

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057707.D
 Acq On : 5 Sep 2019 19:39
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 1:10:41 PM

Quant Time: Sep 06 03:31:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 02:20:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	209965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	348329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	327646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	190524	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	763608	161.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.30%	
35) Dibromofluoromethane	7.57	113	486397	154.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.54%	
50) Toluene-d8	10.08	98	1832172	156.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.24%	
62) 4-Bromofluorobenzene	12.40	95	769543	172.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	345.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	507769	153.676	ug/l	96
3) Chloromethane	2.04	50	547927	160.504	ug/l	100
4) Vinyl Chloride	2.17	62	428528	153.001	ug/l	98
5) Bromomethane	2.51	94	202839m	128.893	ug/l	
6) Chloroethane	2.67	64	247063m	131.369	ug/l	
7) Trichlorofluoromethane	2.99	101	669714	131.058	ug/l	100
8) Diethyl Ether	3.39	74	277595	155.341	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	423194	149.073	ug/l	98
10) Methyl Iodide	3.93	142	500467	152.716	ug/l	97
11) Tert butyl alcohol	4.76	59	429164	809.553	ug/l	100
12) 1,1-Dichloroethene	3.71	96	386690	157.161	ug/l	98
13) Acrolein	3.58	56	202179	730.607	ug/l	94
14) Allyl chloride	4.29	41	908679	162.143	ug/l	99
15) Acrylonitrile	4.96	53	1141922	839.225	ug/l	99
16) Acetone	3.79	43	1131645	693.546	ug/l	99
17) Carbon Disulfide	4.03	76	946768	164.427	ug/l	99
18) Methyl Acetate	4.30	43	604451	141.889	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	1615582	157.227	ug/l	99
20) Methylene Chloride	4.53	84	470602	149.244	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	407728	153.341	ug/l	97
22) Diisopropyl ether	5.93	45	1878161	156.800	ug/l	97
23) Vinyl Acetate	5.87	43	7115525	789.355	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	937073	154.682	ug/l	99
25) 2-Butanone	6.81	43	1682733	780.339	ug/l	100
26) 2,2-Dichloropropane	6.80	77	827327	154.933	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	501879	156.891	ug/l	99
28) Bromochloromethane	7.18	49	492653	155.093	ug/l	98
29) Tetrahydrofuran	7.19	42	1058246	805.042	ug/l	100
30) Chloroform	7.36	83	983434	152.838	ug/l	98
31) Cyclohexane	7.64	56	784856	147.213	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	866929	162.381	ug/l	100
36) 1,1-Dichloropropene	7.78	75	671372	153.628	ug/l	99
37) Ethyl Acetate	6.91	43	716289	160.713	ug/l	99
38) Carbon Tetrachloride	7.76	117	721259	161.792	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	730630	150.580	ug/l	99
40) Benzene	8.03	78	1918489	150.923	ug/l	99
41) Methacrylonitrile	7.16	41	369702m	198.820	ug/l	
42) 1,2-Dichloroethane	8.11	62	890543	152.258	ug/l	99
43) Isopropyl Acetate	8.15	43	1366726	166.921	ug/l	99
44) Trichloroethene	8.82	130	452696	148.778	ug/l	95
45) 1,2-Dichloropropane	9.11	63	539847	152.040	ug/l	98
46) Dibromomethane	9.20	93	354931	153.471	ug/l	98
47) Bromodichloromethane	9.40	83	812031	169.717	ug/l	99
48) Methyl methacrylate	9.19	41	684145	173.066	ug/l	100
49) 1,4-Dioxane	9.19	88	161732	2889.561	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	3415842	755.942	ug/l	93
52) Toluene	10.15	92	1198195	152.179	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	857562	175.292	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	885957	165.992	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	482084	153.689	ug/l	98
56) Ethyl methacrylate	10.43	69	819578	169.990	ug/l	99
57) 1,3-Dichloropropane	10.71	76	855031	154.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1920538	1120.914	ug/l	100
59) 2-Hexanone	10.75	43	2621572	827.612	ug/l	96
60) Dibromochloromethane	10.90	129	540477	175.574	ug/l	98
61) 1,2-Dibromoethane	11.00	107	488138	158.927	ug/l	99
64) Tetrachloroethene	10.63	164	376101	132.645	ug/l	98
65) Chlorobenzene	11.43	112	1275450	153.504	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	481274	159.373	ug/l	99
67) Ethyl Benzene	11.51	91	2374708	149.710	ug/l	94
68) m/p-Xylenes	11.62	106	1741674	318.745	ug/l	85
69) o-Xylene	11.95	106	853401	156.727	ug/l	99
70) Styrene	11.96	104	1521681	175.416	ug/l	99
71) Bromoform	12.13	173	356707	188.944	ug/l	# 99
73) Isopropylbenzene	12.25	105	2346758	102.693	ug/l	98
74) N-amyl acetate	12.07	43	1307251	137.672	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	723081	116.729	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	645140m	123.293	ug/l	
77) Bromobenzene	12.53	156	537944	110.321	ug/l	99
78) n-propylbenzene	12.59	91	2727829	109.424	ug/l	95
79) 2-Chlorotoluene	12.68	91	1748966	113.720	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2068581	111.213	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	235092	153.051	ug/l	96
82) 4-Chlorotoluene	12.78	91	1843218	126.509	ug/l	99
83) tert-Butylbenzene	13.00	119	1734728	105.960	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2052798	120.521	ug/l	98
85) sec-Butylbenzene	13.17	105	2348637	113.957	ug/l	98
86) p-Isopropyltoluene	13.29	119	2082815	122.538	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	1016014	151.376	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	1012261	148.106	ug/l	99
89) n-Butylbenzene	13.62	91	2104498	141.749	ug/l	98
90) Hexachloroethane	13.88	117	377872	124.935	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	989922	155.144	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	165466	181.195	ug/l	98

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VSTDICC150

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Quant Title : SW846 8260
QLast Update : Fri Sep 06 02:20:36 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	664457	284.513	ug/l	99
94) Hexachlorobutadiene	15.01	225	300152	116.202	ug/l	99
95) Naphthalene	15.13	128	1866636	304.624	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	621092	284.770	ug/l	99

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

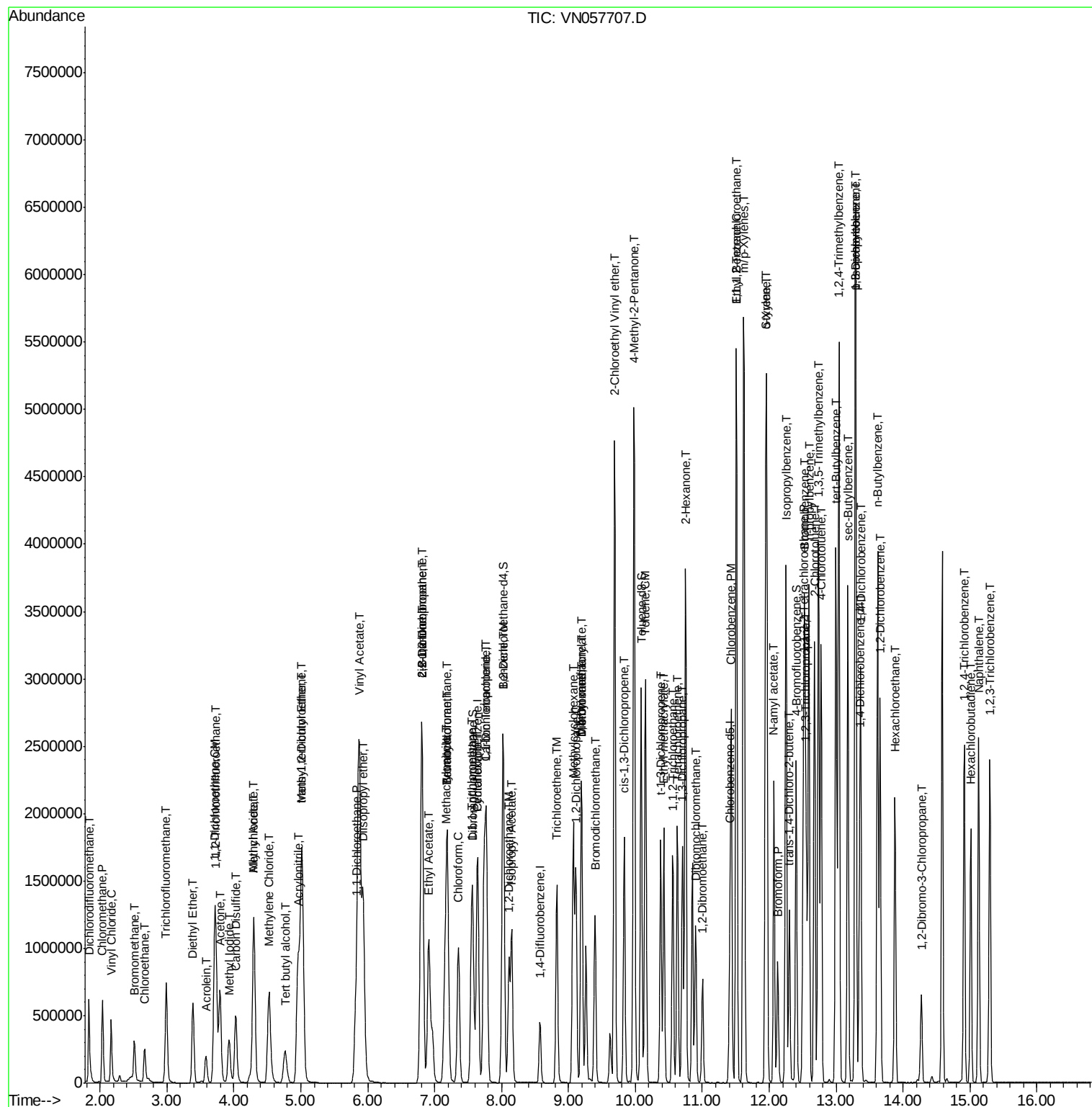
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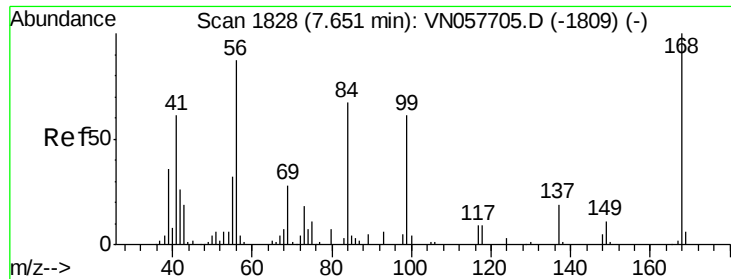
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 209965

Ion Ratio Lower Upper

168 100

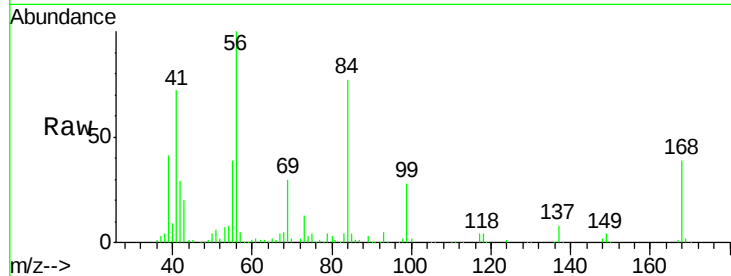
99 70.6 57.4 86.0

Manual Integrations

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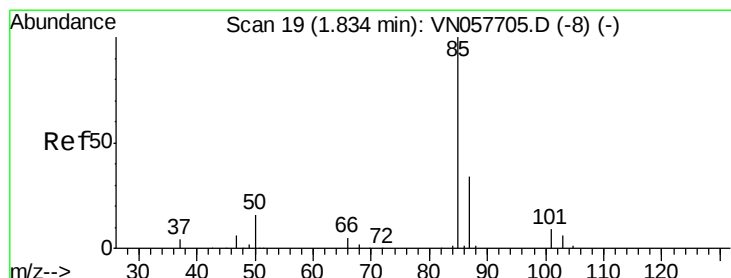
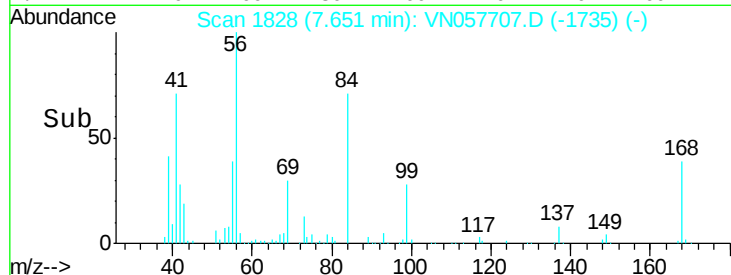
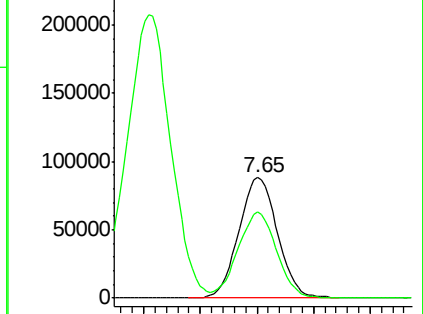
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 153.676 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057707.D

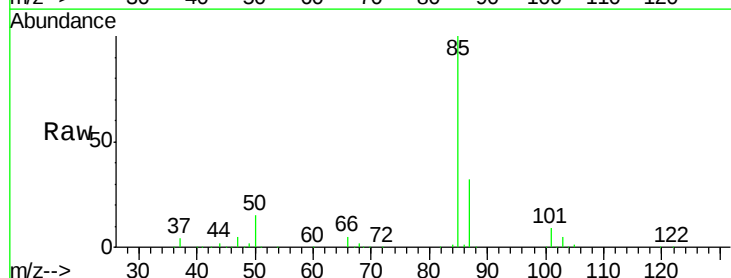
Acq: 5 Sep 2019 19:39

Tgt Ion: 85 Resp: 507769

Ion Ratio Lower Upper

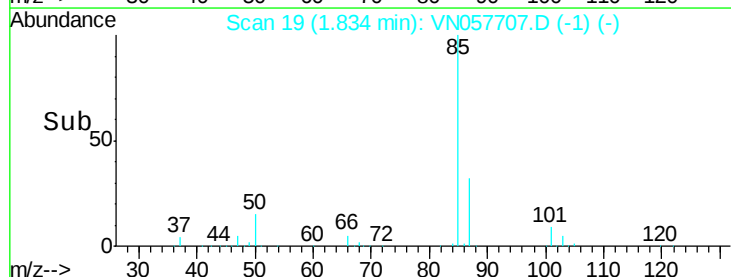
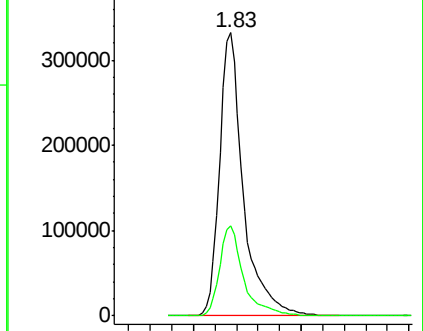
85 100

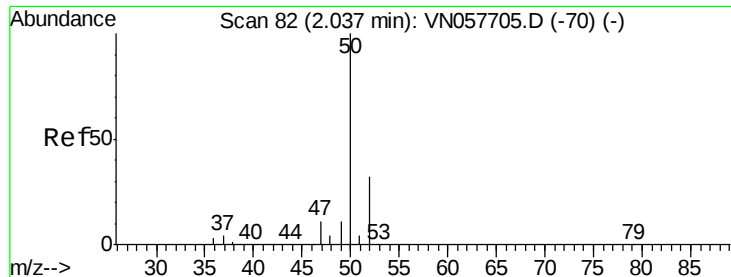
87 31.6 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 160.504 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 547927

Ion Ratio Lower Upper

50 100

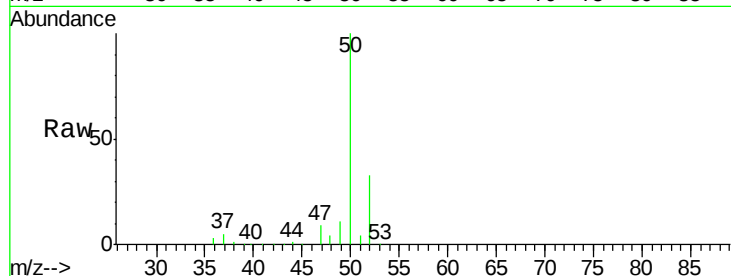
52 32.7 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

400000

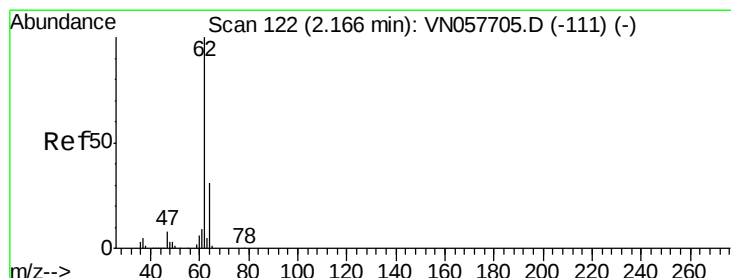
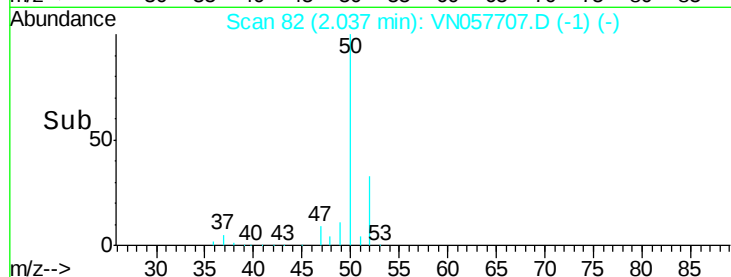
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 153.001 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN057707.D

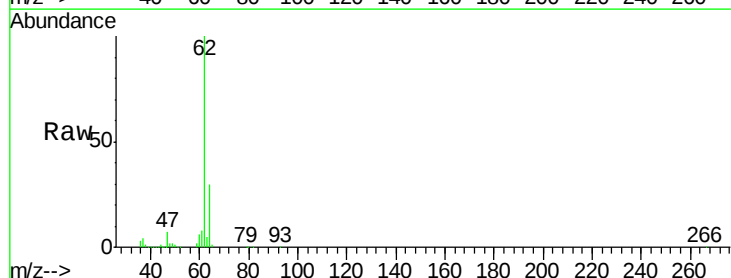
Acq: 5 Sep 2019 19:39

Tgt Ion: 62 Resp: 428528

Ion Ratio Lower Upper

62 100

64 29.8 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

300000

250000

200000

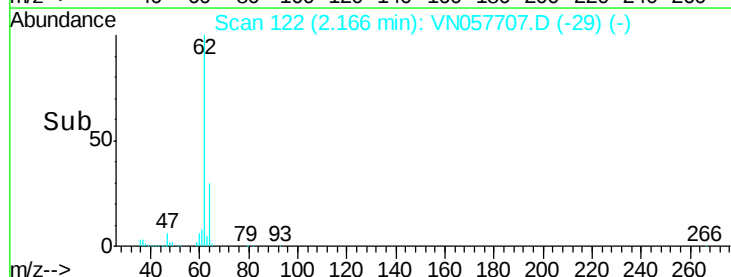
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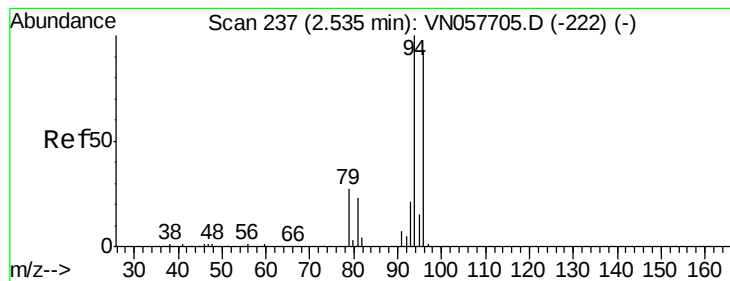
100000

50000

0

Time-->





#5

Bromomethane

Concen: 128.893 ug/l m

RT: 2.51 min Scan# 230

Delta R.T. -0.02 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Tot Ion: 94 Resp: 202839

Ion Ratio Lower Upper

94 100

96 93.6 74.8 112.2

Instrument :

MSVOA_N

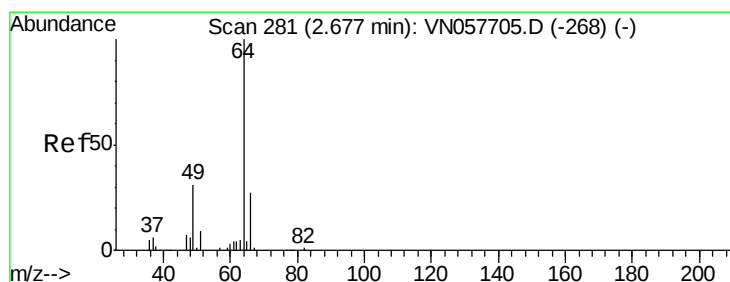
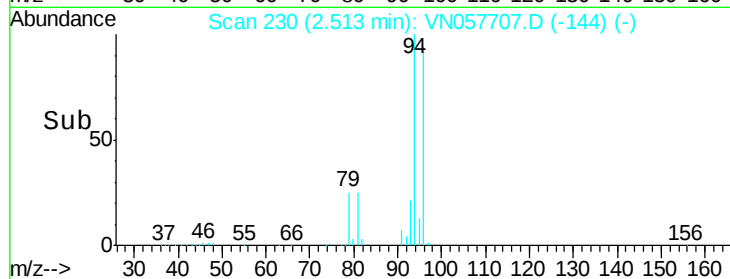
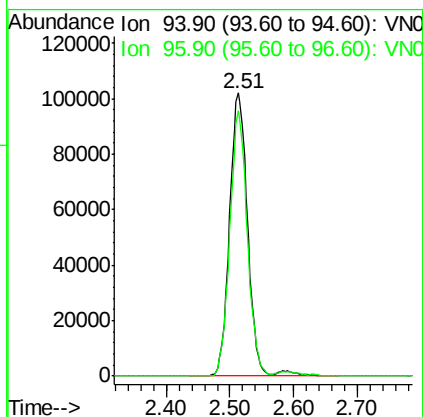
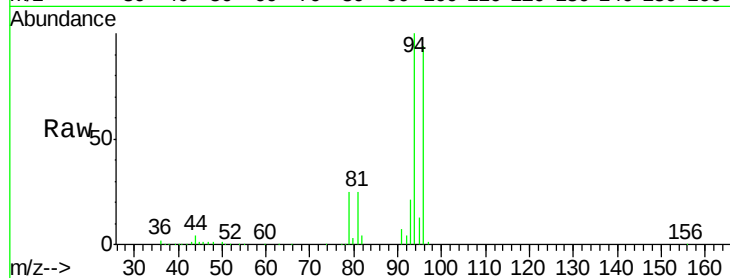
ClientSampleId :

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#6

Chloroethane

Concen: 131.369 ug/l m

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN057707.D

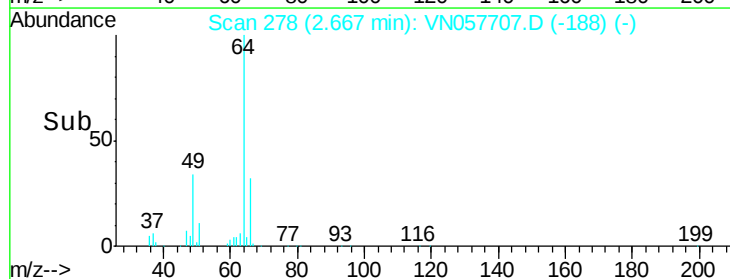
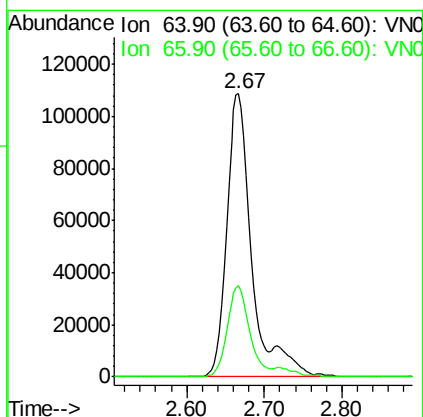
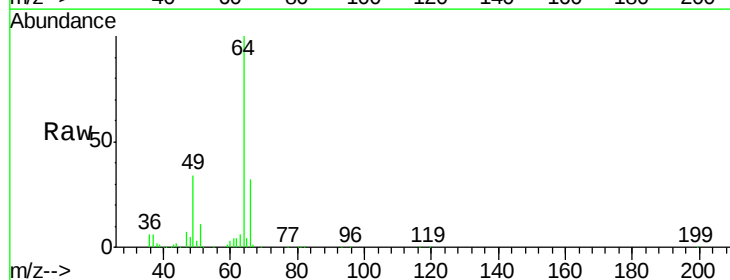
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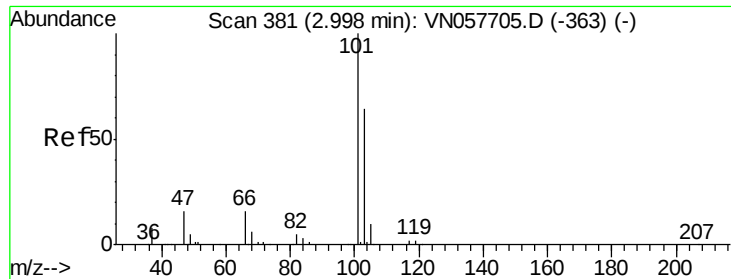
Tgt Ion: 64 Resp: 247063

Ion Ratio Lower Upper

64 100

66 32.1 22.0 33.0





#7

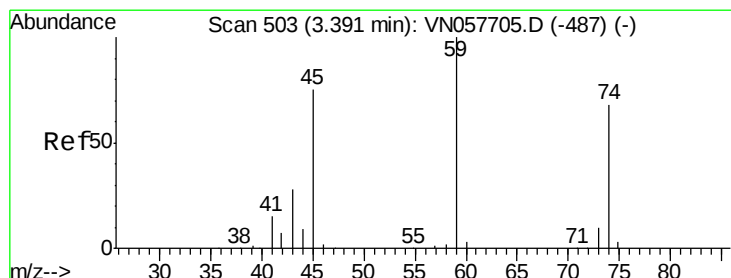
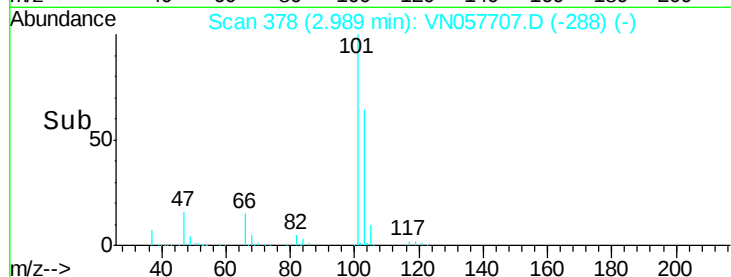
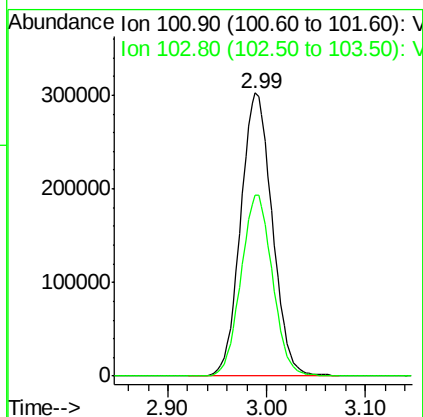
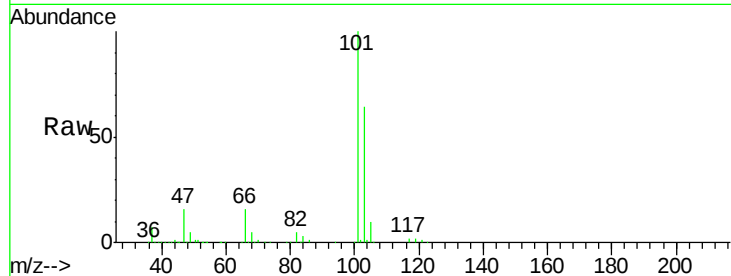
Trichlorofluoromethane
Concen: 131.058 ug/l
RT: 2.99 min Scan# 378
Delta R.T. -0.01 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.0

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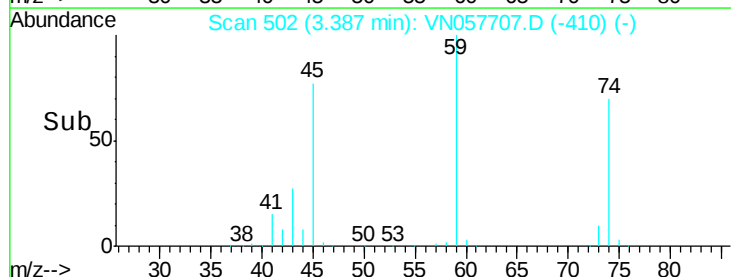
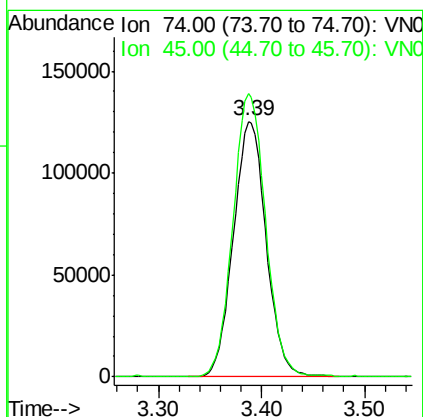
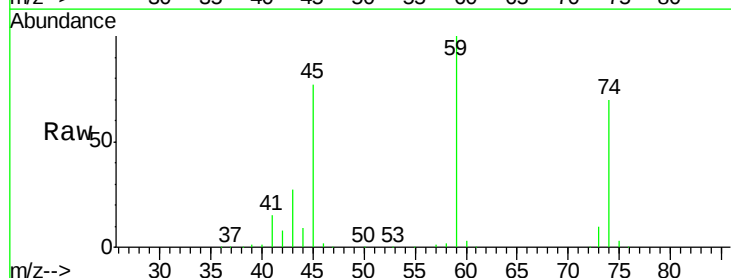
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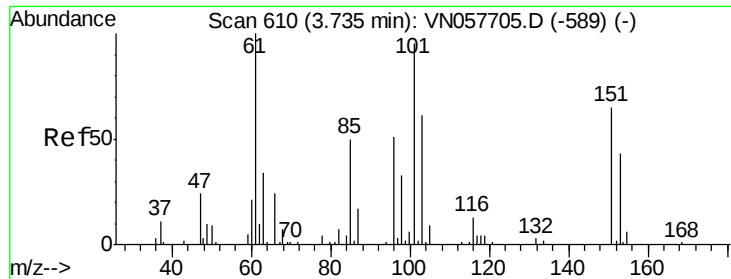


#8

Diethyl Ether
Concen: 155.341 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.8	55.4	166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.073 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

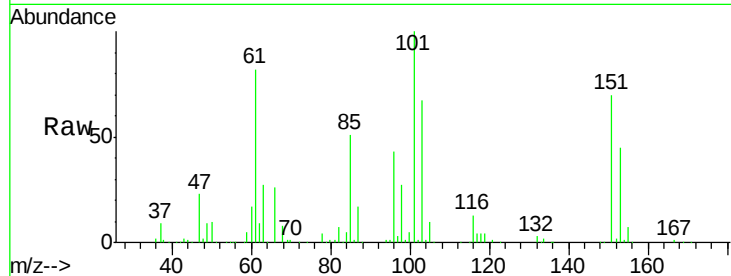
ClientSampled :

VSTDIC150

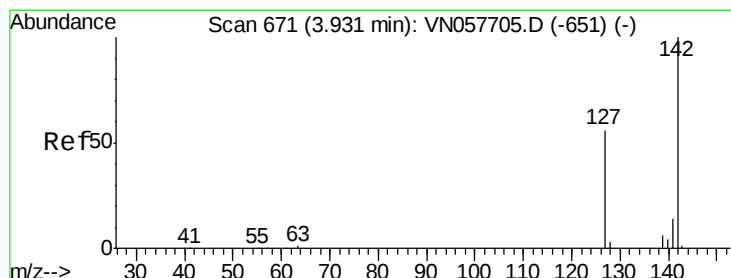
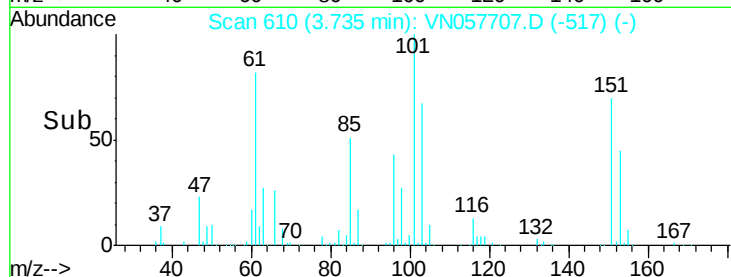
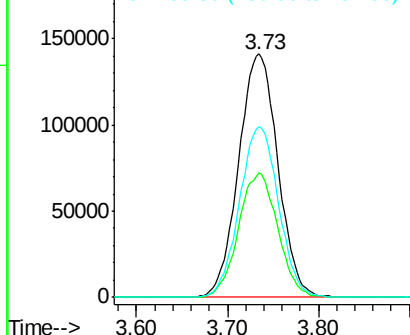
Tot Ion:	101	Resp:	423194
Ion Ratio	Lower	Upper	
101	100		
85	51.2	42.8	64.2
151	69.9	55.5	83.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 152.716 ug/l

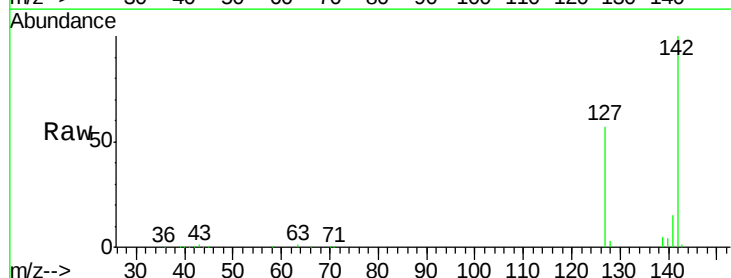
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

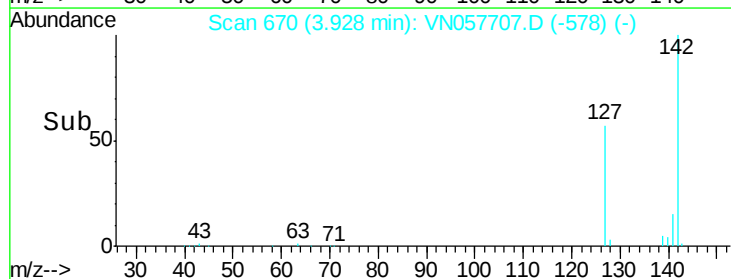
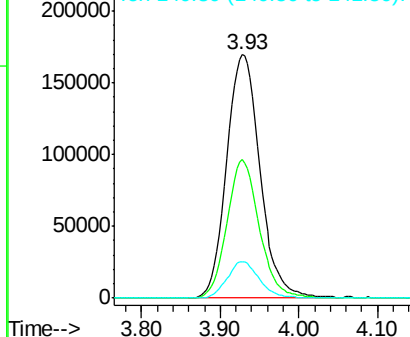
Lab File: VN057707.D

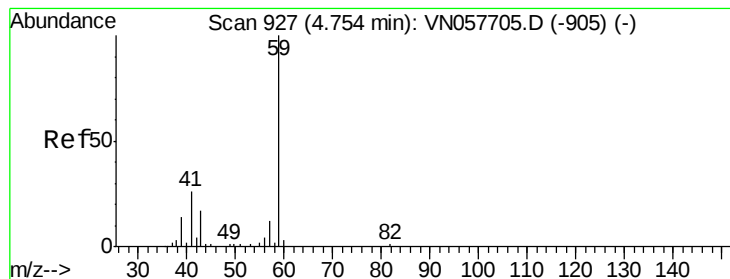
Acq: 5 Sep 2019 19:39

Tgt Ion:	142	Resp:	500467
Ion Ratio	Lower	Upper	
142	100		
127	54.7	42.1	63.1
141	14.5	11.0	16.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

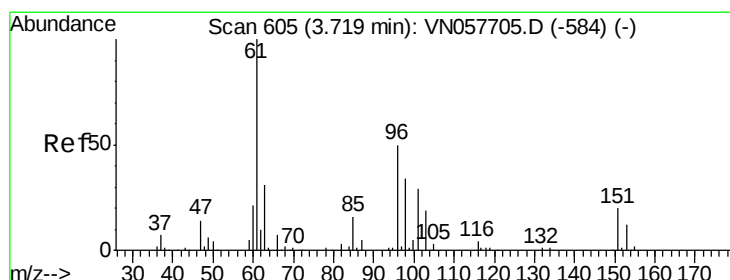
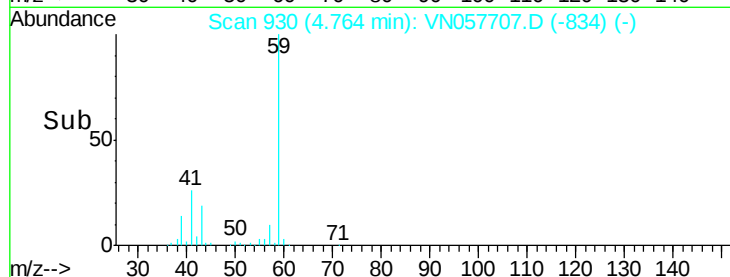
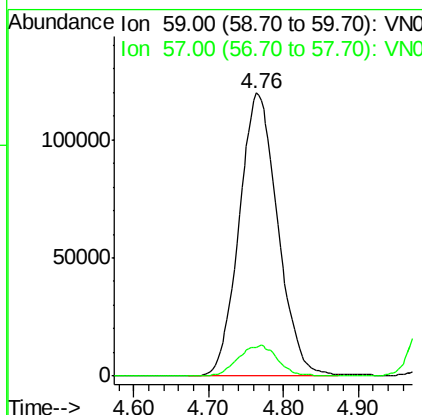
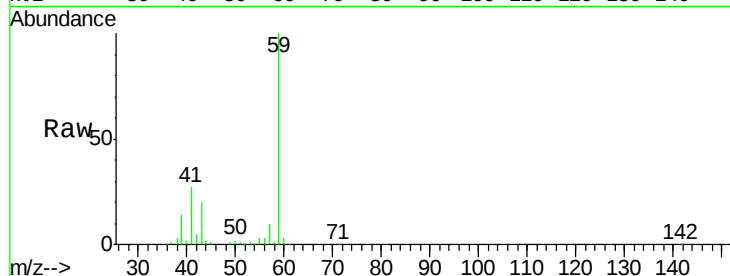
Tert butyl alcohol
 Concen: 809.553 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.9	13.3

Manual Integrations
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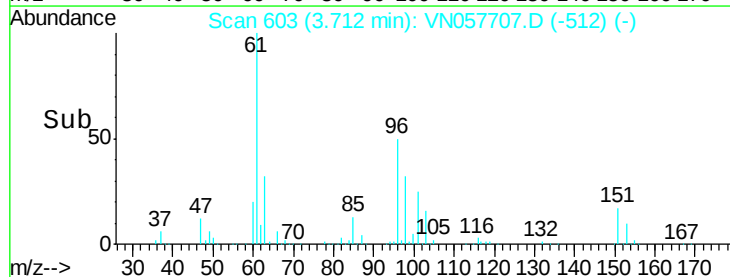
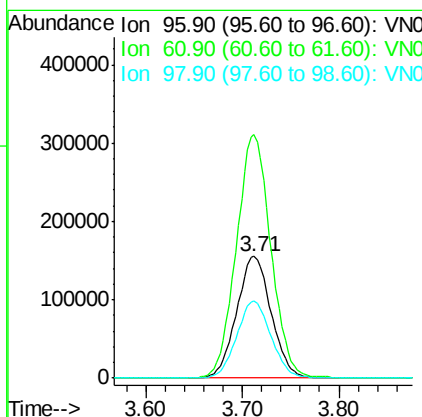
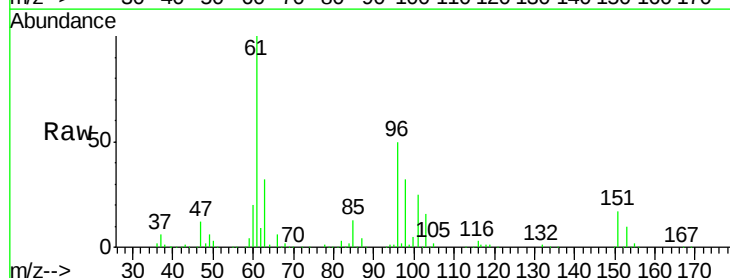
MMDadoda
 9/9/2019 1:10:41 PM

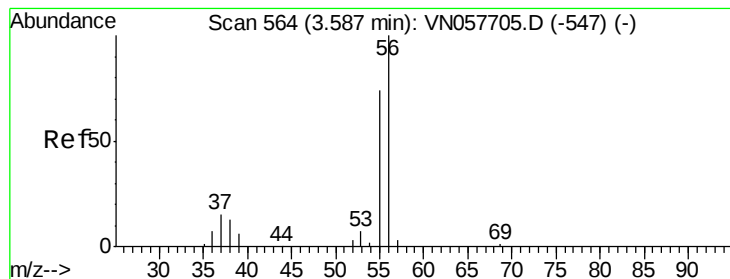


#12

1,1-Dichloroethene
 Concen: 157.161 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	199.9	158.7	238.1
98	63.8	53.8	80.8





#13

Acrolein

Concen: 730.607 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 202179

Ion Ratio Lower Upper

56 100

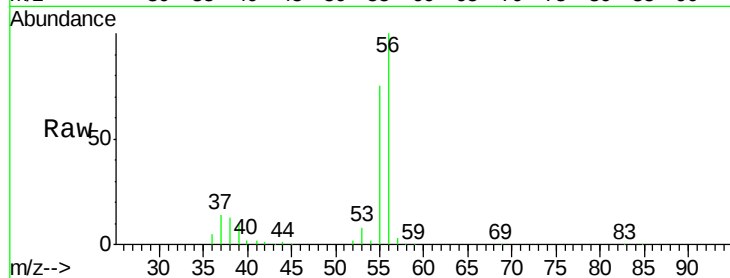
55 74.1 55.4 83.0

Manual Integrations

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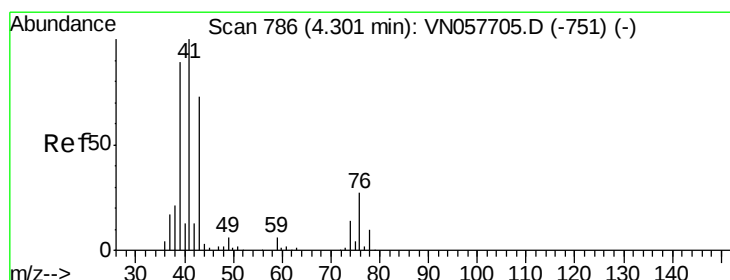
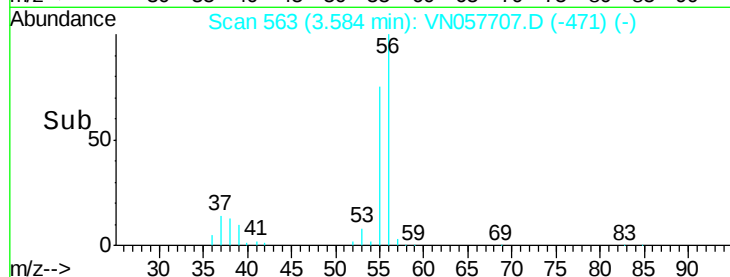


Abundance Ion 56.00 (55.70 to 56.70): VN057707.D (-547) (-)

Ion 55.00 (54.70 to 55.70): VN057707.D (-547) (-)

3.58

Time-->



#14

Allyl chloride

Concen: 162.143 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.01 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

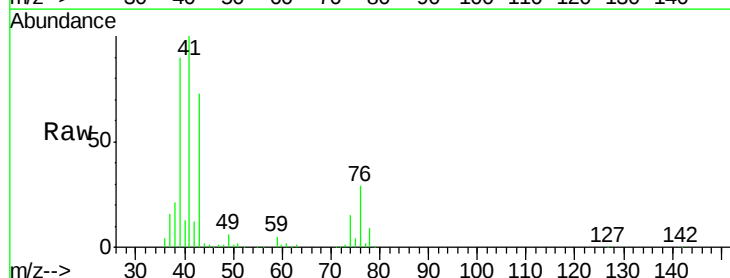
Tgt Ion: 41 Resp: 908679

Ion Ratio Lower Upper

41 100

39 83.0 67.5 101.3

76 26.3 21.4 32.2



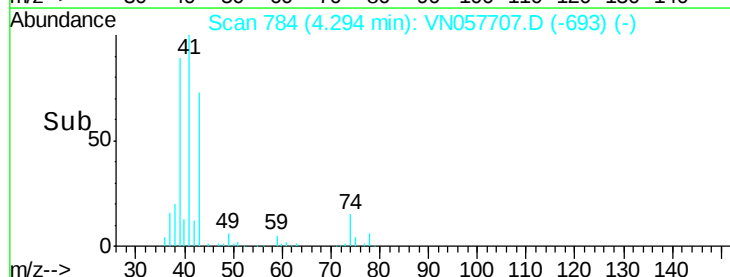
Abundance Ion 41.00 (40.70 to 41.70): VN057707.D (-693) (-)

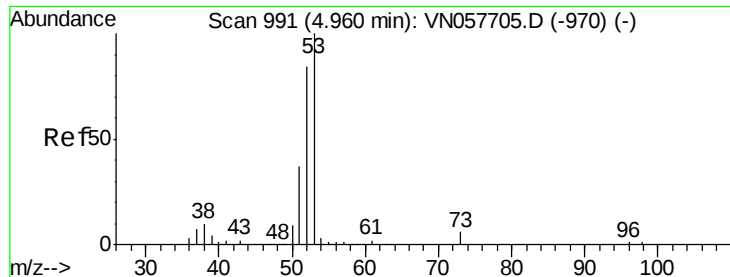
Ion 39.00 (38.70 to 39.70): VN057707.D (-693) (-)

Ion 75.90 (75.60 to 76.60): VN057707.D (-693) (-)

4.29

Time-->





#15

Acrylonitrile

Concen: 839.225 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1141922

Ion Ratio Lower Upper

53 100

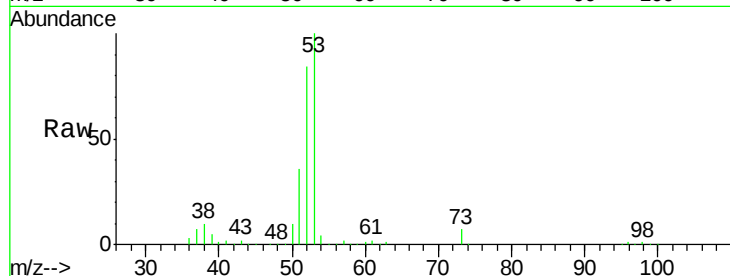
52 84.0 68.1 102.1

51 38.0 30.4 45.6

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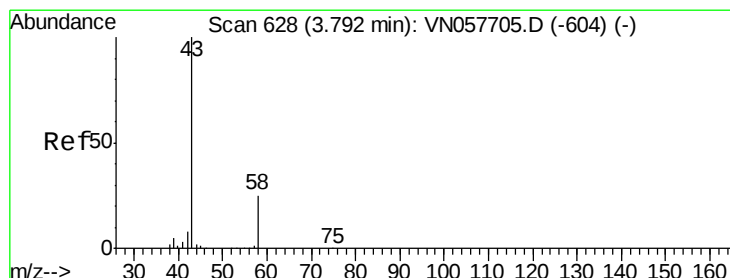
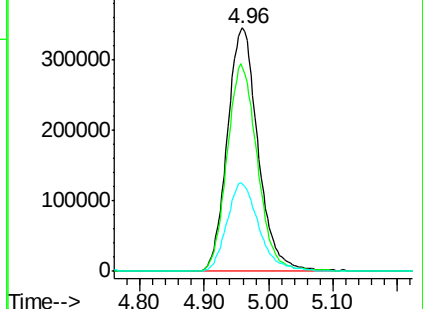
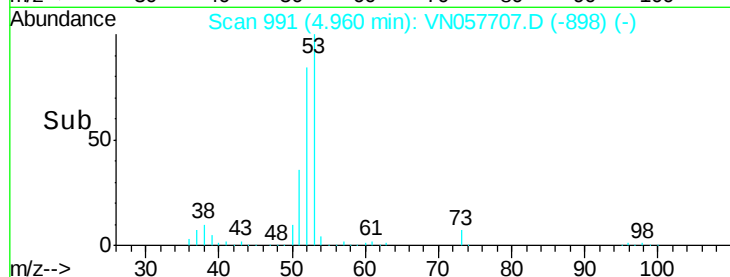
9/9/2019 1:10:41 PM



Abundance Ion 53.00 (52.70 to 53.70): VN057707.D (-898) (-)

Ion 52.00 (51.70 to 52.70): VN057707.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VN057707.D (-898) (-)



#16

Acetone

Concen: 693.546 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN057707.D

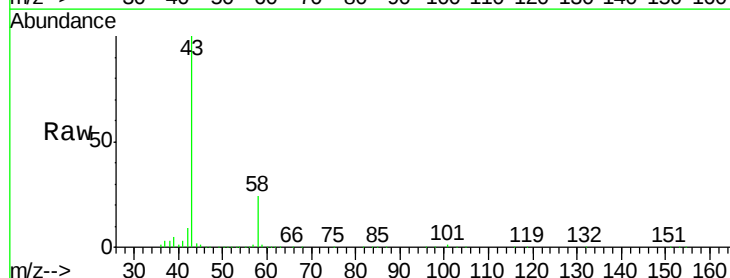
Acq: 5 Sep 2019 19:39

Tgt Ion: 43 Resp: 1131645

Ion Ratio Lower Upper

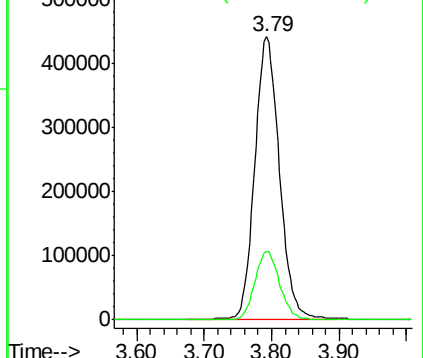
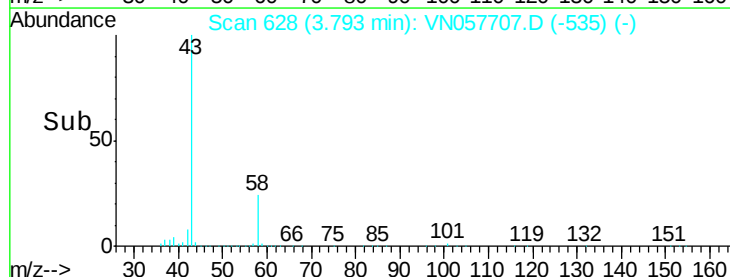
43 100

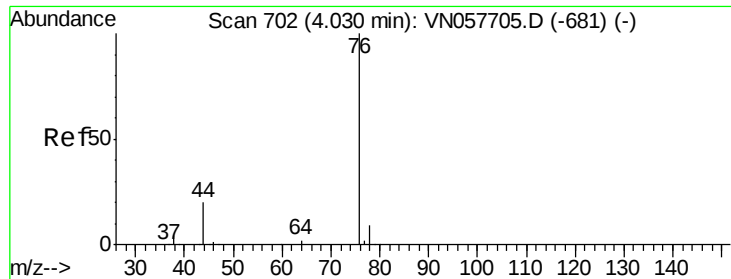
58 24.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN057707.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN057707.D (-535) (-)





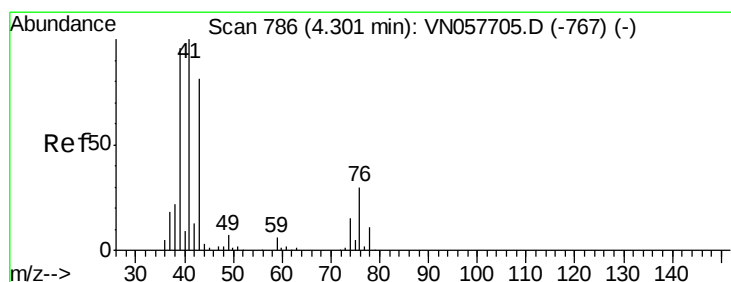
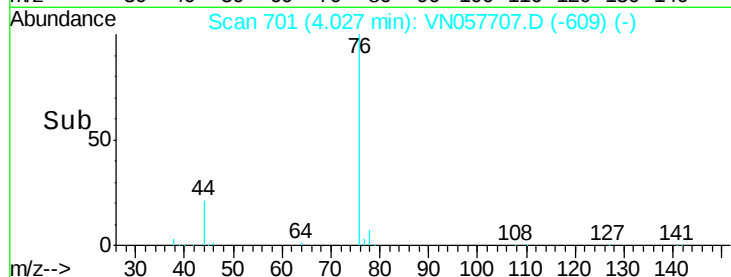
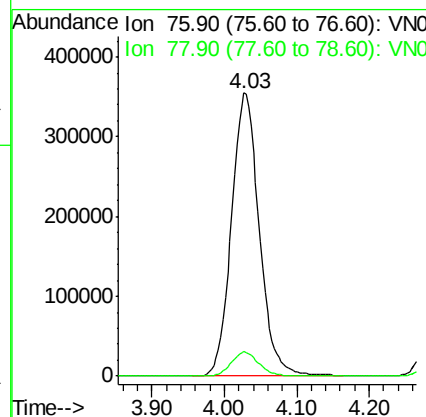
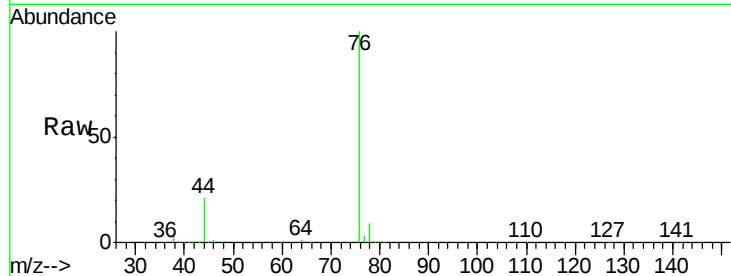
#17
Carbon Disulfide
Concen: 164.427 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

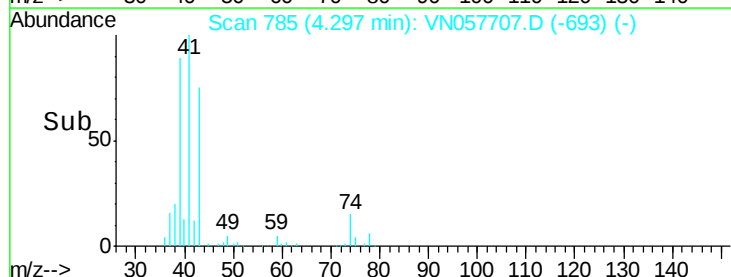
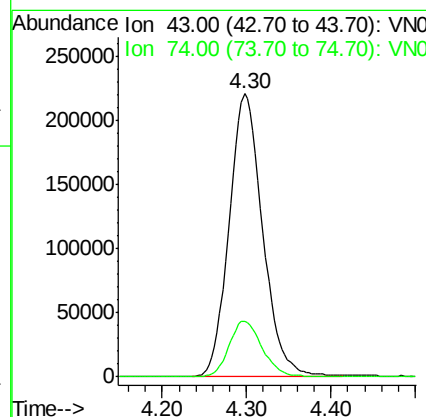
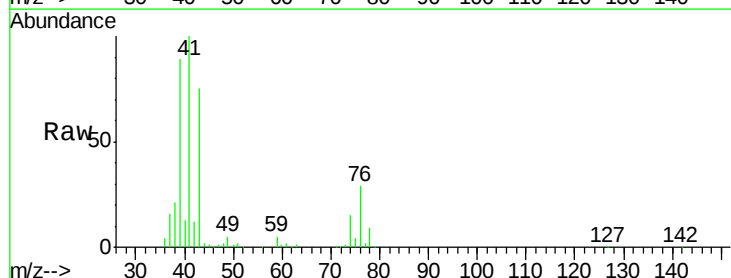
Manual Integrations
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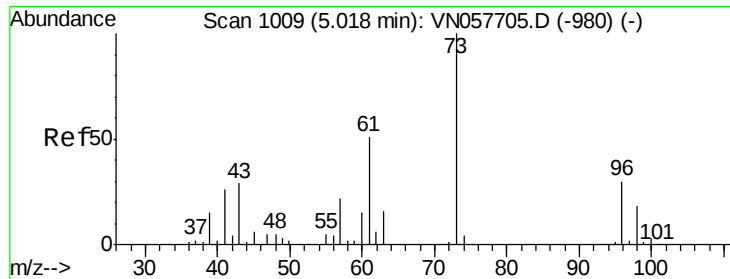
MMDadoda
9/9/2019 1:10:41 PM



#18
Methyl Acetate
Concen: 141.889 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	15.3	22.9





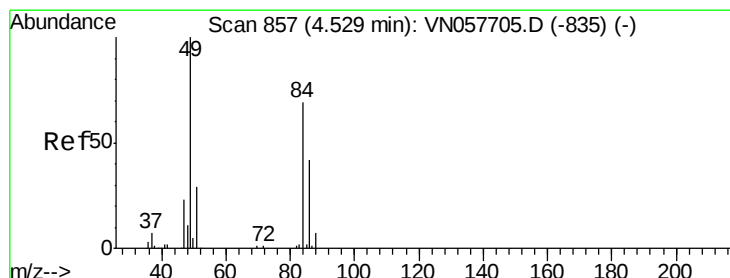
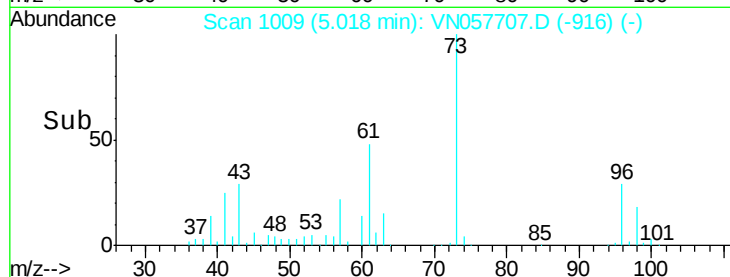
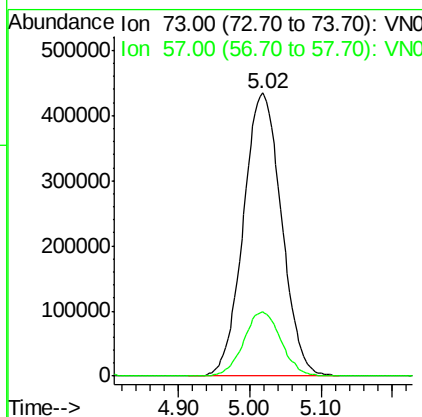
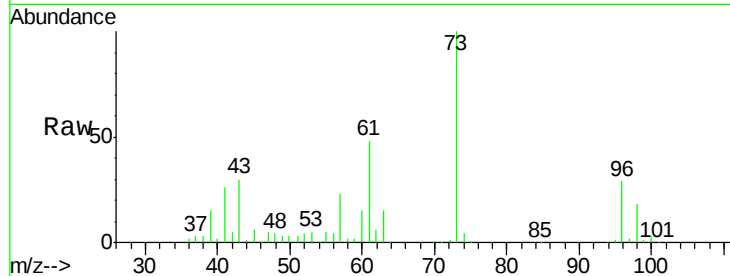
#19
Methvl tert-butvl Ether
Concen: 157.227 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 161582
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5

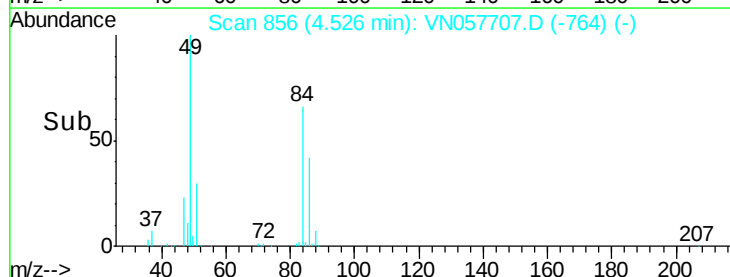
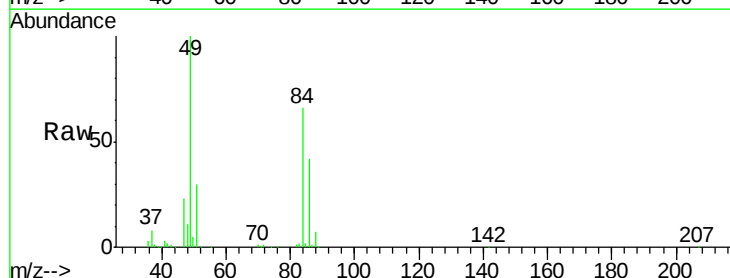
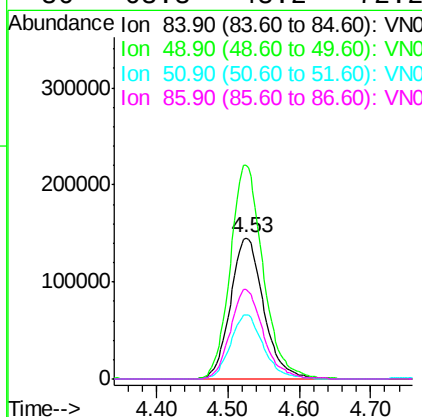
Manual Integrations
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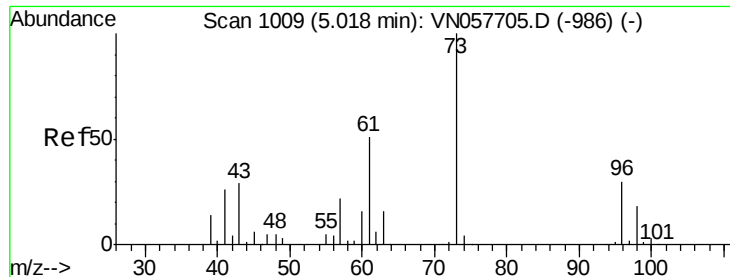
MMDadoda
9/9/2019 1:10:41 PM



#20
Methylene Chloride
Concen: 149.244 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion: 84 Resp: 470602
Ion Ratio Lower Upper
84 100
49 151.4 115.0 172.6
51 45.6 33.8 50.8
86 63.3 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 153.341 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 407728

Ion Ratio Lower Upper

96 100

61 166.7 135.8 203.8

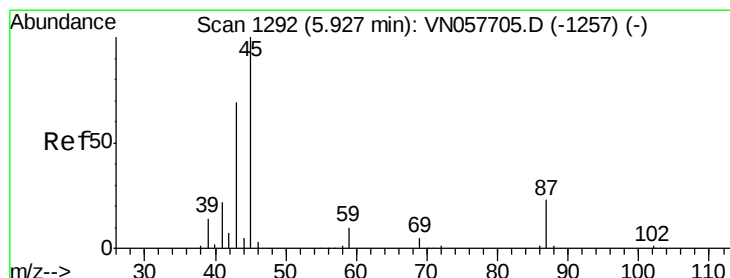
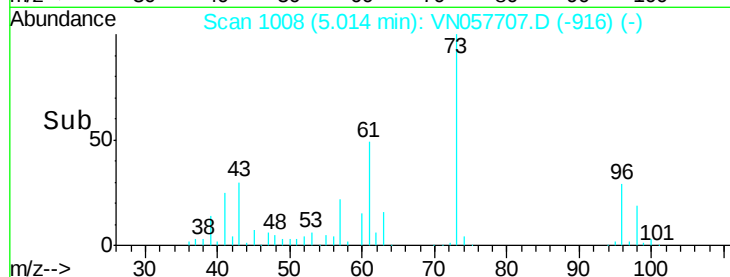
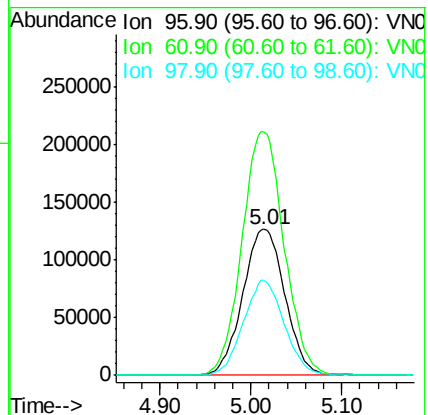
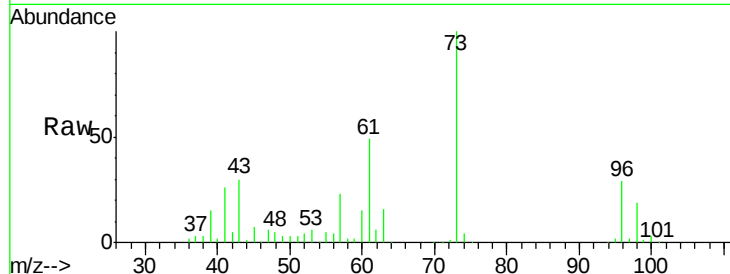
98 65.1 49.0 73.6

Manual Integrations

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9/9/2019 1:10:41 PM



#22

Diisopropyl ether

Concen: 156.800 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Tgt Ion: 45 Resp: 1878161

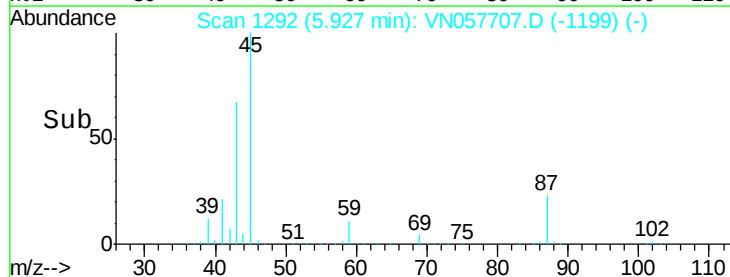
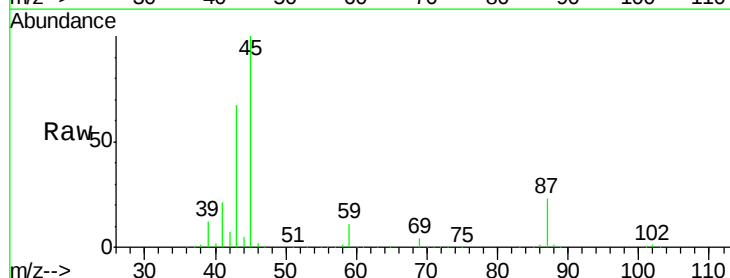
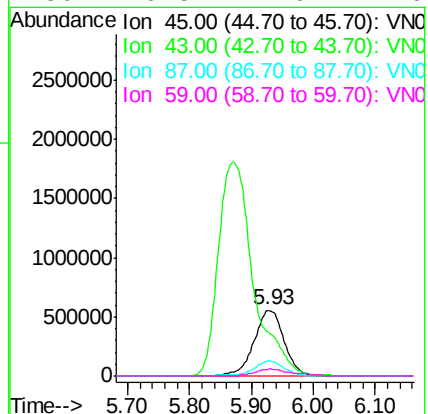
Ion Ratio Lower Upper

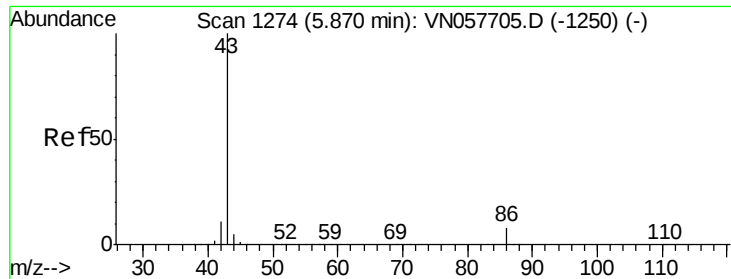
45 100

43 66.2 55.5 83.3

87 22.6 18.6 28.0

59 10.5 7.9 11.9





#23

Vinyl Acetate

Concen: 789.355 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 711525

Ion Ratio Lower Upper

43 100

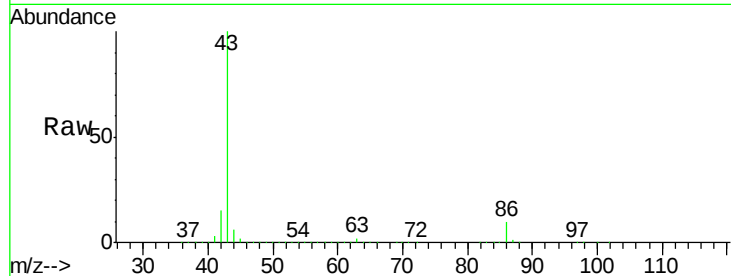
86 10.1 6.2 9.4#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

2000000

1500000

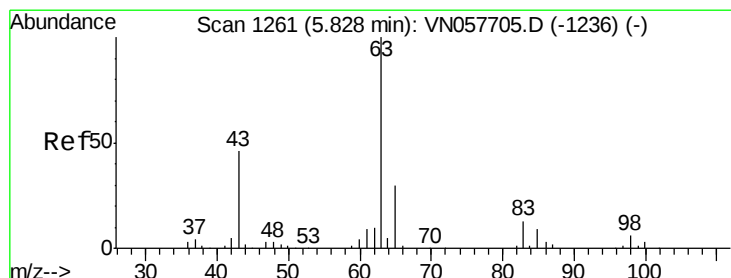
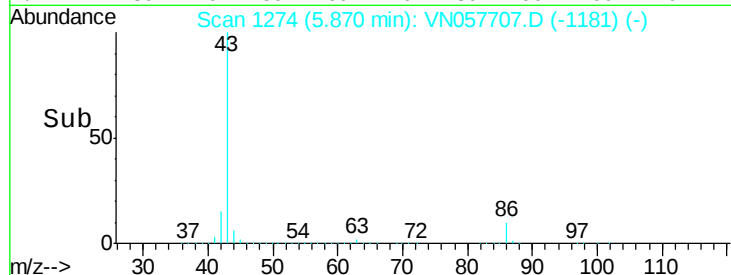
1000000

500000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 154.682 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

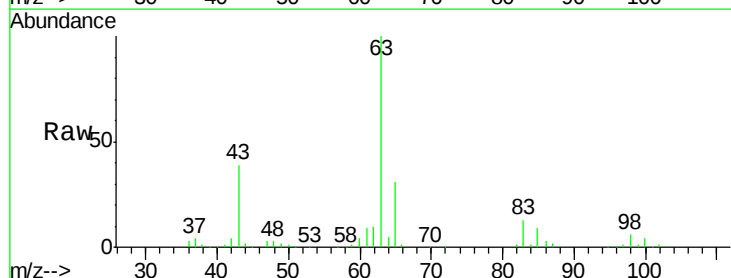
Tgt Ion: 63 Resp: 937073

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

100 3.6 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

5.82

400000

300000

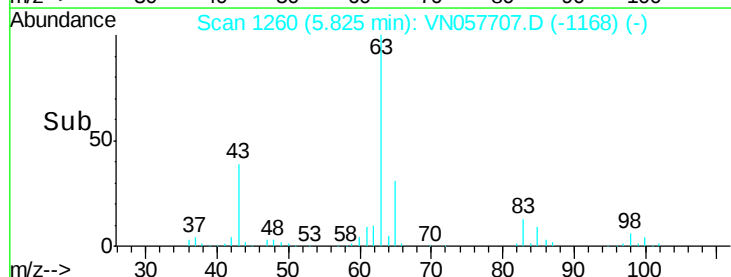
200000

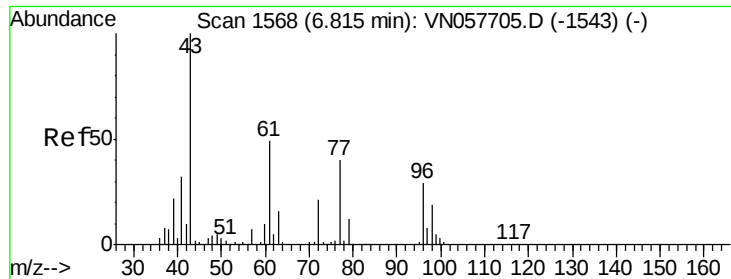
100000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 780.339 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1682733

Ion Ratio Lower Upper

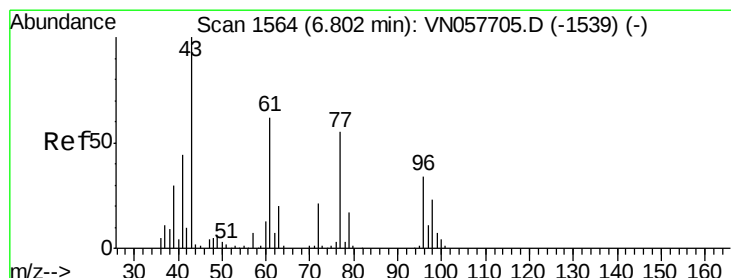
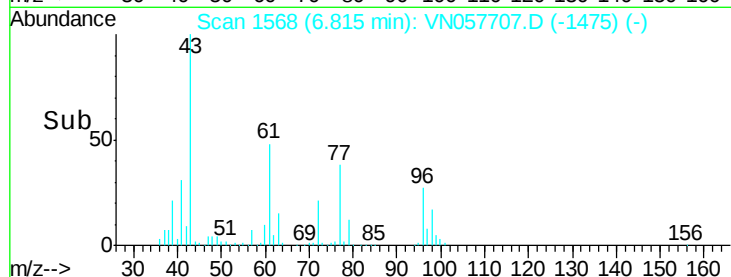
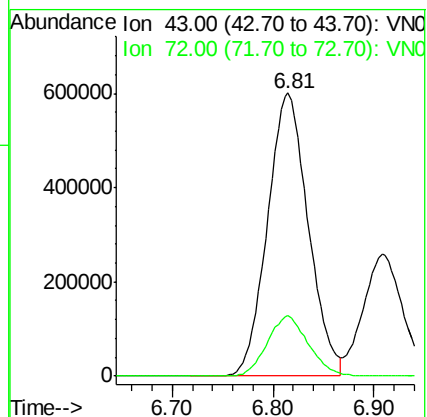
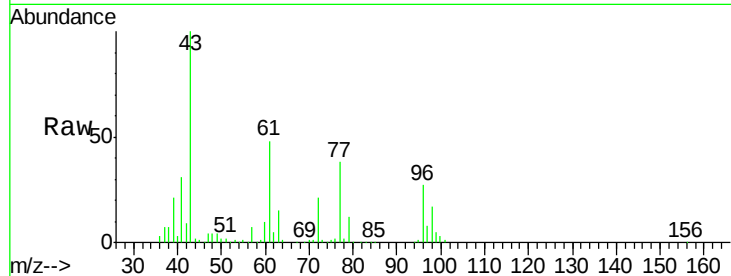
43 100

72 21.5 17.0 25.6

Manual Integrations
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MMDadoda

9/9/2019 1:10:41 PM



#26

2,2-Dichloropropane

Concen: 154.933 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN057707.D

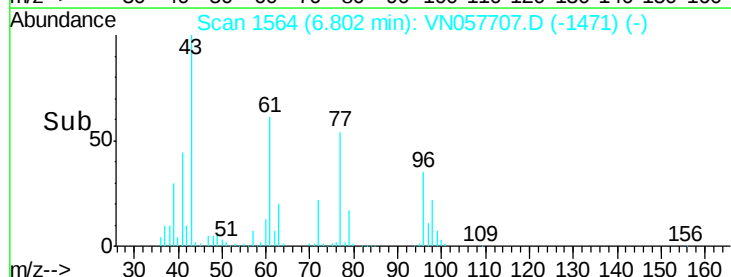
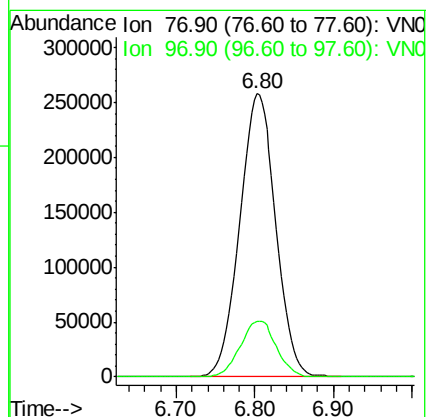
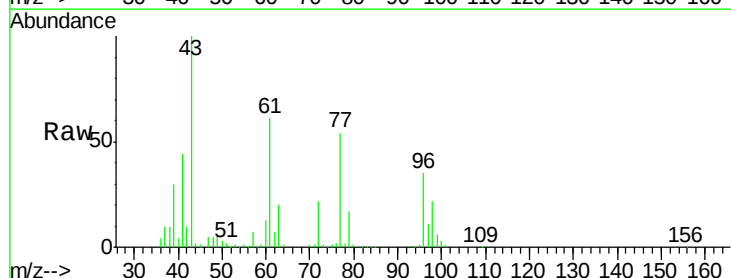
Acq: 5 Sep 2019 19:39

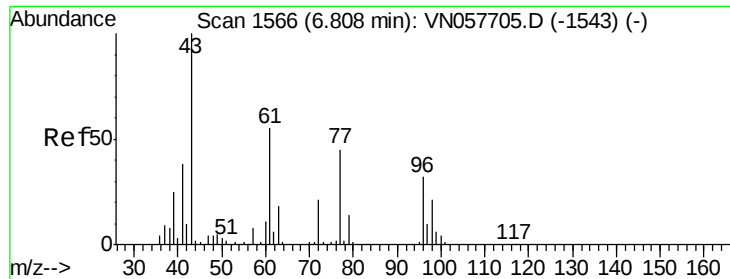
Tgt Ion: 77 Resp: 827327

Ion Ratio Lower Upper

77 100

97 19.8 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 156.891 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

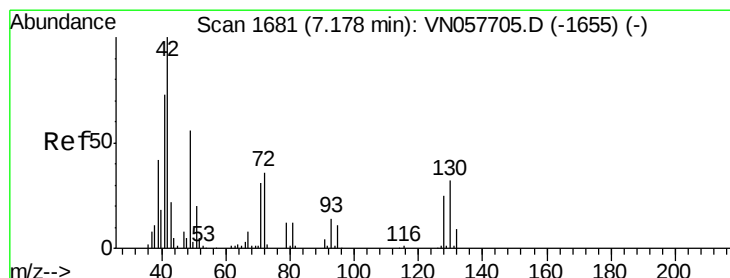
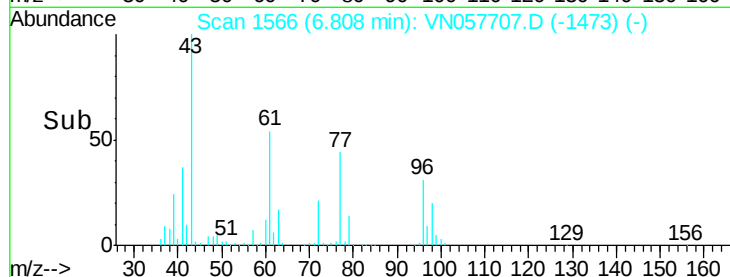
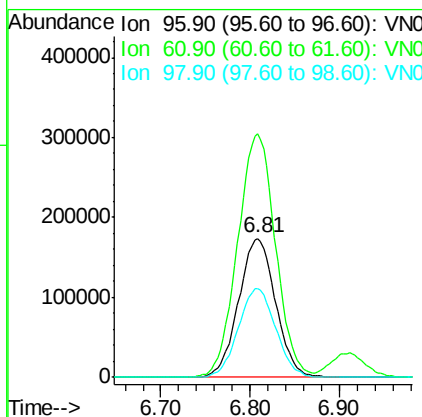
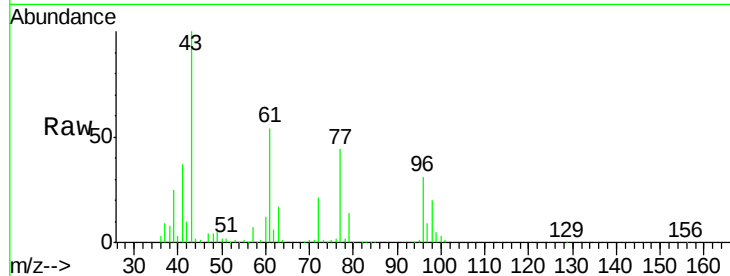
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	501879
Ion	Ratio	Lower	Upper
96	100		
61	178.6	0.0	360.6
98	64.7	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 155.093 ug/l

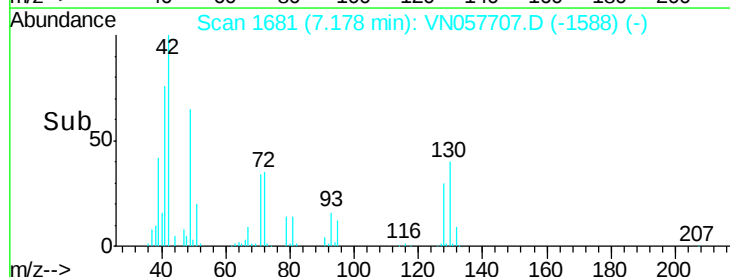
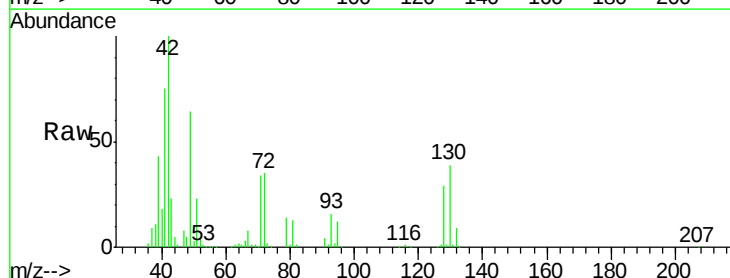
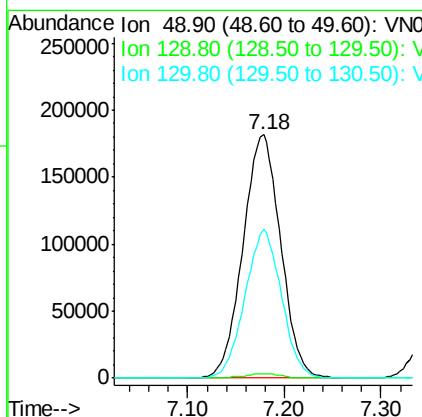
RT: 7.18 min Scan# 1681

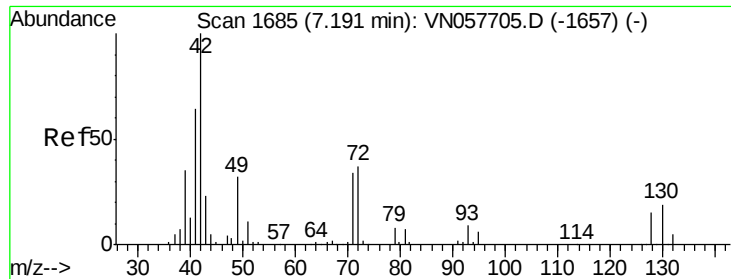
Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Tgt Ion:	49	Resp:	492653
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.4
130	59.0	45.8	68.8





#29

Tetrahydrofuran

Concen: 805.042 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 42 Resp: 1058246

Ion Ratio Lower Upper

42 100

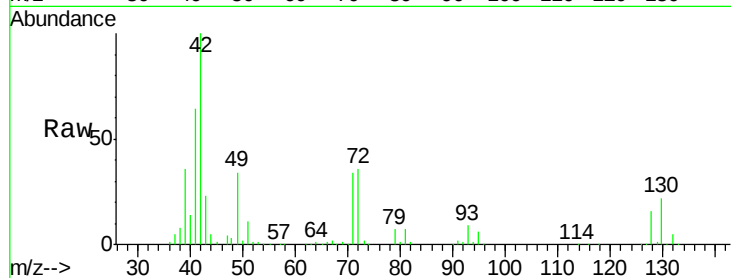
72 36.3 29.2 43.8

71 34.0 27.0 40.4

Manual Integrations
APPROVED

MMDadoda

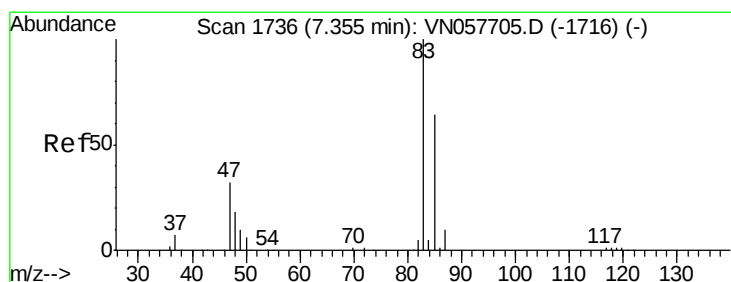
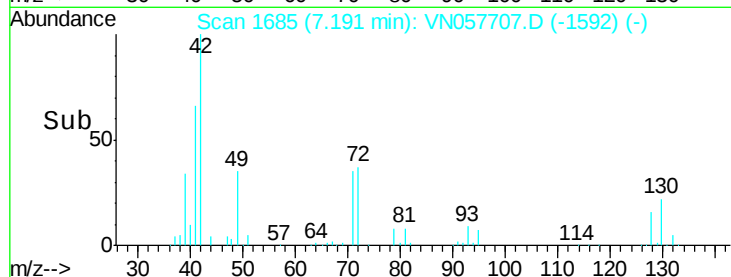
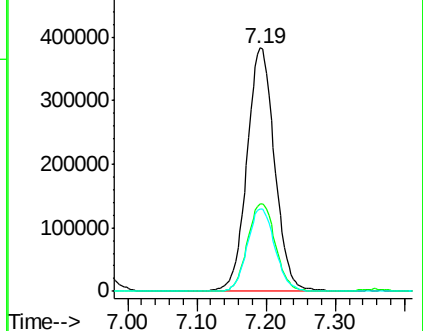
9/9/2019 1:10:41 PM



Abundance Ion 42.00 (41.70 to 42.70): VN057707.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN057707.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN057707.D (-1657) (-)



#30

Chloroform

Concen: 152.838 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057707.D

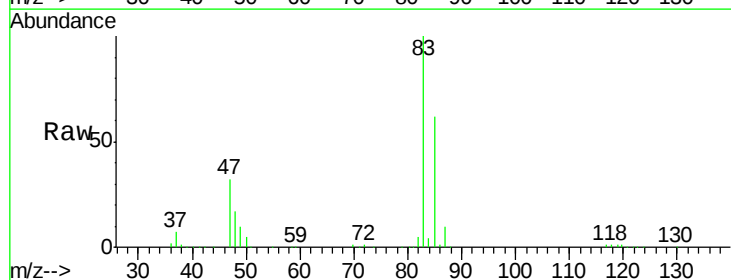
Acq: 5 Sep 2019 19:39

Tgt Ion: 83 Resp: 983434

Ion Ratio Lower Upper

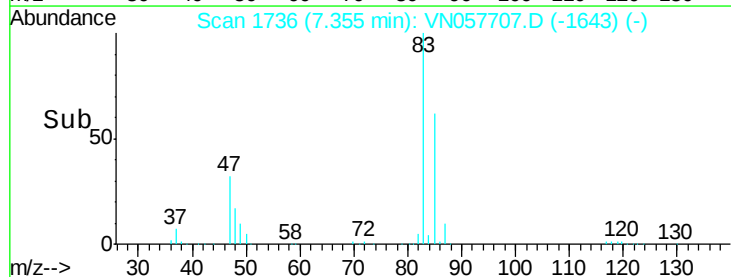
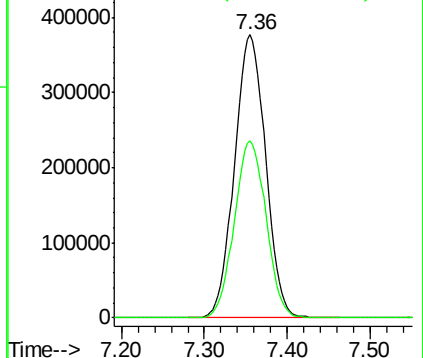
83 100

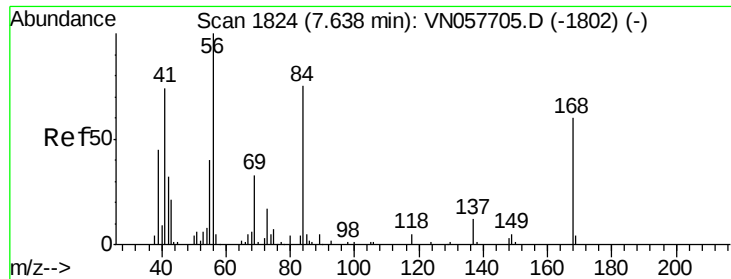
85 62.4 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN057707.D (-1643) (-)

Ion 84.90 (84.60 to 85.60): VN057707.D (-1643) (-)





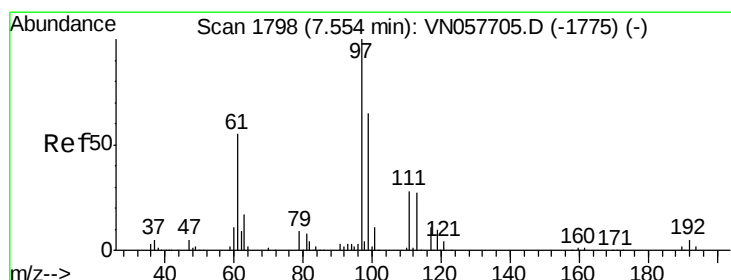
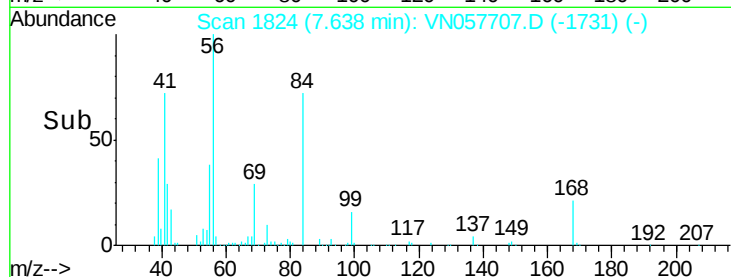
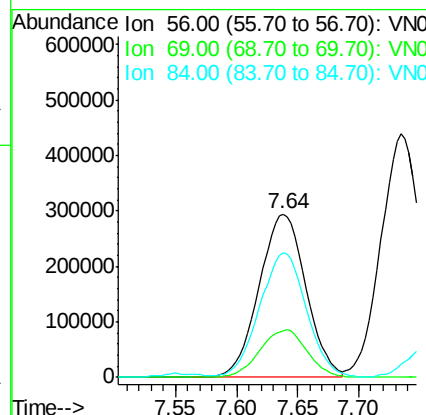
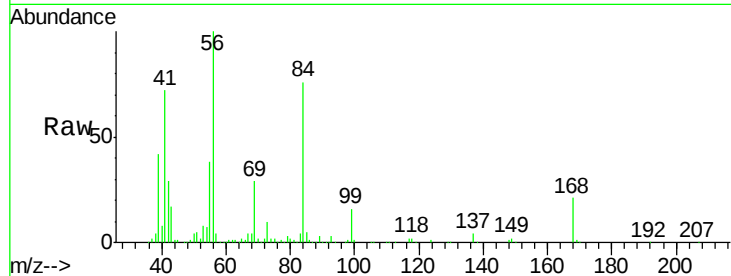
#31
Cvclohexane
Concen: 147.213 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	26.2	39.2
84	74.4	59.8	89.8

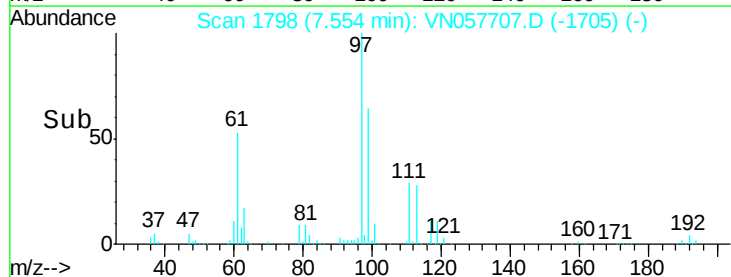
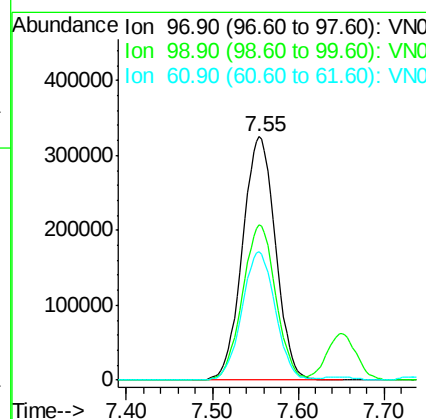
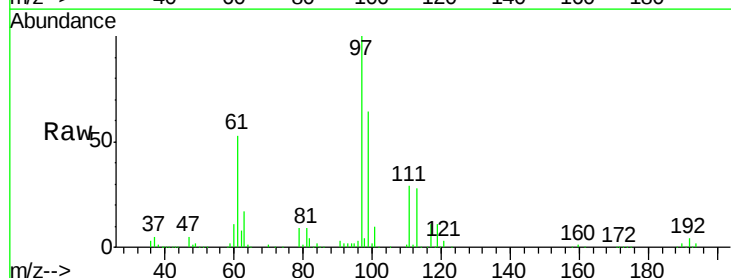
Manual Integrations
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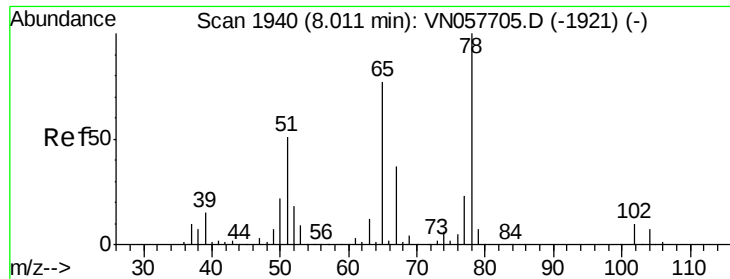
MMDadoda
9/9/2019 1:10:41 PM



#32
1,1,1-Trichloroethane
Concen: 162.381 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

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





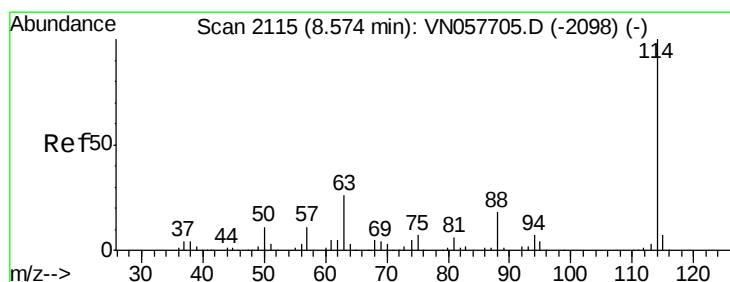
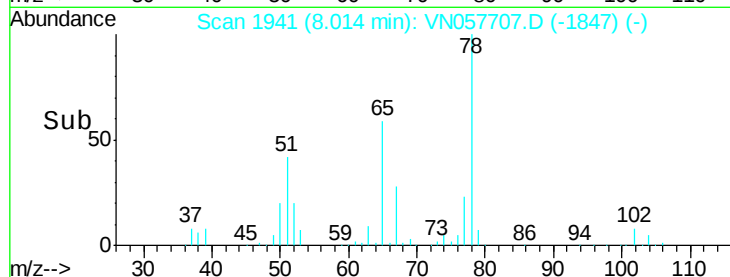
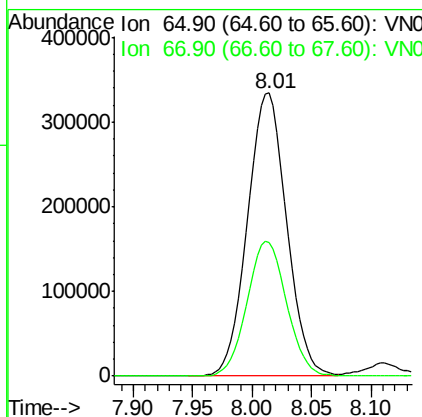
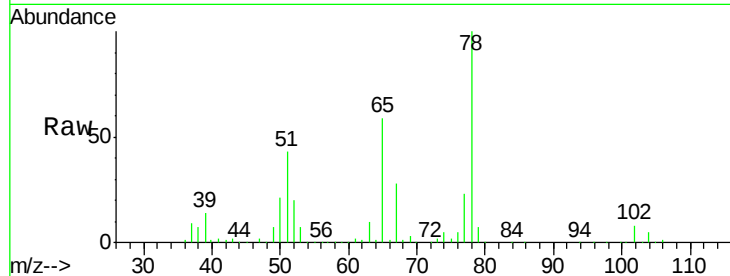
#33
 1,2-Dichloroethane-d4
 Concen: 161.645 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

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

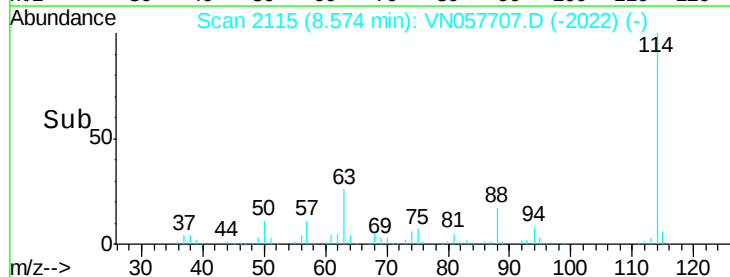
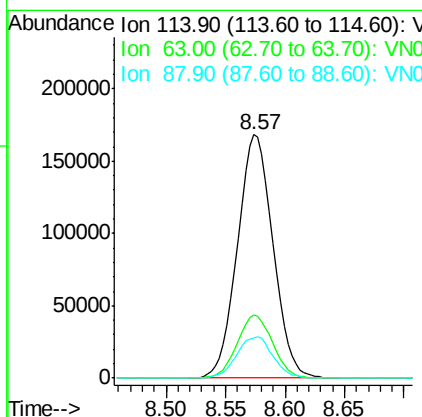
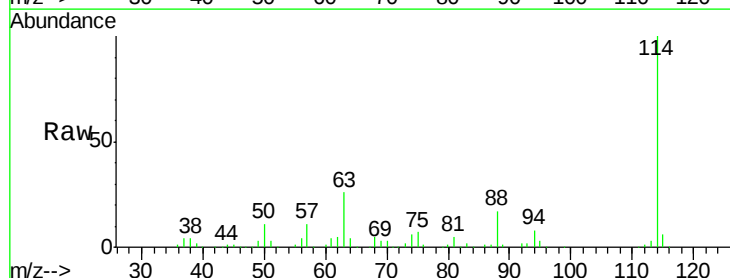
Manual Integrations
 APPROVED

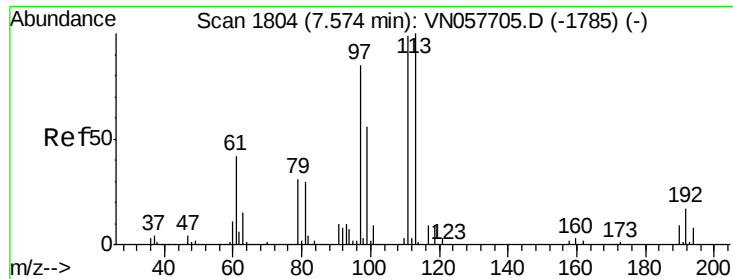
MMDadoda
 9/9/2019 1:10:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	25.8	0.0	52.4	
88	16.7	0.0	35.4	





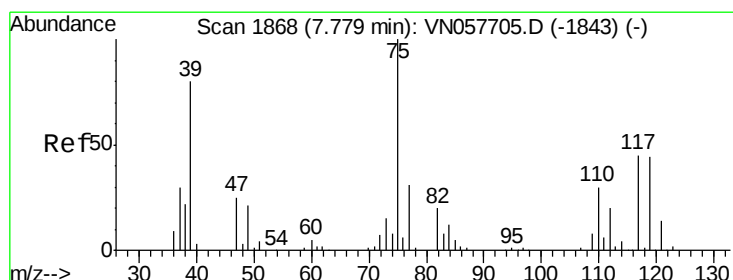
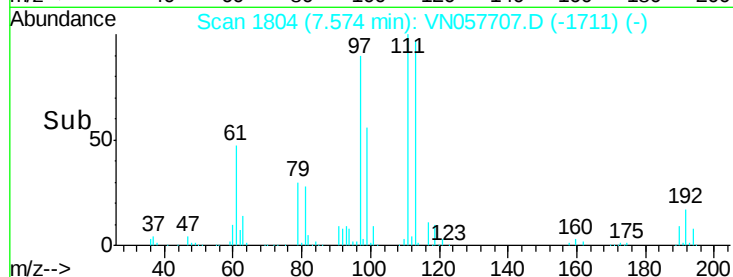
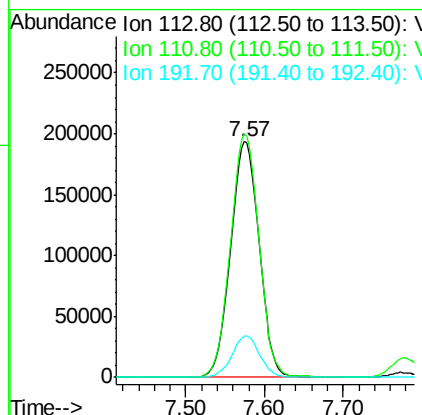
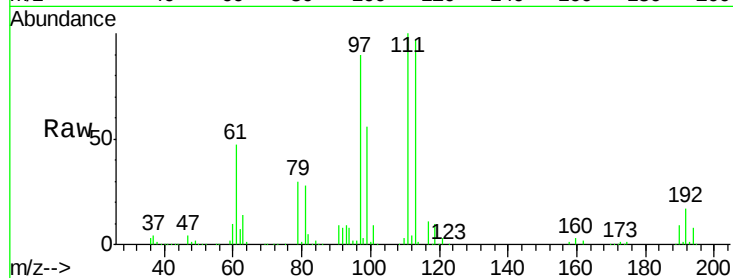
#35
 Dibromofluoromethane
 Concen: 154.269 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	17.3	13.8	20.6

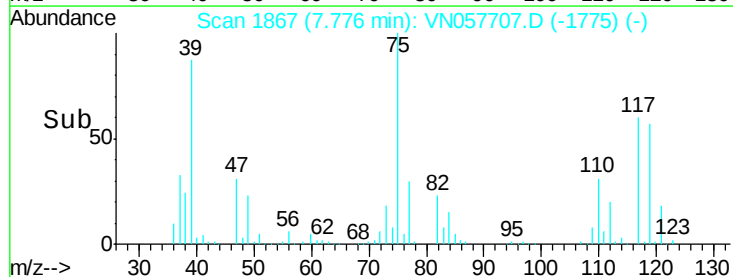
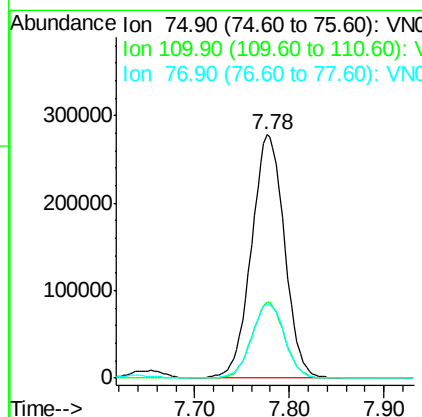
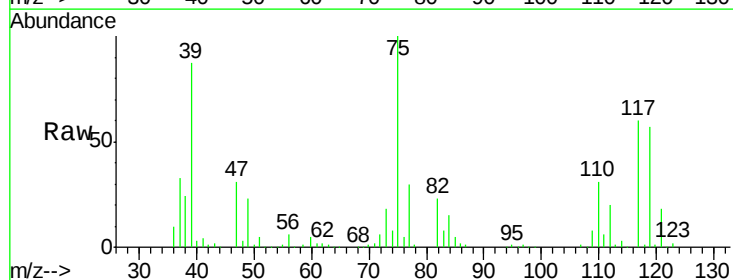
Manual Integrations
 APPROVED

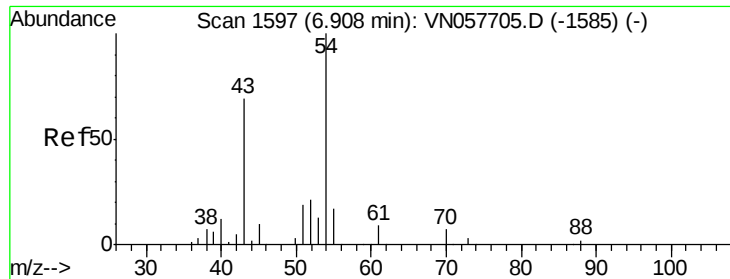
MMDadoda
 9/9/2019 1:10:41 PM



#36
 1,1-Dichloropropene
 Concen: 153.628 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.8	15.0	45.0
77	30.9	24.6	37.0





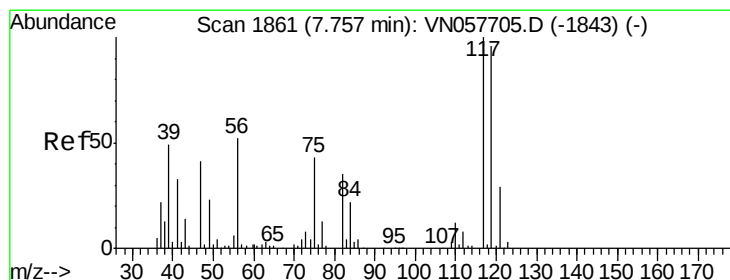
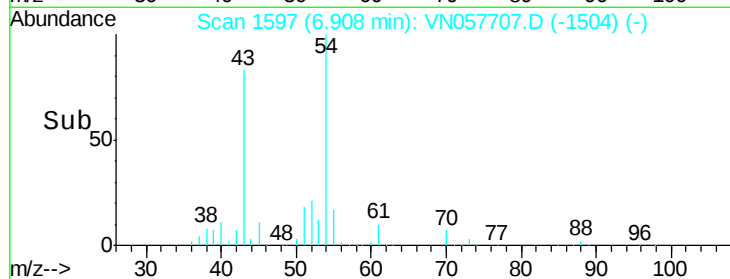
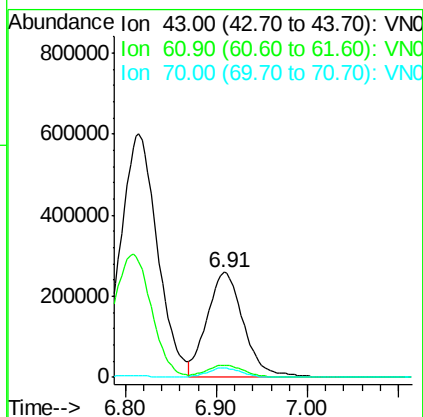
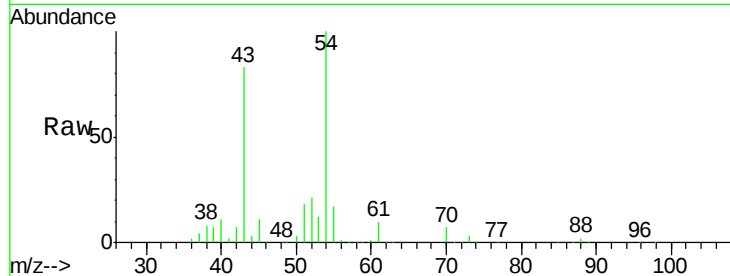
#37
Ethyl Acetate
Concen: 160.713 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.8	14.8
70	8.5	6.7	10.1

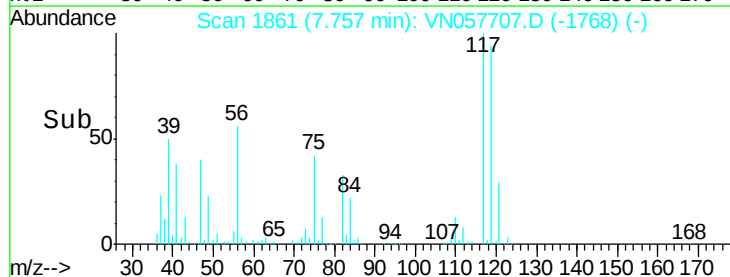
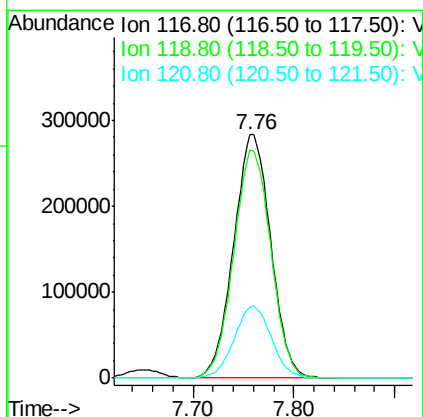
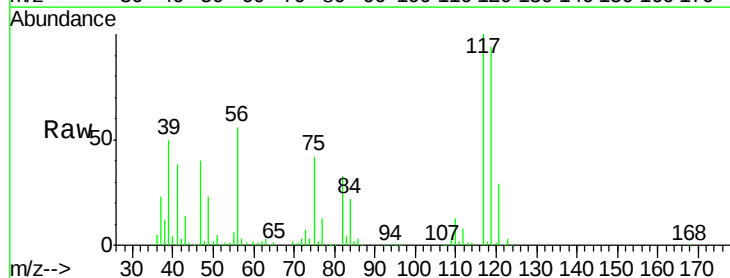
Manual Integrations
APPROVED

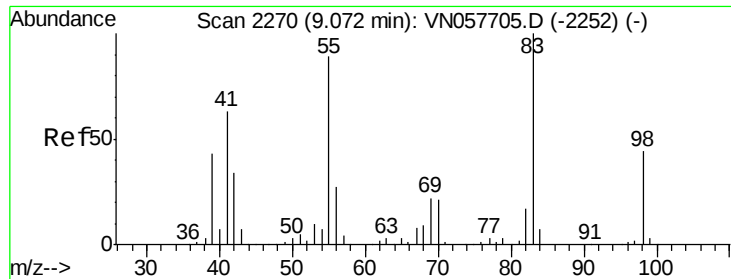
MMDadoda
9/9/2019 1:10:41 PM



#38
Carbon Tetrachloride
Concen: 161.792 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.1	114.1
121	29.1	23.4	35.2





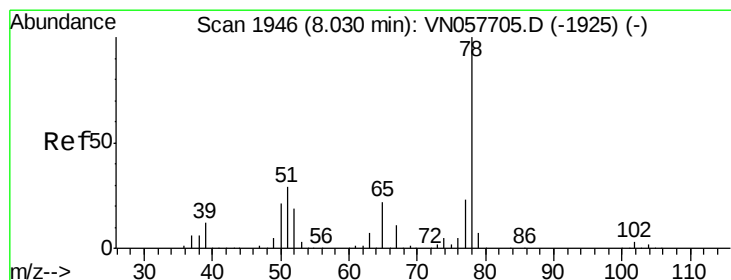
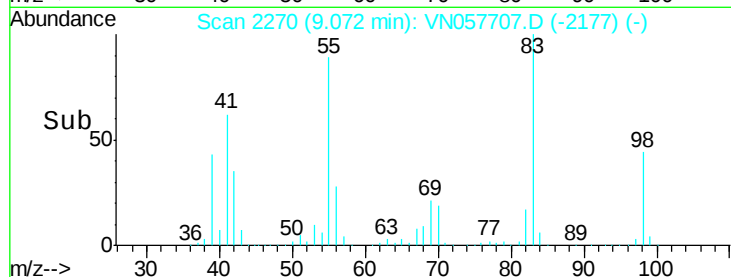
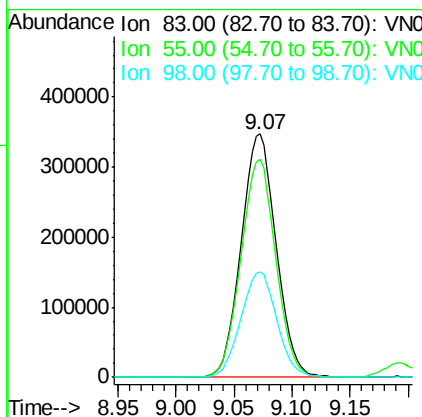
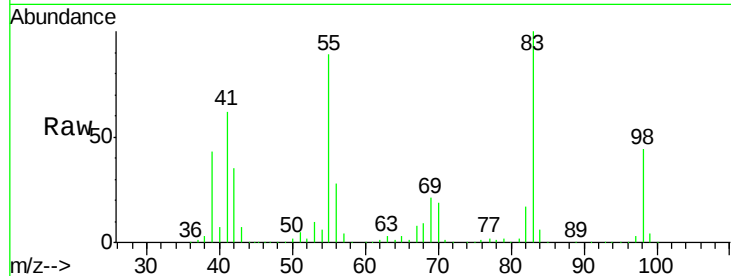
#39
Methvlcvclohexane
Concen: 150.580 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.5	71.4	107.0
98	43.5	35.3	52.9

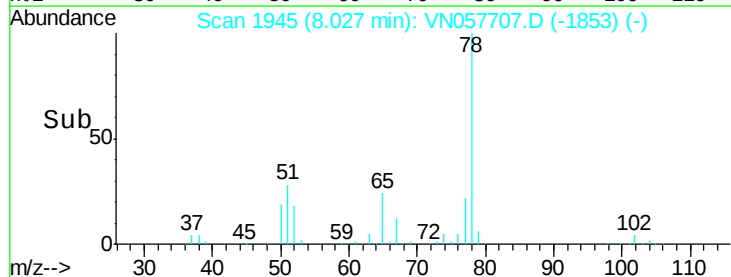
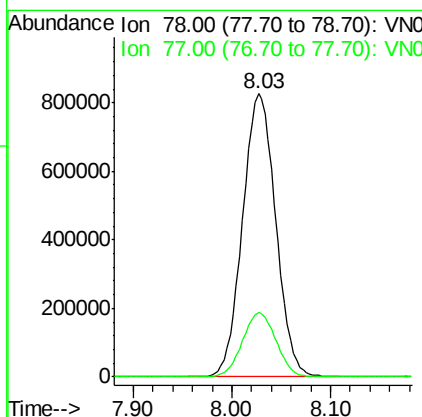
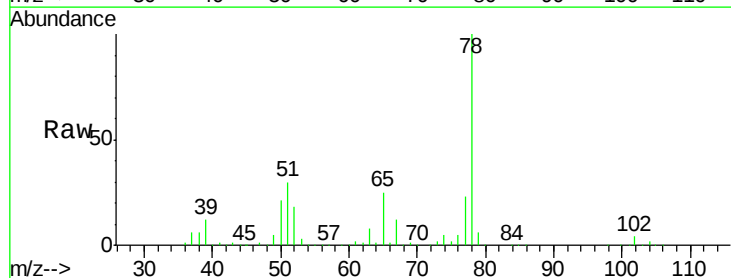
Manual Integrations
APPROVED

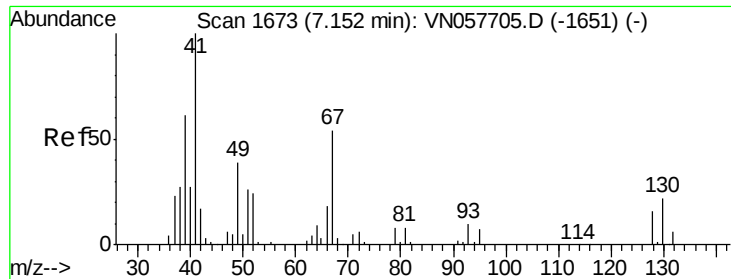
MMDadoda
9/9/2019 1:10:41 PM



#40
Benzene
Concen: 150.923 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	28.0





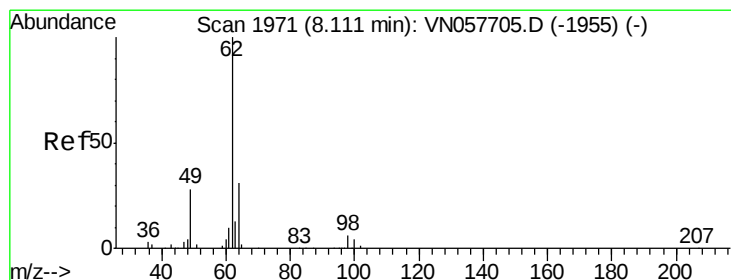
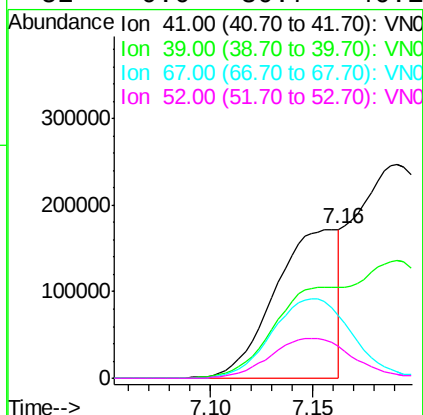
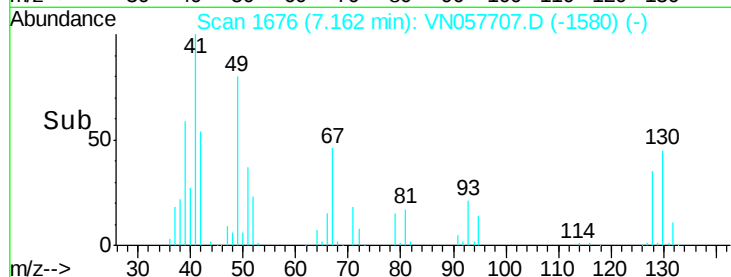
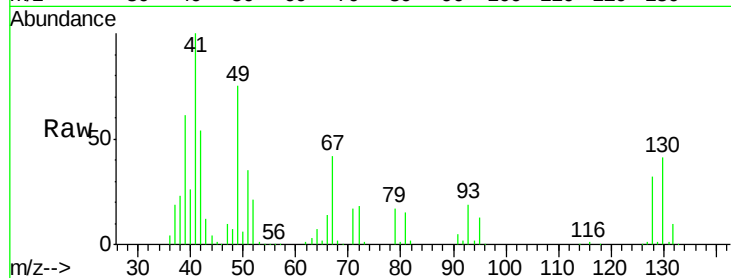
#41
Methacrylonitrile
Concen: 198.820 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	168.3	43.6	65.4#
67	0.0	59.8	89.6#
52	0.0	30.7	46.1#

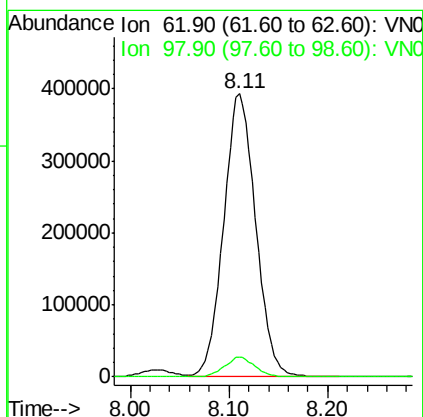
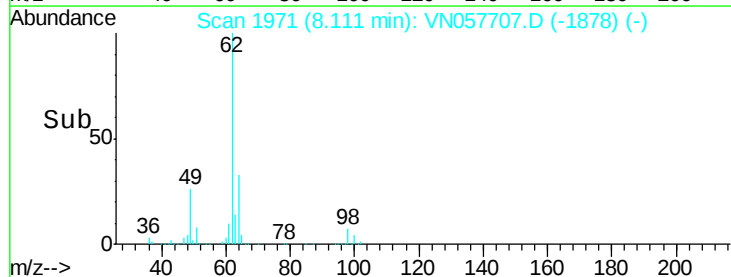
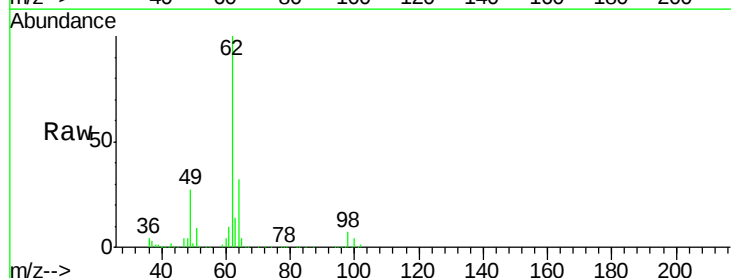
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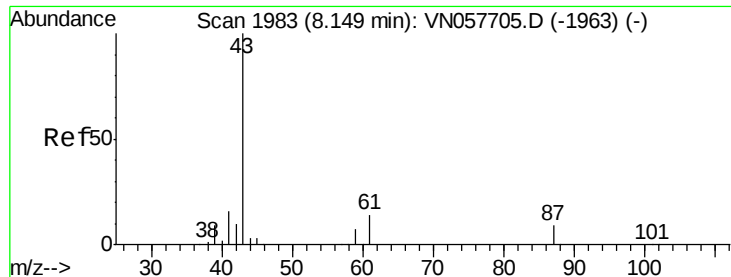
MMDadoda
9/9/2019 1:10:41 PM



#42
1,2-Dichloroethane
Concen: 152.258 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	12.6





#43

Isopropyl Acetate

Concen: 166.921 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1366726

Ion Ratio Lower Upper

43 100

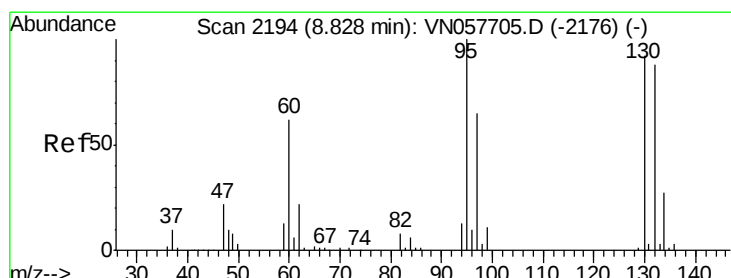
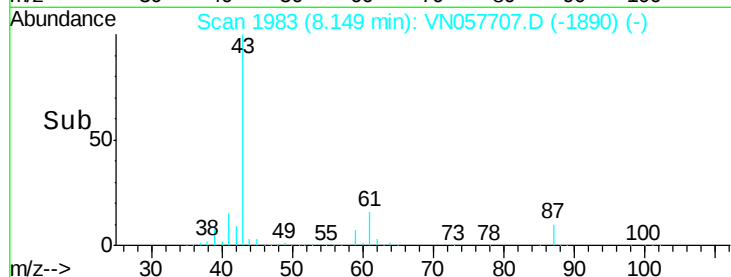
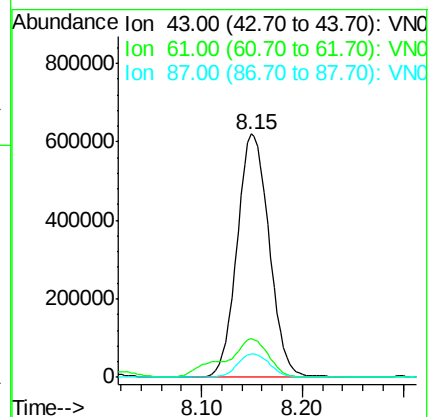
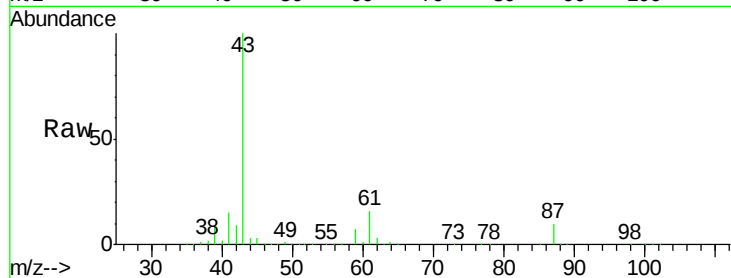
61 15.4 12.8 19.2

87 9.8 7.8 11.8

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MMDadoda

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#44

Trichloroethene

Concen: 148.778 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057707.D

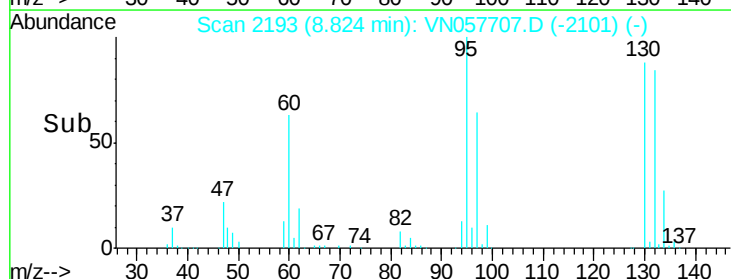
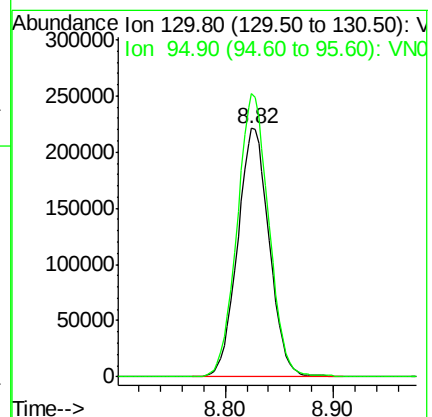
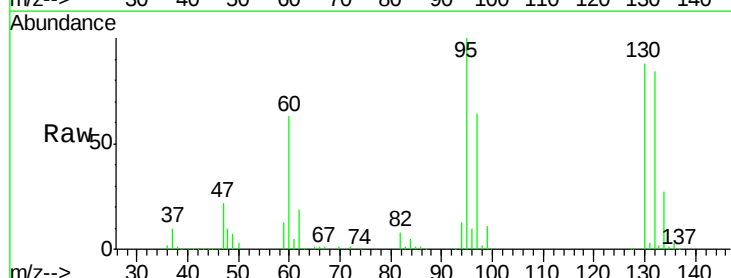
Acq: 5 Sep 2019 19:39

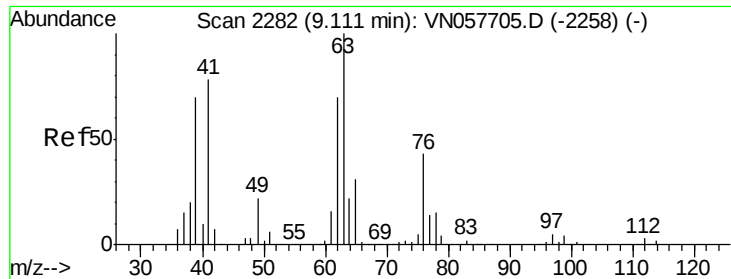
Tgt Ion:130 Resp: 452696

Ion Ratio Lower Upper

130 100

95 114.0 0.0 217.8





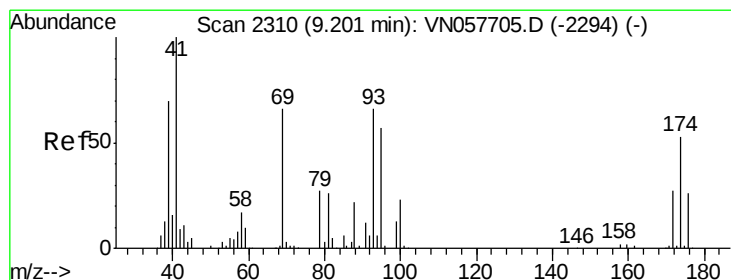
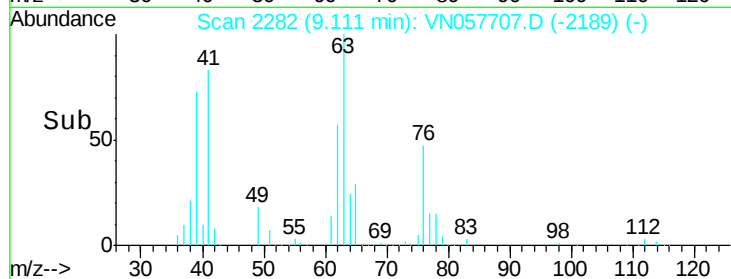
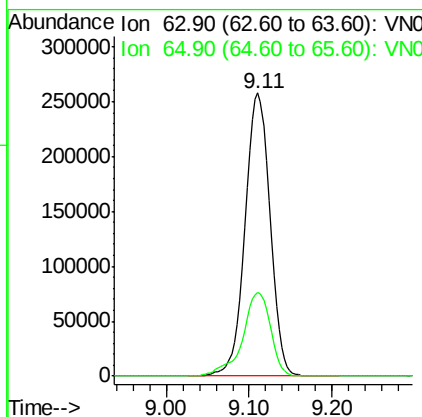
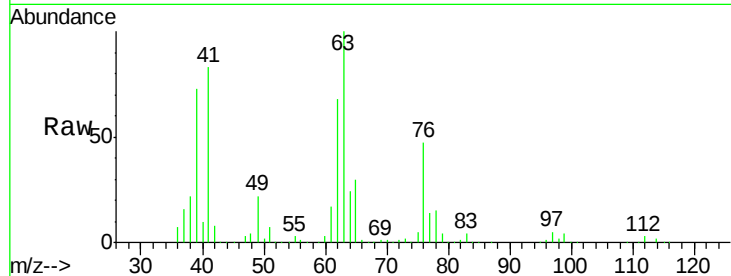
#45
 1,2-Dichloropropane
 Concen: 152.040 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 539847
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.5 36.7

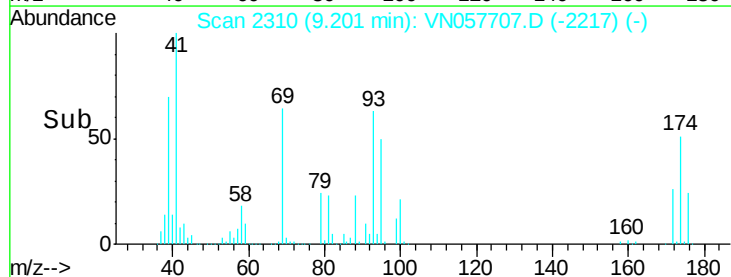
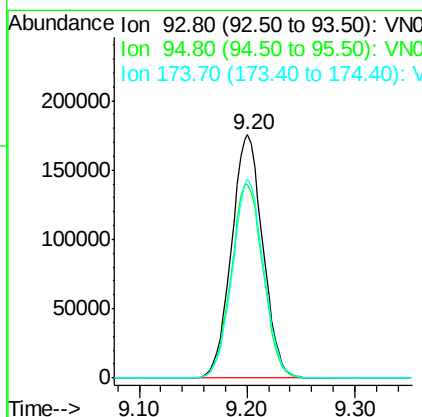
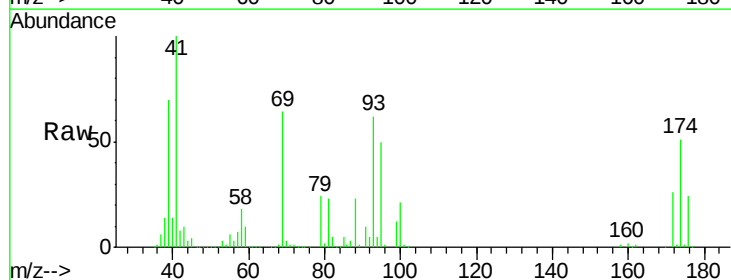
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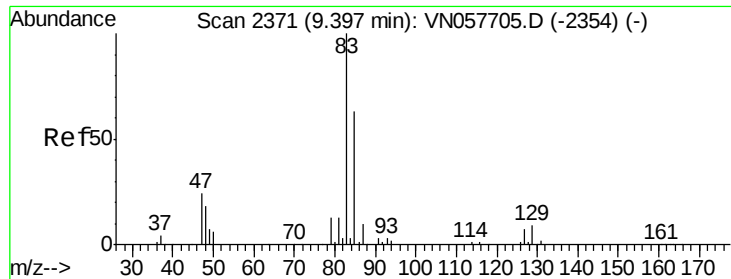
MMDadoda
 9/9/2019 1:10:41 PM



#46
 Dibromomethane
 Concen: 153.471 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Tgt Ion: 93 Resp: 354931
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.1 99.1
 174 81.9 63.4 95.2





#47

Bromodichloromethane

Concen: 169.717 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

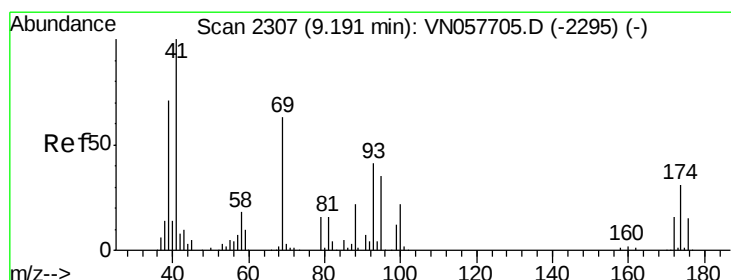
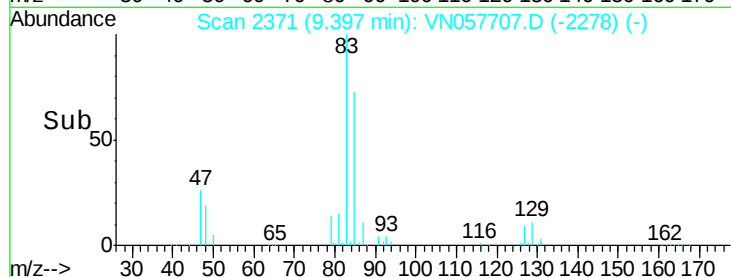
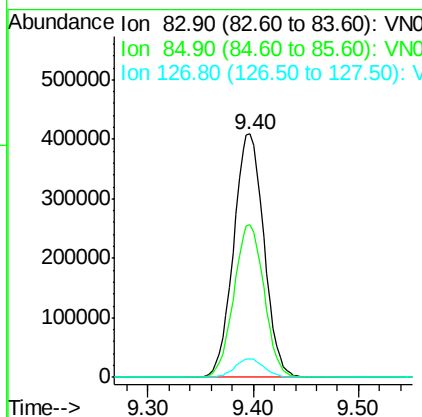
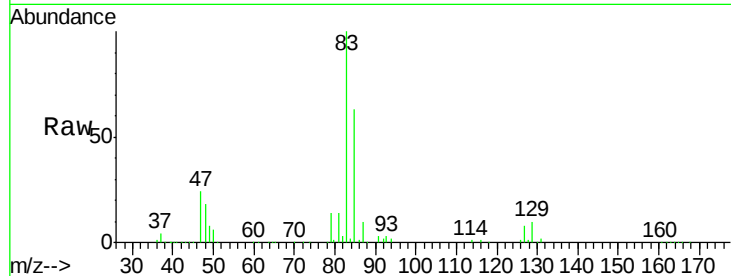
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	812031
Ion Ratio	Lower	Upper	
83	100		
85	62.6	50.7	76.1
127	7.8	5.6	8.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 173.066 ug/l

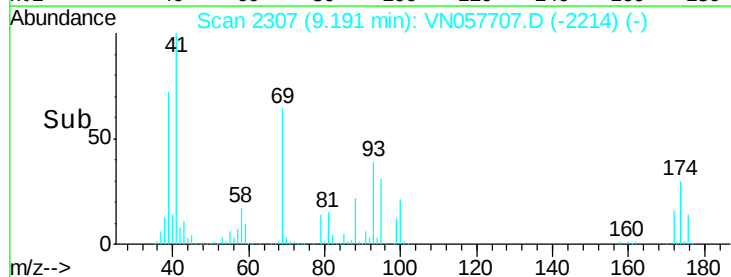
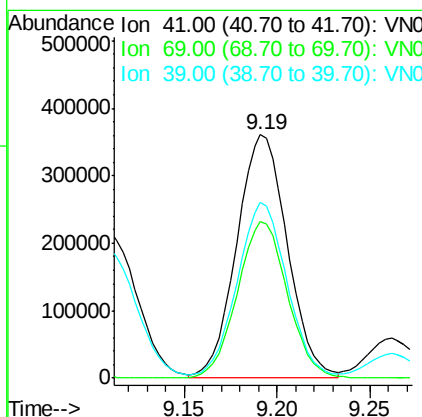
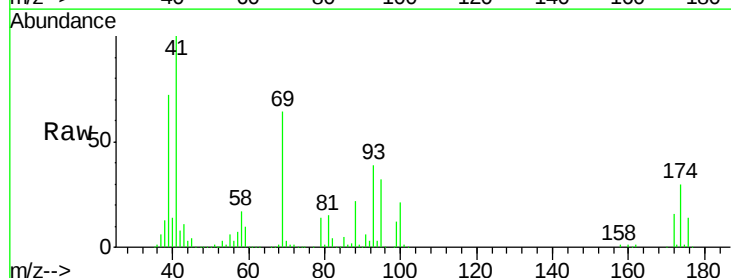
RT: 9.19 min Scan# 2307

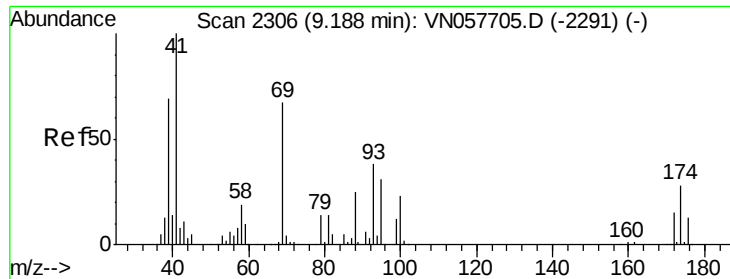
Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Tgt Ion:	41	Resp:	684145
Ion Ratio	Lower	Upper	
41	100		
69	63.8	51.2	76.8
39	71.4	57.3	85.9





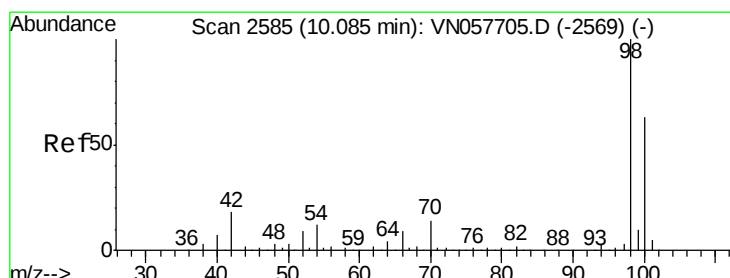
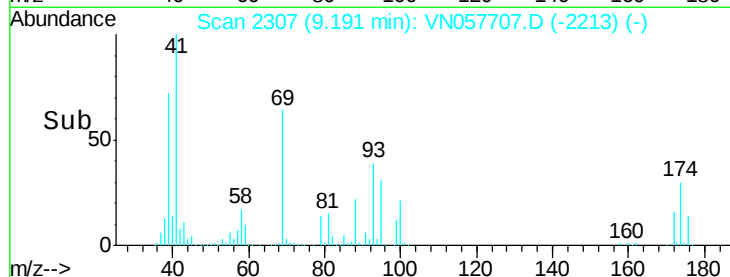
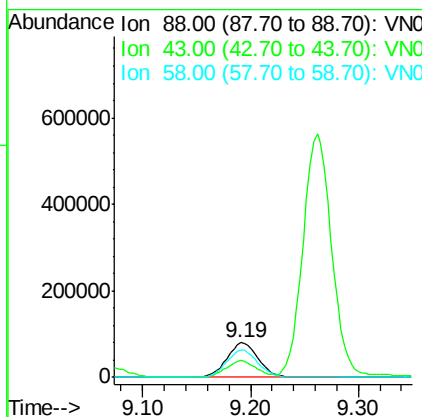
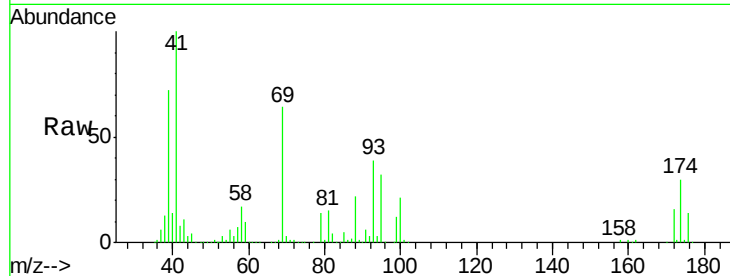
#49
1,4-Dioxane
Concen: 2889.561 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	161732		
43	46.8	35.4	53.2	
58	78.8	61.5	92.3	

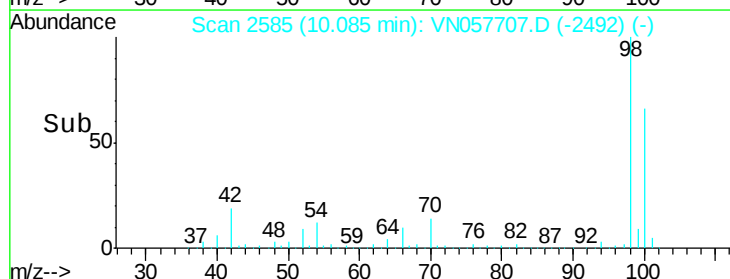
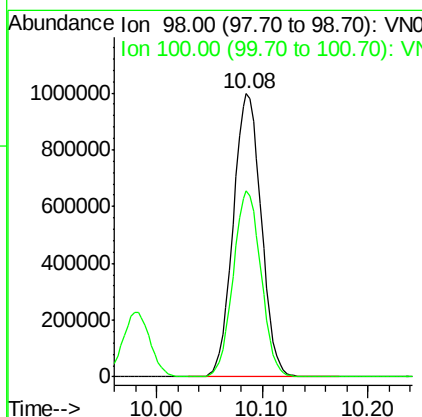
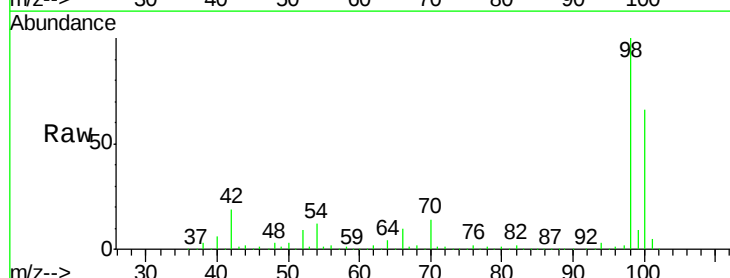
Manual Integrations
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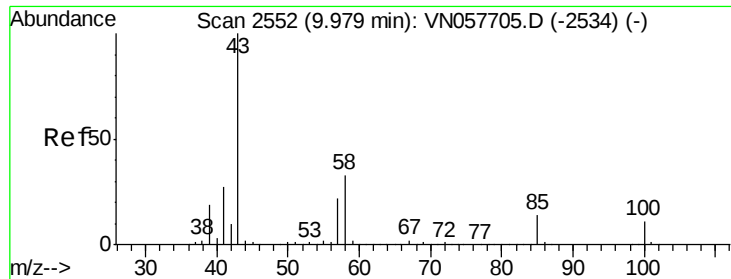
MMDadoda
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#50
Toluene-d8
Concen: 156.121 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1832172		
100	65.1	50.7	76.1	





#51

4-Methyl-2-Pentanone

Concen: 755.942 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3415842

Ion Ratio Lower Upper

43 100

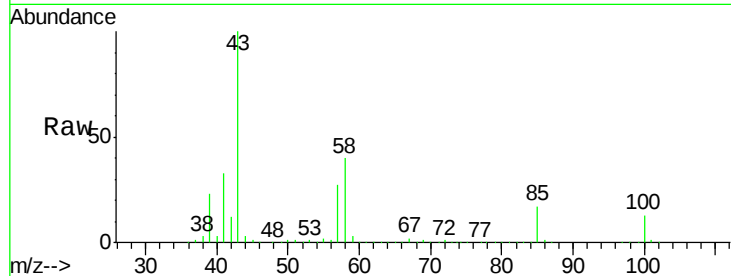
58 36.3 25.8 38.8

Manual Integrations

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9/9/2019 1:10:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VN057707.D (-2512) (-)

Ion 58.00 (57.70 to 58.70): VN057707.D (-2512) (-)

2000000

1500000

1000000

500000

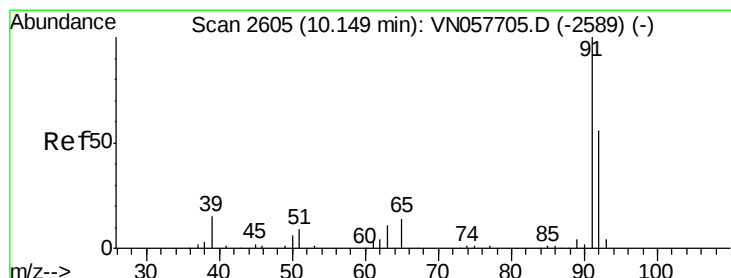
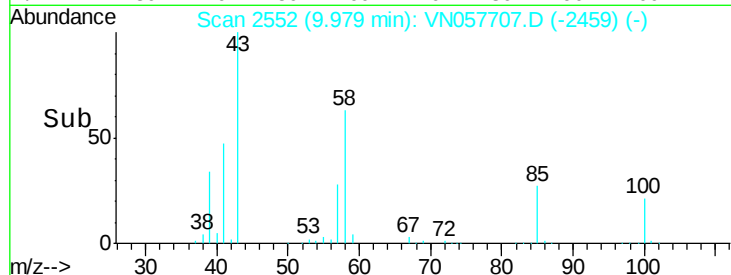
0

9.90

9.98

10.00

Time-->



#52

Toluene

Concen: 152.179 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057707.D

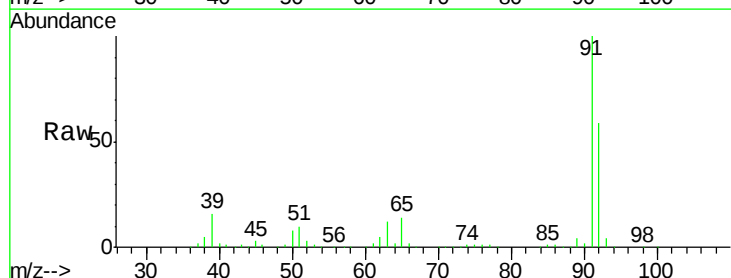
Acq: 5 Sep 2019 19:39

Tgt Ion: 92 Resp: 1198195

Ion Ratio Lower Upper

92 100

91 172.3 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN057707.D (-2512) (-)

Ion 91.00 (90.70 to 91.70): VN057707.D (-2512) (-)

1200000

1000000

800000

600000

400000

200000

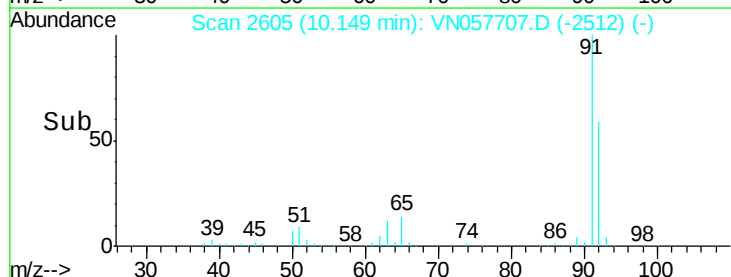
0

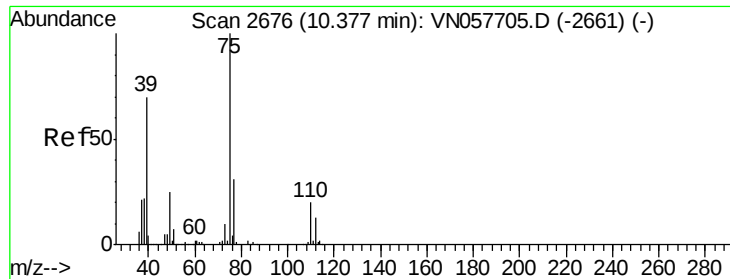
10.10

10.15

10.20

Time-->





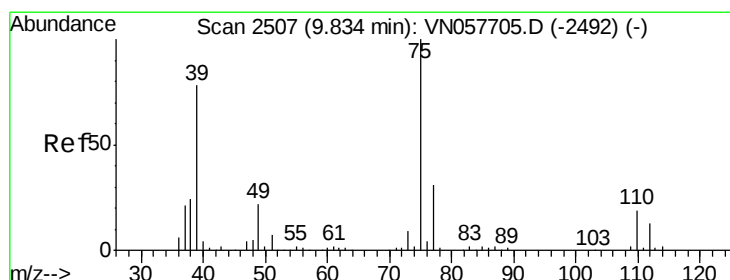
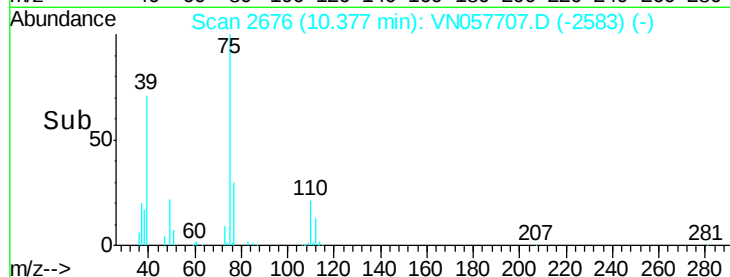
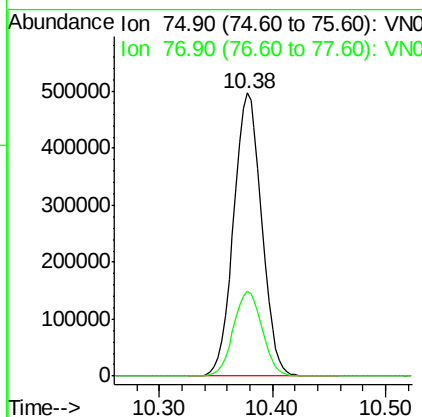
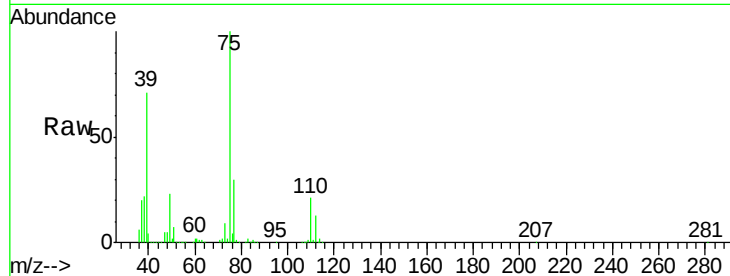
#53
t-1,3-Dichloropropene
Concen: 175.292 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 857562
Ion Ratio Lower Upper
75 100
77 29.8 25.1 37.7

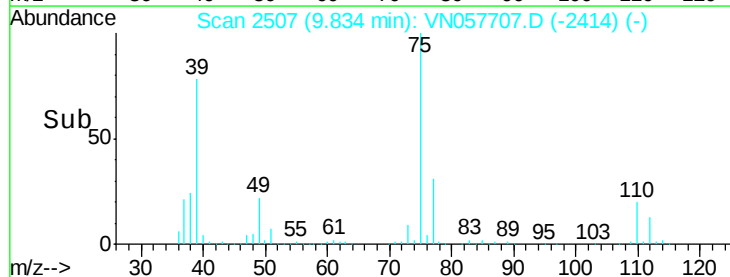
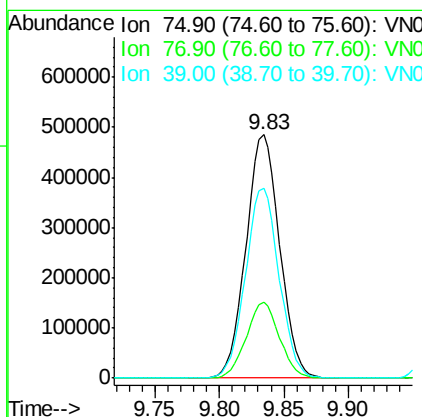
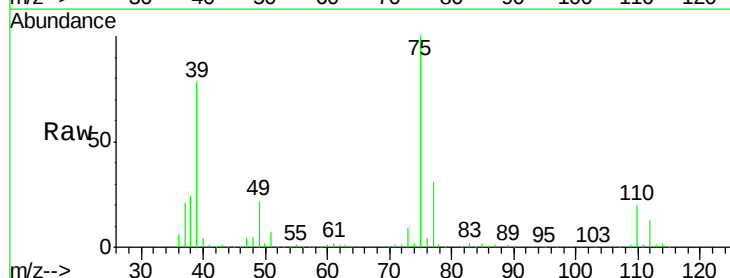
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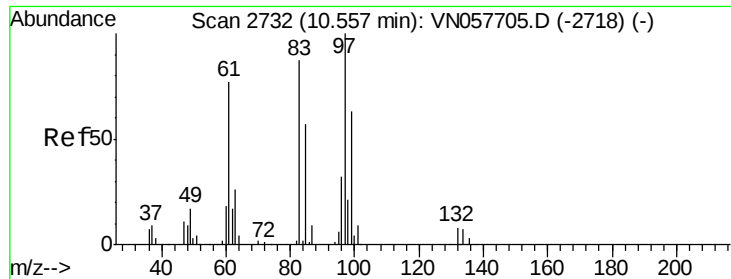
MMDadoda
9/9/2019 1:10:41 PM



#54
cis-1,3-Dichloropropene
Concen: 165.992 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion: 75 Resp: 885957
Ion Ratio Lower Upper
75 100
77 31.1 25.1 37.7
39 77.7 62.4 93.6





#55

1,1,2-Trichloroethane

Concen: 153.689 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

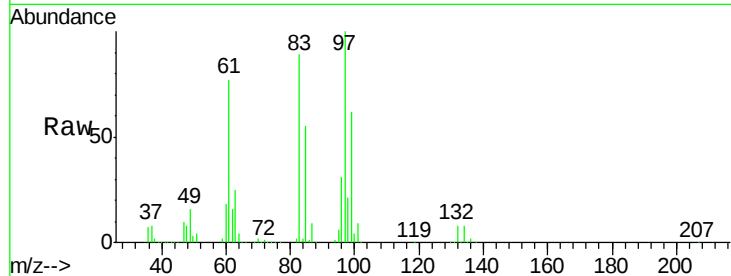
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	482084
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.5	104.3
85	55.3	45.7	68.5
99	62.2	50.2	75.4

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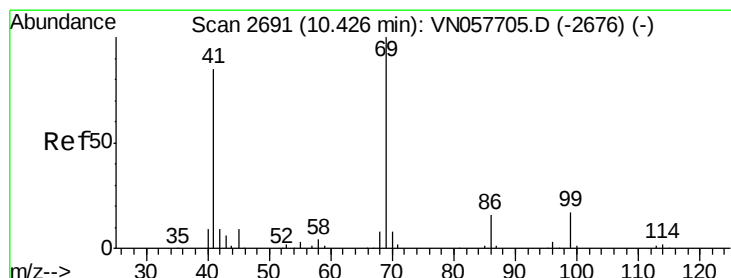
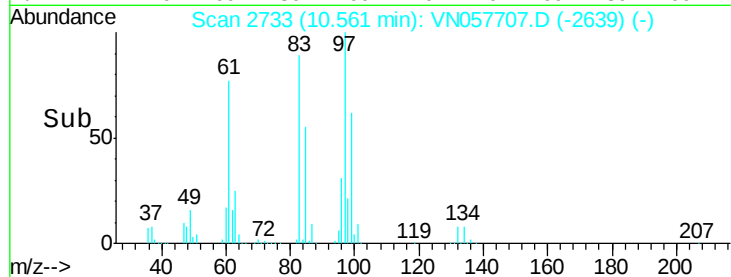
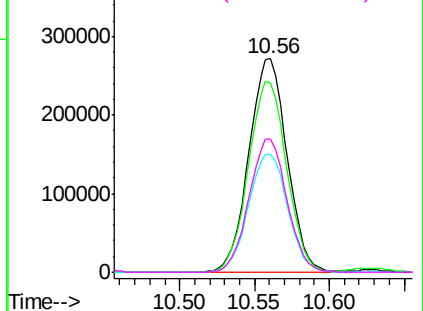
Abundance

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: 169.990 ug/l

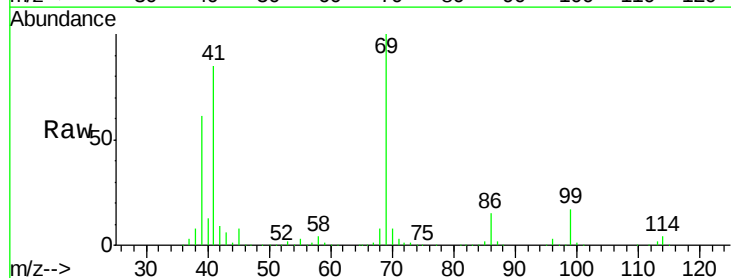
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Tgt Ion:	69	Resp:	819578
Ion	Ratio	Lower	Upper
69	100		
41	86.0	69.0	103.4
39	60.5	49.2	73.8

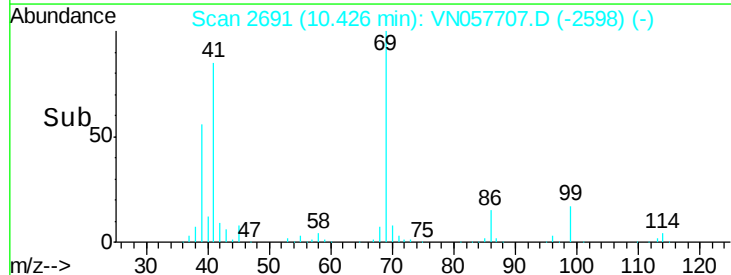
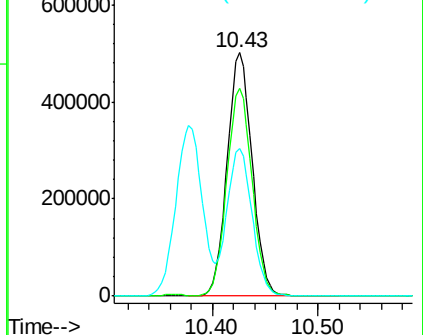


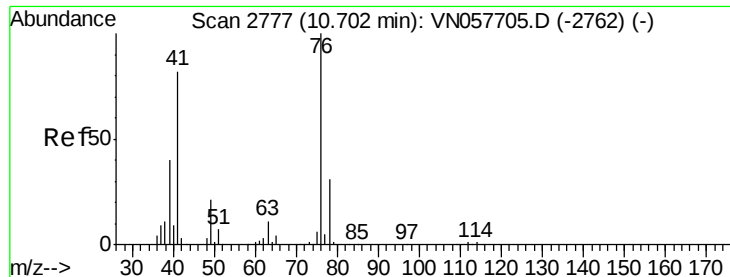
Abundance

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: 154.453 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 855031

Ion Ratio Lower Upper

76 100

78 31.2

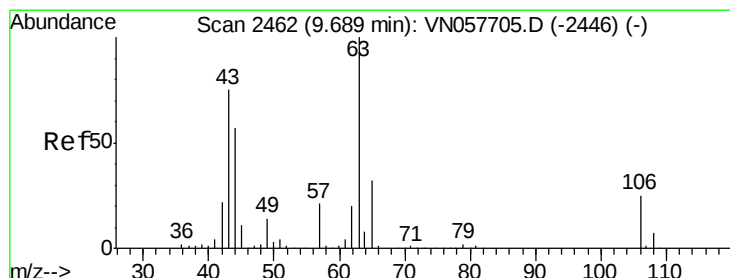
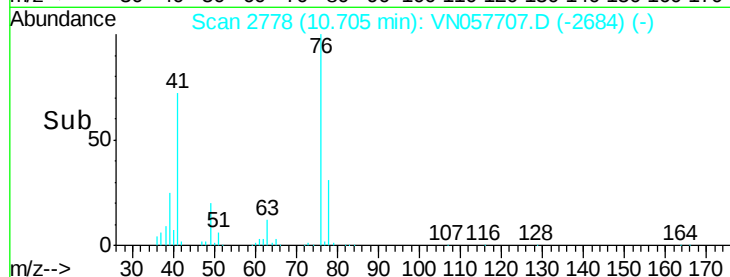
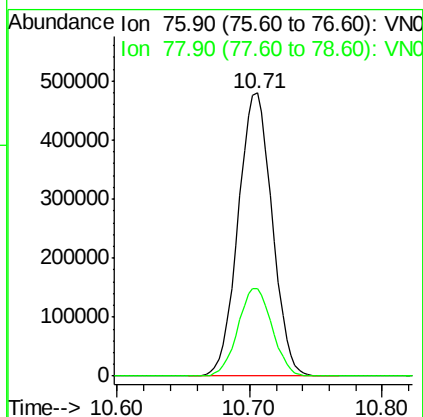
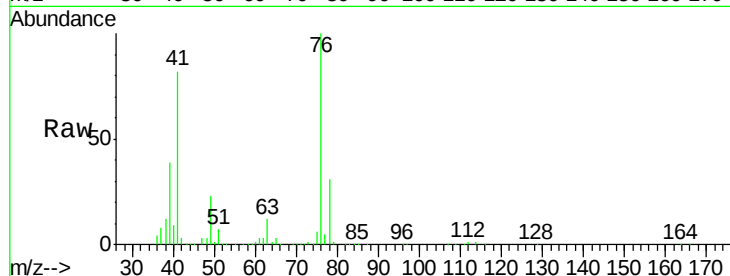
25.5

38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 1120.914 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Tgt Ion: 63 Resp: 1920538

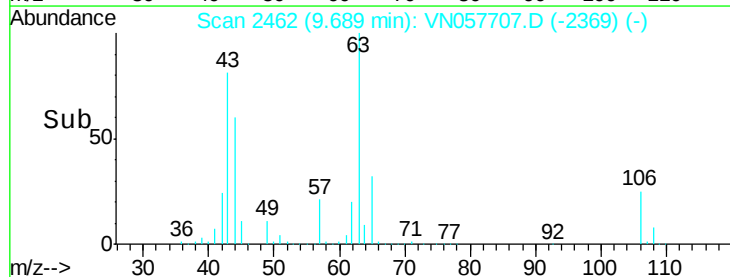
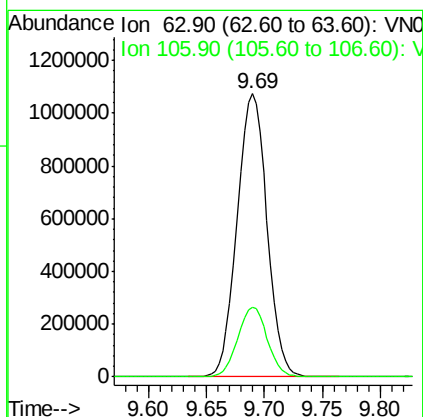
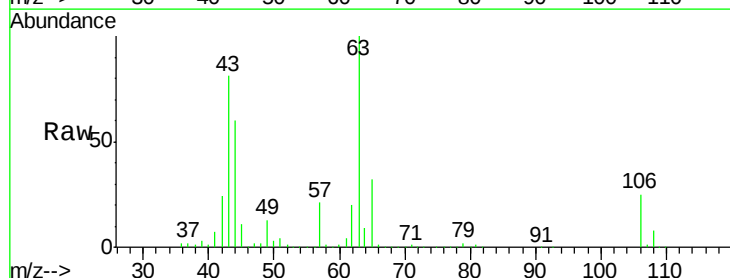
Ion Ratio Lower Upper

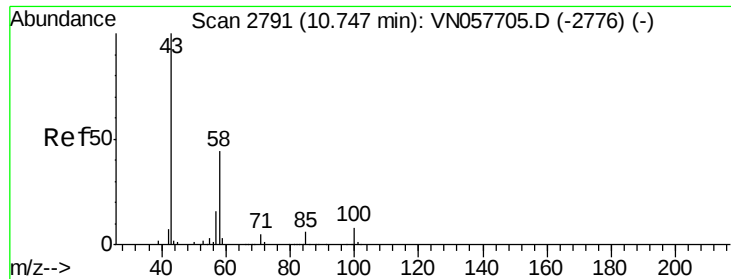
63 100

106 24.4

19.4

29.2





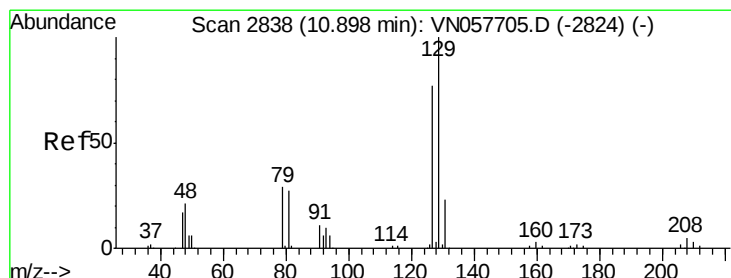
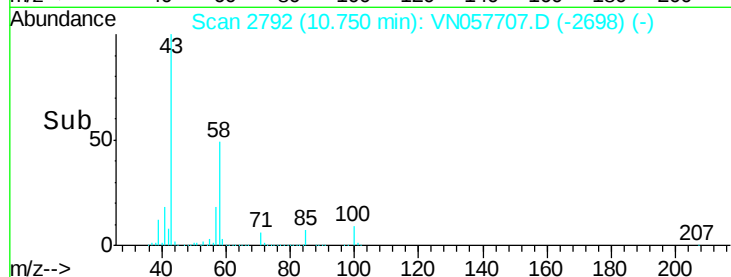
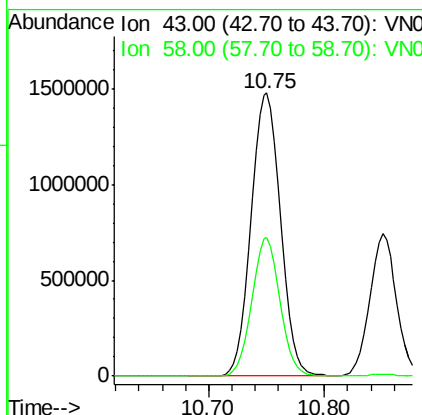
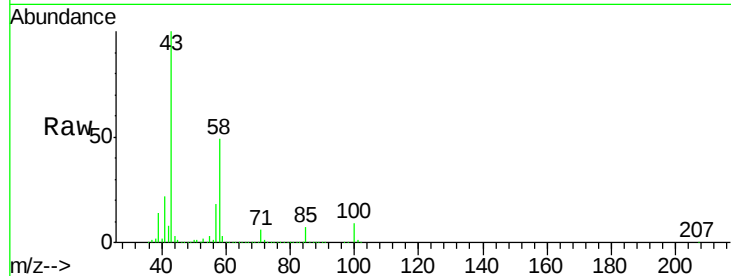
#59
2-Hexanone
Concen: 827.612 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2621572
Ion Ratio Lower Upper
43 100
58 46.8 22.1 66.5

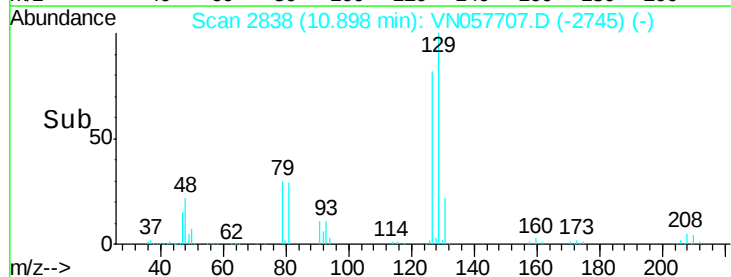
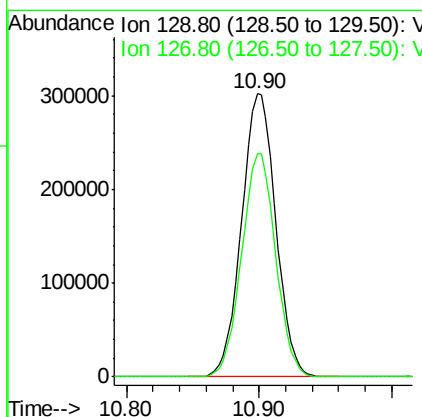
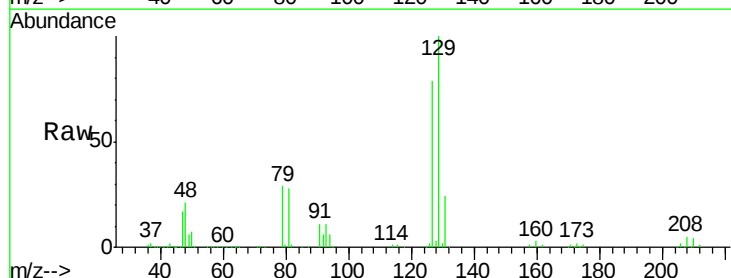
Manual Integrations
APPROVED

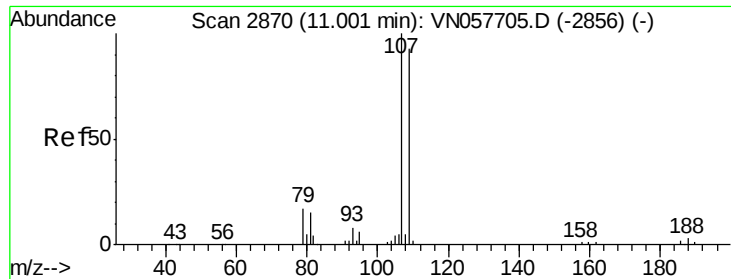
MMDadoda
9/9/2019 1:10:41 PM



#60
Dibromochloromethane
Concen: 175.574 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion: 129 Resp: 540477
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.2





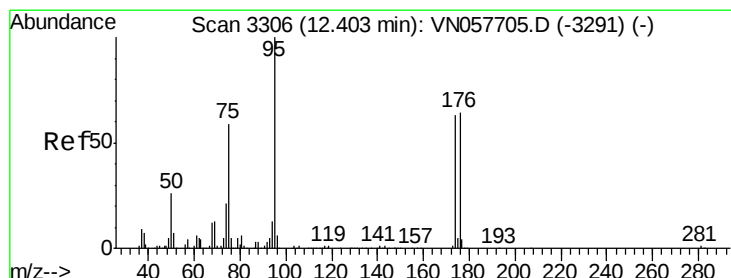
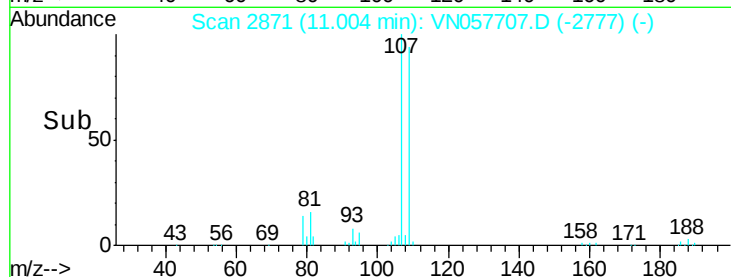
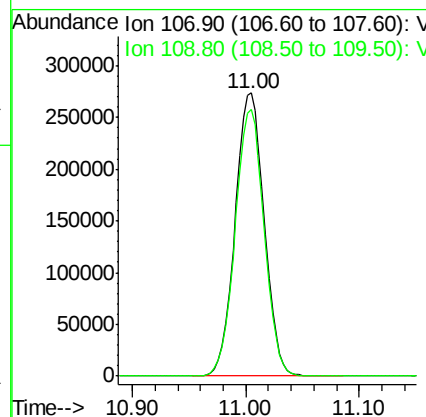
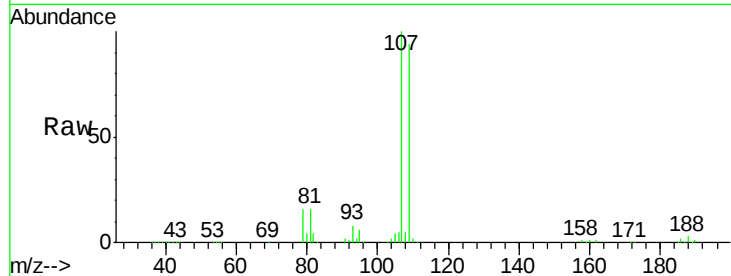
#61
 1,2-Dibromoethane
 Concen: 158.927 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	488138		
109	94.0	74.6	112.0	

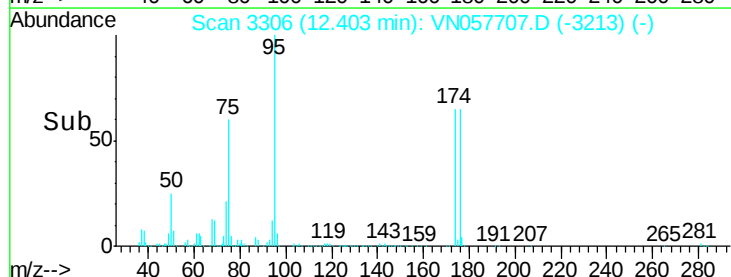
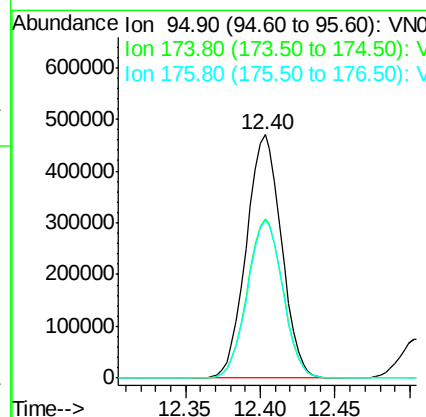
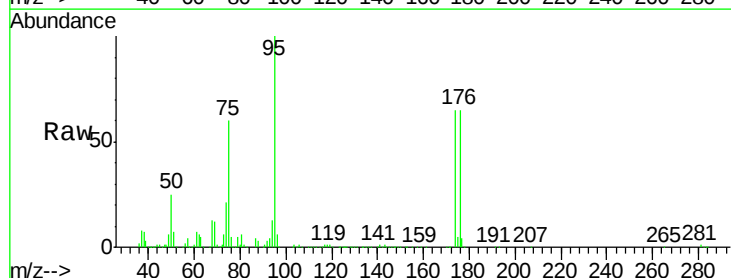
Manual Integrations
 APPROVED

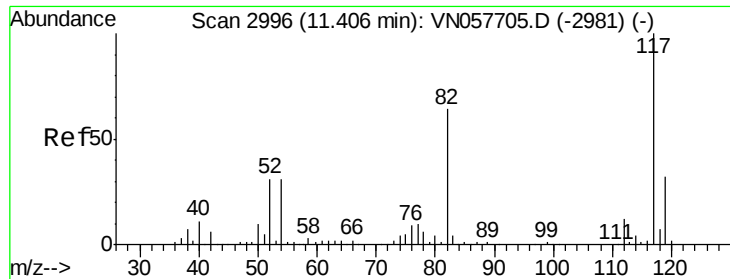
MMDadoda
 9/9/2019 1:10:41 PM



#62
 4-Bromofluorobenzene
 Concen: 172.533 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	769543		
174	65.9	0.0	128.0	
176	65.2	0.0	128.0	





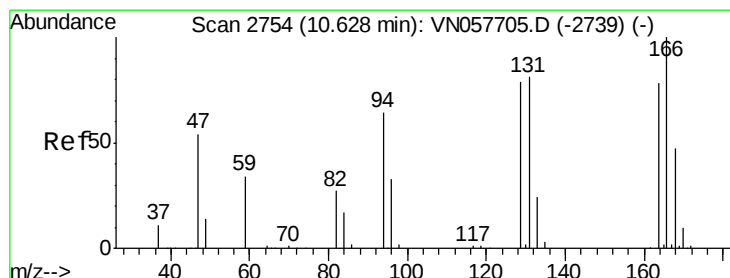
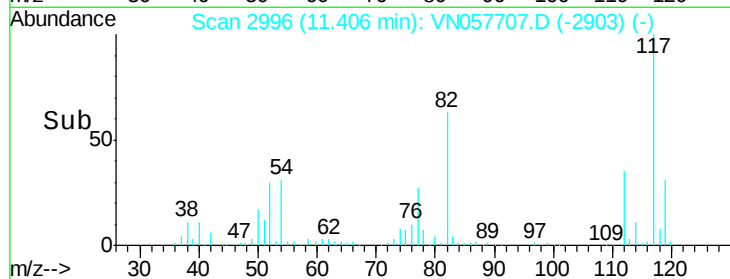
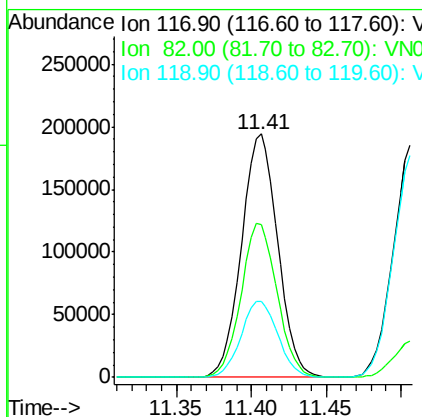
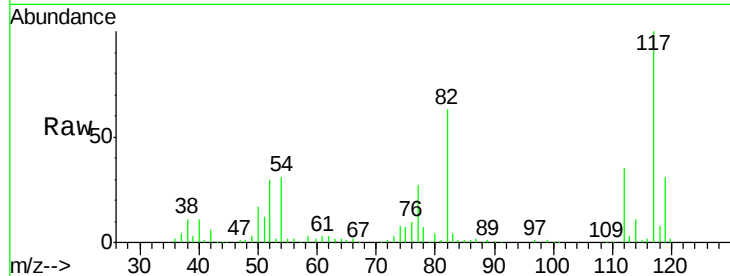
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.9	51.4	77.0
119	31.4	25.4	38.2

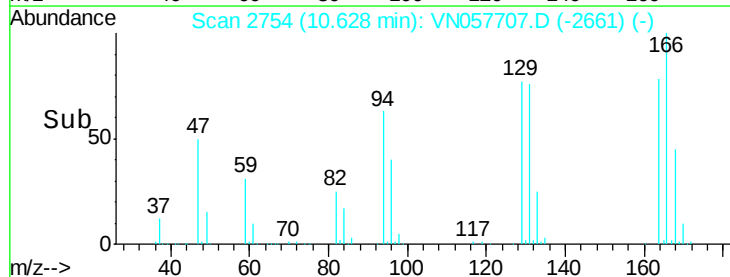
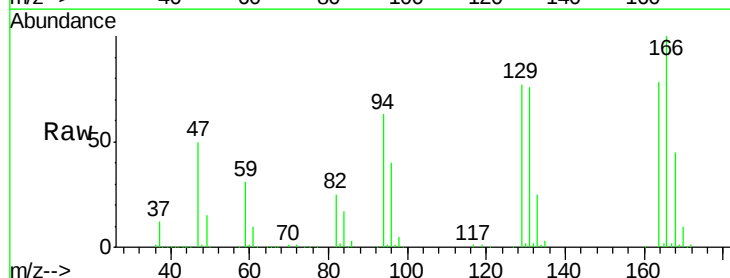
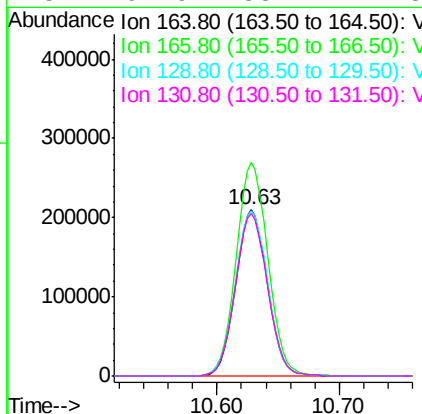
Manual Integrations
APPROVED

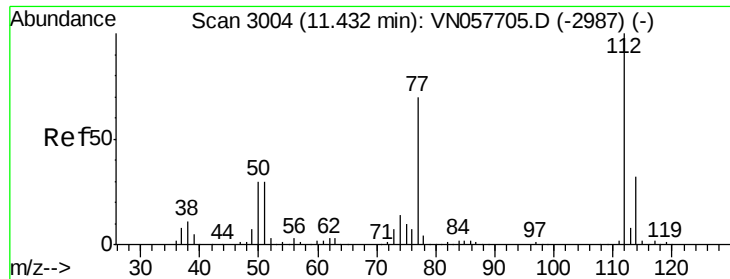
MMDadoda
9/9/2019 1:10:41 PM



#64
Tetrachloroethene
Concen: 132.645 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.0	154.6
129	99.6	81.1	121.7
131	97.9	83.2	124.8





#65

Chlorobenzene

Concen: 153.504 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1275450

Ion Ratio Lower Upper

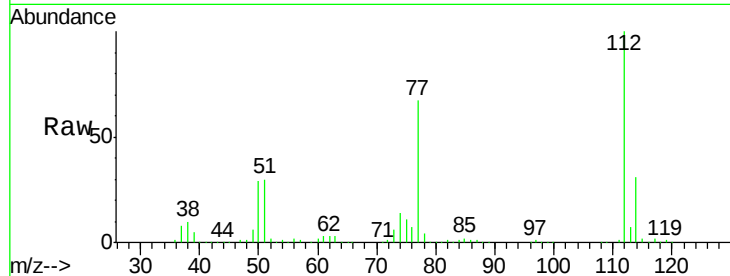
112 100

114 31.2 25.8 38.8

Manual Integrations
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9/9/2019 1:10:41 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

800000

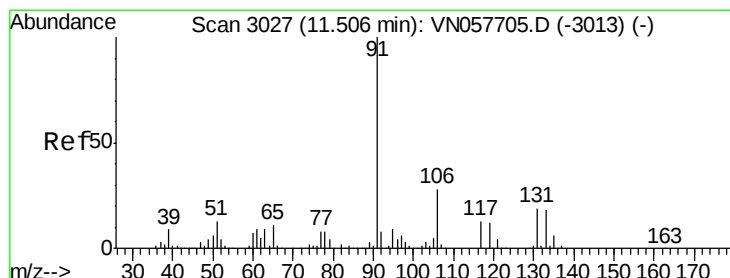
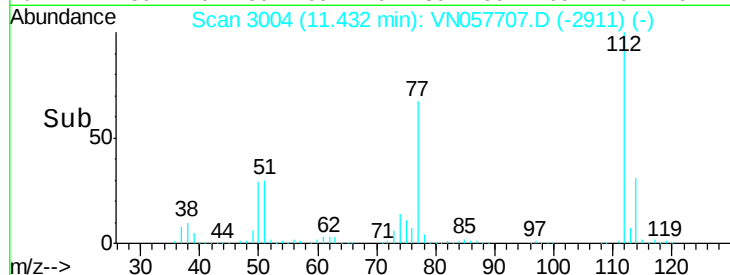
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 159.373 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

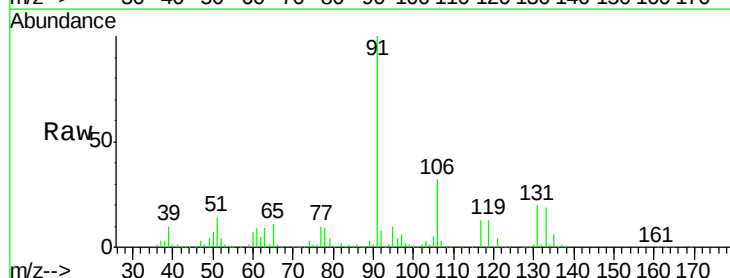
Tgt Ion:131 Resp: 481274

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.9

119 64.2 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

11.51

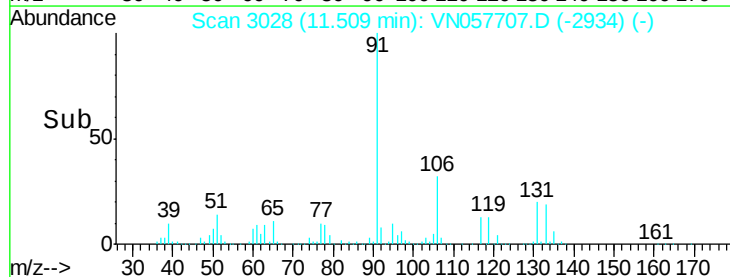
300000

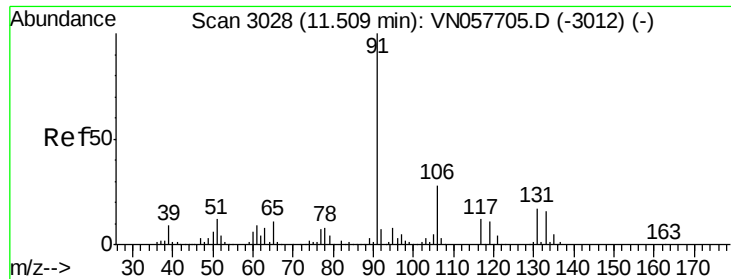
200000

100000

0

Time-->





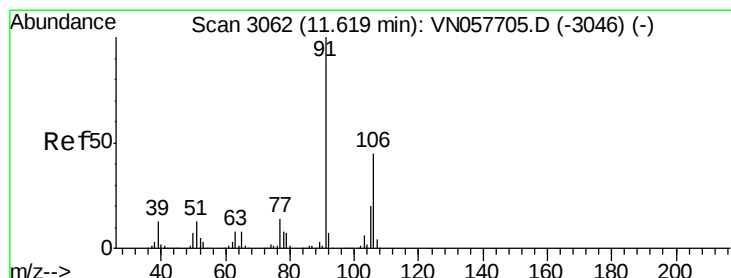
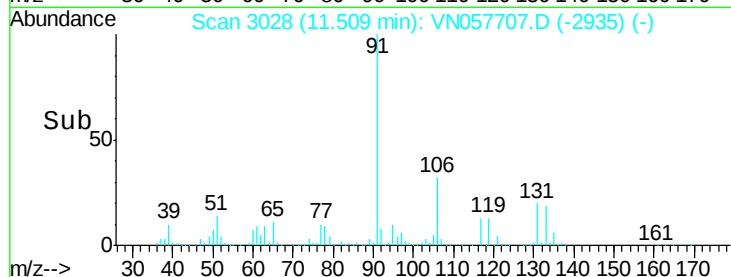
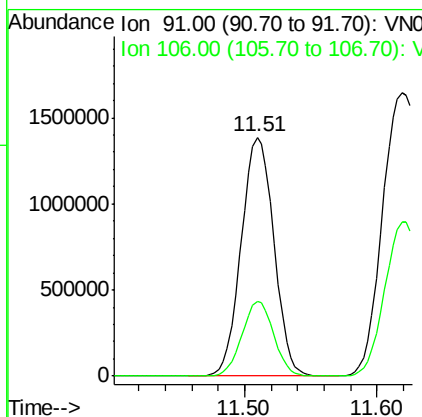
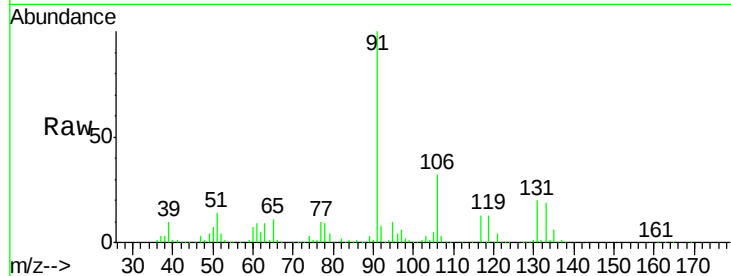
#67
Ethyl Benzene
Concen: 149.710 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2374708
Ion Ratio Lower Upper
91 100
106 31.5 22.8 34.2

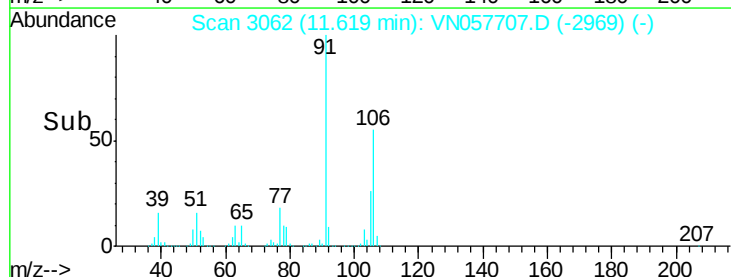
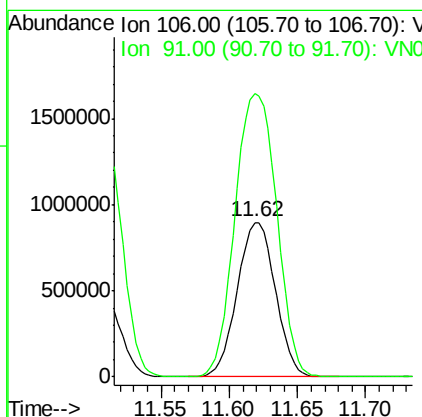
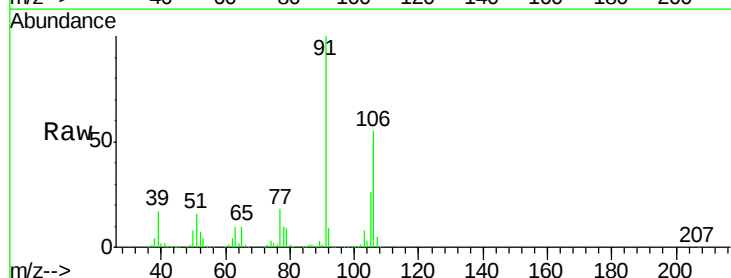
Manual Integrations
APPROVED

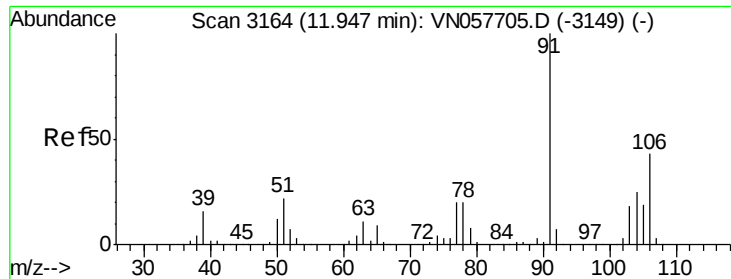
MMDadoda
9/9/2019 1:10:41 PM



#68
m/p-Xylenes
Concen: 318.745 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion: 106 Resp: 1741674
Ion Ratio Lower Upper
106 100
91 200.5 179.8 269.8





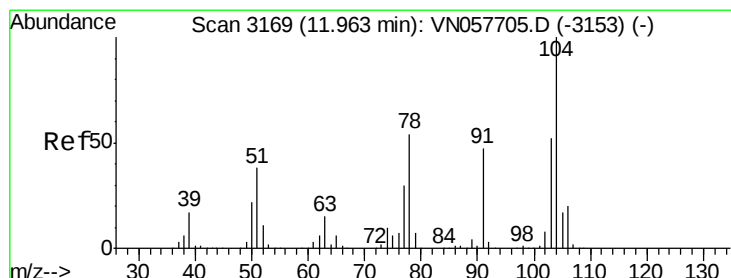
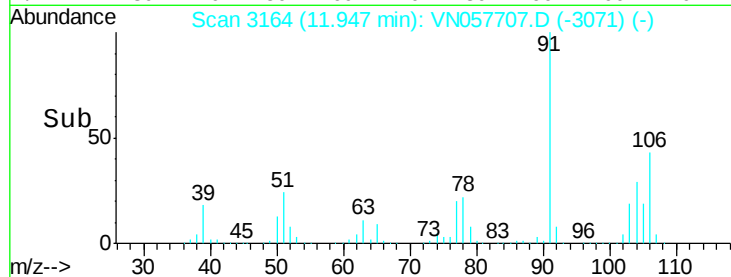
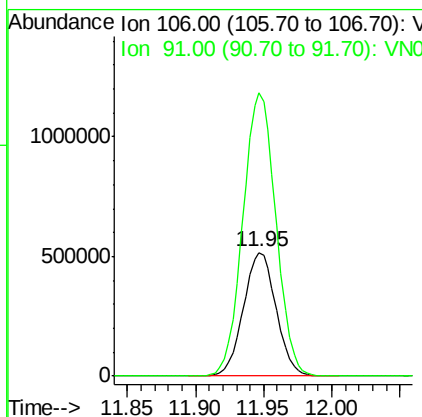
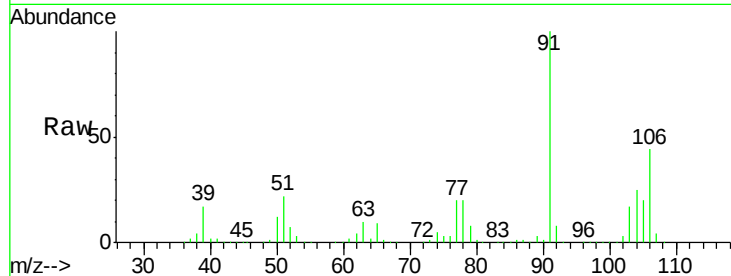
#69
o-Xylene
Concen: 156.727 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 853401
Ion Ratio Lower Upper
106 100
91 232.6 116.8 350.4

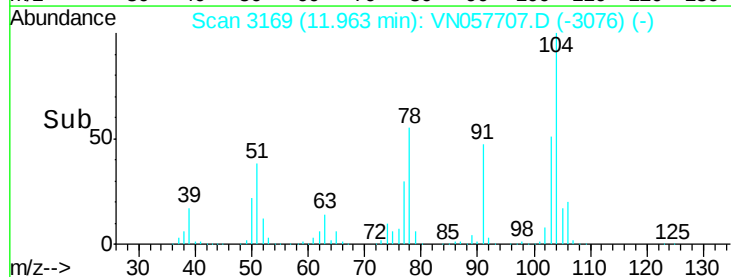
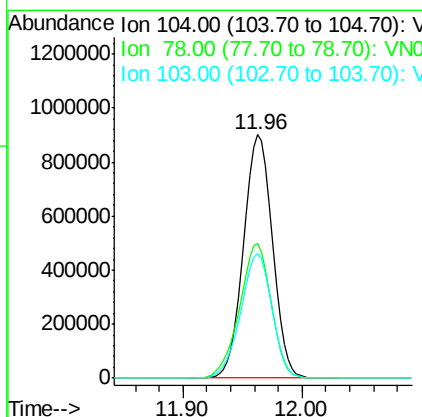
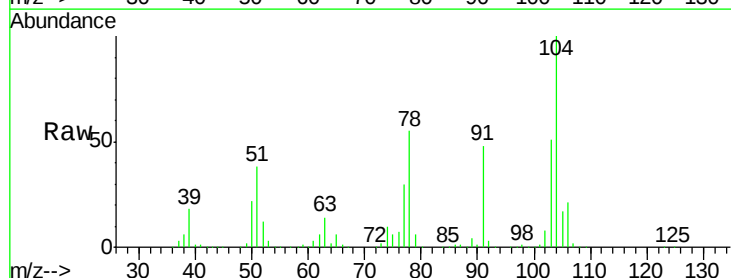
Manual Integrations
APPROVED

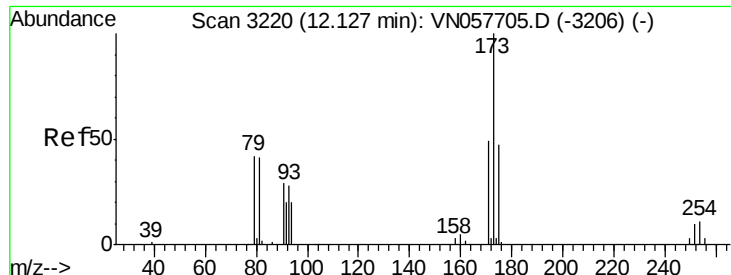
MMDadoda
9/9/2019 1:10:41 PM



#70
Styrene
Concen: 175.416 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion:104 Resp: 1521681
Ion Ratio Lower Upper
104 100
78 60.4 48.5 72.7
103 55.1 45.0 67.4





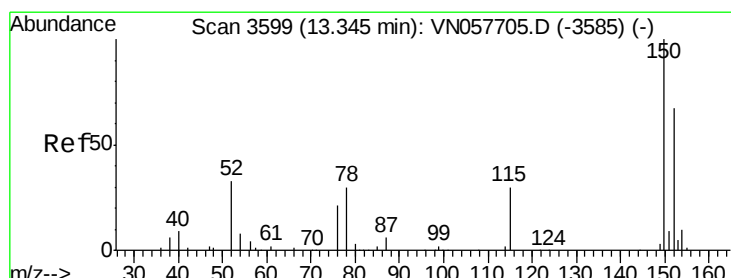
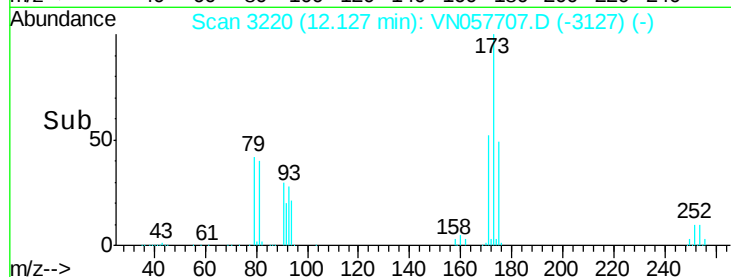
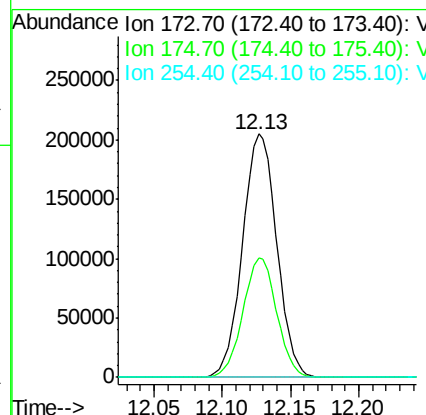
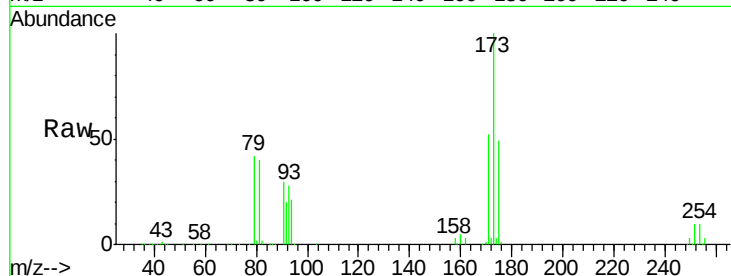
#71
Bromoform
Concen: 188.944 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.8
254	0.1	0.0	0.0

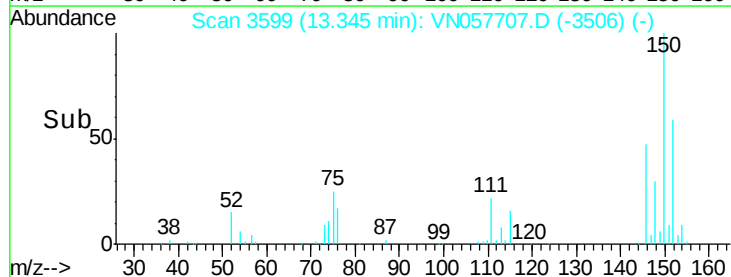
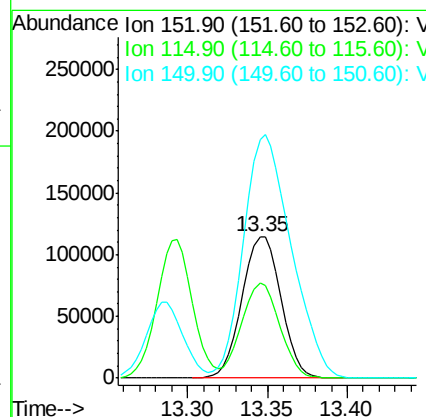
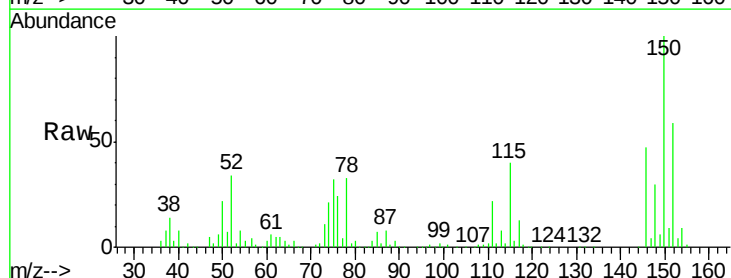
Manual Integrations
APPROVED

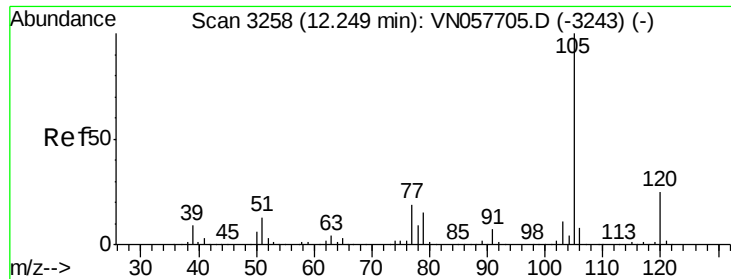
MMDadoda
9/9/2019 1:10:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.8	33.8	101.3
150	211.0	0.0	345.4





#73

Isopropylbenzene

Concen: 102.693 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2346758

Ion Ratio Lower Upper

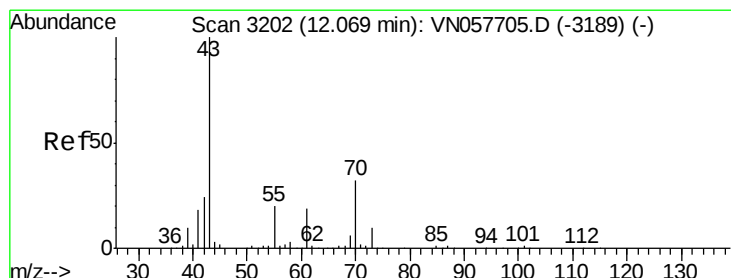
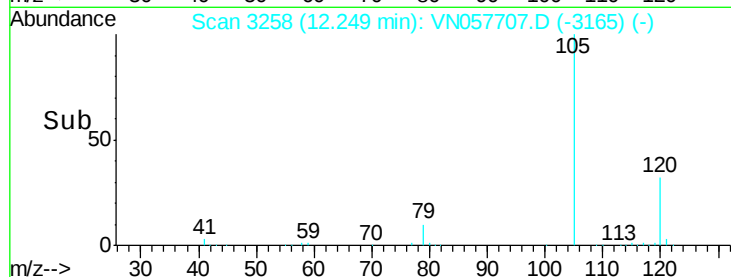
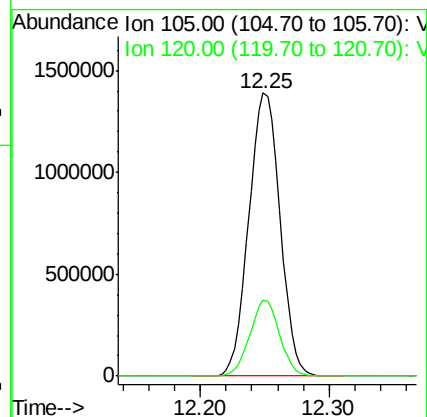
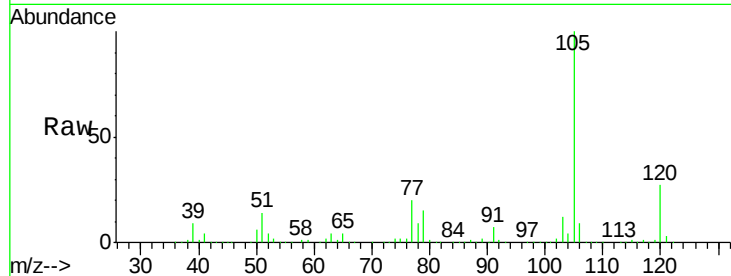
105 100

120 25.6 12.2 36.6

Manual Integrations
APPROVED

MMDadoda

9/9/2019 1:10:41 PM



#74

N-ethyl acetate

Concen: 137.672 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Tgt Ion: 43 Resp: 1307251

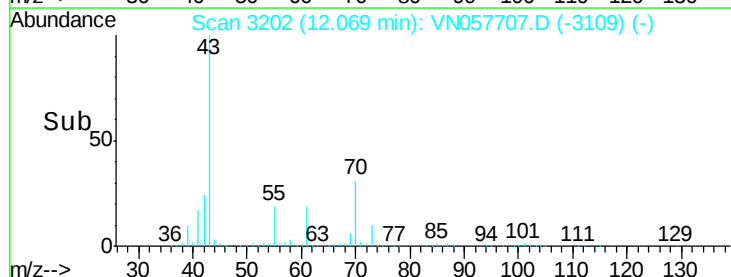
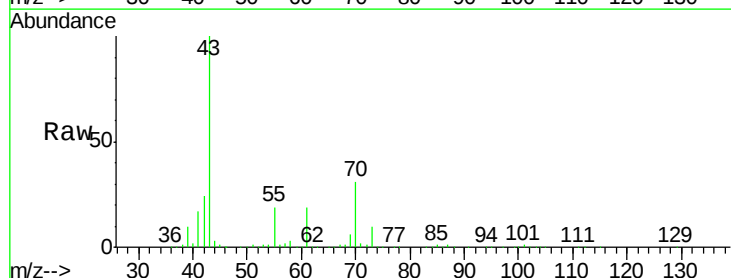
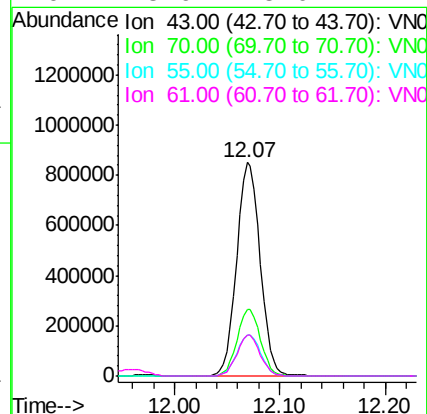
Ion Ratio Lower Upper

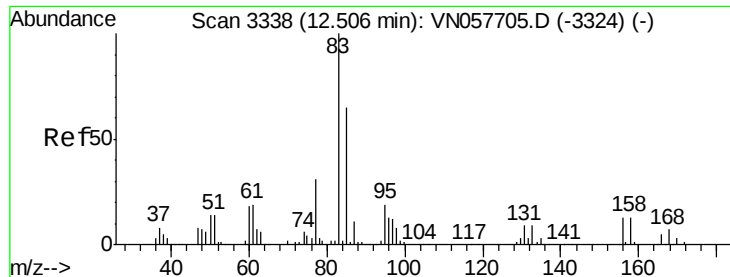
43 100

70 31.4 26.1 39.1

55 19.5 16.3 24.5

61 18.9 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 116.729 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

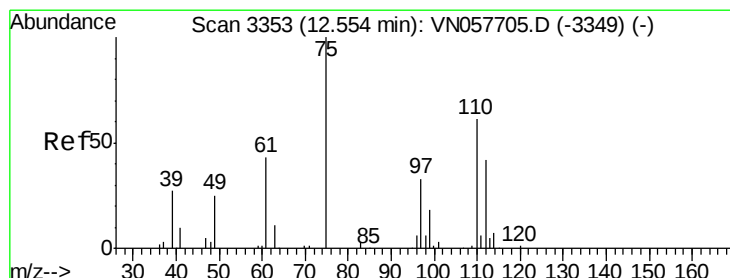
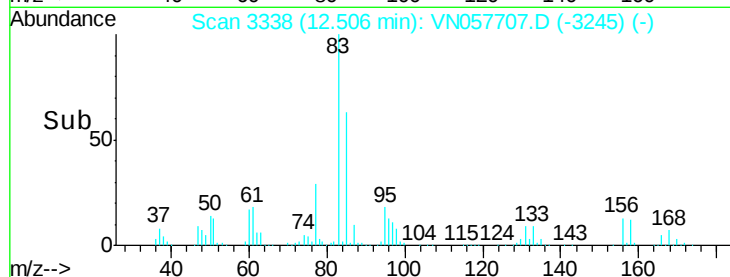
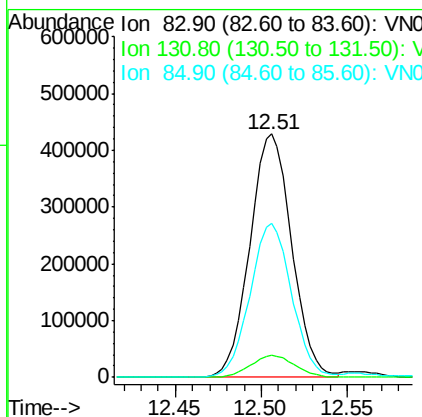
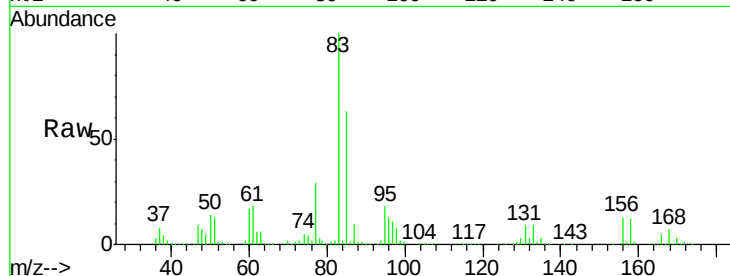
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	723081
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.5	13.5
85	62.7	31.8	95.3

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#76

1,2,3-Trichloropropane

Concen: 123.293 ug/l m

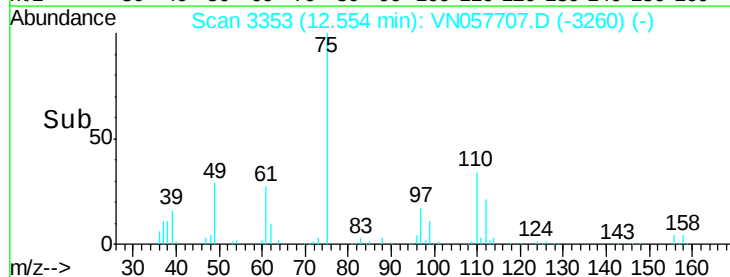
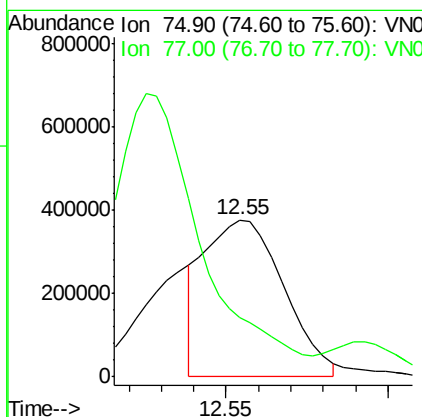
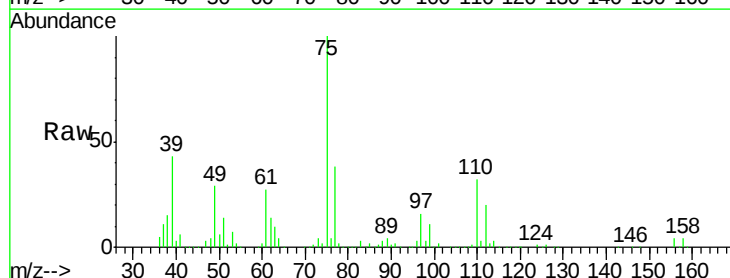
RT: 12.55 min Scan# 3353

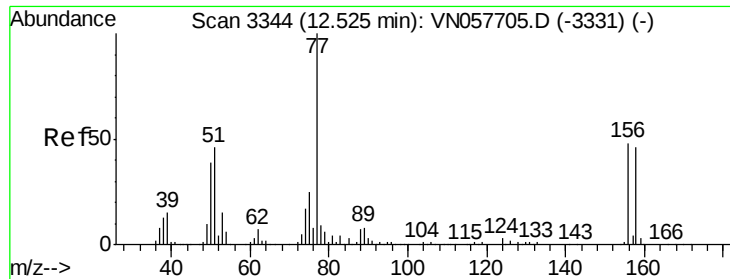
Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Tgt Ion:	75	Resp:	645140
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 110.321 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

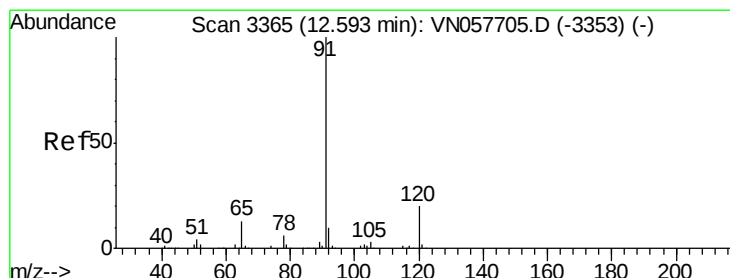
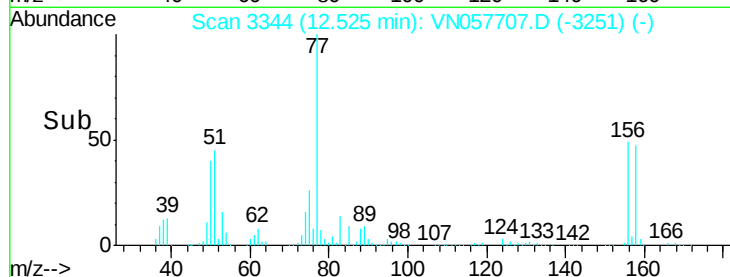
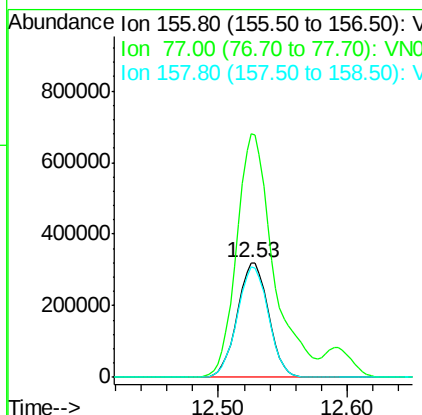
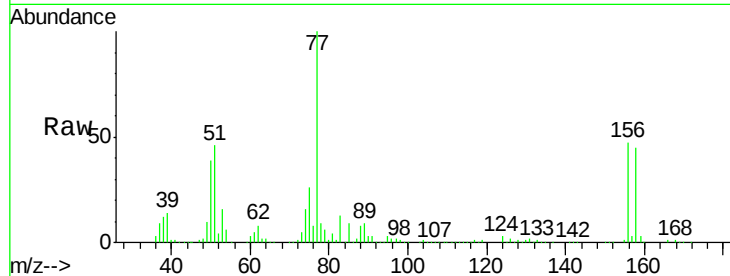
ClientSampled :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	250.7	125.4	376.2
158	96.5	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 109.424 ug/l

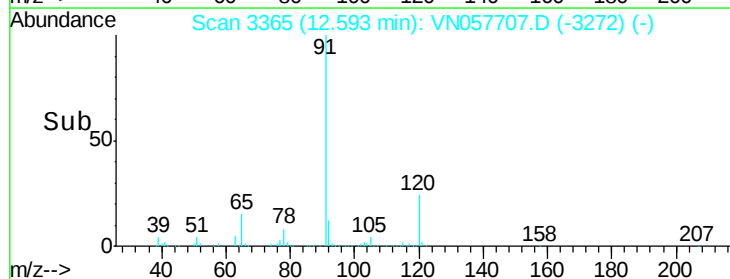
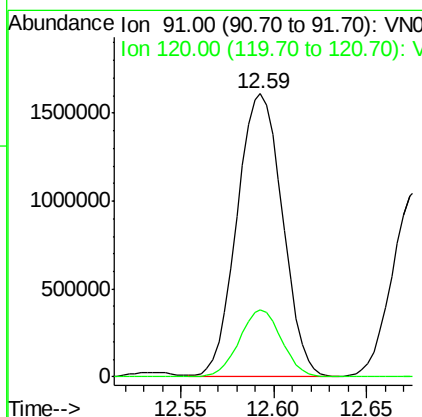
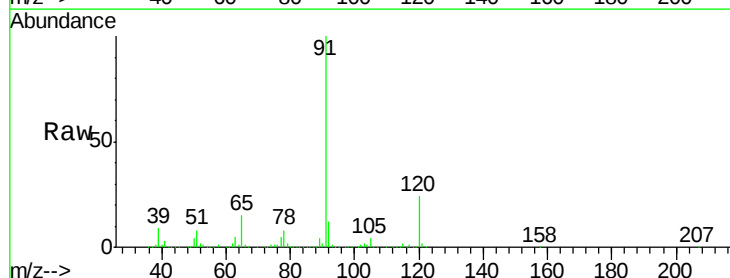
RT: 12.59 min Scan# 3365

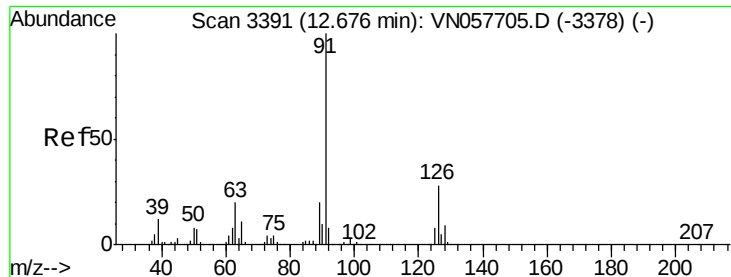
Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.0	30.0





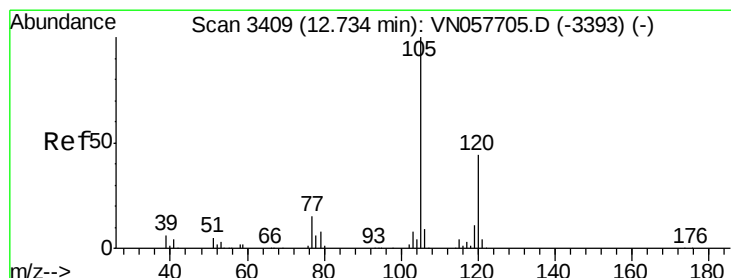
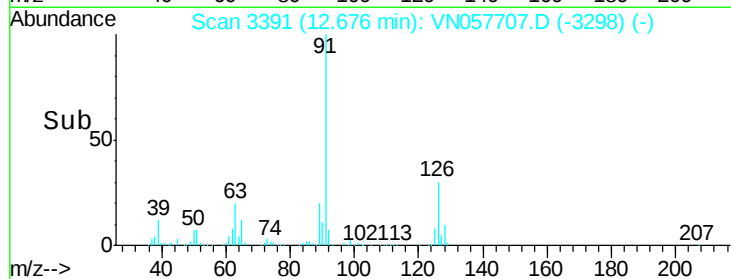
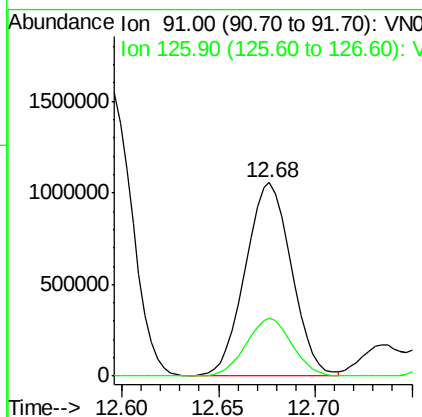
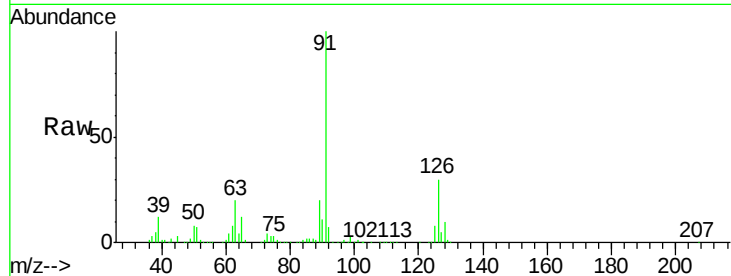
#79
 2-Chlorotoluene
 Concen: 113.720 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1748966
 Ion Ratio Lower Upper
 91 100
 126 29.8 14.5 43.5

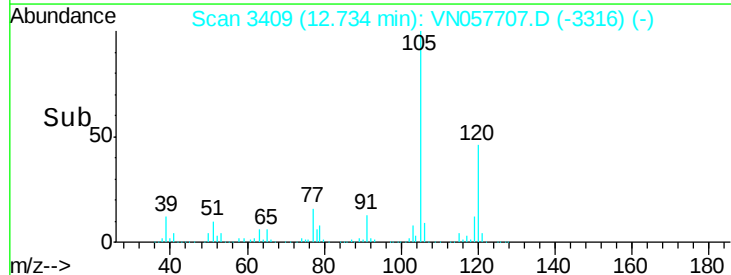
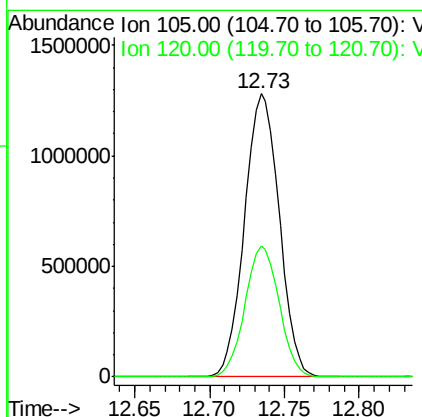
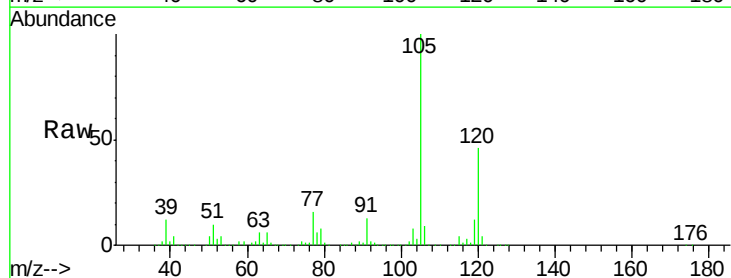
Manual Integrations
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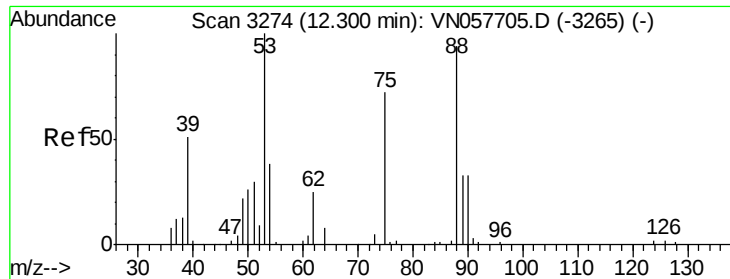
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 111.213 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Tgt Ion: 105 Resp: 2068581
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 153.051 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 235092

Ion Ratio Lower Upper

75 100

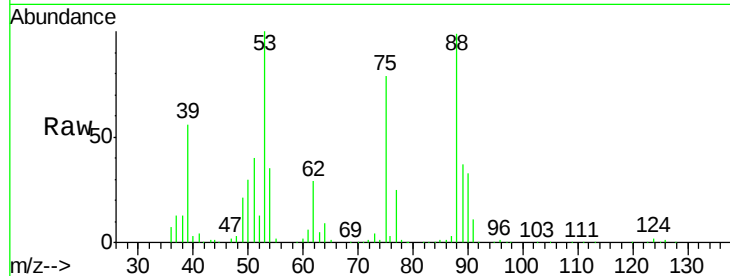
53 127.3 107.0 160.6

89 45.4 36.5 54.7

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Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

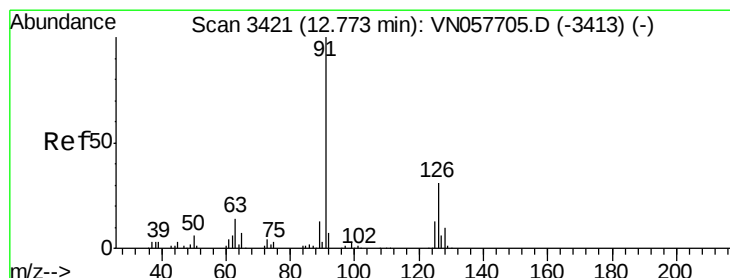
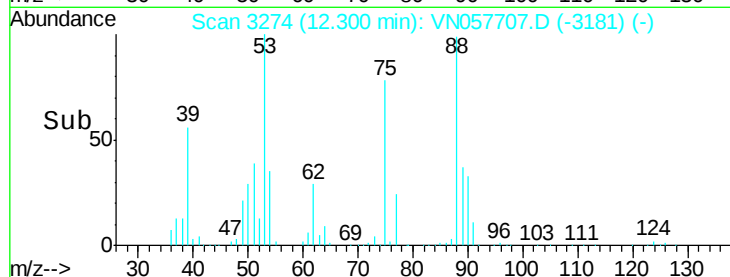
300000

200000

100000

0

Time-->



#82

4-Chlorotoluene

Concen: 126.509 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057707.D

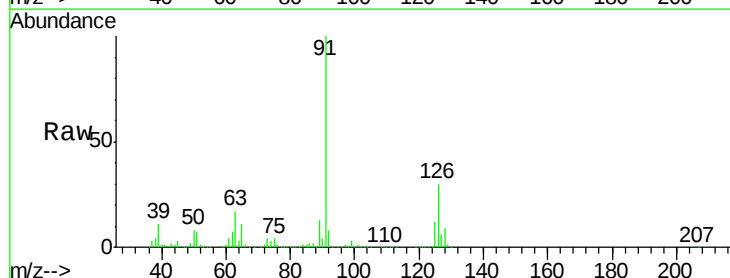
Acq: 5 Sep 2019 19:39

Tgt Ion: 91 Resp: 1843218

Ion Ratio Lower Upper

91 100

126 29.2 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

1200000

1000000

800000

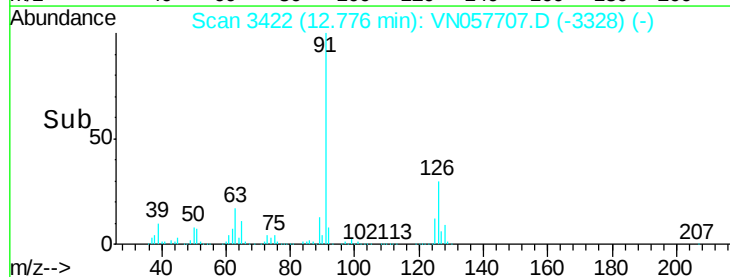
600000

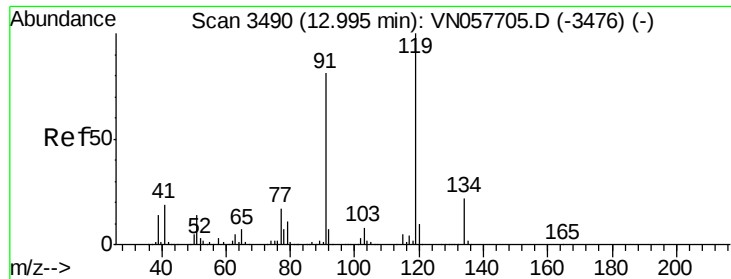
400000

200000

0

Time-->





#83

tert-Butylbenzene

Concen: 105.960 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1734728

Ion Ratio Lower Upper

119 100

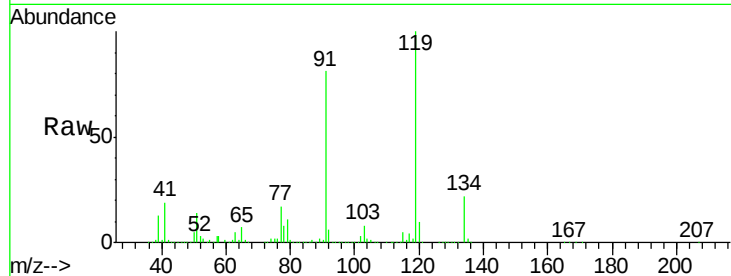
91 78.5 39.6 118.8

134 22.5 11.3 33.8

Manual Integrations
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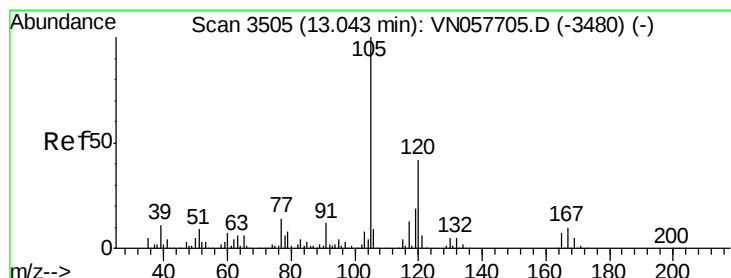
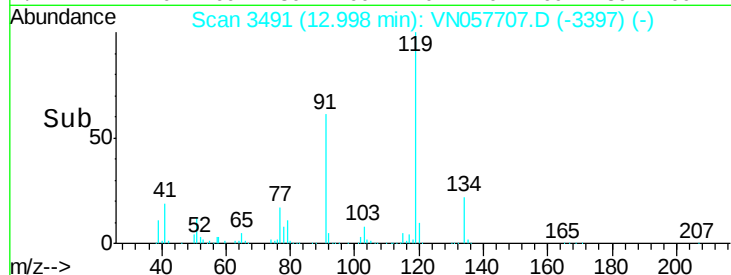
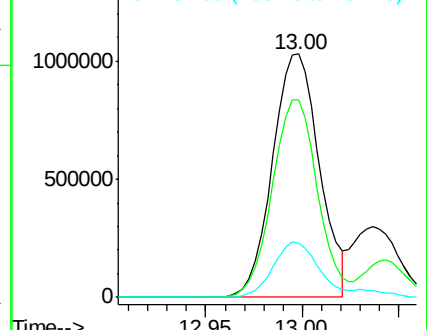
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 120.521 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN057707.D

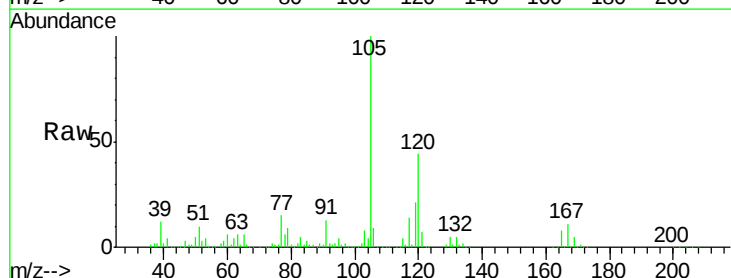
Acq: 5 Sep 2019 19:39

Tgt Ion:105 Resp: 2052798

Ion Ratio Lower Upper

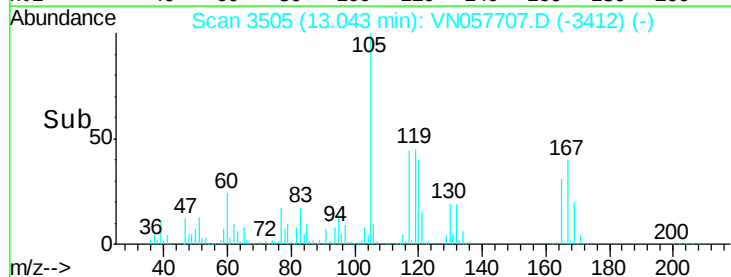
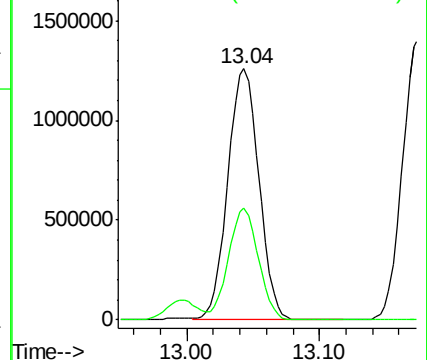
105 100

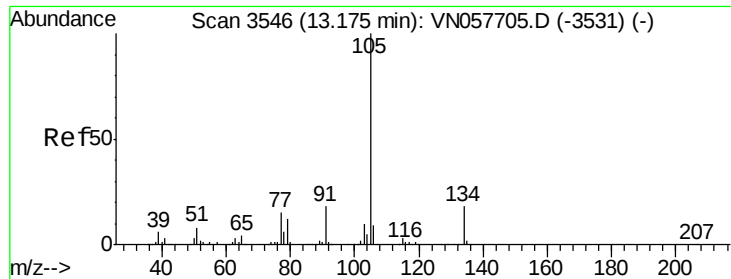
120 43.0 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 113.957 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2348637

Ion Ratio Lower Upper

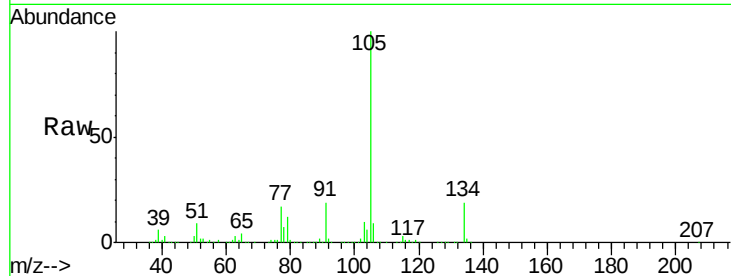
105 100

134 18.5 8.8 26.5

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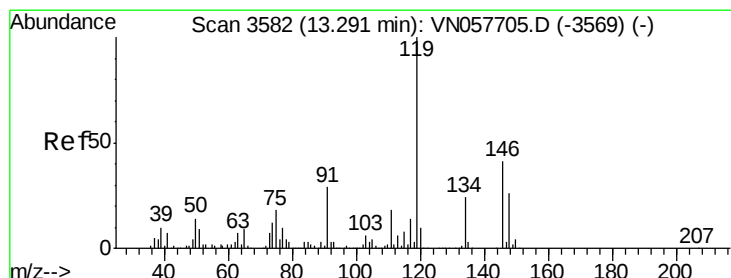
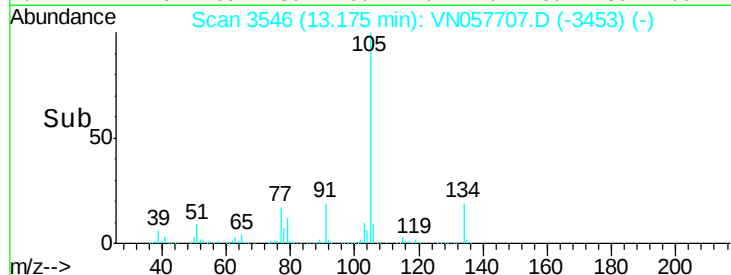
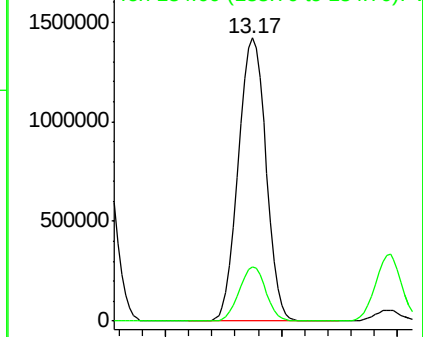
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 122.538 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

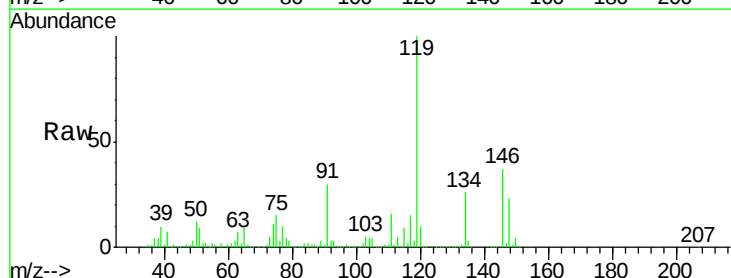
Tgt Ion:119 Resp: 2082815

Ion Ratio Lower Upper

119 100

134 25.3 12.4 37.0

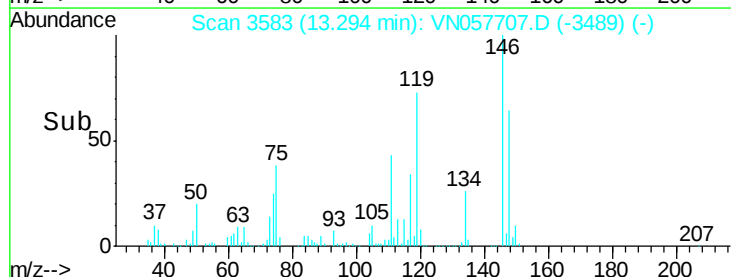
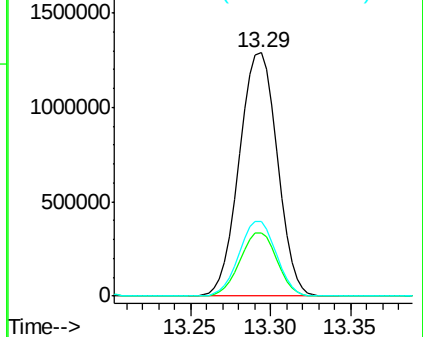
91 30.0 14.8 44.3

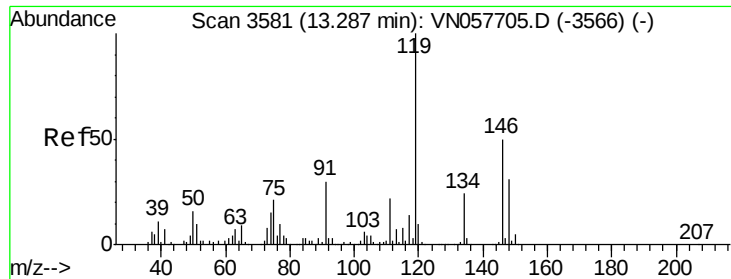


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 151.376 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

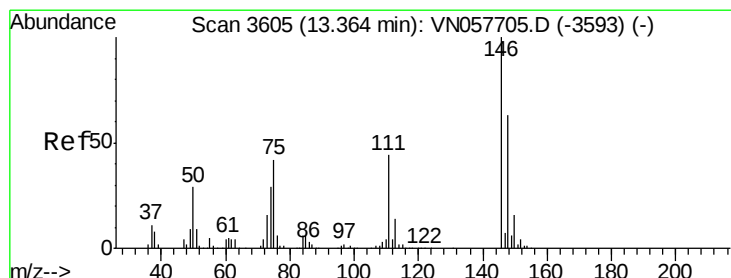
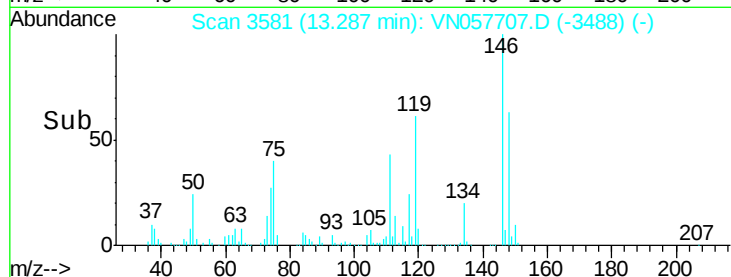
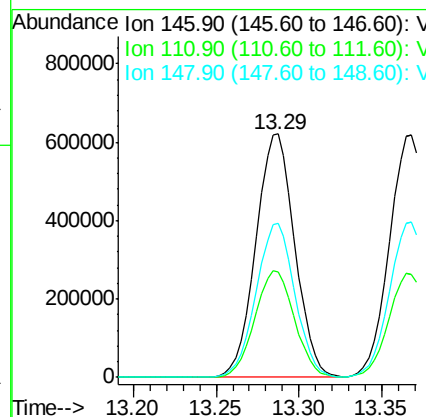
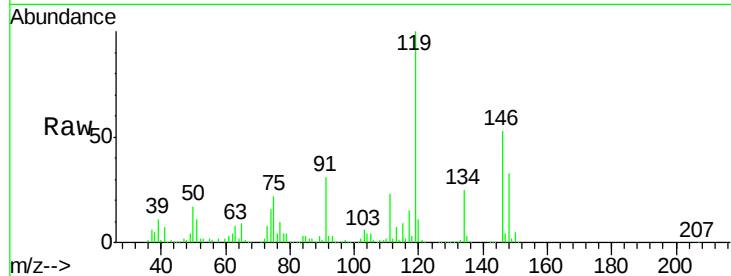
VSTDIC150

Tot Ion:146 Resp: 1016014

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.3	66.8
148	63.1	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 148.106 ug/l

RT: 13.37 min Scan# 3606

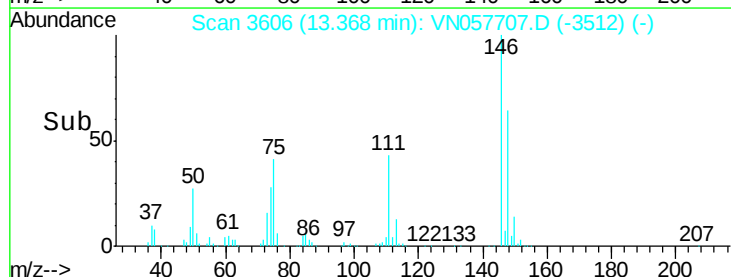
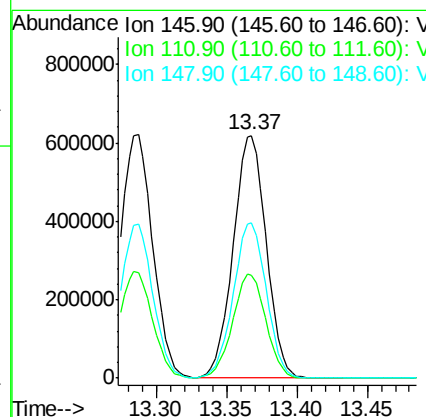
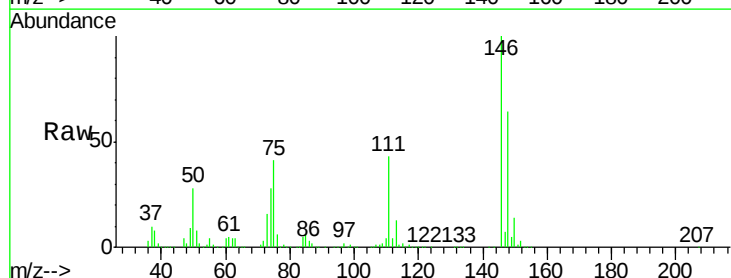
Delta R.T. 0.00 min

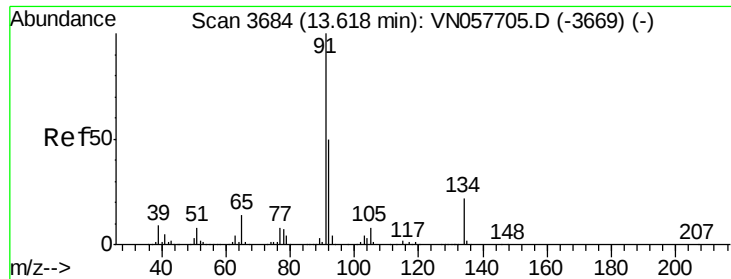
Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Tgt Ion:146 Resp: 1012261

Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.3	66.9
148	64.0	31.9	95.7





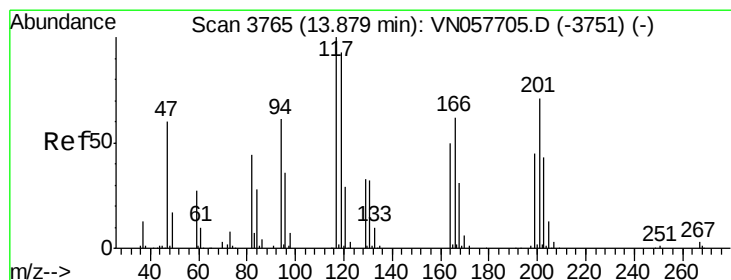
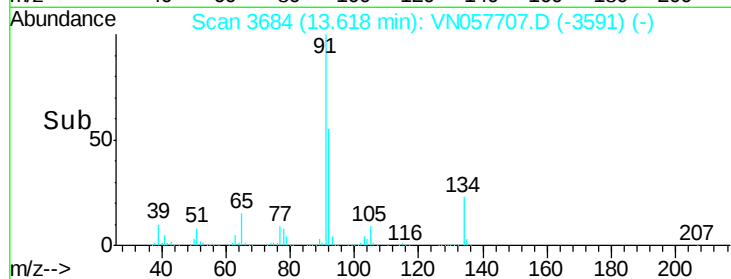
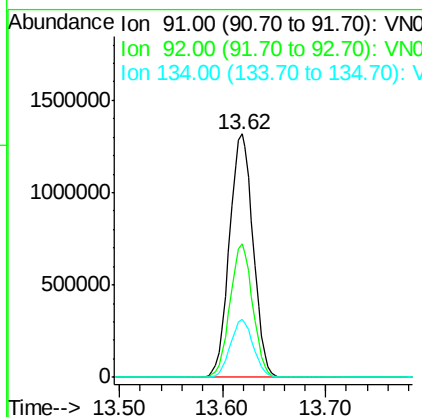
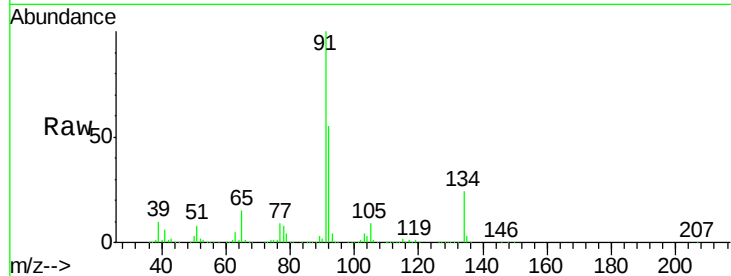
#89
n-Butylbenzene
Concen: 141.749 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2104498
Ion Ratio Lower Upper
91 100
92 52.6 25.6 76.8
134 23.0 11.2 33.5

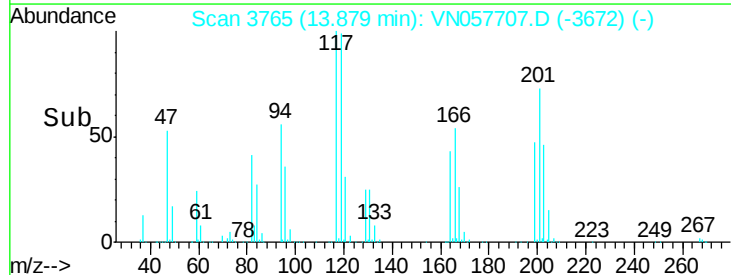
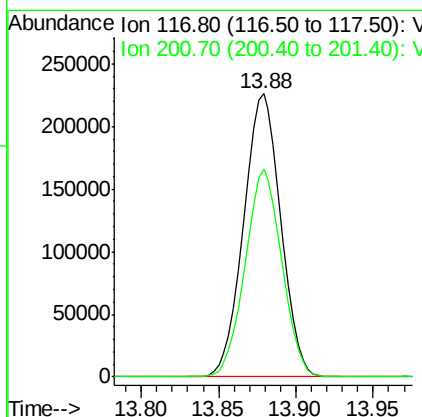
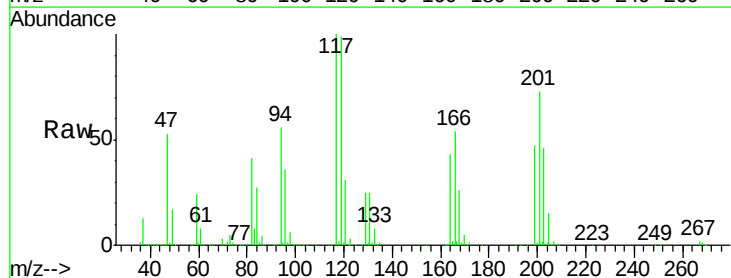
Manual Integrations
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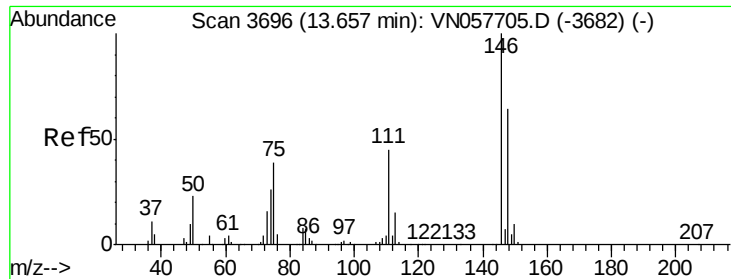
MMDadoda
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#90
Hexachloroethane
Concen: 124.935 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion: 117 Resp: 377872
Ion Ratio Lower Upper
117 100
201 72.3 36.4 109.2





#91

1,2-Dichlorobenzene

Concen: 155.144 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Instrument :

MSVOA_N

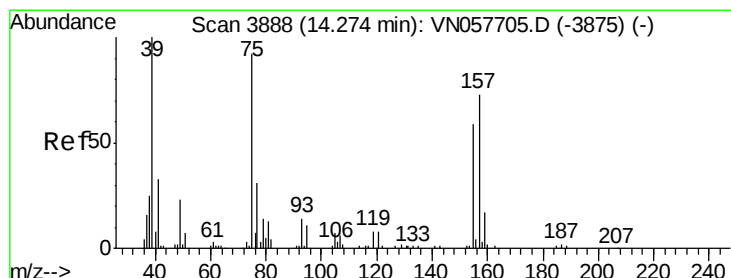
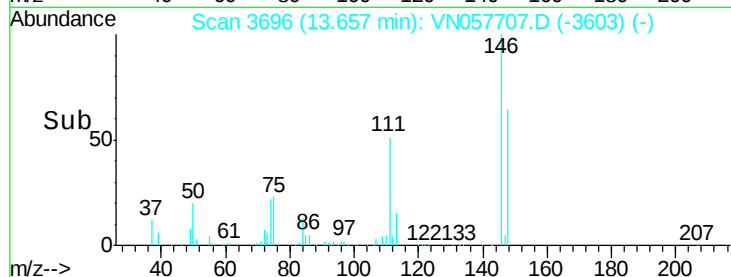
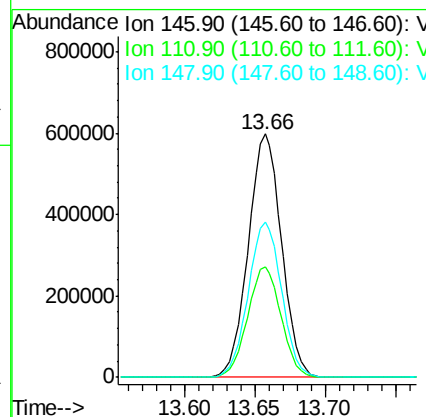
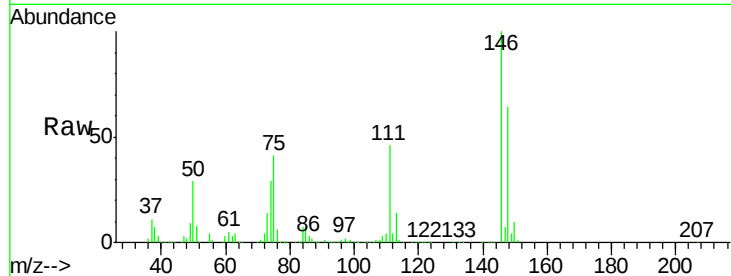
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	989922
Ion Ratio	Lower	Upper	
146	100		
111	45.7	22.8	68.3
148	64.0	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 181.195 ug/l

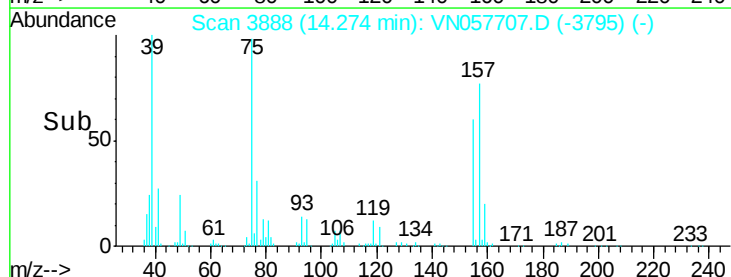
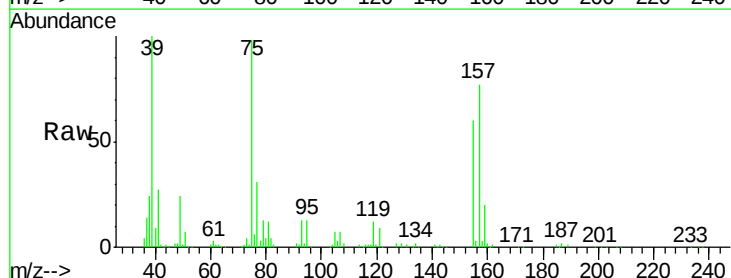
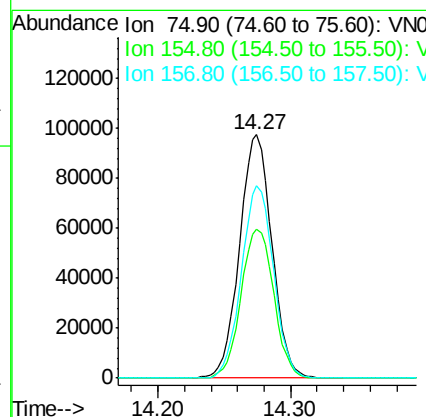
RT: 14.27 min Scan# 3888

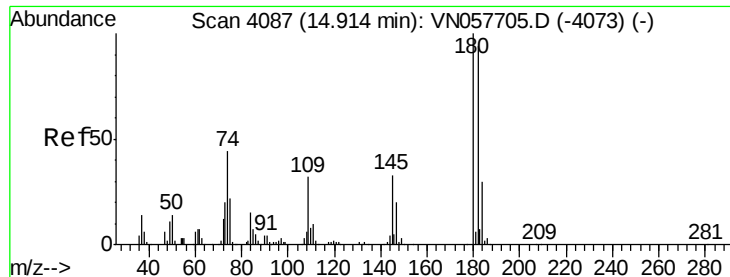
Delta R.T. 0.00 min

Lab File: VN057707.D

Acq: 5 Sep 2019 19:39

Tgt Ion:	75	Resp:	165466
Ion Ratio	Lower	Upper	
75	100		
155	61.7	30.1	90.5
157	78.3	38.1	114.5





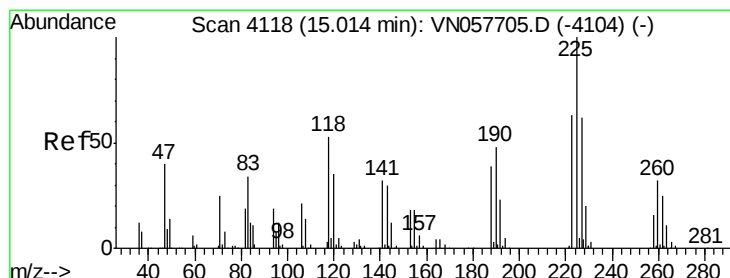
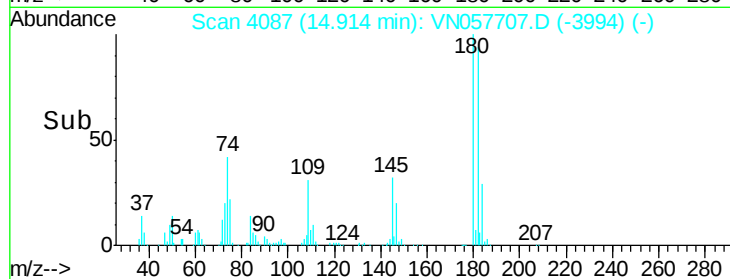
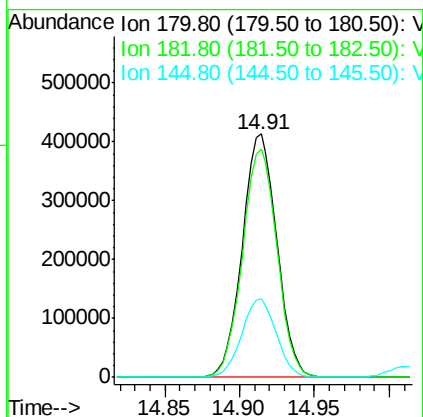
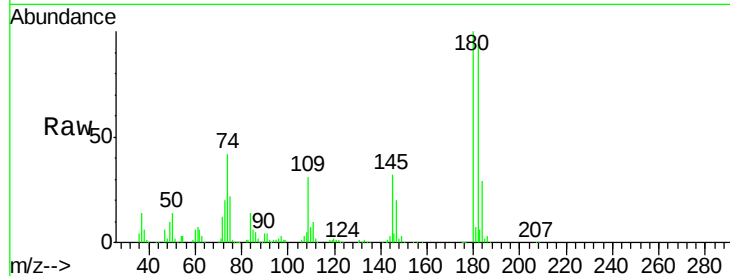
#93
 1,2,4-Trichlorobenzene
 Concen: 284.513 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	180	Resp:	664457
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.6	142.9
145	32.3	16.6	49.7

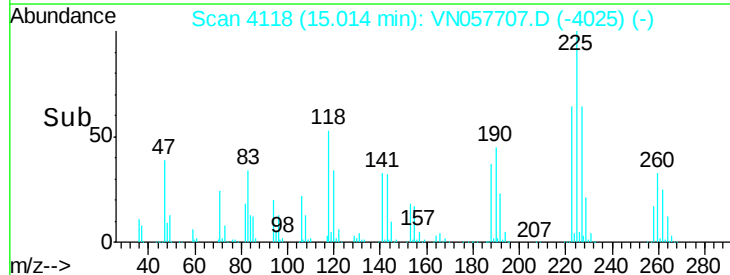
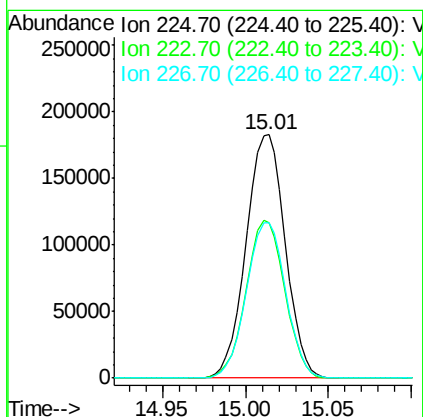
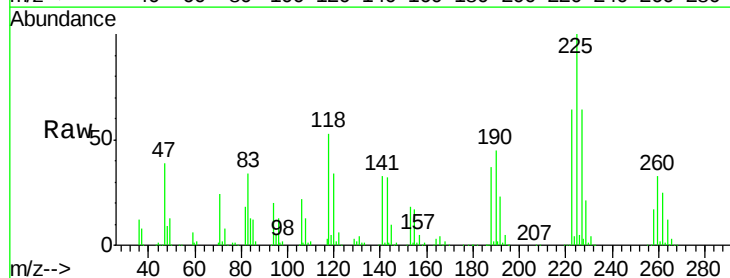
Manual Integrations
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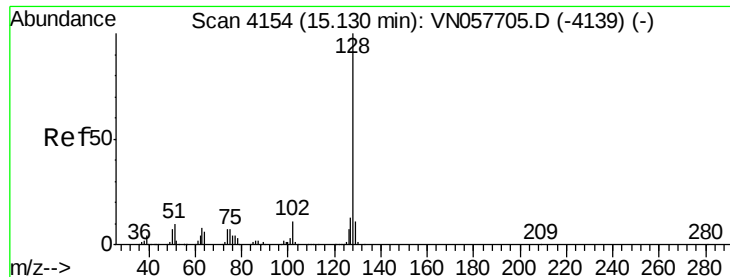
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#94
 Hexachlorobutadiene
 Concen: 116.202 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057707.D
 Acq: 5 Sep 2019 19:39

Tgt Ion:	225	Resp:	300152
Ion Ratio	Lower	Upper	
225	100		
223	64.1	31.6	95.0
227	64.2	31.7	95.1





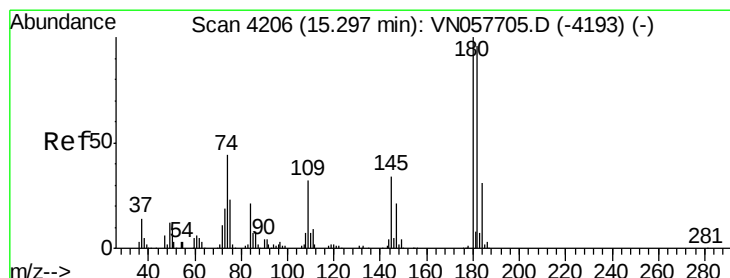
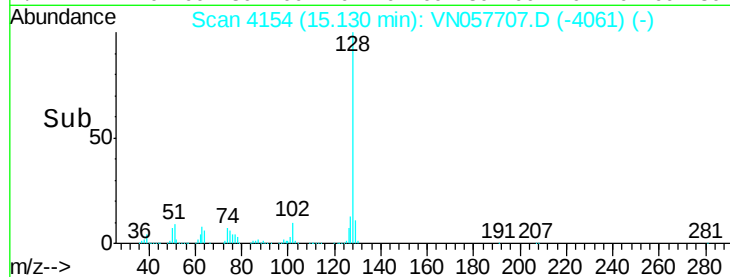
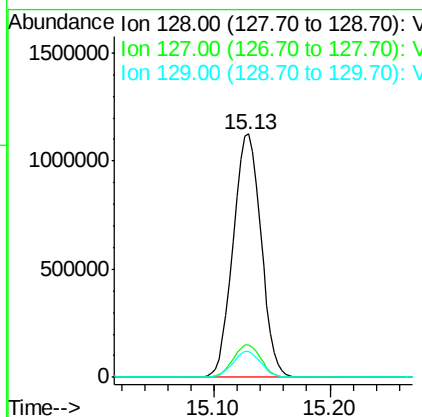
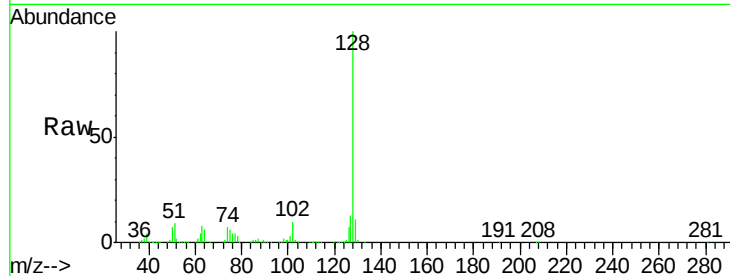
#95
Naphthalene
Concen: 304.624 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.7	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 284.770 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057707.D
Acq: 5 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.0	141.2
145	34.7	17.5	52.6

