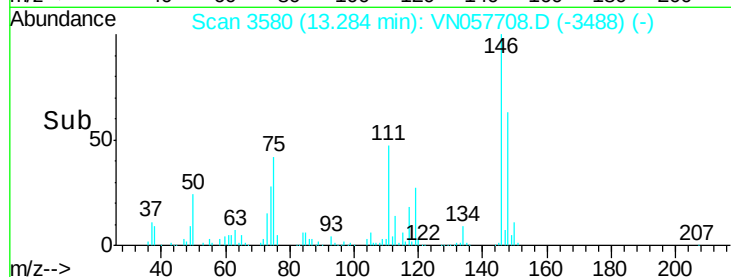
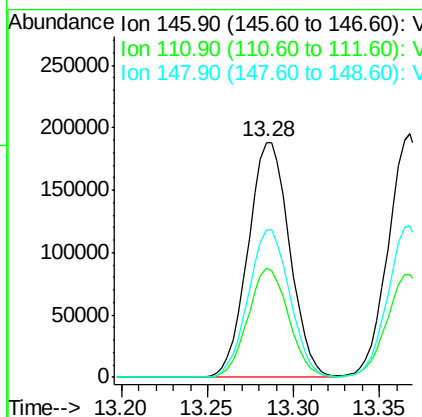
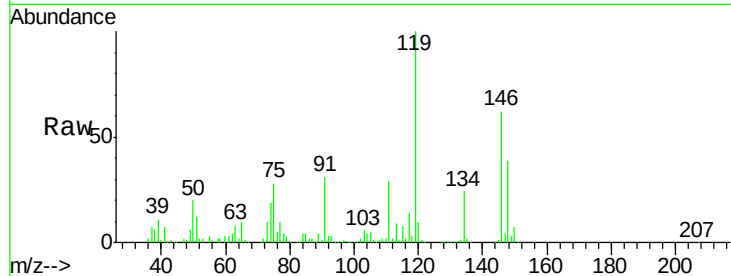
ClientSampled :

ICVVN090619

Tot Ion:	146	Resp:	315363
Ion Ratio	Lower	Upper	
146	100		
111	45.5	22.3	66.8
148	62.9	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.843 ug/l

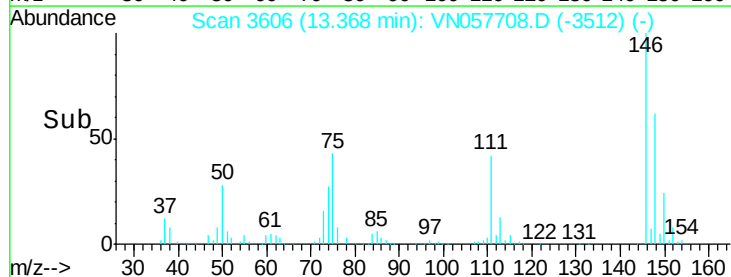
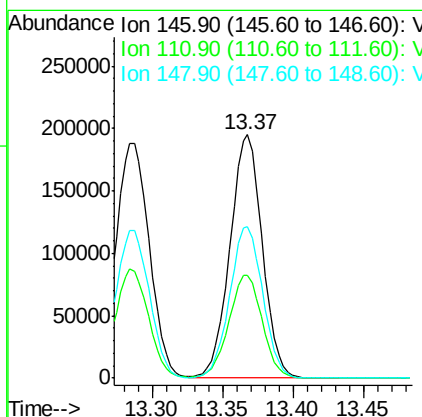
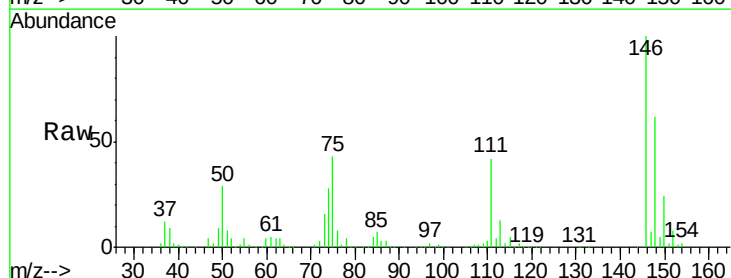
RT: 13.37 min Scan# 3606

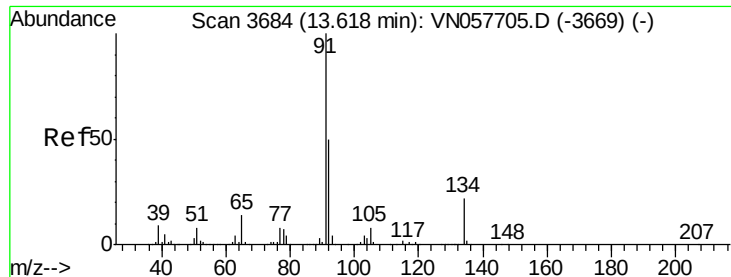
Delta R.T. 0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Tgt Ion:	146	Resp:	311834
Ion Ratio	Lower	Upper	
146	100		
111	43.9	22.3	66.9
148	64.0	31.9	95.7





#89

n-Butylbenzene

Concen: 51.277 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Instrument :

MSVOA_N

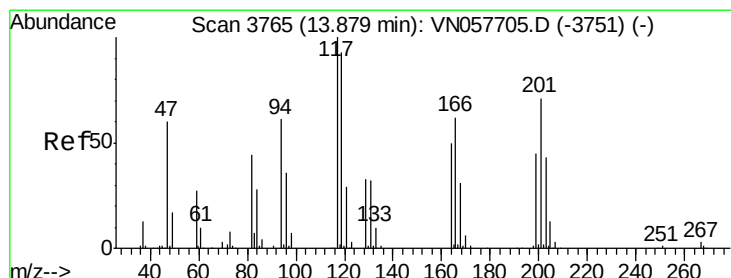
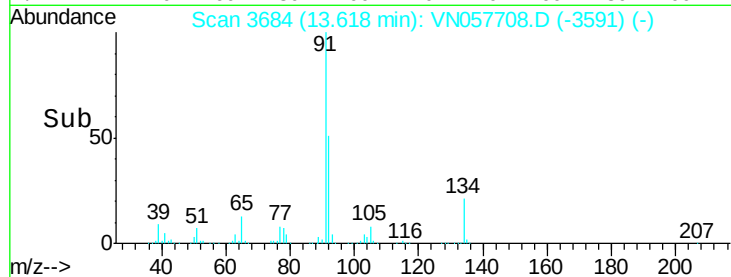
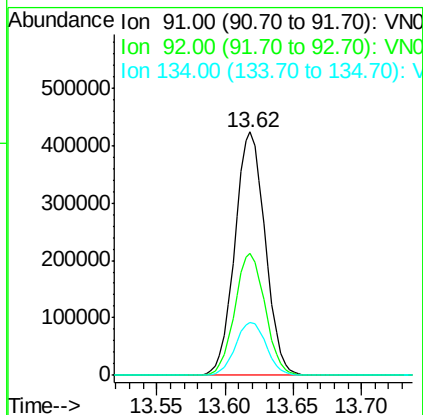
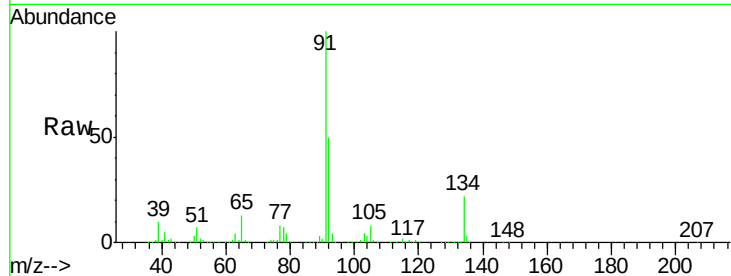
ClientSampled :

ICVVN090619

Tot Ion:	91	Resp:	652938
Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.6	76.8
134	22.2	11.2	33.5

Manual Integrations
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#90

Hexachloroethane

Concen: 53.093 ug/l

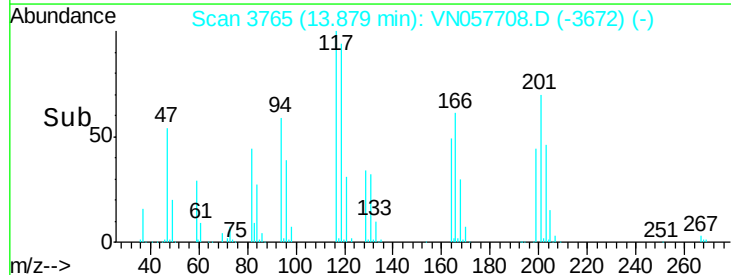
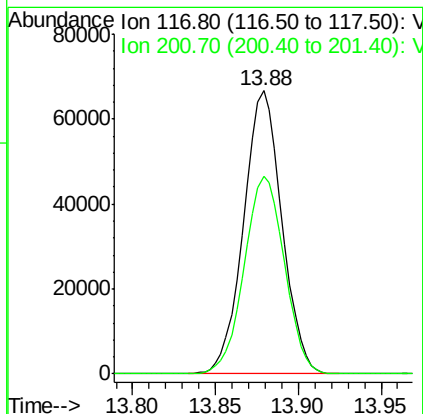
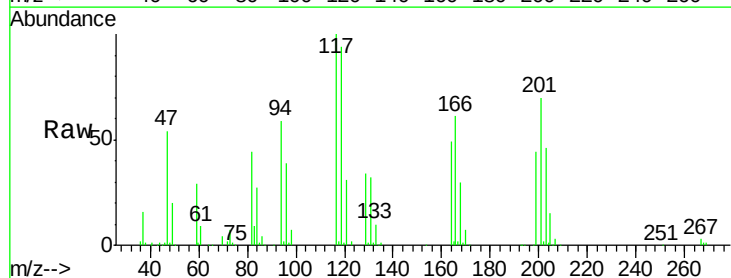
RT: 13.88 min Scan# 3765

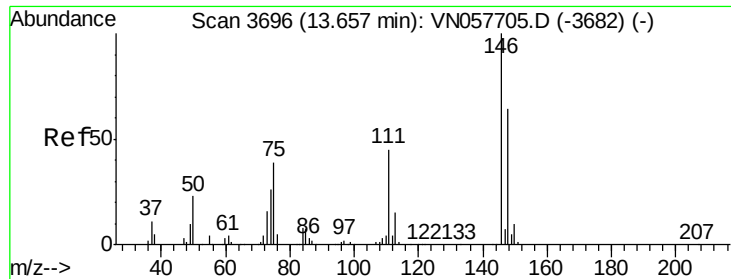
Delta R.T. -0.00 min

Lab File: VN057708.D

Acq: 5 Sep 2019 20:46

Tgt Ion:	117	Resp:	107113
Ion	Ratio	Lower	Upper
117	100		
201	73.2	36.4	109.2





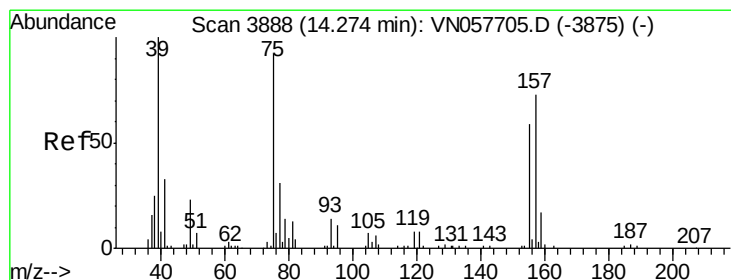
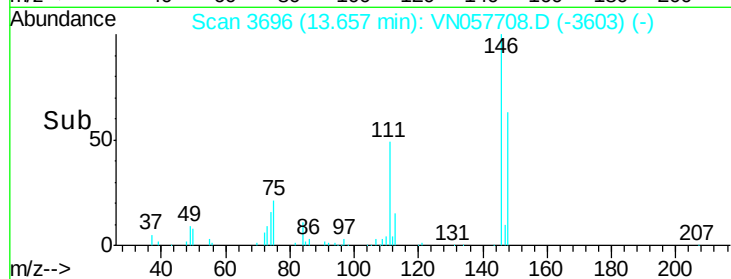
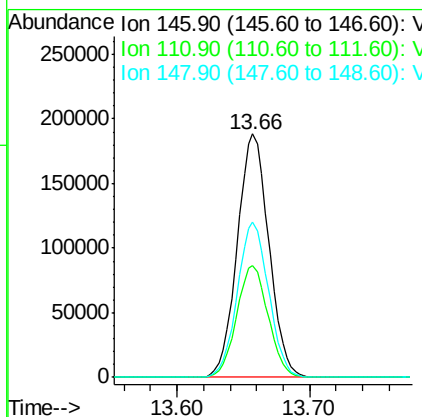
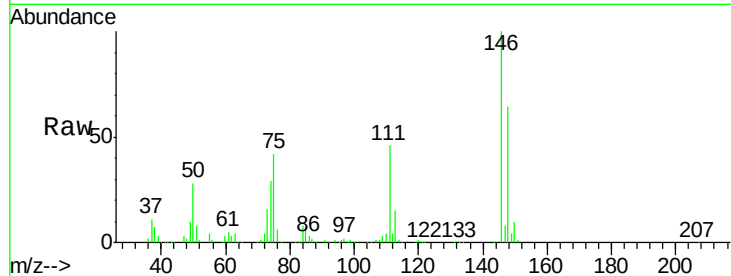
#91
 1,2-Dichlorobenzene
 Concen: 50.636 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090619

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.8	68.3
148	63.0	31.6	95.0

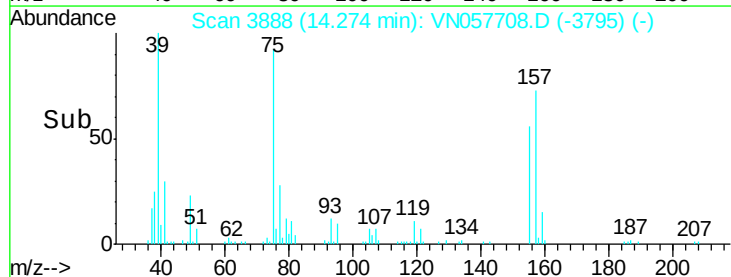
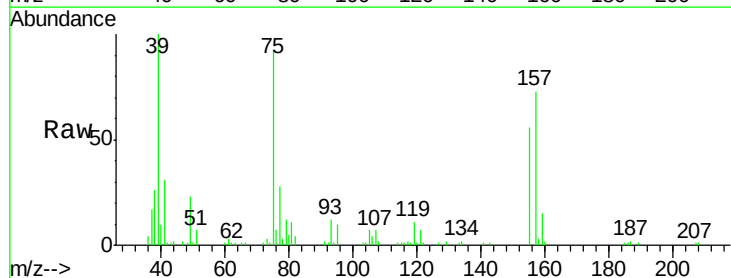
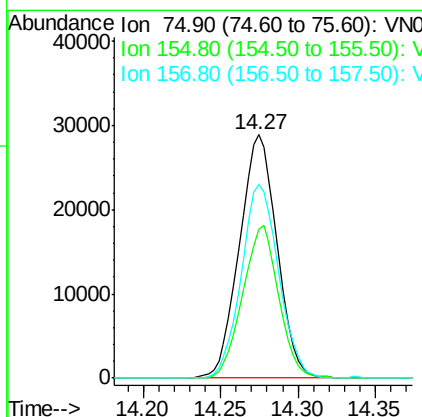
Manual Integrations
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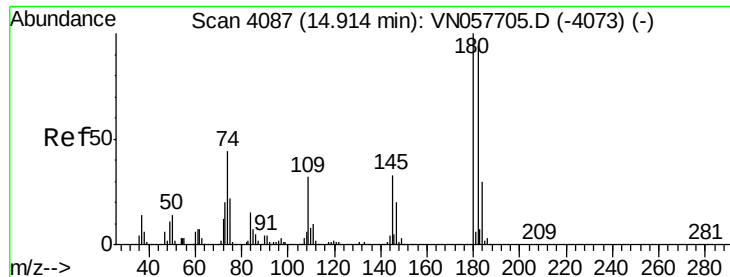
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.579 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.9	30.1	90.5
157	79.1	38.1	114.5





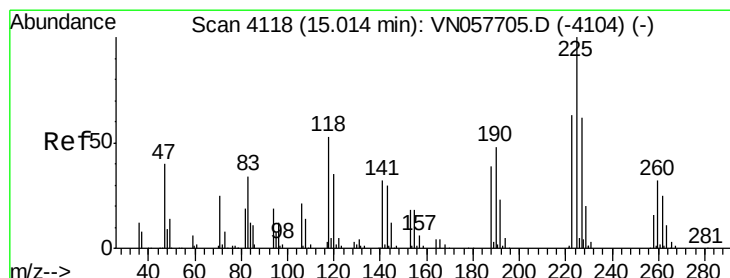
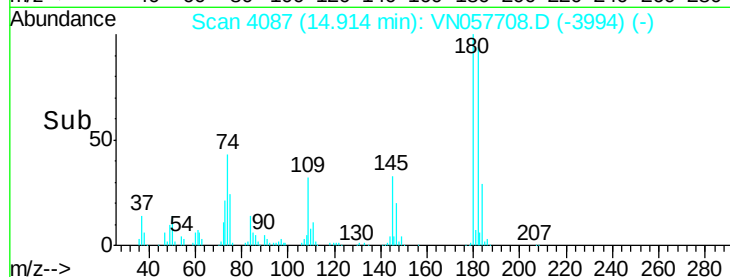
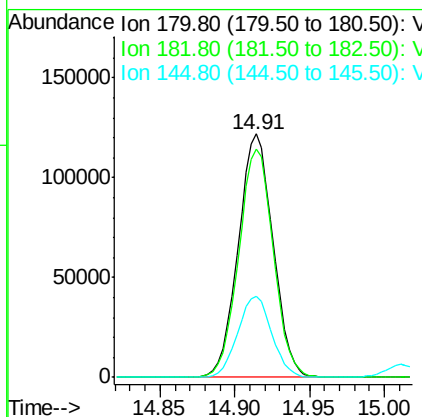
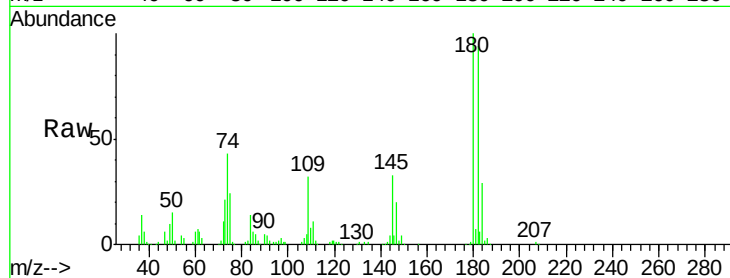
#93
 1,2,4-Trichlorobenzene
 Concen: 53.388 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090619

Tot Ion	Ratio	Resp	Lower	Upper
180	100	196664		
182	93.9	47.6	142.9	
145	32.8	16.6	49.7	

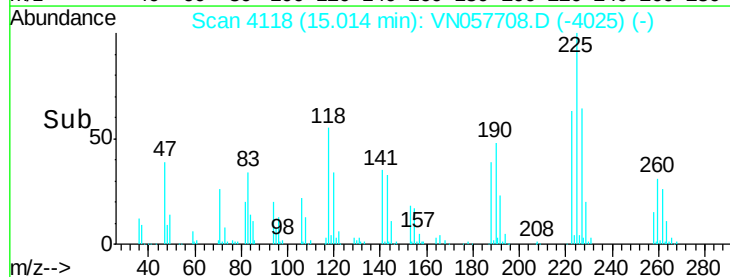
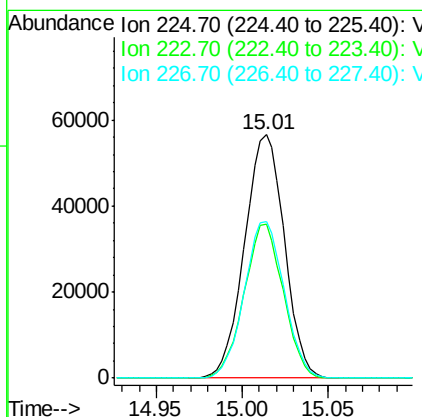
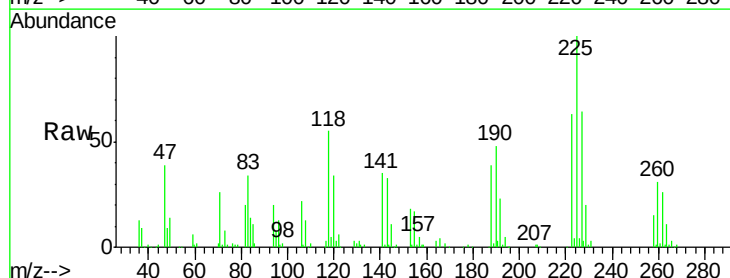
Manual Integrations
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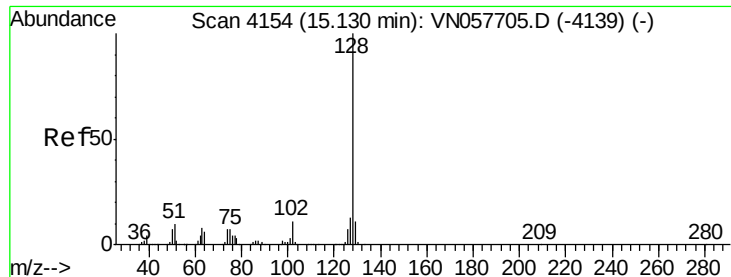
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#94
 Hexachlorobutadiene
 Concen: 50.658 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN057708.D
 Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	90956		
223	62.1	31.6	95.0	
227	64.3	31.7	95.1	





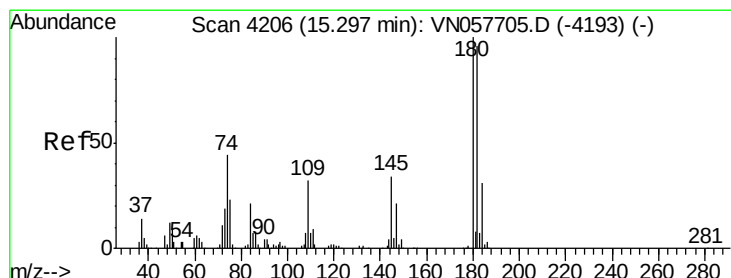
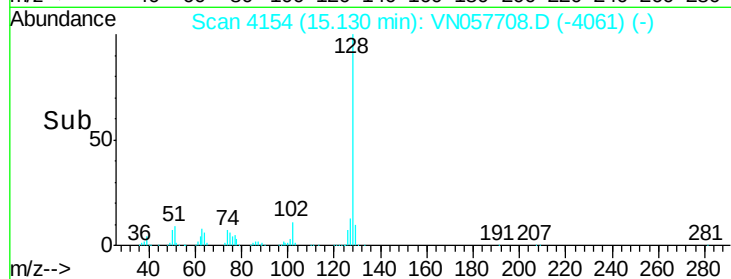
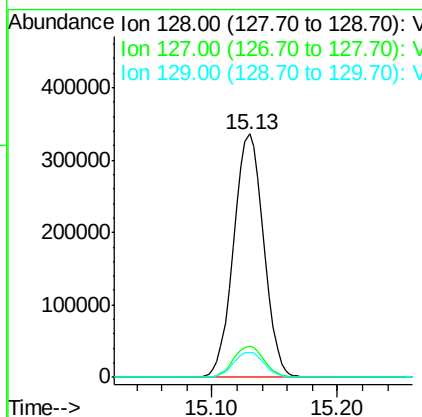
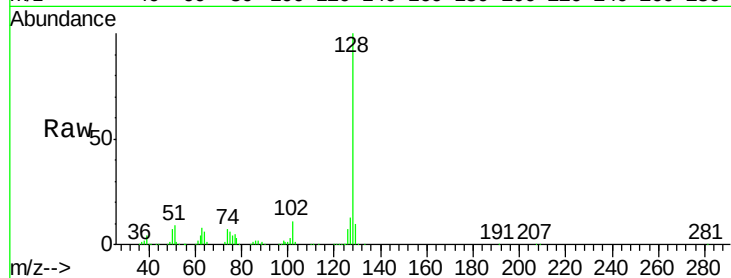
#95
Naphthalene
Concen: 52.375 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090619

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.6	8.4	12.6

Manual Integrations
APPROVED

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9/9/2019 1:10:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.889 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057708.D
Acq: 5 Sep 2019 20:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.0	141.2
145	34.5	17.5	52.6

