

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058592.D
 Acq On : 8 Oct 2019 00:52
 Operator : JC/SP
 Sample : K5197-04MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MS

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:53 AM

Quant Time: Oct 08 16:01:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	423995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	718522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	665530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	301203	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.57	113	219291	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.09	98	839400	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.41	95	321470	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	190852	41.052	ug/l	98
3) Chloromethane	2.04	50	280611	54.902	ug/l	99
4) Vinyl Chloride	2.17	62	263148	52.557	ug/l	100
5) Bromomethane	2.54	94	133264	50.109	ug/l	100
6) Chloroethane	2.68	64	162866	54.288	ug/l	98
7) Trichlorofluoromethane	3.00	101	329533	54.539	ug/l	96
8) Diethyl Ether	3.39	74	130829	50.184	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	181629	44.262	ug/l	98
10) Methyl Iodide	3.93	142	198459	43.617	ug/l	100
11) Tert butyl alcohol	4.76	59	206527	300.042	ug/l	99
12) 1,1-Dichloroethene	3.71	96	187448	46.865	ug/l	100
13) Acrolein	3.58	56	66243	302.578	ug/l	97
14) Allyl chloride	4.30	41	368162	50.579	ug/l	95
15) Acrylonitrile	4.96	53	555013	276.665	ug/l	100
16) Acetone	3.79	43	491117	232.519	ug/l	100
17) Carbon Disulfide	4.03	76	502063	47.619	ug/l	98
18) Methyl Acetate	4.30	43	259419	48.833	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	752205	53.300	ug/l	100
20) Methylene Chloride	4.53	84	237128	48.649	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	211748	47.607	ug/l	99
22) Diisopropyl ether	5.93	45	811692	51.820	ug/l	98
23) Vinyl Acetate	5.87	43	3041091	257.488	ug/l	100
24) 1,1-Dichloroethane	5.82	63	451198	51.183	ug/l	100
25) 2-Butanone	6.82	43	738460	254.648	ug/l	99
26) 2,2-Dichloropropane	6.80	77	285627	39.412	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	262864	50.566	ug/l	96
28) Bromochloromethane	7.18	49	181882	51.616	ug/l	99
29) Tetrahydrofuran	7.19	42	492910	267.805	ug/l	99
30) Chloroform	7.36	83	449240	50.290	ug/l	99
31) Cyclohexane	7.64	56	364667	42.527	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	389674	53.121	ug/l	99
36) 1,1-Dichloropropene	7.78	75	324426	47.220	ug/l	99
37) Ethyl Acetate	6.91	43	297740	51.114	ug/l	99
38) Carbon Tetrachloride	7.76	117	330996	53.373	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	336062	41.886	ug/l	97
40) Benzene	8.03	78	981451	49.696	ug/l	99
41) Methacrylonitrile	7.15	41	140692	52.501	ug/l	98
42) 1,2-Dichloroethane	8.11	62	380765	49.557	ug/l	100
43) Isopropyl Acetate	8.15	43	528714	48.268	ug/l #	90
44) Trichloroethene	8.82	130	277284	56.862	ug/l	96
45) 1,2-Dichloropropane	9.11	63	272299	51.411	ug/l	99
46) Dibromomethane	9.20	93	168783	50.319	ug/l	99
47) Bromodichloromethane	9.39	83	358317	56.382	ug/l	99
48) Methyl methacrylate	9.19	41	262393	52.608	ug/l	96
49) 1,4-Dioxane	9.19	88	89079	1335.667	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1586470	281.962	ug/l	99
52) Toluene	10.15	92	606849	48.819	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	383326	55.417	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	404250	52.648	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	242728	53.627	ug/l	98
56) Ethyl methacrylate	10.43	69	374367	54.508	ug/l	96
57) 1,3-Dichloropropane	10.71	76	429777	53.234	ug/l	99
59) 2-Hexanone	10.75	43	1149716	280.626	ug/l	99
60) Dibromochloromethane	10.90	129	265192	56.653	ug/l	99
61) 1,2-Dibromoethane	11.00	107	245289	53.037	ug/l	100
64) Tetrachloroethene	10.63	164	2461282	582.093	ug/l	97
65) Chlorobenzene	11.44	112	654716	49.490	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	248380	55.725	ug/l	100
67) Ethyl Benzene	11.51	91	1195231	49.880	ug/l	99
68) m/p-Xylenes	11.63	106	875974	97.164	ug/l	99
69) o-Xylene	11.95	106	428200	49.339	ug/l	99
70) Stvrene	11.97	104	711735	50.481	ug/l	99
71) Bromoform	12.13	173	176876	57.320	ug/l	100
73) Isopropylbenzene	12.25	105	1155313	48.186	ug/l	100
74) N-amyl acetate	12.07	43	450591	47.239	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	360795	50.889	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	341154m	57.571	ug/l	
77) Bromobenzene	12.53	156	277336	49.331	ug/l	99
78) n-propylbenzene	12.60	91	1332011	49.312	ug/l	99
79) 2-Chlorotoluene	12.68	91	807175	48.413	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	989093	49.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	100740	51.632	ug/l	95
82) 4-Chlorotoluene	12.78	91	827354	48.631	ug/l	99
83) tert-Butylbenzene	13.00	119	823782	48.641	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	986920	49.079	ug/l	99
85) sec-Butylbenzene	13.18	105	1088980	48.853	ug/l	99
86) p-Isopropyltoluene	13.30	119	983421	50.119	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	498867	48.937	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	487505	48.066	ug/l	99
89) n-Butylbenzene	13.62	91	858830	48.319	ug/l	99
90) Hexachloroethane	13.88	117	173281	58.777	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	493610	50.395	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	69850	55.869	ug/l	98
93) 1,2,4-Trichlorobenzene	14.92	180	287693	53.153	ug/l	99

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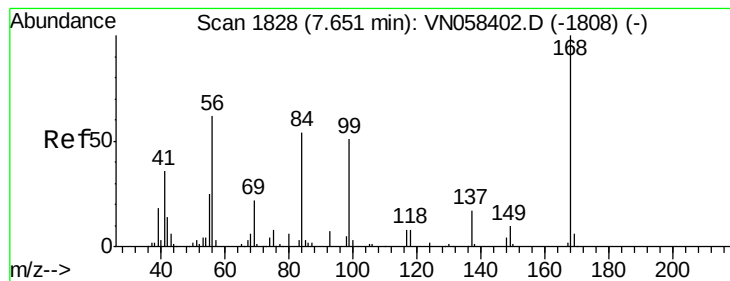
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	132955	47.792	ug/l	99
95) Naphthalene	15.13	128	789963	49.837	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	270933	49.928	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion:168 Resp: 423995

Ion Ratio Lower Upper

168 100

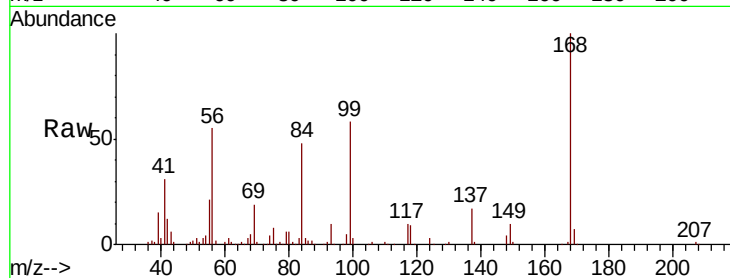
99 58.1 47.7 71.5

Manual Integrations

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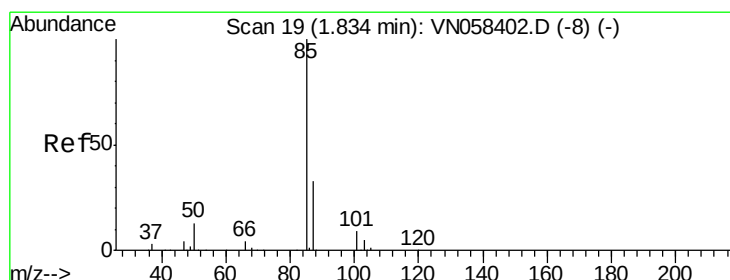
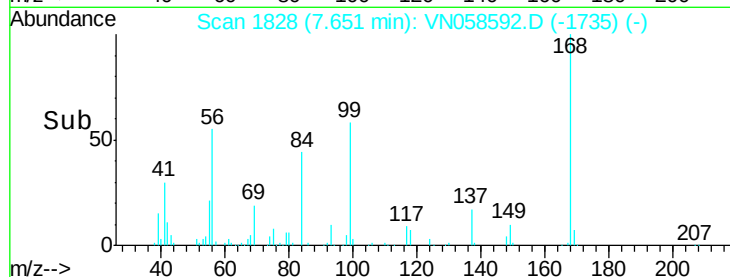
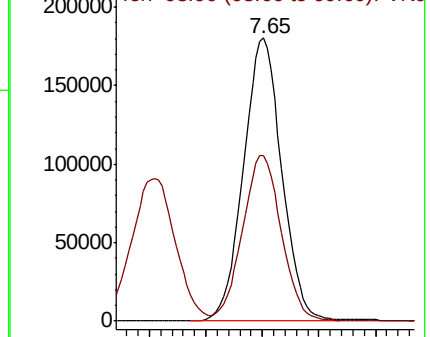
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.052 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058592.D

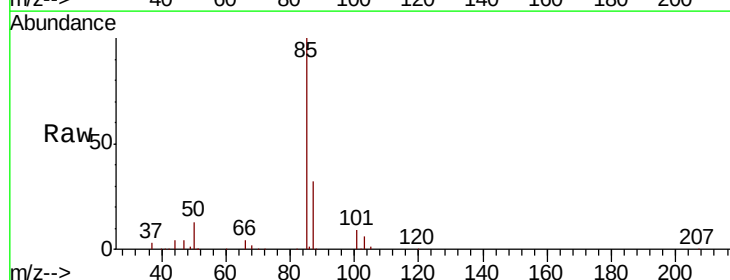
Acq: 8 Oct 2019 00:52

Tgt Ion: 85 Resp: 190852

Ion Ratio Lower Upper

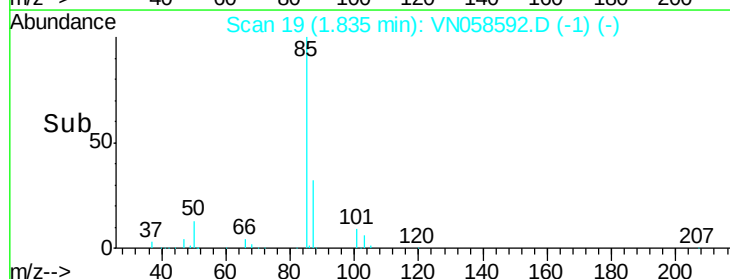
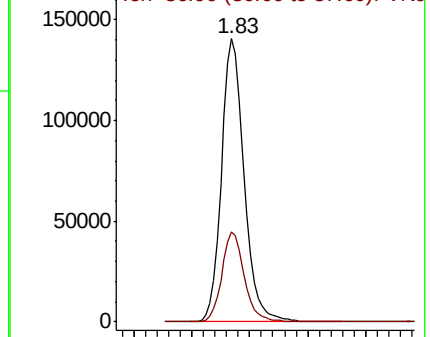
85 100

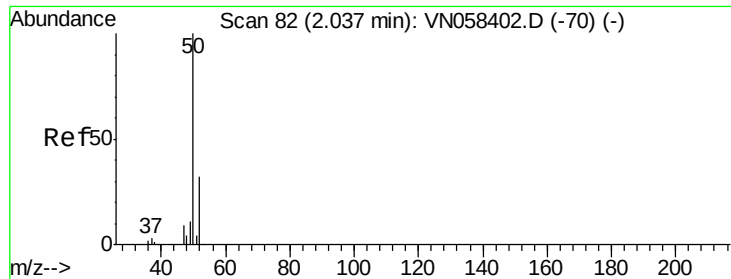
87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 54.902 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion: 50 Resp: 280611

Ion Ratio Lower Upper

50 100

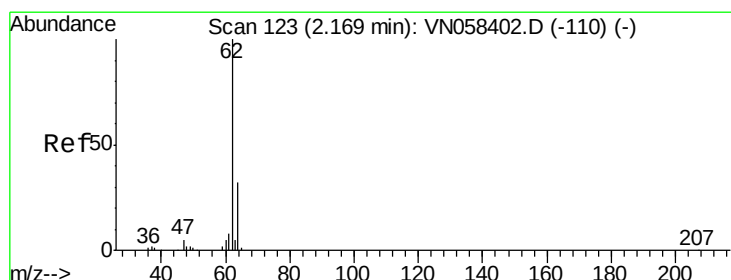
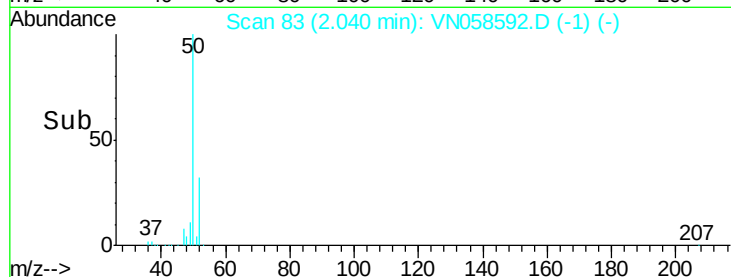
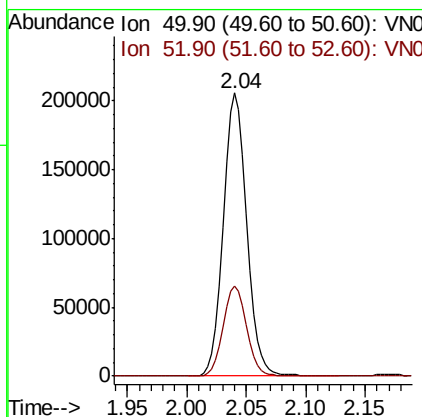
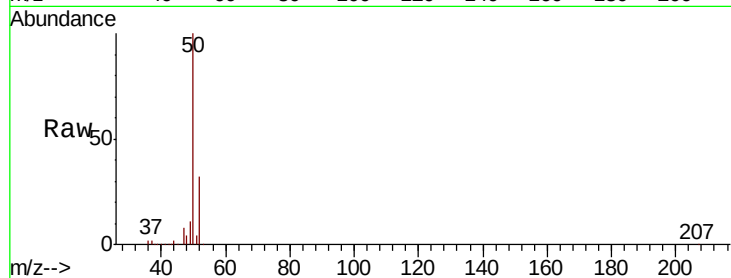
52 31.9 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.557 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058592.D

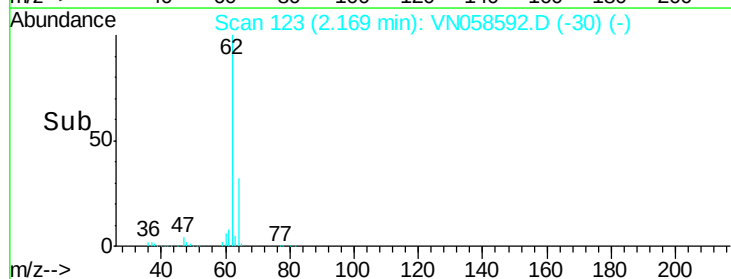
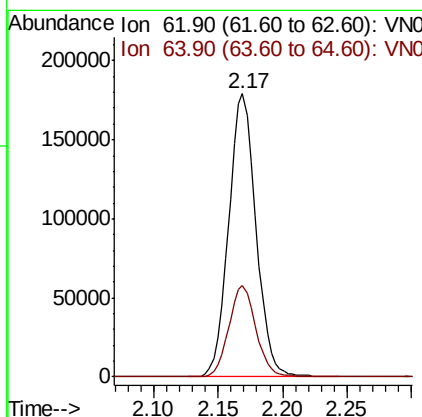
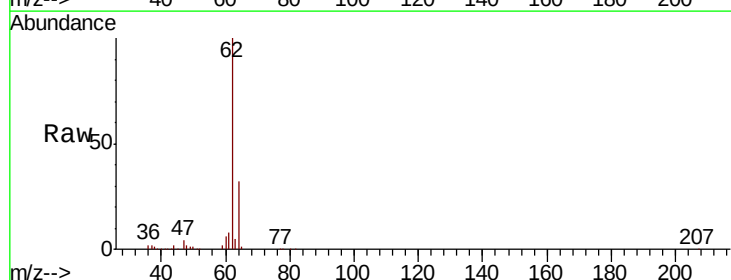
Acq: 8 Oct 2019 00:52

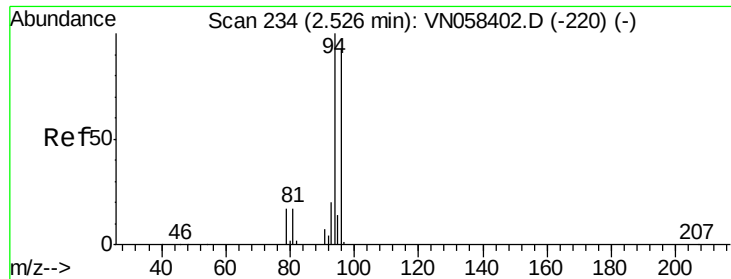
Tgt Ion: 62 Resp: 263148

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 50.109 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

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Tot Ion: 94 Resp: 133264

Ion Ratio Lower Upper

94 100

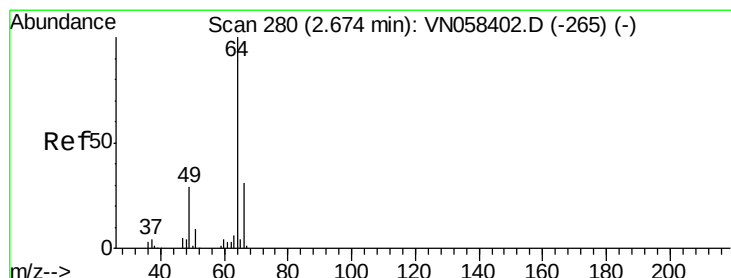
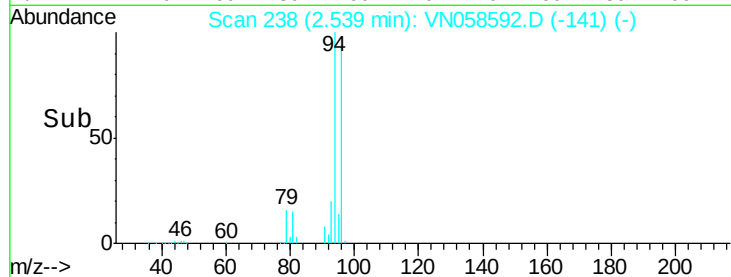
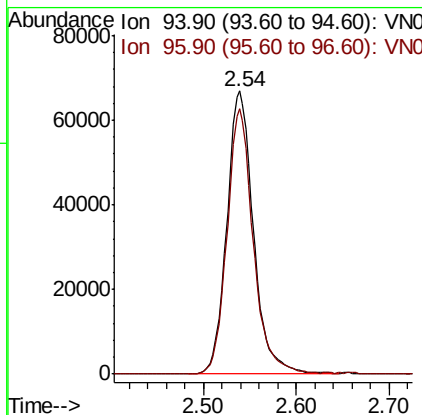
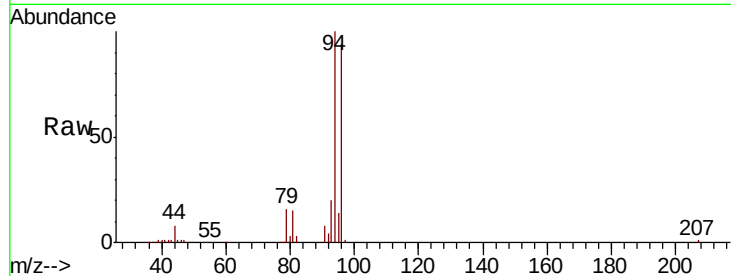
96 93.9 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 54.288 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058592.D

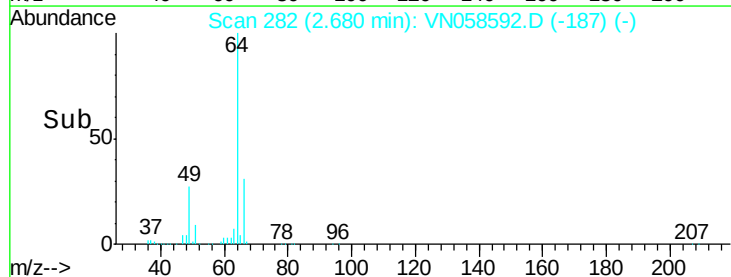
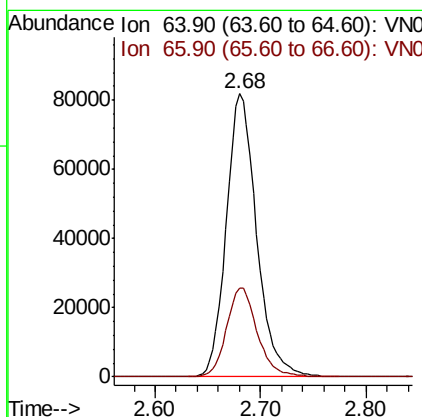
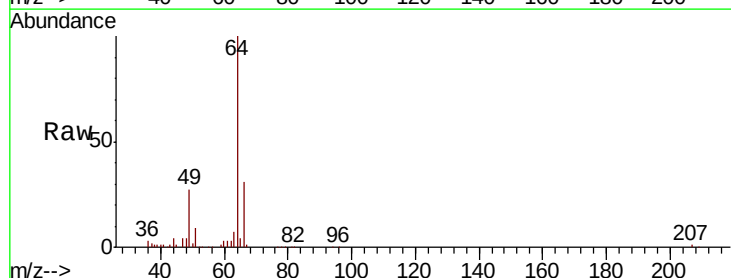
Acq: 8 Oct 2019 00:52

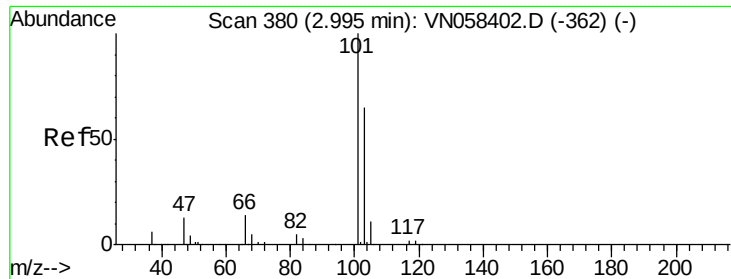
Tgt Ion: 64 Resp: 162866

Ion Ratio Lower Upper

64 100

66 31.3 24.4 36.6





#7

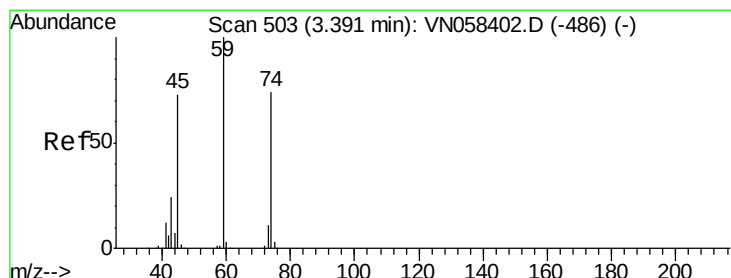
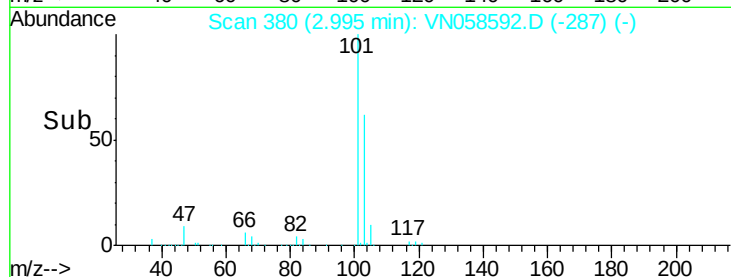
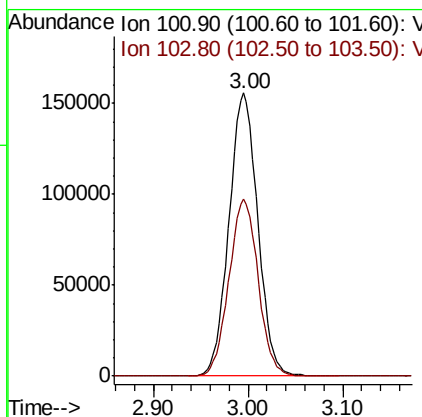
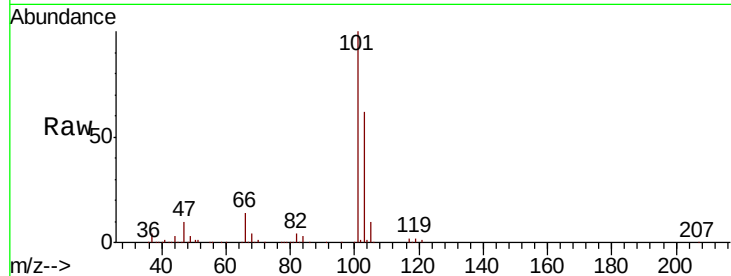
Trichlorofluoromethane
 Concen: 54.539 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058592.D
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 MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.3	78.5

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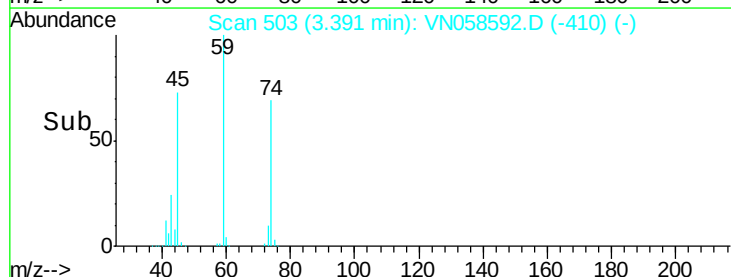
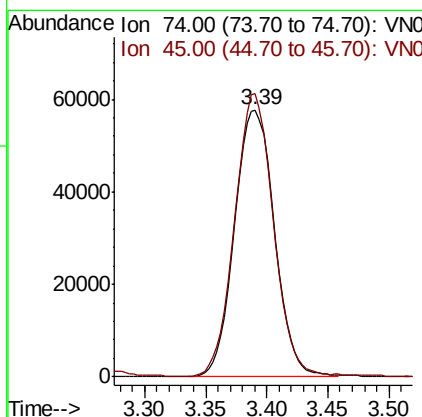
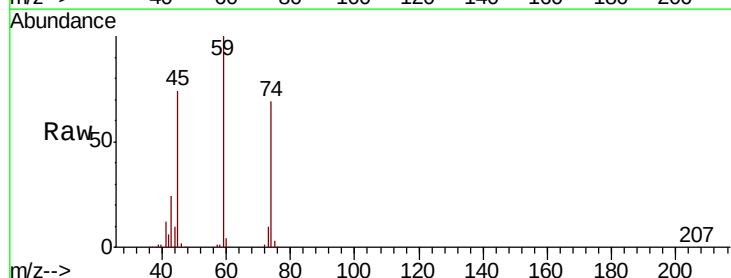
MMDadoda
 10/9/2019 10:50:53 AM

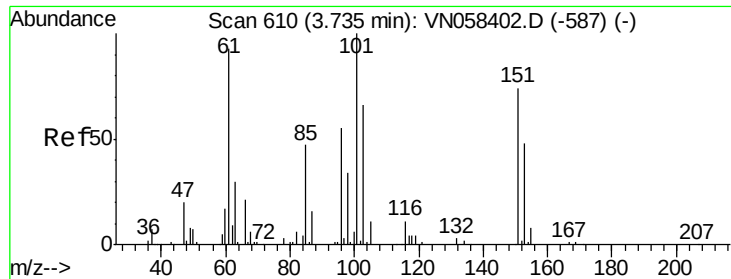


#8

Diethyl Ether
 Concen: 50.184 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.262 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

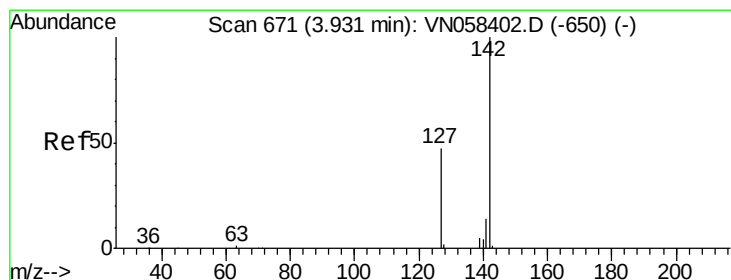
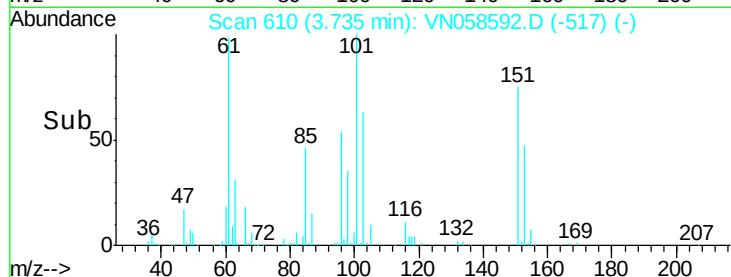
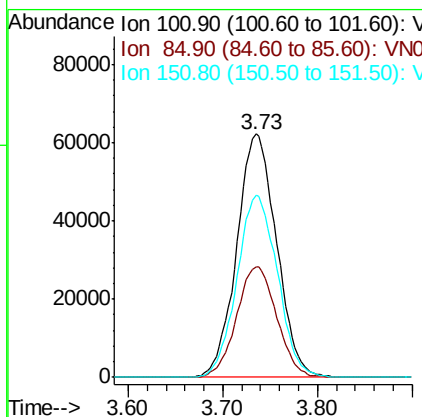
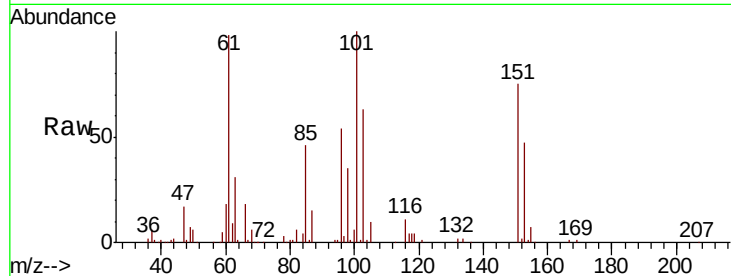
ClientSampleId :

MW-28B_100219MS

Tot Ion:	101	Resp:	181629
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.7	55.1
151	76.3	59.4	89.0

Manual Integrations
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10/9/2019 10:50:53 AM



#10

Methyl Iodide

Concen: 43.617 ug/l

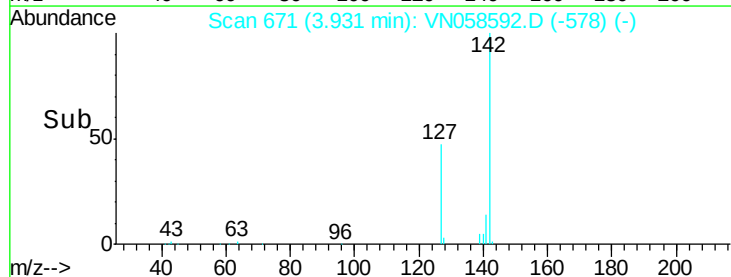
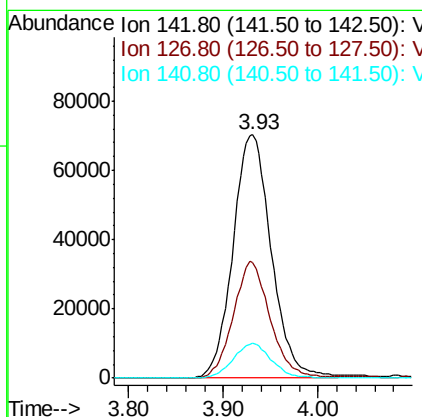
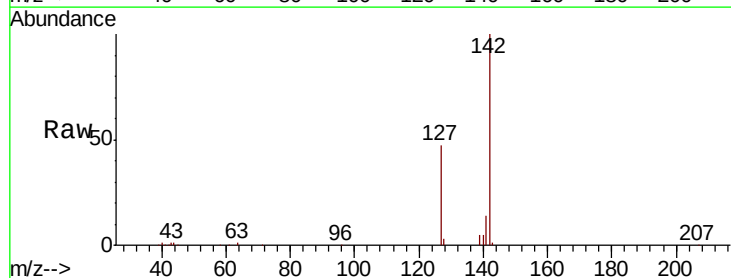
RT: 3.93 min Scan# 671

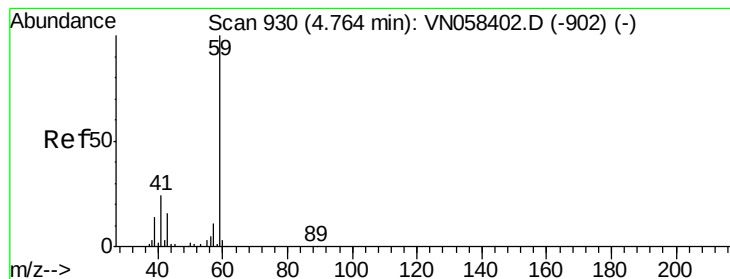
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion:	142	Resp:	198459
Ion Ratio	Lower	Upper	
142	100		
127	46.3	37.2	55.8
141	14.2	11.3	16.9





#11

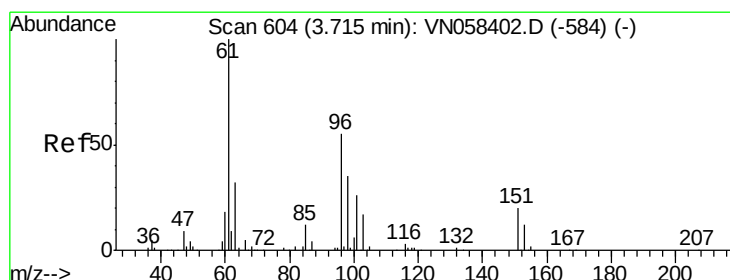
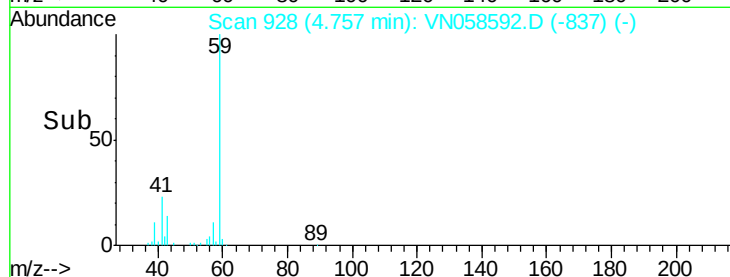
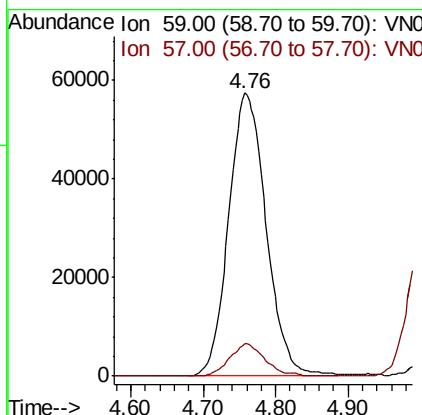
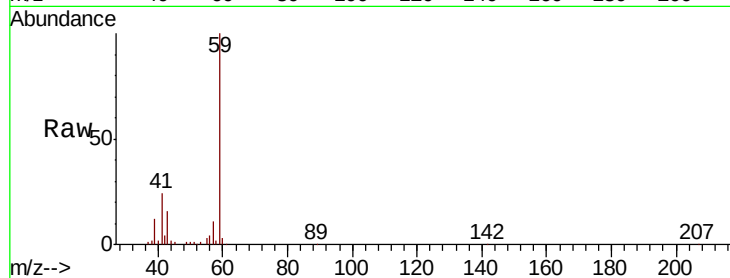
Tert butyl alcohol
 Concen: 300.042 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MS

Tot Ion	59	Resp	206527
Ion Ratio	100	Lower	Upper
57	10.8	9.0	13.4

Manual Integrations
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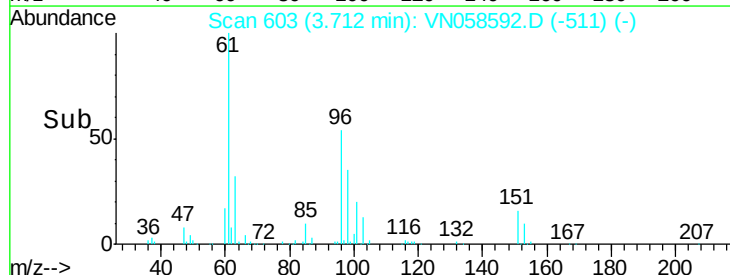
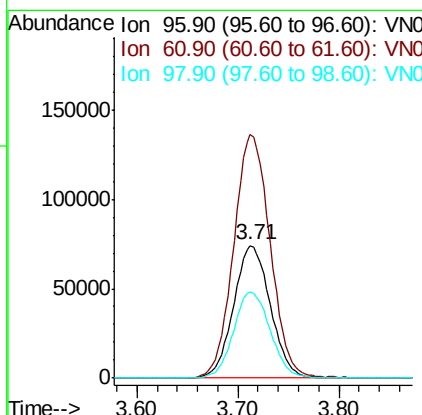
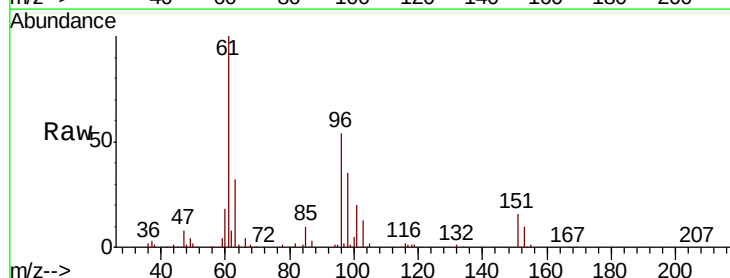
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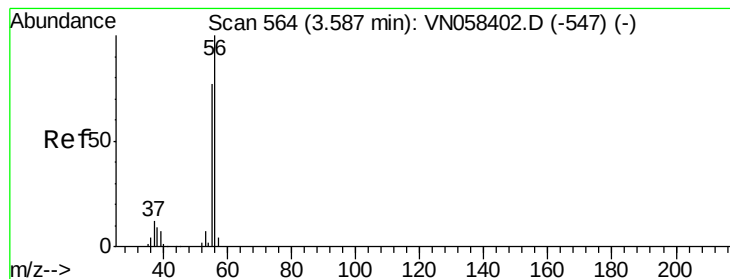


#12

1,1-Dichloroethene
 Concen: 46.865 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Tgt Ion	96	Resp	187448
Ion Ratio	100	Lower	Upper
61	183.6	146.7	220.1
98	64.9	51.3	76.9





#13

Acrolein

Concen: 302.578 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion: 56 Resp: 66243

Ion Ratio Lower Upper

56 100

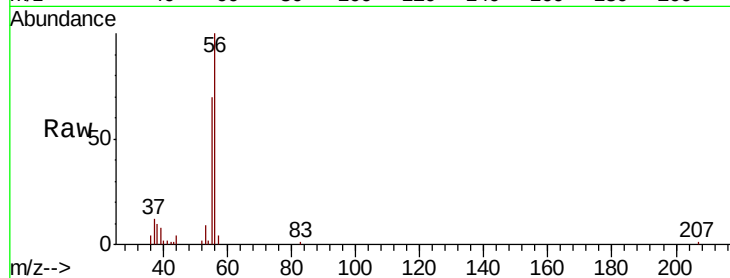
55 70.4 58.3 87.5

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

30000

25000

20000

15000

10000

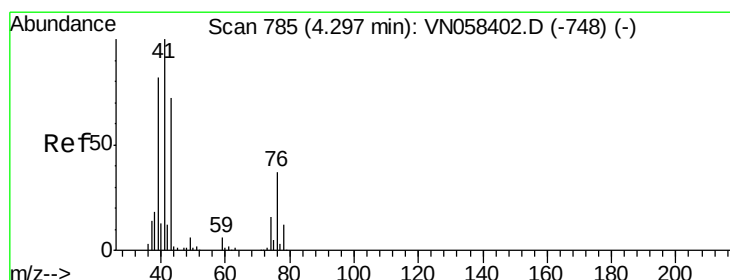
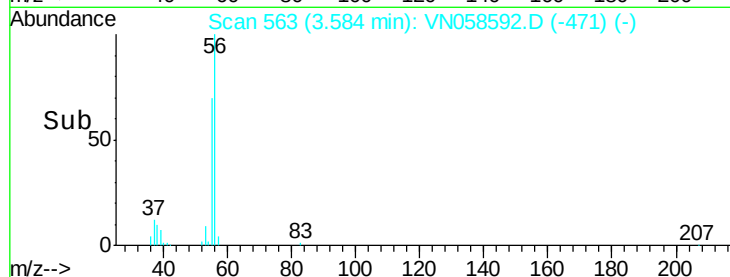
5000

0

Time-->

3.50 3.55 3.60 3.65

3.58



#14

Allyl chloride

Concen: 50.579 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

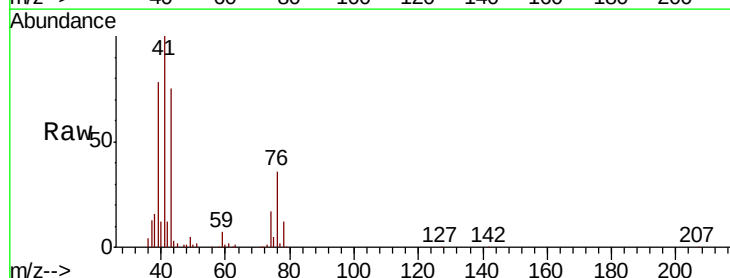
Tgt Ion: 41 Resp: 368162

Ion Ratio Lower Upper

41 100

39 72.2 62.3 93.5

76 32.4 26.9 40.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

150000

100000

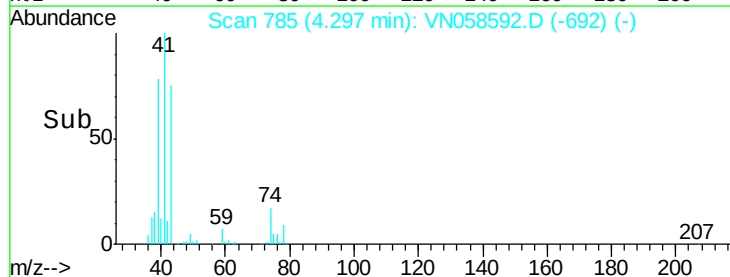
50000

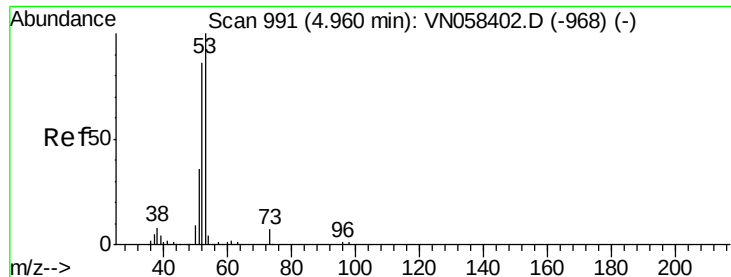
0

Time-->

4.10 4.20 4.30 4.40 4.50

4.30





#15

Acrylonitrile

Concen: 276.665 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

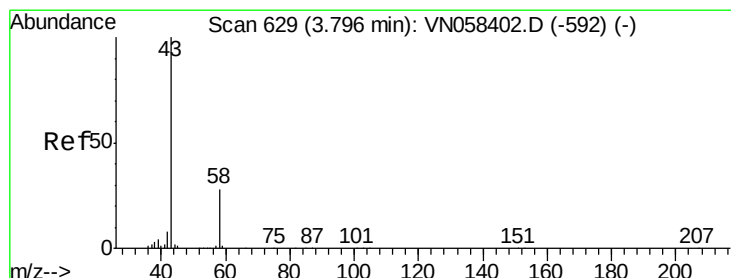
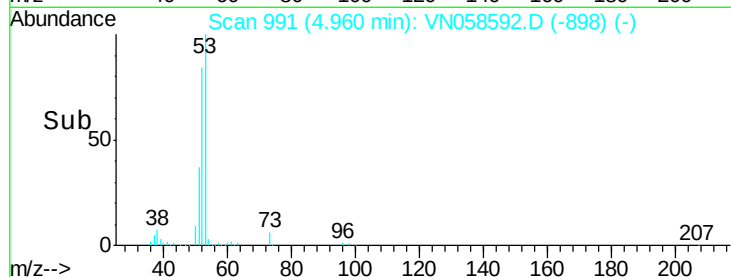
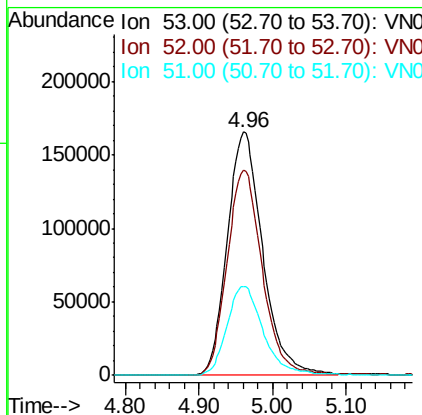
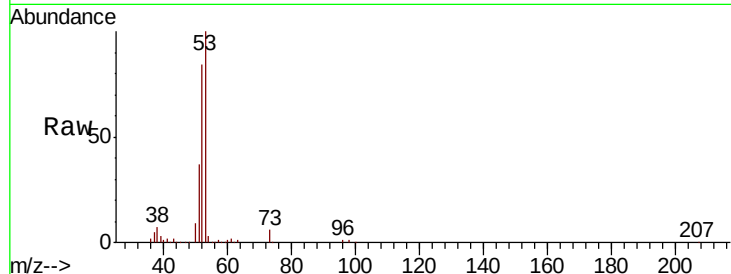
ClientSampleId :

MW-28B_100219MS

Tot Ion:	53	Resp:	555013
Ion Ratio		Lower	Upper
53	100		
52	83.8	66.6	100.0
51	37.4	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 232.519 ug/l

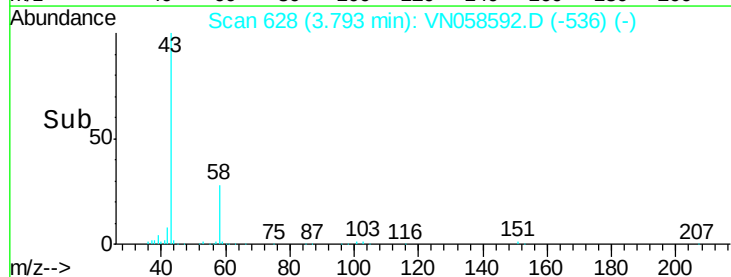
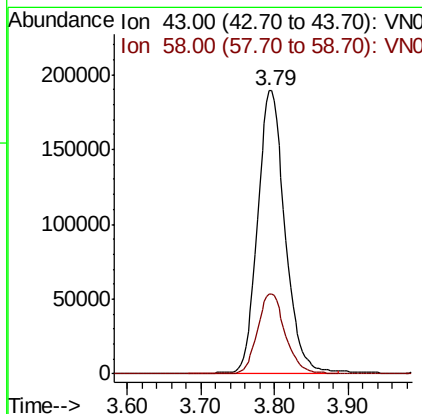
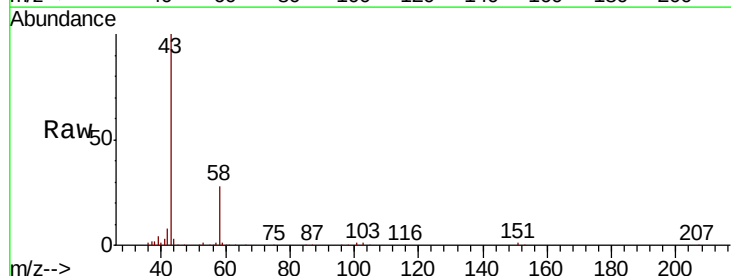
RT: 3.79 min Scan# 628

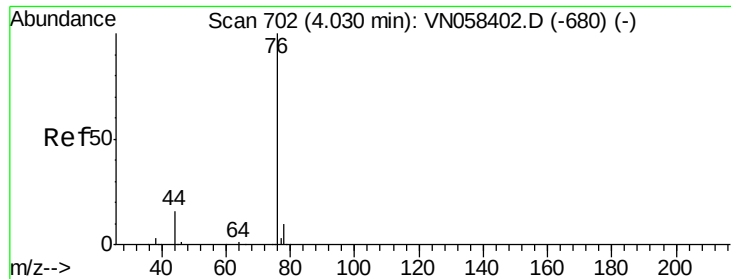
Delta R.T. -0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion:	43	Resp:	491117
Ion Ratio		Lower	Upper
43	100		
58	28.2	22.4	33.6





#17

Carbon Disulfide

Concen: 47.619 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion: 76 Resp: 502063

Ion Ratio Lower Upper

76 100

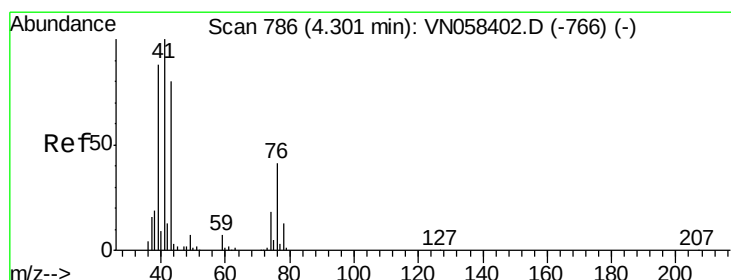
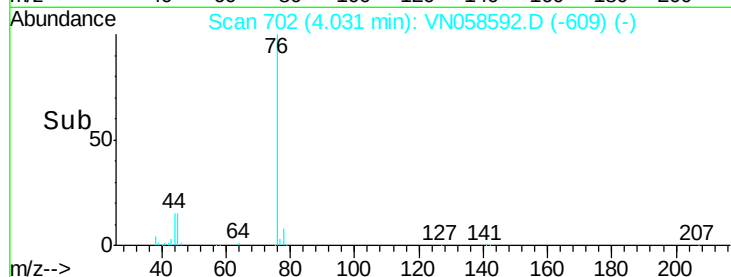
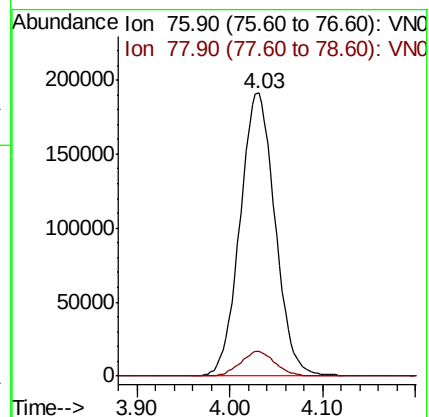
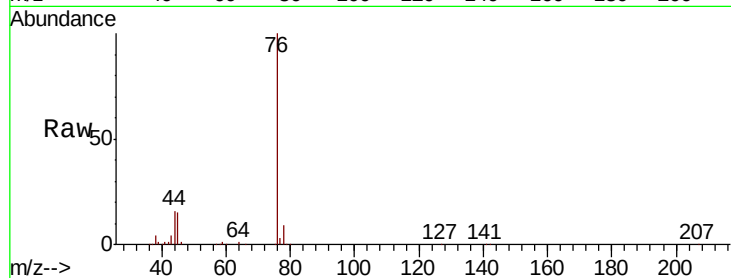
78 8.8 7.7 11.5

Manual Integrations

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#18

Methyl Acetate

Concen: 48.833 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058592.D

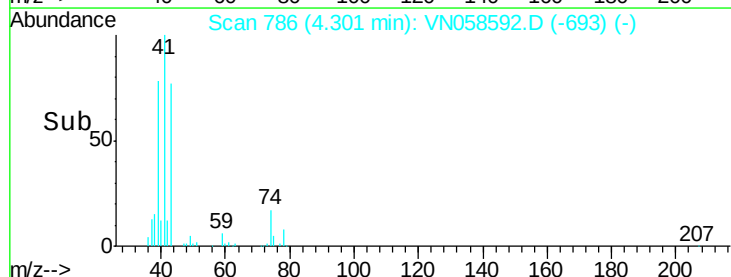
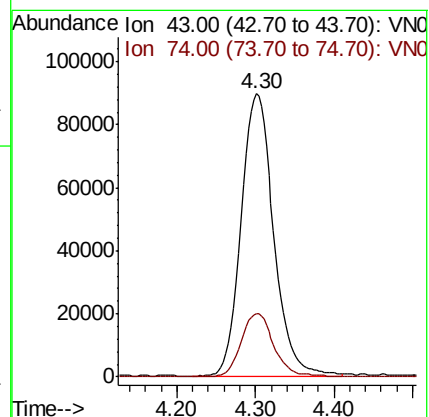
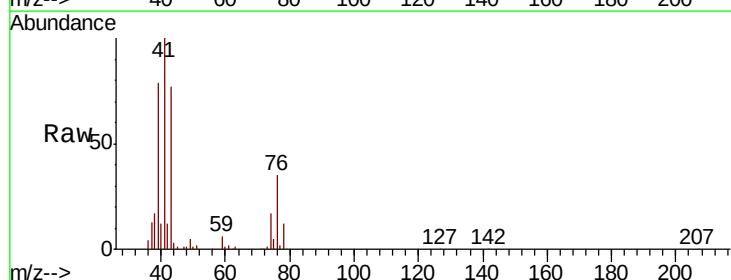
Acq: 8 Oct 2019 00:52

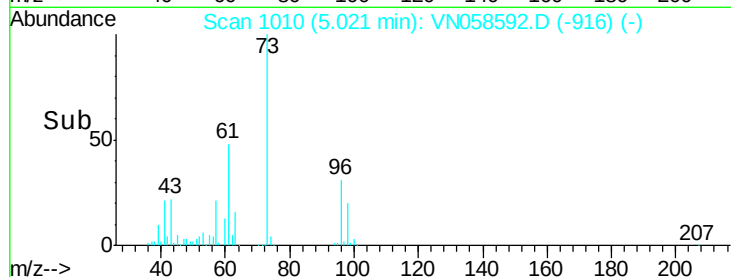
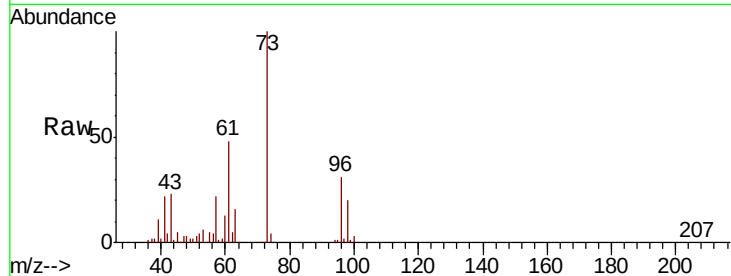
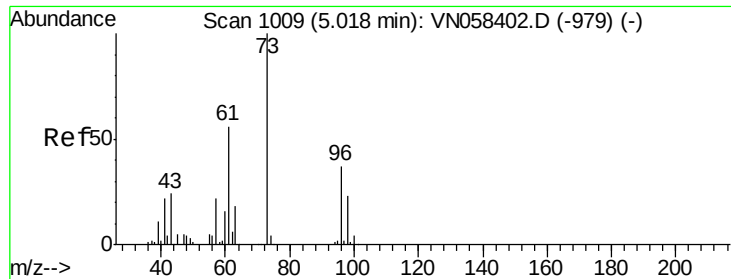
Tgt Ion: 43 Resp: 259419

Ion Ratio Lower Upper

43 100

74 22.6 18.0 27.0





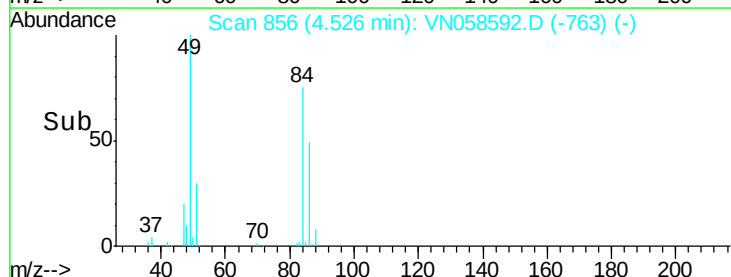
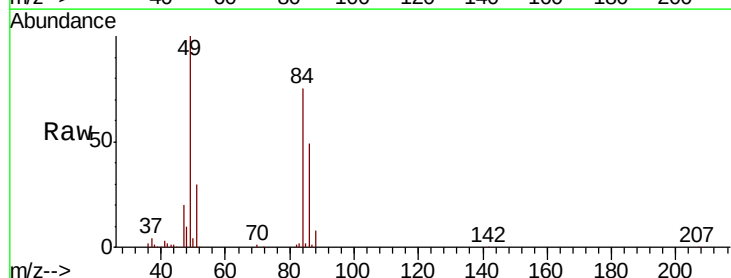
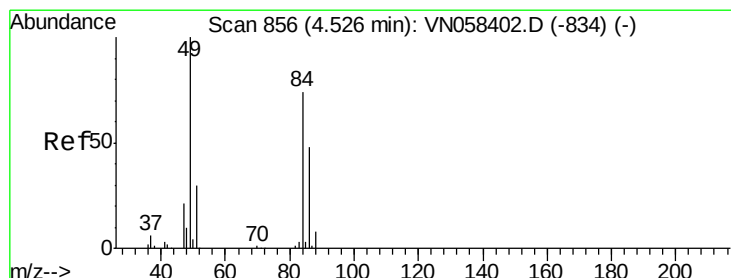
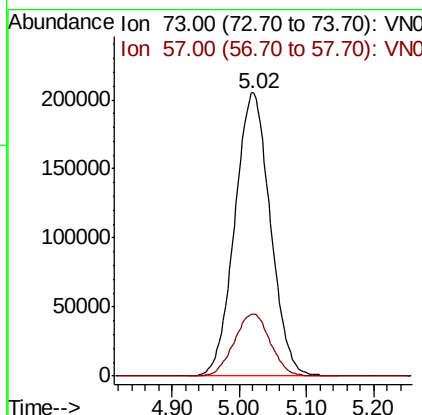
#19
Methyl tert-butyl Ether
Concen: 53.300 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tot Ion: 73 Resp: 752205
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MS

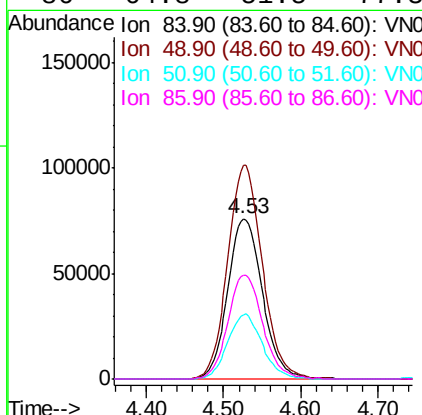
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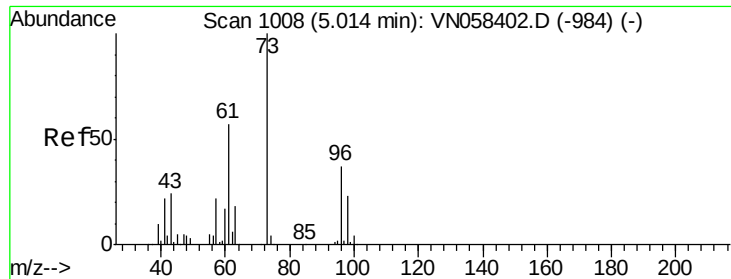
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#20
Methylene Chloride
Concen: 48.649 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 84 Resp: 237128
Ion Ratio Lower Upper
84 100
49 133.3 107.9 161.9
51 40.4 32.8 49.2
86 64.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 47.607 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

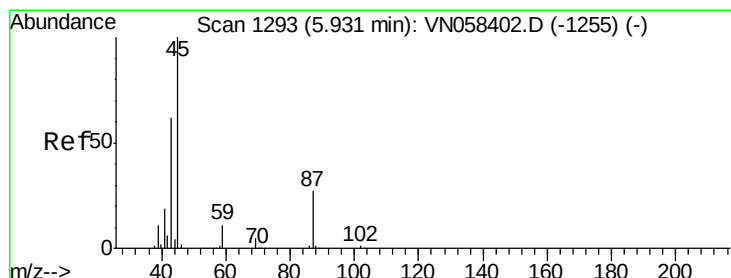
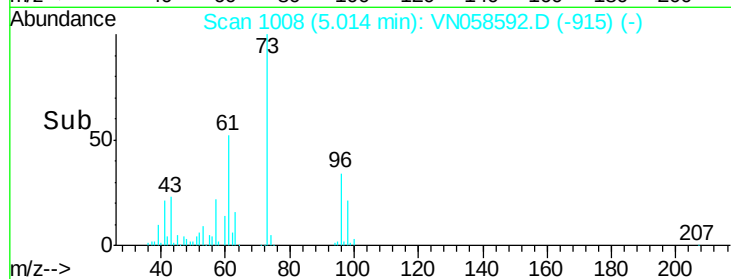
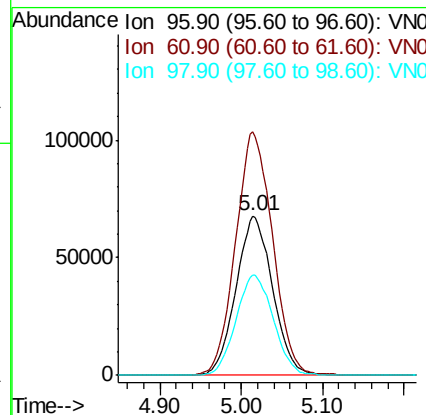
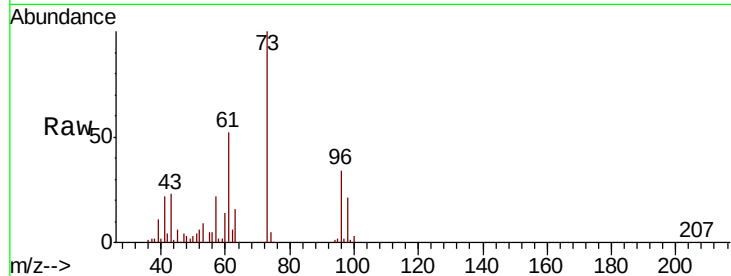
ClientSampleId :

MW-28B_100219MS

Tot Ion:	96	Resp:	211748
Ion	Ratio	Lower	Upper
96	100		
61	152.4	121.9	182.9
98	62.9	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.820 ug/l

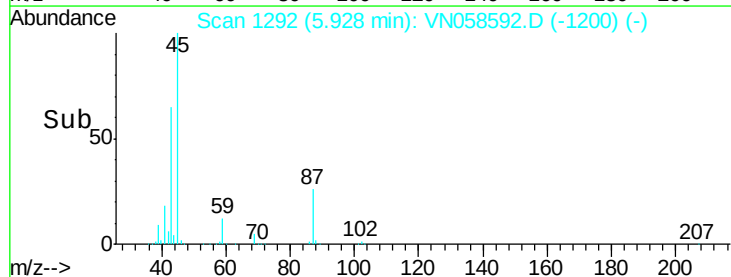
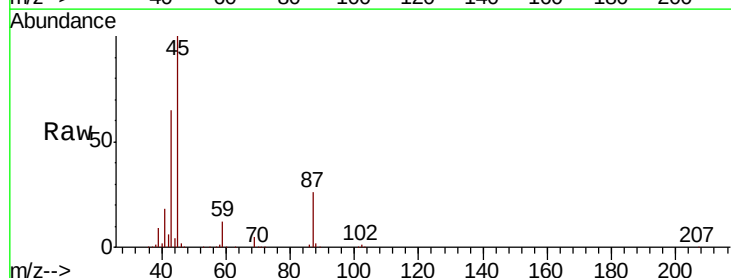
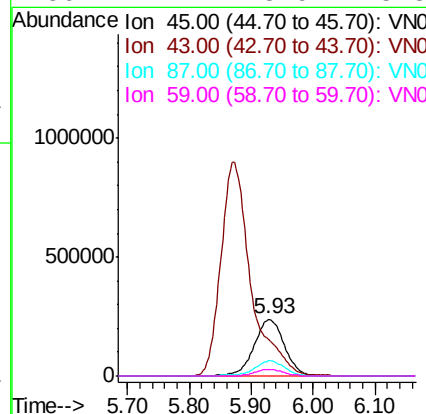
RT: 5.93 min Scan# 1292

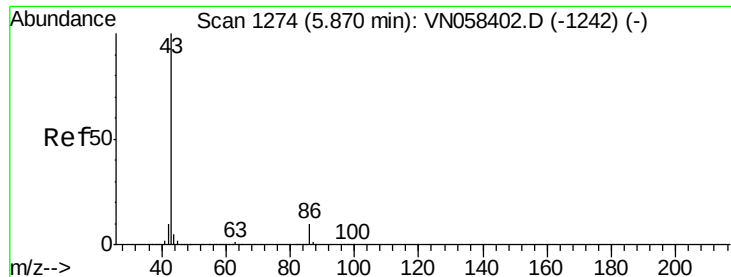
Delta R.T. -0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion:	45	Resp:	811692
Ion	Ratio	Lower	Upper
45	100		
43	64.1	49.7	74.5
87	26.4	21.5	32.3
59	11.7	8.9	13.3





#23

Vinyl Acetate

Concen: 257.488 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion: 43 Resp: 3041091

Ion Ratio Lower Upper

43 100

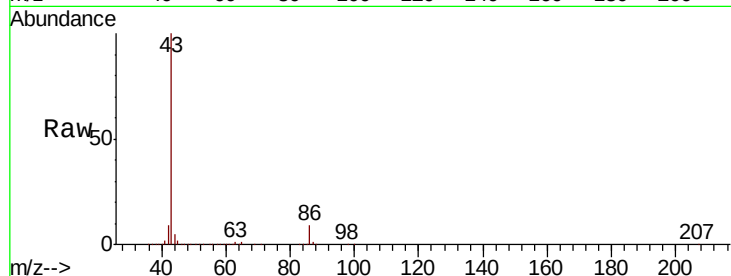
86 9.5 7.7 11.5

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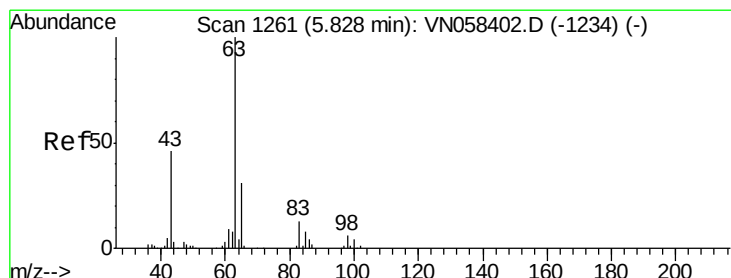
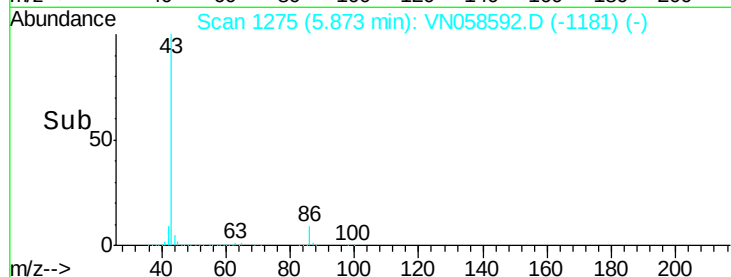
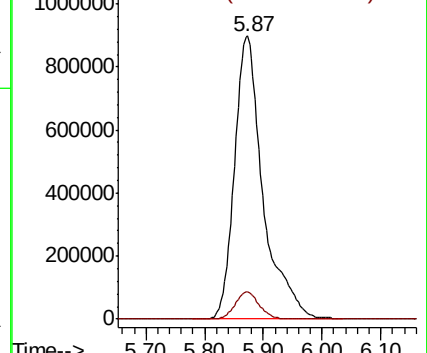
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.183 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

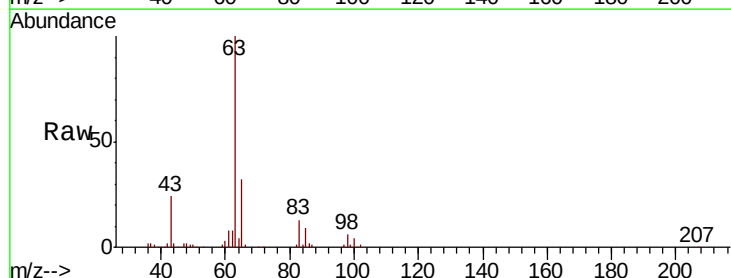
Tgt Ion: 63 Resp: 451198

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

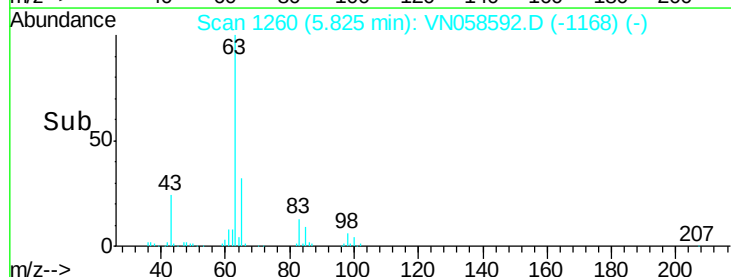
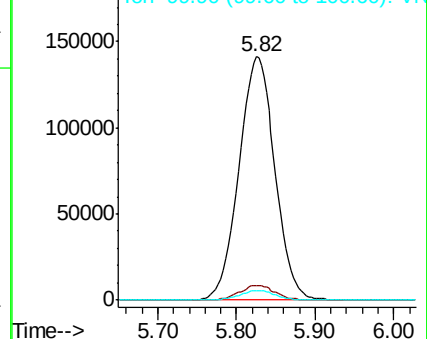
100 4.0 2.0 5.8

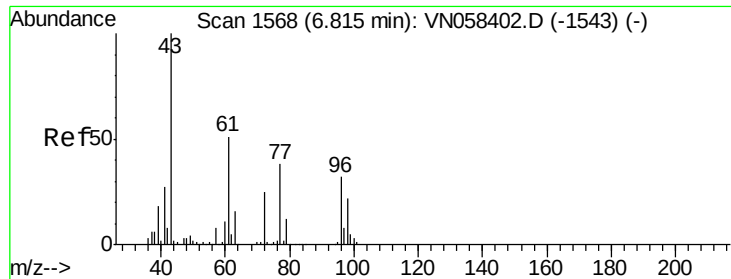


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 254.648 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion: 43 Resp: 738460

Ion Ratio Lower Upper

43 100

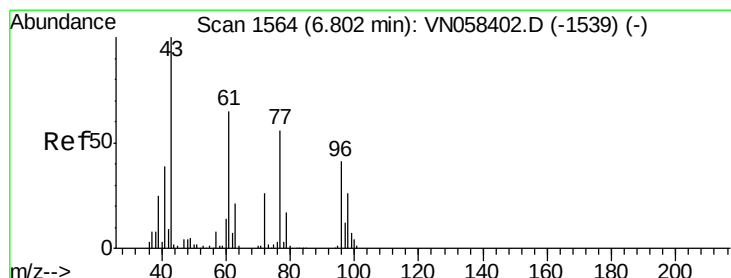
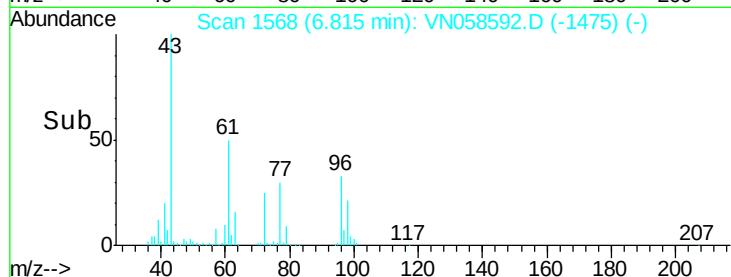
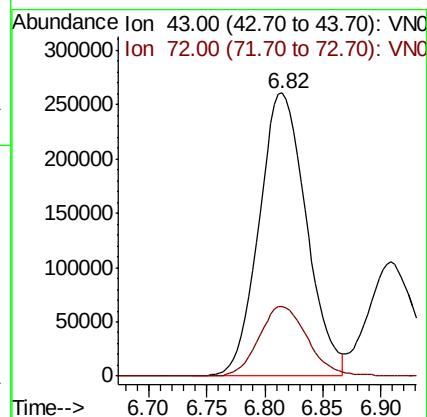
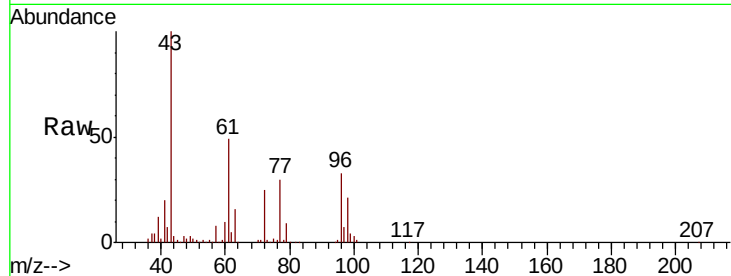
72 24.8 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 39.412 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058592.D

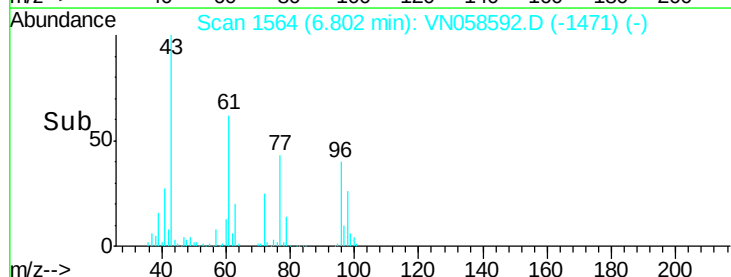
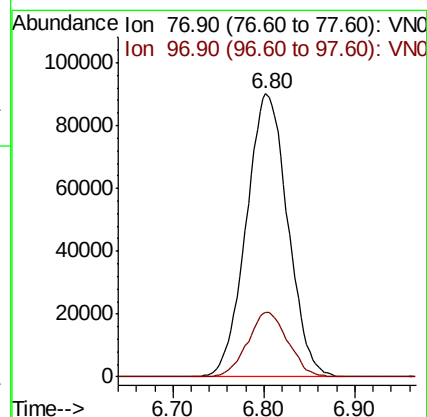
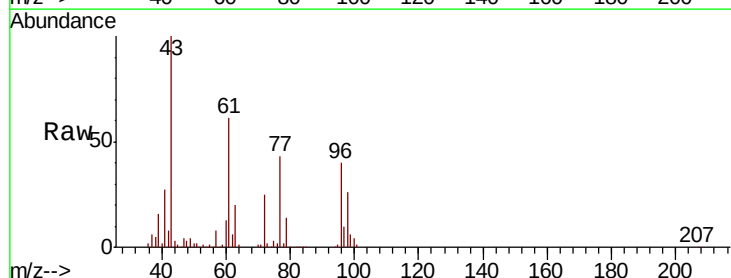
Acq: 8 Oct 2019 00:52

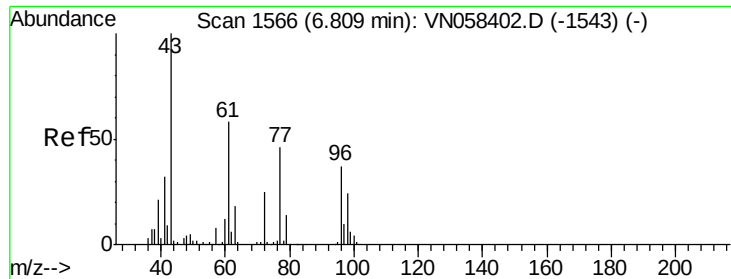
Tgt Ion: 77 Resp: 285627

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 50.566 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

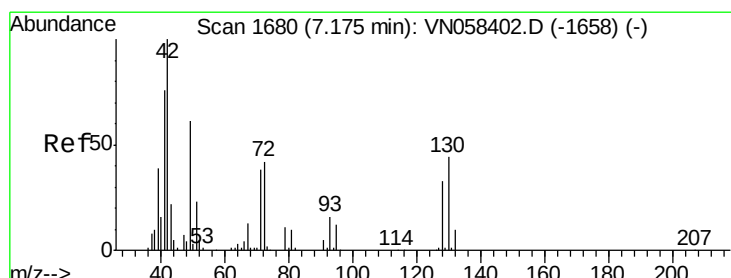
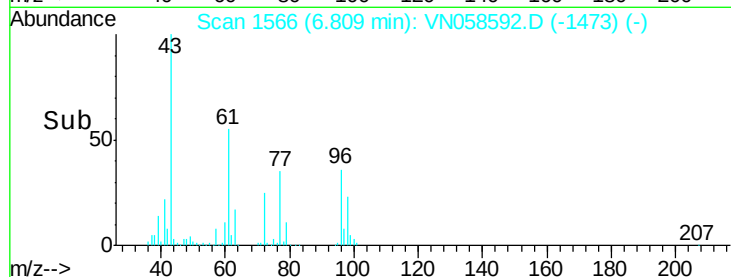
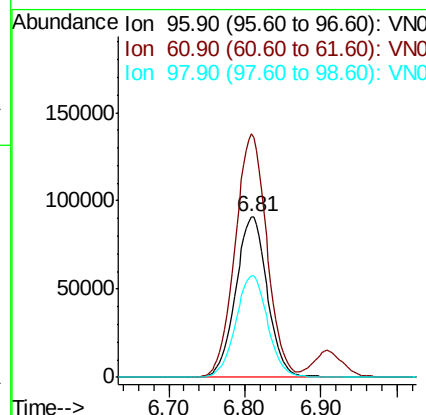
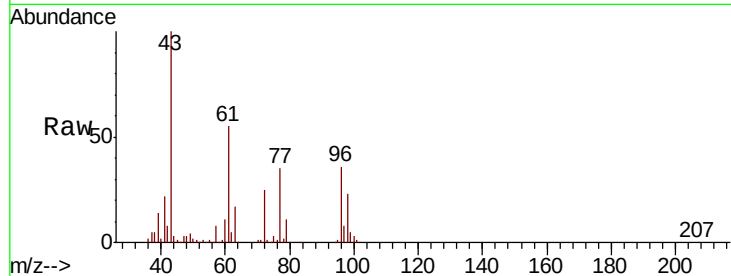
ClientSampleId :

MW-28B_100219MS

Tot Ion:	96	Resp:	262864
Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	318.8
98	63.7	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 51.616 ug/l

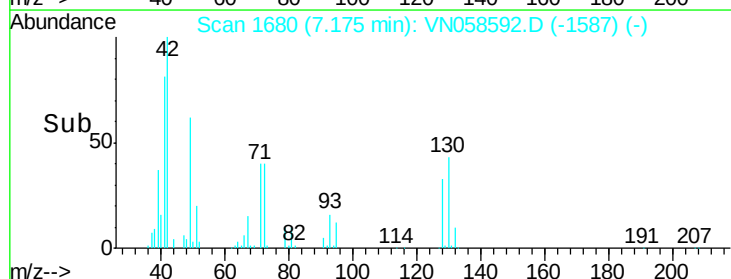
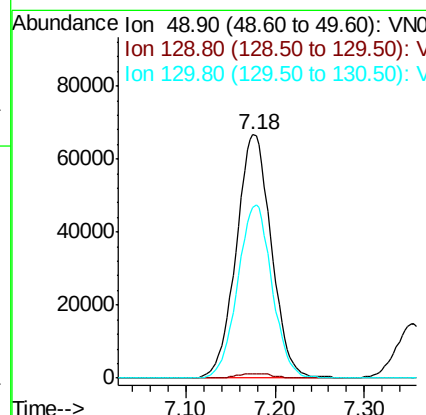
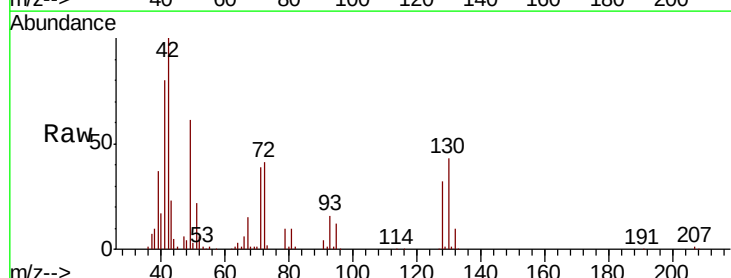
RT: 7.18 min Scan# 1680

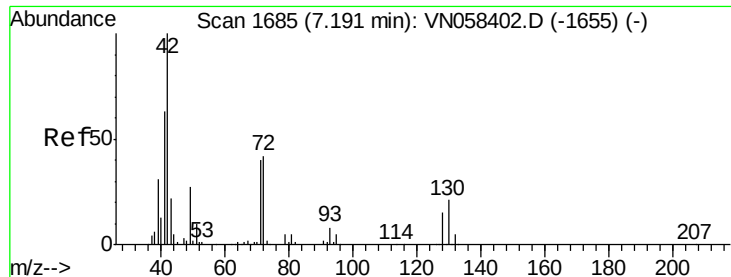
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion:	49	Resp:	181882
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	69.5	56.3	84.5





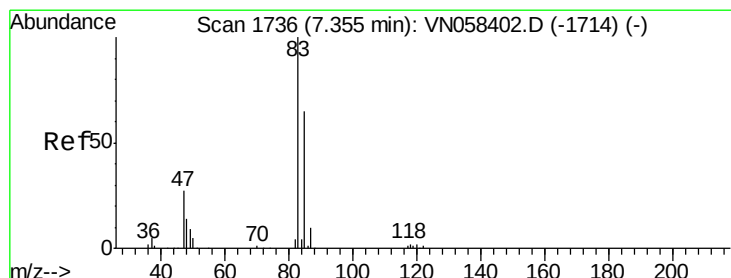
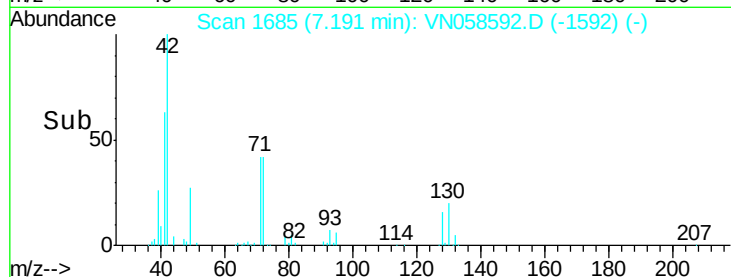
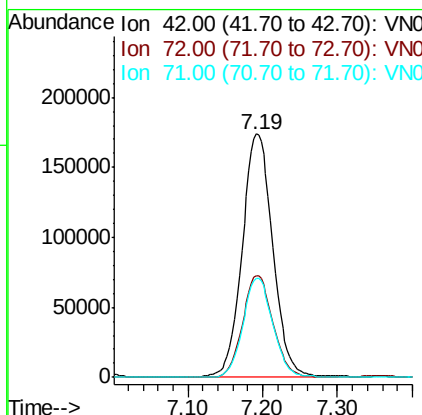
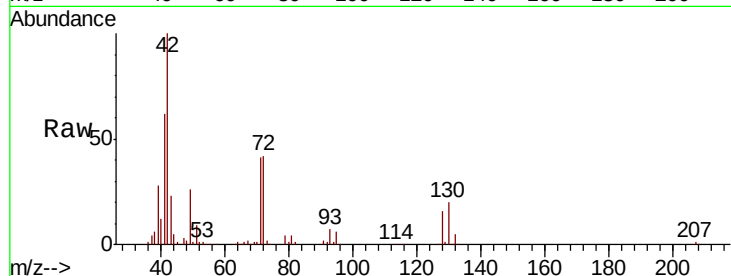
#29
Tetrahydrofuran
Concen: 267.805 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	39.9	31.8	47.6

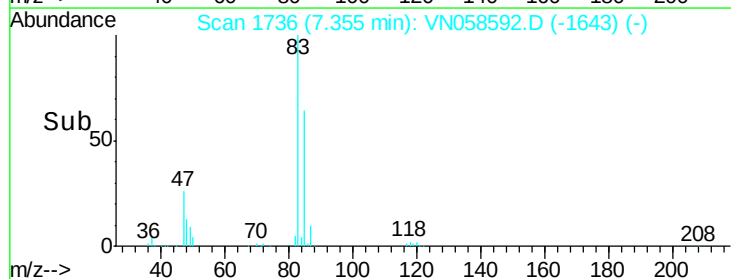
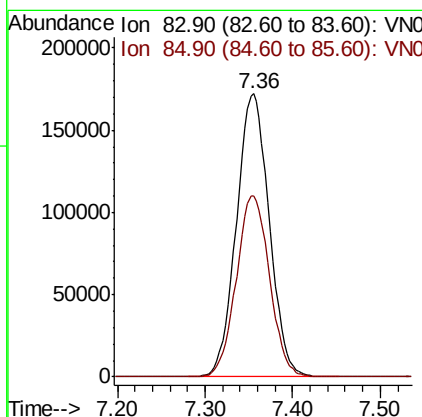
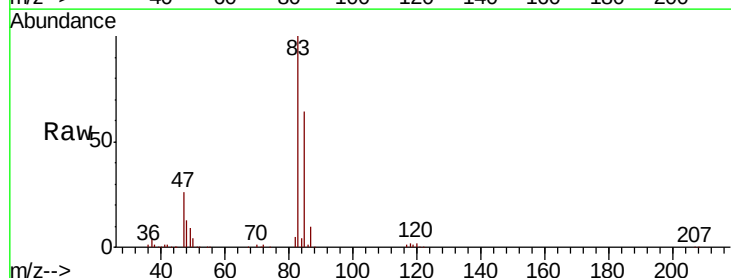
Manual Integrations
APPROVED

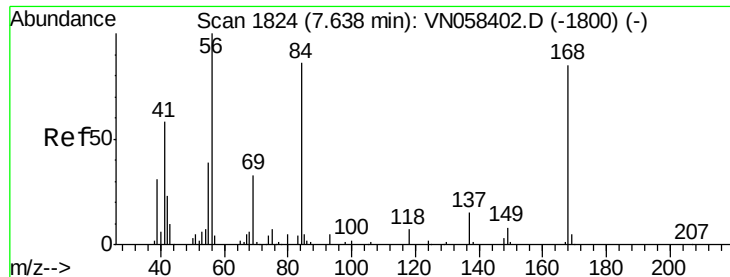
MMDadoda
10/9/2019 10:50:53 AM



#30
Chloroform
Concen: 50.290 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.0	78.0





#31

Cyclohexane

Concen: 42.527 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

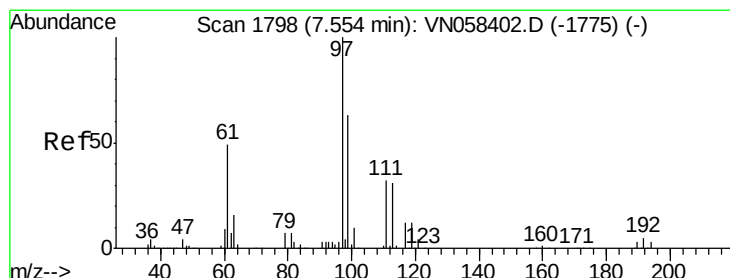
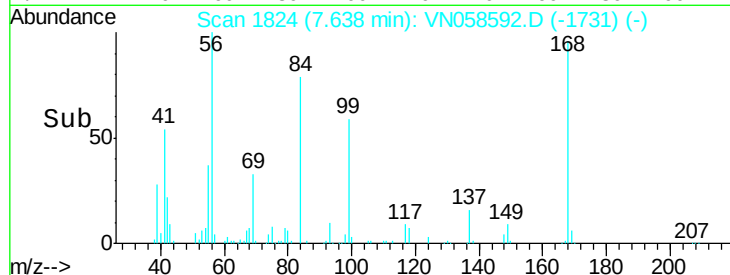
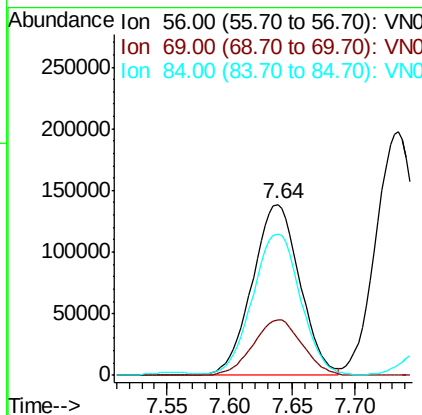
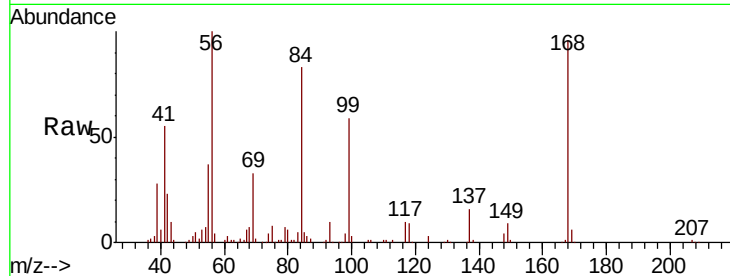
ClientSampleId :

MW-28B_100219MS

Tot Ion	56	Resp	364667
Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.2	39.4
84	81.8	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.121 ug/l

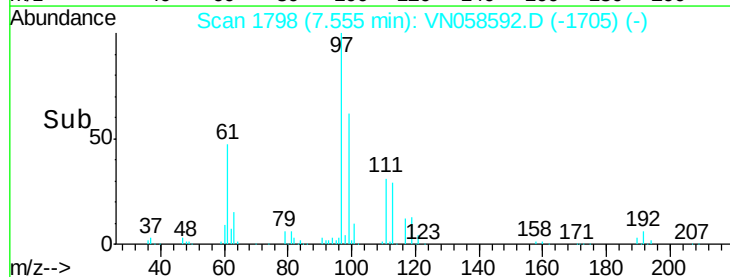
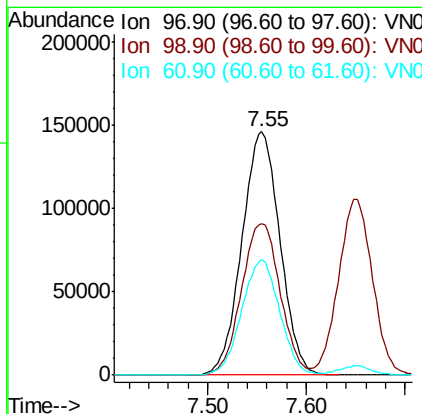
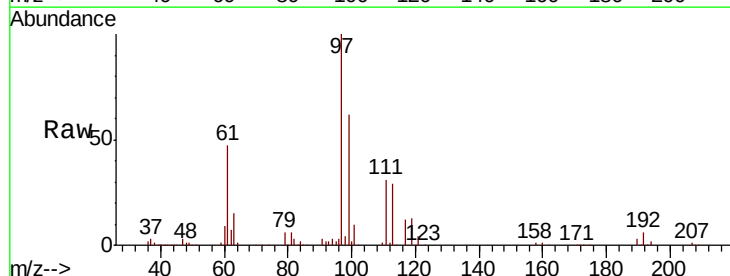
RT: 7.55 min Scan# 1798

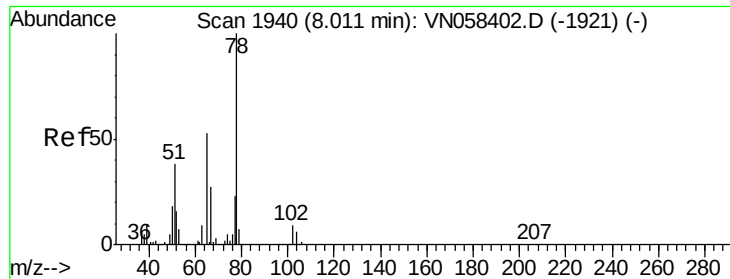
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion	97	Resp	389674
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.1	76.7
61	47.3	39.2	58.8





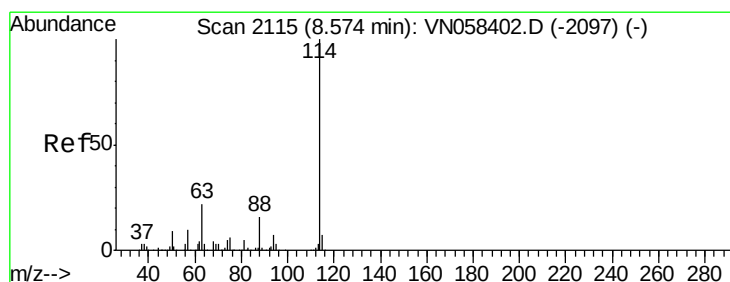
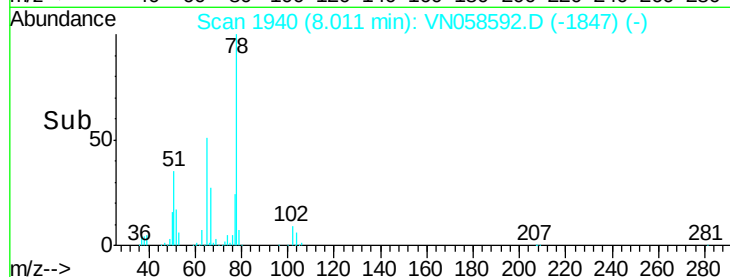
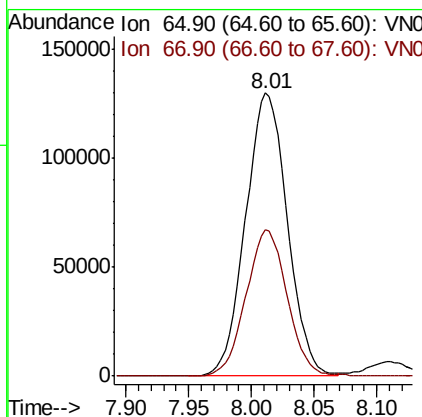
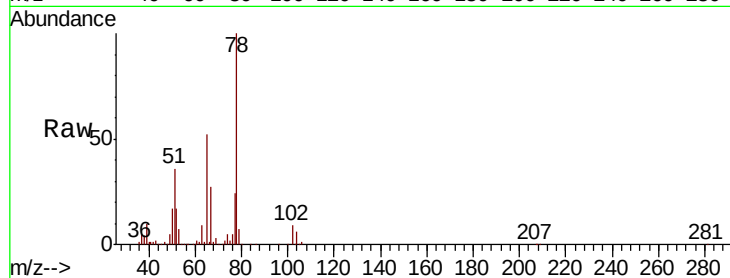
#33
 1,2-Dichloroethane-d4
 Concen: 48.612 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.4

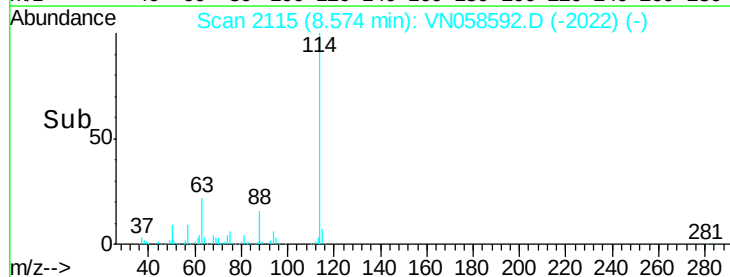
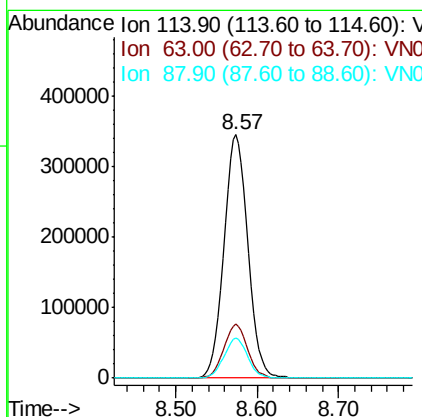
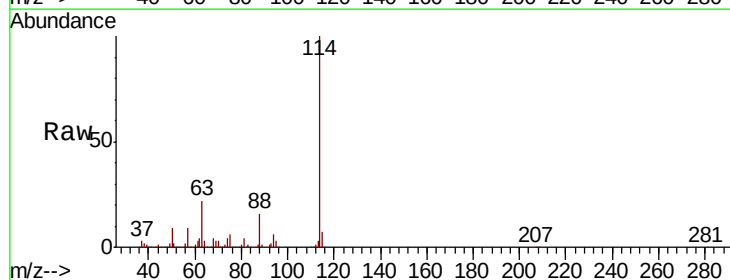
Manual Integrations
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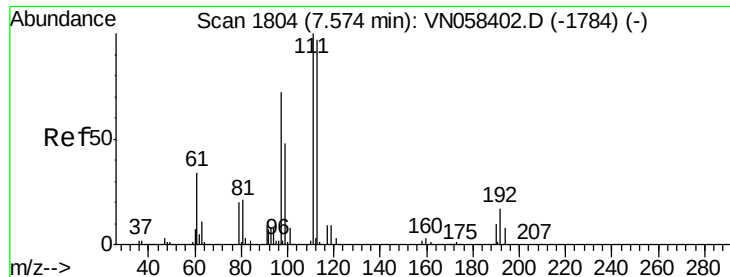
MMDadoda
 10/9/2019 10:50:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	45.0
88	16.4	0.0	32.2





#35

Dibromofluoromethane

Concen: 49.796 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

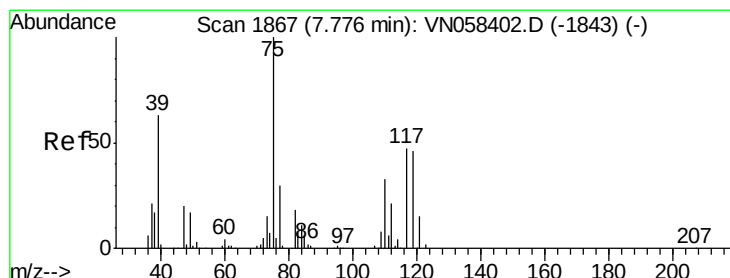
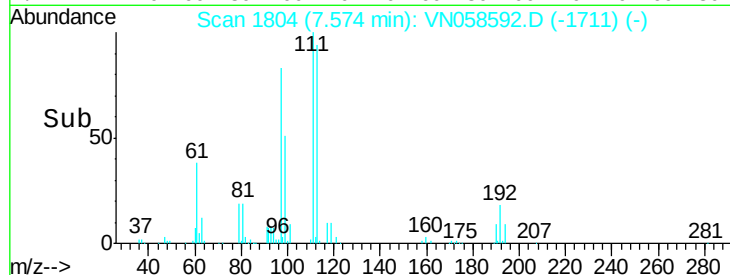
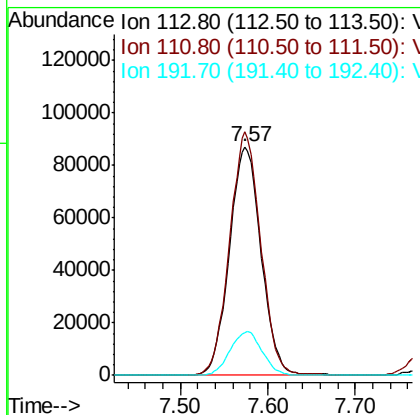
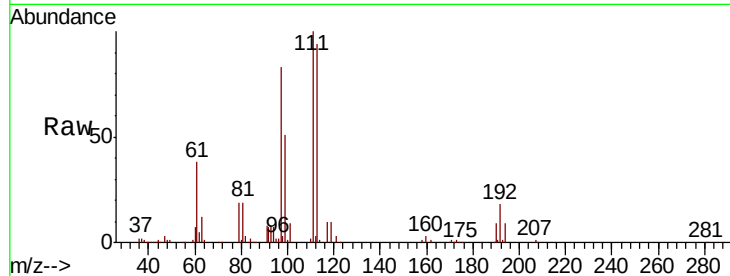
ClientSampleId :

MW-28B_100219MS

Tot Ion:	113	Resp:	219291
Ion Ratio	Lower	Upper	
113	100		
111	104.0	83.4	125.2
192	19.4	14.9	22.3

Manual Integrations
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10/9/2019 10:50:53 AM



#36

1,1-Dichloropropene

Concen: 47.220 ug/l

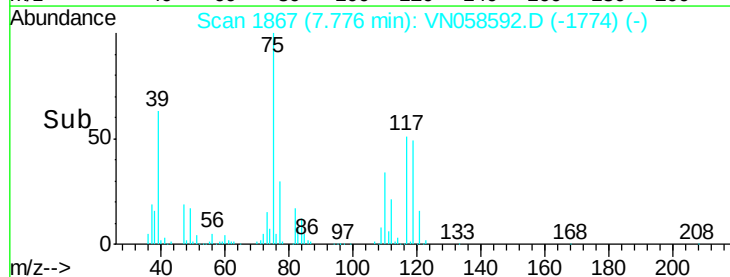
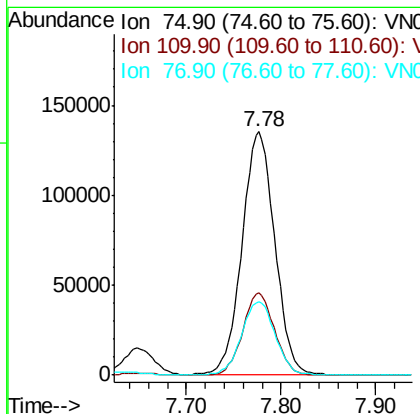
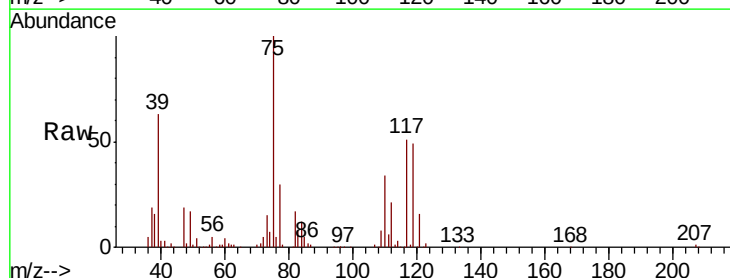
RT: 7.78 min Scan# 1867

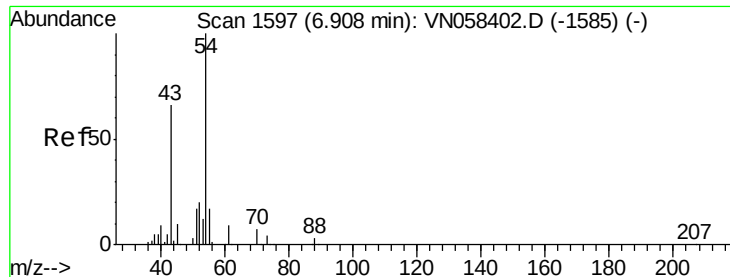
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion:	75	Resp:	324426
Ion Ratio	Lower	Upper	
75	100		
110	33.0	16.4	49.2
77	31.3	24.3	36.5





#37

Ethyl Acetate

Concen: 51.114 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

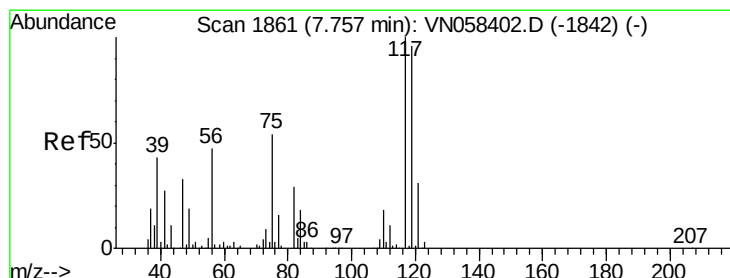
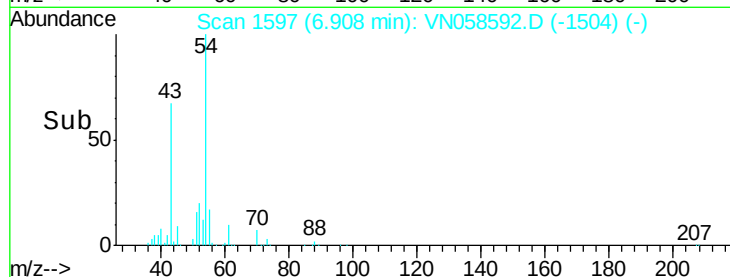
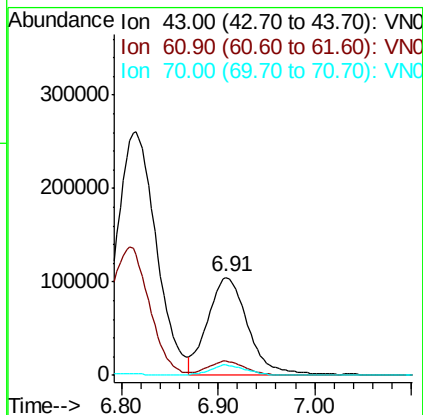
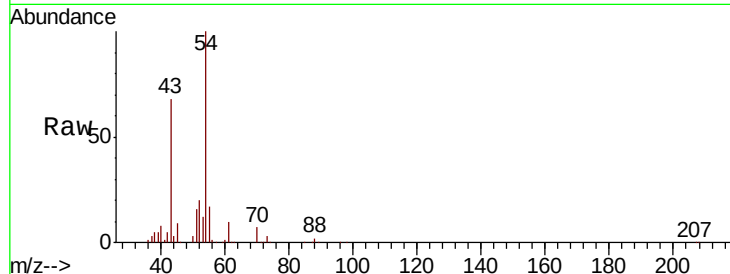
ClientSampleId :

MW-28B_100219MS

Tot Ion:	43	Resp:	297740
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	9.6	7.8	11.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 53.373 ug/l

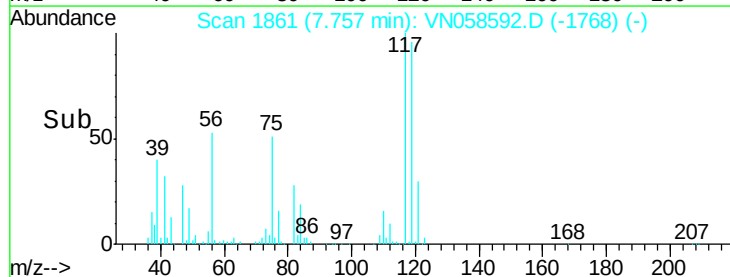
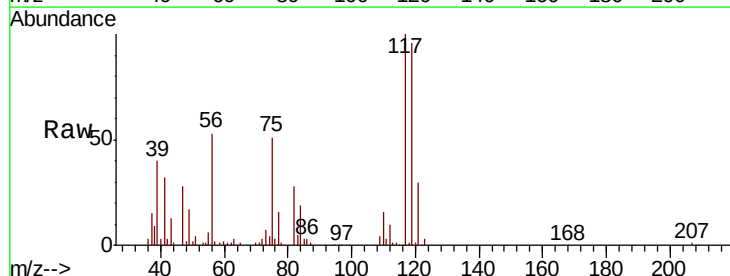
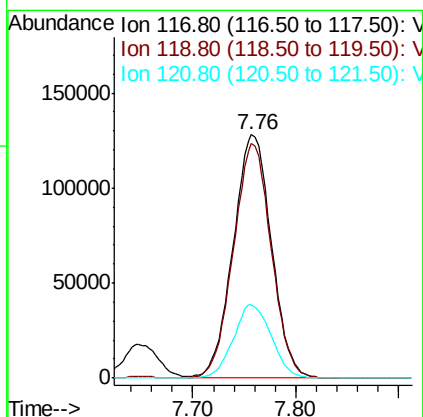
RT: 7.76 min Scan# 1861

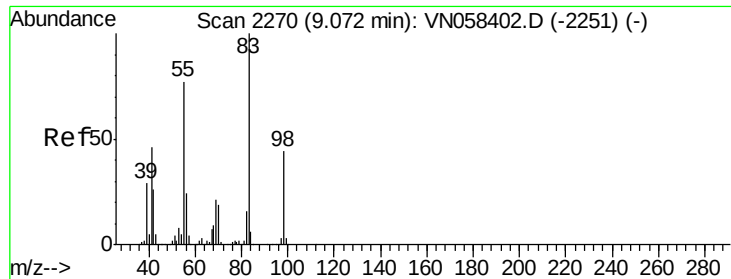
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion:	117	Resp:	330996
Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.6	115.0
121	30.3	24.7	37.1





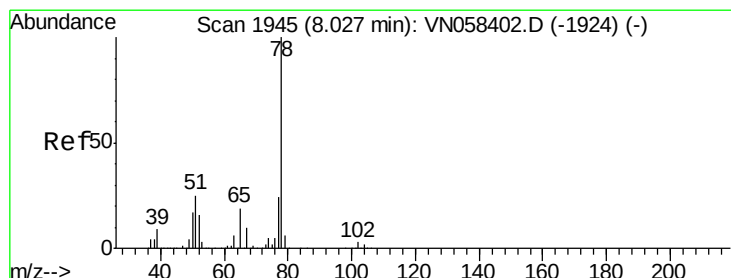
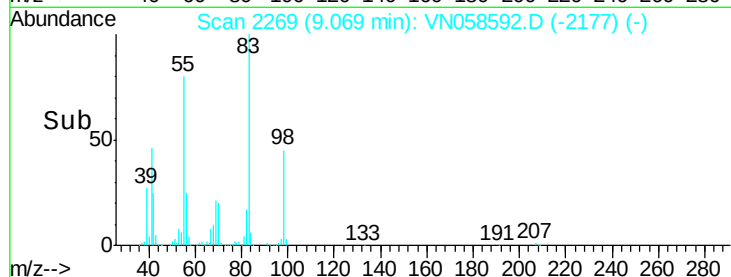
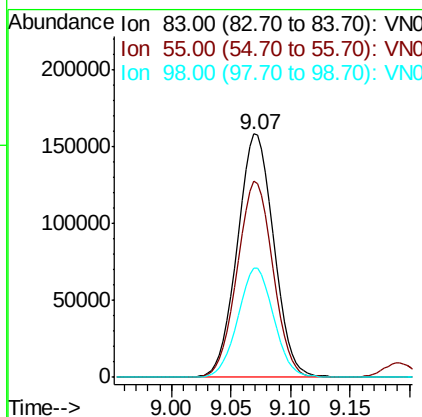
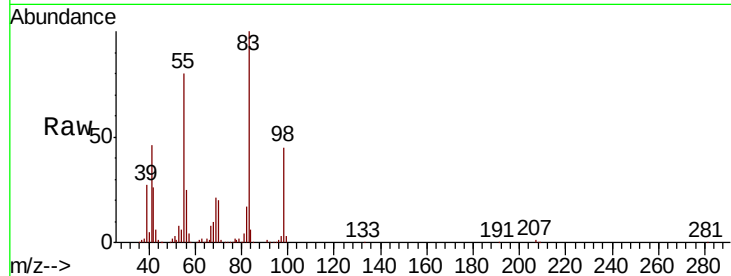
#39
Methylvlcyclohexane
Concen: 41.886 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	61.8	92.6
98	45.0	35.4	53.0

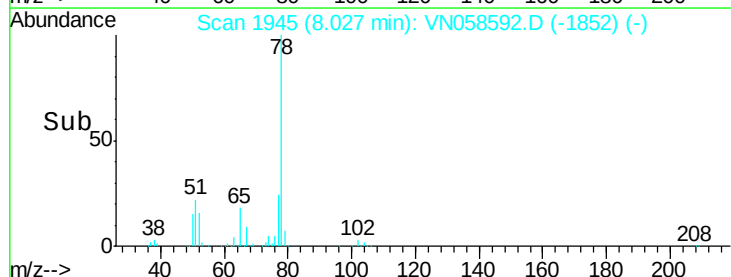
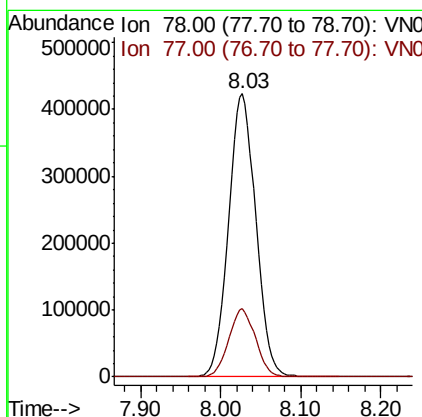
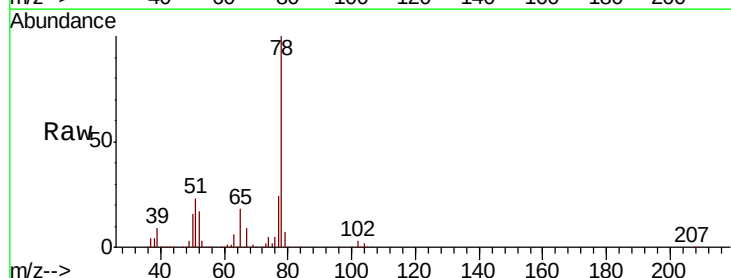
Manual Integrations
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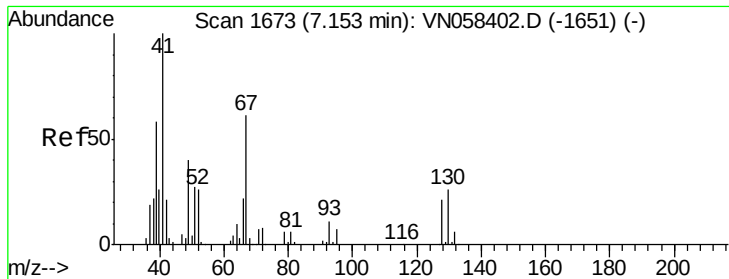
MMDadoda
10/9/2019 10:50:53 AM



#40
Benzene
Concen: 49.696 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





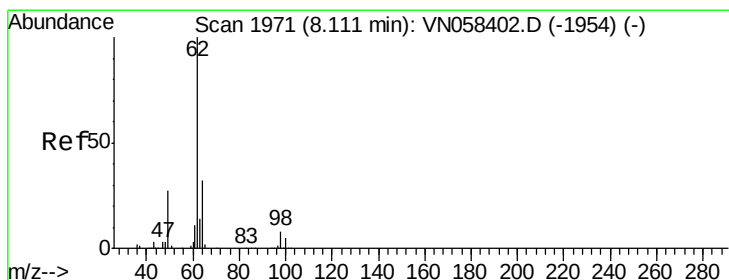
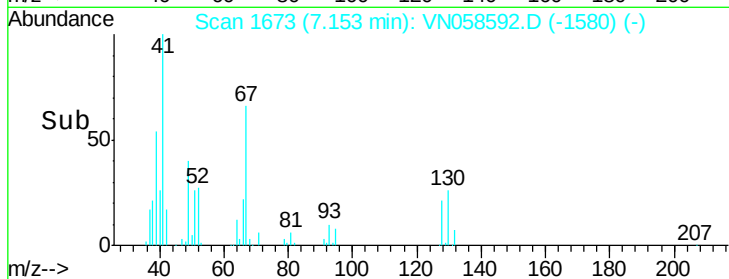
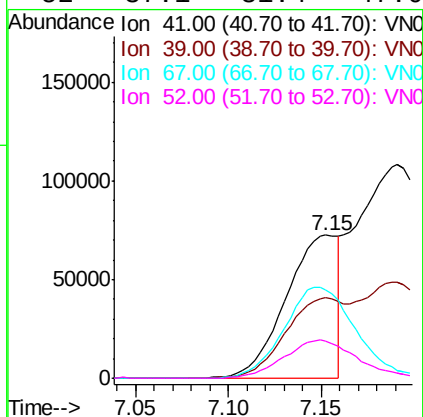
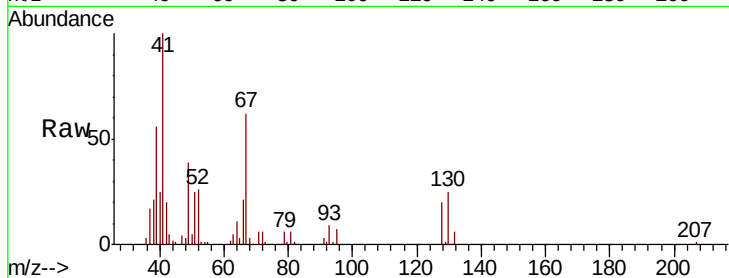
#41
Methacrylonitrile
Concen: 52.501 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MS

Tot Ion:	41	Resp:	140692
Ion	Ratio	Lower	Upper
41	100		
39	61.8	50.2	75.4
67	88.9	70.2	105.4
52	37.1	31.4	47.0

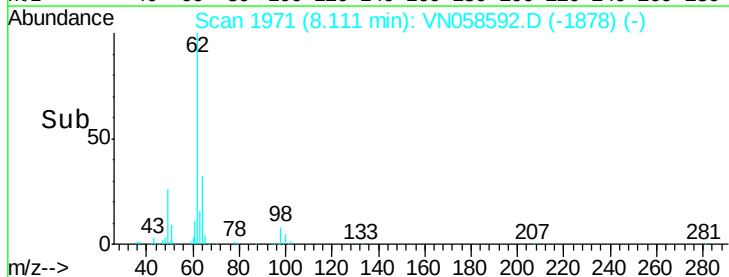
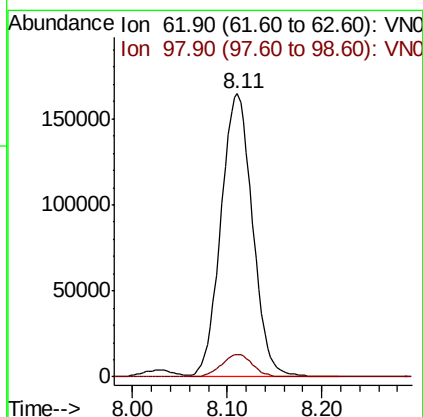
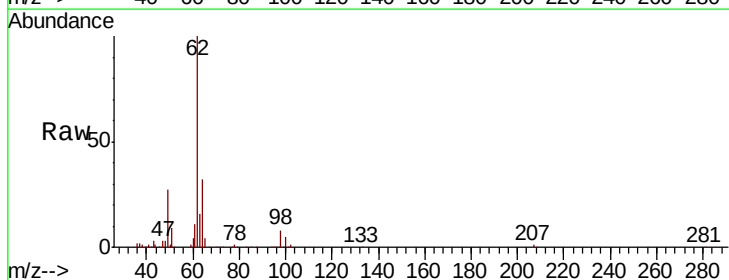
Manual Integrations
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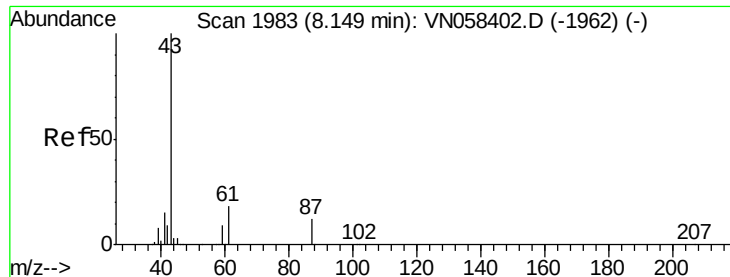
MMDadoda
10/9/2019 10:50:53 AM



#42
1,2-Dichloroethane
Concen: 49.557 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion:	62	Resp:	380765
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6





#43

Isopropyl Acetate

Concen: 48.268 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

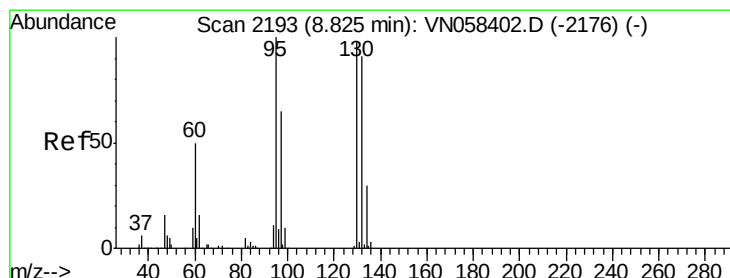
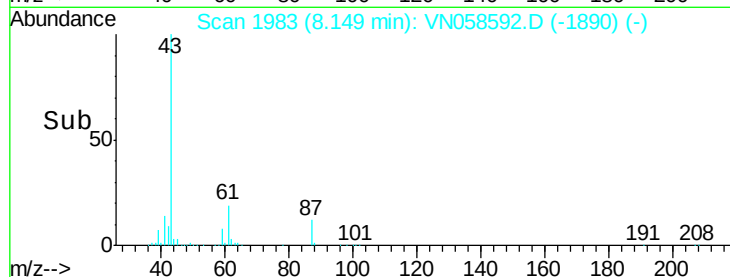
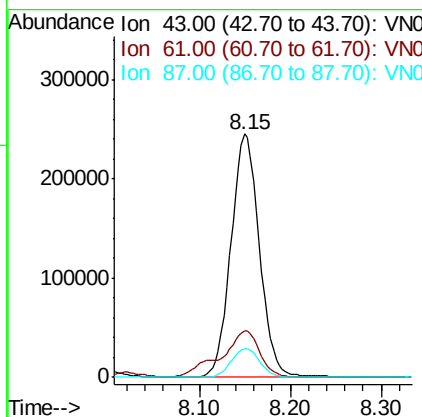
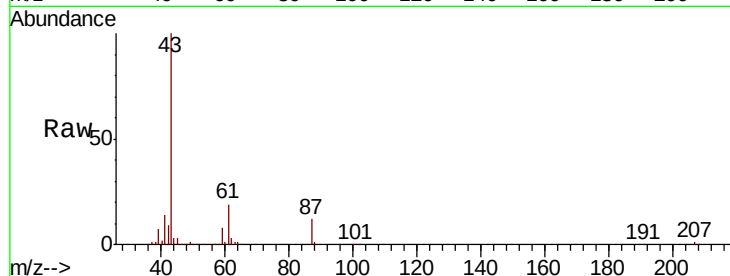
ClientSampleId :

MW-28B_100219MS

Tot Ion:	43	Resp:	528714
Ion	Ratio	Lower	Upper
43	100		
61	26.1	14.8	22.2#
87	12.1	9.7	14.5

Manual Integrations
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MMDadoda
10/9/2019 10:50:53 AM



#44

Trichloroethene

Concen: 56.862 ug/l

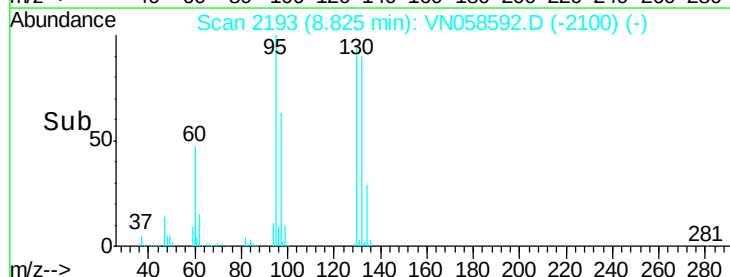
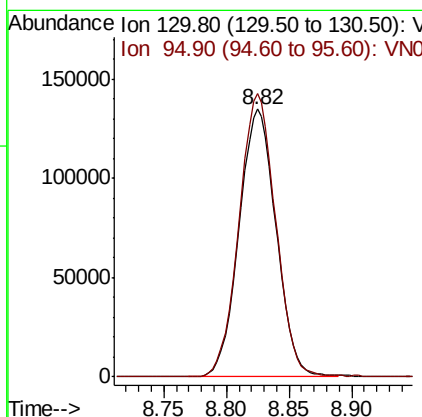
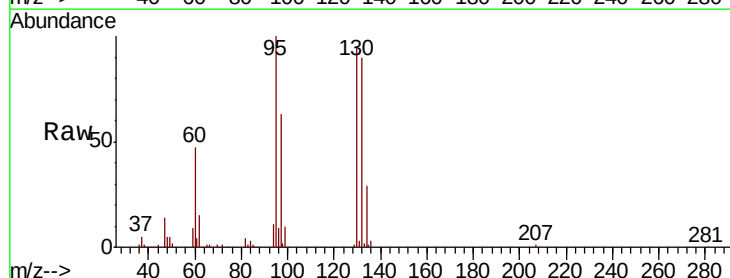
RT: 8.82 min Scan# 2193

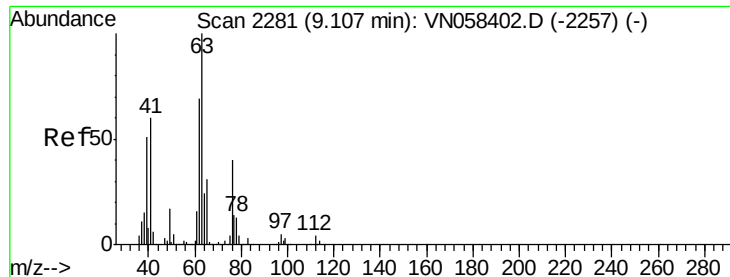
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion:	130	Resp:	277284
Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	204.2





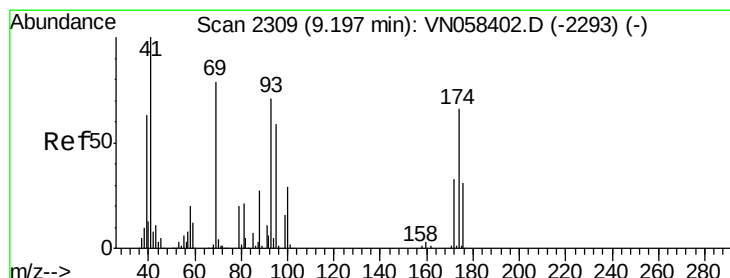
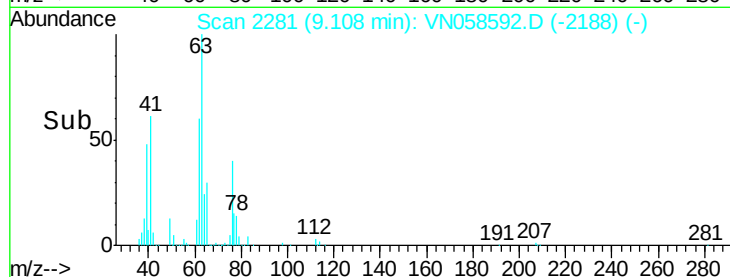
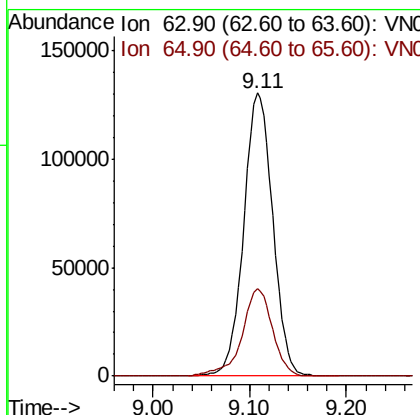
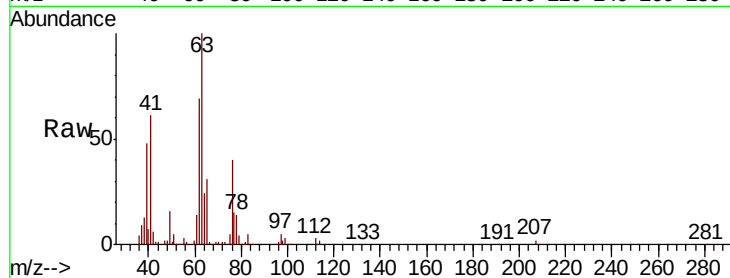
#45
 1,2-Dichloropropane
 Concen: 51.411 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.0	37.4

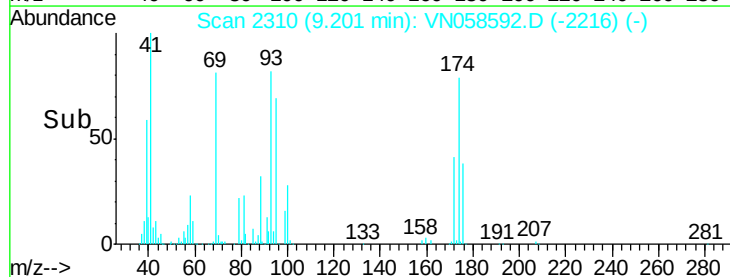
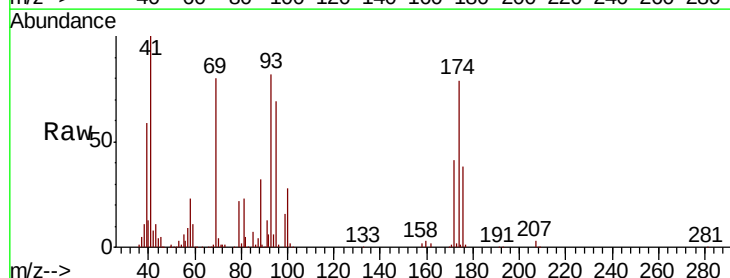
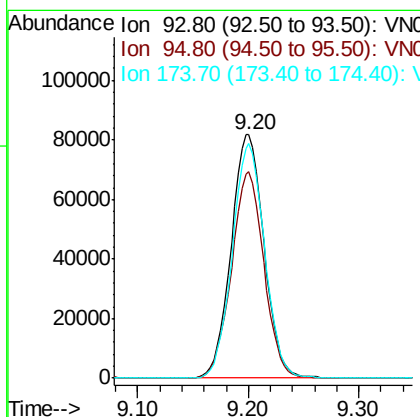
Manual Integrations
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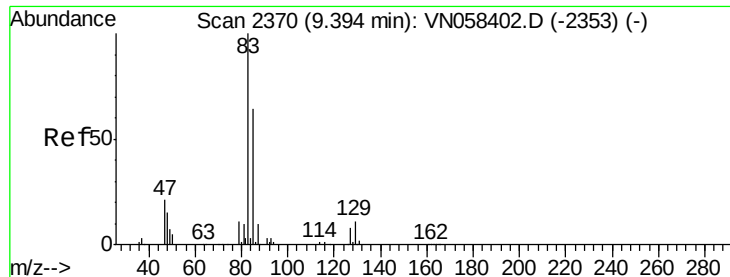
MMDadoda
 10/9/2019 10:50:53 AM



#46
 Dibromomethane
 Concen: 50.319 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	67.0	100.4
174	94.7	74.2	111.2





#47

Bromodichloromethane

Concen: 56.382 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

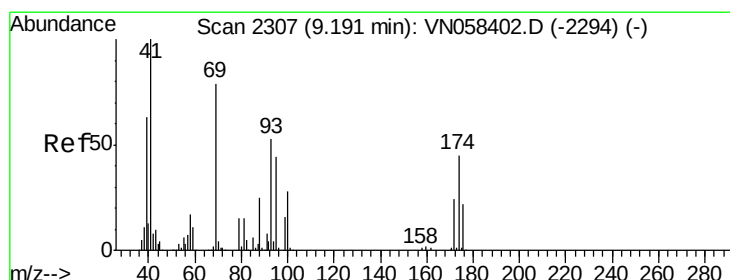
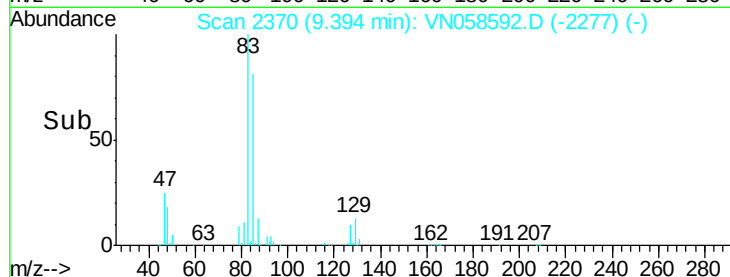
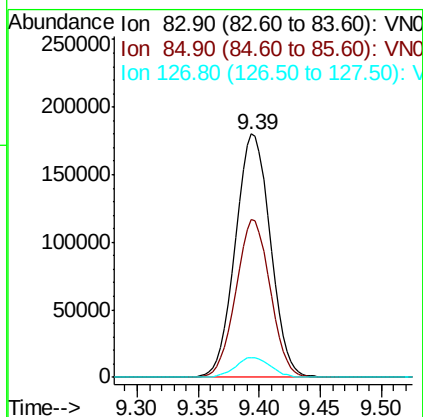
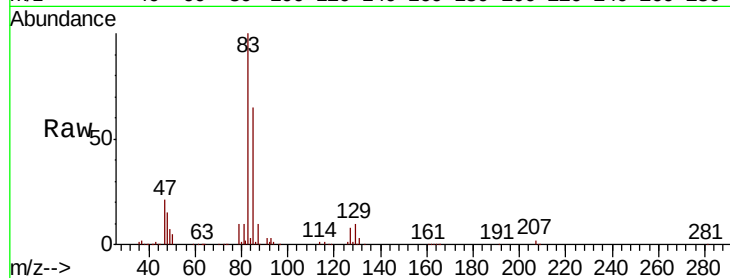
ClientSampleId :

MW-28B_100219MS

Tot Ion:	83	Resp:	358317
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.2	76.8
127	8.2	6.3	9.5

Manual Integrations
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MMDadoda
10/9/2019 10:50:53 AM



#48

Methyl methacrylate

Concen: 52.608 ug/l

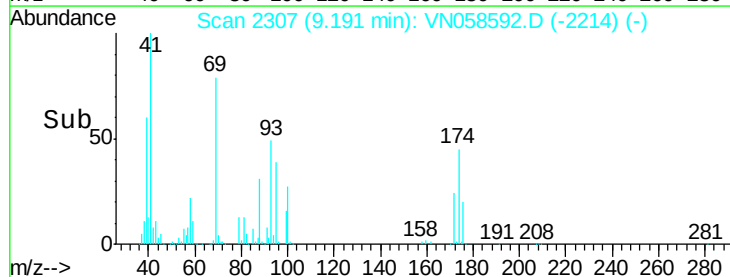
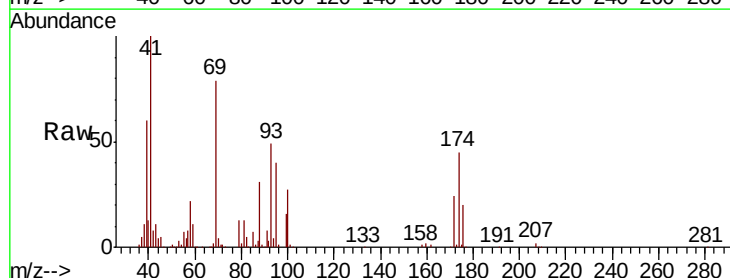
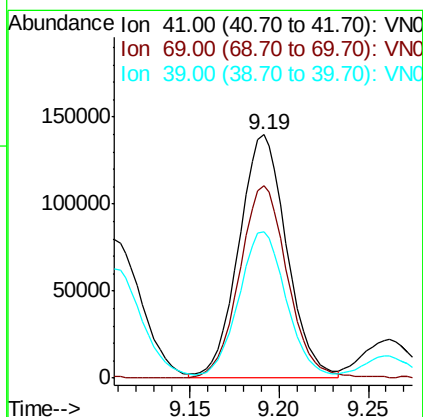
RT: 9.19 min Scan# 2307

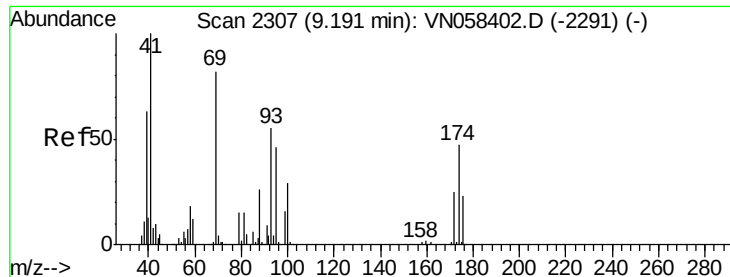
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion:	41	Resp:	262393
Ion Ratio	Lower	Upper	
41	100		
69	79.4	64.7	97.1
39	59.8	52.9	79.3





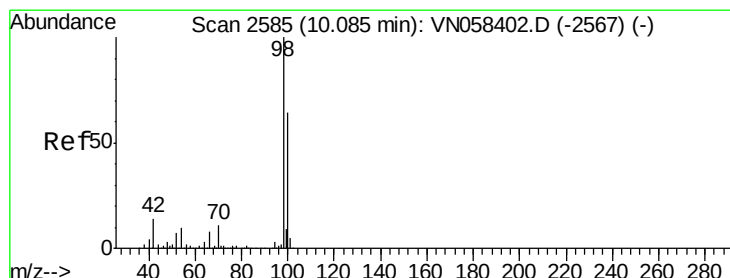
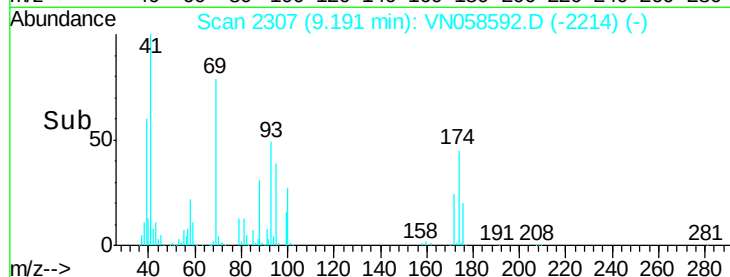
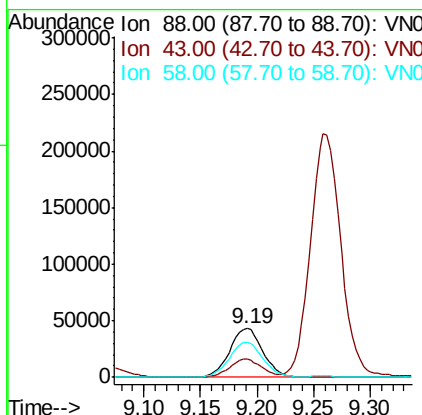
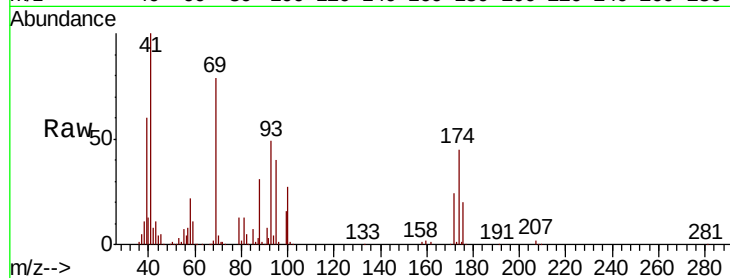
#49
1,4-Dioxane
Concen: 1335.667 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	31.1	46.7
58	71.6	58.1	87.1

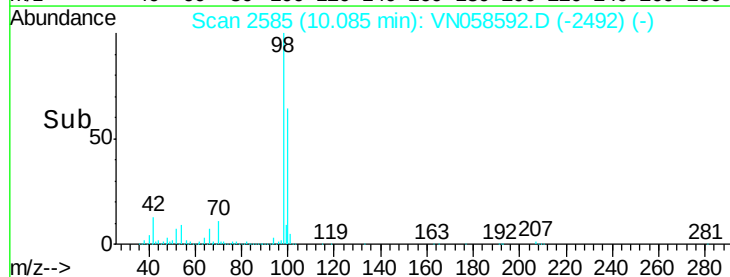
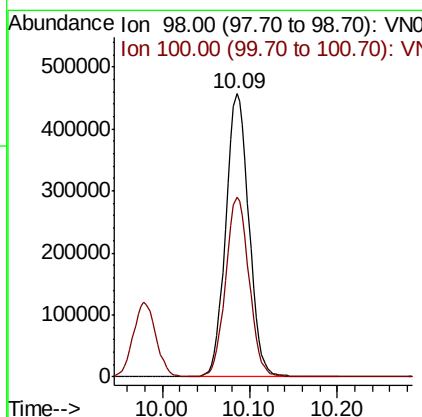
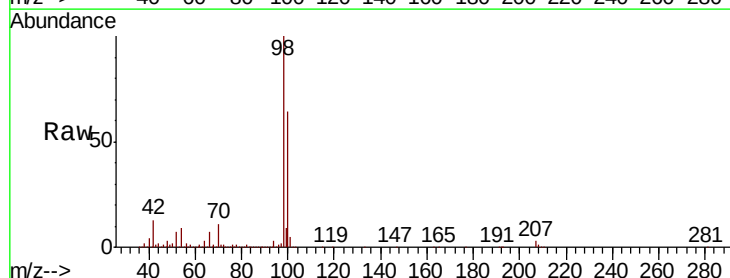
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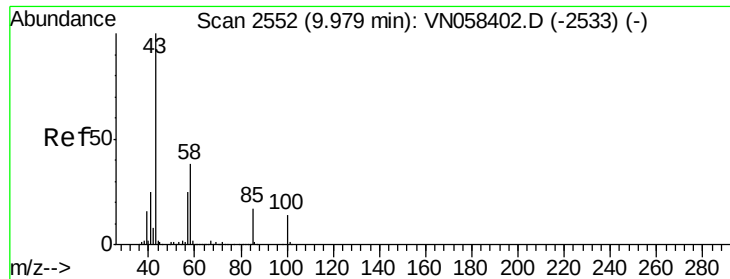
MMDadoda
10/9/2019 10:50:53 AM



#50
Toluene-d8
Concen: 48.657 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 281.962 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion: 43 Resp: 1586470

Ion Ratio Lower Upper

43 100

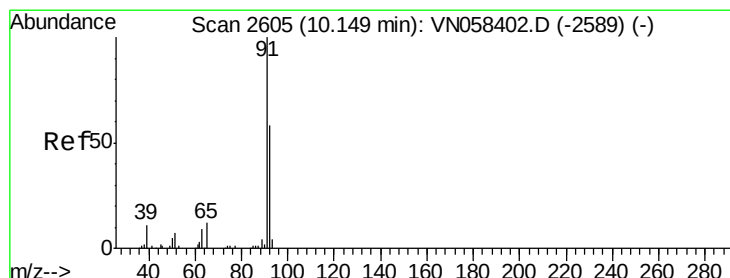
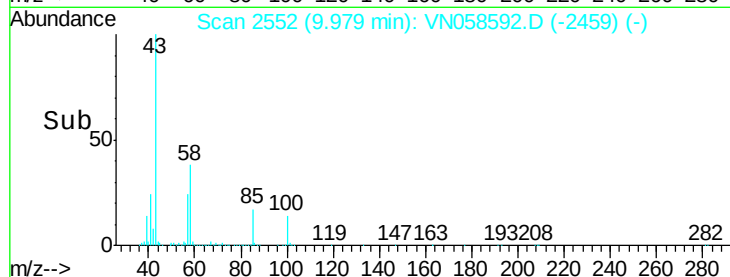
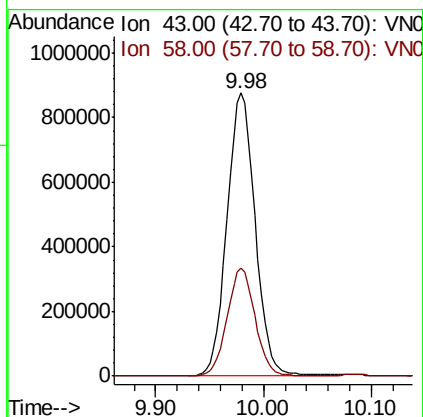
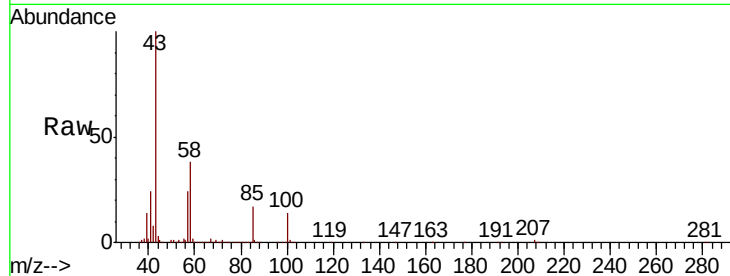
58 38.1 30.2 45.2

Manual Integrations

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MMDadoda

10/9/2019 10:50:53 AM



#52

Toluene

Concen: 48.819 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058592.D

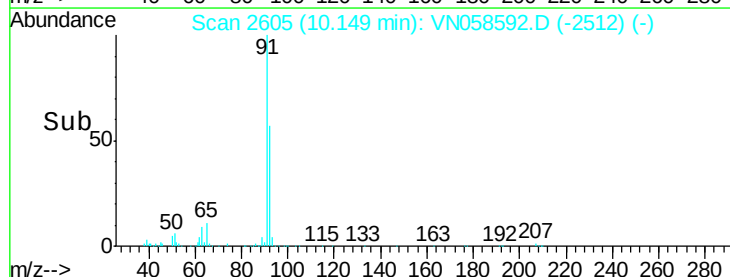
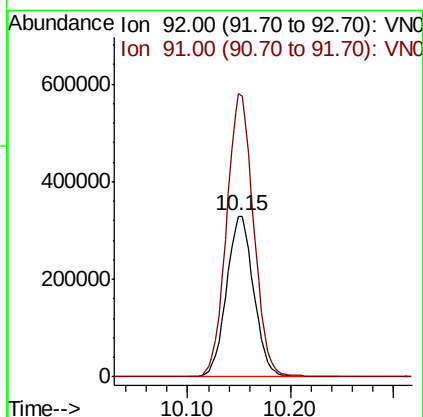
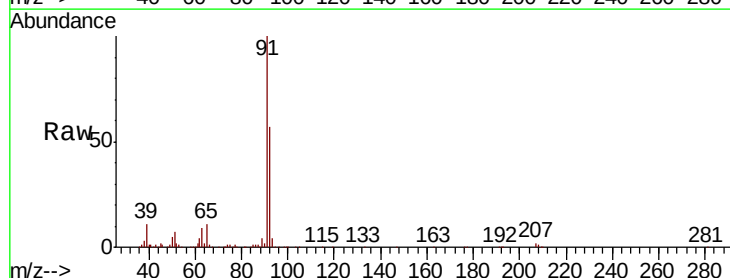
Acq: 8 Oct 2019 00:52

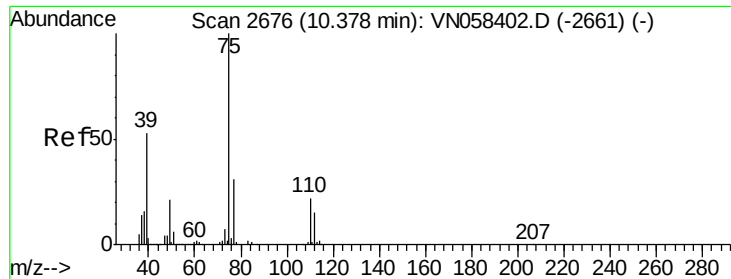
Tgt Ion: 92 Resp: 606849

Ion Ratio Lower Upper

92 100

91 175.4 140.2 210.4





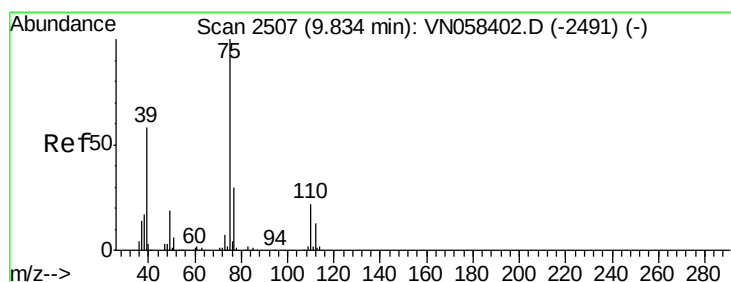
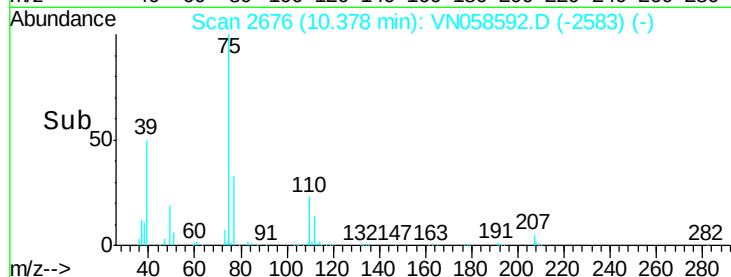
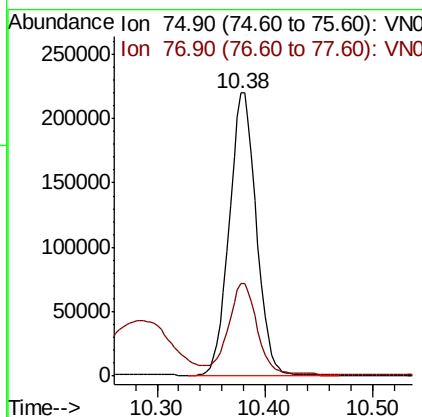
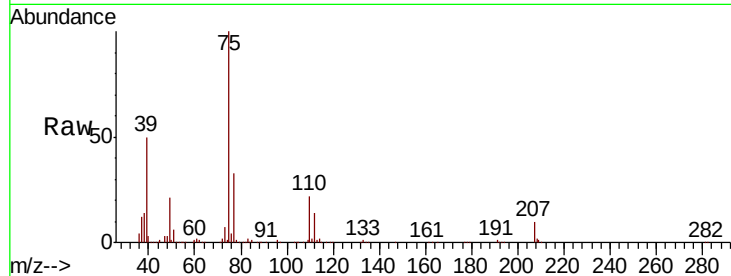
#53
t-1,3-Dichloropropene
Concen: 55.417 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MS

Tot Ion: 75 Resp: 383326
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8

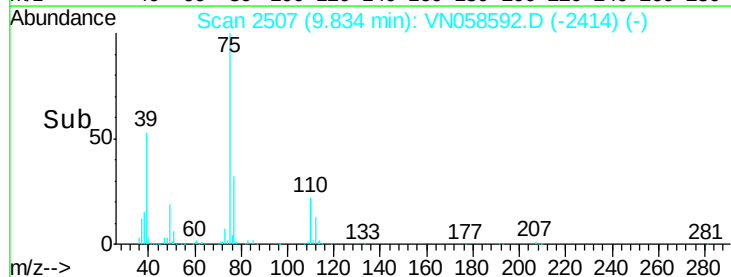
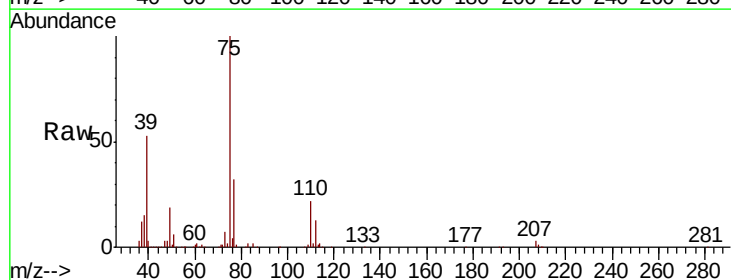
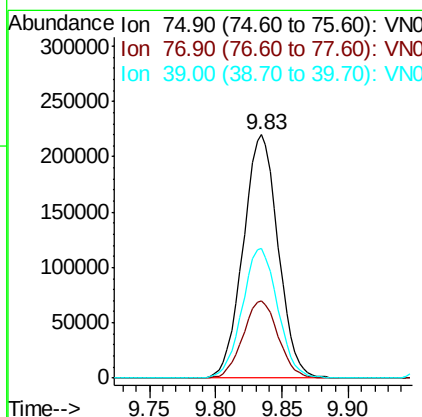
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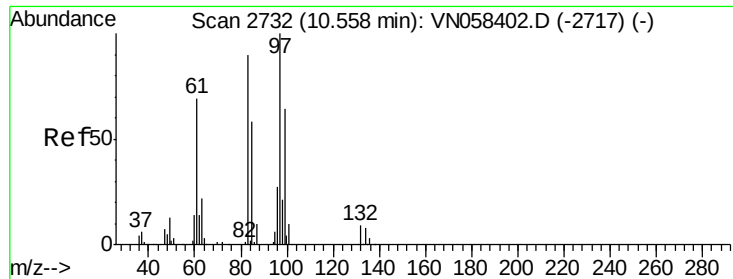
MMDadoda
10/9/2019 10:50:53 AM



#54
cis-1,3-Dichloropropene
Concen: 52.648 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion: 75 Resp: 404250
Ion Ratio Lower Upper
75 100
77 31.8 24.2 36.4
39 53.0 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 53.627 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

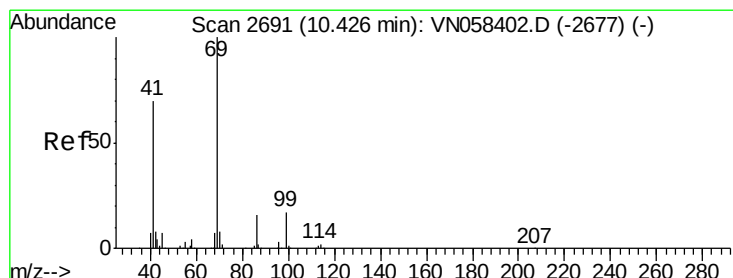
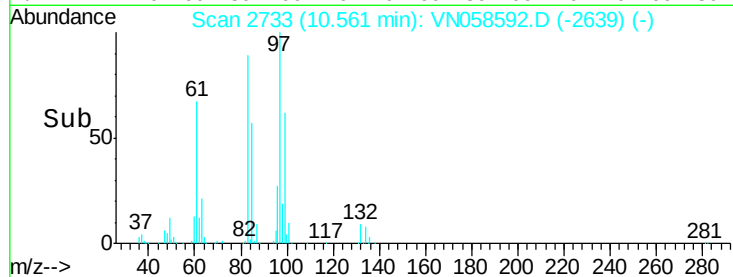
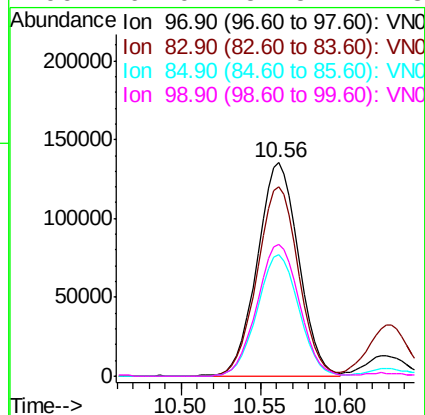
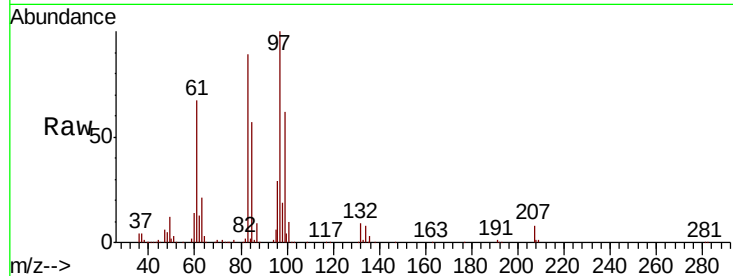
ClientSampleId :

MW-28B_100219MS

Tot Ion:	97	Resp:	242728
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.8	107.6
85	57.2	46.6	69.8
99	62.0	51.5	77.3

Manual Integrations
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10/9/2019 10:50:53 AM



#56

Ethyl methacrylate

Concen: 54.508 ug/l

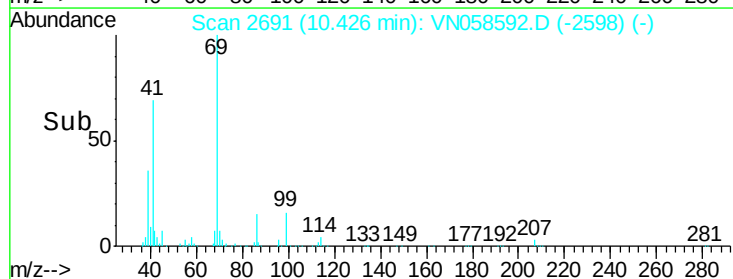
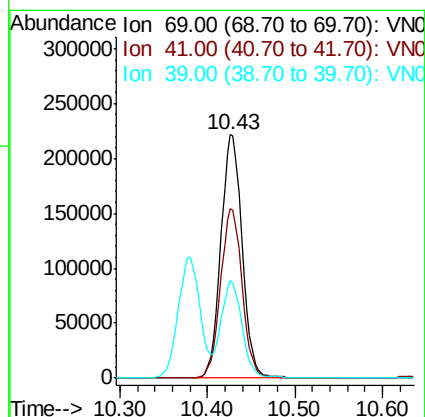
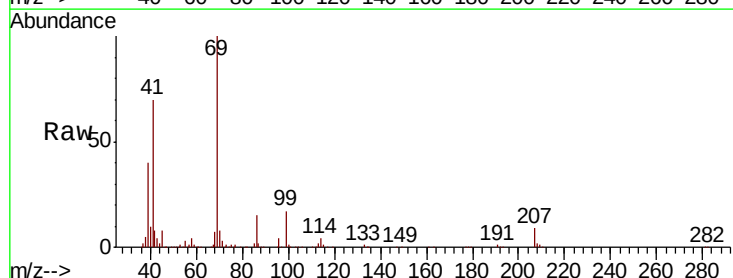
RT: 10.43 min Scan# 2691

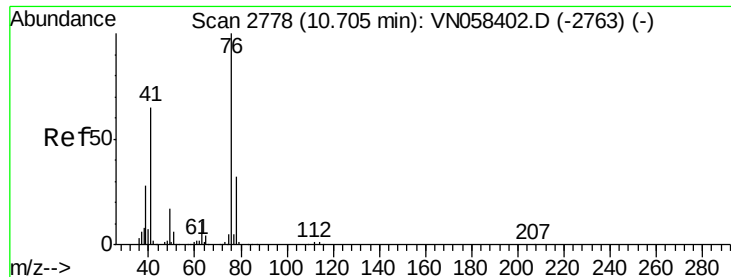
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion:	69	Resp:	374367
Ion	Ratio	Lower	Upper
69	100		
41	69.6	56.3	84.5
39	39.4	35.8	53.6





#57

1,3-Dichloropropane

Concen: 53.234 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion: 76 Resp: 429777

Ion Ratio Lower Upper

76 100

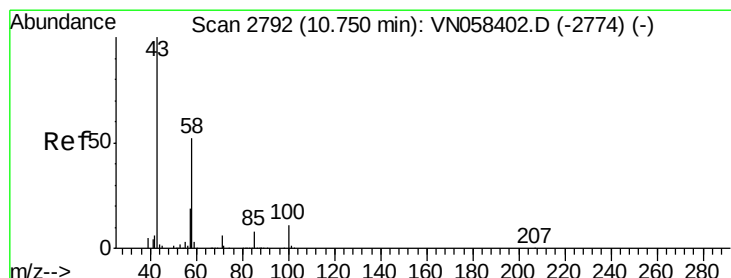
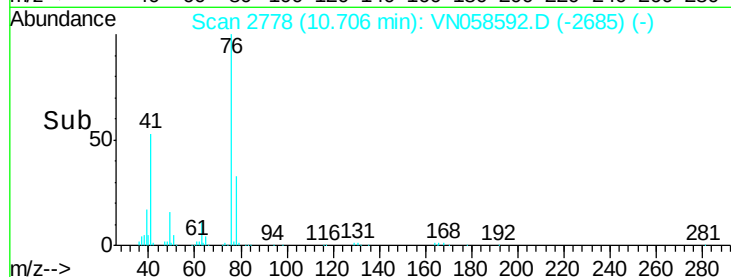
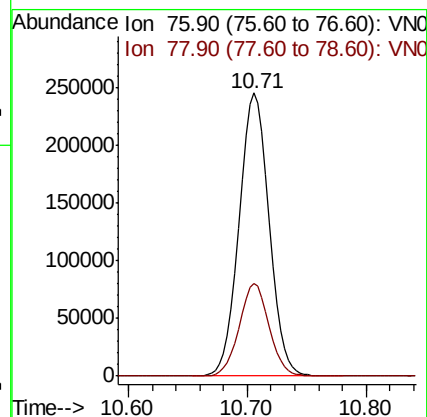
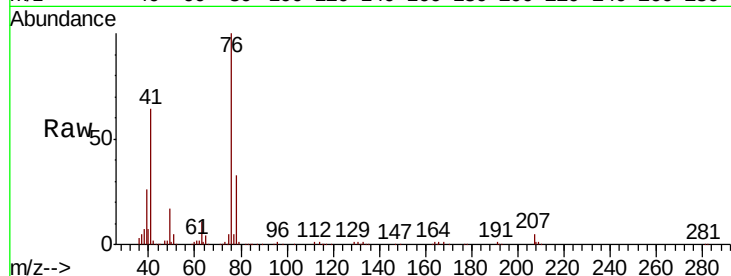
78 32.5 25.7 38.5

Manual Integrations

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10/9/2019 10:50:53 AM



#59

2-Hexanone

Concen: 280.626 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058592.D

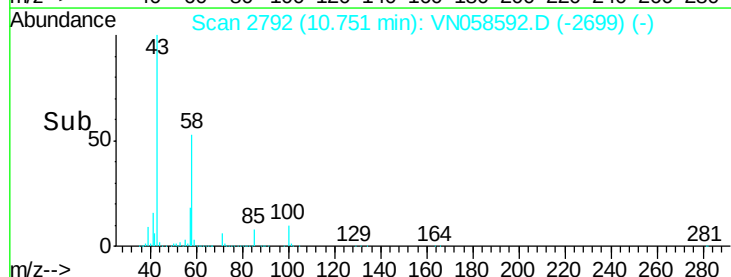
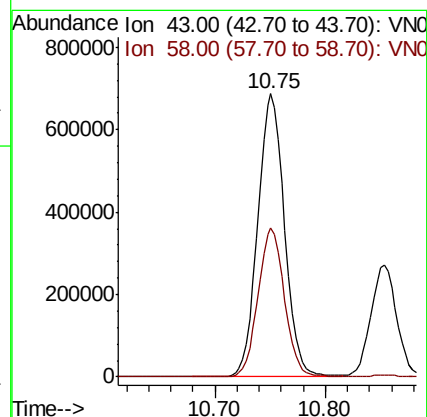
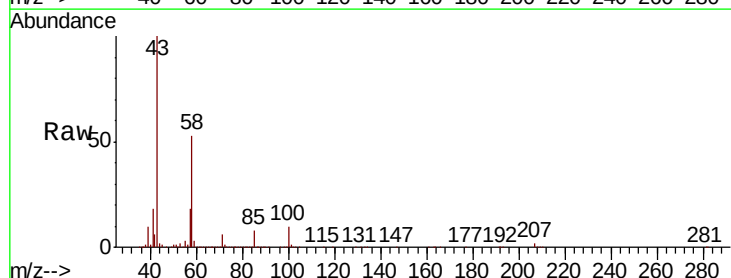
Acq: 8 Oct 2019 00:52

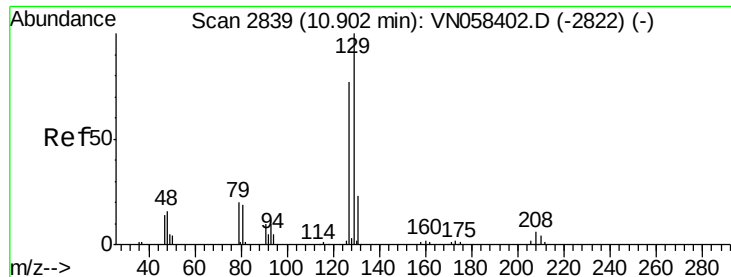
Tgt Ion: 43 Resp: 1149716

Ion Ratio Lower Upper

43 100

58 52.2 25.8 77.3





#60

Dibromochloromethane

Concen: 56.653 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion:129 Resp: 265192

Ion Ratio Lower Upper

129 100

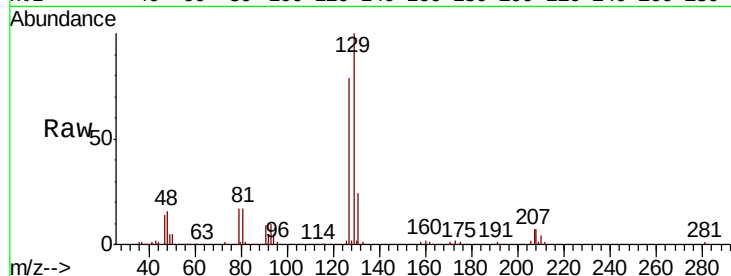
127 77.6 38.3 114.8

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

150000

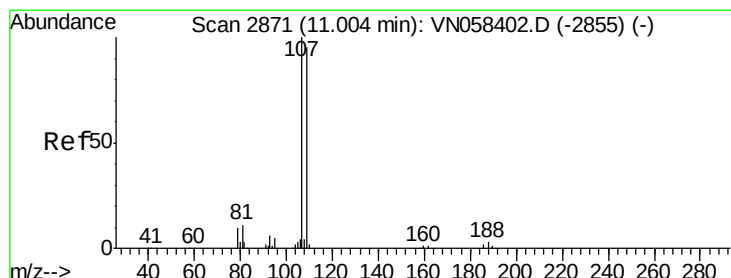
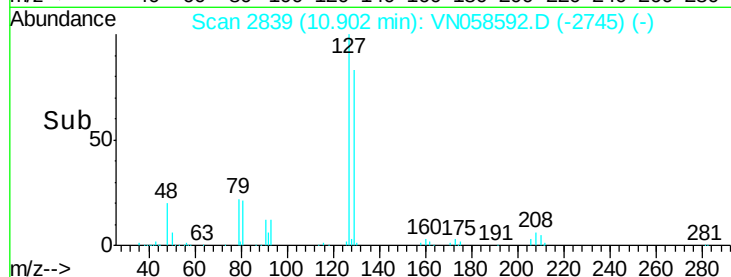
100000

50000

0

10.80 10.85 10.90 10.95

Time-->



#61

1,2-Dibromoethane

Concen: 53.037 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058592.D

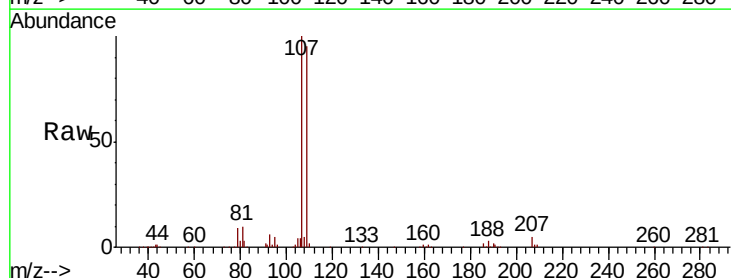
Acq: 8 Oct 2019 00:52

Tgt Ion:107 Resp: 245289

Ion Ratio Lower Upper

107 100

109 94.3 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

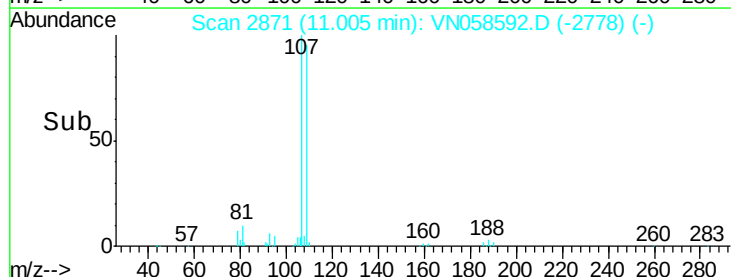
100000

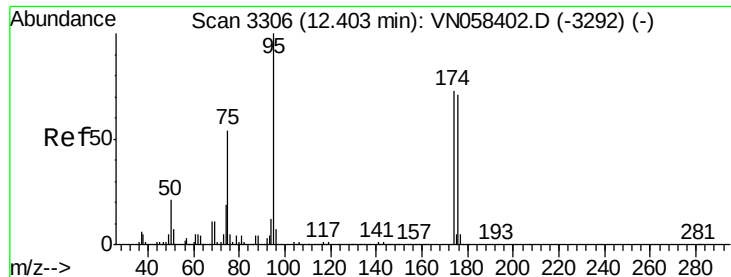
50000

0

10.90 11.00 11.10

Time-->





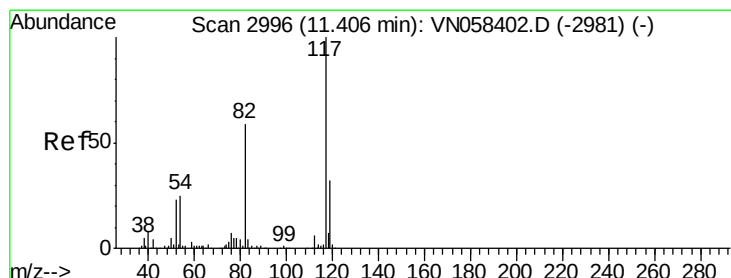
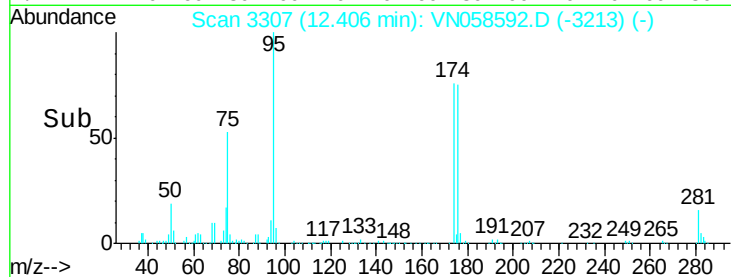
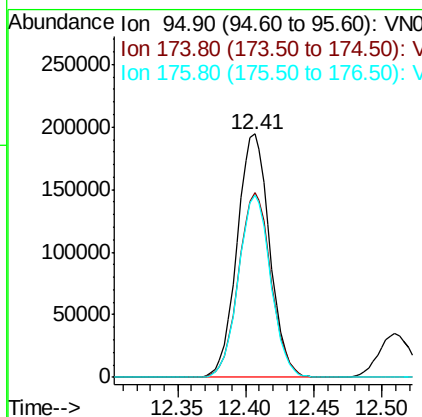
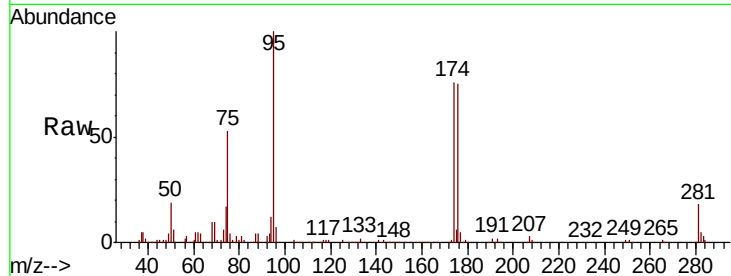
#62
4-Bromofluorobenzene
Concen: 51.536 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	321470		
174	76.0	0.0	150.6	
176	74.4	0.0	146.2	

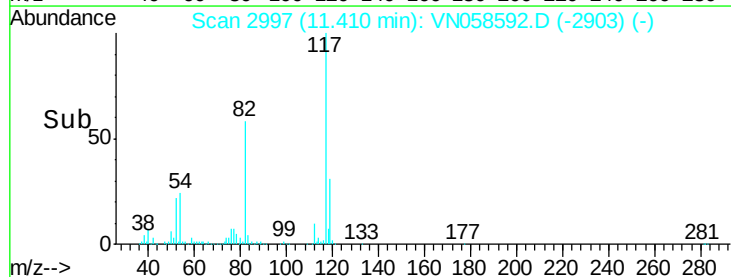
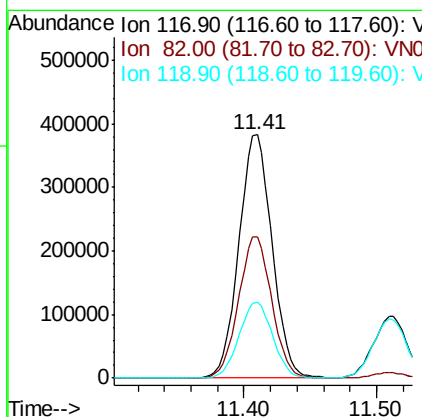
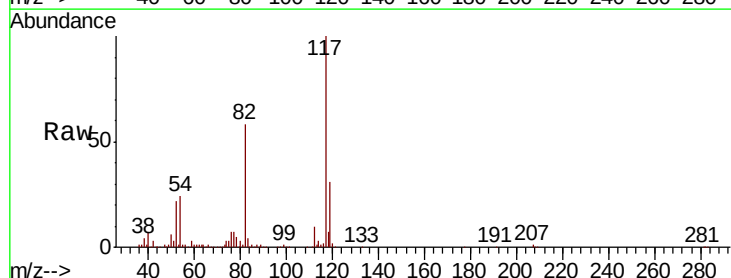
Manual Integrations
APPROVED

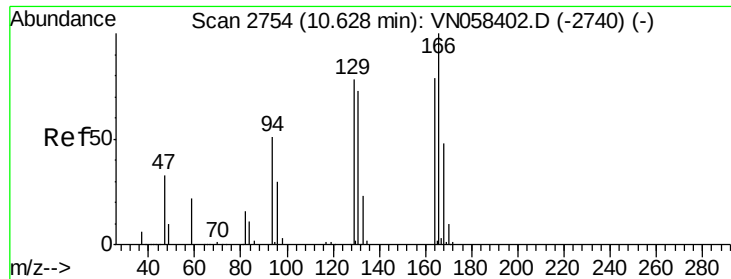
MMDadoda
10/9/2019 10:50:53 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	665530		
82	58.0	47.4	71.0	
119	31.3	25.5	38.3	





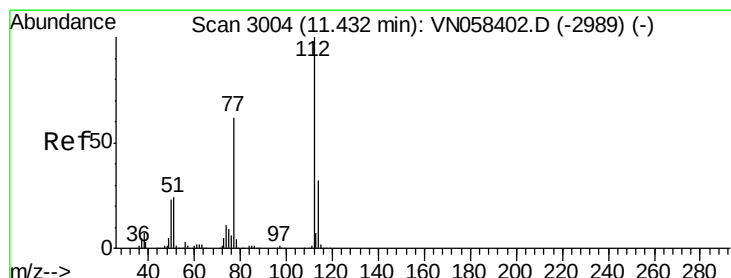
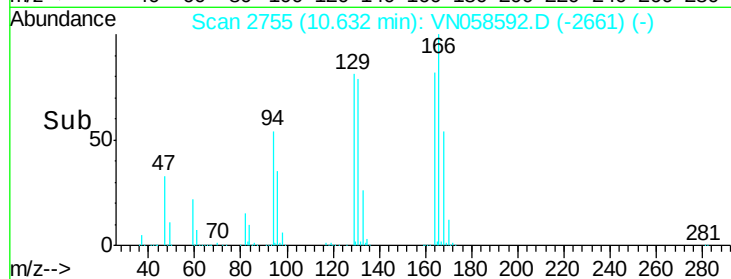
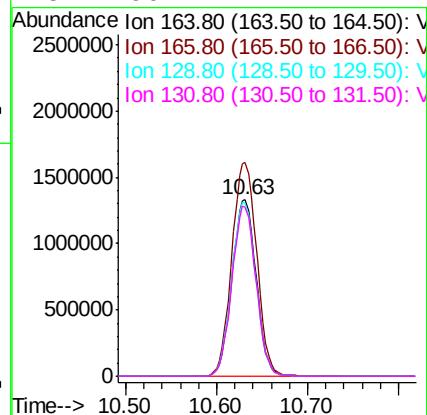
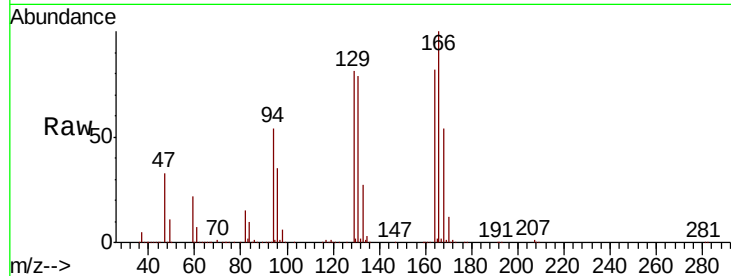
#64
Tetrachloroethene
Concen: 582.093 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.3	101.1	151.7
129	98.4	79.2	118.8
131	96.2	74.1	111.1

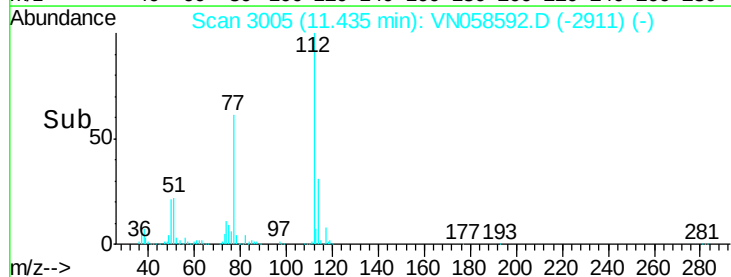
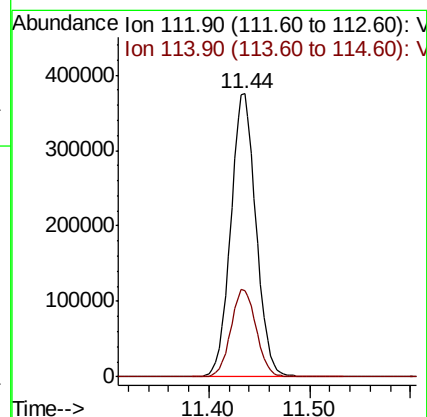
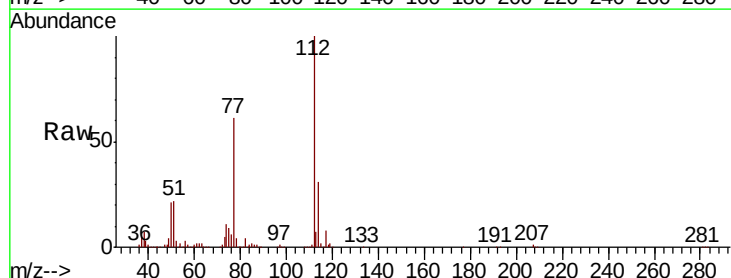
Manual Integrations
APPROVED

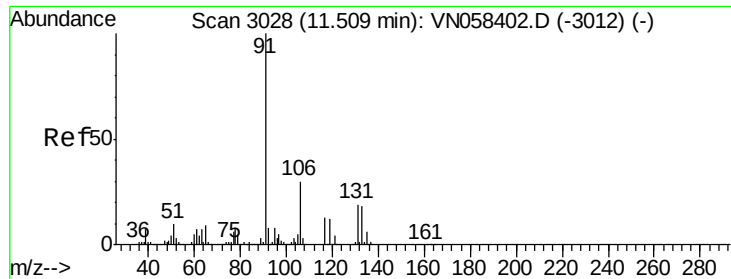
MMDadoda
10/9/2019 10:50:53 AM



#65
Chlorobenzene
Concen: 49.490 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.4	38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 55.725 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

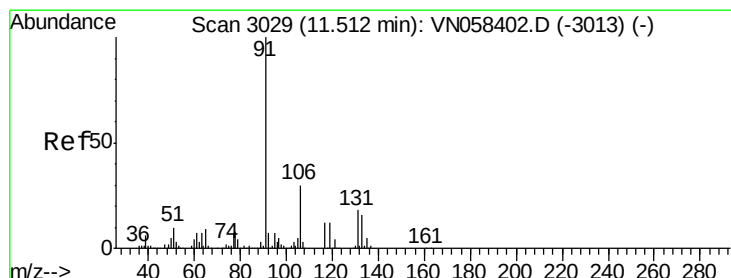
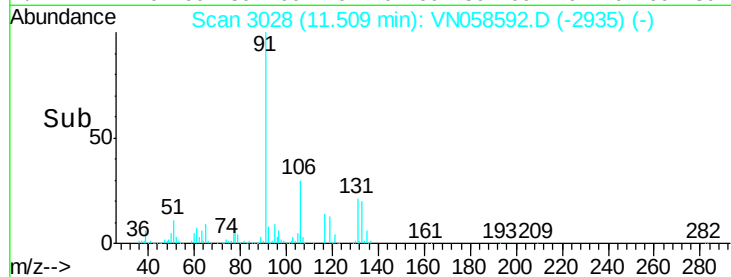
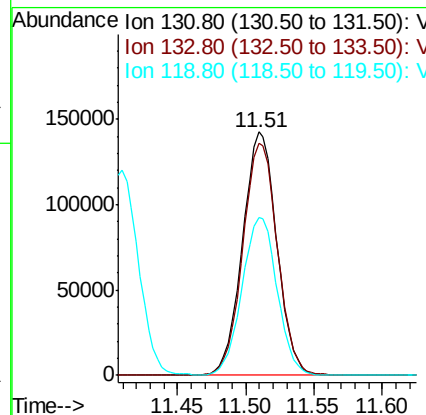
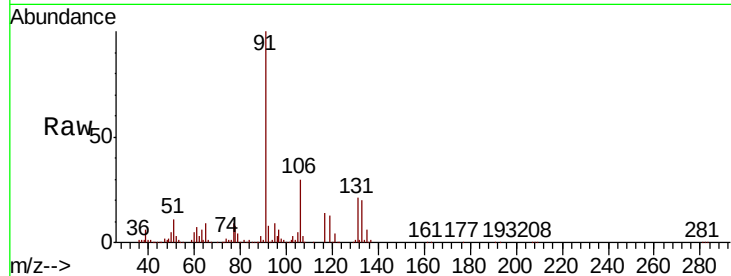
ClientSampleId :

MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.8	143.3
119	66.4	33.0	99.0

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:50:53 AM



#67

Ethyl Benzene

Concen: 49.880 ug/l

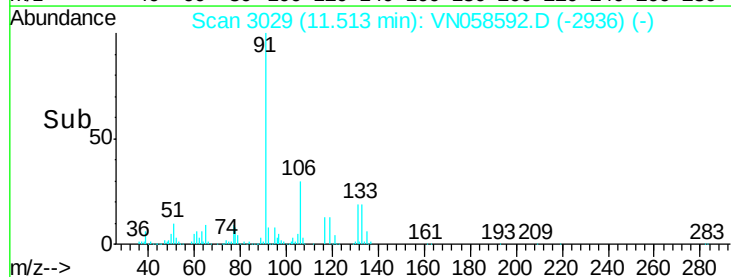
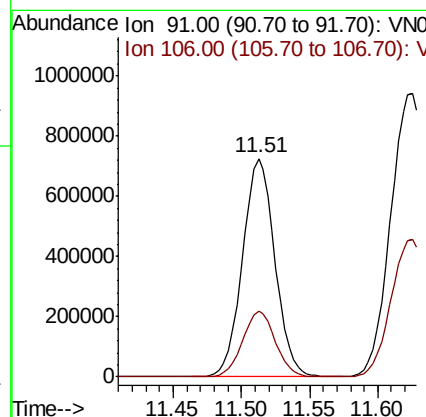
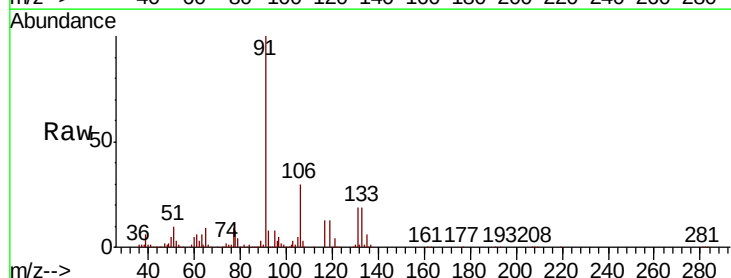
RT: 11.51 min Scan# 3029

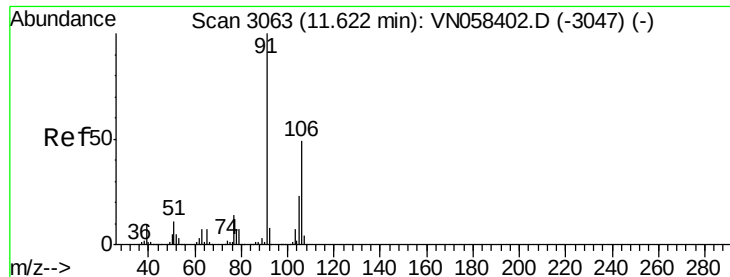
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5





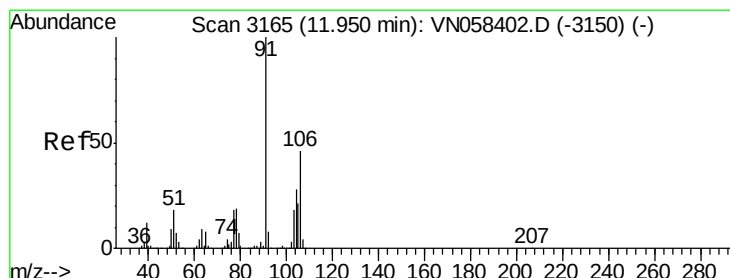
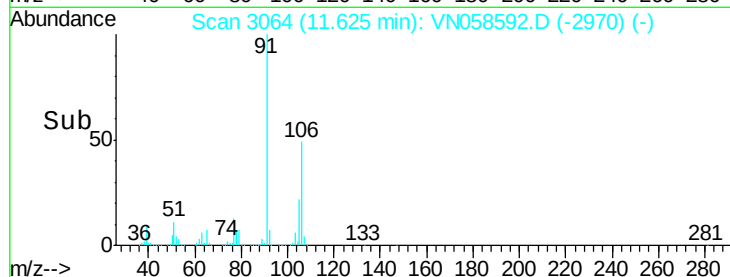
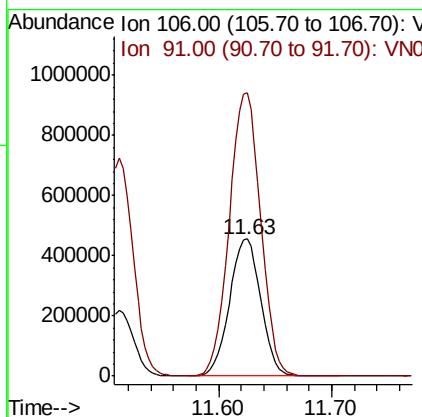
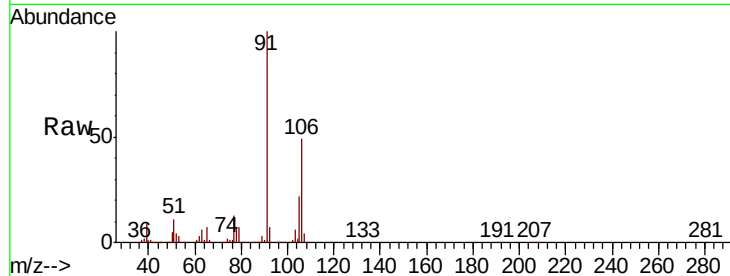
#68
m/p-Xylenes
Concen: 97.164 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MS

Tot Ion:106 Resp: 875974
Ion Ratio Lower Upper
106 100
91 207.2 165.0 247.4

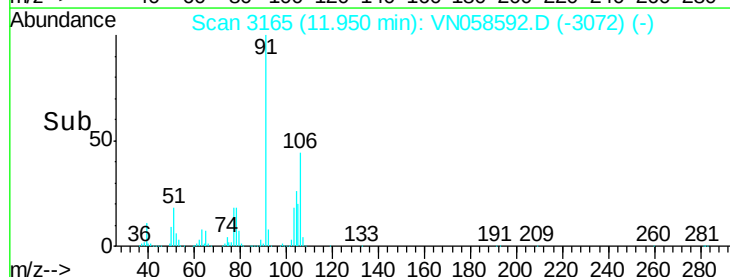
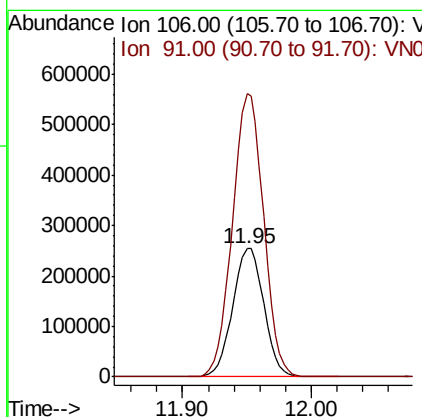
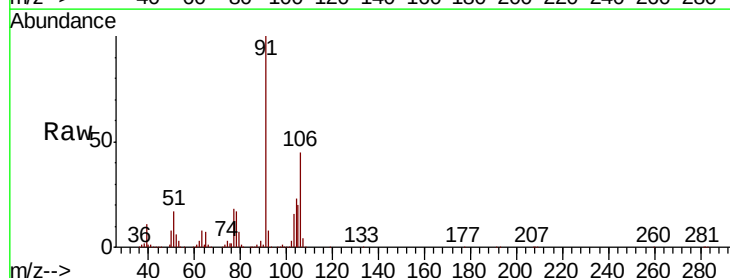
Manual Integrations
APPROVED

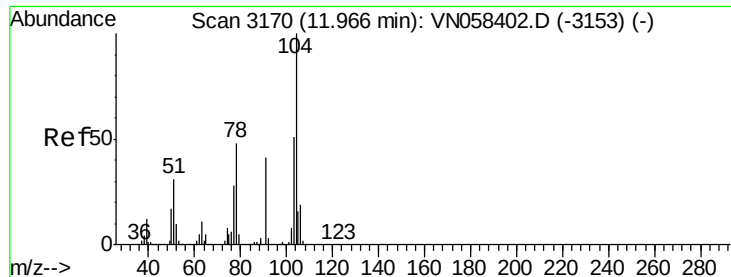
MMDadoda
10/9/2019 10:50:53 AM



#69
o-Xylene
Concen: 49.339 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion:106 Resp: 428200
Ion Ratio Lower Upper
106 100
91 220.2 109.1 327.4





#70

Stvrene

Concen: 50.481 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

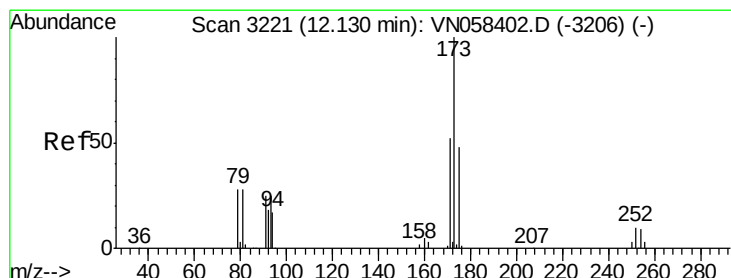
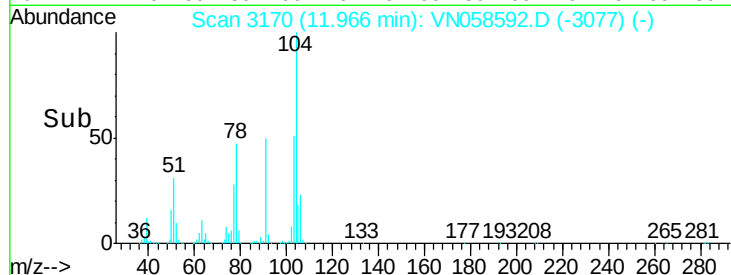
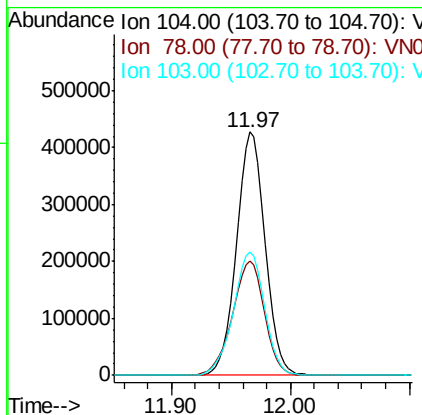
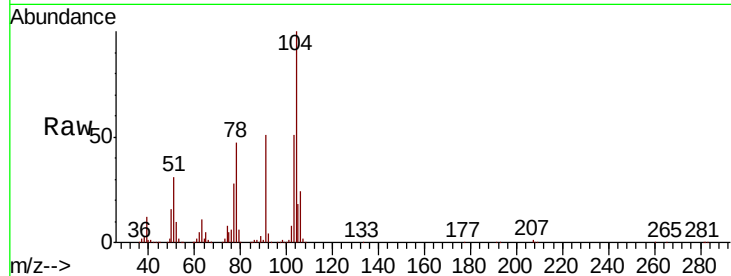
ClientSampleId :

MW-28B_100219MS

Tot Ion:	104	Resp:	711735
Ion Ratio	Lower	Upper	
104	100		
78	52.3	42.8	64.2
103	55.4	43.7	65.5

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:50:53 AM



#71

Bromoform

Concen: 57.320 ug/l

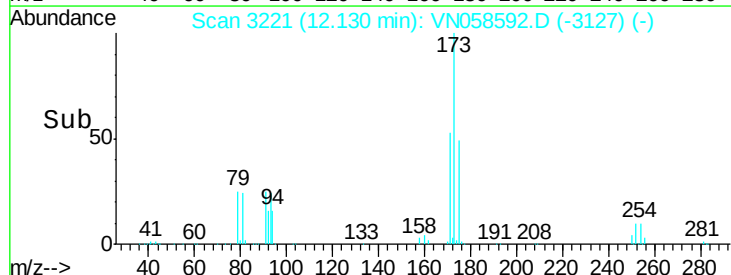
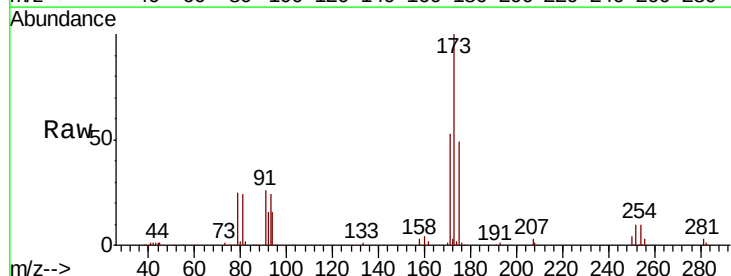
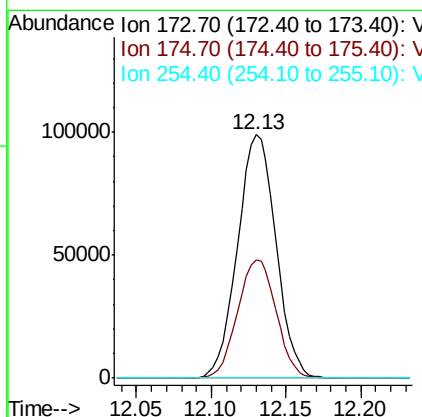
RT: 12.13 min Scan# 3221

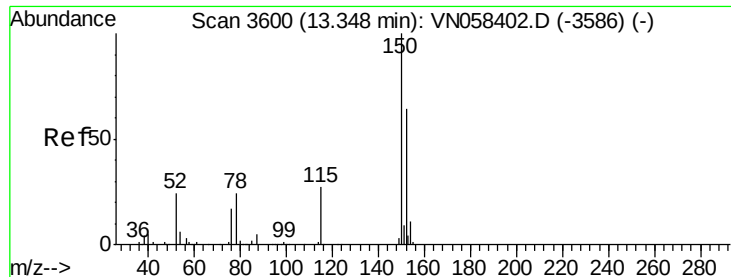
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion:	173	Resp:	176876
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.3	73.0
254	0.1	0.1	0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

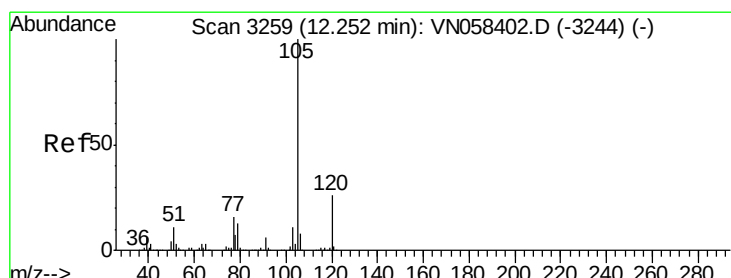
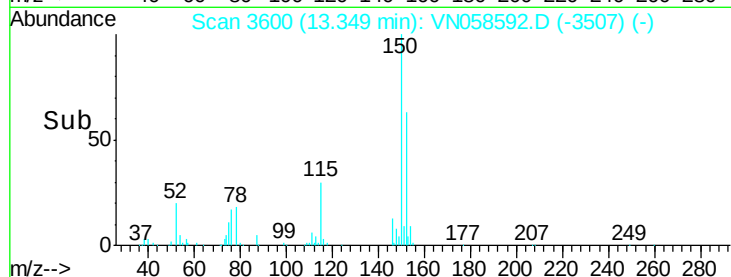
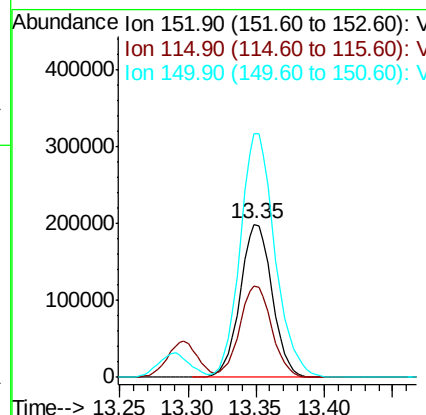
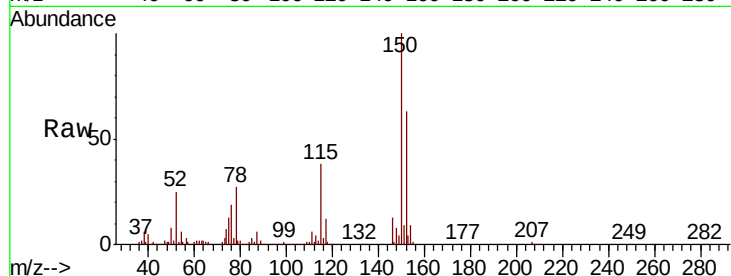
ClientSampleId :

MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.0	90.0
150	172.4	0.0	348.2

Manual Integrations
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MMDadoda
10/9/2019 10:50:53 AM



#73

Isopropylbenzene

Concen: 48.186 ug/l

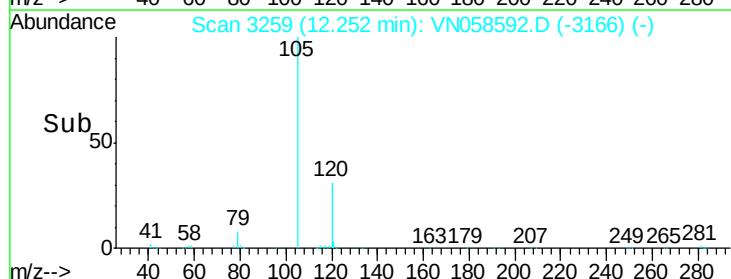
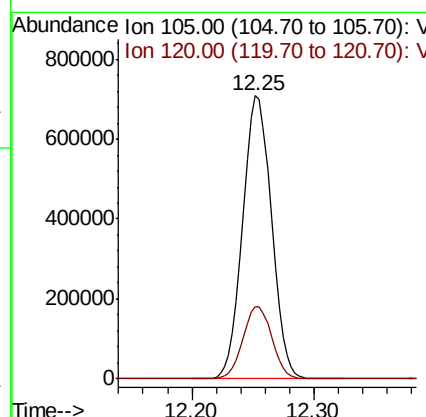
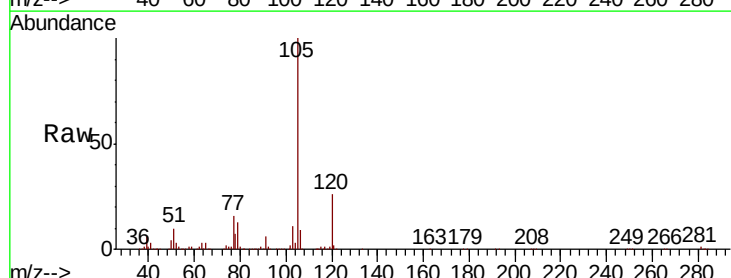
RT: 12.25 min Scan# 3259

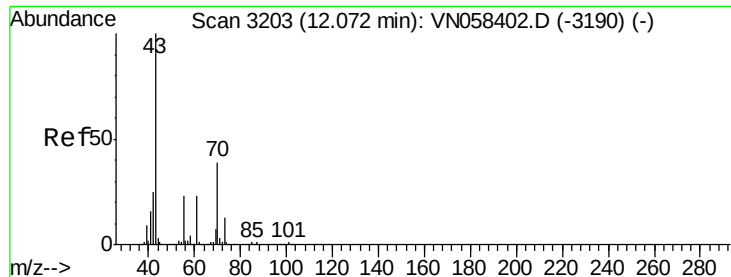
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4





#74

N-amvl acetate

Concen: 47.239 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

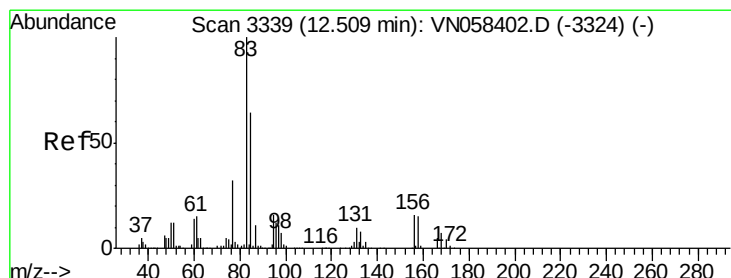
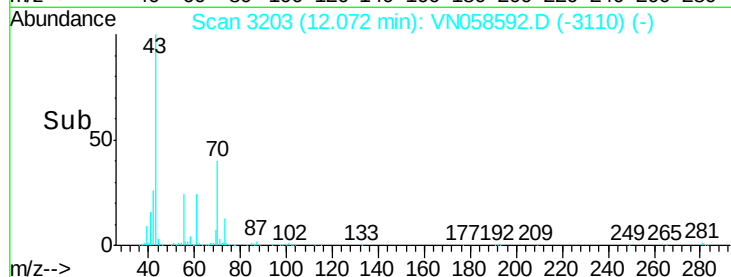
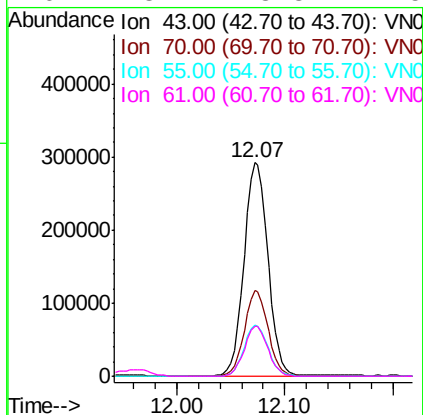
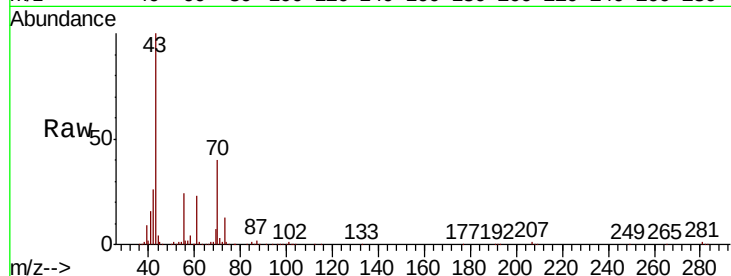
ClientSampleId :

MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	39.8	31.4	47.2
55	24.1	18.2	27.4
61	23.2	18.3	27.5

Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:50:53 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 50.889 ug/l

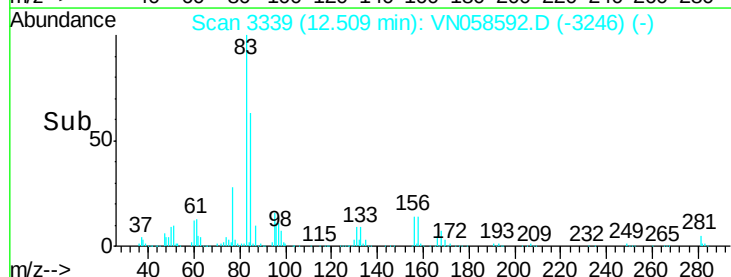
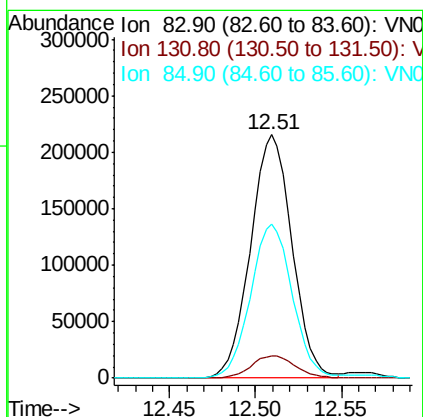
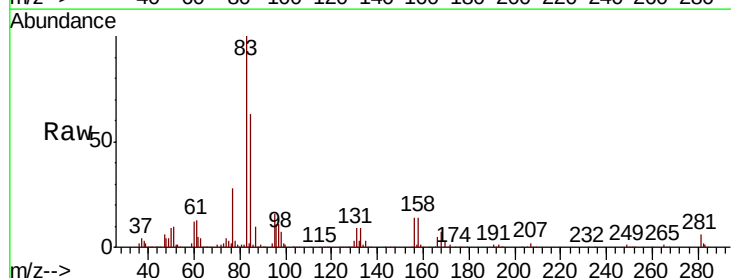
RT: 12.51 min Scan# 3339

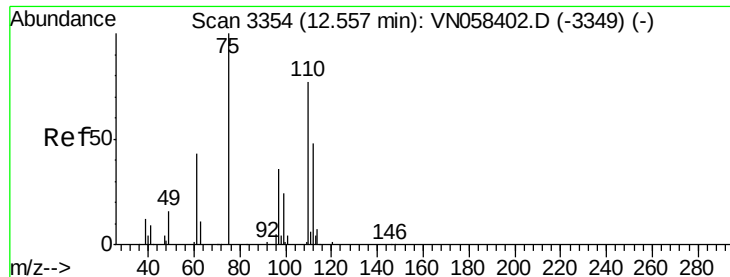
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.7
85	63.6	32.0	96.0





#76

1,2,3-Trichloropropane

Concen: 57.571 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion: 75 Resp: 341154

Ion Ratio Lower Upper

75 100

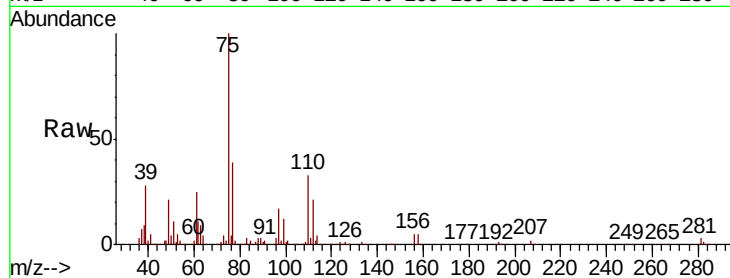
77 0.0 0.0 0.0

Manual Integrations

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MMDadoda

10/9/2019 10:50:53 AM



Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058402.D (-3349) (-)

300000

200000

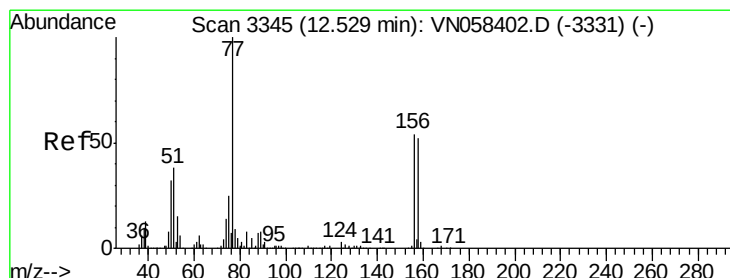
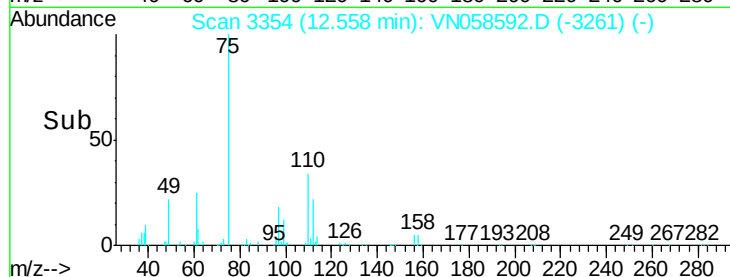
100000

0

12.55

12.60

Time-->



#77

Bromobenzene

Concen: 49.331 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

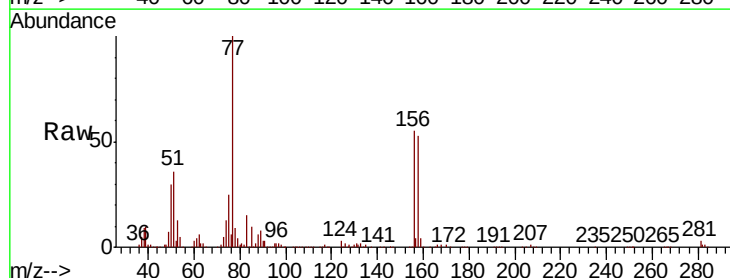
Tgt Ion: 156 Resp: 277336

Ion Ratio Lower Upper

156 100

77 221.4 110.0 330.0

158 97.4 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): VN058402.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN058402.D (-3331) (-)

Ion 157.80 (157.50 to 158.50): VN058402.D (-3331) (-)

400000

300000

200000

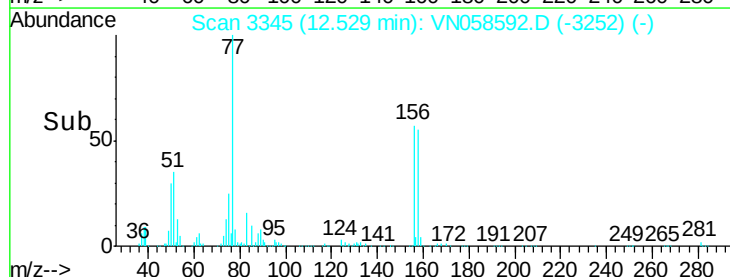
100000

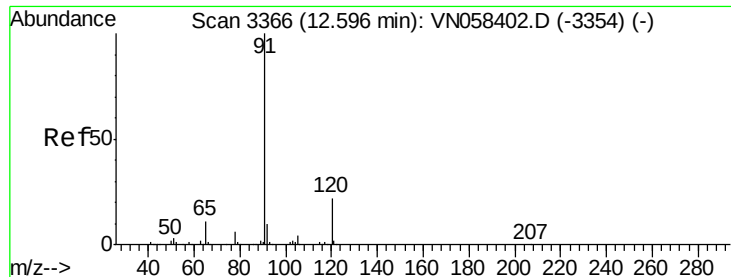
0

12.53

12.60

Time-->





#78

n-propylbenzene

Concen: 49.312 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion: 91 Resp: 1332011

Ion Ratio Lower Upper

91 100

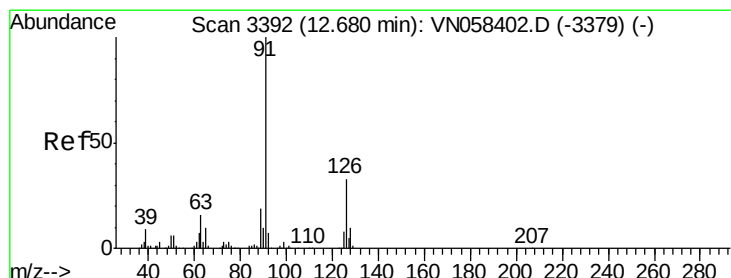
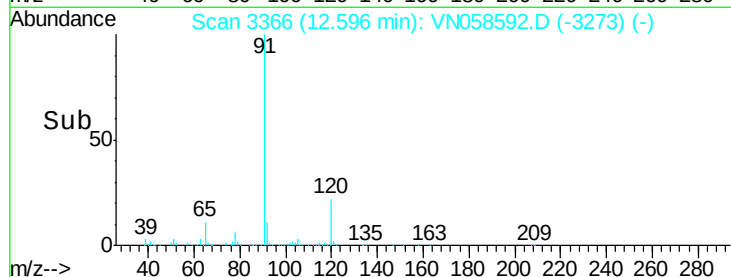
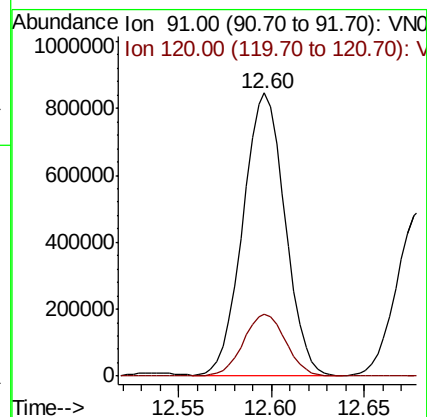
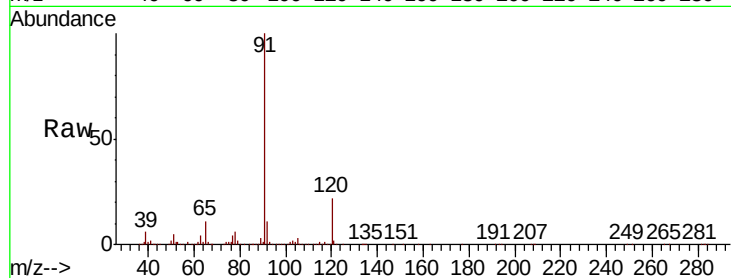
120 22.3 10.9 32.9

Manual Integrations

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#79

2-Chlorotoluene

Concen: 48.413 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058592.D

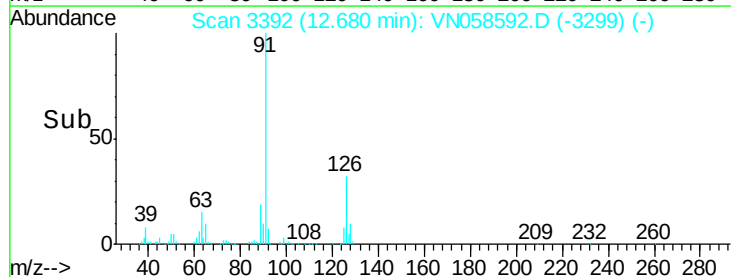
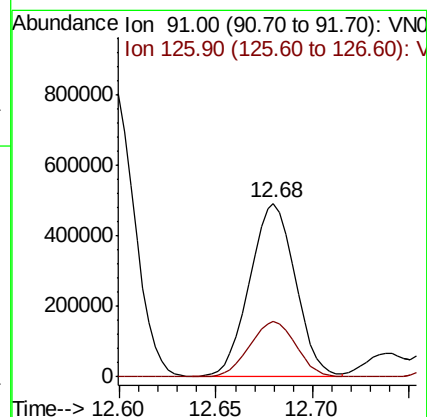
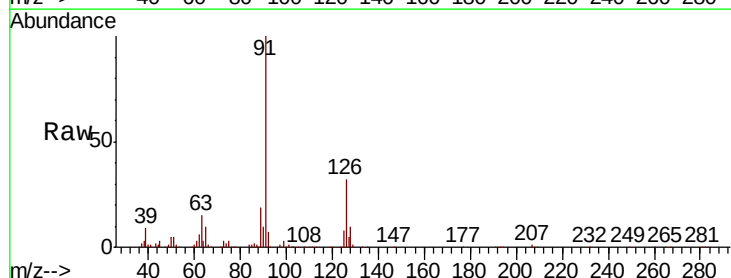
Acq: 8 Oct 2019 00:52

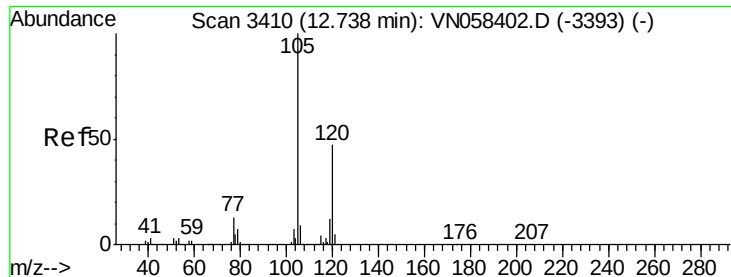
Tgt Ion: 91 Resp: 807175

Ion Ratio Lower Upper

91 100

126 32.6 16.2 48.6





#80

1,3,5-Trimethylbenzene

Concen: 49.281 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion:105 Resp: 989093

Ion Ratio Lower Upper

105 100

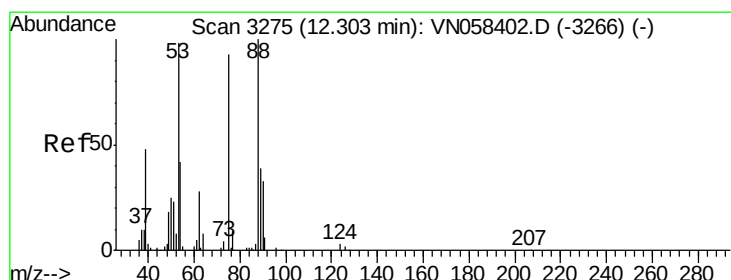
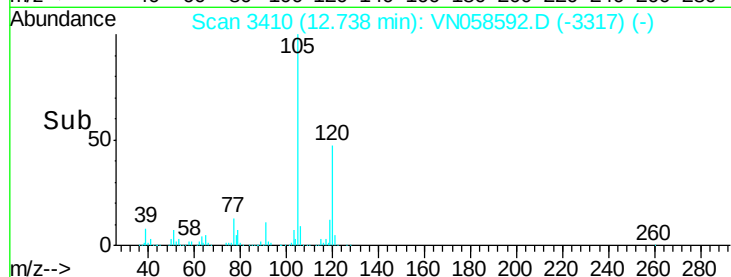
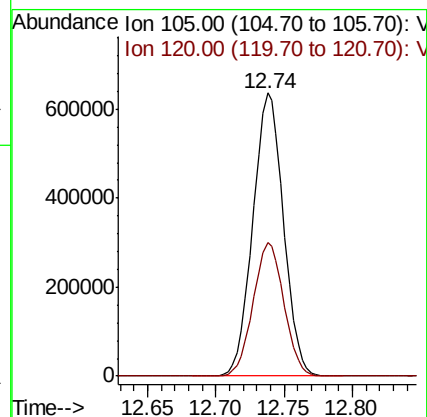
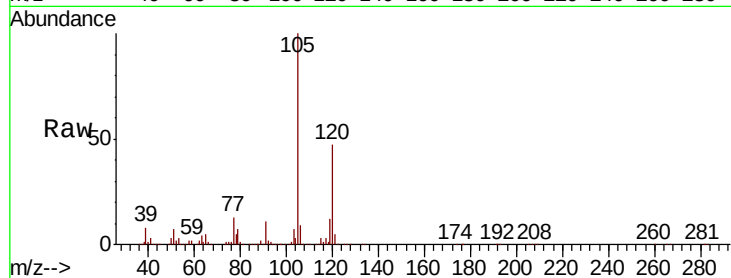
120 47.6 23.5 70.6

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 51.632 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

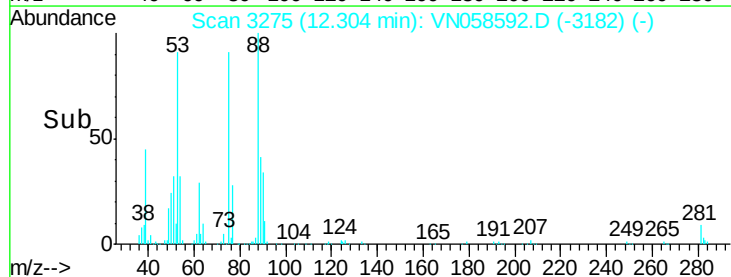
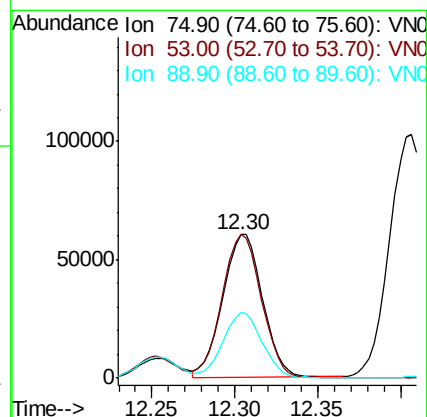
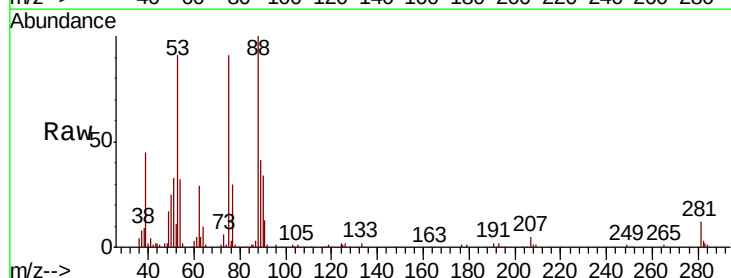
Tgt Ion: 75 Resp: 100740

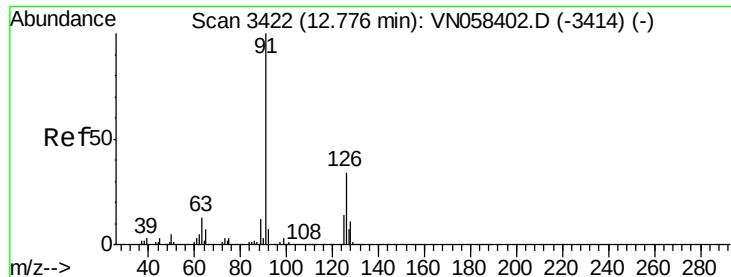
Ion Ratio Lower Upper

75 100

53 100.7 85.4 128.0

89 45.0 35.0 52.4





#82

4-Chlorotoluene

Concen: 48.631 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

ClientSampleId :

MW-28B_100219MS

Tot Ion: 91 Resp: 827354

Ion Ratio Lower Upper

91 100

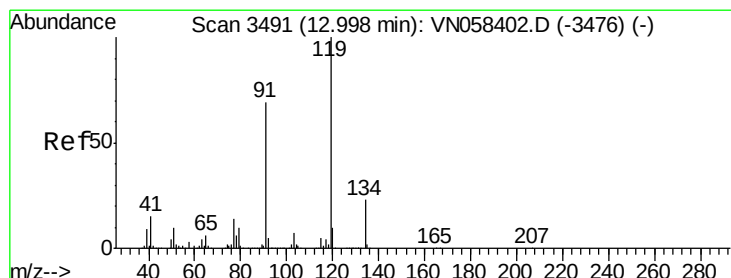
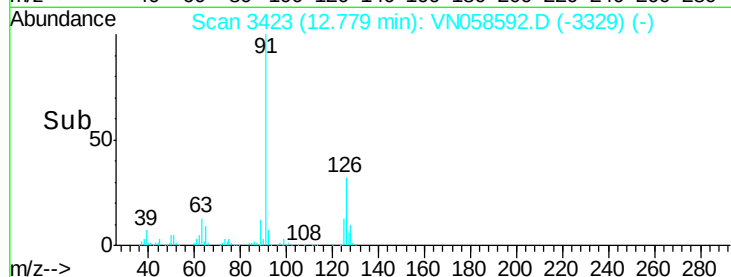
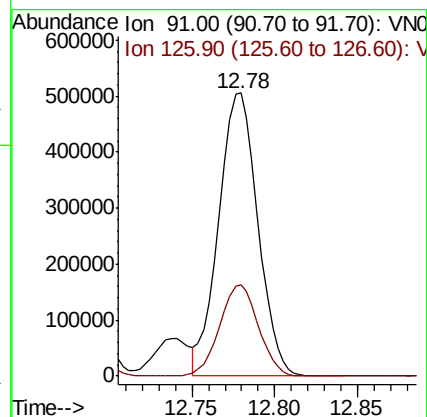
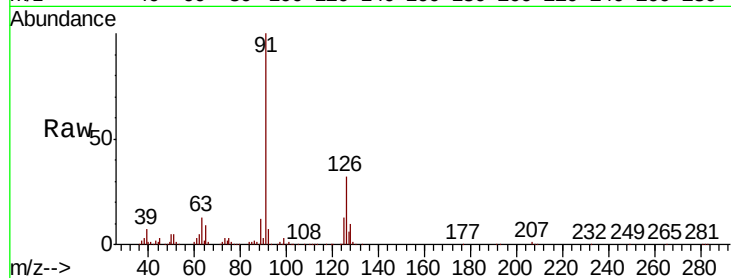
126 32.2 15.9 47.7

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#83

tert-Butylbenzene

Concen: 48.641 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

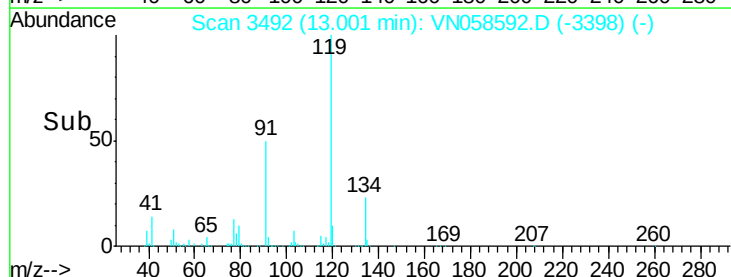
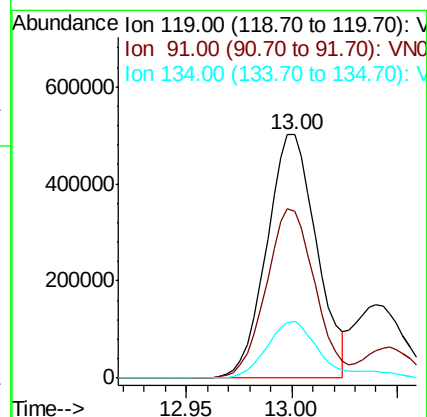
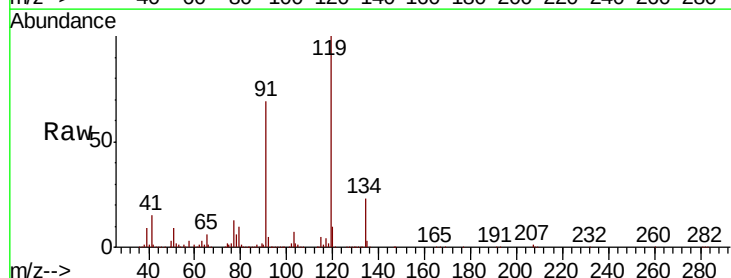
Tgt Ion: 119 Resp: 823782

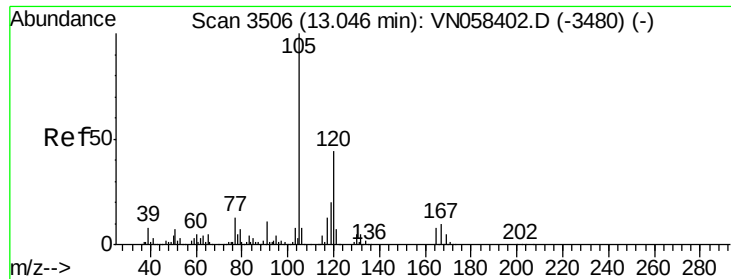
Ion Ratio Lower Upper

119 100

91 67.9 34.2 102.6

134 23.6 11.6 34.8





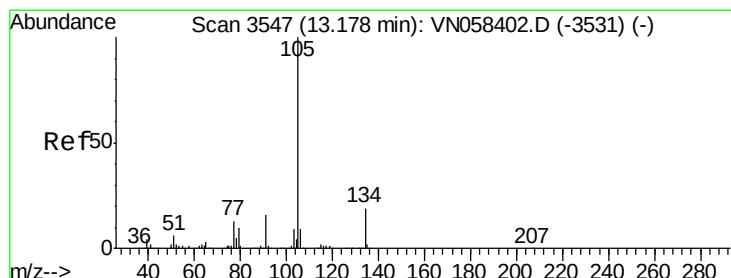
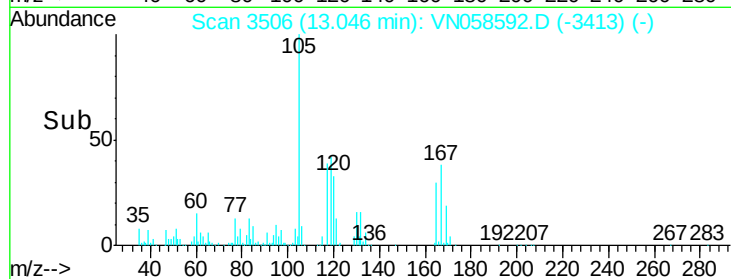
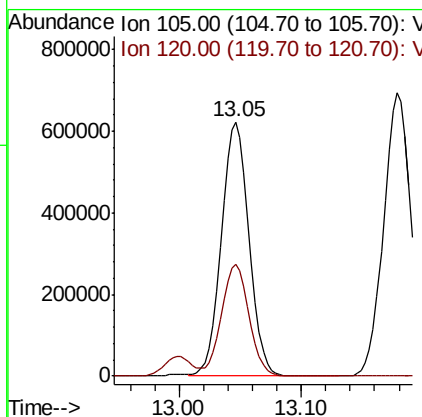
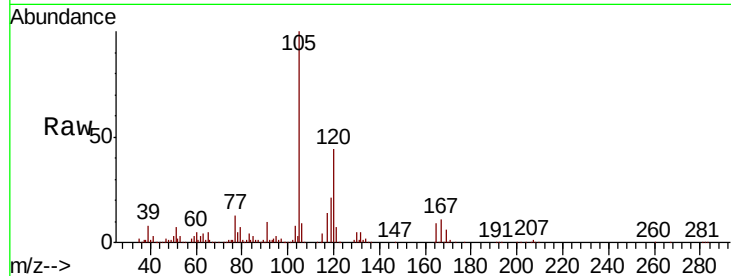
#84
 1,2,4-Trimethylbenzene
 Concen: 49.079 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MS

Tot Ion:105 Resp: 986920
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.7 65.1

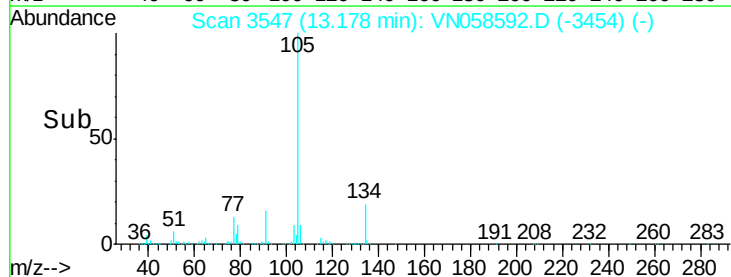
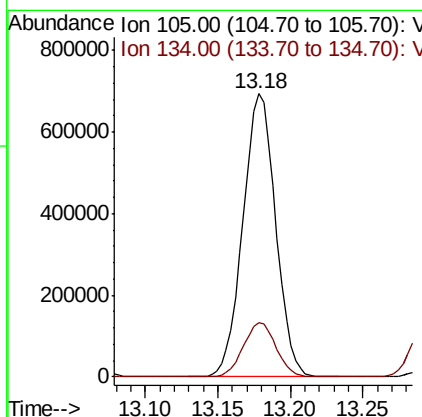
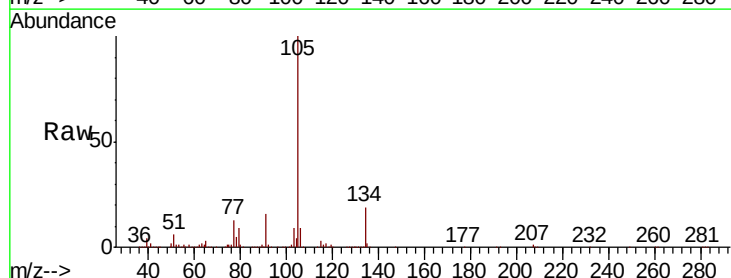
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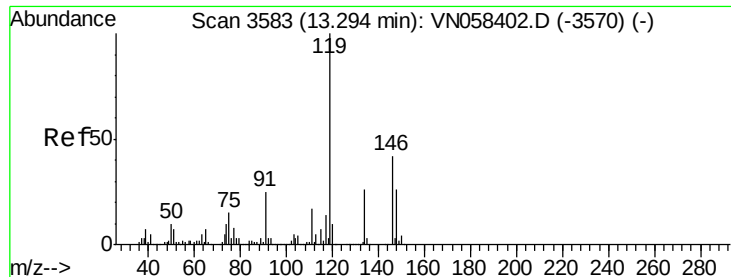
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 10/9/2019 10:50:53 AM



#85
 sec-Butylbenzene
 Concen: 48.853 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Tgt Ion:105 Resp: 1088980
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.4 28.2





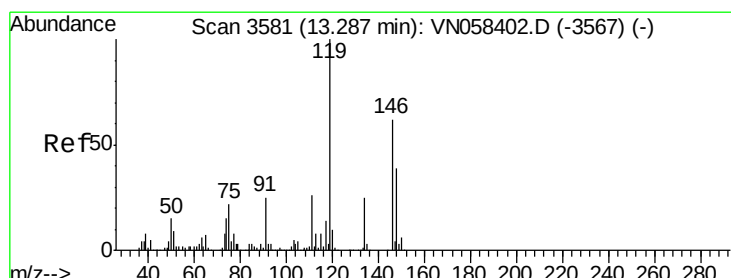
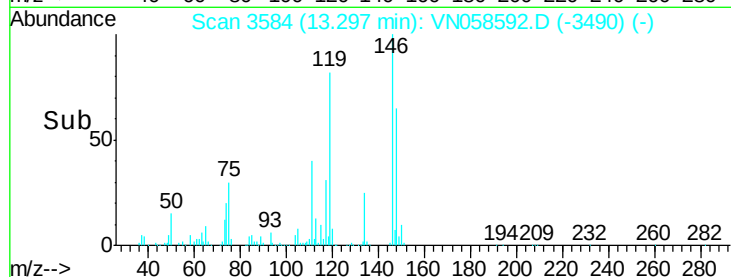
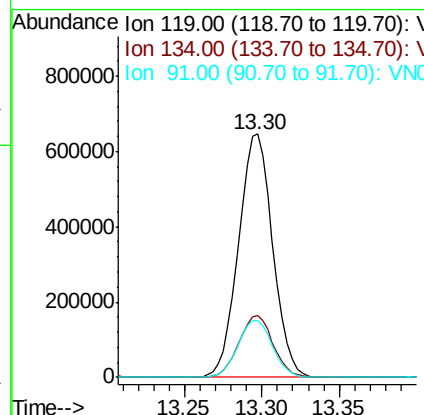
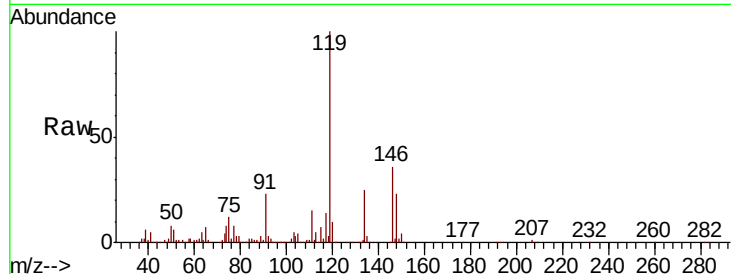
#86
 p-Isopropyltoluene
 Concen: 50.119 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	39.0
91	23.8	12.4	37.0

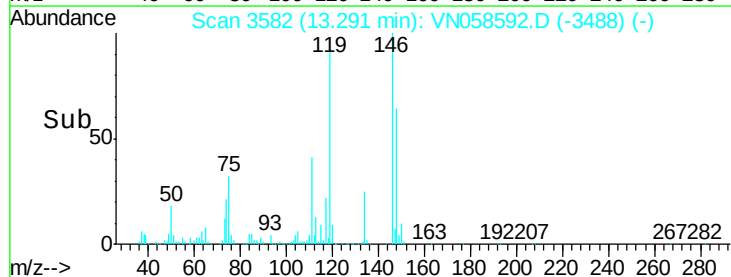
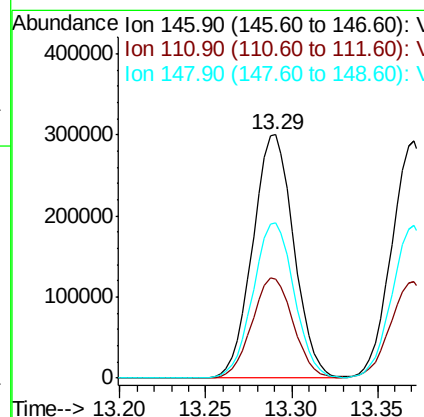
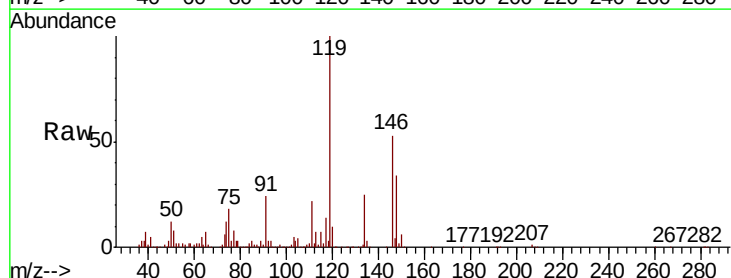
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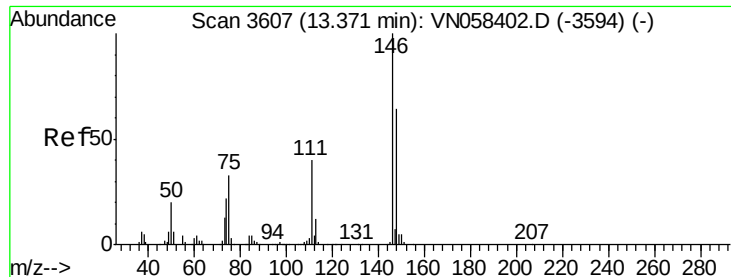
MMDadoda
 10/9/2019 10:50:53 AM



#87
 1,3-Dichlorobenzene
 Concen: 48.937 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.4
148	63.8	31.4	94.3





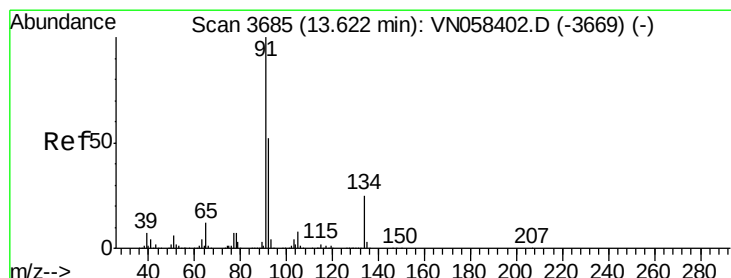
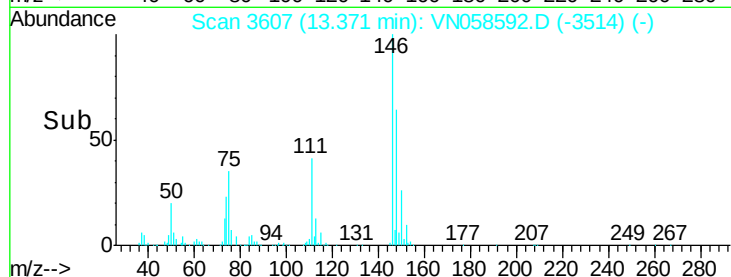
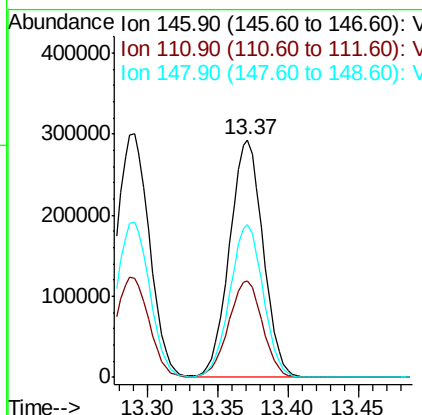
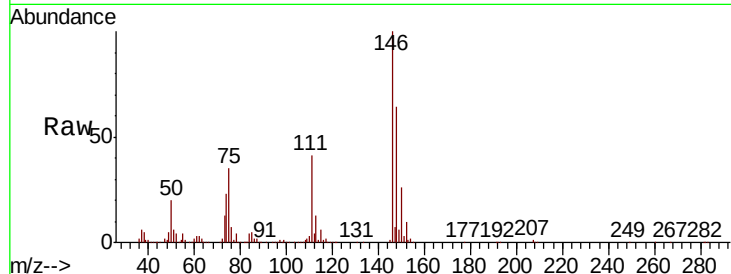
#88
 1,4-Dichlorobenzene
 Concen: 48.066 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.6
148	64.0	31.5	94.5

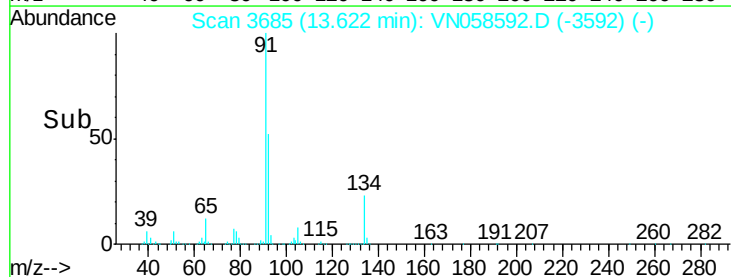
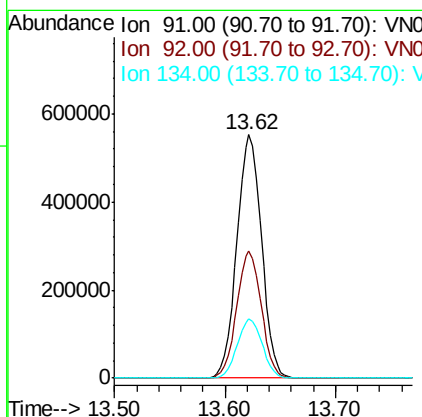
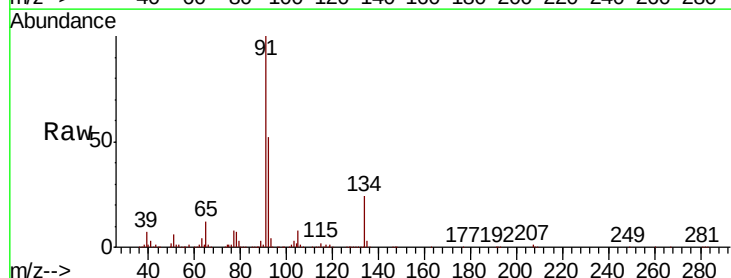
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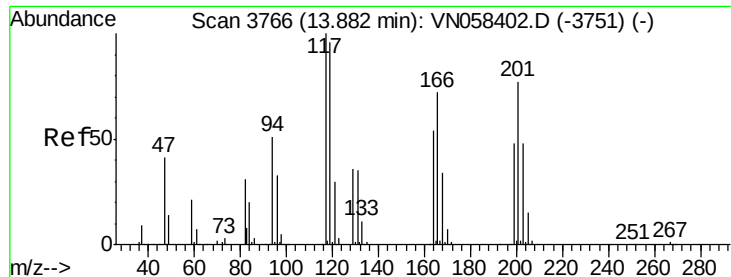
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#89
 n-Butylbenzene
 Concen: 48.319 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.7	77.1
134	24.4	12.2	36.6





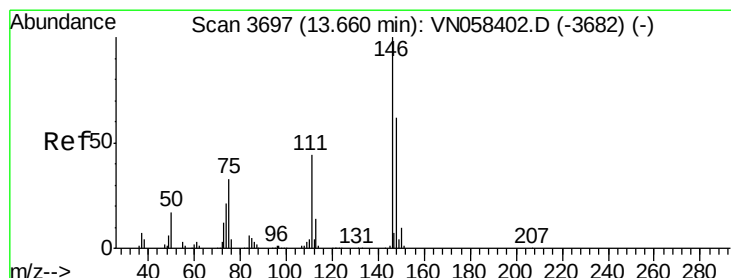
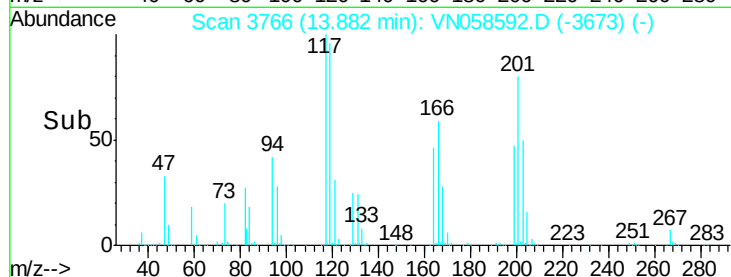
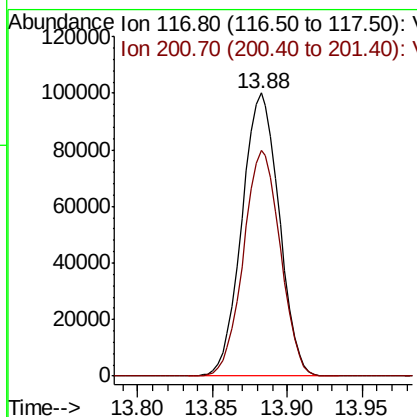
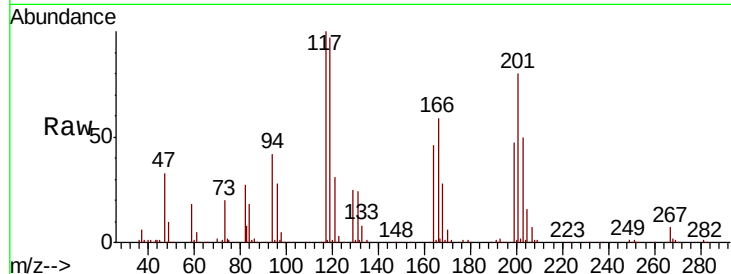
#90
Hexachloroethane
Concen: 58.777 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Instrument :
MSVOA_N
ClientSampleId :
MW-28B_100219MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	173281		
201	79.0	38.6	116.0	

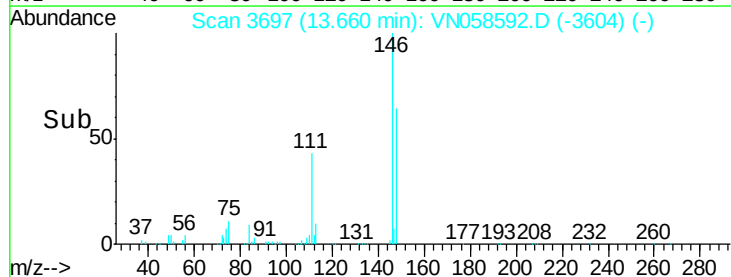
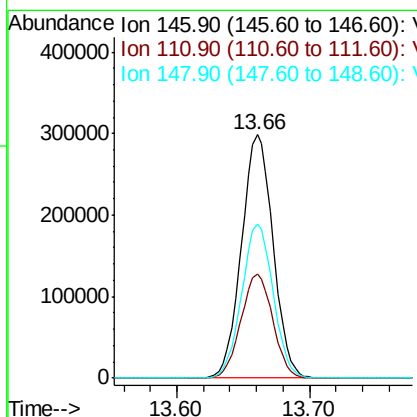
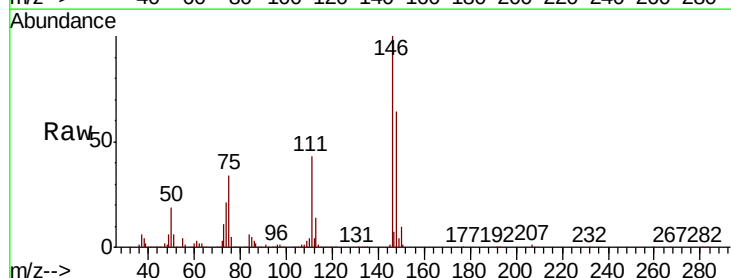
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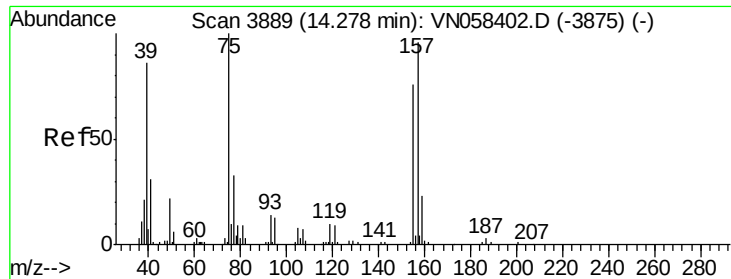
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#91
1,2-Dichlorobenzene
Concen: 50.395 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN058592.D
Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	493610		
111	43.1	21.8	65.3	
148	63.1	31.5	94.5	





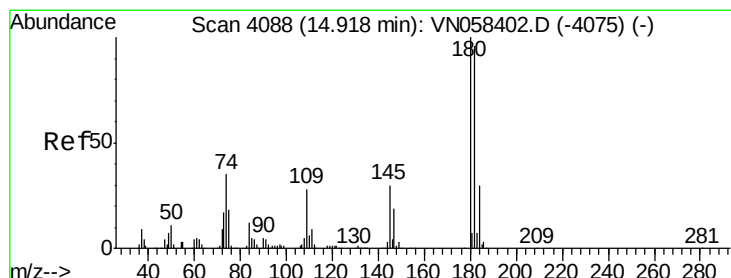
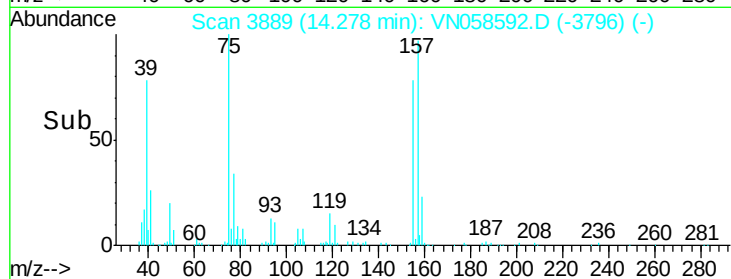
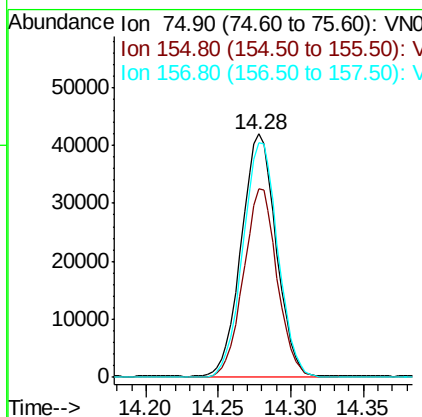
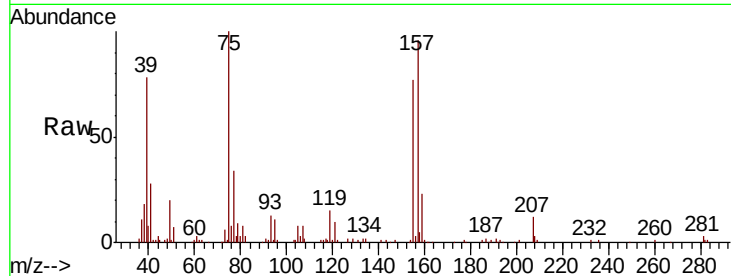
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.869 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	75.2	39.2	117.6
157	97.2	48.7	146.1

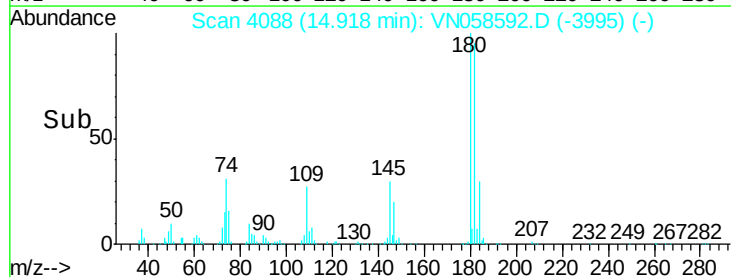
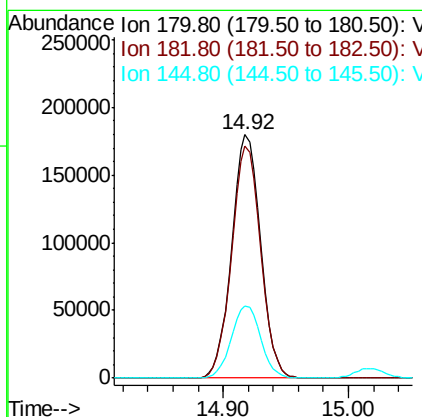
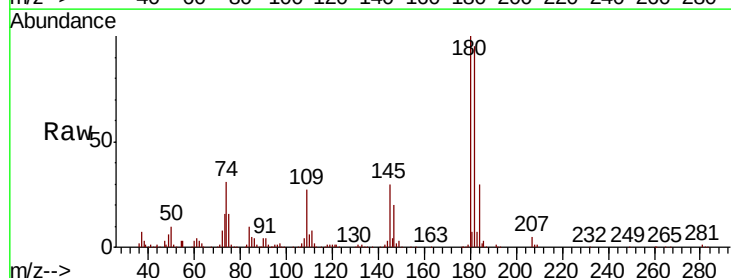
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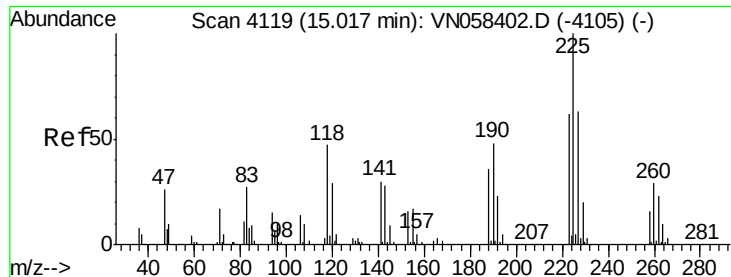
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#93
 1,2,4-Trichlorobenzene
 Concen: 53.153 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	30.4	15.3	45.9





#94

Hexachlorobutadiene

Concen: 47.792 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Instrument :

MSVOA_N

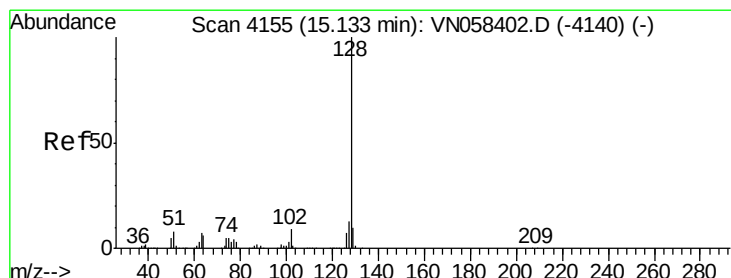
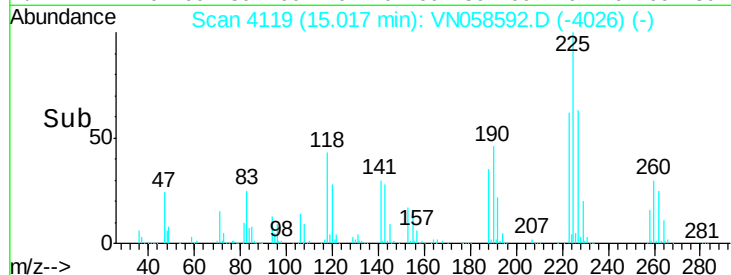
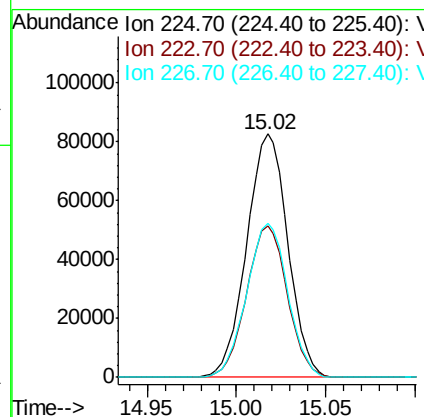
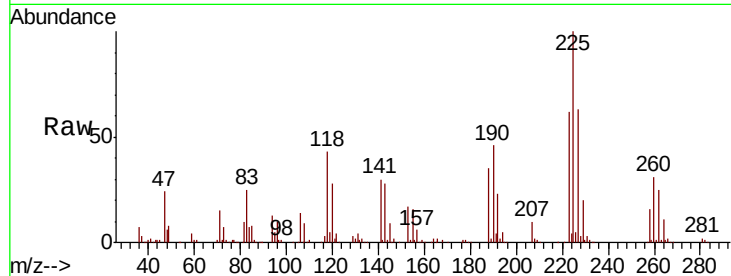
ClientSampleId :

MW-28B_100219MS

Tot Ion	Ratio	Resp	Lower	Upper
225	100	132955		
223	61.8		31.1	93.5
227	63.3		31.4	94.2

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#95

Naphthalene

Concen: 49.837 ug/l

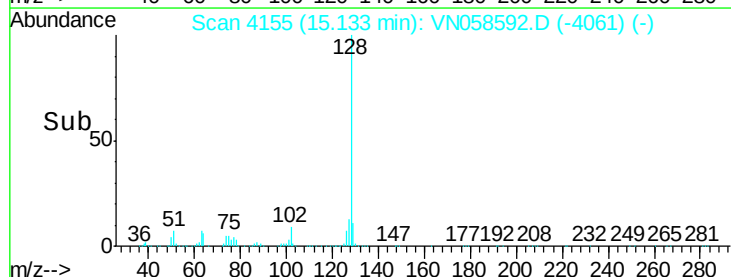
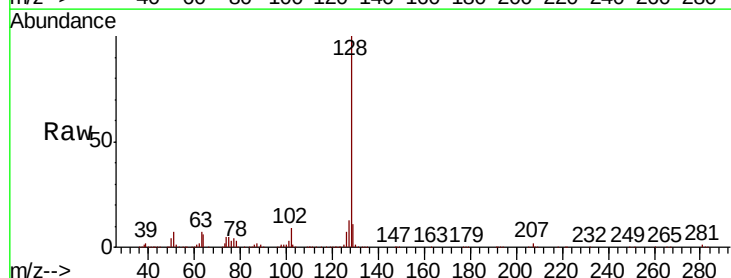
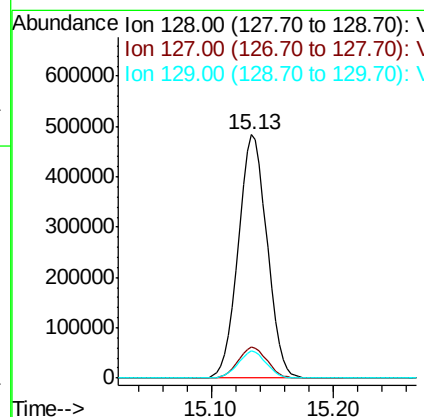
RT: 15.13 min Scan# 4155

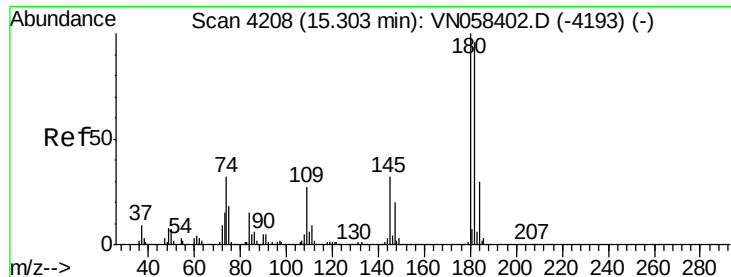
Delta R.T. 0.00 min

Lab File: VN058592.D

Acq: 8 Oct 2019 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	789963		
127	12.7		10.2	15.4
129	10.9		8.3	12.5





#96
 1,2,3-Trichlorobenzene
 Concen: 49.928 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058592.D
 Acq: 8 Oct 2019 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.6	48.3	144.9
145	31.9	16.1	48.3

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:53 AM

