

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056081.D
 Acq On : 7 Jun 2019 6:49
 Operator : JC/SP
 Sample : K3190-16MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MS

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 9:41:55 AM

Quant Time: Jun 07 07:31:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	278684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	429061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	385937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	169491	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	153452	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
35) Dibromofluoromethane	7.59	113	139503	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	10.09	98	516469	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	176077	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	149668	48.893	ug/l	100
3) Chloromethane	2.06	50	168055	55.630	ug/l	99
4) Vinyl Chloride	2.18	62	165482	54.609	ug/l	99
5) Bromomethane	2.52	94	95402	49.839	ug/l	99
6) Chloroethane	2.68	64	95870	54.566	ug/l	99
7) Trichlorofluoromethane	3.00	101	194257	50.215	ug/l	99
8) Diethyl Ether	3.40	74	81312	51.112	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	113781	48.419	ug/l	100
10) Methyl Iodide	3.94	142	171639	45.962	ug/l	99
11) Tert butyl alcohol	4.81	59	138587	287.803	ug/l	99
12) 1,1-Dichloroethene	3.72	96	122518	52.369	ug/l	99
13) Acrolein	3.60	56	30036	216.276	ug/l	96
14) Allyl chloride	4.31	41	188033	50.899	ug/l	98
15) Acrylonitrile	4.99	53	356626	304.238	ug/l	99
16) Acetone	3.82	43	293127	221.493	ug/l	100
17) Carbon Disulfide	4.04	76	260960	46.586	ug/l	99
18) Methyl Acetate	4.33	43	132421	50.950	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	409420	54.902	ug/l	99
20) Methylene Chloride	4.54	84	149192	54.718	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	131282	52.373	ug/l	98
22) Diisopropyl ether	5.95	45	418772	54.838	ug/l	98
23) Vinyl Acetate	5.90	43	1423676	236.737	ug/l	99
24) 1,1-Dichloroethane	5.84	63	239213	54.305	ug/l	100
25) 2-Butanone	6.84	43	463598	277.256	ug/l	100
26) 2,2-Dichloropropane	6.82	77	96861	28.179	ug/l	92
27) cis-1,2-Dichloroethene	6.82	96	158183	53.684	ug/l	94
28) Bromochloromethane	7.19	49	116496	55.923	ug/l	98
29) Tetrahydrofuran	7.22	42	309608	299.547	ug/l	99
30) Chloroform	7.37	83	242160	54.648	ug/l	98
31) Cyclohexane	7.65	56	198944	45.309	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	196586	53.125	ug/l	99
36) 1,1-Dichloropropene	7.79	75	173307	46.975	ug/l	99
37) Ethyl Acetate	6.93	43	157024	47.835	ug/l	99
38) Carbon Tetrachloride	7.77	117	161121	47.370	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	186342	40.546	ug/l	99
40) Benzene	8.04	78	568677	50.751	ug/l	100
41) Methacrylonitrile	7.17	41	80723	53.448	ug/l	88
42) 1,2-Dichloroethane	8.12	62	180155	49.982	ug/l	100
43) Isopropyl Acetate	8.17	43	256222	48.168	ug/l #	92
44) Trichloroethene	8.83	130	158655	49.274	ug/l	99
45) 1,2-Dichloropropane	9.12	63	149913	52.232	ug/l	99
46) Dibromomethane	9.21	93	98175	52.308	ug/l	99
47) Bromodichloromethane	9.40	83	173871	51.114	ug/l	98
48) Methyl methacrylate	9.20	41	141291	54.293	ug/l	96
49) 1,4-Dioxane	9.20	88	64032	1139.717	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	919997	276.569	ug/l	99
52) Toluene	10.16	92	355411	50.972	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	167382	42.355	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	195059	47.705	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	144880	52.455	ug/l	99
56) Ethyl methacrylate	10.43	69	217708	54.030	ug/l	98
57) 1,3-Dichloropropane	10.71	76	238516	53.122	ug/l	99
59) 2-Hexanone	10.75	43	640263	265.565	ug/l	99
60) Dibromochloromethane	10.90	129	140289	46.247	ug/l	98
61) 1,2-Dibromoethane	11.00	107	151323	53.593	ug/l	99
64) Tetrachloroethene	10.63	164	150855	45.156	ug/l	99
65) Chlorobenzene	11.43	112	380695	49.564	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	136273	51.382	ug/l	99
67) Ethyl Benzene	11.51	91	647474	48.479	ug/l	99
68) m/p-Xylenes	11.62	106	500964	98.188	ug/l	97
69) o-Xylene	11.95	106	249399	49.694	ug/l	99
70) Stvrene	11.96	104	414379	51.966	ug/l	100
71) Bromoform	12.13	173	100742	45.505	ug/l #	99
73) Isopropylbenzene	12.25	105	632842	52.503	ug/l	100
74) N-amyl acetate	12.07	43	195653	43.305	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	201925	51.320	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	170177m	54.566	ug/l	
77) Bromobenzene	12.53	156	176977	48.771	ug/l	96
78) n-propylbenzene	12.59	91	663168	46.250	ug/l	99
79) 2-Chlorotoluene	12.67	91	421257	53.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	525464	46.110	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37690	40.246	ug/l #	85
82) 4-Chlorotoluene	12.77	91	406021	48.400	ug/l	100
83) tert-Butylbenzene	12.99	119	455886	51.649	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	518558	47.985	ug/l	99
85) sec-Butylbenzene	13.17	105	569008	44.810	ug/l	100
86) p-Isopropyltoluene	13.29	119	520789	45.826	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	275602	49.072	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	263995	48.864	ug/l	99
89) n-Butylbenzene	13.61	91	370727	44.036	ug/l	99
90) Hexachloroethane	13.87	117	79003	46.096	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	280261	49.427	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30479	54.159	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	125618	41.039	ug/l	99

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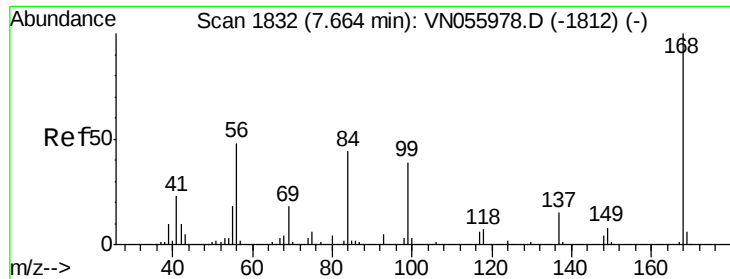
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	85208	43.545	ug/l	98
95) Naphthalene	15.13	128	356148	44.399	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142021	44.926	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion:168 Resp: 278684

Ion Ratio Lower Upper

168 100

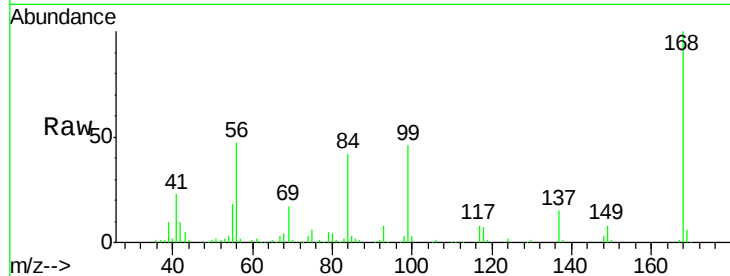
99 46.0 37.2 55.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

120000

100000

80000

60000

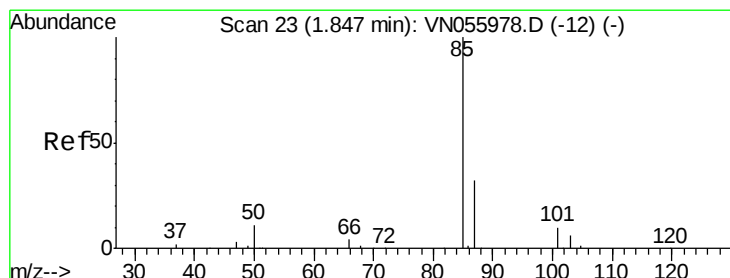
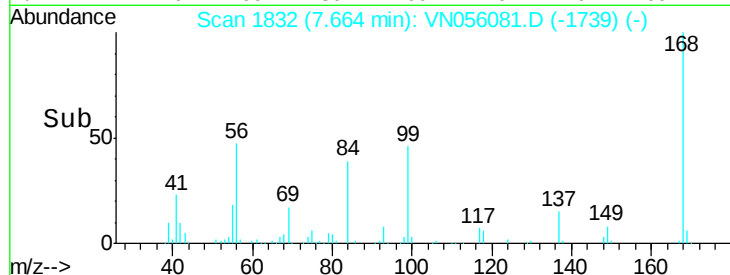
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.893 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056081.D

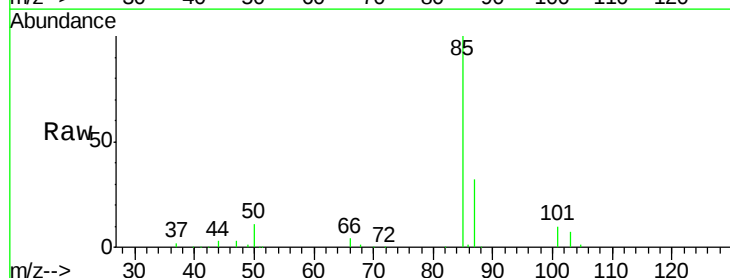
Acq: 7 Jun 2019 6:49

Tgt Ion: 85 Resp: 149668

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

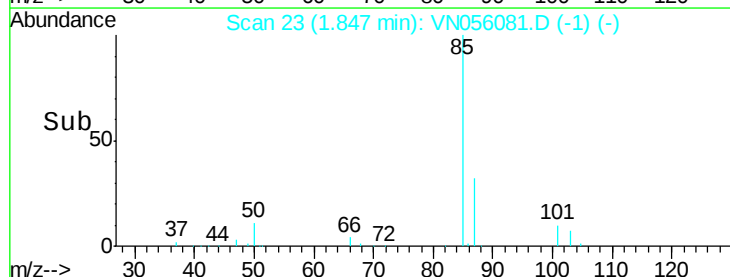
40000

20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 55.630 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion: 50 Resp: 168055

Ion Ratio Lower Upper

50 100

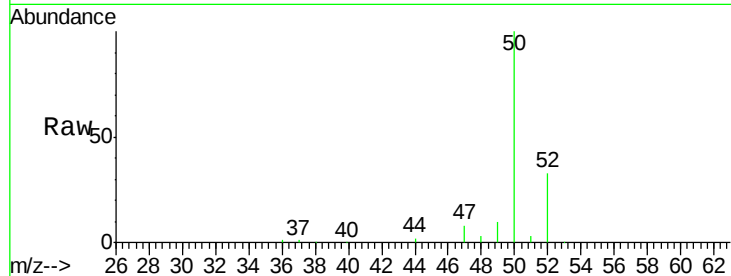
52 32.9 26.6 40.0

Manual Integrations

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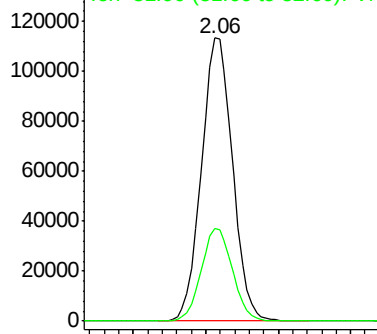
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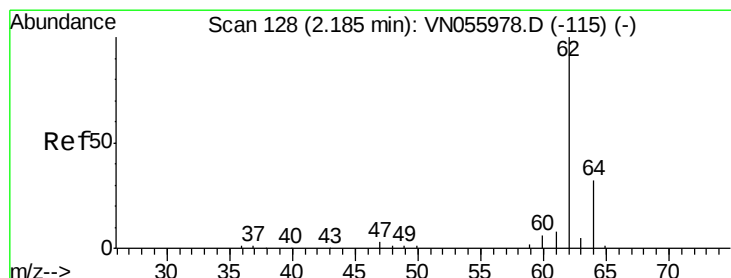
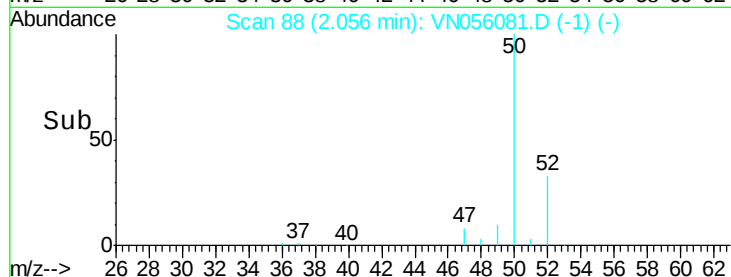


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 54.609 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056081.D

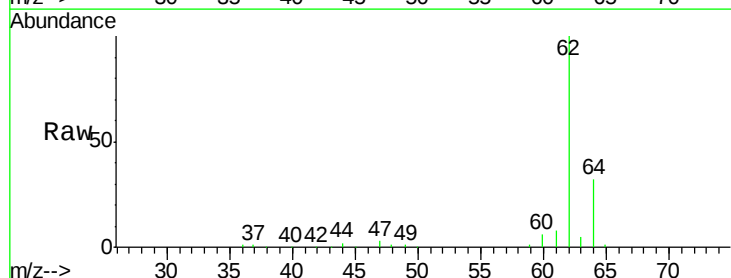
Acq: 7 Jun 2019 6:49

Tgt Ion: 62 Resp: 165482

Ion Ratio Lower Upper

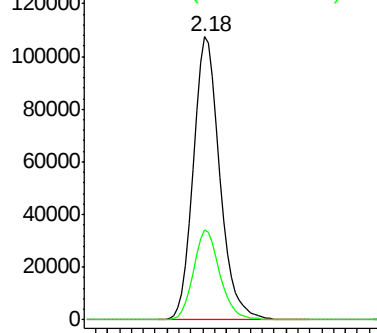
62 100

64 31.6 25.6 38.4

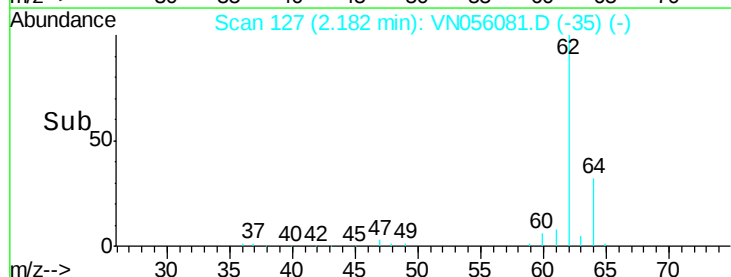


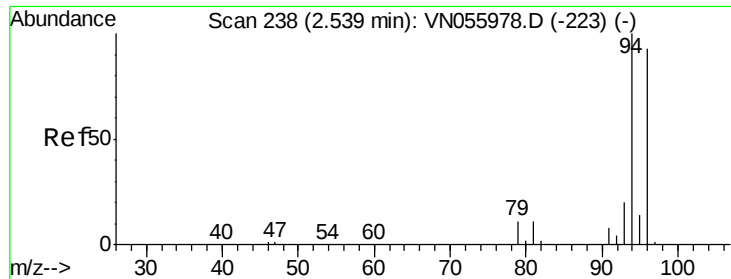
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





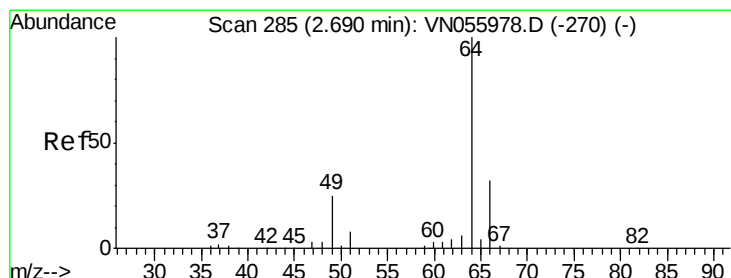
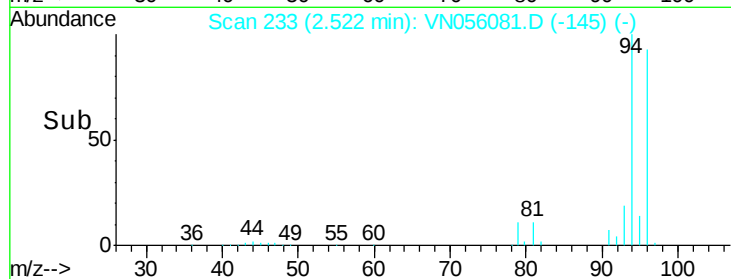
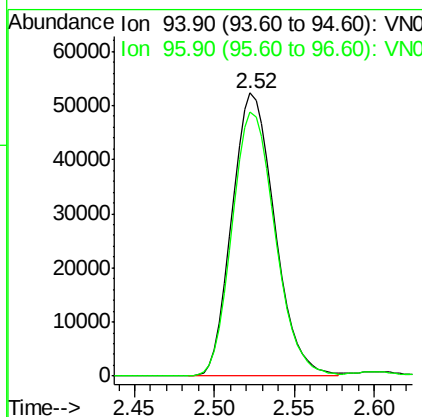
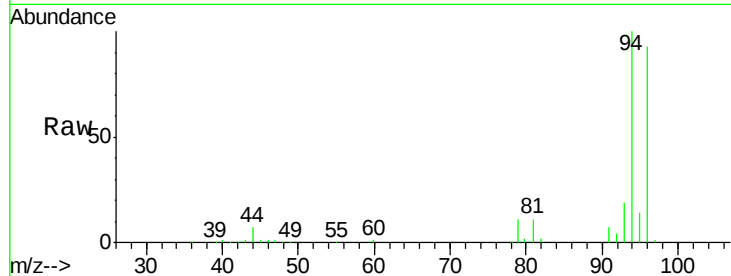
#5
Bromomethane
Concen: 49.839 ug/l
RT: 2.52 min Scan# 233
Delta R.T. -0.02 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

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Tot Ion: 94 Resp: 95402
Ion Ratio Lower Upper
94 100
96 93.2 75.5 113.3

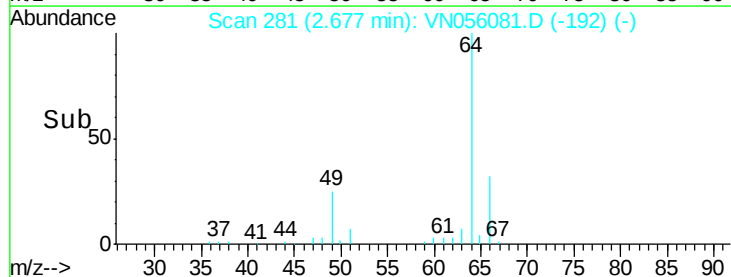
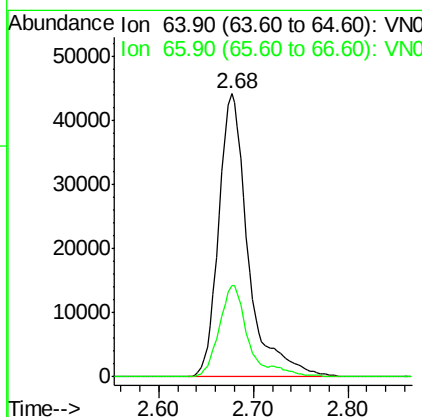
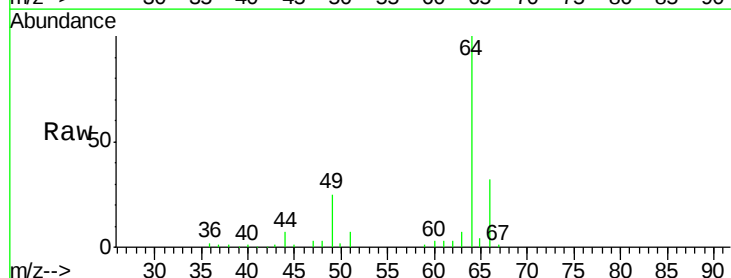
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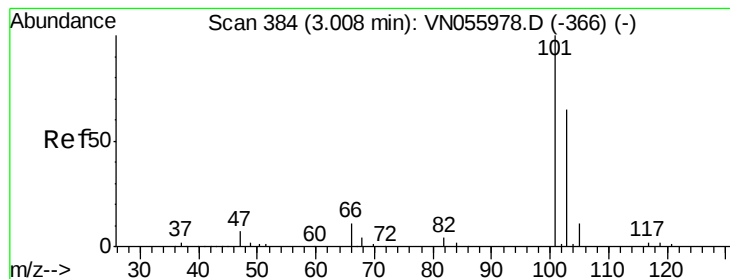
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#6
Chloroethane
Concen: 54.566 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.01 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion: 64 Resp: 95870
Ion Ratio Lower Upper
64 100
66 32.4 25.4 38.0





#7

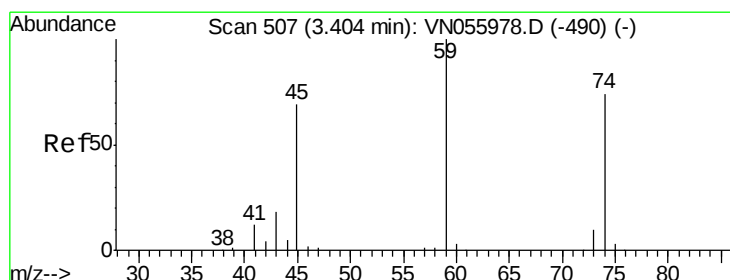
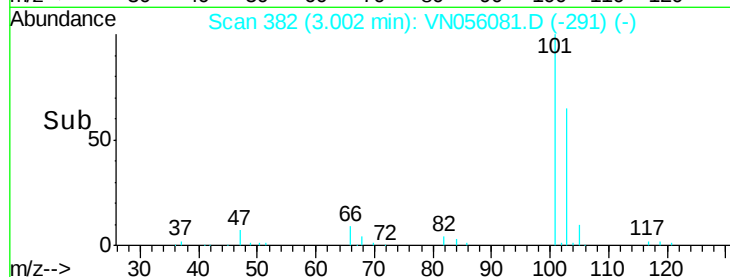
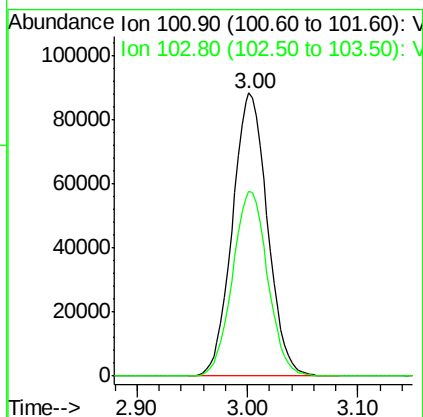
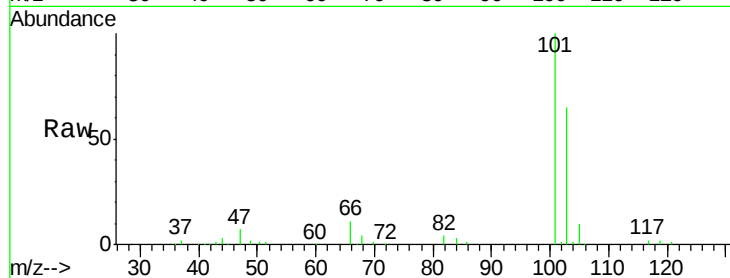
Trichlorofluoromethane
Concen: 50.215 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion:101 Resp: 194257
Ion Ratio Lower Upper
101 100
103 65.1 51.2 76.8

Manual Integrations
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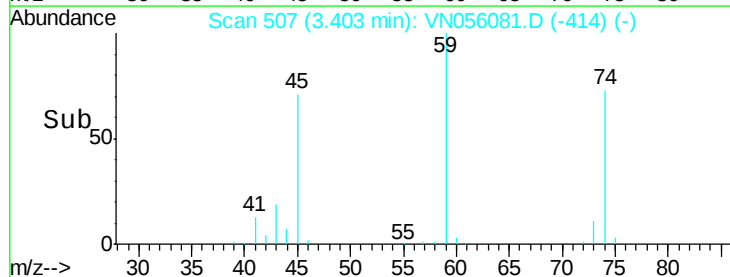
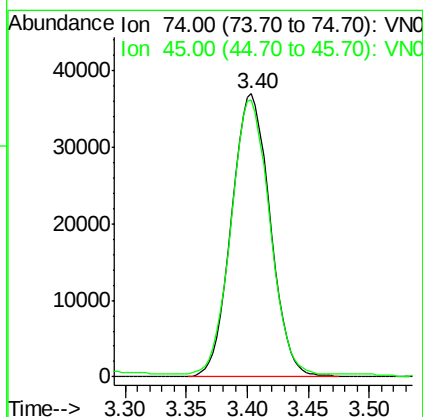
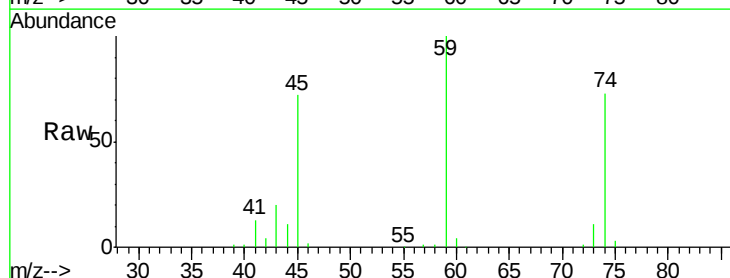
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6/7/2019 9:41:55 AM



#8

Diethyl Ether
Concen: 51.112 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion: 74 Resp: 81312
Ion Ratio Lower Upper
74 100
45 96.9 48.6 145.9





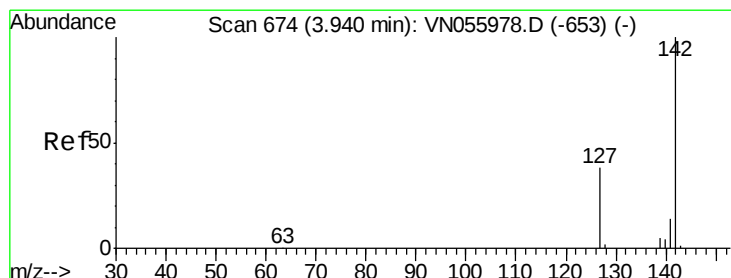
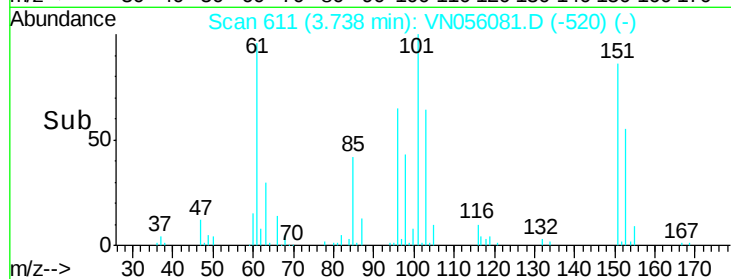
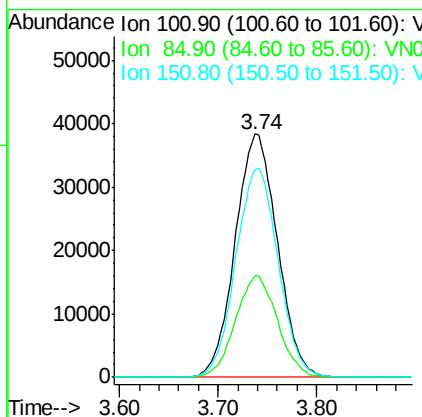
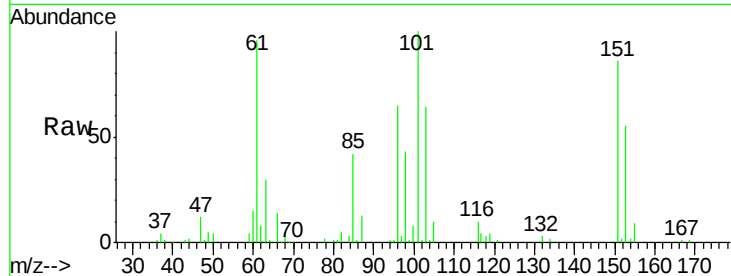
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.419 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.01 min
Lab File: VN056081.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	113781		
85	41.5	33.4	50.2	
151	86.5	69.4	104.2	

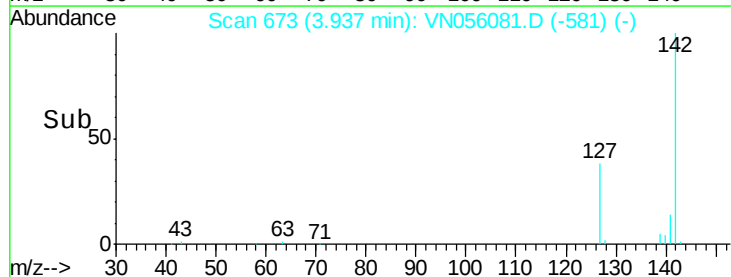
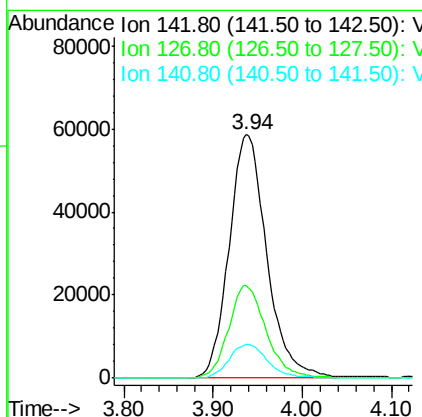
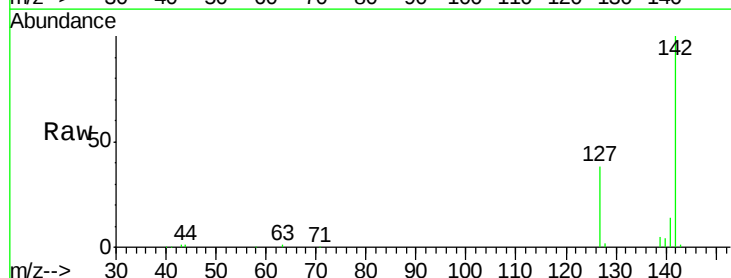
Manual Integrations
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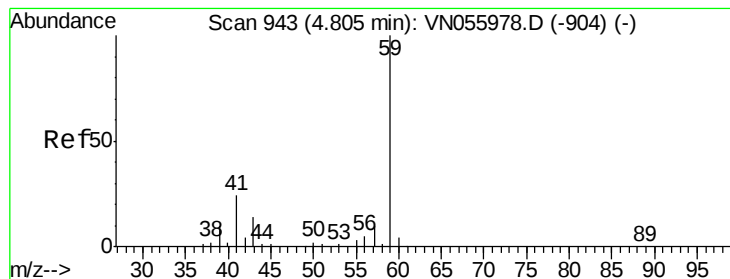
MMDadoda
6/7/2019 9:41:55 AM



#10
Methyl Iodide
Concen: 45.962 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	171639		
127	38.1	31.0	46.4	
141	14.2	11.4	17.0	





#11

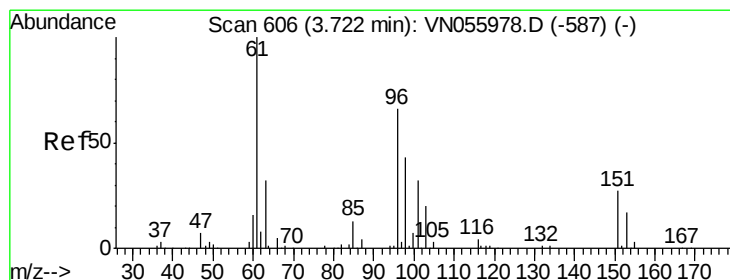
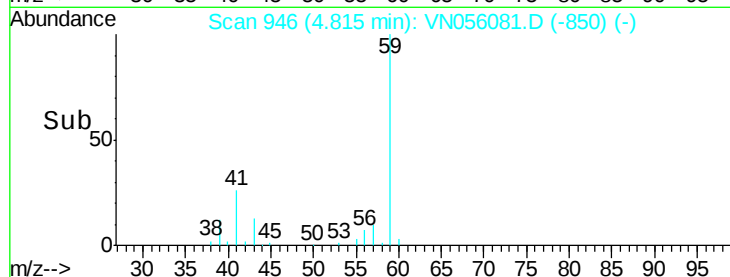
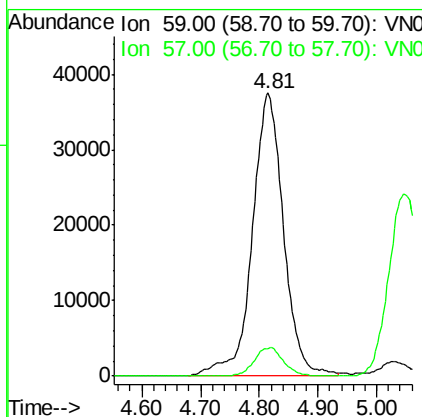
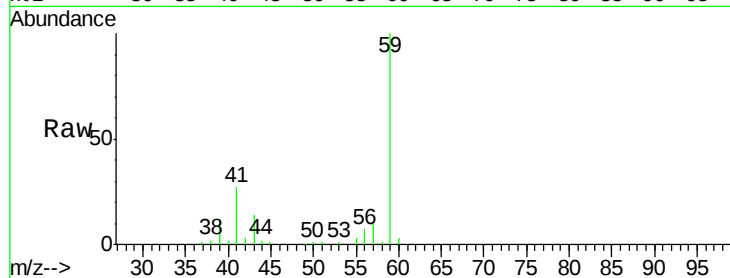
Tert butyl alcohol
Concen: 287.803 ug/l
RT: 4.81 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.6

Manual Integrations
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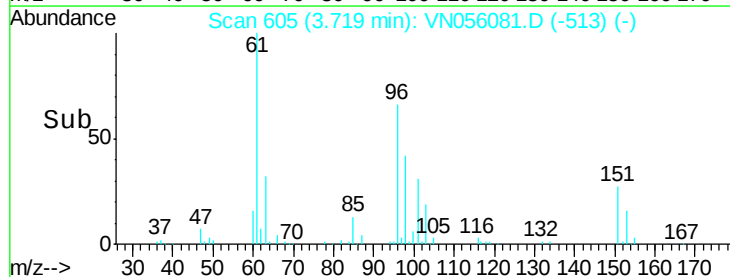
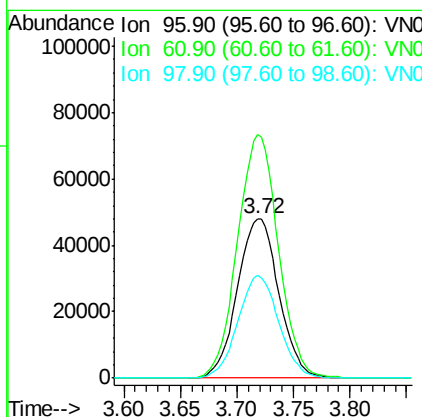
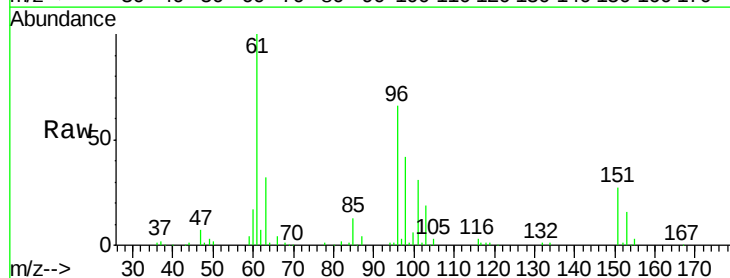
MMDadoda
6/7/2019 9:41:55 AM

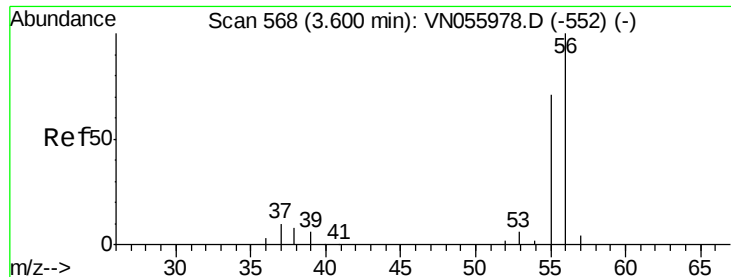


#12

1,1-Dichloroethene
Concen: 52.369 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.4	123.2	184.8
98	64.1	50.4	75.6





#13

Acrolein

Concen: 216.276 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion: 56 Resp: 30036

Ion Ratio Lower Upper

56 100

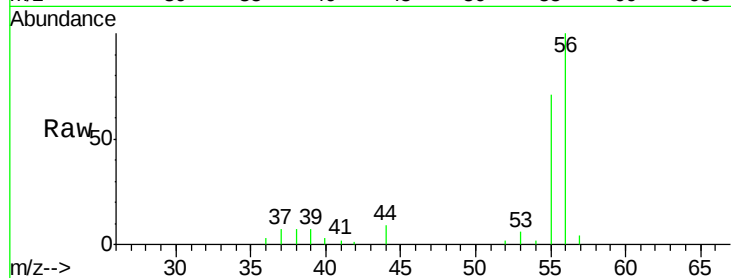
55 72.6 55.4 83.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

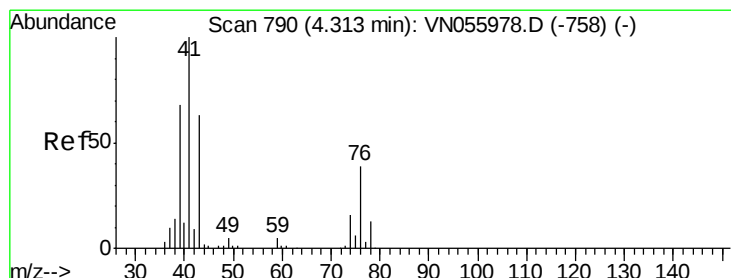
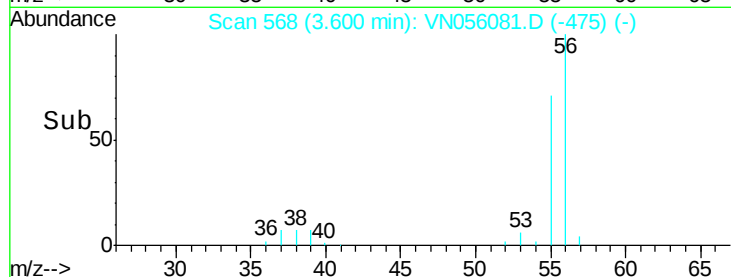
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 50.899 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

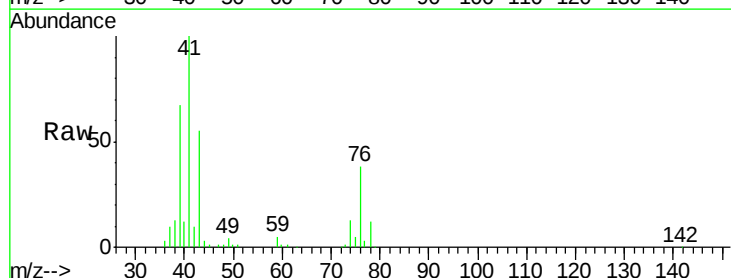
Tgt Ion: 41 Resp: 188033

Ion Ratio Lower Upper

41 100

39 61.2 50.0 75.0

76 33.6 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

80000

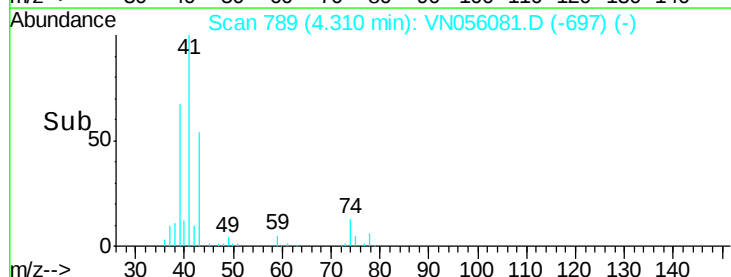
60000

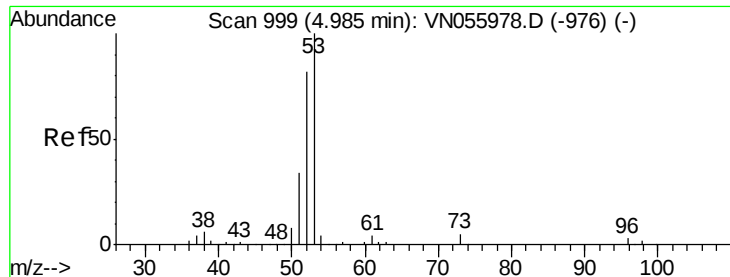
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 304.238 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

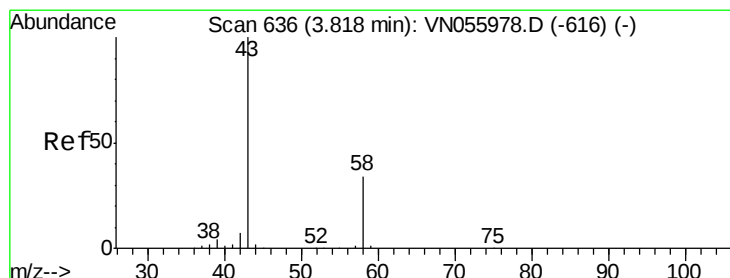
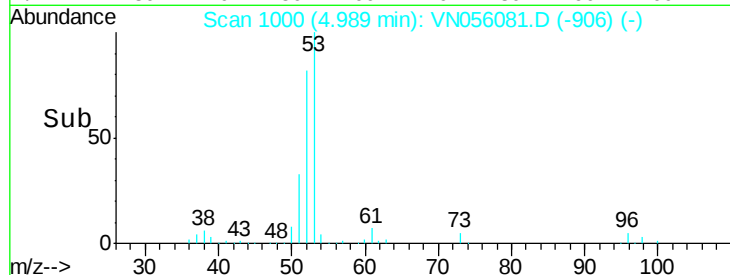
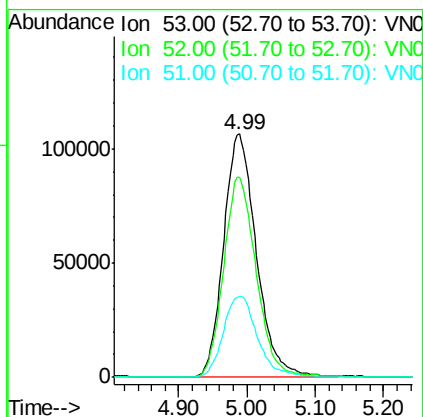
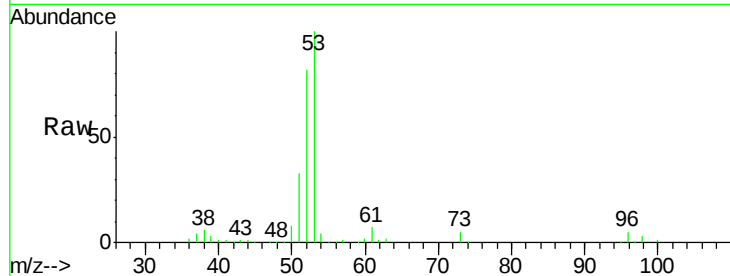
ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion:	53	Resp:	35626
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.8	98.8
51	34.8	28.2	42.4

Manual Integrations
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MMDadoda
6/7/2019 9:41:55 AM



#16

Acetone

Concen: 221.493 ug/l

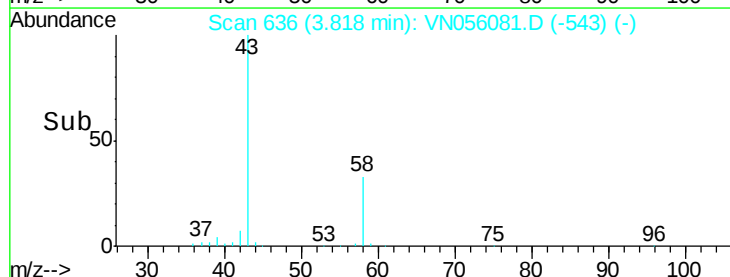
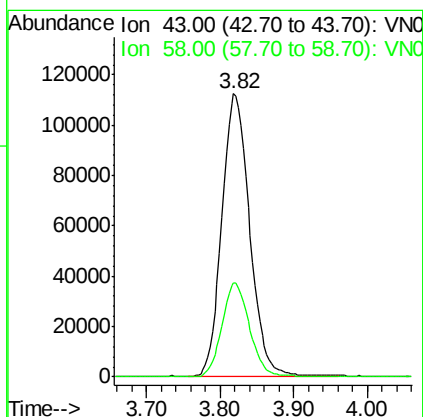
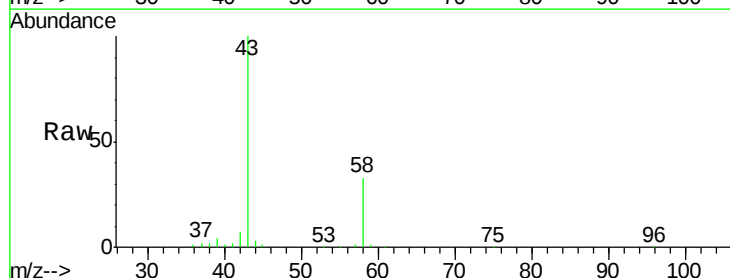
RT: 3.82 min Scan# 636

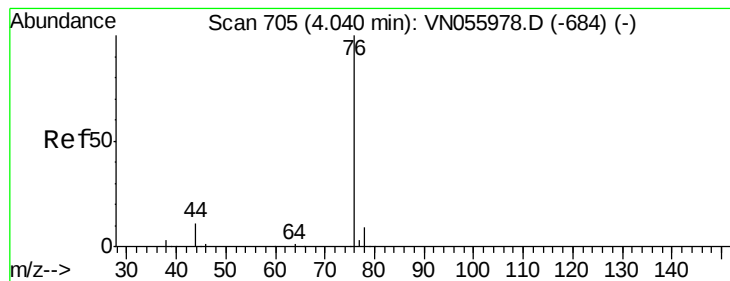
Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Tgt Ion:	43	Resp:	293127
Ion Ratio	Lower	Upper	
43	100		
58	33.4	26.6	39.8





#17

Carbon Disulfide

Concen: 46.586 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion: 76 Resp: 260960

Ion Ratio Lower Upper

76 100

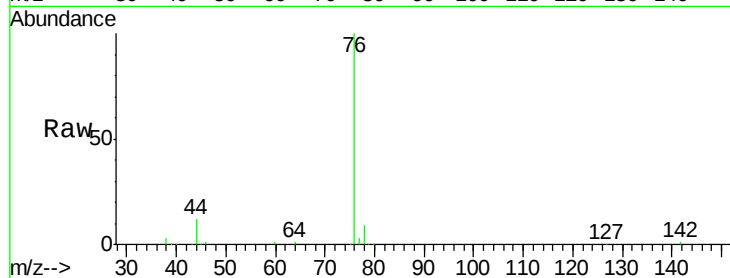
78 9.5 7.4 11.2

Manual Integrations

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MMDadoda

6/7/2019 9:41:55 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.04

100000

80000

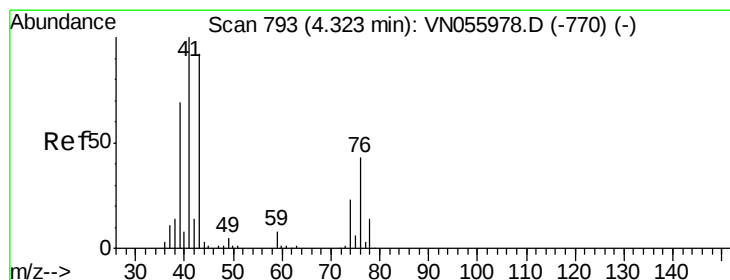
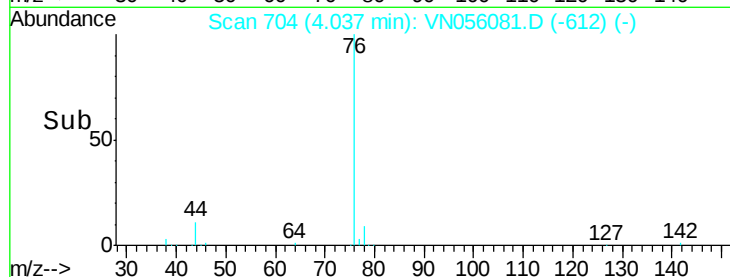
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 50.950 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056081.D

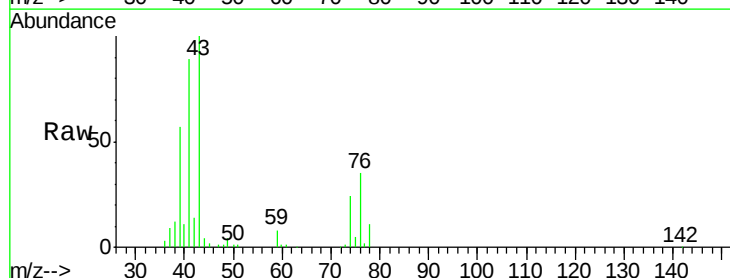
Acq: 7 Jun 2019 6:49

Tgt Ion: 43 Resp: 132421

Ion Ratio Lower Upper

43 100

74 24.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

50000

40000

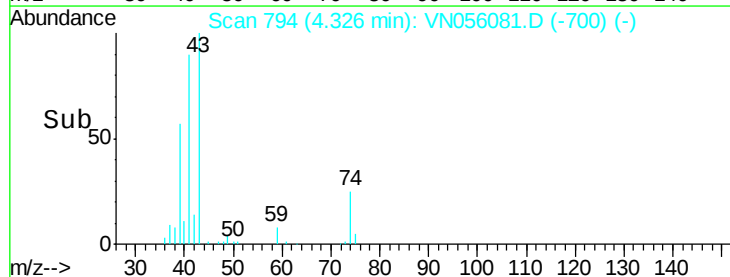
30000

20000

10000

0

Time-->





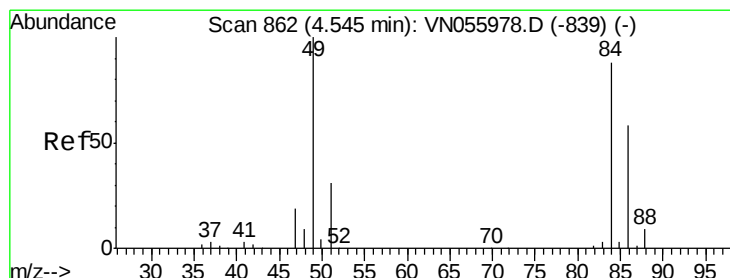
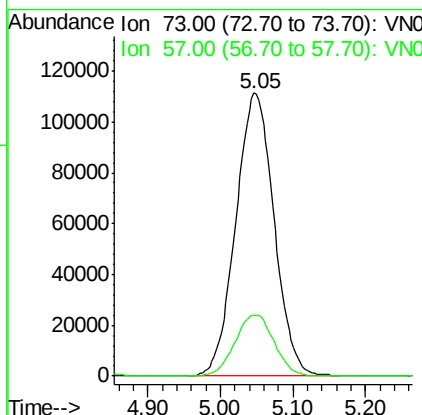
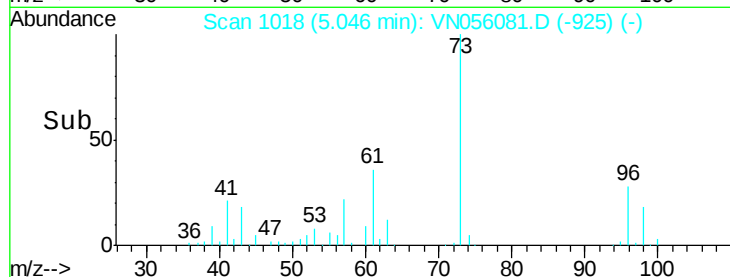
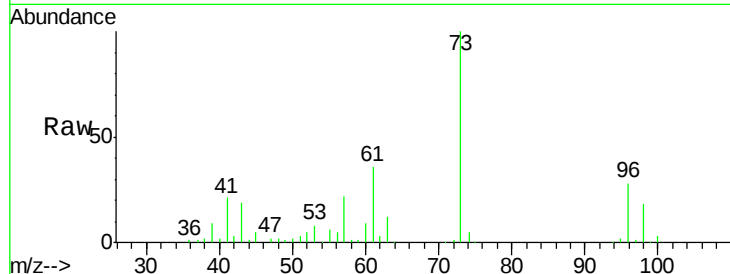
#19
Methvl tert-butvl Ether
Concen: 54.902 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion: 73 Resp: 409420
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.8

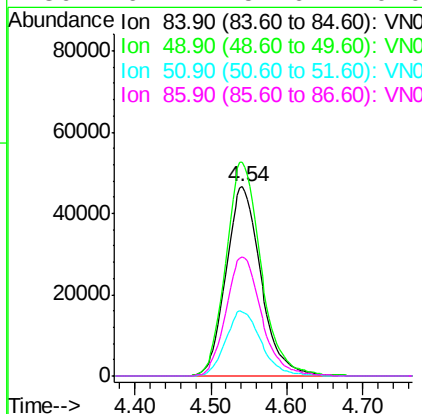
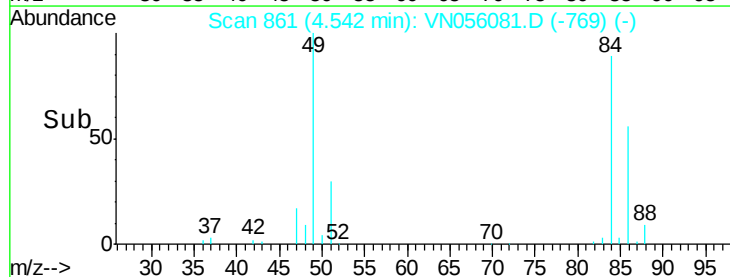
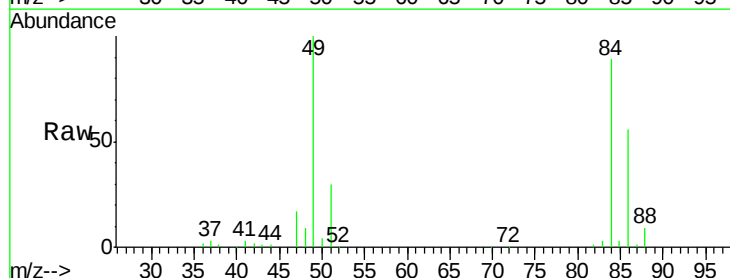
Manual Integrations
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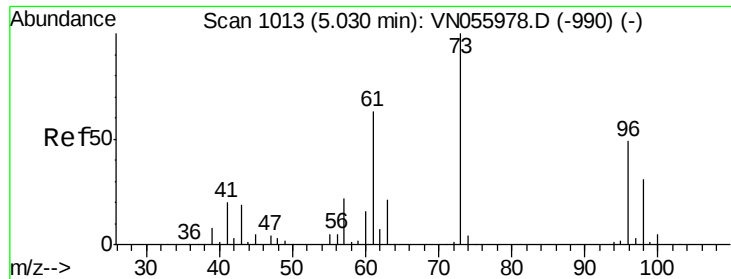
MMDadoda
6/7/2019 9:41:55 AM



#20
Methylene Chloride
Concen: 54.718 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion: 84 Resp: 149192
Ion Ratio Lower Upper
84 100
49 112.9 93.5 140.3
51 34.1 28.6 43.0
86 62.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 52.373 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion: 96 Resp: 131282

Ion Ratio Lower Upper

96 100

61 136.2 107.8 161.8

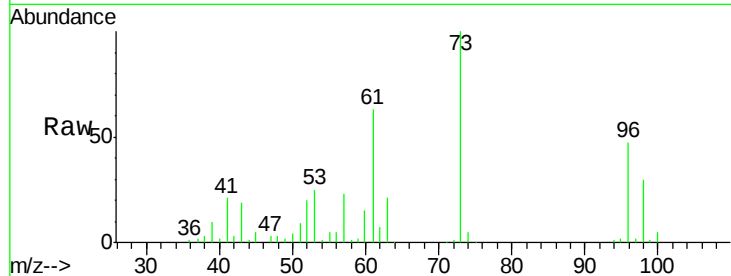
98 64.4 49.8 74.8

Manual Integrations

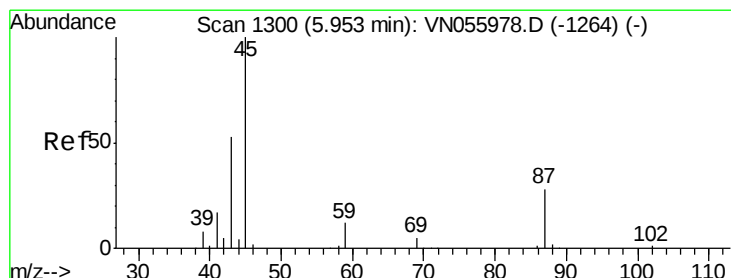
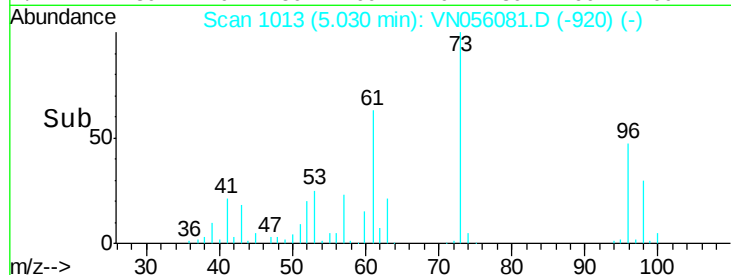
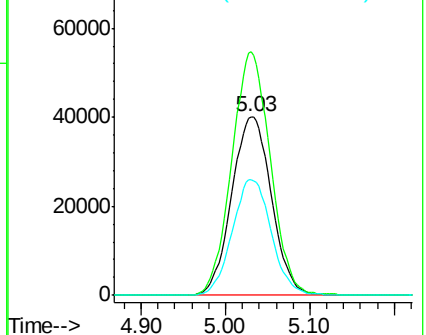
APPROVED

MMDadoda

6/7/2019 9:41:55 AM



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 54.838 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Tgt Ion: 45 Resp: 418772

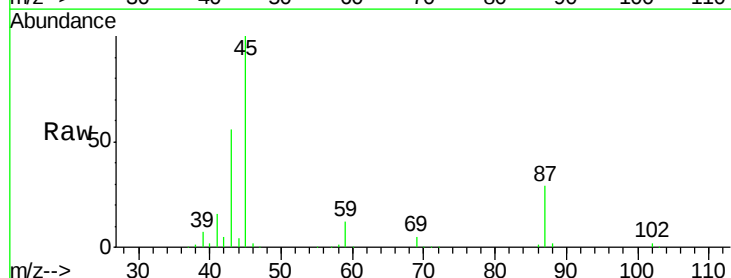
Ion Ratio Lower Upper

45 100

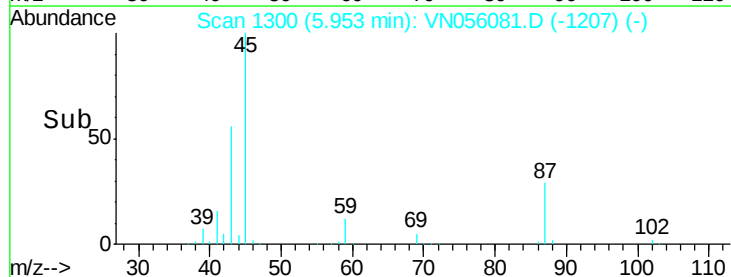
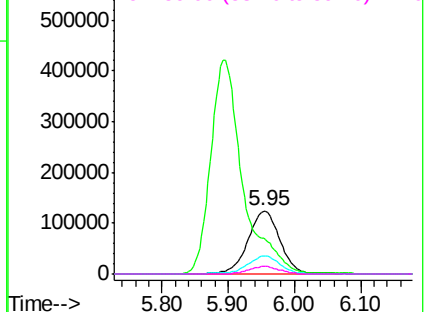
43 54.7 45.0 67.6

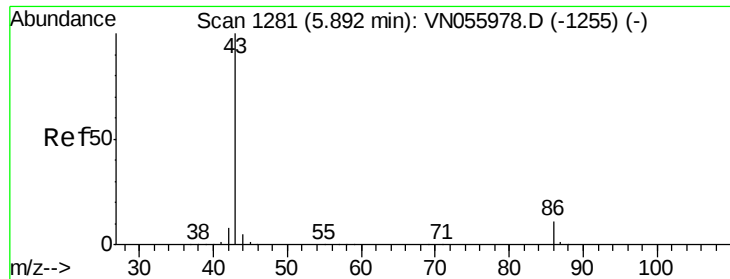
87 28.6 22.2 33.4

59 12.0 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 236.737 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion: 43 Resp: 1423676

Ion Ratio Lower Upper

43 100

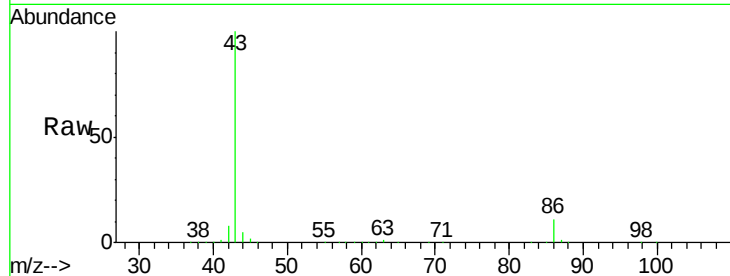
86 11.1 8.6 13.0

Manual Integrations

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MMDadoda

6/7/2019 9:41:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

500000

400000

300000

200000

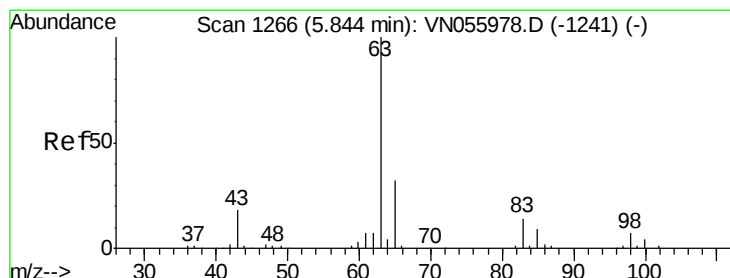
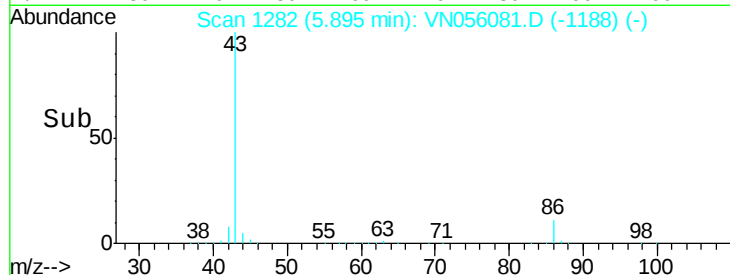
100000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 54.305 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

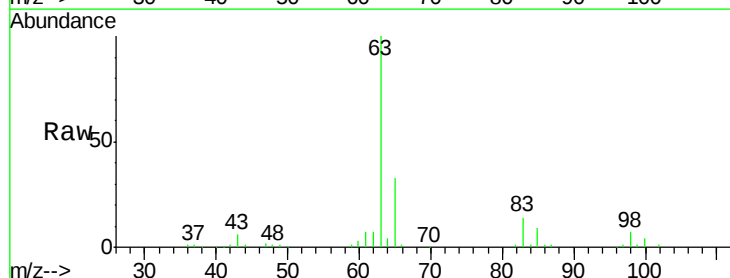
Tgt Ion: 63 Resp: 239213

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.3 2.2 6.6



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

100000

80000

60000

40000

20000

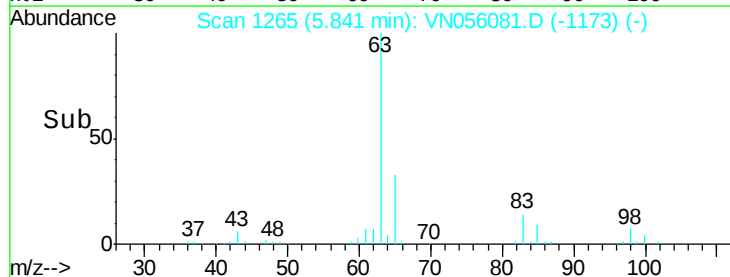
0

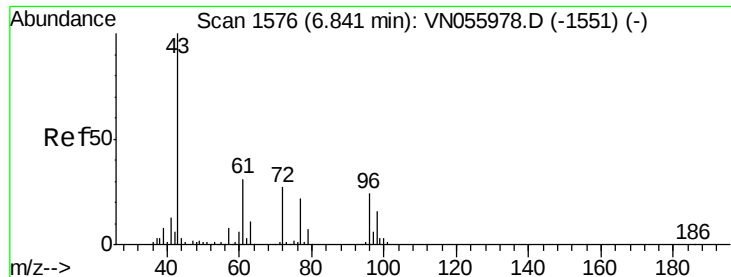
5.70

5.80

5.90

Time-->





#25

2-Butanone

Concen: 277.256 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion: 43 Resp: 463598

Ion Ratio Lower Upper

43 100

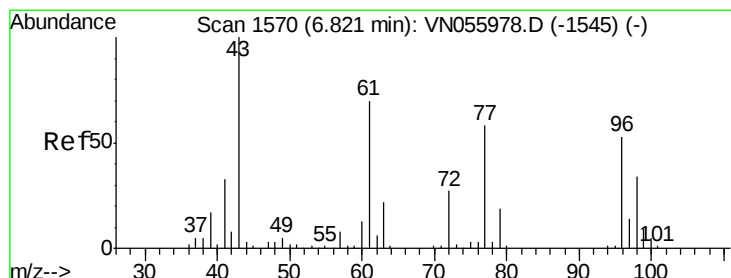
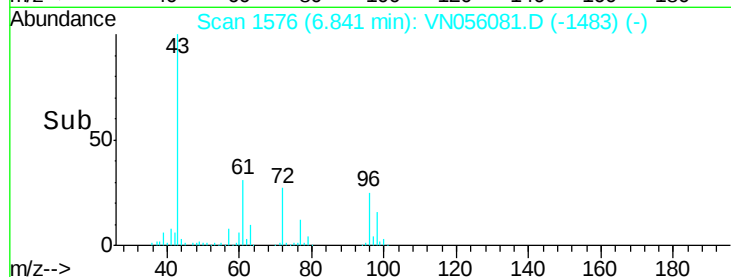
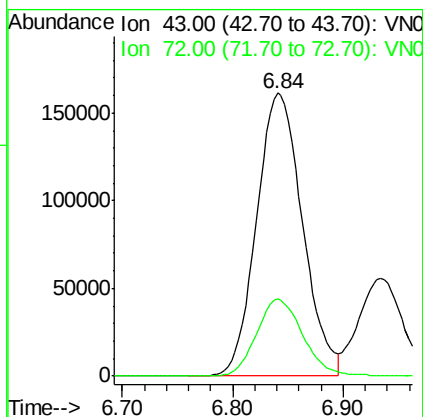
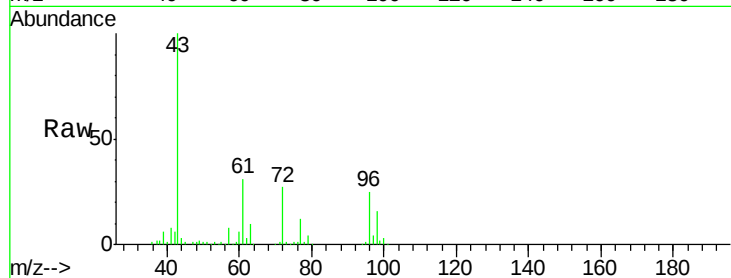
72 27.4 21.9 32.9

Manual Integrations

APPROVED

MMDadoda

6/7/2019 9:41:55 AM



#26

2,2-Dichloropropane

Concen: 28.179 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056081.D

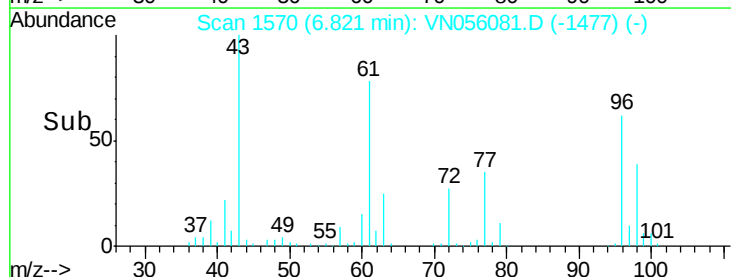
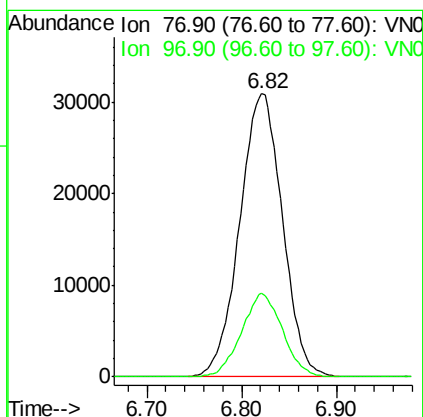
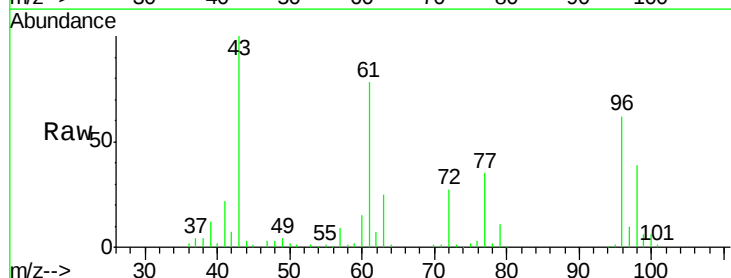
Acq: 7 Jun 2019 6:49

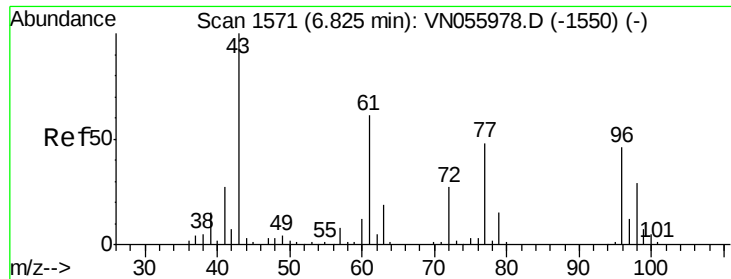
Tgt Ion: 77 Resp: 96861

Ion Ratio Lower Upper

77 100

97 28.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 53.684 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

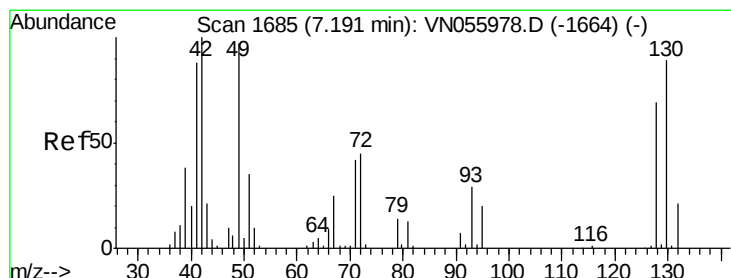
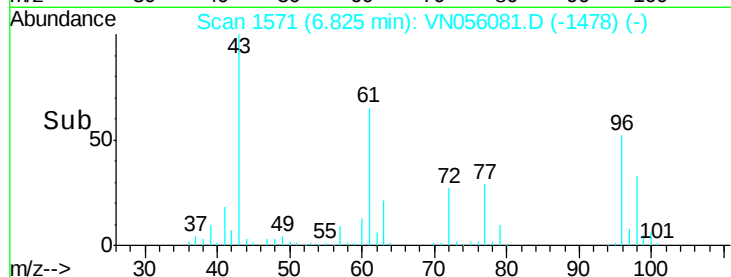
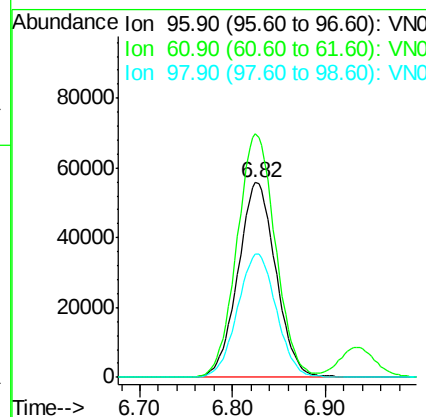
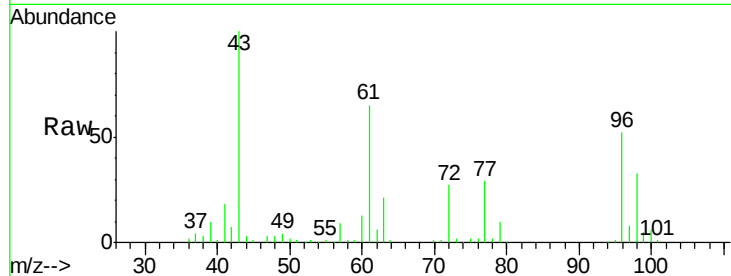
ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion:	96	Resp:	158183
Ion	Ratio	Lower	Upper
96	100		
61	126.9	0.0	275.8
98	64.7	0.0	128.4

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6/7/2019 9:41:55 AM



#28

Bromochloromethane

Concen: 55.923 ug/l

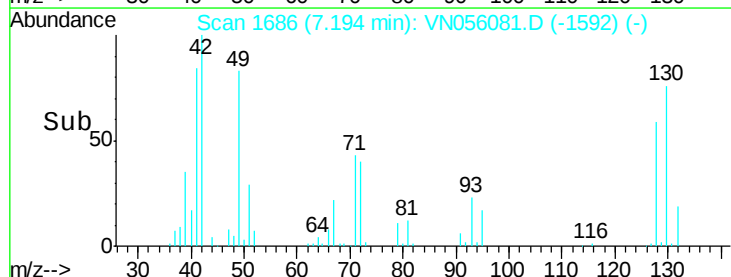
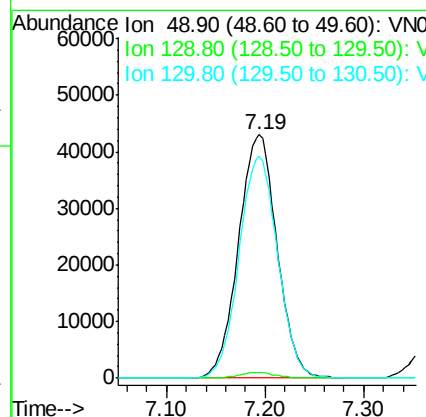
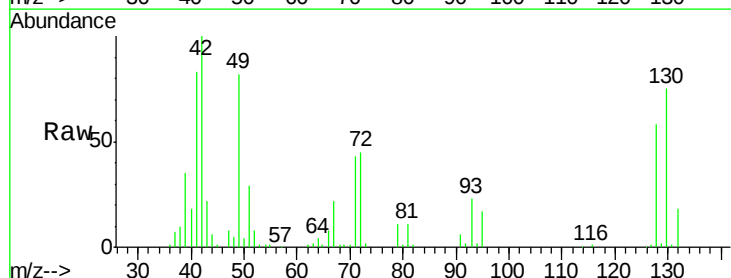
RT: 7.19 min Scan# 1686

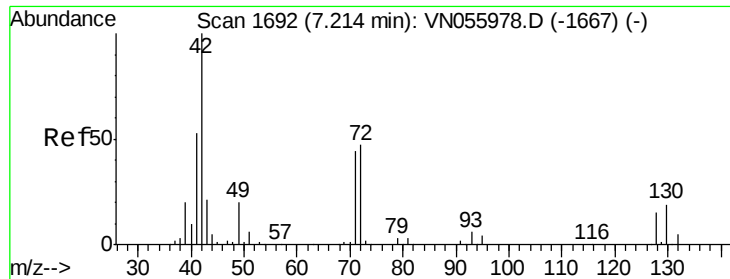
Delta R.T. 0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Tgt Ion:	49	Resp:	116496
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	91.1	71.2	106.8





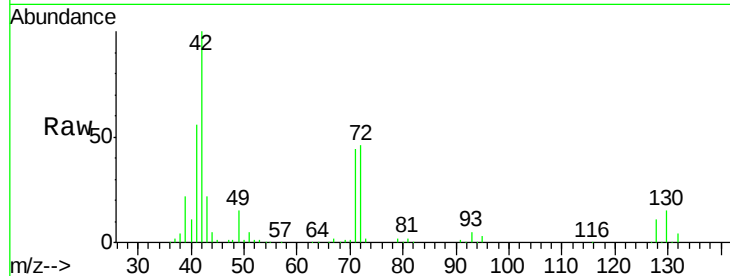
#29
Tetrahydrofuran
Concen: 299.547 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

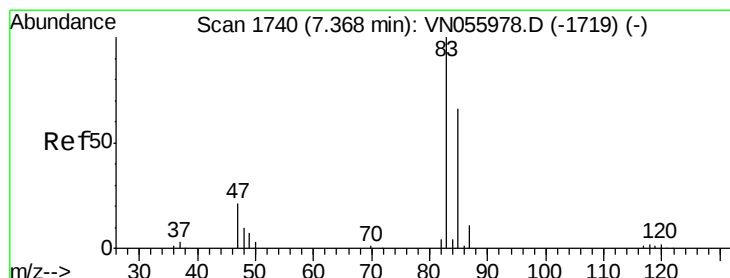
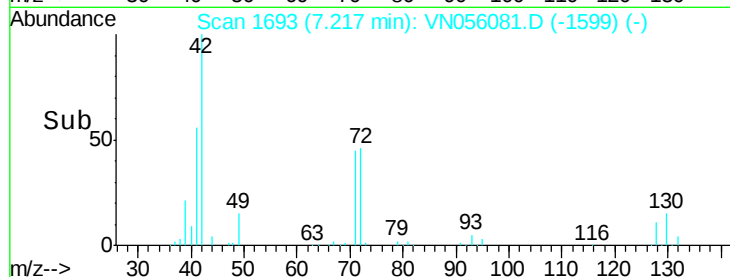
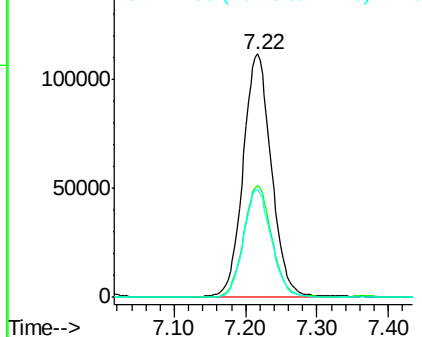
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.9	53.9
71	43.2	34.0	51.0

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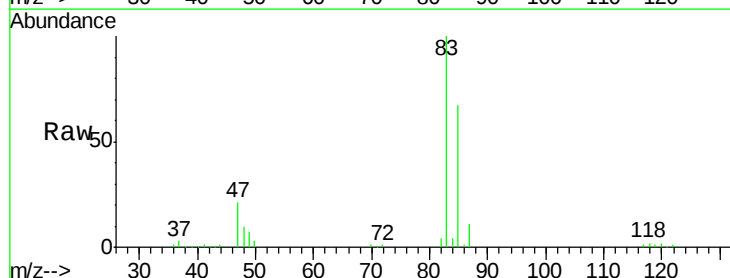


Abundance Ion 42.00 (41.70 to 42.70): VN055978.D (-1667) (-)
Ion 72.00 (71.70 to 72.70): VN055978.D (-1667) (-)
Ion 71.00 (70.70 to 71.70): VN055978.D (-1667) (-)

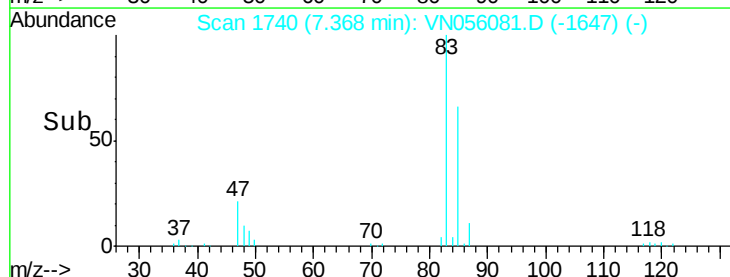
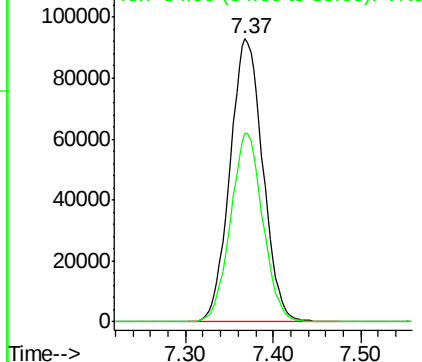


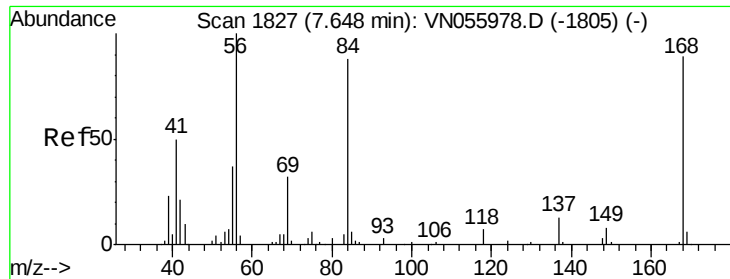
#30
Chloroform
Concen: 54.648 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.8	77.8



Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-1719) (-)
Ion 84.90 (84.60 to 85.60): VN055978.D (-1719) (-)





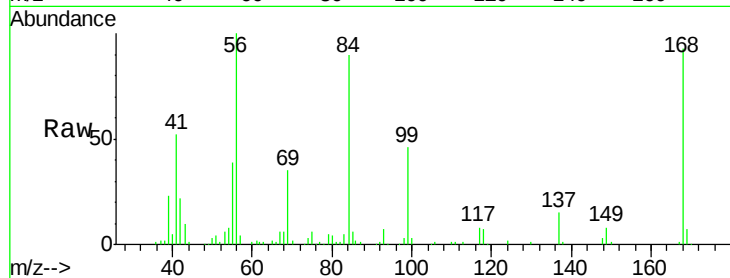
#31
Cyclohexane
Concen: 45.309 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

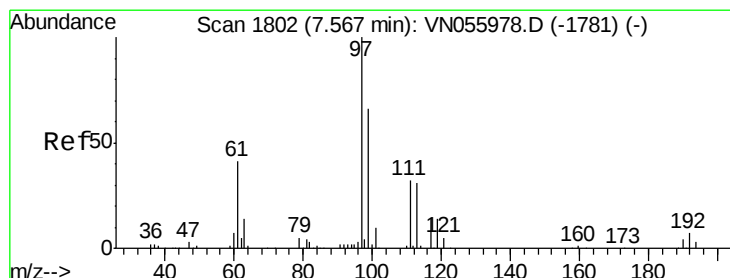
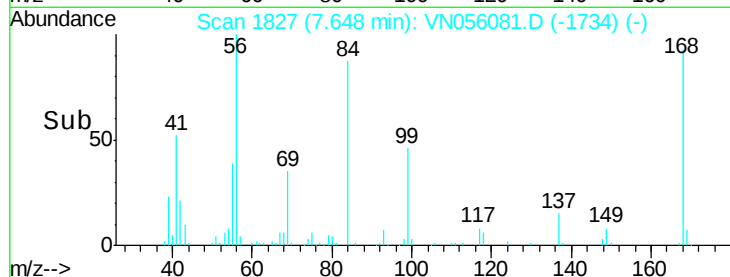
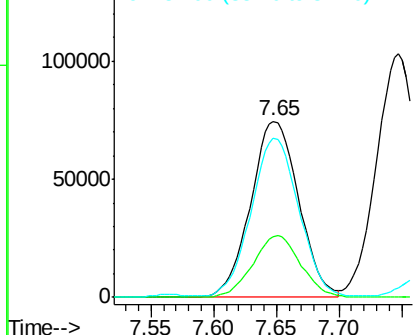
Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	25.6	38.4
84	88.8	67.4	101.0

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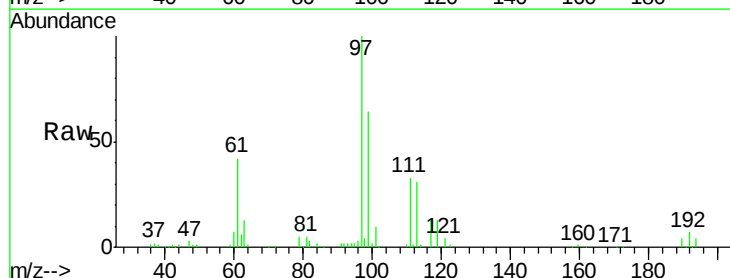


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

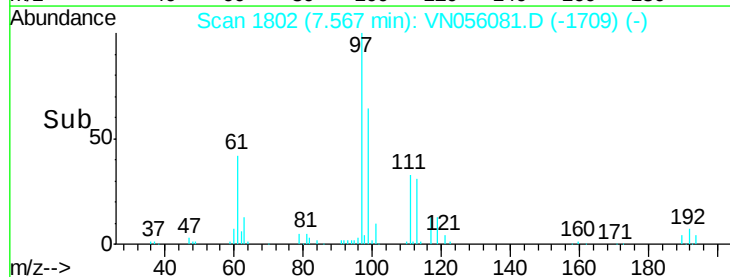
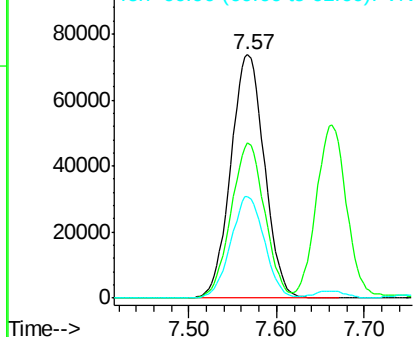


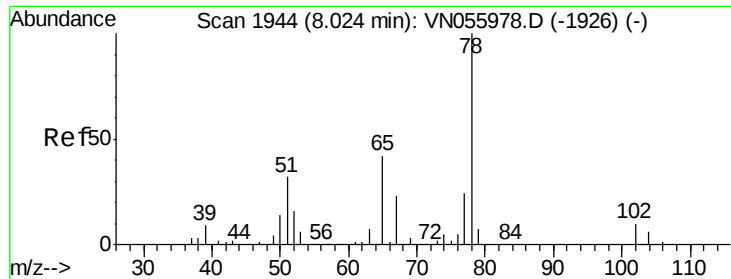
#32
1,1,1-Trichloroethane
Concen: 53.125 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	41.6	32.9	49.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





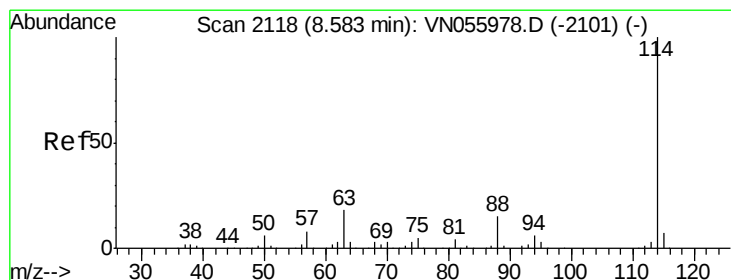
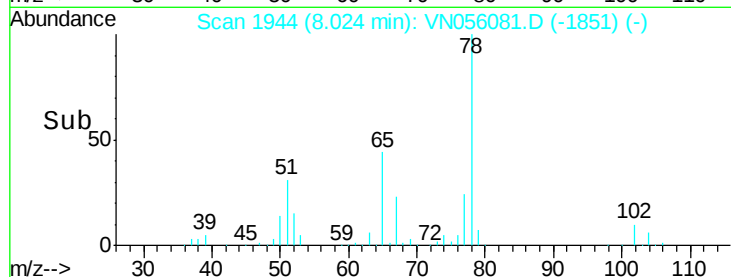
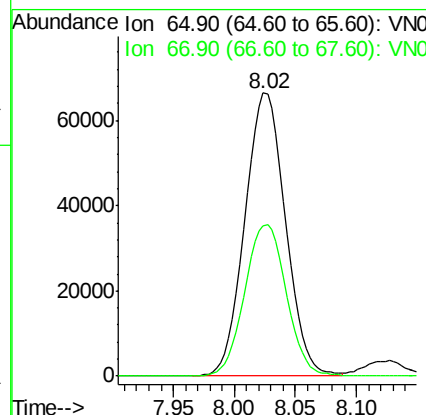
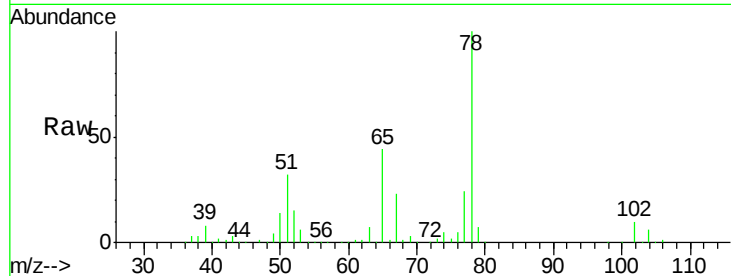
#33
 1,2-Dichloroethane-d4
 Concen: 55.456 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	153452		
67	54.7	0.0	109.2	

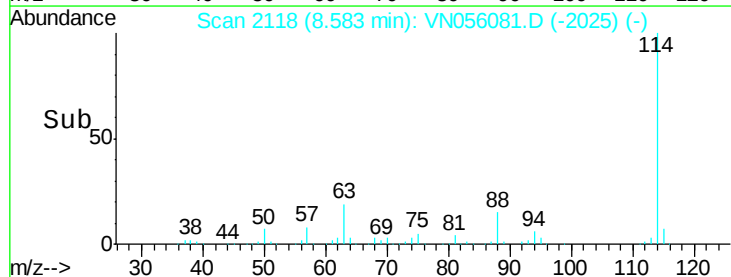
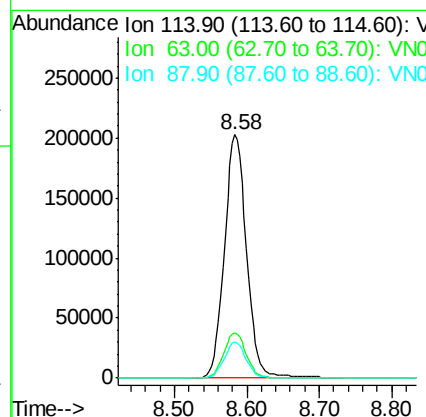
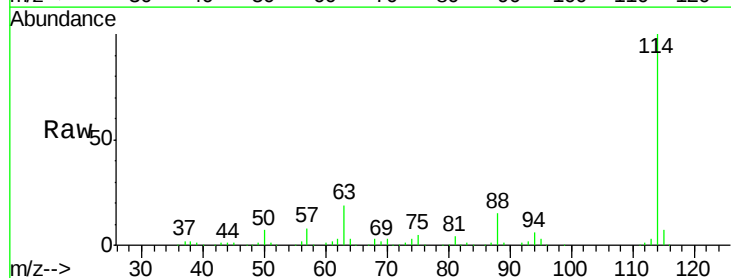
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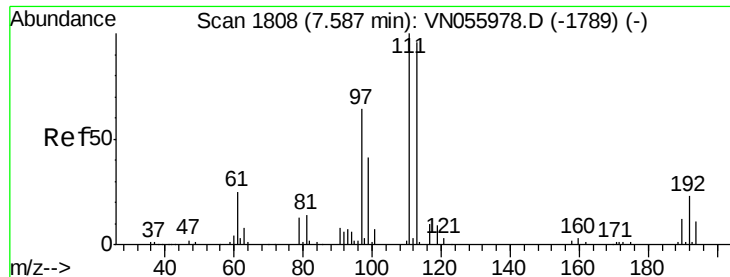
MMDadoda
 6/7/2019 9:41:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	429061		
63	18.6	0.0	39.2	
88	14.8	0.0	31.0	





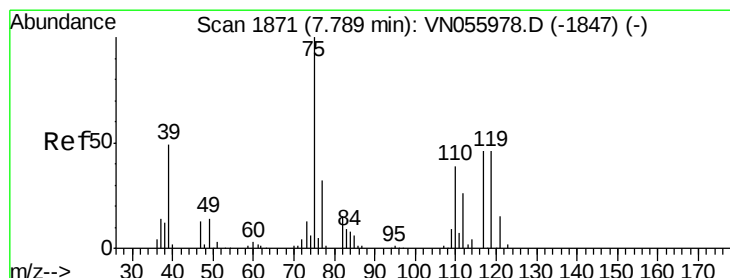
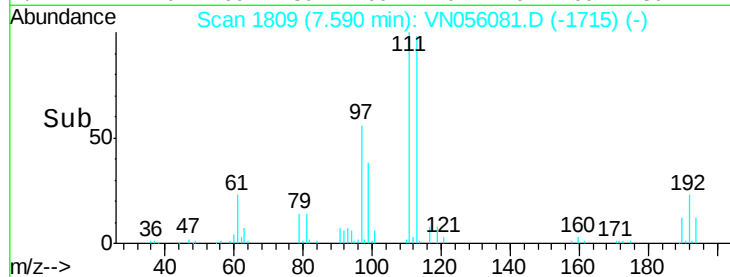
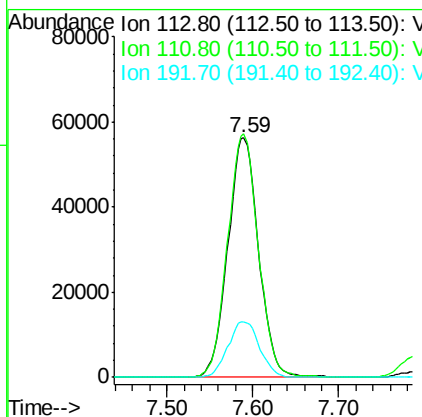
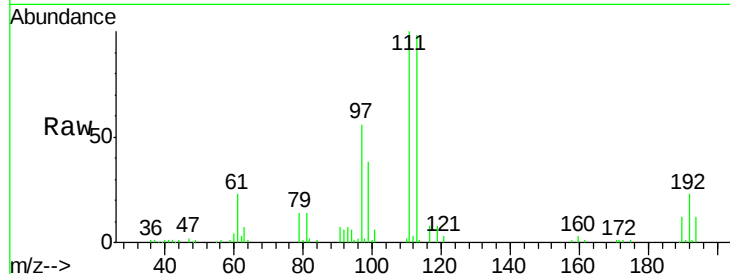
#35
 Dibromofluoromethane
 Concen: 52.994 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	139503		
111	101.5	81.9	122.9	
192	23.8	19.5	29.3	

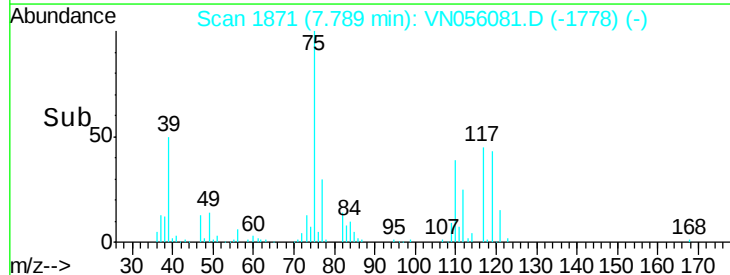
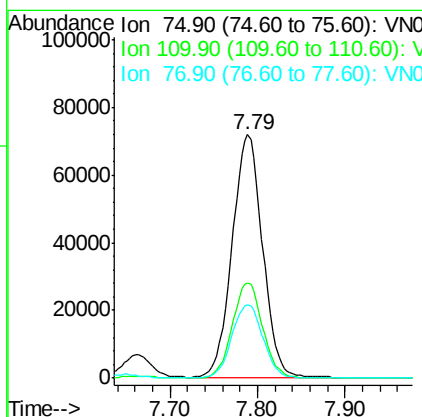
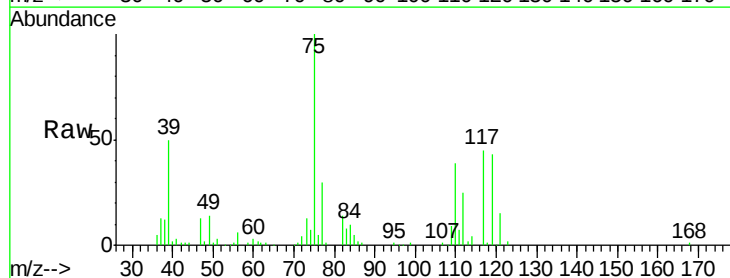
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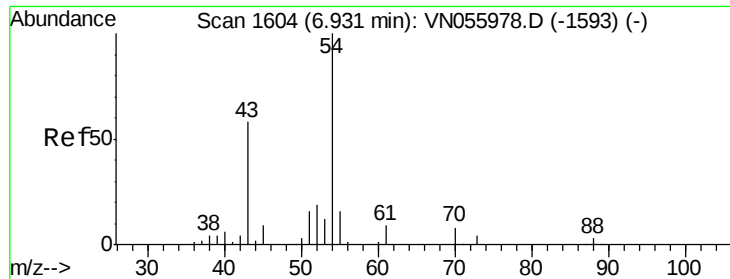
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 6/7/2019 9:41:55 AM



#36
 1,1-Dichloropropene
 Concen: 46.975 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	173307		
110	38.9	19.0	57.0	
77	31.2	25.1	37.7	





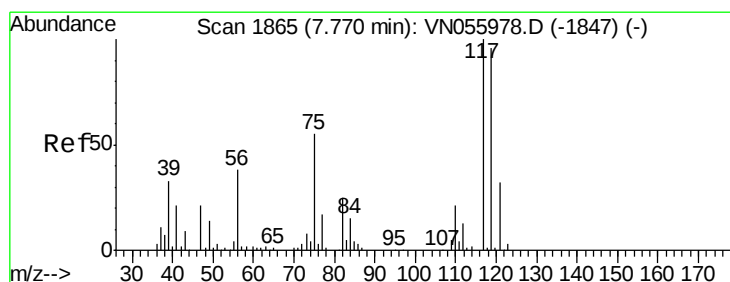
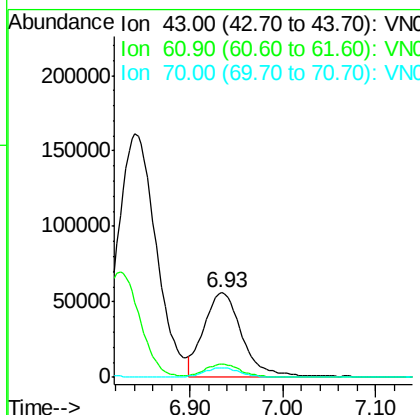
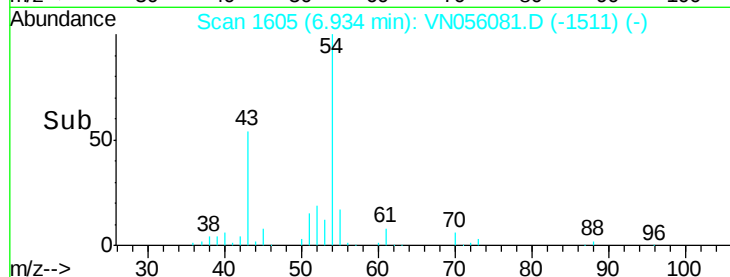
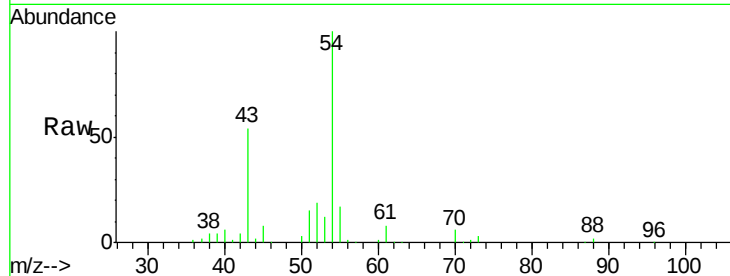
#37
Ethyl Acetate
Concen: 47.835 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion	43	61	70
Resp	157024		
Ratio	100	15.4	10.7
Lower		12.2	8.9
Upper		18.2	13.3

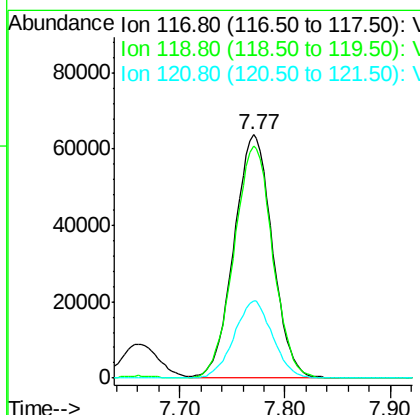
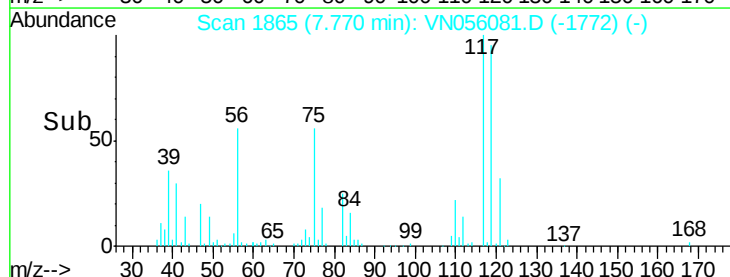
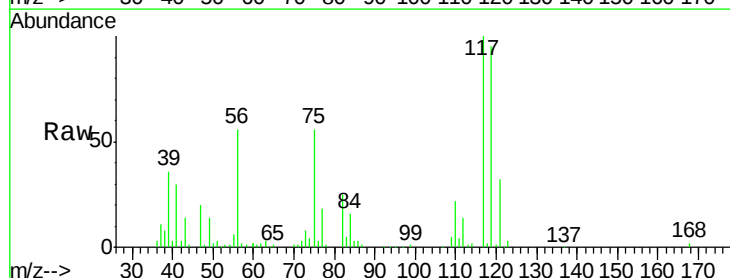
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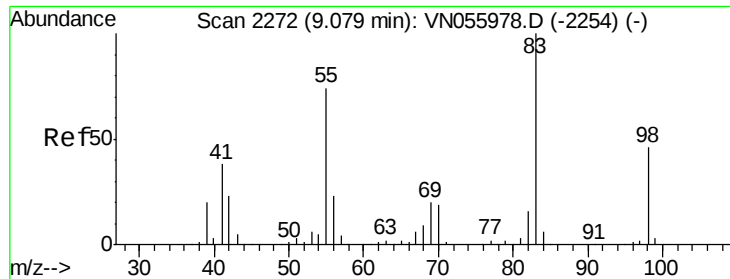
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#38
Carbon Tetrachloride
Concen: 47.370 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion	117	119	121
Resp	161121		
Ratio	100	95.2	31.9
Lower		79.0	24.7
Upper		118.6	37.1





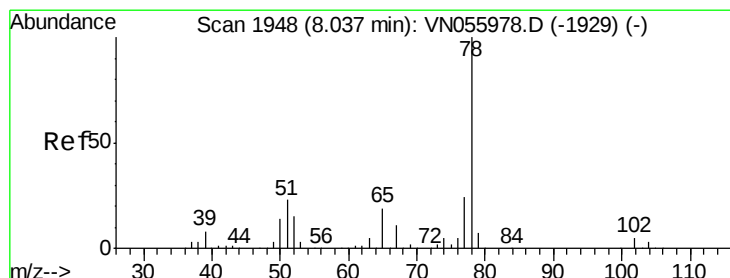
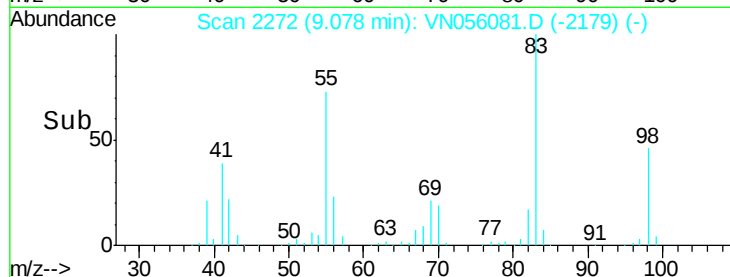
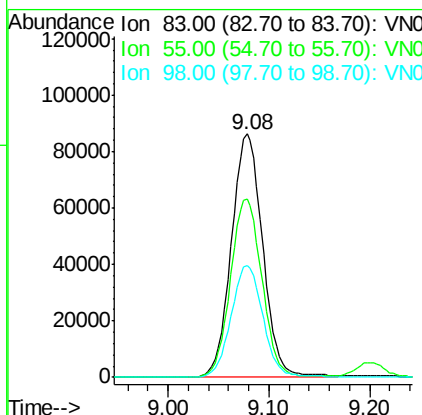
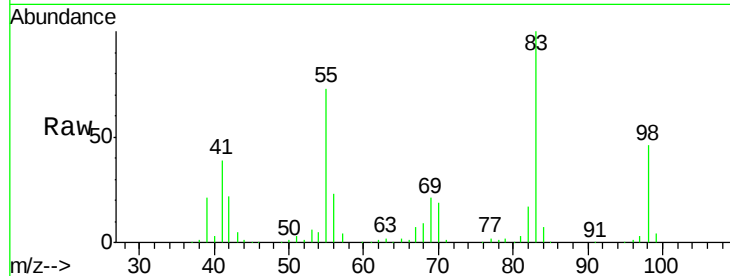
#39
Methvlcvclohexane
Concen: 40.546 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	59.3	88.9
98	45.9	36.6	54.8

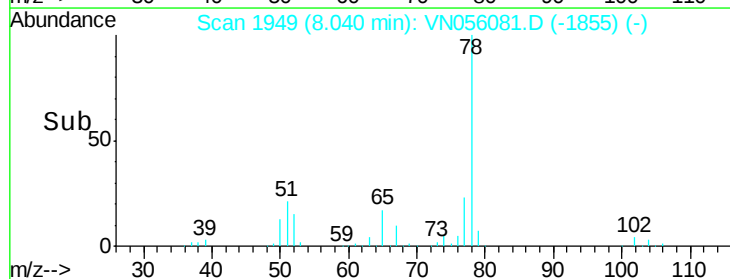
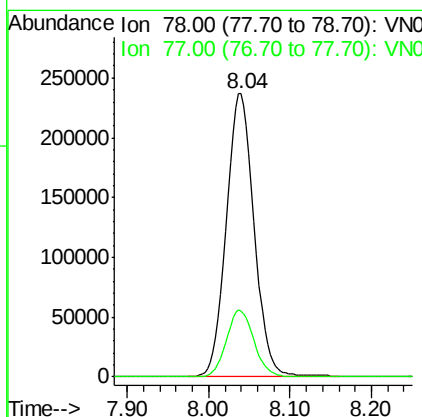
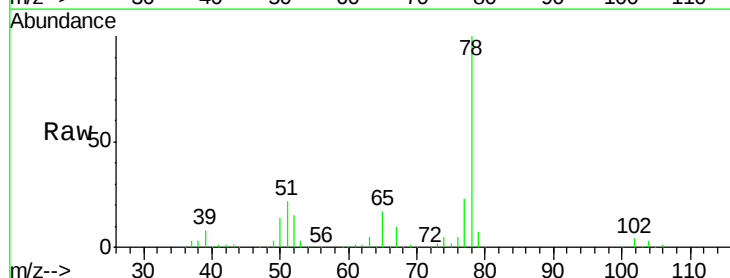
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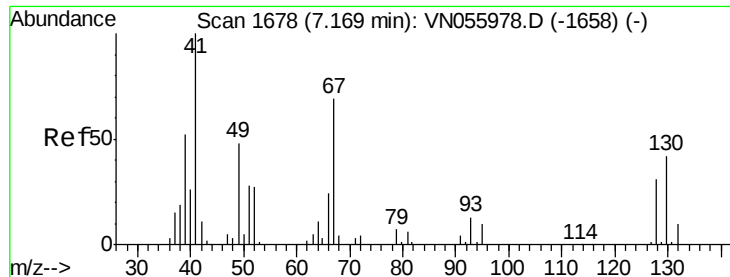
MMDadoda
6/7/2019 9:41:55 AM



#40
Benzene
Concen: 50.751 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





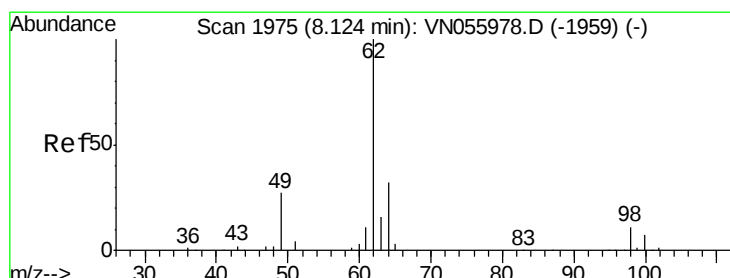
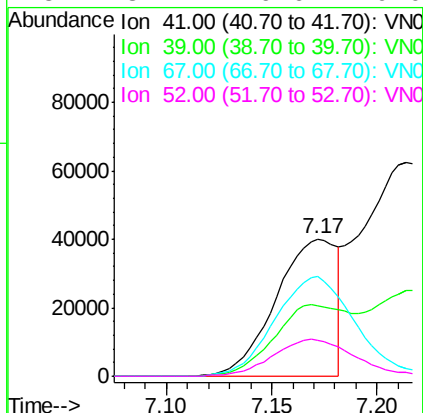
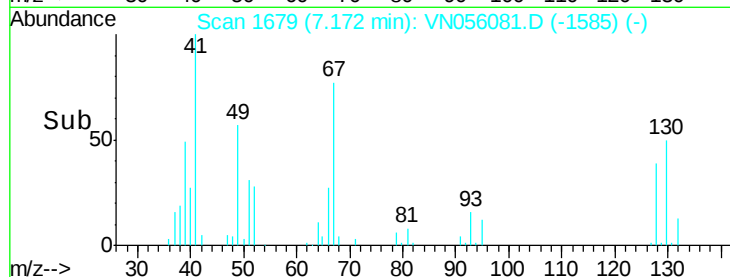
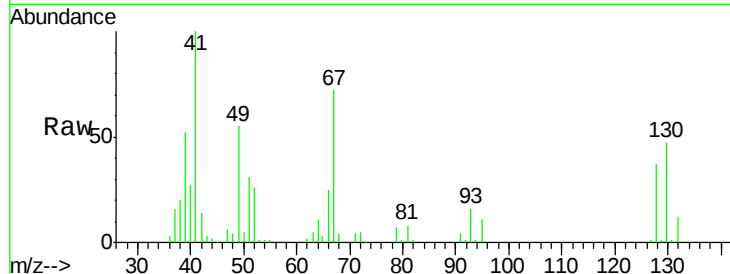
#41
Methacrylonitrile
Concen: 53.448 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion:	41	Resp:	80723
Ion	Ratio	Lower	Upper
41	100		
39	66.2	45.6	68.4
67	96.3	67.7	101.5
52	37.1	26.6	40.0

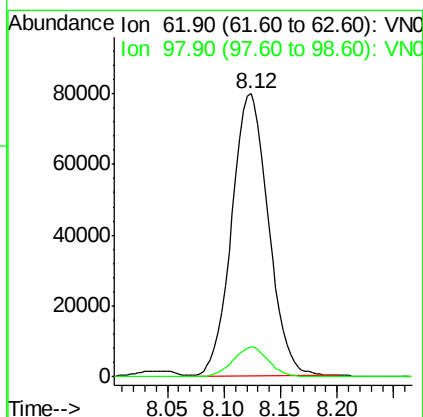
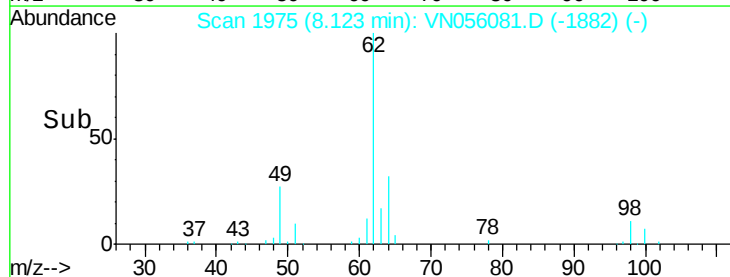
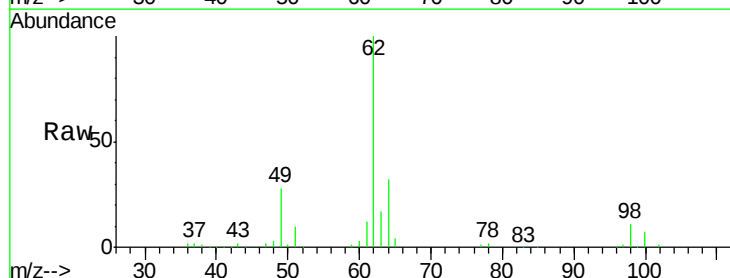
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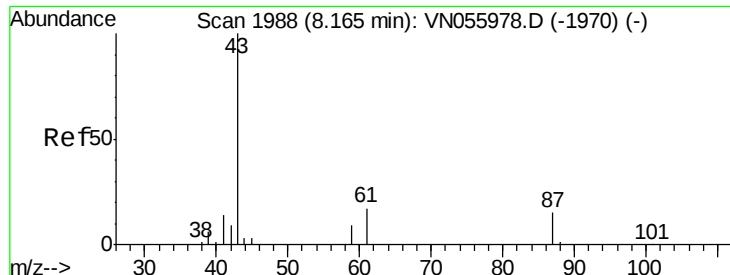
MMDadoda
6/7/2019 9:41:55 AM



#42
1,2-Dichloroethane
Concen: 49.982 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion:	62	Resp:	180155
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 48.168 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

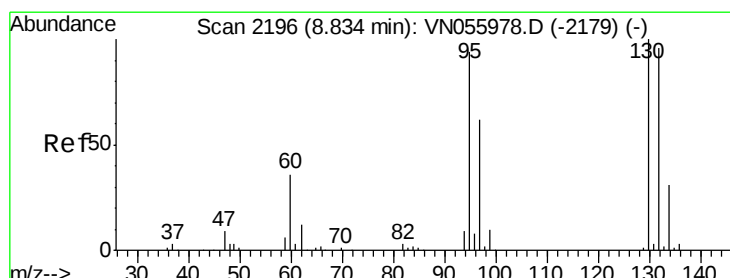
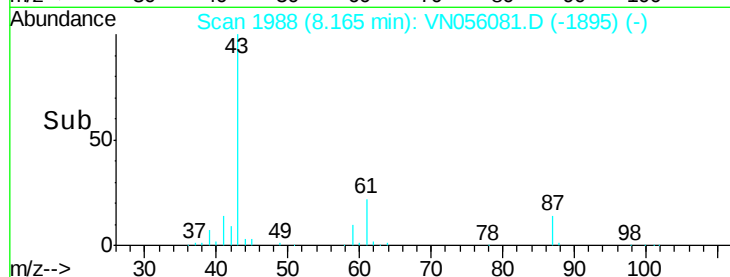
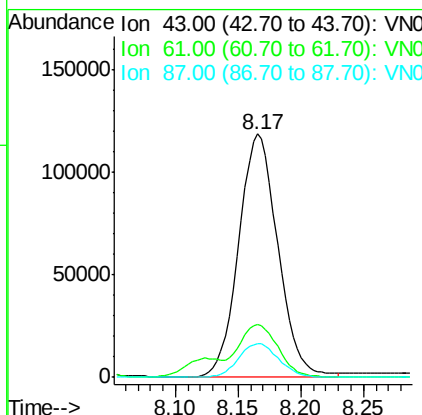
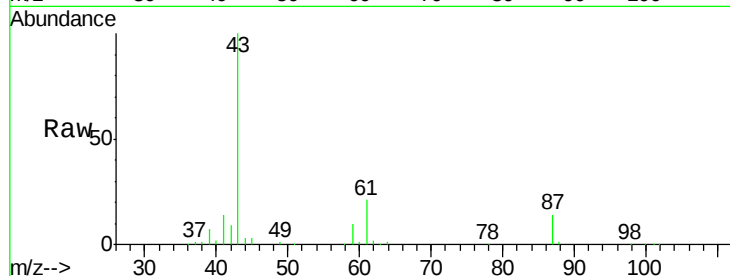
ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion:	43	Resp:	256222
Ion	Ratio	Lower	Upper
43	100		
61	21.6	22.2	33.4#
87	14.5	11.4	17.2

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#44

Trichloroethene

Concen: 49.274 ug/l

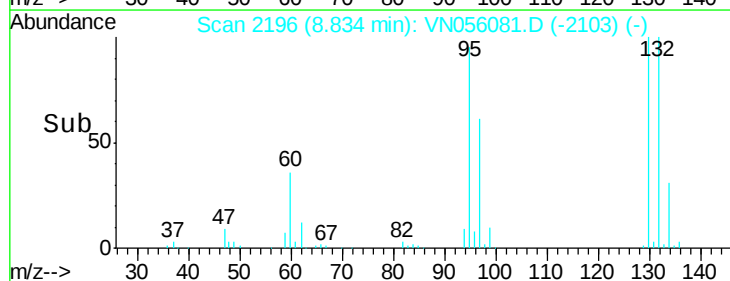
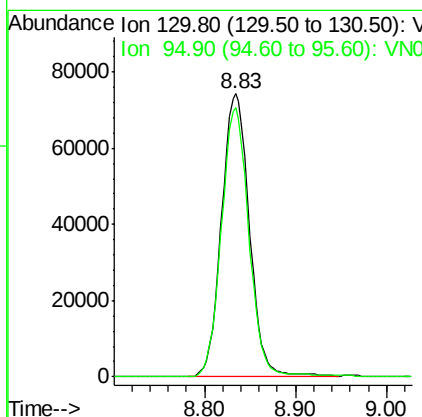
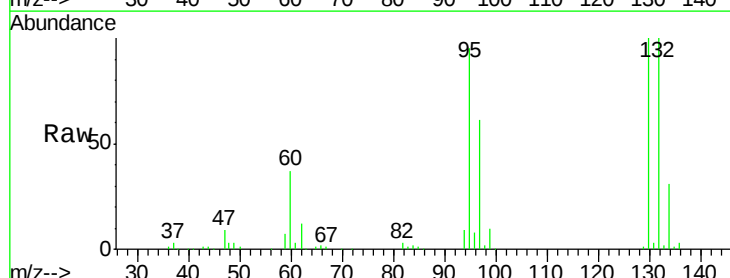
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Tgt Ion:	130	Resp:	158655
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	188.0





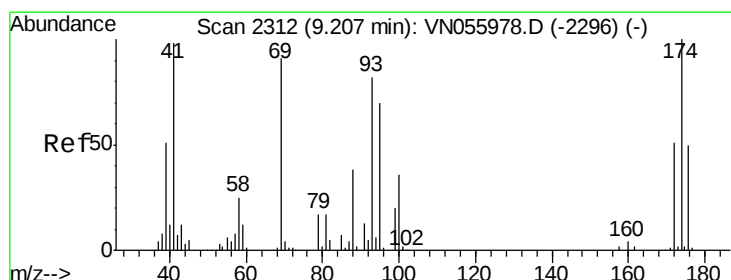
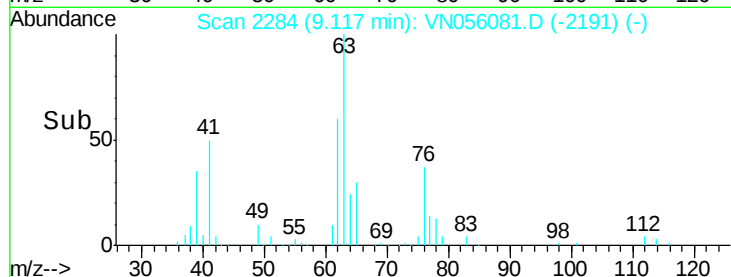
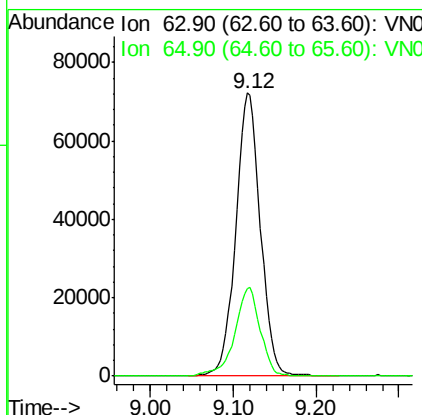
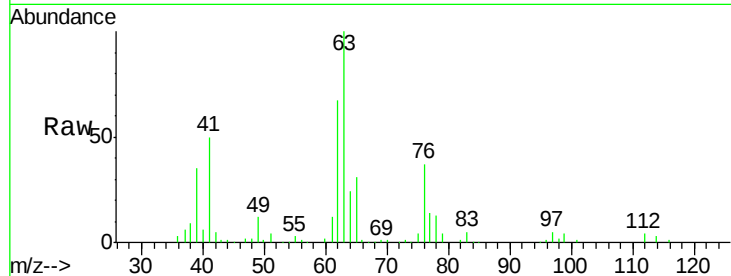
#45
 1,2-Dichloropropane
 Concen: 52.232 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MS

Tot Ion: 63 Resp: 149913
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 36.8

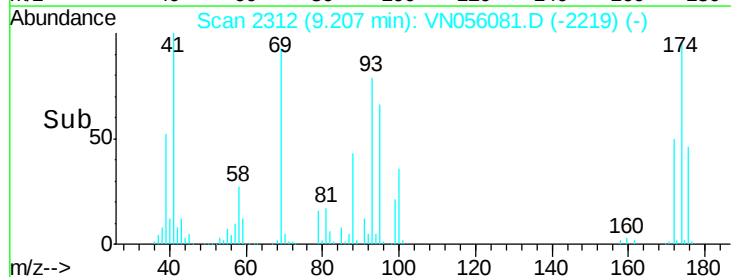
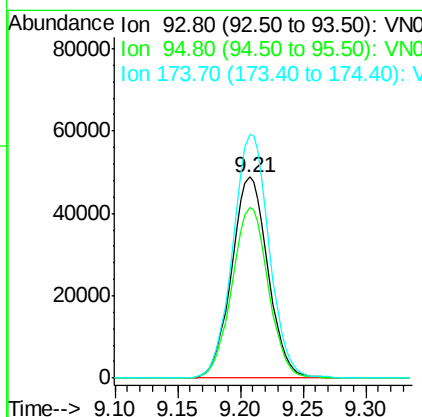
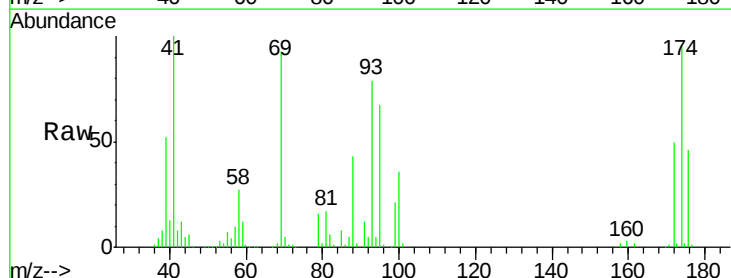
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#46
 Dibromomethane
 Concen: 52.308 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Tgt Ion: 93 Resp: 98175
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.7 100.1
 174 121.7 96.4 144.6





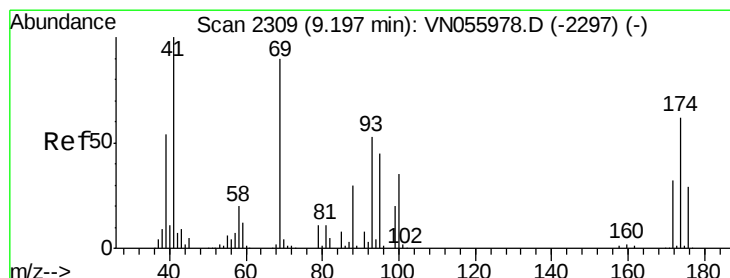
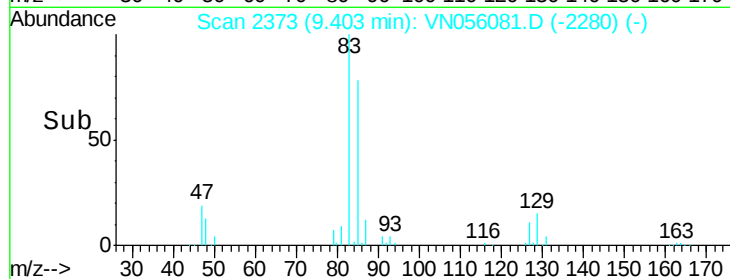
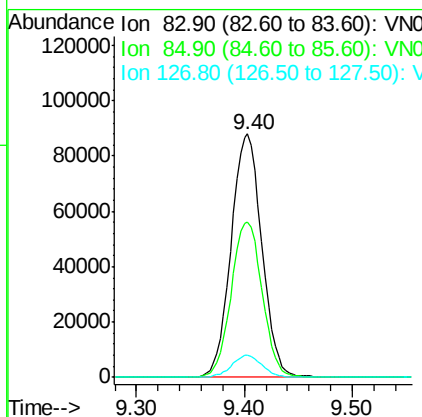
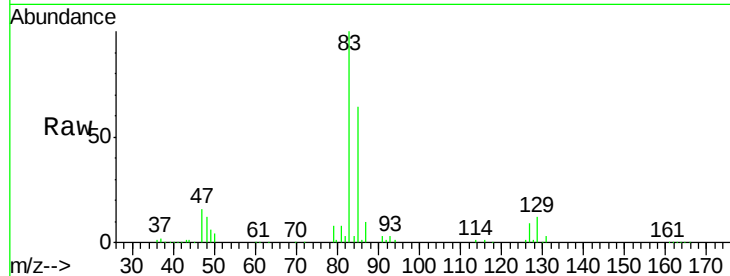
#47
Bromodichloromethane
Concen: 51.114 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion	83	Resp	173871
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	52.2	78.2
127	9.1	7.4	11.0

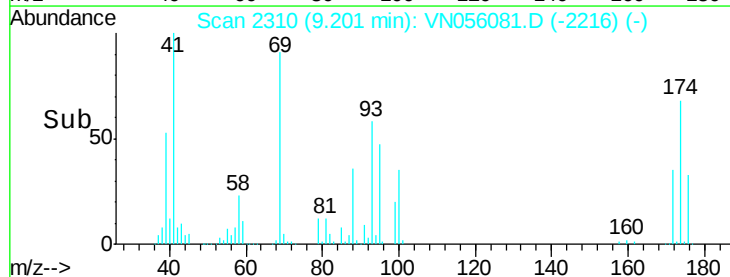
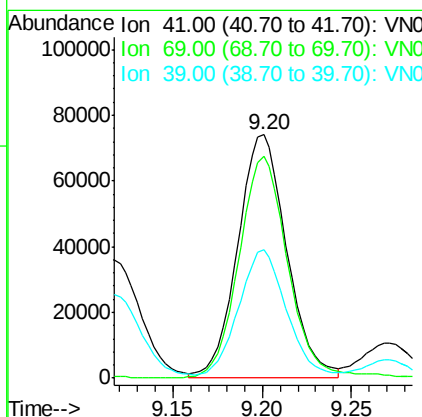
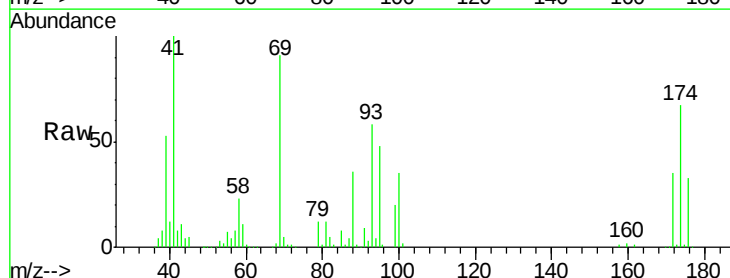
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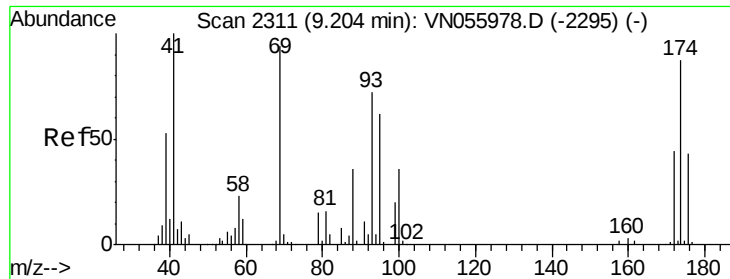
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#48
Methyl methacrylate
Concen: 54.293 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion	41	Resp	141291
Ion Ratio	100	Lower	Upper
41	100		
69	92.6	71.0	106.6
39	52.0	44.2	66.2





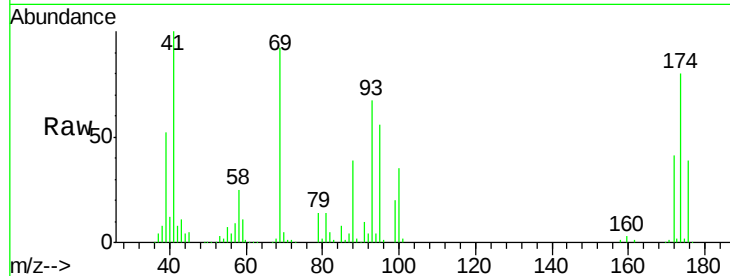
#49
1,4-Dioxane
Concen: 1139.717 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.7	20.5	30.7
58	66.9	55.8	83.6

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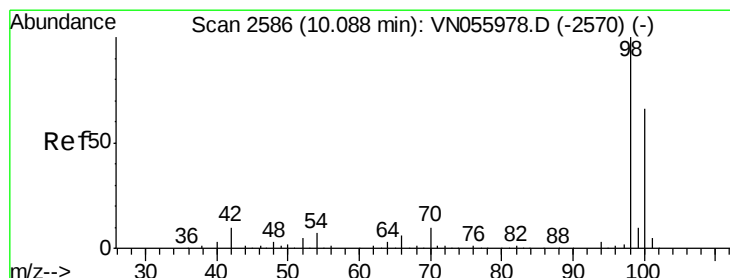
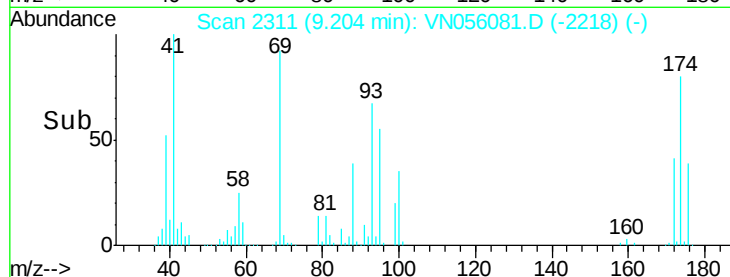
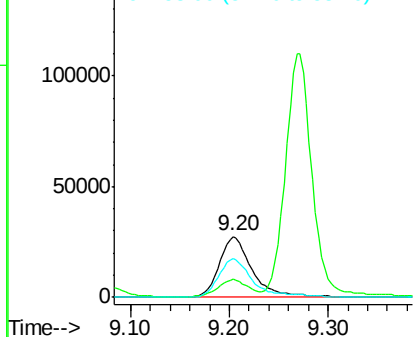
MMDadoda
6/7/2019 9:41:55 AM



Abundance Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)

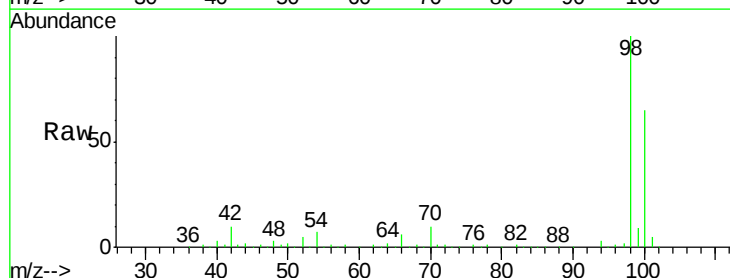
Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)



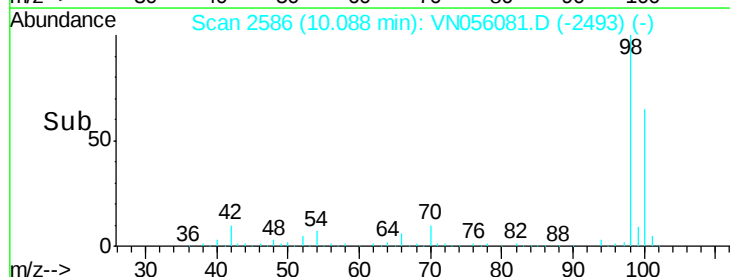
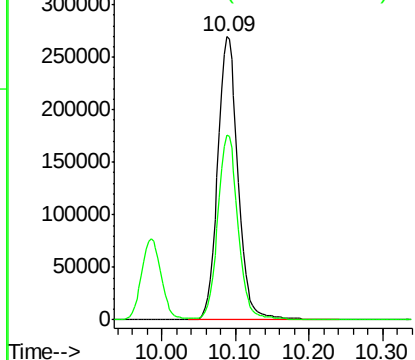
#50
Toluene-d8
Concen: 50.986 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

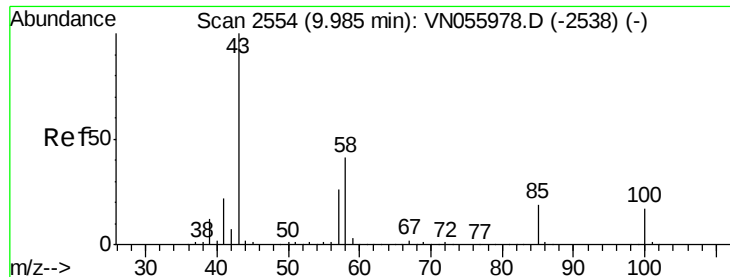
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 276.569 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion: 43 Resp: 919997

Ion Ratio Lower Upper

43 100

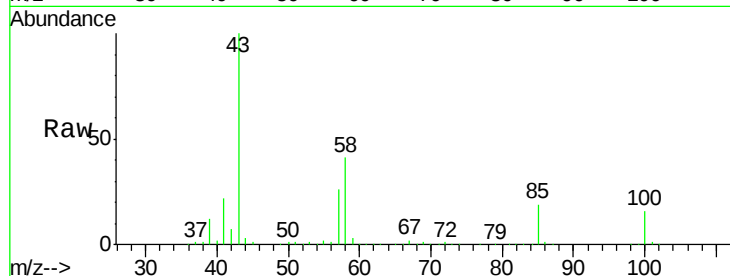
58 40.4 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

500000

400000

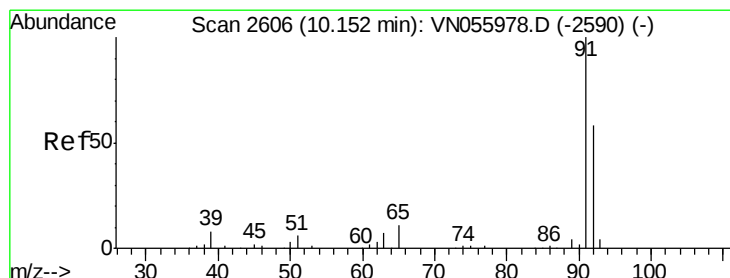
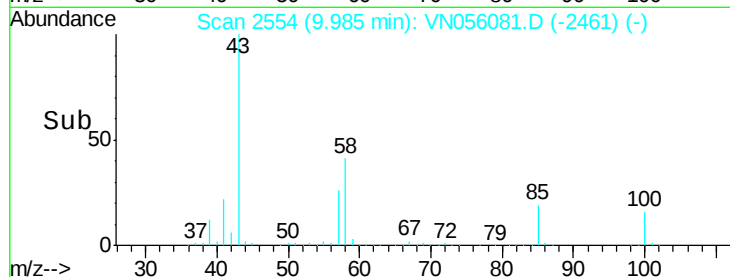
300000

200000

100000

0

Time--> 9.80 10.00 10.20



#52

Toluene

Concen: 50.972 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056081.D

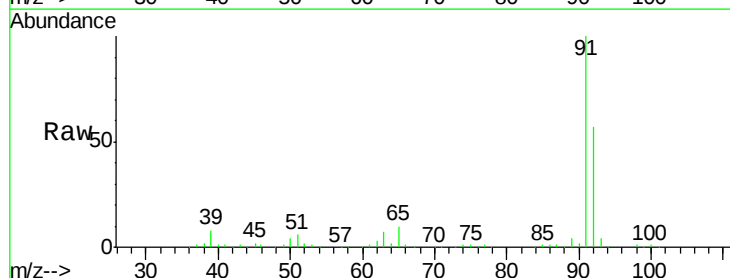
Acq: 7 Jun 2019 6:49

Tgt Ion: 92 Resp: 355411

Ion Ratio Lower Upper

92 100

91 172.7 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

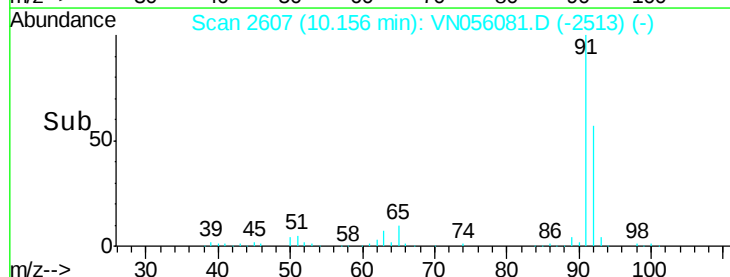
300000

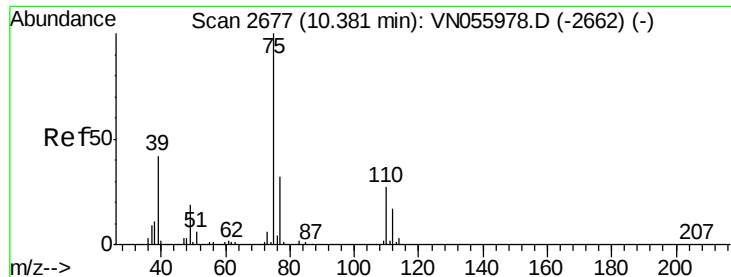
200000

100000

0

Time--> 10.10 10.20 10.30





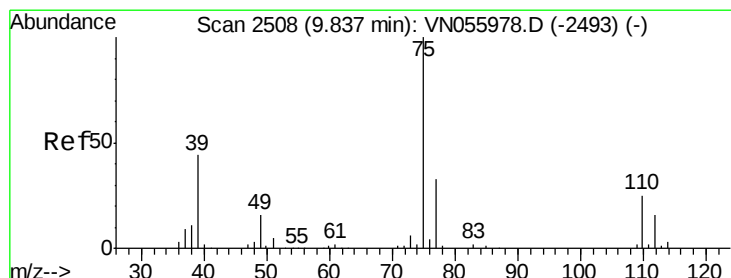
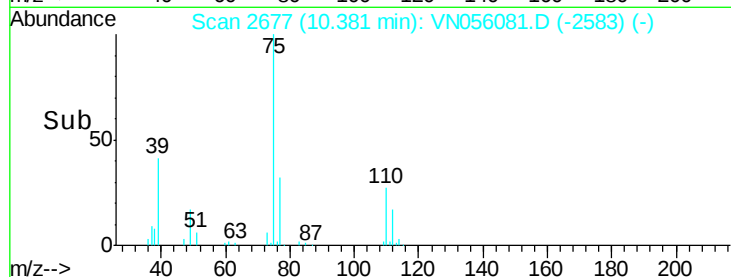
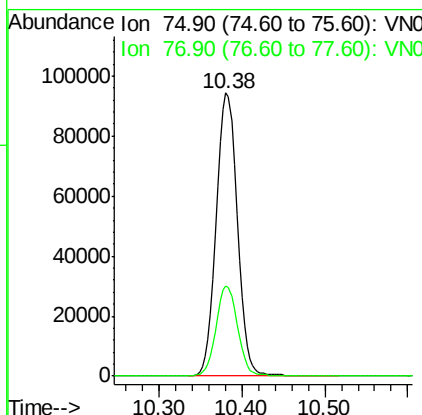
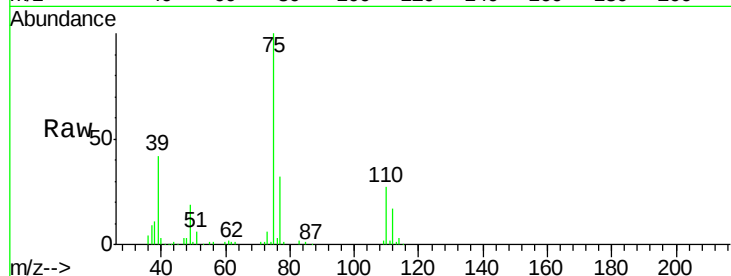
#53
 t-1,3-Dichloropropene
 Concen: 42.355 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.6

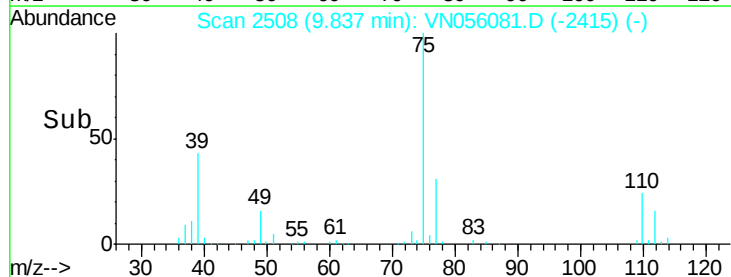
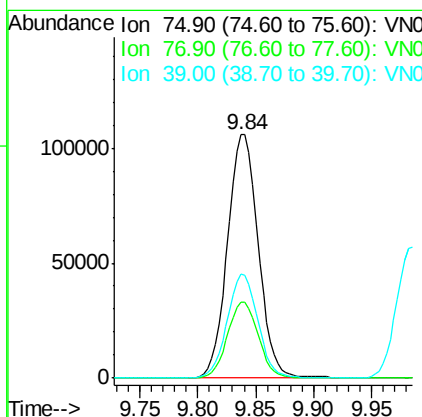
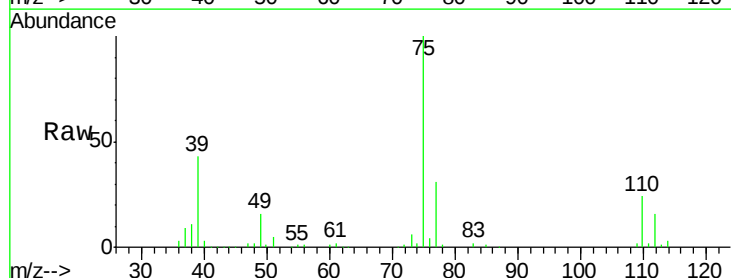
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#54
 cis-1,3-Dichloropropene
 Concen: 47.705 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	42.7	36.3	54.5





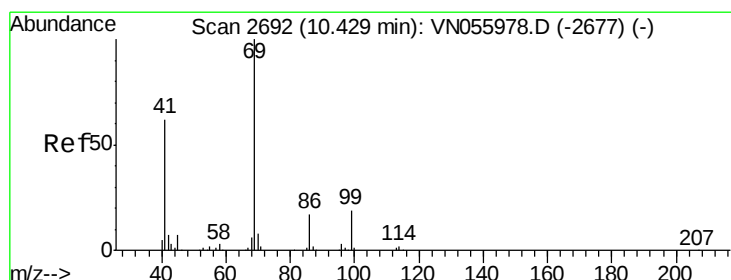
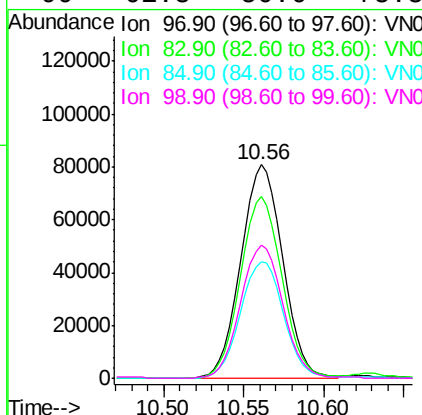
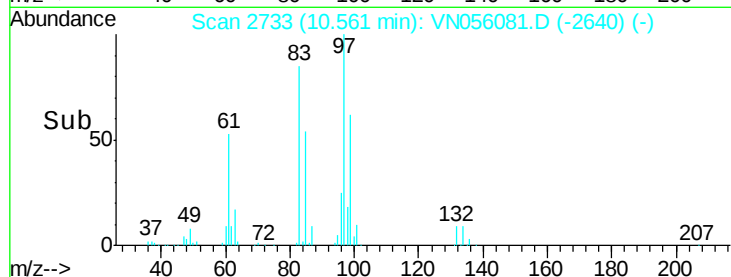
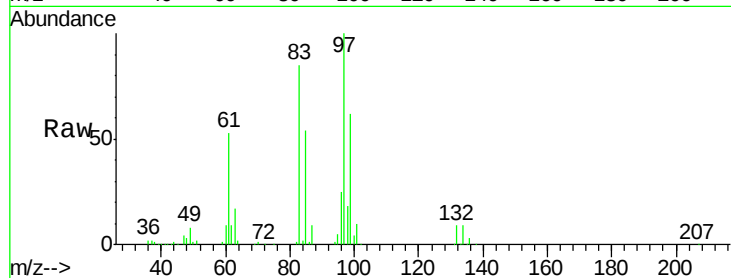
#55
 1,1,2-Trichloroethane
 Concen: 52.455 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MS

Tot Ion:	97	Resp:	144880
Ion	Ratio	Lower	Upper
97	100		
83	85.1	67.0	100.6
85	54.5	44.0	66.0
99	61.8	50.6	75.8

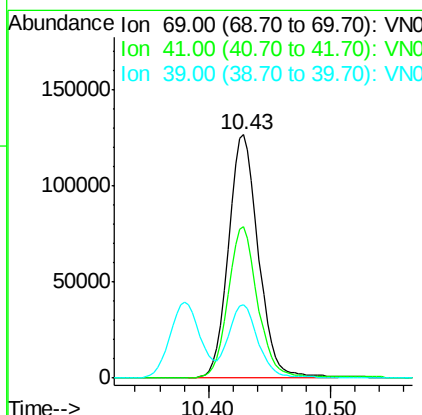
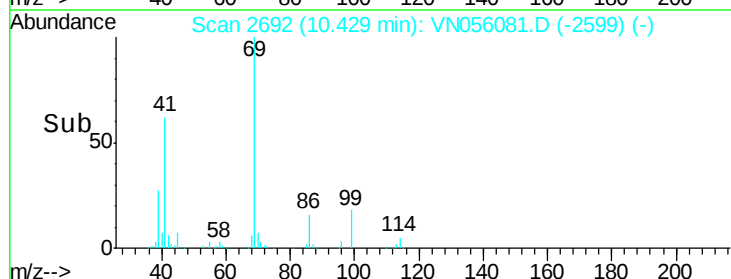
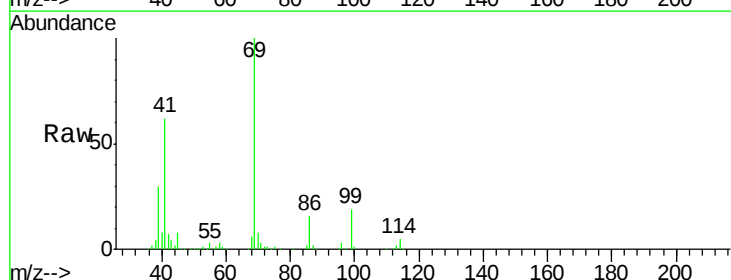
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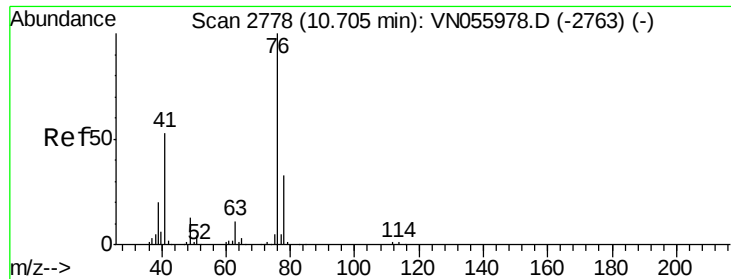
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 54.030 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Tgt Ion:	69	Resp:	217708
Ion	Ratio	Lower	Upper
69	100		
41	60.8	49.7	74.5
39	29.3	24.7	37.1





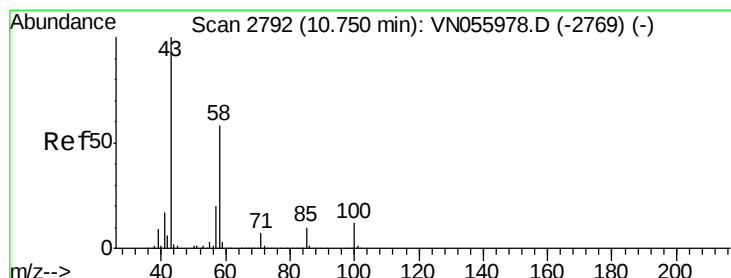
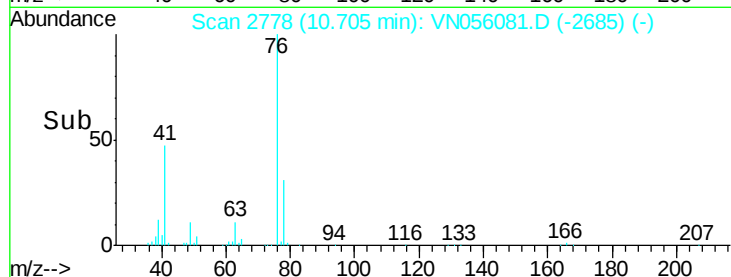
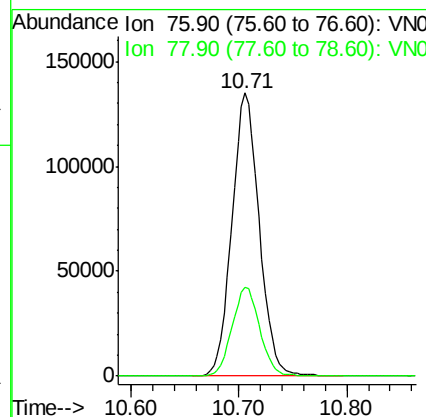
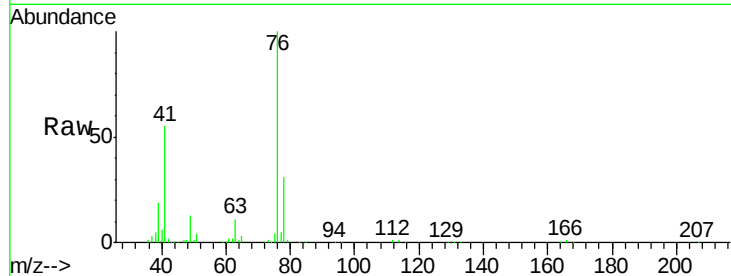
#57
 1,3-Dichloropropane
 Concen: 53.122 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.6

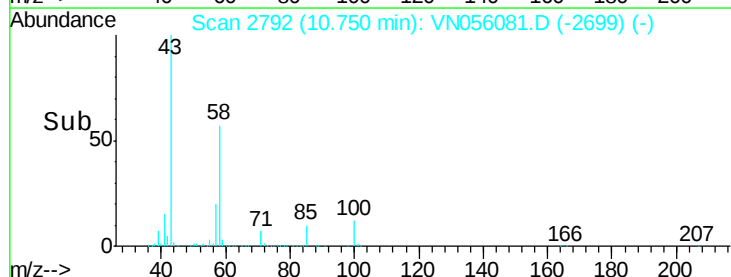
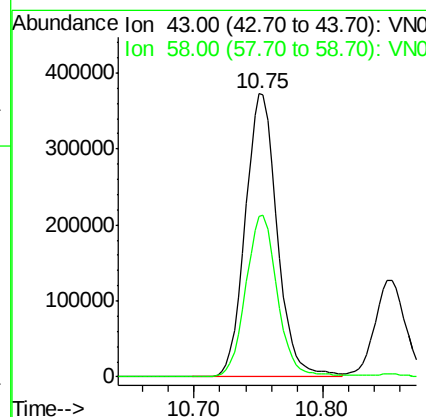
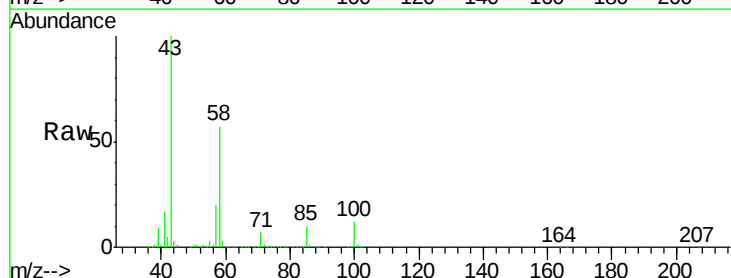
Manual Integrations
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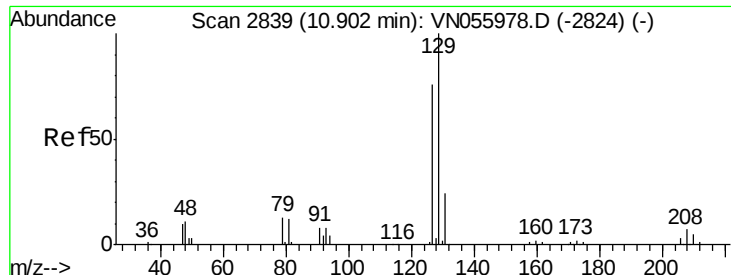
MMDadoda
 6/7/2019 9:41:55 AM



#59
 2-Hexanone
 Concen: 265.565 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.0	28.2	84.7





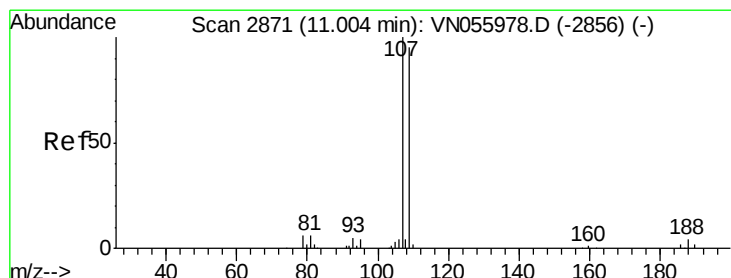
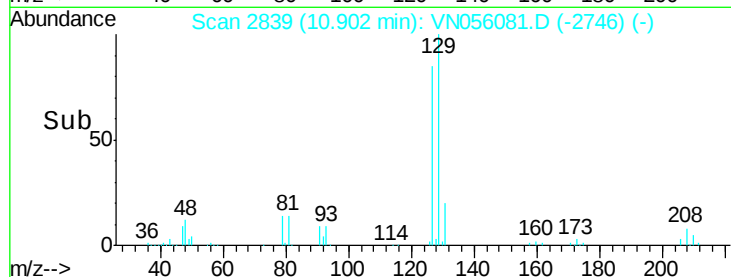
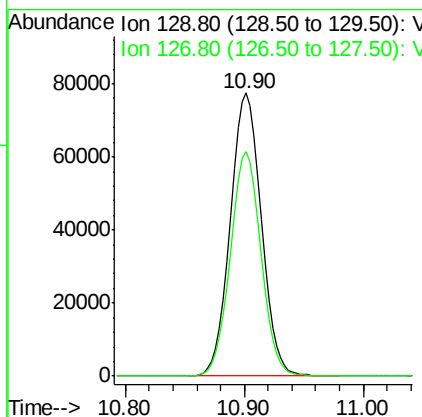
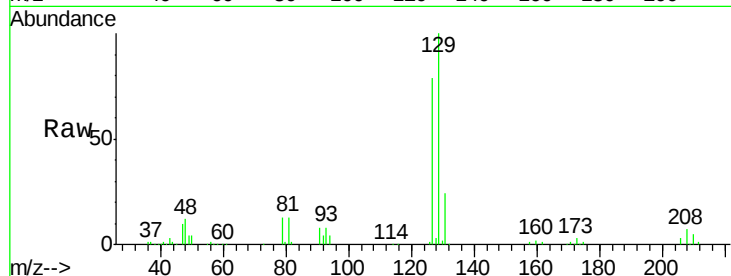
#60
Dibromochloromethane
Concen: 46.247 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion:129 Resp: 140289
Ion Ratio Lower Upper
129 100
127 78.1 38.1 114.3

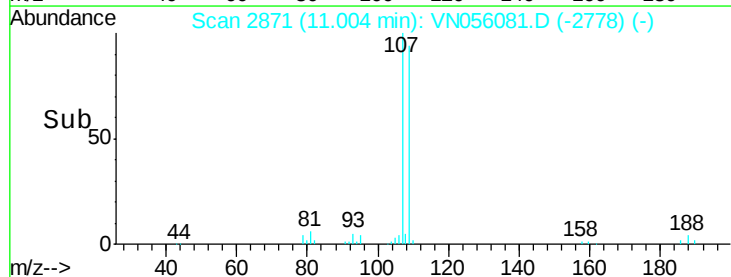
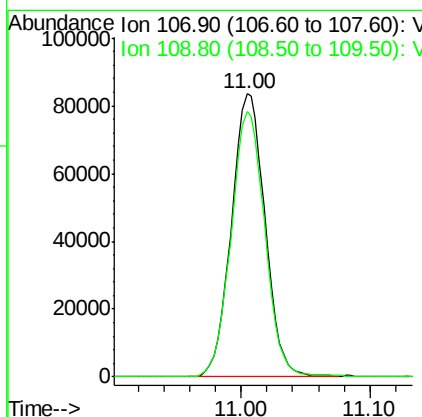
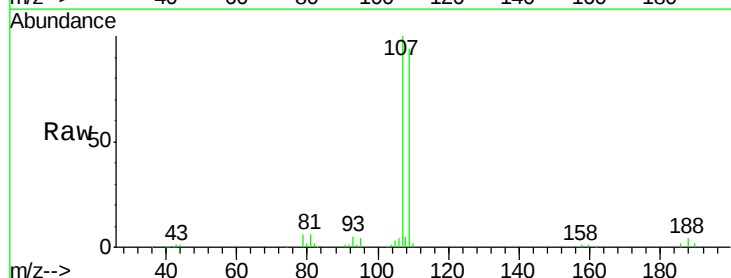
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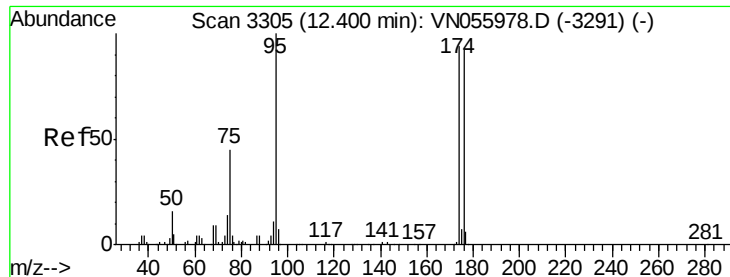
MMDadoda
6/7/2019 9:41:55 AM



#61
1,2-Dibromoethane
Concen: 53.593 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion:107 Resp: 151323
Ion Ratio Lower Upper
107 100
109 94.4 74.8 112.2





#62

4-Bromofluorobenzene

Concen: 51.113 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

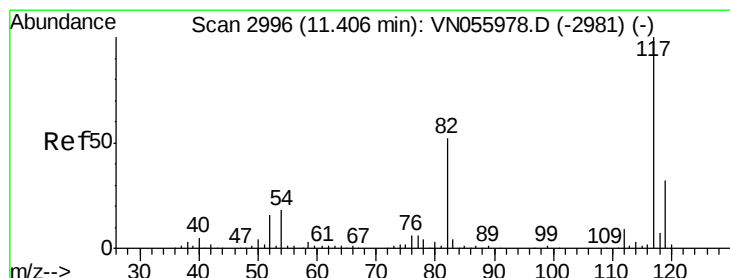
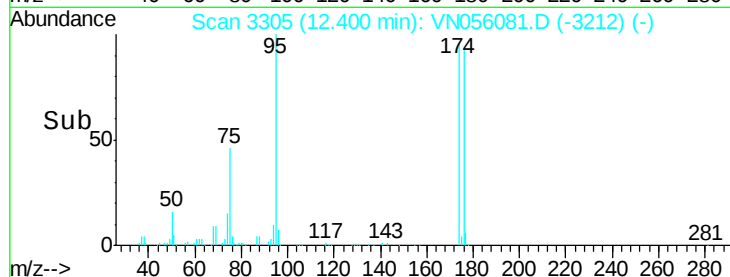
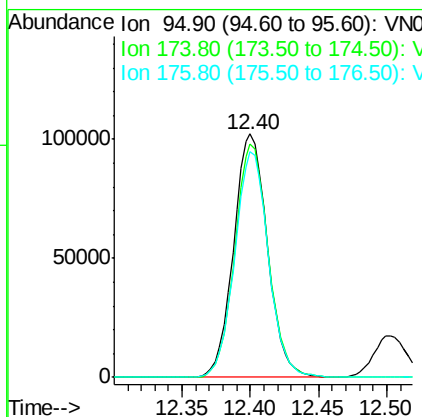
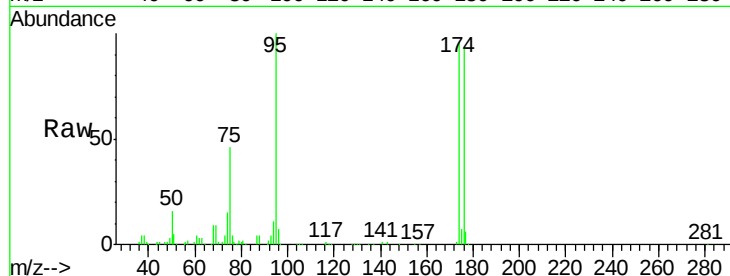
ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion:	95	Resp:	176077
Ion Ratio	Lower	Upper	
95	100		
174	95.1	0.0	191.0
176	91.9	0.0	185.2

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

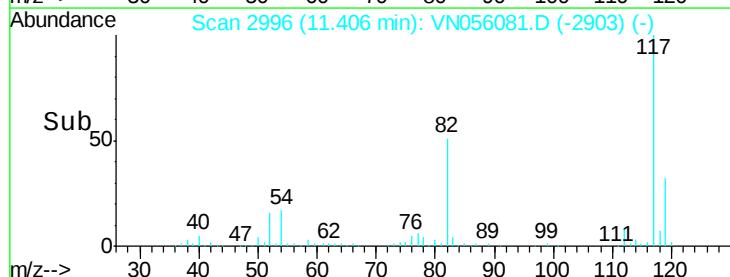
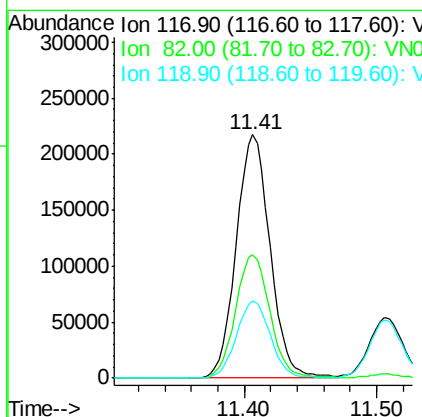
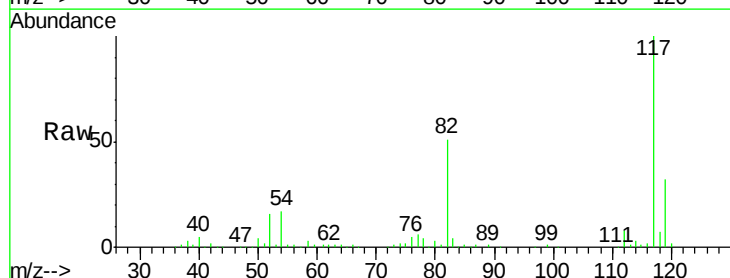
RT: 11.41 min Scan# 2996

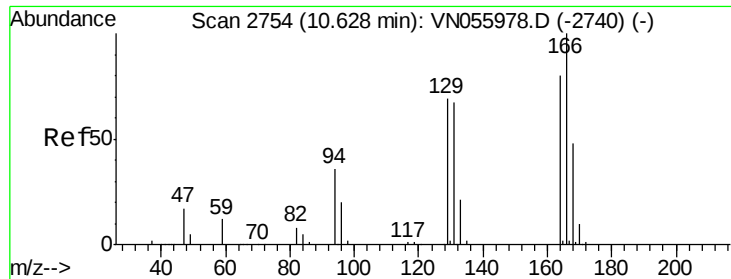
Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Tgt Ion:	117	Resp:	385937
Ion Ratio	Lower	Upper	
117	100		
82	50.8	41.8	62.8
119	31.5	25.4	38.0





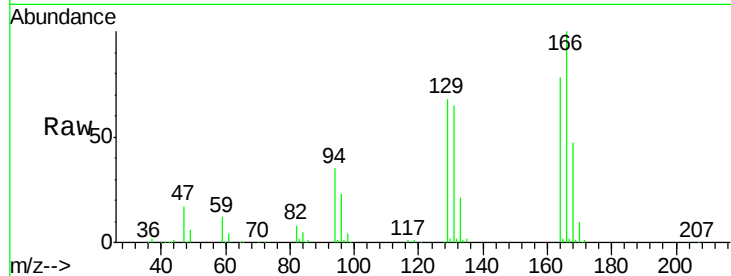
#64
Tetrachloroethene
Concen: 45.156 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.0	154.6
129	87.1	70.6	105.8
131	83.7	68.6	102.8

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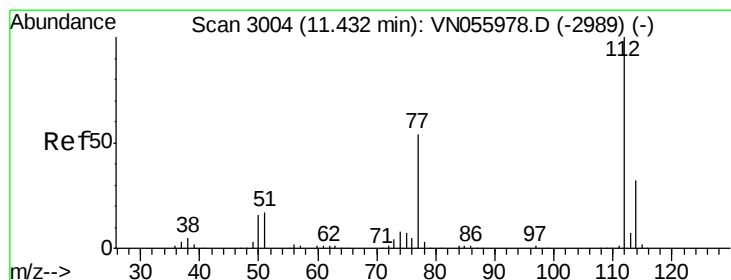
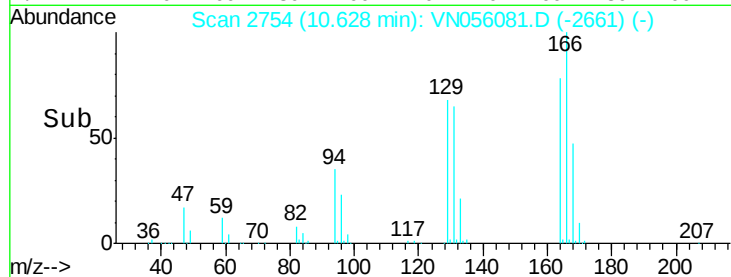
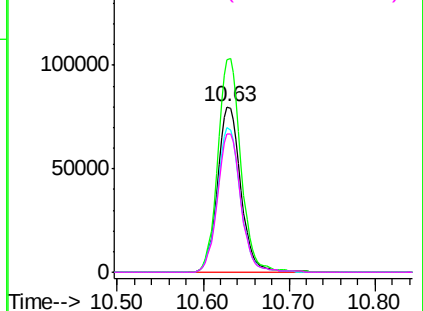
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

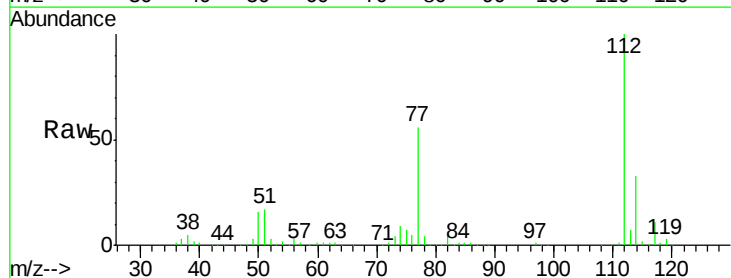
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 49.564 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

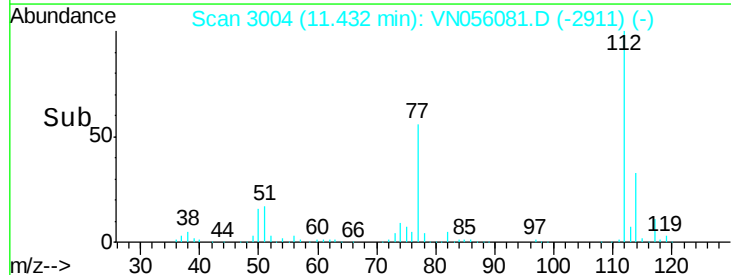
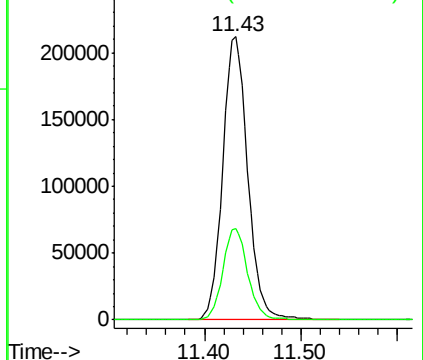
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.2	39.4

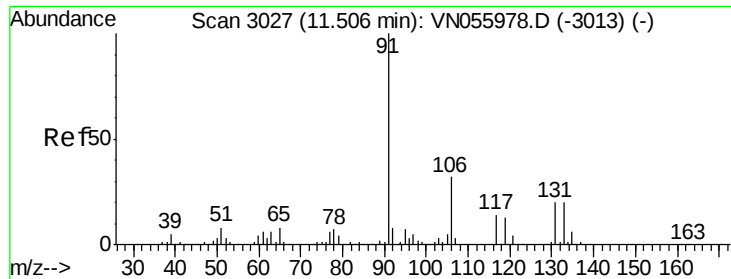


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 51.382 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

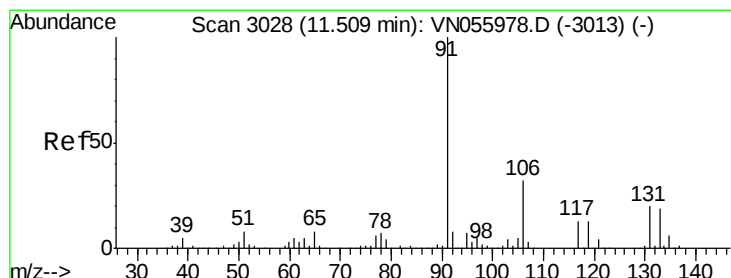
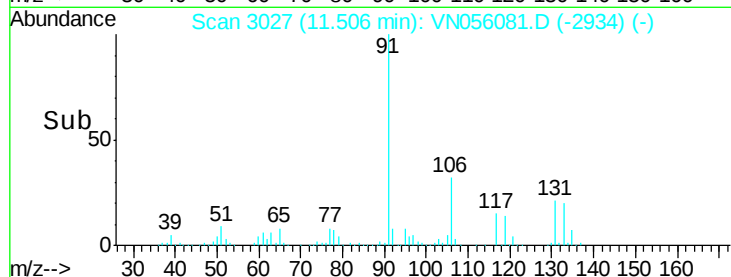
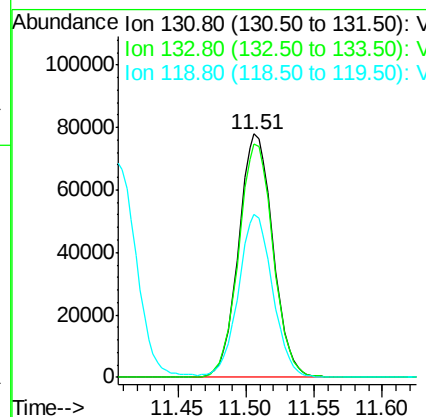
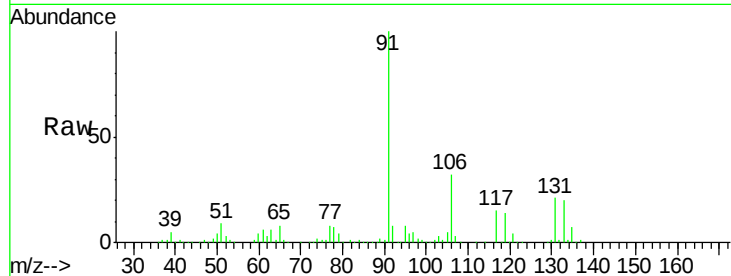
ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.0	144.0
119	66.8	33.1	99.5

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#67

Ethyl Benzene

Concen: 48.479 ug/l

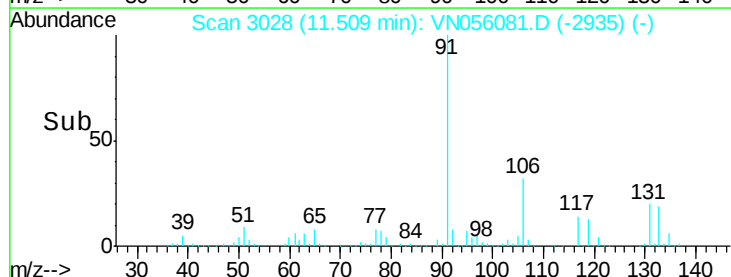
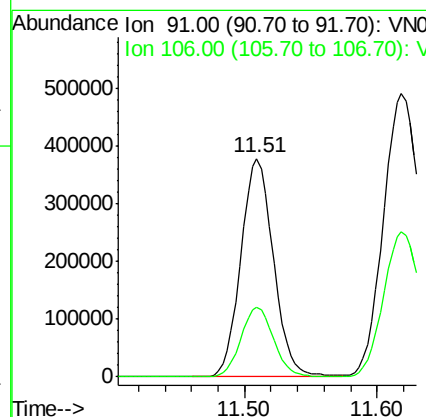
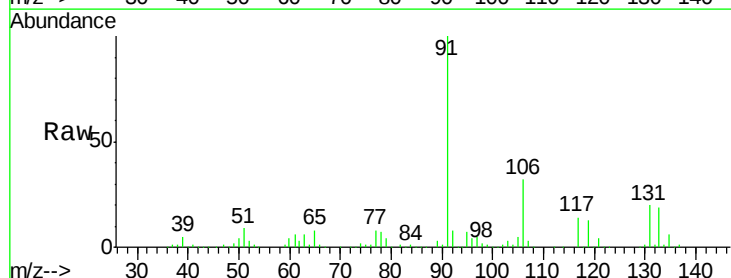
RT: 11.51 min Scan# 3028

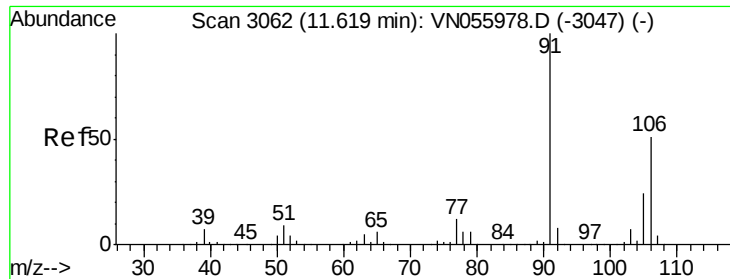
Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.1	37.7





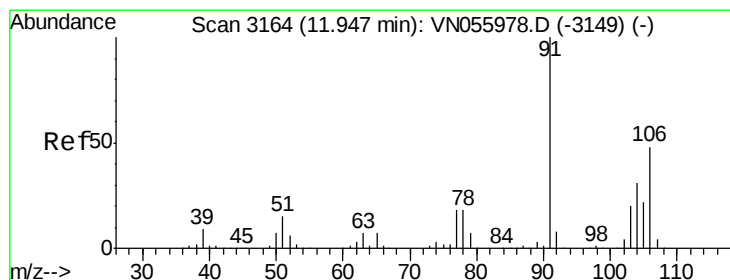
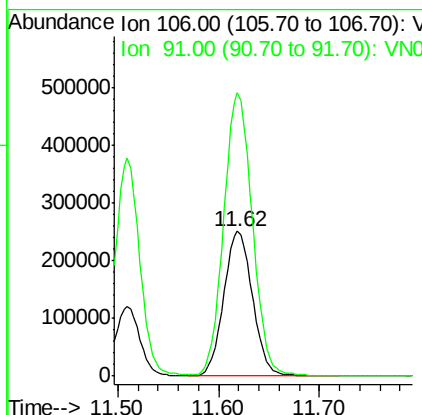
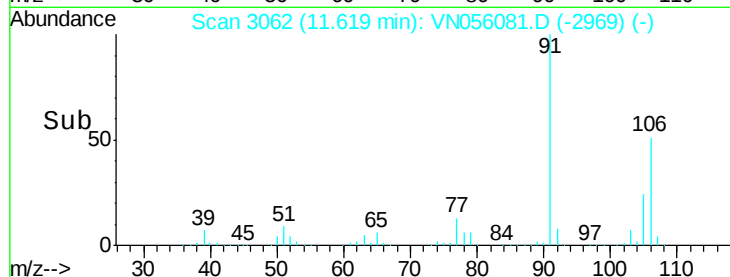
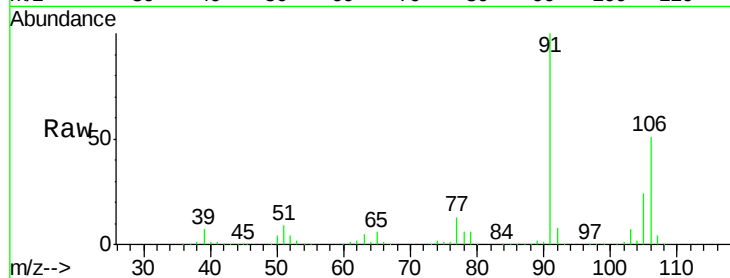
#68
m/p-Xylenes
Concen: 98.188 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion:106 Resp: 500964
Ion Ratio Lower Upper
106 100
91 195.0 159.3 238.9

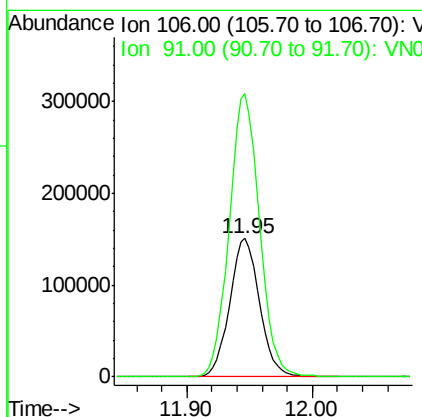
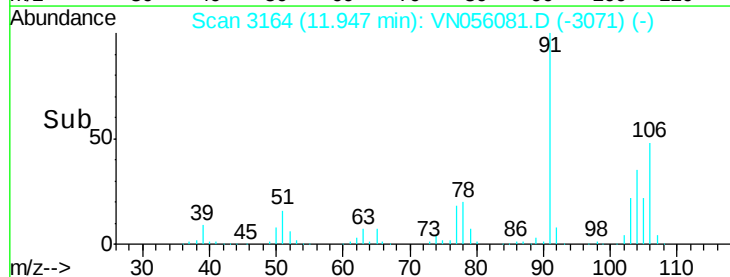
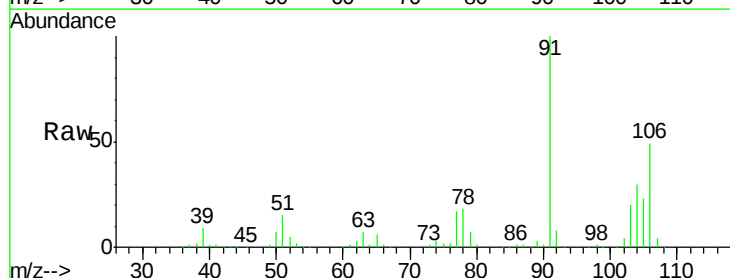
Manual Integrations
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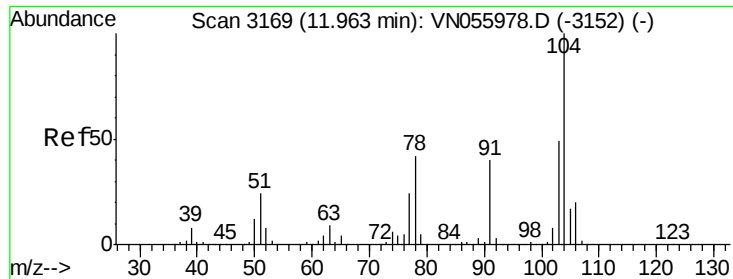
MMDadoda
6/7/2019 9:41:55 AM



#69
o-Xylene
Concen: 49.694 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion:106 Resp: 249399
Ion Ratio Lower Upper
106 100
91 207.5 104.7 314.1





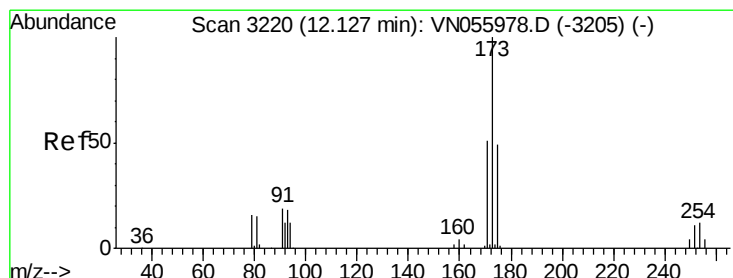
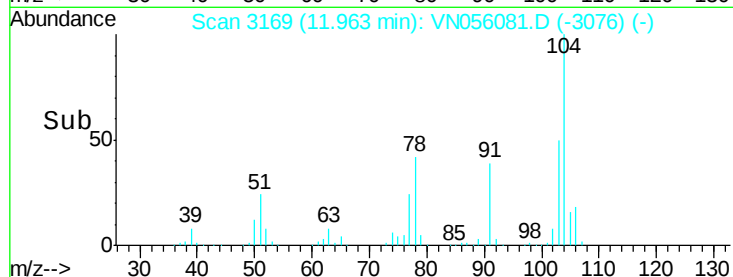
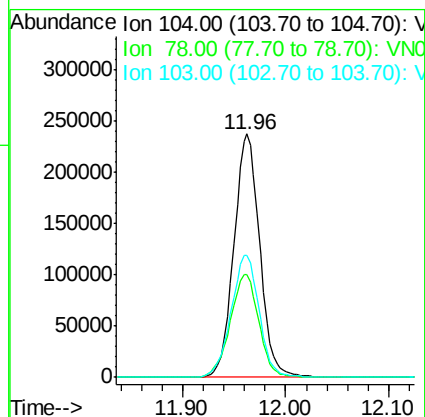
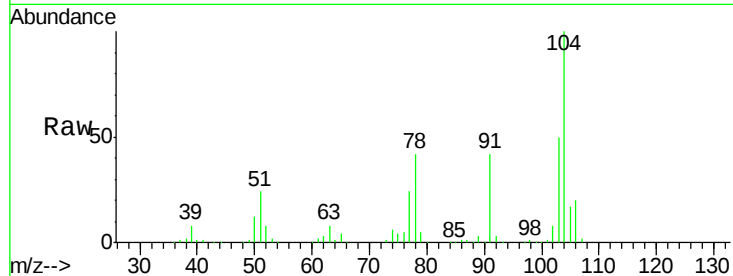
#70
Stvrene
Concen: 51.966 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.8	56.6
103	54.8	44.2	66.2

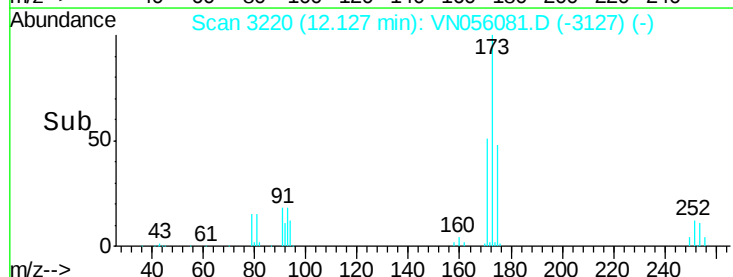
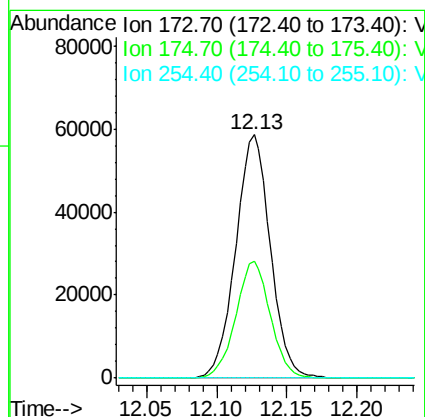
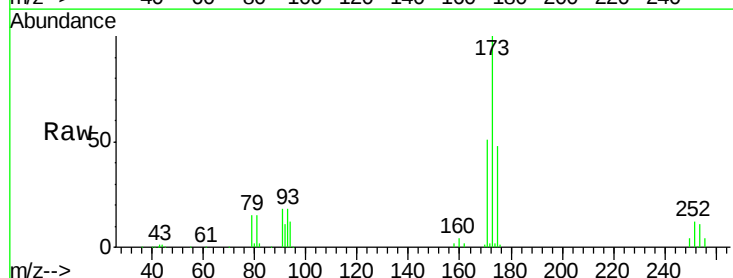
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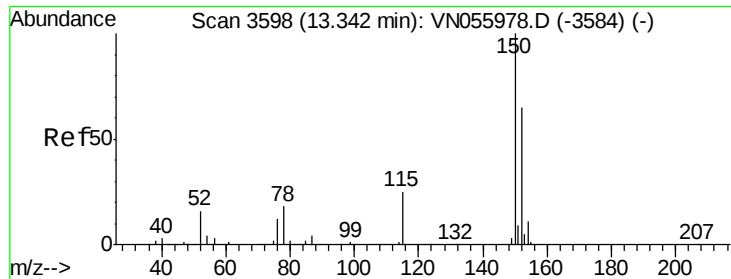
MMDadoda
6/7/2019 9:41:55 AM



#71
Bromoform
Concen: 45.505 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	72.8
254	0.0	0.0	0.0





#72

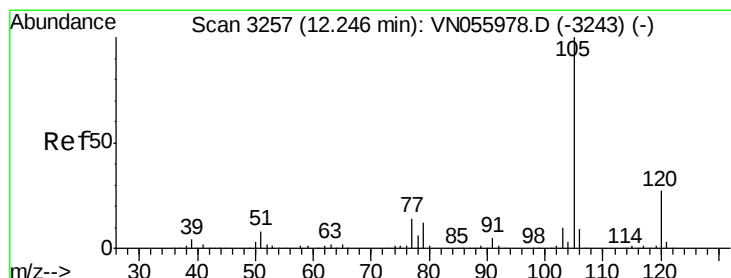
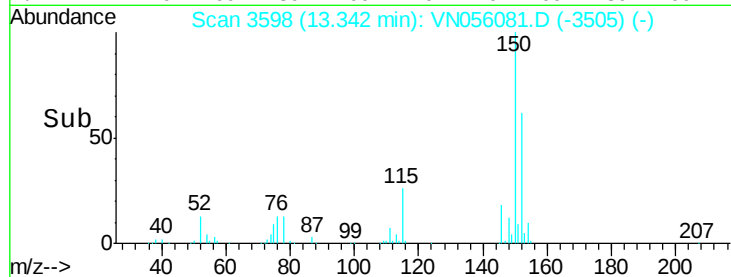
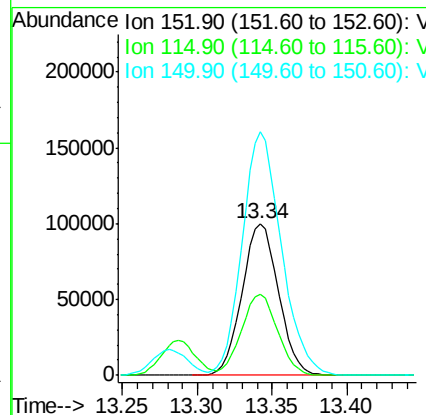
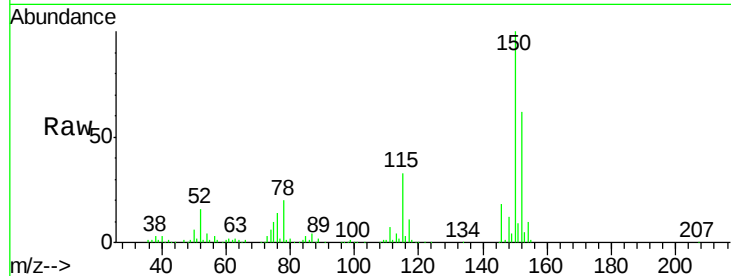
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.9	27.0	81.0
150	172.4	0.0	343.2

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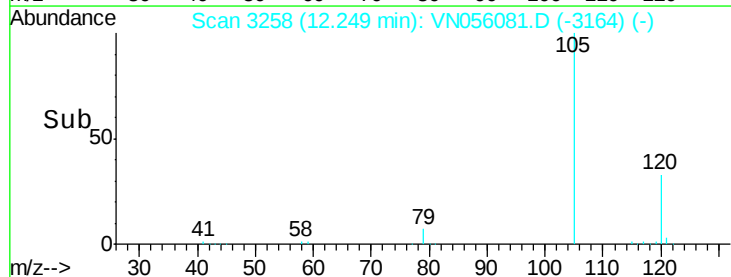
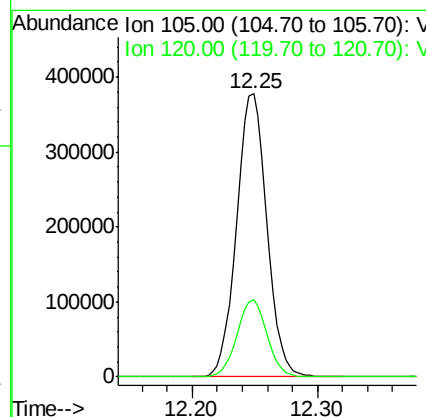
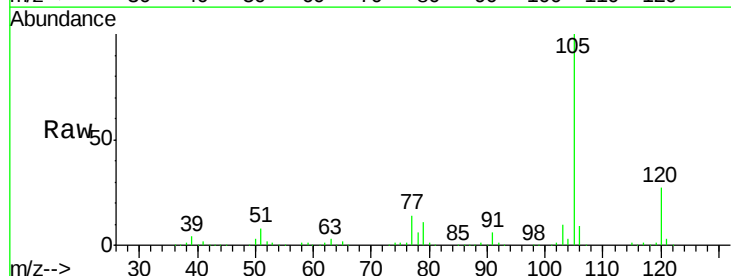
MMDadoda
6/7/2019 9:41:55 AM

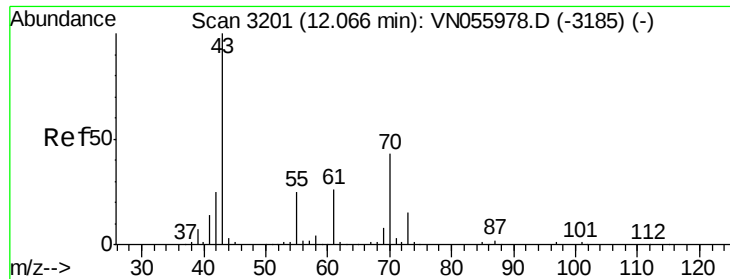


#73

Isopropylbenzene
Concen: 52.503 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.6	40.7





#74

N-amvl acetate

Concen: 43.305 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

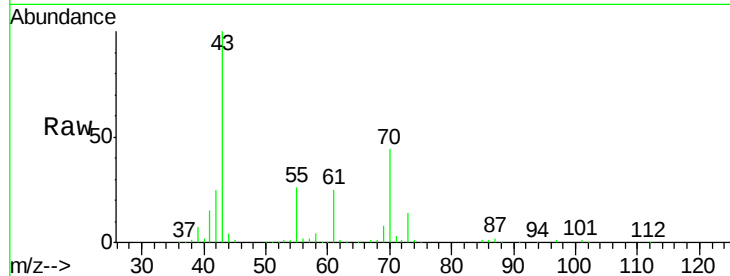
ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion	43	Resp	195653
Ion Ratio	Lower	Upper	
43	100		
70	43.8	34.0	51.0
55	25.6	18.6	28.0
61	25.4	20.0	30.0

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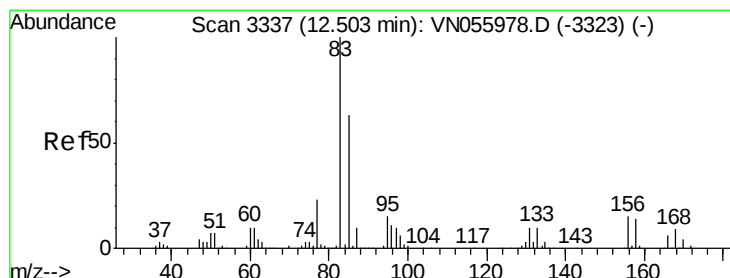
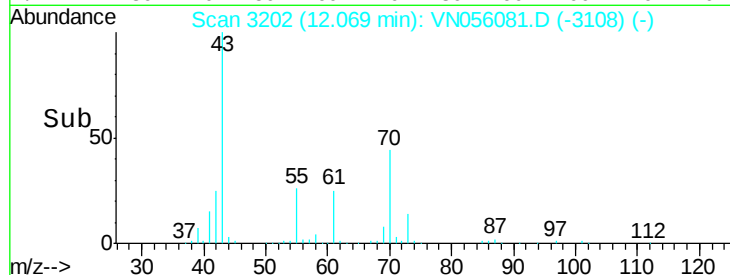
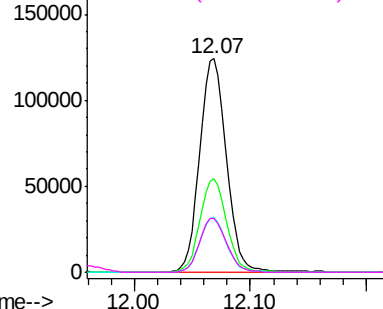


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 51.320 ug/l

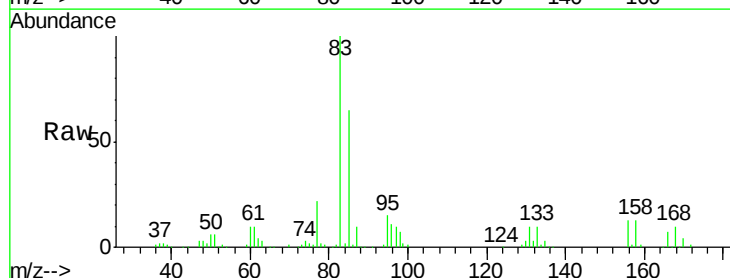
RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

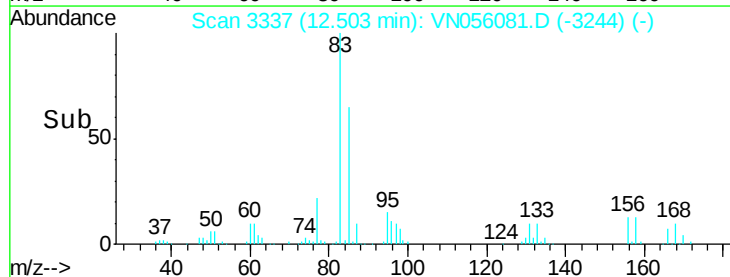
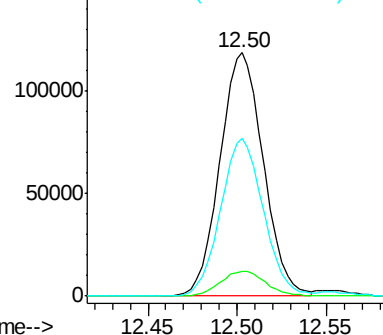
Tgt Ion	83	Resp	201925
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	64.0	32.4	97.0

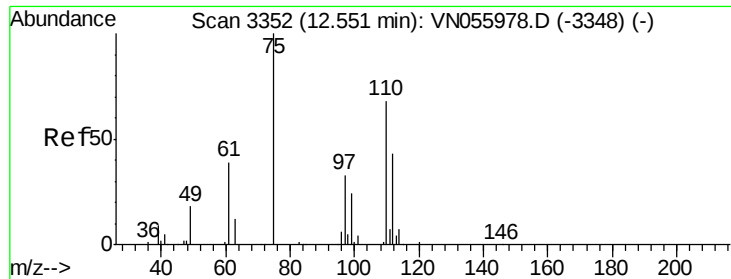


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





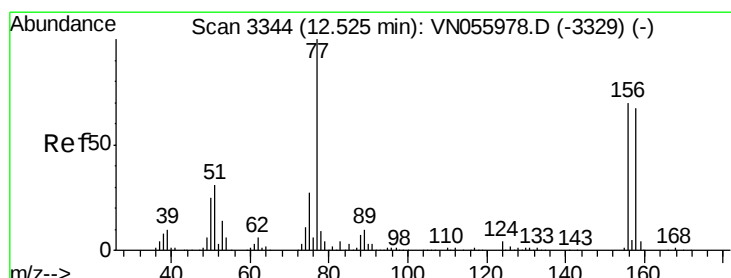
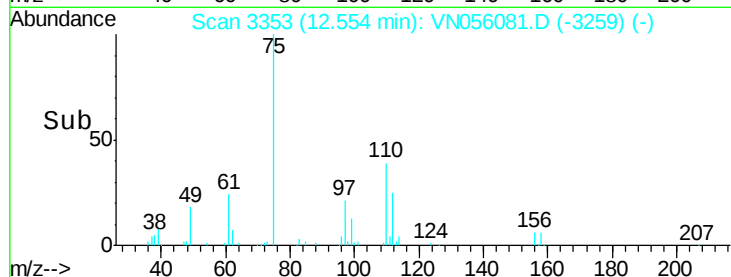
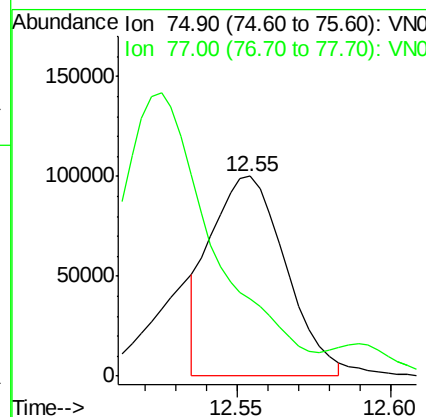
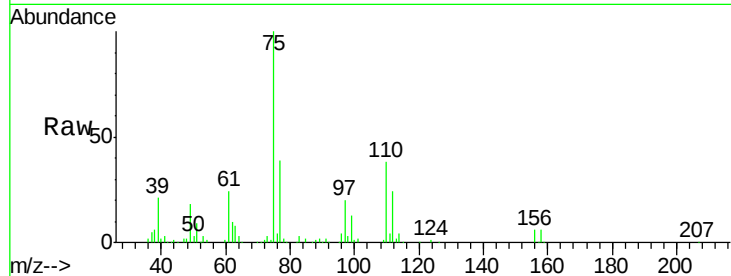
#76
 1,2,3-Trichloropropane
 Concen: 54.566 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MS

Tot Ion: 75 Resp: 170177
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

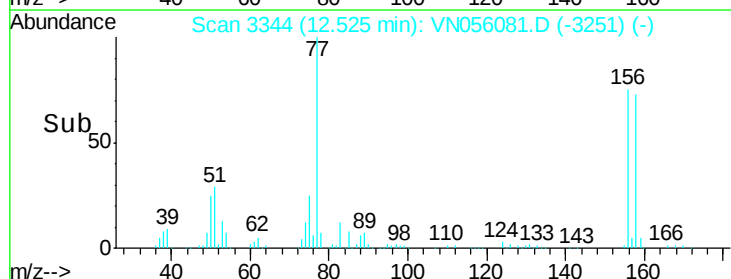
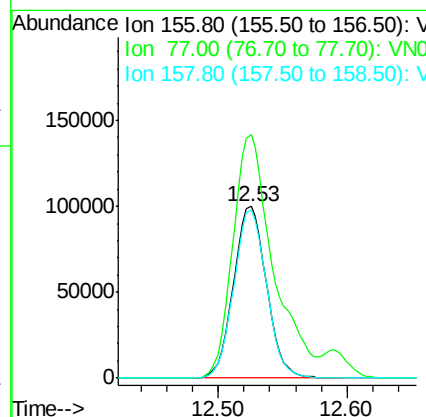
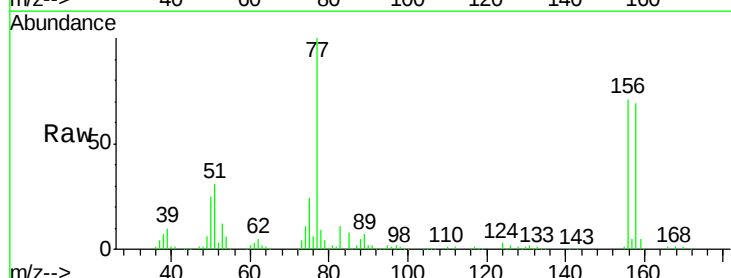
Manual Integrations
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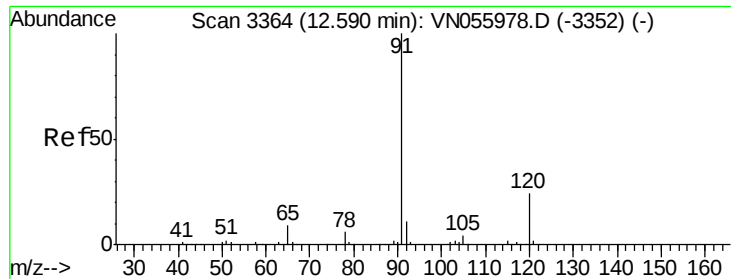
MMDadoda
 6/7/2019 9:41:55 AM



#77
 Bromobenzene
 Concen: 48.771 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Tgt Ion: 156 Resp: 176977
 Ion Ratio Lower Upper
 156 100
 77 174.3 90.8 272.5
 158 97.7 49.3 147.8





#78

n-propylbenzene

Concen: 46.250 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion: 91 Resp: 663168

Ion Ratio Lower Upper

91 100

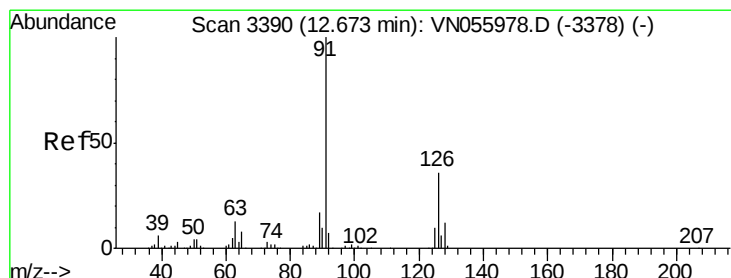
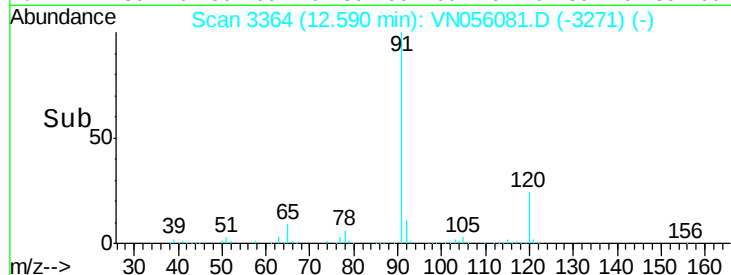
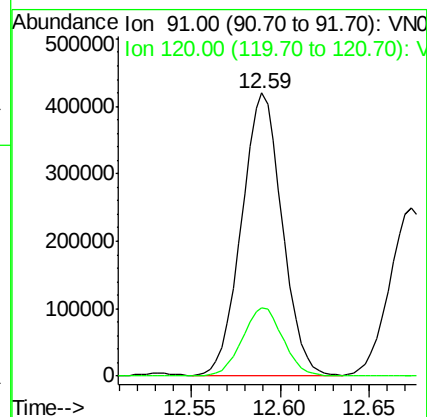
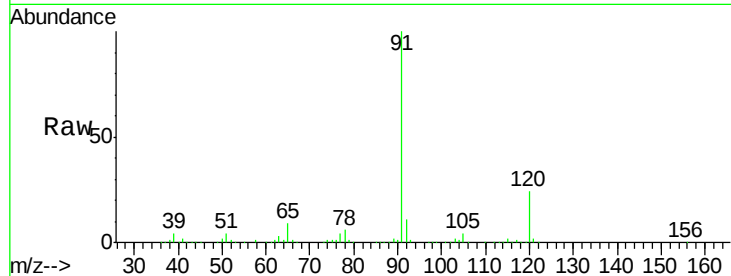
120 24.6 12.0 36.0

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#79

2-Chlorotoluene

Concen: 53.111 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056081.D

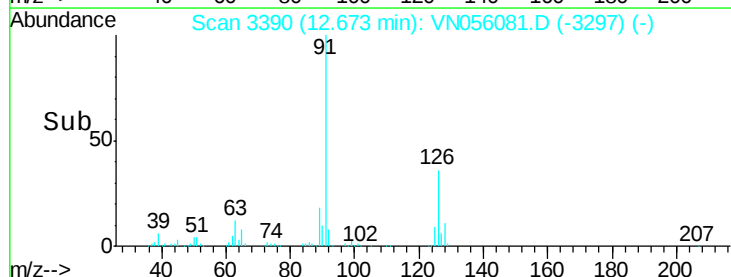
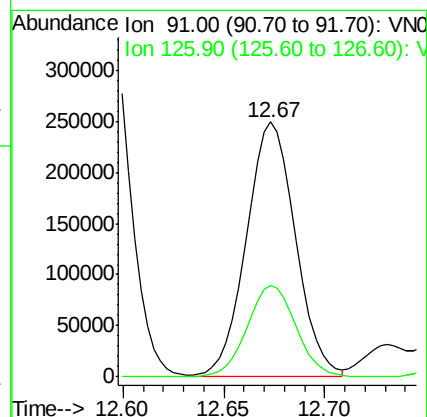
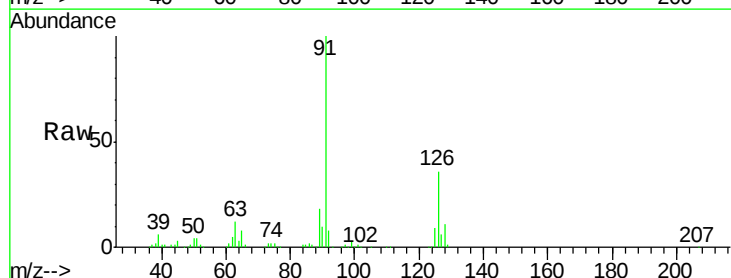
Acq: 7 Jun 2019 6:49

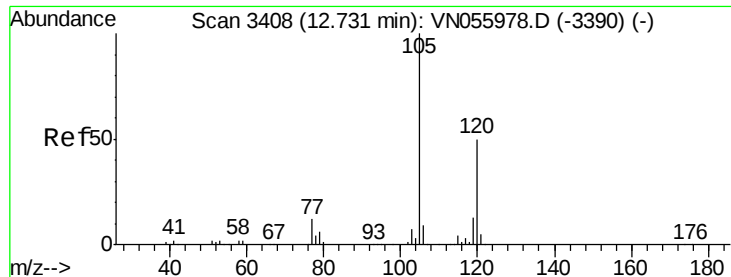
Tgt Ion: 91 Resp: 421257

Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.4





#80

1,3,5-Trimethylbenzene

Concen: 46.110 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion:105 Resp: 525464

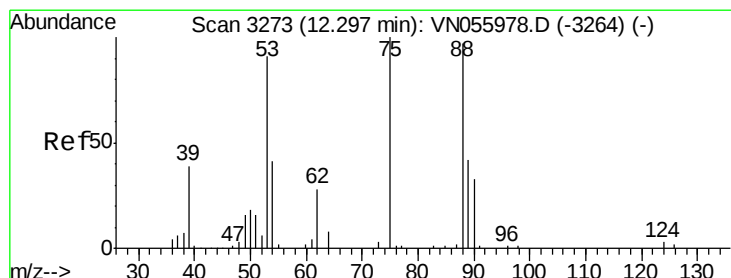
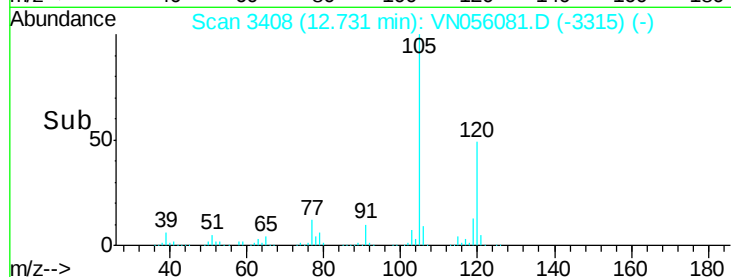
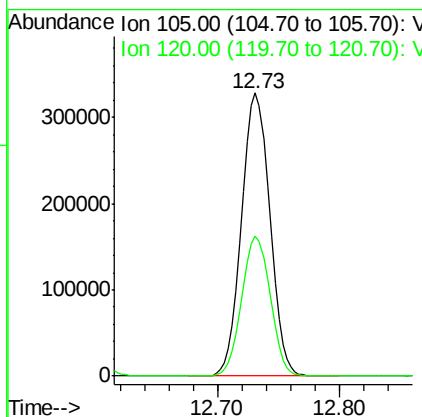
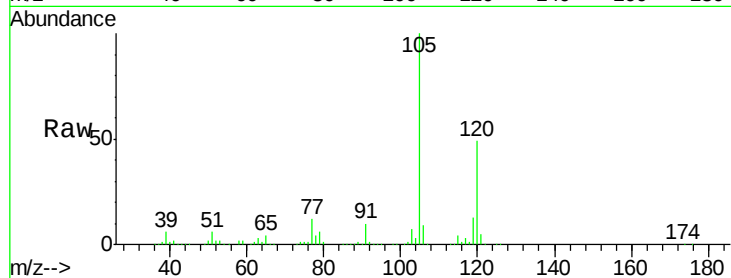
Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1

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#81

trans-1,4-Dichloro-2-butene

Concen: 40.246 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

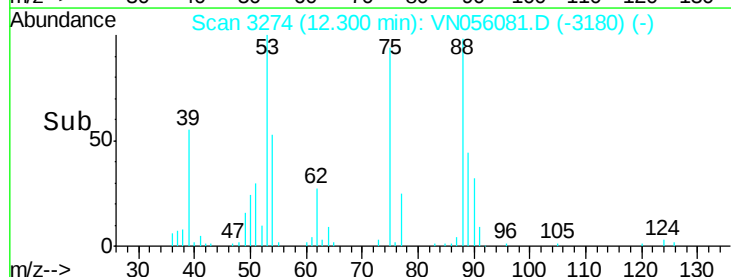
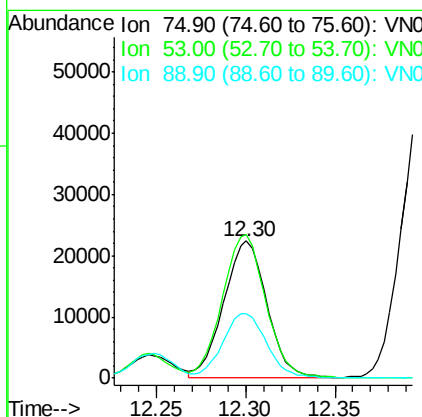
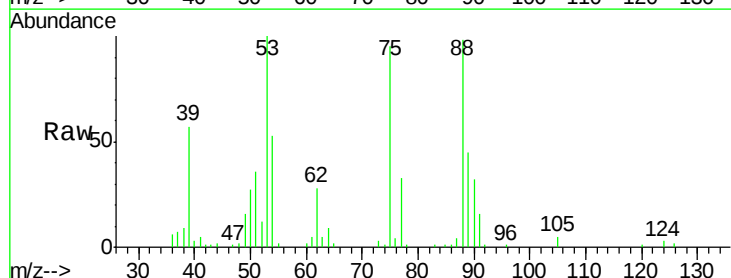
Tgt Ion: 75 Resp: 37690

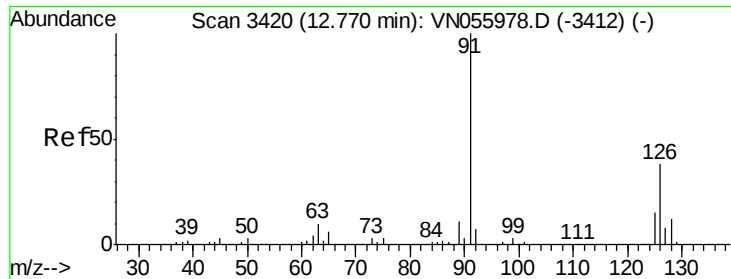
Ion Ratio Lower Upper

75 100

53 105.3 68.1 102.1#

89 47.5 36.9 55.3





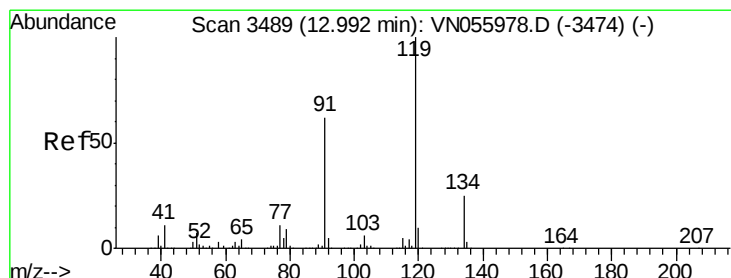
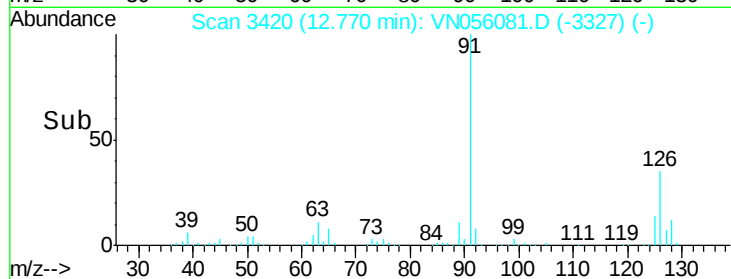
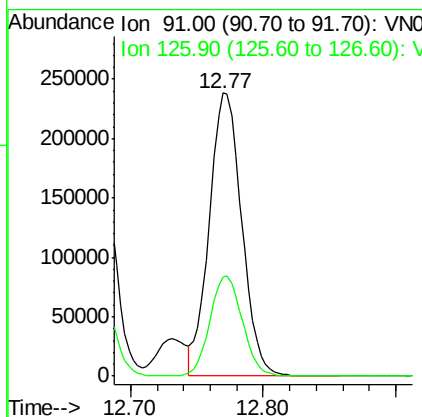
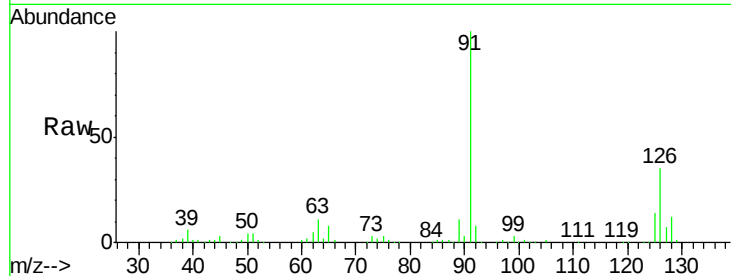
#82
4-Chlorotoluene
Concen: 48.400 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion: 91 Resp: 406021
Ion Ratio Lower Upper
91 100
126 35.3 17.8 53.3

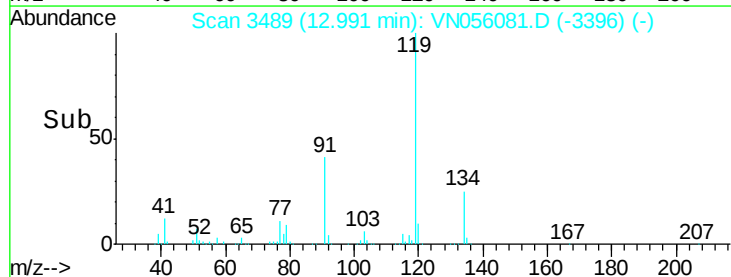
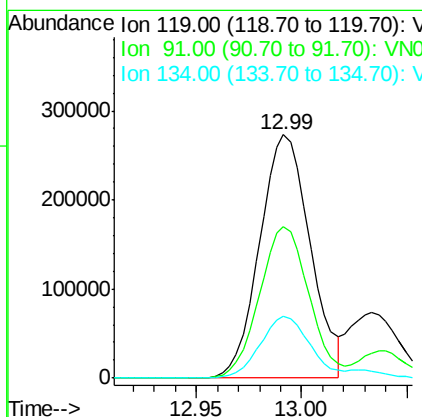
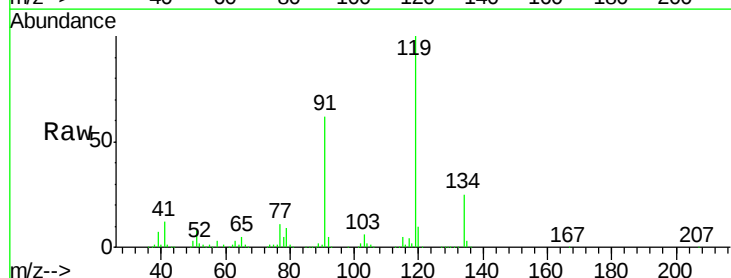
Manual Integrations
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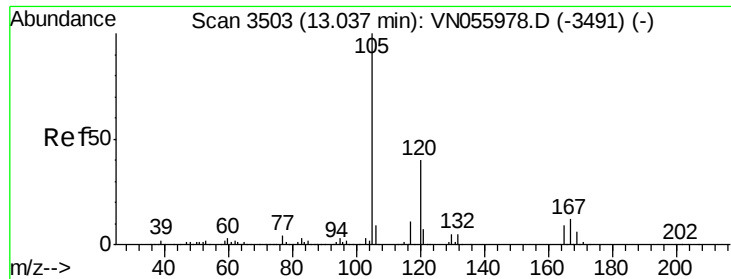
MMDadoda
6/7/2019 9:41:55 AM



#83
tert-Butylbenzene
Concen: 51.649 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion: 119 Resp: 455886
Ion Ratio Lower Upper
119 100
91 61.1 30.9 92.8
134 25.0 13.3 39.8





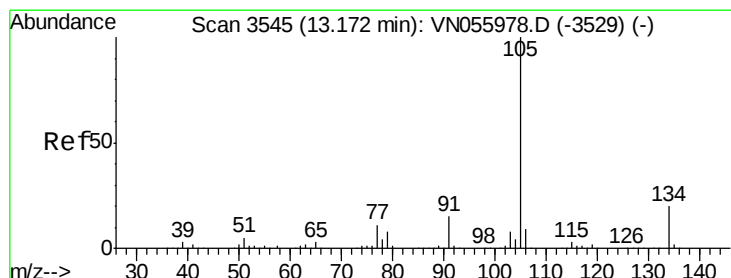
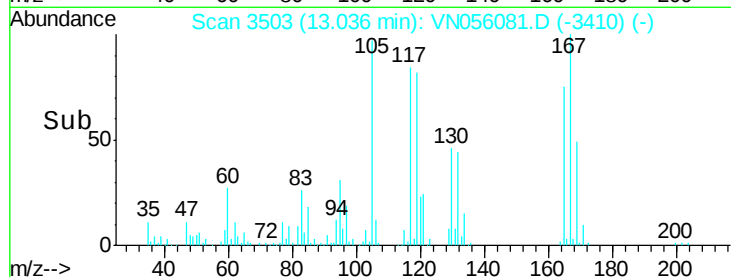
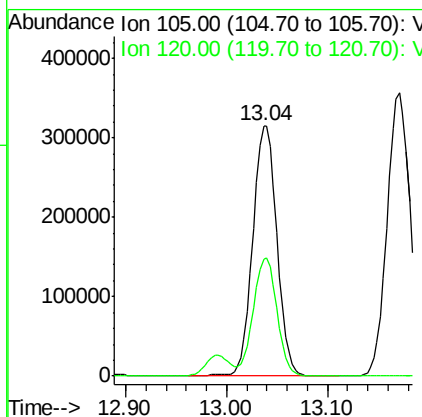
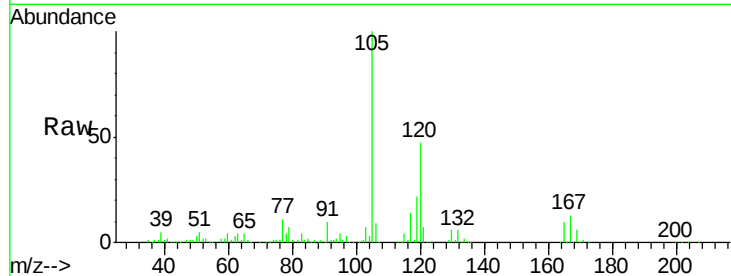
#84
1,2,4-Trimethylbenzene
Concen: 47.985 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion:105 Resp: 518558
Ion Ratio Lower Upper
105 100
120 46.4 23.0 69.0

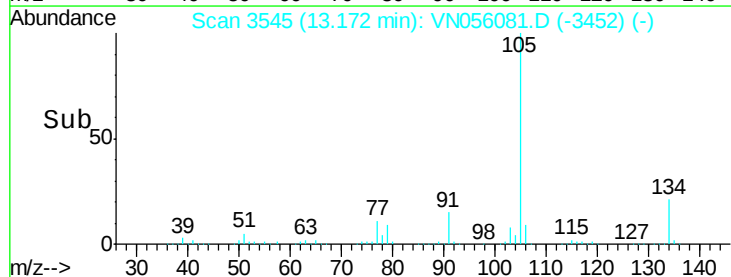
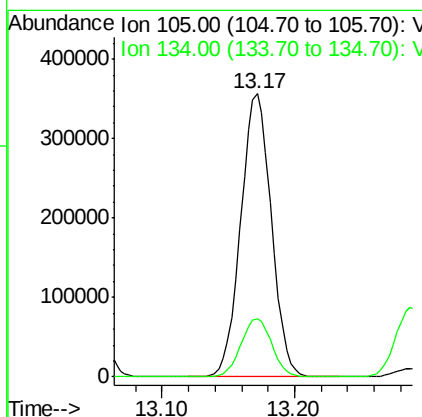
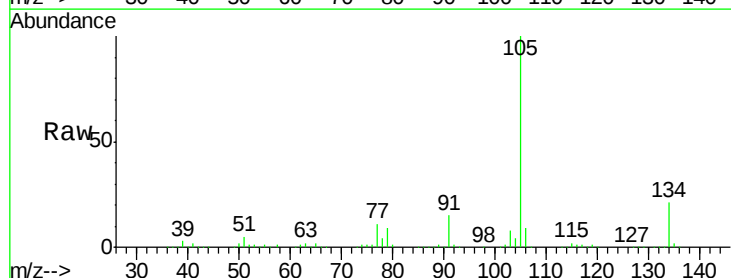
Manual Integrations
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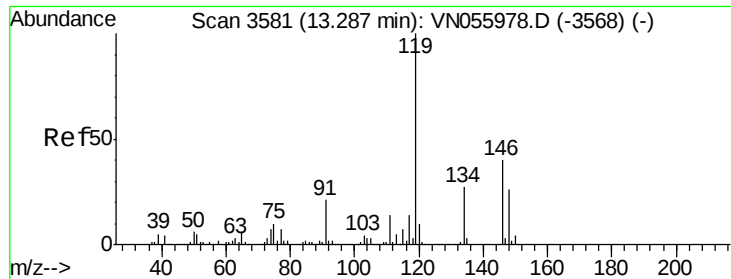
MMDadoda
6/7/2019 9:41:55 AM



#85
sec-Butylbenzene
Concen: 44.810 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion:105 Resp: 569008
Ion Ratio Lower Upper
105 100
134 20.8 10.4 31.2





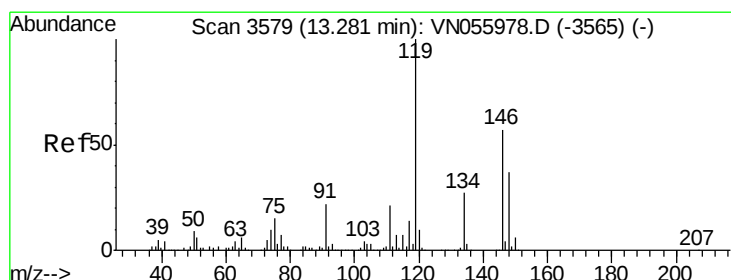
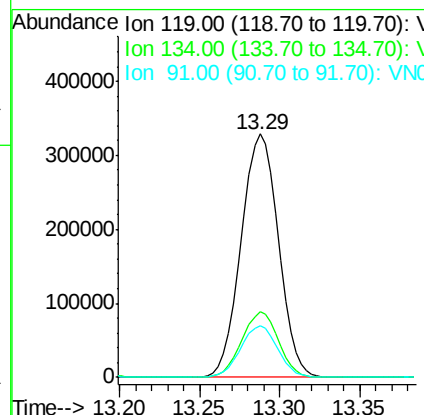
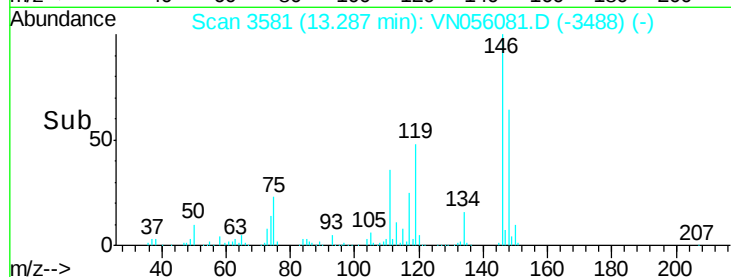
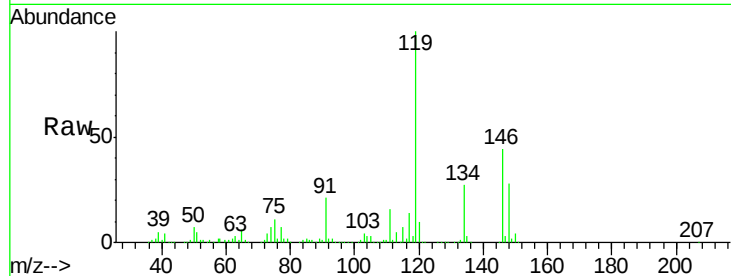
#86
 p-Isopropyltoluene
 Concen: 45.826 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	520789		
134	26.5		13.4	40.1
91	20.9		10.9	32.9

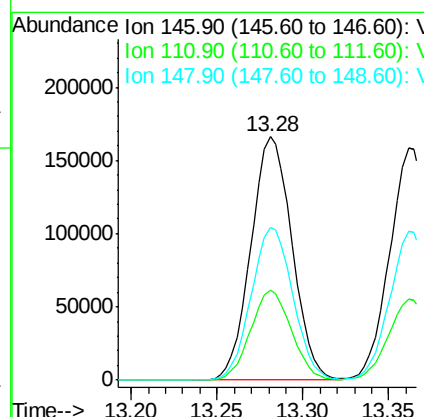
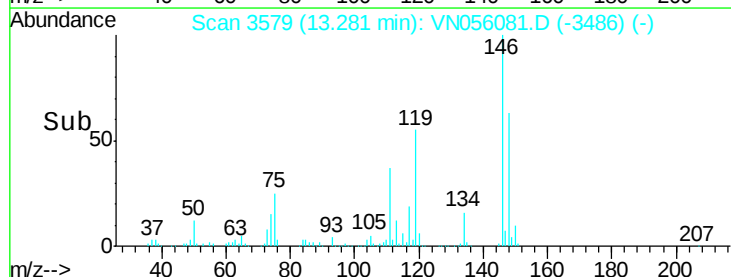
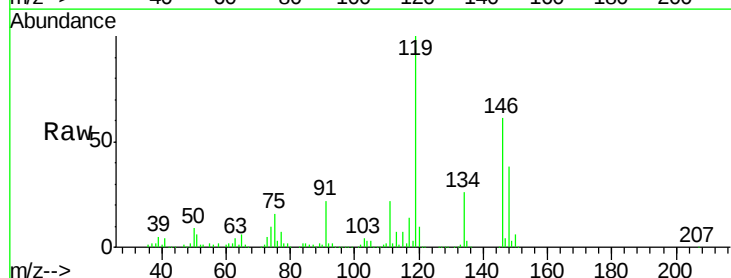
Manual Integrations
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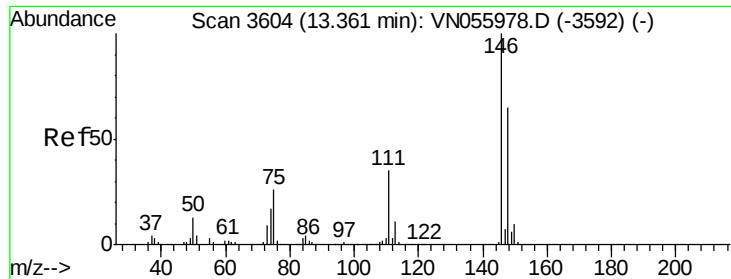
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 6/7/2019 9:41:55 AM



#87
 1,3-Dichlorobenzene
 Concen: 49.072 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	275602		
111	36.7		18.5	55.5
148	63.6		32.0	96.2





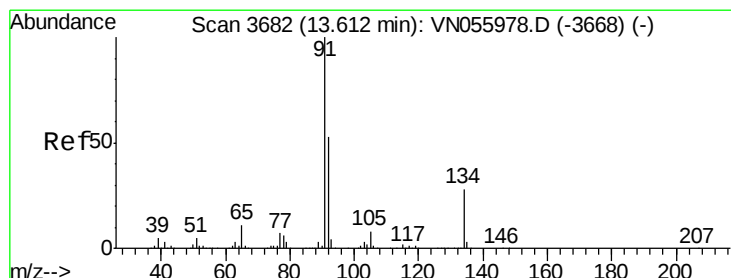
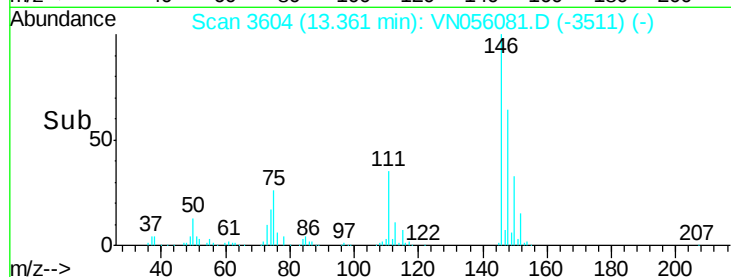
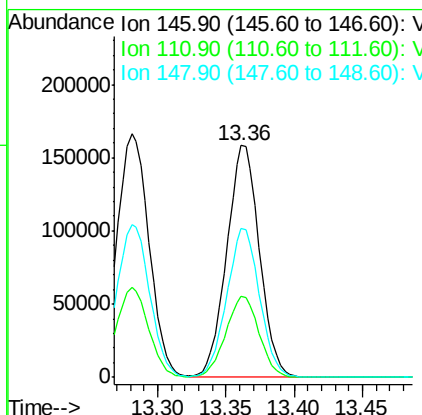
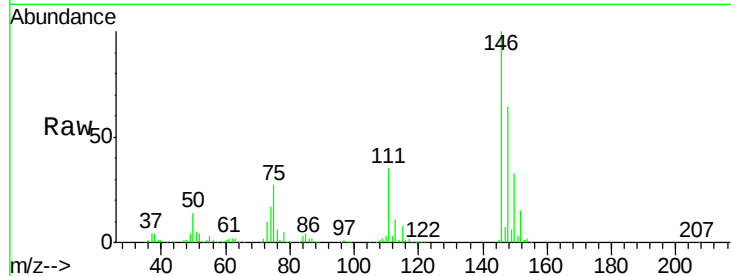
#88
 1,4-Dichlorobenzene
 Concen: 48.864 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	263995		
111	35.7	18.1	54.4	
148	64.5	32.1	96.5	

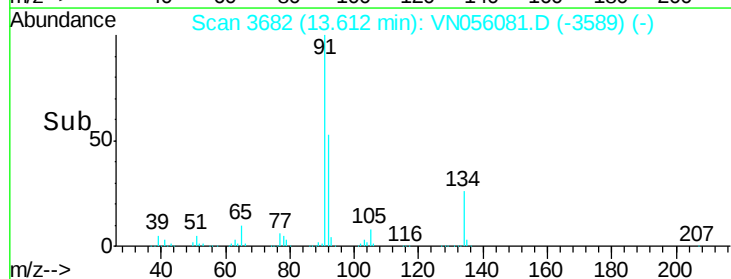
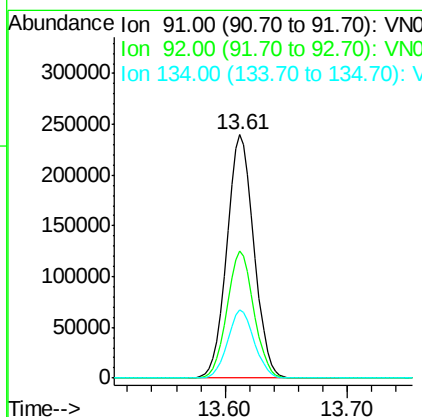
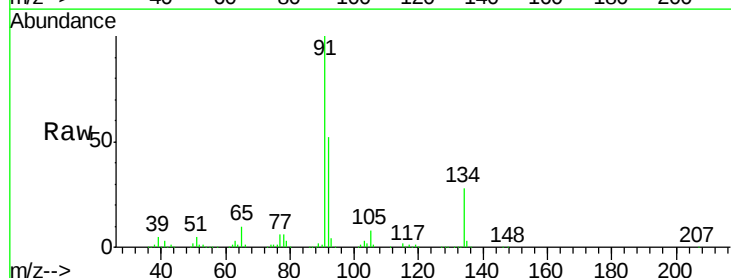
Manual Integrations
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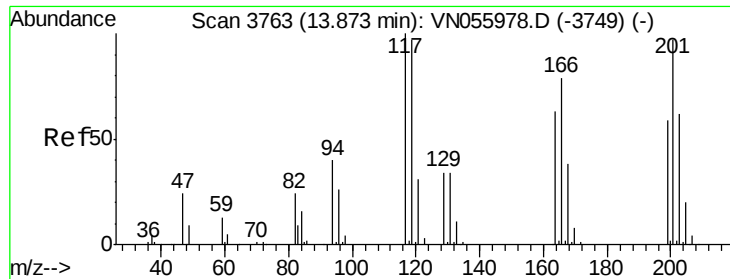
MMDadoda
 6/7/2019 9:41:55 AM



#89
 n-Butylbenzene
 Concen: 44.036 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	370727		
92	52.1	26.4	79.0	
134	27.6	13.9	41.7	





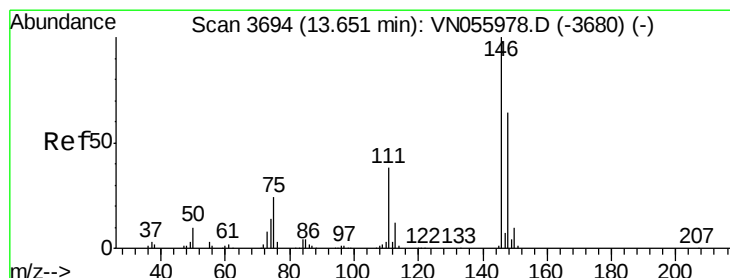
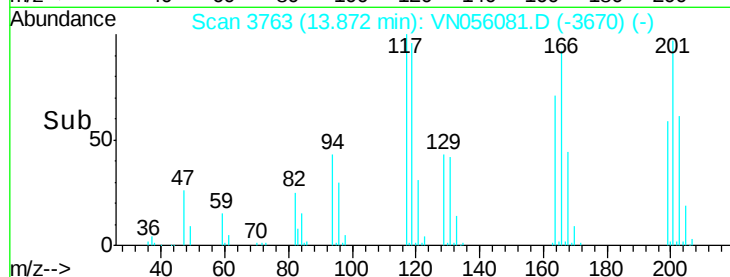
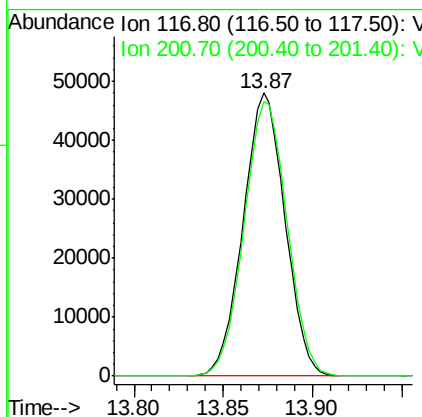
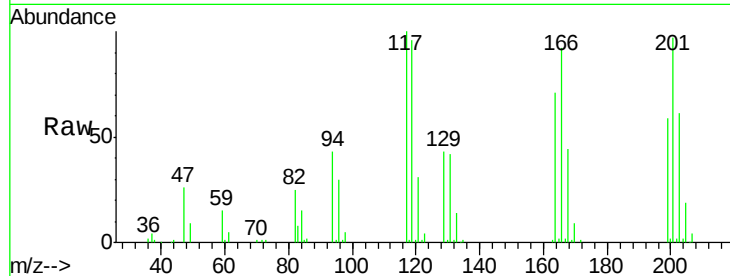
#90
Hexachloroethane
Concen: 46.096 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-30190604MS

Tot Ion:117 Resp: 79003
Ion Ratio Lower Upper
117 100
201 99.6 50.0 150.0

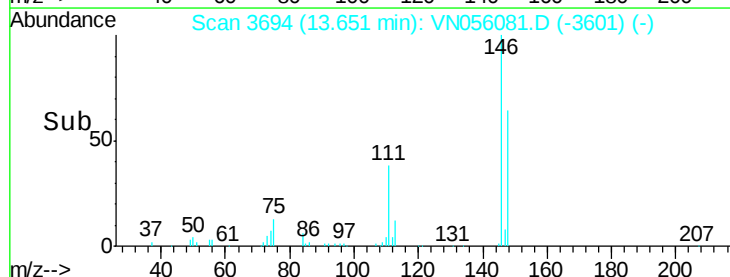
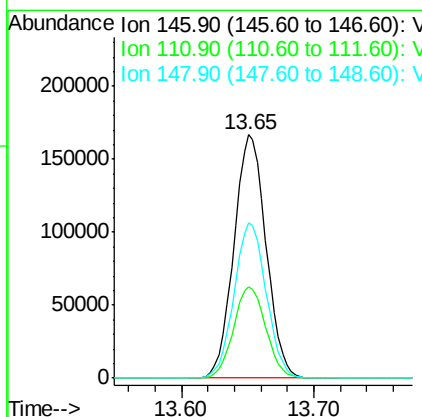
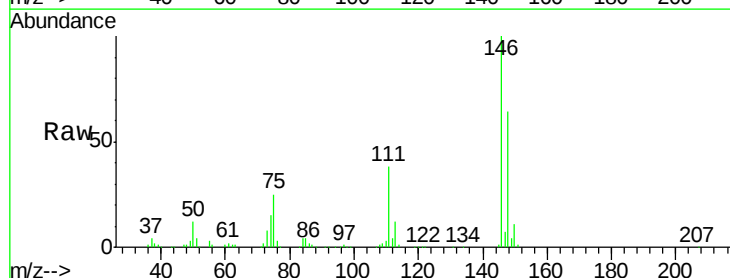
Manual Integrations
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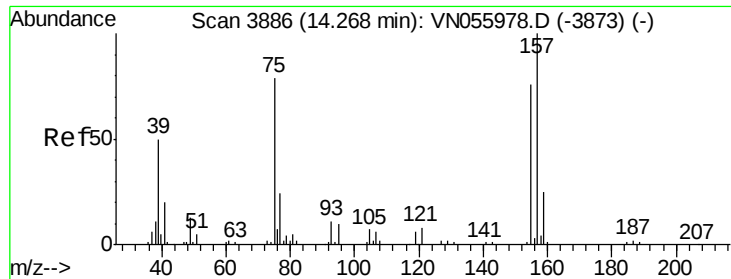
MMDadoda
6/7/2019 9:41:55 AM



#91
1,2-Dichlorobenzene
Concen: 49.427 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN056081.D
Acq: 7 Jun 2019 6:49

Tgt Ion:146 Resp: 280261
Ion Ratio Lower Upper
146 100
111 37.7 19.1 57.5
148 63.6 31.9 95.9





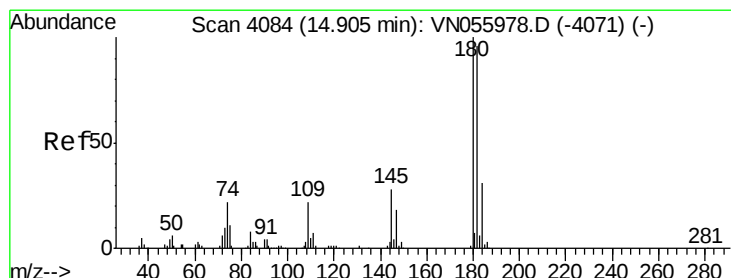
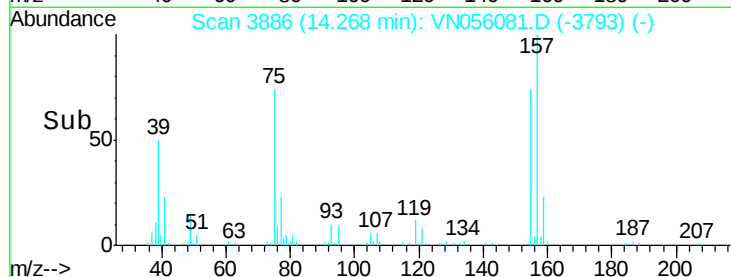
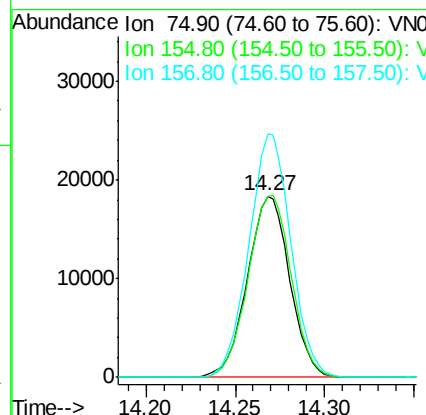
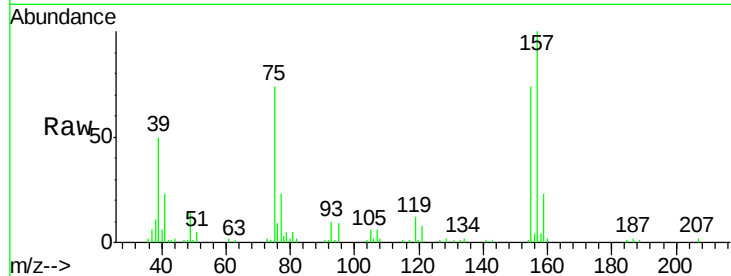
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.159 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	102.3	50.0	150.1
157	133.6	64.8	194.3

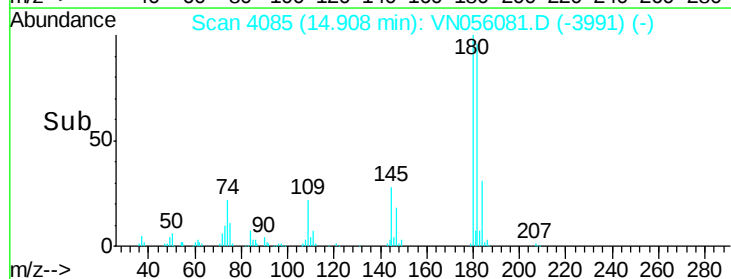
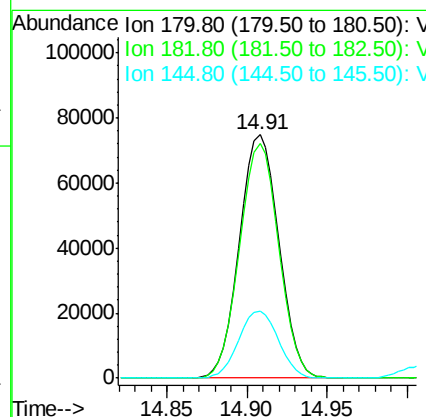
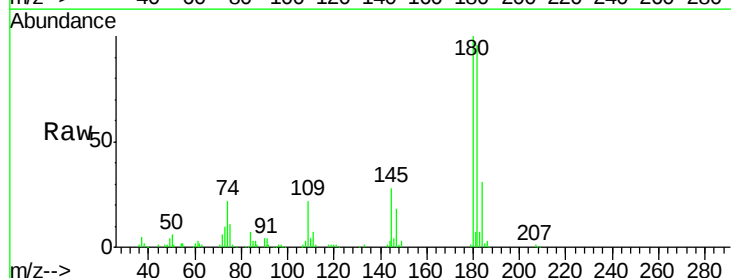
Manual Integrations
 APPROVED

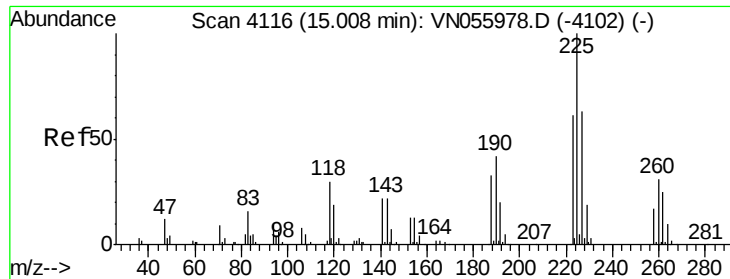
MMDadoda
 6/7/2019 9:41:55 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 41.039 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056081.D
 Acq: 7 Jun 2019 6:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.3	144.9
145	27.9	14.0	41.9





#94

Hexachlorobutadiene

Concen: 43.545 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

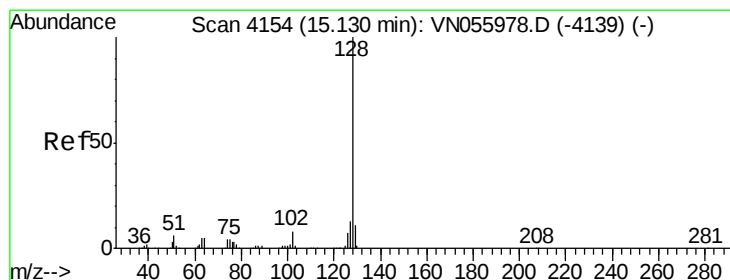
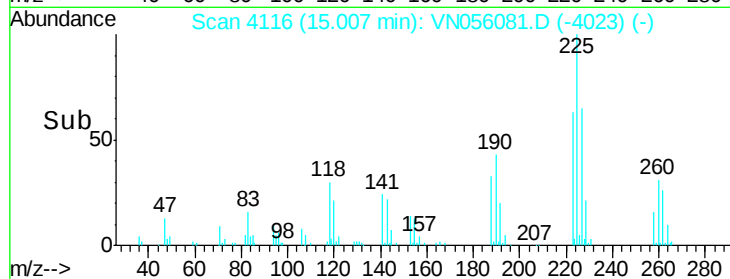
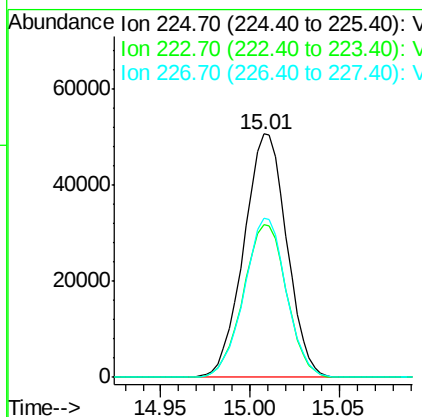
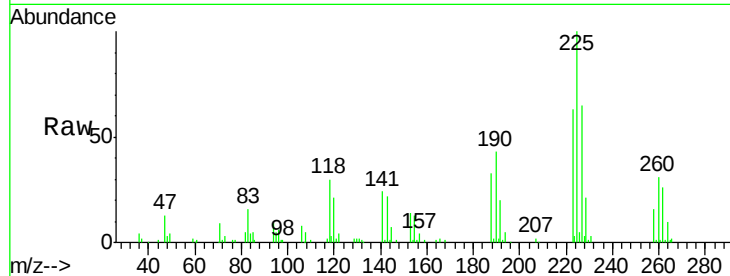
ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion:	225	Resp:	85208
Ion Ratio		Lower	Upper
225	100		
223	63.3	30.9	92.7
227	64.2	31.6	94.7

Manual Integrations
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6/7/2019 9:41:55 AM



#95

Naphthalene

Concen: 44.399 ug/l

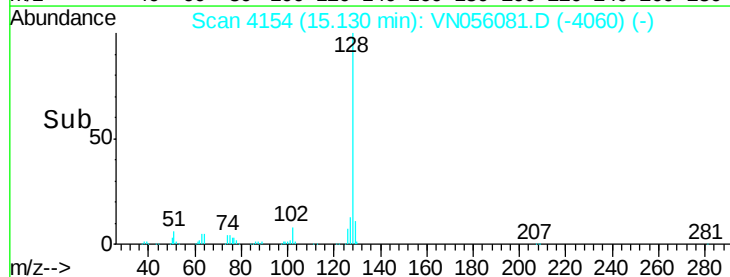
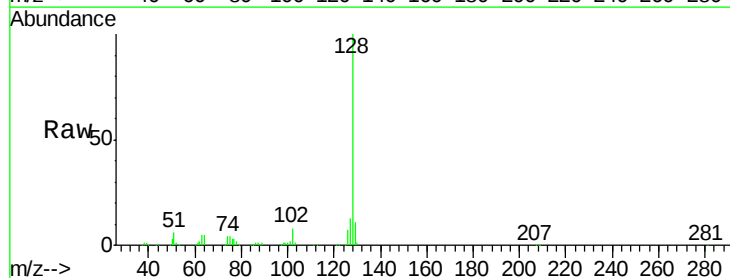
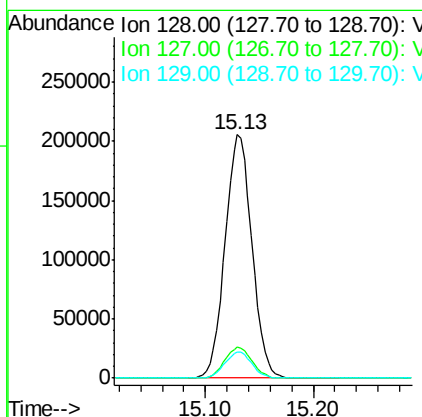
RT: 15.13 min Scan# 4154

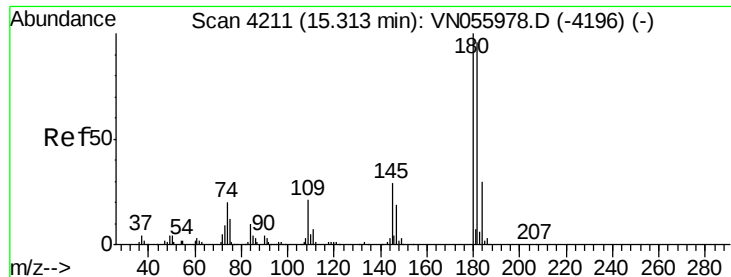
Delta R.T. 0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Tgt Ion:	128	Resp:	356148
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1





#96

1,2,3-Trichlorobenzene

Concen: 44.926 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056081.D

Acq: 7 Jun 2019 6:49

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-30190604MS

Tot Ion:	180	Resp:	142021
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.7
145	29.7	14.9	44.7

Manual Integrations
APPROVED

MMDadoda
6/7/2019 9:41:55 AM

