

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056180.D
 Acq On : 10 Jun 2019 19:34
 Operator : JC/SP
 Sample : K3280-10MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:59:49 AM

Quant Time: Jun 11 04:29:49 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	284342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	413860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	379827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	146284	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.59	113	135012	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	10.09	98	495181	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.40	95	170816	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	147571	47.261	ug/l	99
3) Chloromethane	2.06	50	159645	51.794	ug/l	98
4) Vinyl Chloride	2.18	62	157103	50.813	ug/l	98
5) Bromomethane	2.52	94	94328	48.297	ug/l	99
6) Chloroethane	2.67	64	82279	45.899	ug/l	95
7) Trichlorofluoromethane	3.00	101	195970	49.650	ug/l	99
8) Diethyl Ether	3.40	74	78491	48.357	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	122321	51.017	ug/l	99
10) Methyl Iodide	3.93	142	183212	48.084	ug/l	99
11) Tert butyl alcohol	4.82	59	128253	261.042	ug/l	100
12) 1,1-Dichloroethene	3.72	96	122069	51.139	ug/l	97
13) Acrolein	3.60	56	44253	312.305	ug/l	99
14) Allyl chloride	4.31	41	196423	52.113	ug/l	97
15) Acrylonitrile	4.99	53	356829	298.354	ug/l	99
16) Acetone	3.82	43	281707	208.628	ug/l	100
17) Carbon Disulfide	4.03	76	271418	47.489	ug/l	100
18) Methyl Acetate	4.33	43	152151	57.451	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	400202	52.598	ug/l	98
20) Methylene Chloride	4.54	84	144705	52.016	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	130348	50.965	ug/l	97
22) Diisopropyl ether	5.95	45	410862	52.732	ug/l	98
23) Vinyl Acetate	5.90	43	1589857	259.110	ug/l	99
24) 1,1-Dichloroethane	5.84	63	237685	52.884	ug/l	99
25) 2-Butanone	6.84	43	466401	273.382	ug/l	100
26) 2,2-Dichloropropane	6.82	77	144043	41.072	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	153645	51.107	ug/l	97
28) Bromochloromethane	7.19	49	117773	55.411	ug/l	99
29) Tetrahydrofuran	7.22	42	307329	291.425	ug/l	99
30) Chloroform	7.37	83	241478	53.409	ug/l	99
31) Cyclohexane	7.65	56	207680	46.358	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	201322	53.323	ug/l	99
36) 1,1-Dichloropropene	7.79	75	172826	48.566	ug/l	100
37) Ethyl Acetate	6.93	43	172176	54.377	ug/l	99
38) Carbon Tetrachloride	7.77	117	172739	52.651	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	206138	46.501	ug/l	98
40) Benzene	8.04	78	556335	51.473	ug/l	99
41) Methacrylonitrile	7.17	41	89293	61.294	ug/l	97
42) 1,2-Dichloroethane	8.12	62	178721	51.406	ug/l	100
43) Isopropyl Acetate	8.17	43	271694	52.953	ug/l #	92
44) Trichloroethene	8.83	130	158460	51.021	ug/l	98
45) 1,2-Dichloropropane	9.12	63	145874	52.691	ug/l	99
46) Dibromomethane	9.21	93	97886	54.069	ug/l	99
47) Bromodichloromethane	9.40	83	182325	55.568	ug/l	100
48) Methyl methacrylate	9.20	41	143276	57.078	ug/l	98
49) 1,4-Dioxane	9.20	88	63402	1169.954	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	920866	286.998	ug/l	99
52) Toluene	10.16	92	346921	51.582	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	181738	47.375	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	207090	52.508	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	146673	55.055	ug/l	98
56) Ethyl methacrylate	10.43	69	216264	55.643	ug/l	99
57) 1,3-Dichloropropane	10.71	76	233824	53.990	ug/l	100
59) 2-Hexanone	10.75	43	652169	280.439	ug/l	100
60) Dibromochloromethane	10.90	129	154004	52.295	ug/l	98
61) 1,2-Dibromoethane	11.00	107	151419	55.596	ug/l	100
64) Tetrachloroethene	10.63	164	152293	46.320	ug/l	99
65) Chlorobenzene	11.43	112	380466	50.331	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	142775	54.700	ug/l	99
67) Ethyl Benzene	11.51	91	656530	49.947	ug/l	100
68) m/p-Xylenes	11.62	106	504381	100.448	ug/l	98
69) o-Xylene	11.95	106	249453	50.504	ug/l	98
70) Styrene	11.96	104	416845	53.116	ug/l	100
71) Bromoform	12.13	173	112570	51.295	ug/l #	99
73) Isopropylbenzene	12.25	105	647992	53.565	ug/l	100
74) N-amyl acetate	12.07	43	220164	48.509	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	202244	51.168	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	177083m	56.523	ug/l	
77) Bromobenzene	12.53	156	179735	49.306	ug/l	97
78) n-propylbenzene	12.59	91	687516	47.730	ug/l	99
79) 2-Chlorotoluene	12.67	91	424830	53.328	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	532310	46.499	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48003	51.025	ug/l	91
82) 4-Chlorotoluene	12.77	91	412430	48.941	ug/l	100
83) tert-Butylbenzene	12.99	119	471863	53.304	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	525381	48.395	ug/l	99
85) sec-Butylbenzene	13.17	105	602932	47.266	ug/l	100
86) p-Isopropyltoluene	13.29	119	542464	47.516	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	282590	50.088	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	271074	49.947	ug/l	99
89) n-Butylbenzene	13.61	91	396137	46.841	ug/l	100
90) Hexachloroethane	13.88	117	89859	52.192	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	279595	49.085	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32622	57.704	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	132448	42.862	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	98733	50.561	ug/l	99
95) Naphthalene	15.13	128	367173	45.465	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	148126	46.529	ug/l	99

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

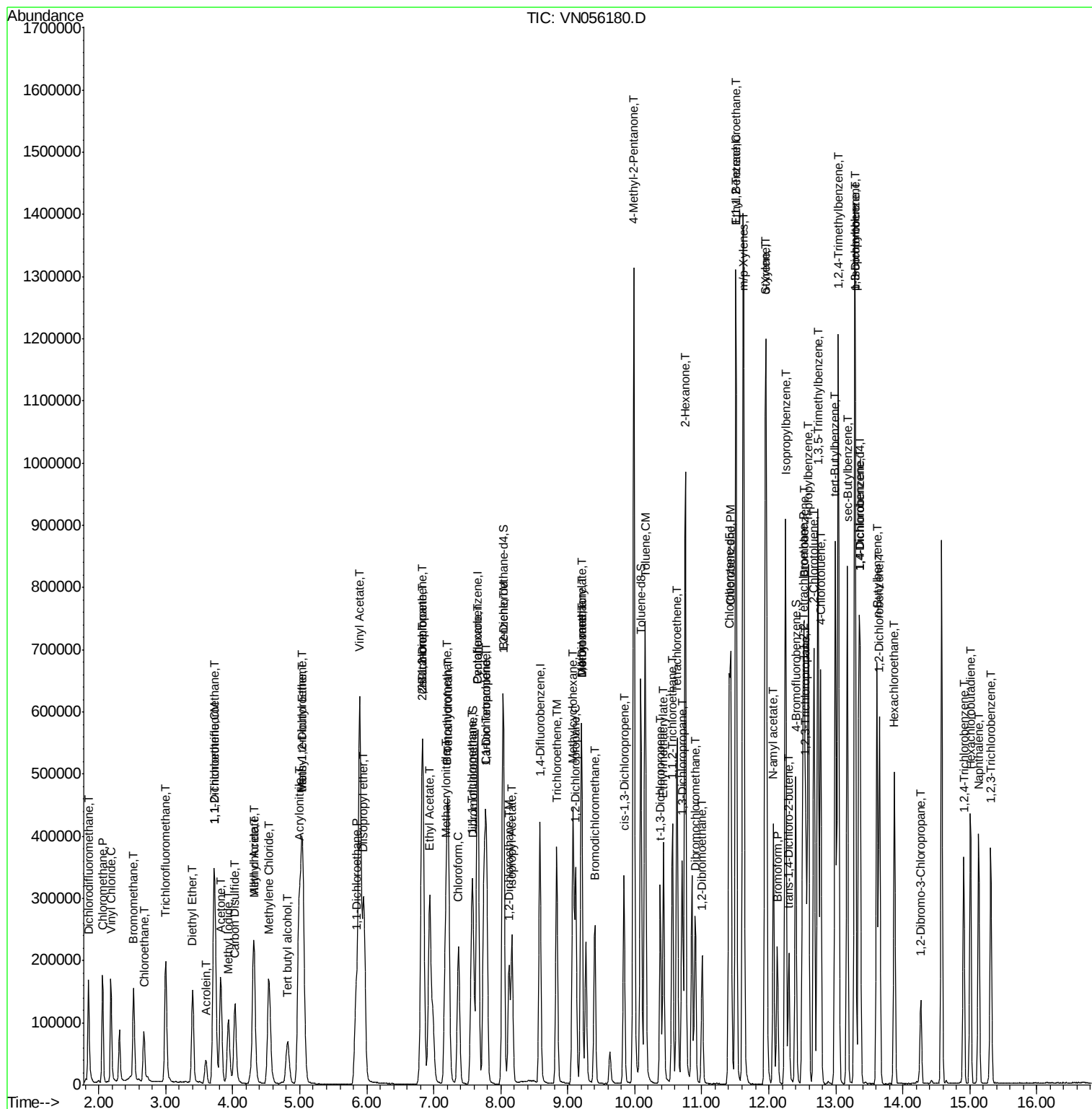
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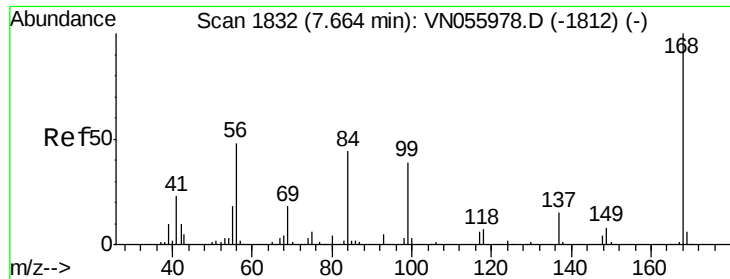
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:168 Resp: 284342

Ion Ratio Lower Upper

168 100

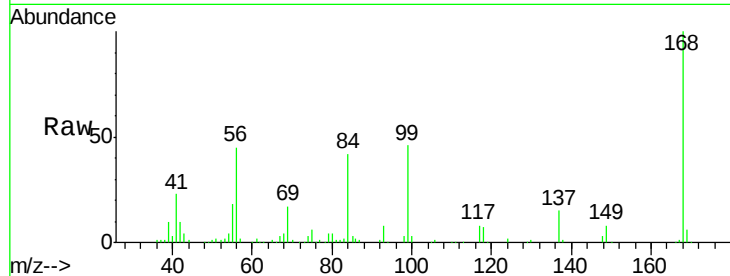
99 45.1 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

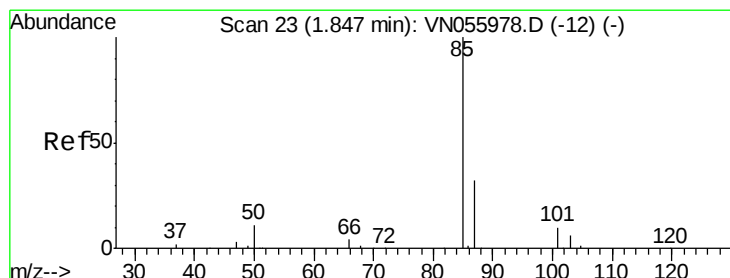
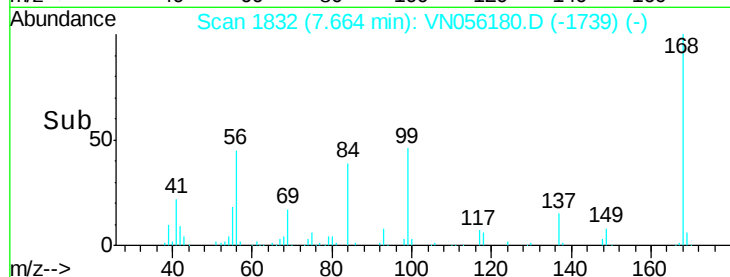
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.261 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056180.D

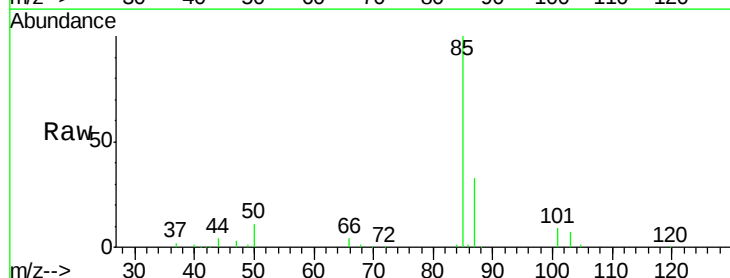
Acq: 10 Jun 2019 19:34

Tgt Ion: 85 Resp: 147571

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

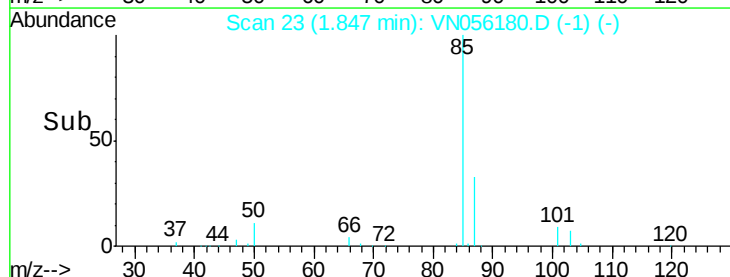
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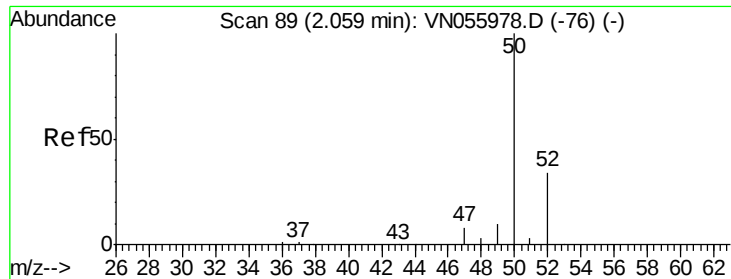
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20000

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Time-->





#3

Chloromethane

Concen: 51.794 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 50 Resp: 159645

Ion Ratio Lower Upper

50 100

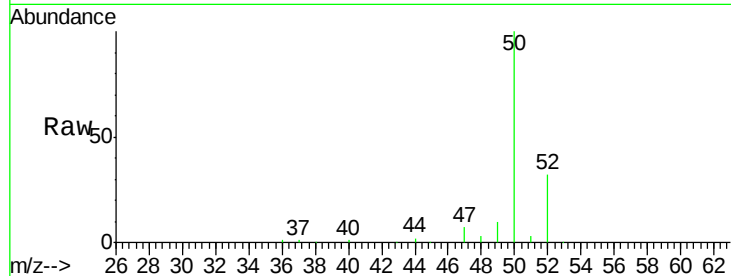
52 32.4 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

120000

100000

80000

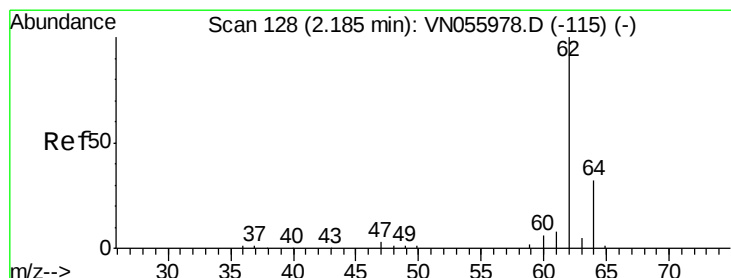
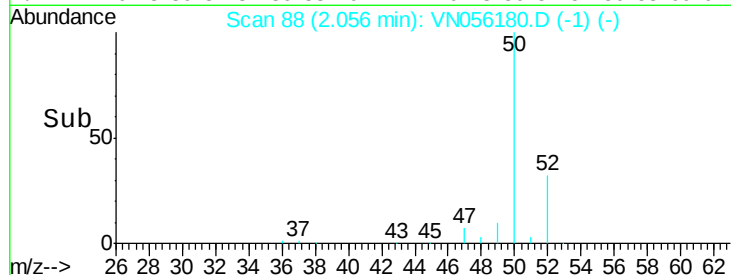
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 50.813 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056180.D

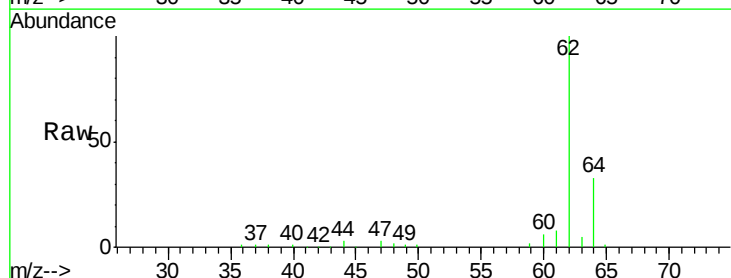
Acq: 10 Jun 2019 19:34

Tgt Ion: 62 Resp: 157103

Ion Ratio Lower Upper

62 100

64 32.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

120000

100000

80000

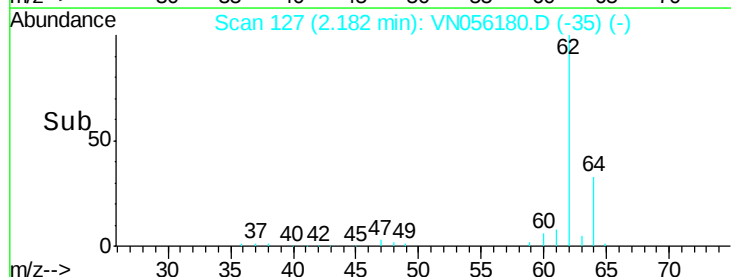
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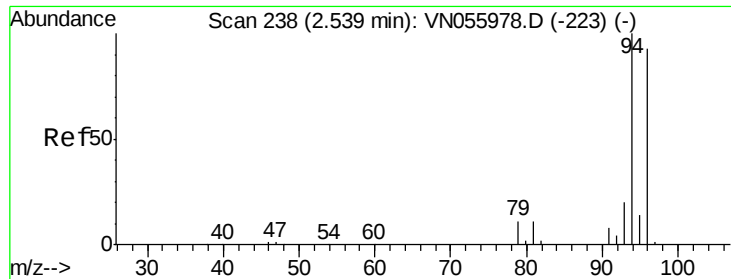
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Time-->





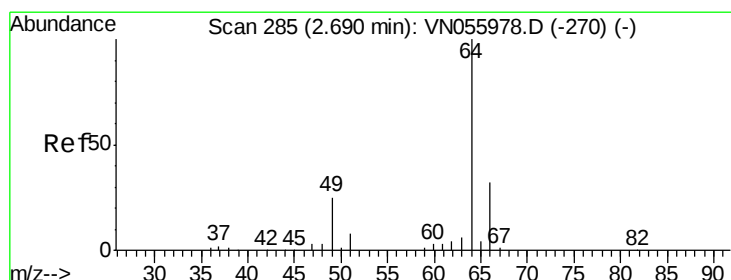
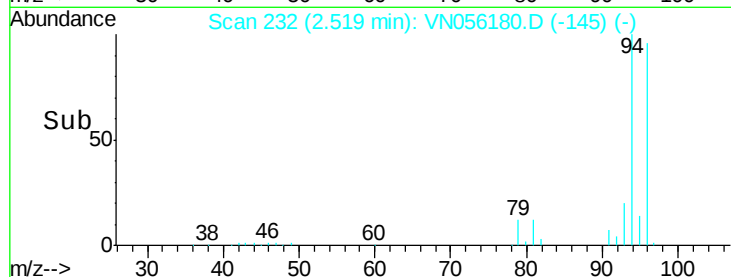
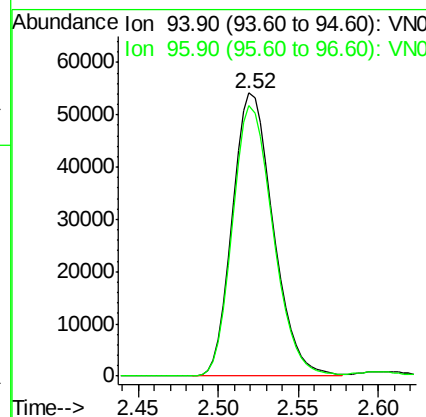
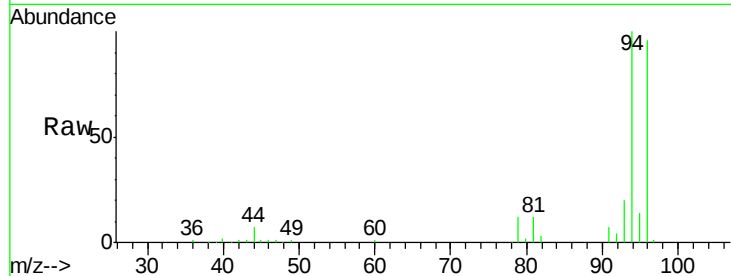
#5
Bromomethane
Concen: 48.297 ug/l
RT: 2.52 min Scan# 232
Delta R.T. -0.02 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

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Tot Ion: 94 Resp: 94328
Ion Ratio Lower Upper
94 100
96 95.7 75.5 113.3

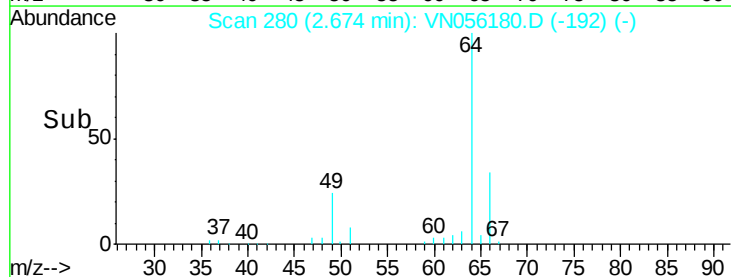
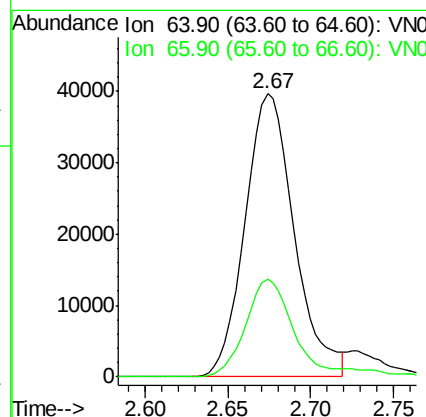
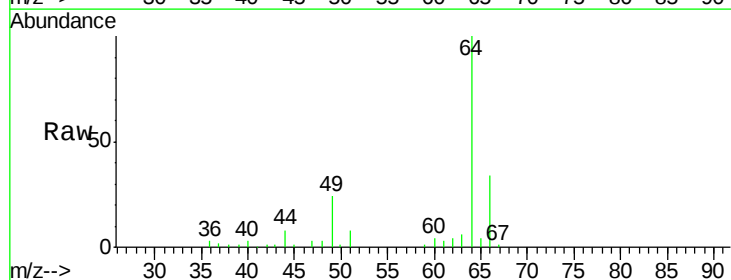
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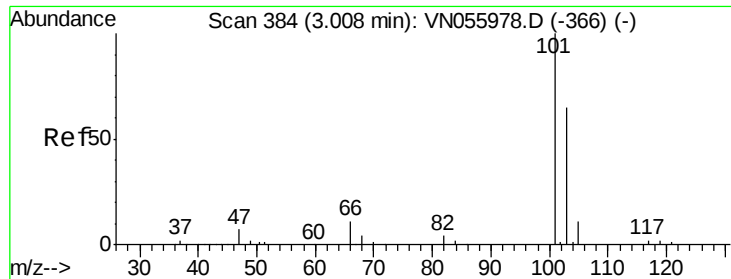
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6/11/2019 11:59:49 AM



#6
Chloroethane
Concen: 45.899 ug/l
RT: 2.67 min Scan# 280
Delta R.T. -0.02 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion: 64 Resp: 82279
Ion Ratio Lower Upper
64 100
66 34.4 25.4 38.0





#7

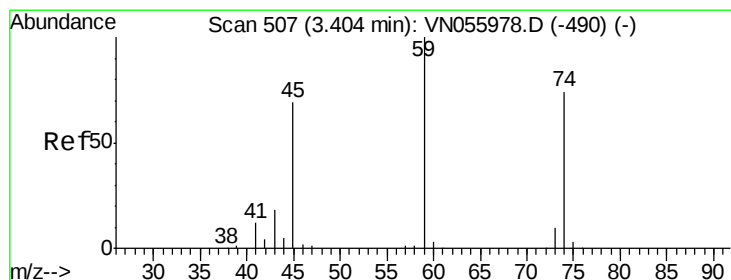
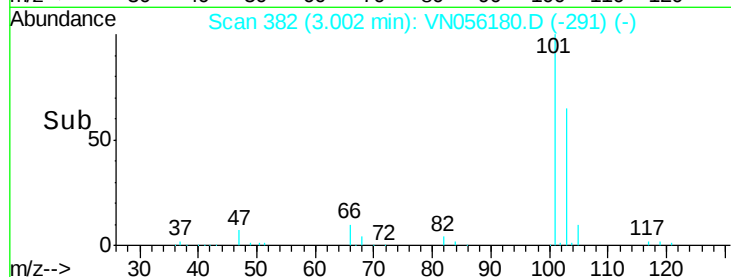
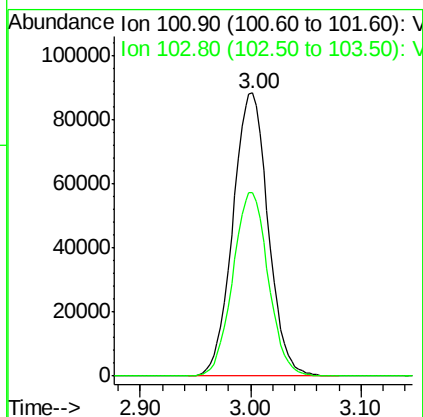
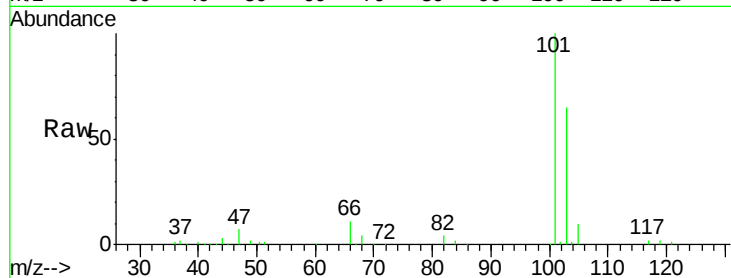
Trichlorofluoromethane
Concen: 49.650 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.2	76.8

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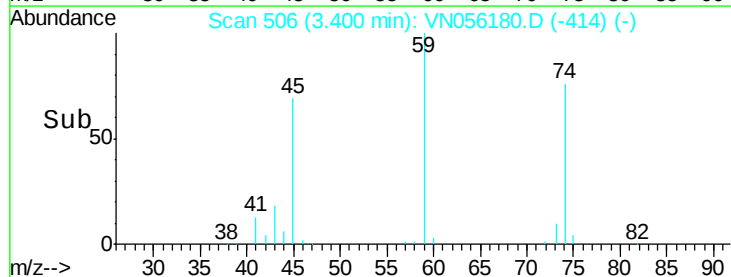
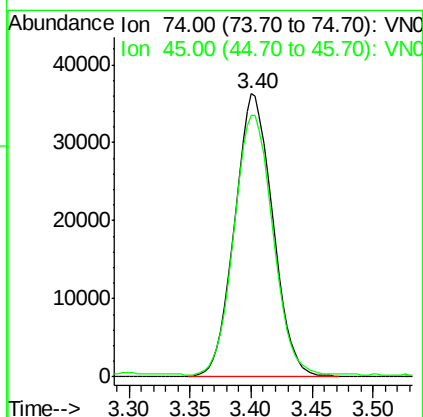
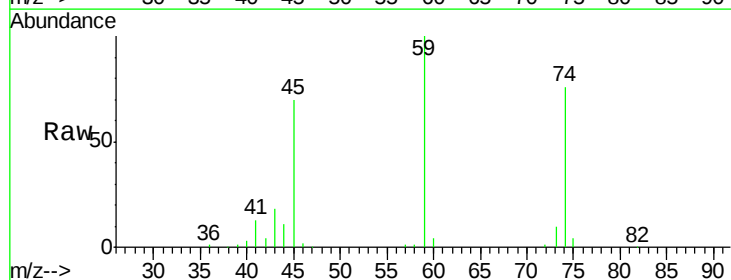
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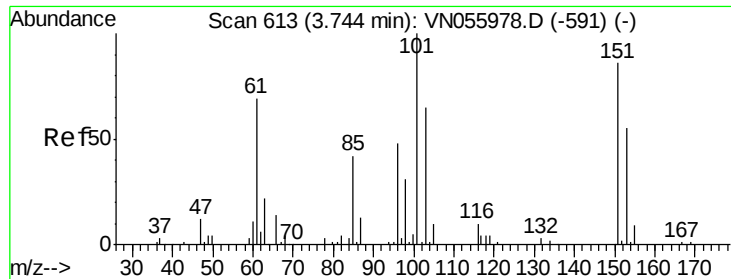


#8

Diethyl Ether
Concen: 48.357 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.017 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

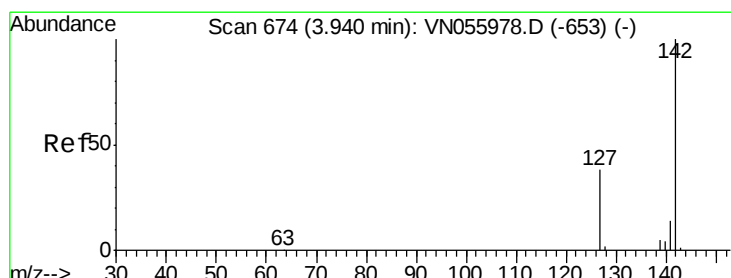
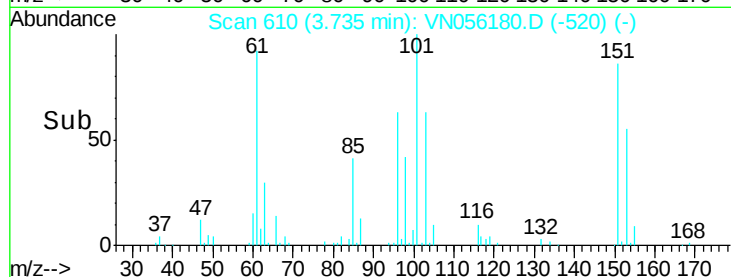
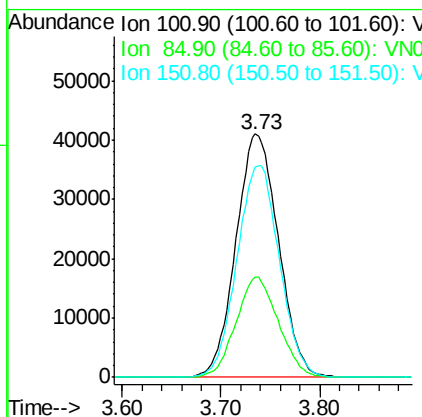
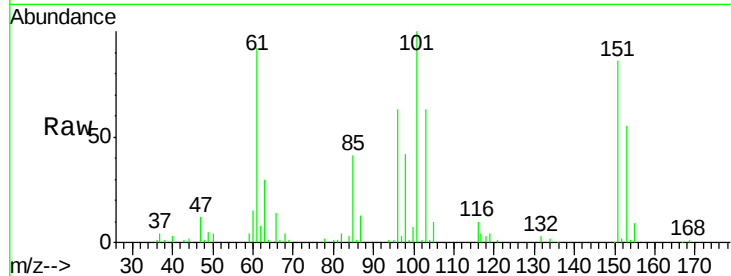
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	101	Resp:	122321
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.4	50.2
151	87.1	69.4	104.2

Manual Integrations
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6/11/2019 11:59:49 AM



#10

Methyl Iodide

Concen: 48.084 ug/l

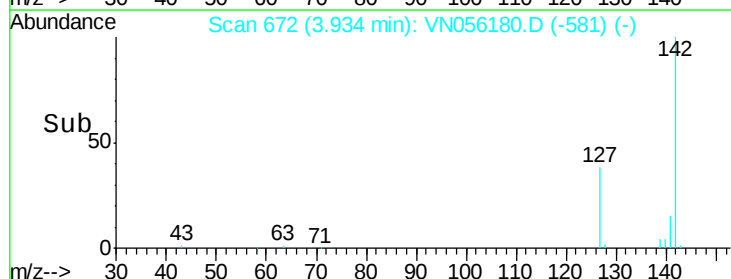
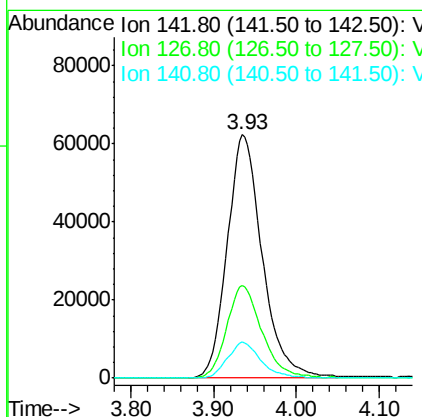
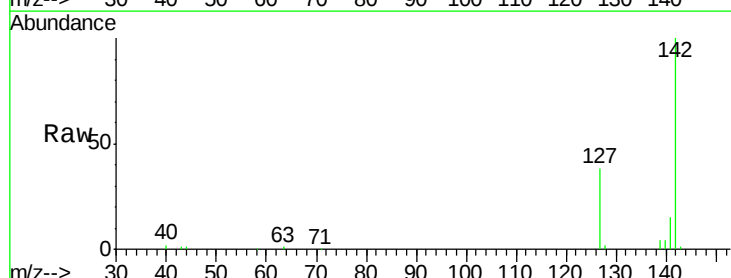
RT: 3.93 min Scan# 672

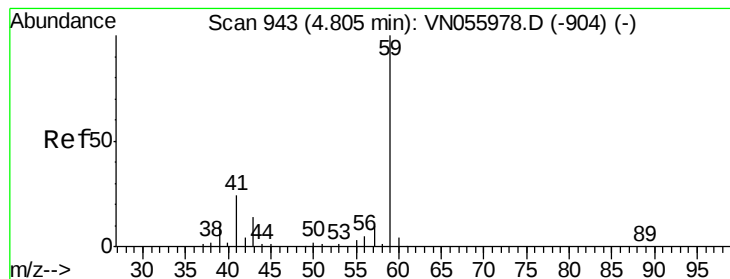
Delta R.T. -0.01 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Tgt Ion:	142	Resp:	183212
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.4
141	14.2	11.4	17.0





#11

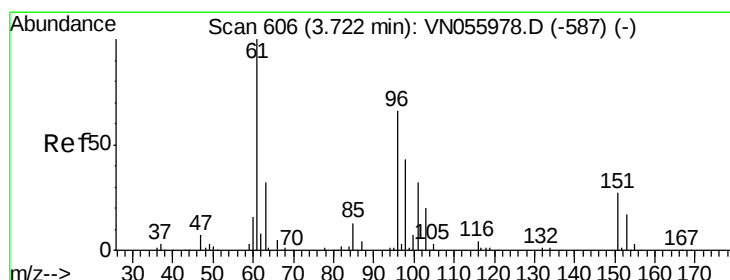
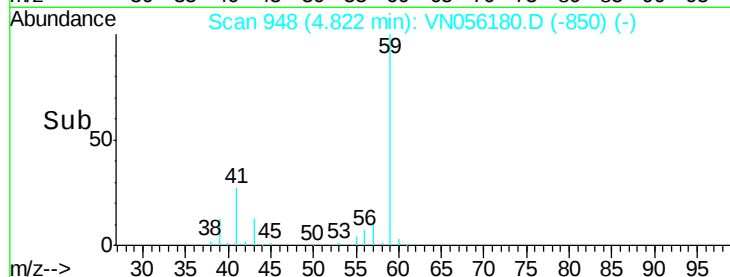
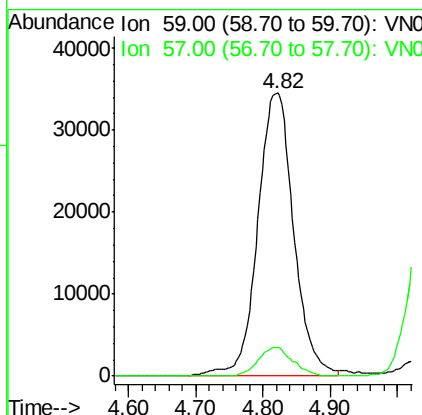
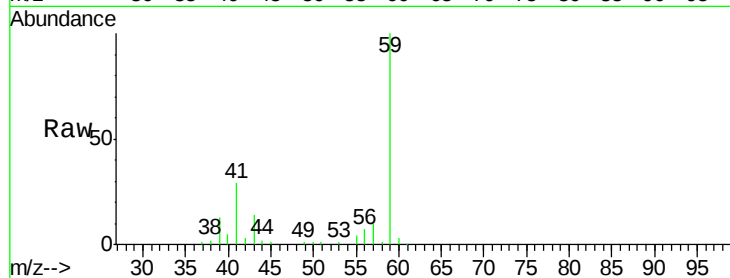
Tert butyl alcohol
Concen: 261.042 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.02 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Resp	Lower	Upper
59	100	128253		
57	9.6		7.8	11.6

Manual Integrations
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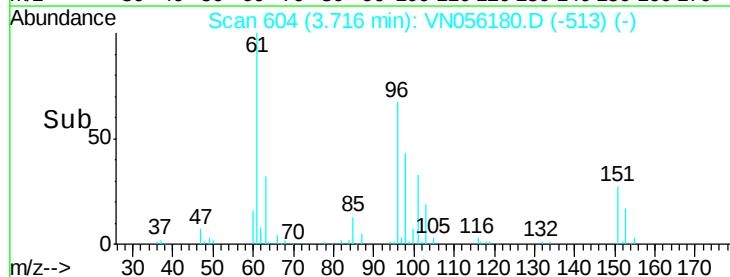
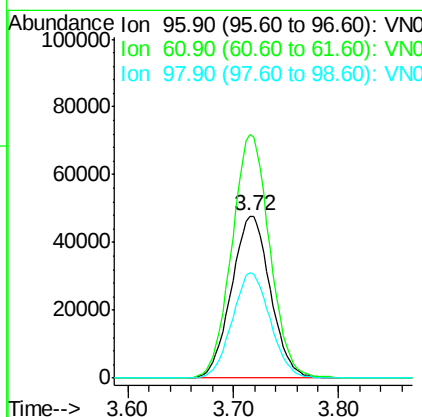
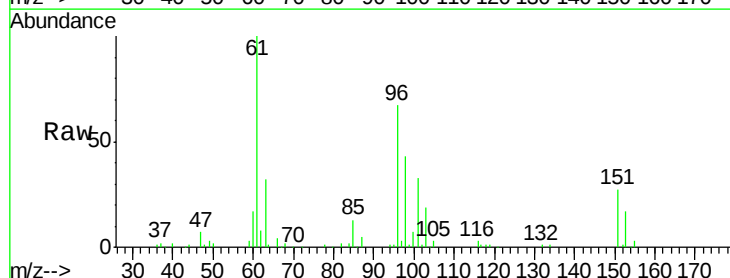
MMDadoda
6/11/2019 11:59:49 AM

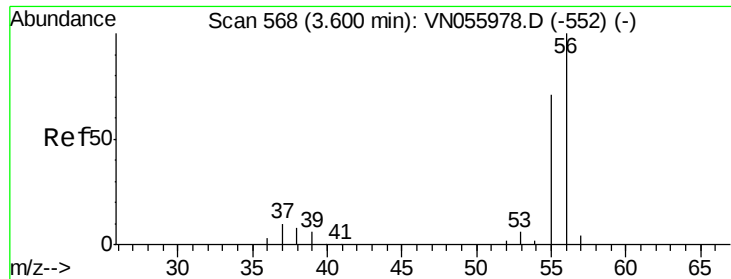


#12

1,1-Dichloroethene
Concen: 51.139 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.01 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	122069		
61	150.3		123.2	184.8
98	65.3		50.4	75.6





#13

Acrolein

Concen: 312.305 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 56 Resp: 44253

Ion Ratio Lower Upper

56 100

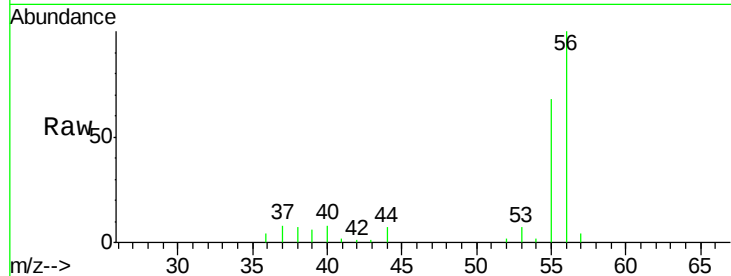
55 69.7 55.4 83.2

Manual Integrations

APPROVED

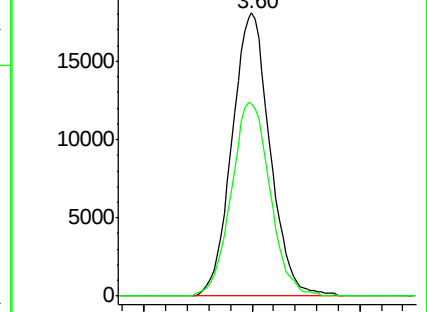
MMDadoda

6/11/2019 11:59:49 AM

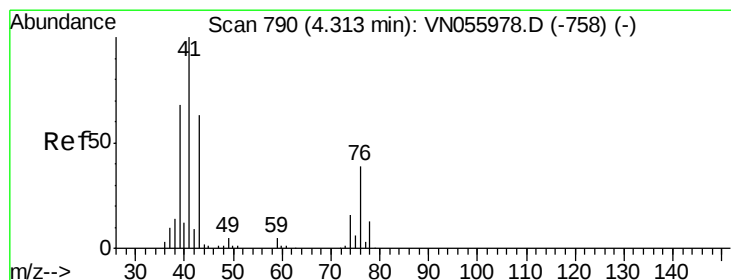
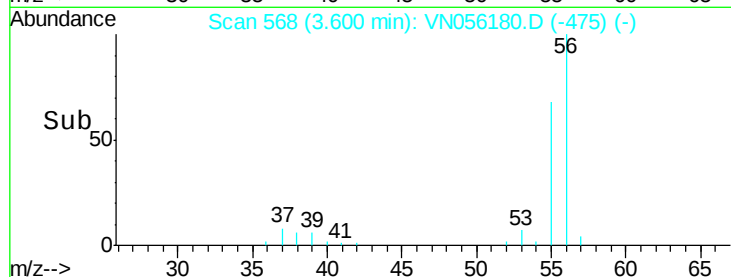


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 52.113 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

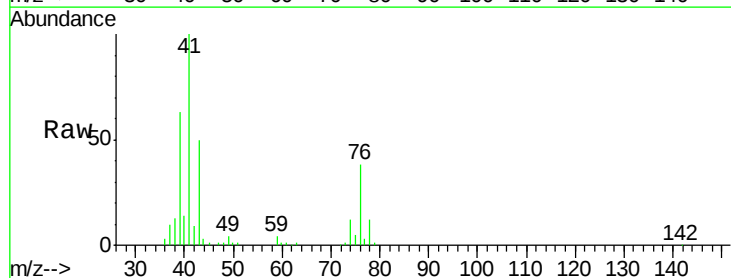
Tgt Ion: 41 Resp: 196423

Ion Ratio Lower Upper

41 100

39 60.0 50.0 75.0

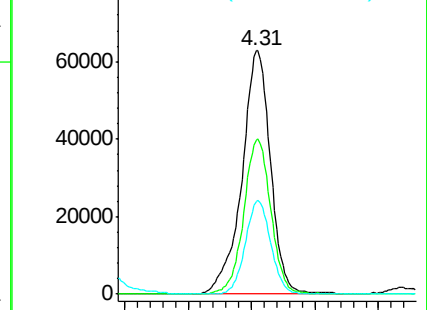
76 34.0 28.2 42.2



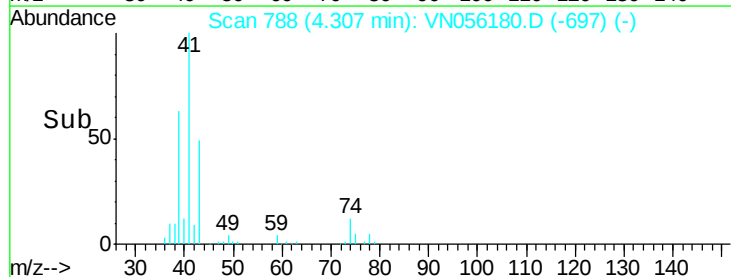
Abundance Ion 41.00 (40.70 to 41.70): VN0

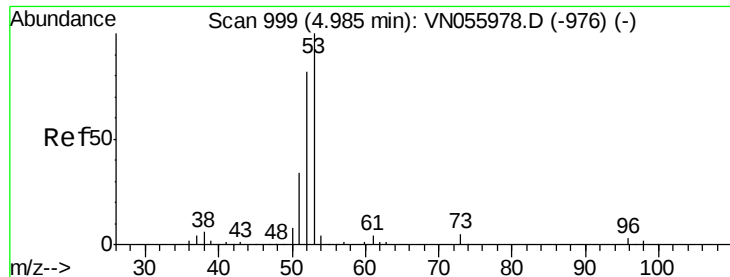
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#15

Acrylonitrile

Concen: 298.354 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

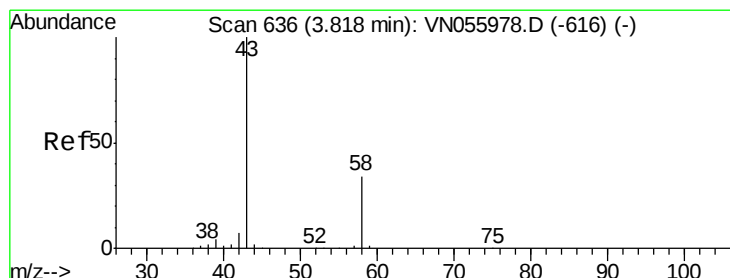
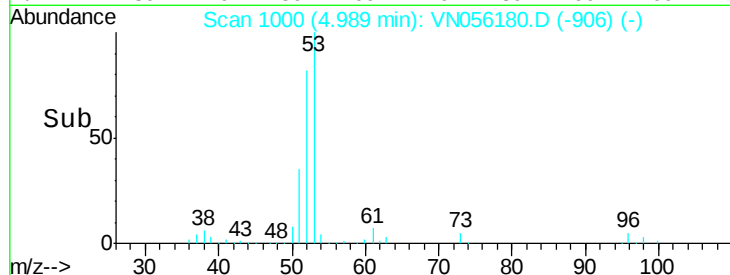
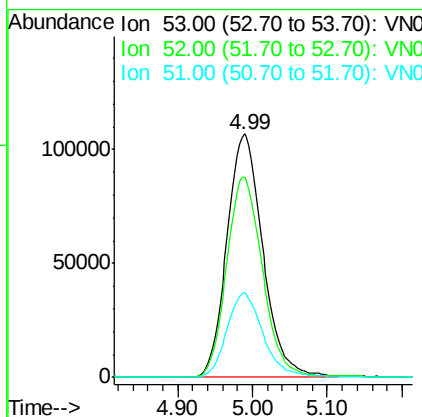
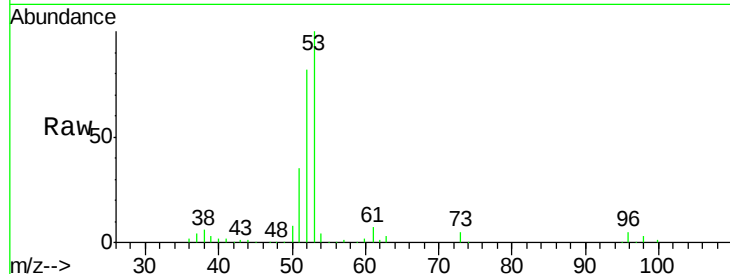
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	53	Resp:	356829
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.8	98.8
51	35.0	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 208.628 ug/l

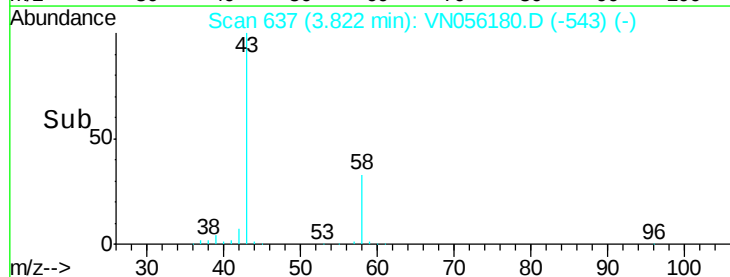
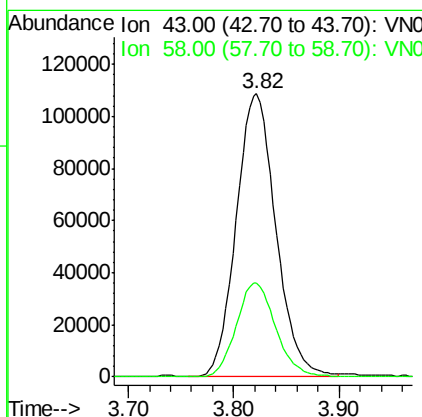
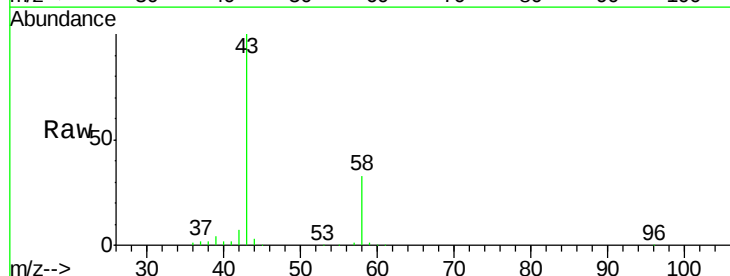
RT: 3.82 min Scan# 637

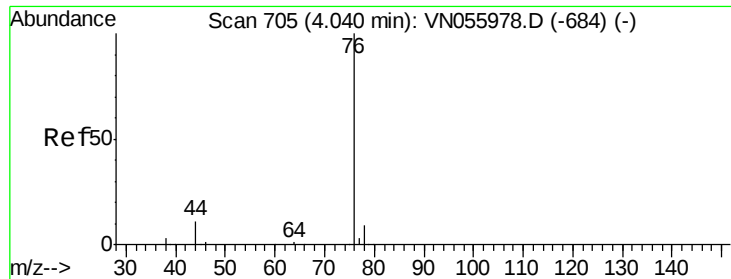
Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Tgt Ion:	43	Resp:	281707
Ion Ratio	Lower	Upper	
43	100		
58	33.2	26.6	39.8





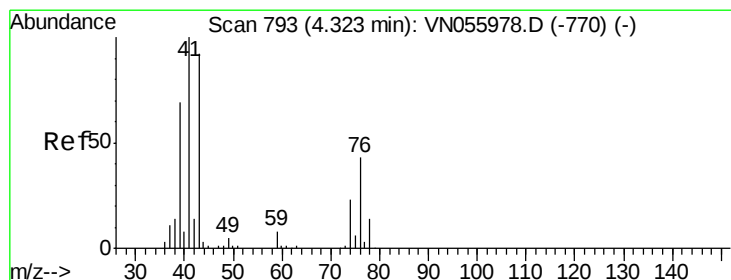
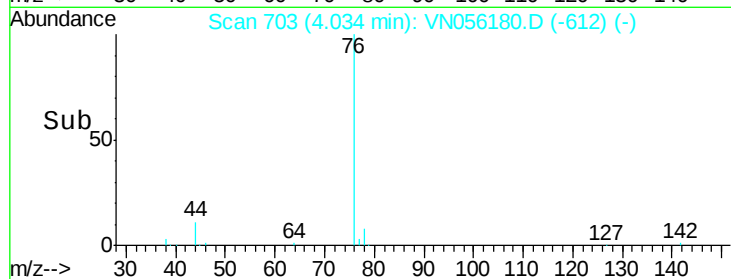
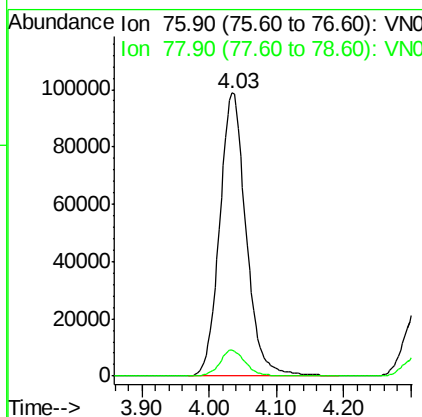
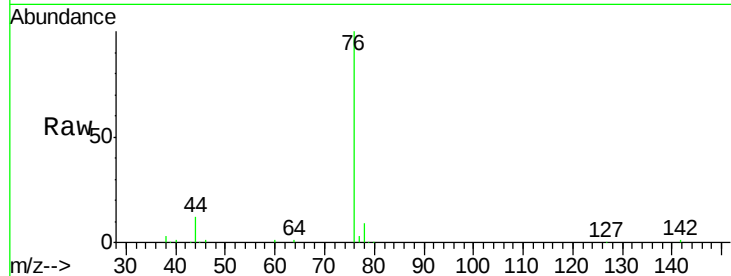
#17
Carbon Disulfide
Concen: 47.489 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

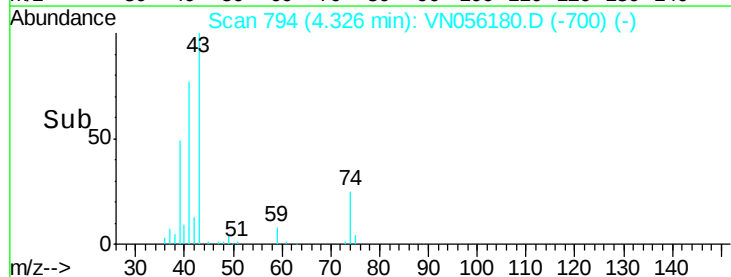
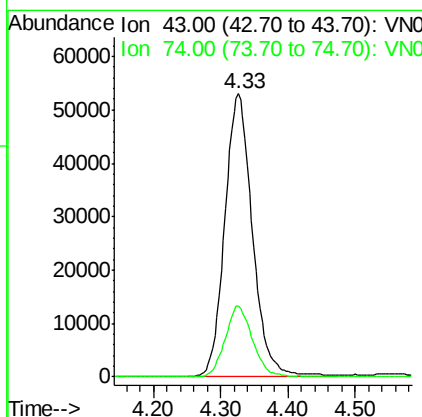
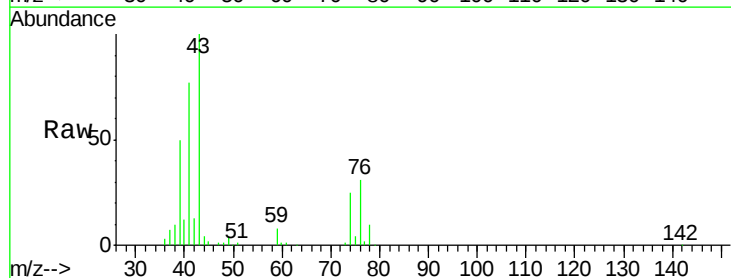
Manual Integrations
APPROVED

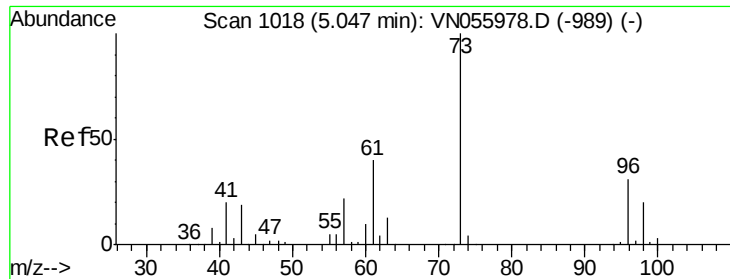
MMDadoda
6/11/2019 11:59:49 AM



#18
Methyl Acetate
Concen: 57.451 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.3	28.9





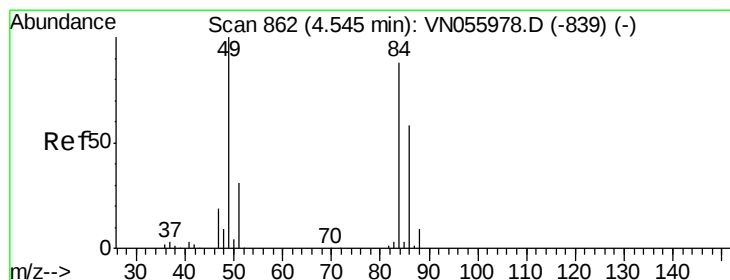
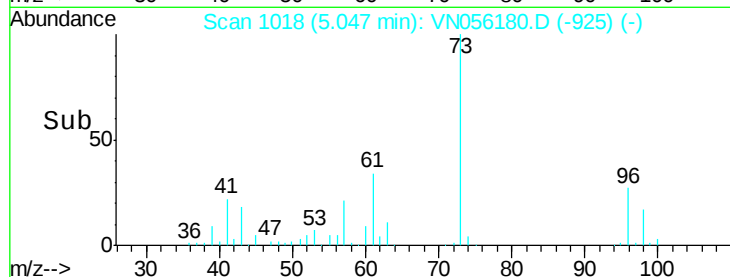
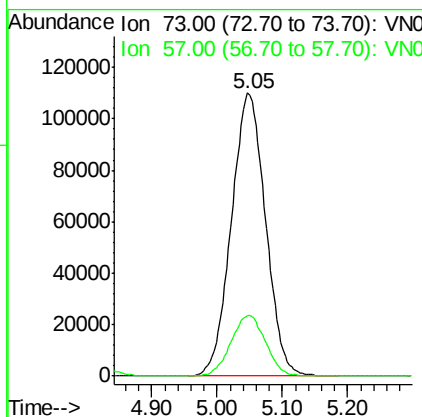
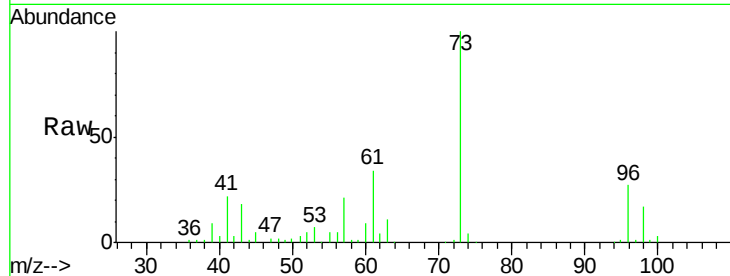
#19
Methyl tert-butyl Ether
Concen: 52.598 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 73 Resp: 400202
Ion Ratio Lower Upper
73 100
57 21.4 17.8 26.8

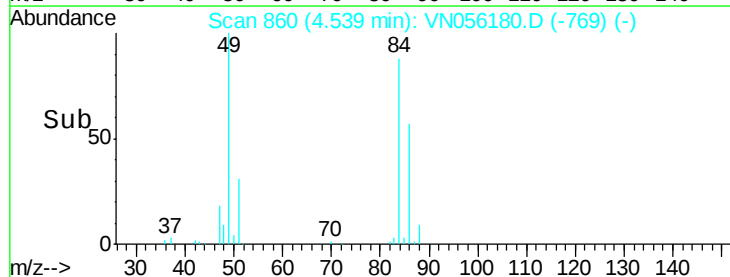
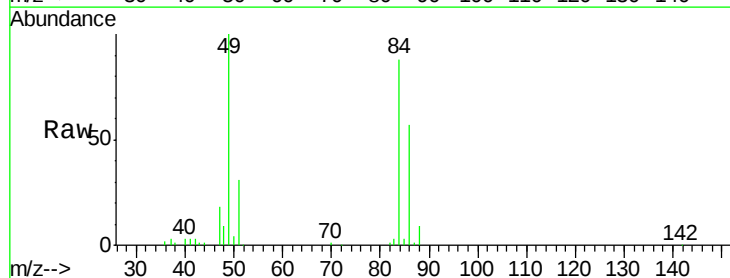
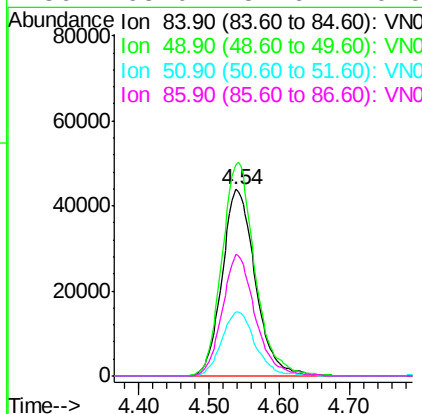
Manual Integrations
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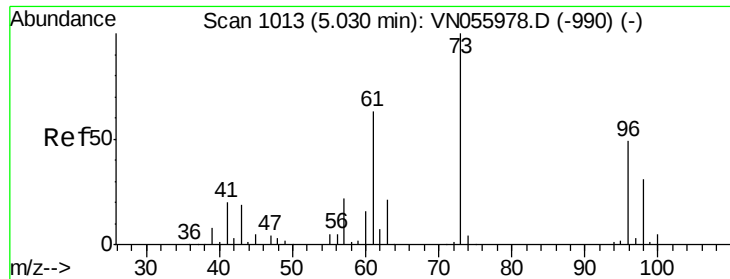
MMDadoda
6/11/2019 11:59:49 AM



#20
Methylene Chloride
Concen: 52.016 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion: 84 Resp: 144705
Ion Ratio Lower Upper
84 100
49 113.5 93.5 140.3
51 34.7 28.6 43.0
86 65.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 50.965 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 96 Resp: 130348

Ion Ratio Lower Upper

96 100

61 131.9 107.8 161.8

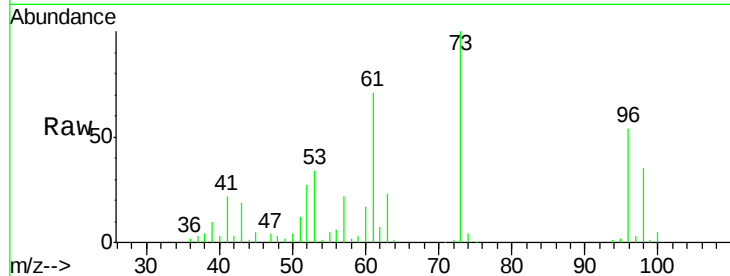
98 64.6 49.8 74.8

Manual Integrations

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MMDadoda

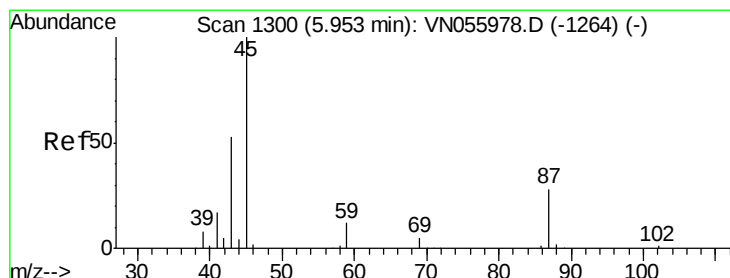
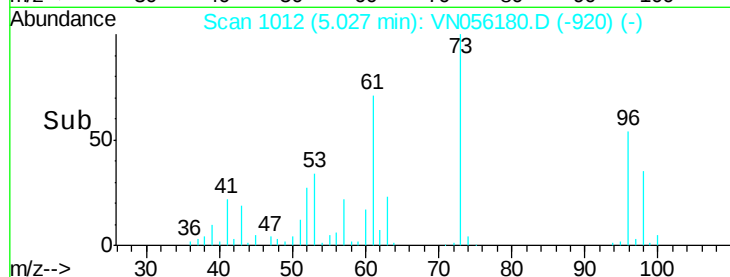
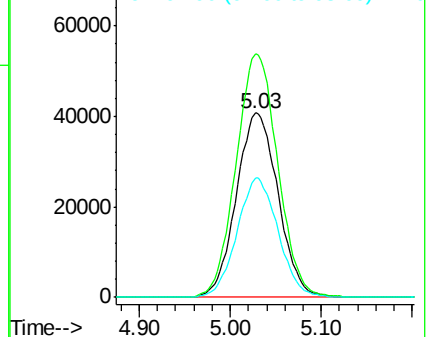
6/11/2019 11:59:49 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.732 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Tgt Ion: 45 Resp: 410862

Ion Ratio Lower Upper

45 100

43 56.8 45.0 67.6

87 29.4 22.2 33.4

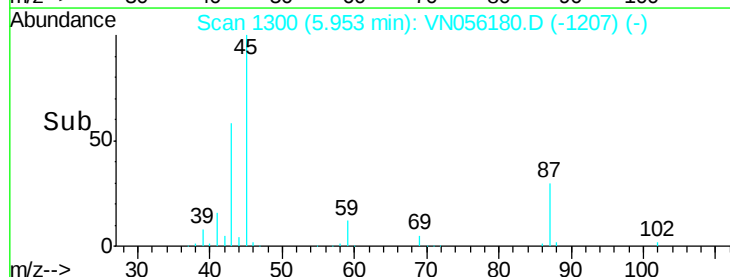
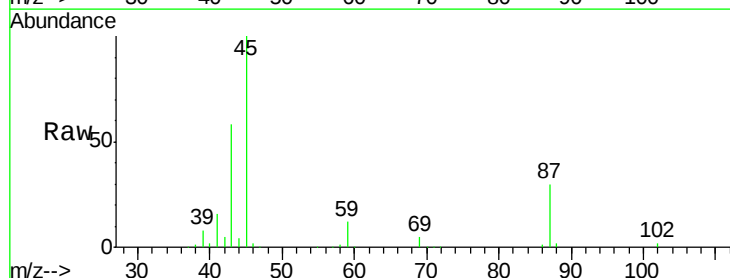
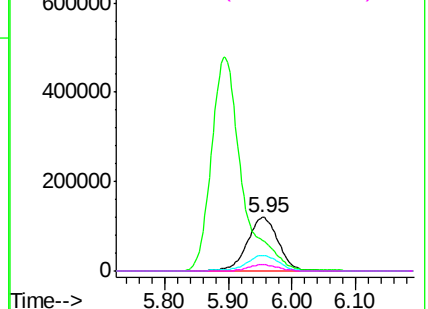
59 12.4 9.1 13.7

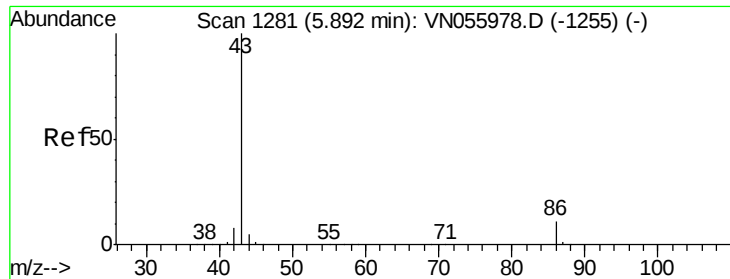
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





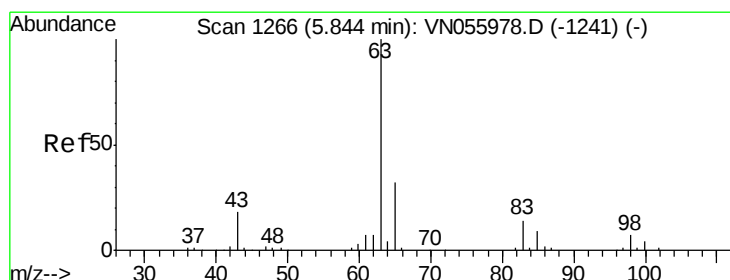
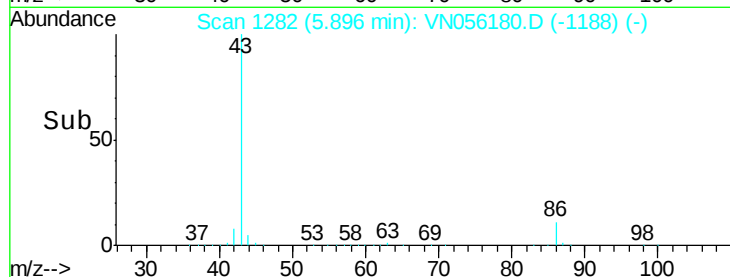
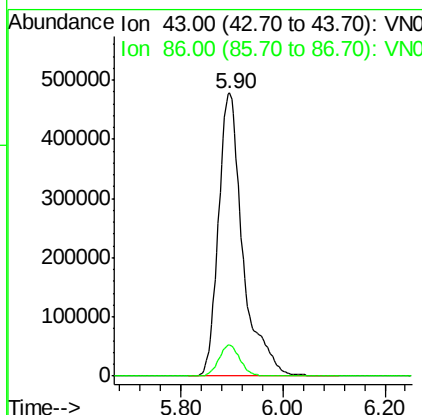
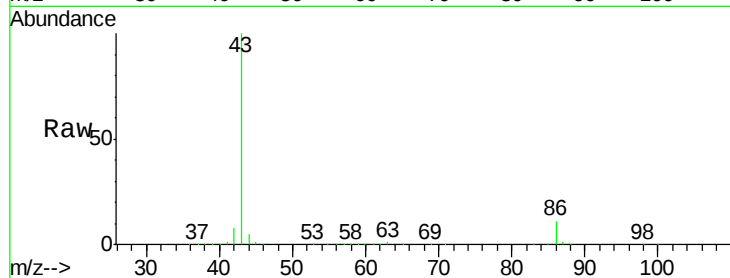
#23
 Vinyl Acetate
 Concen: 259.110 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 43 Resp: 1589857
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0

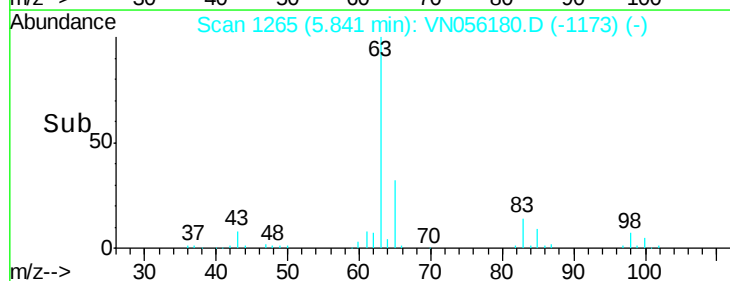
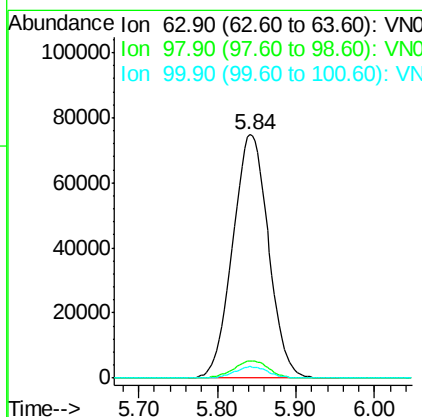
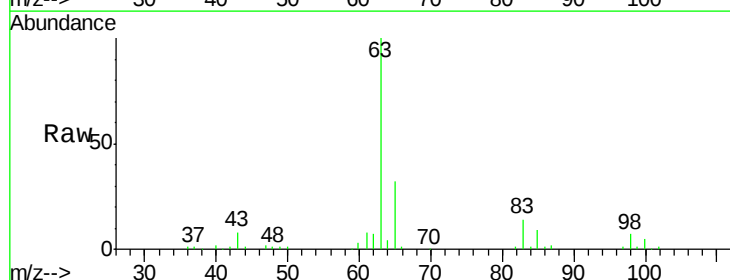
Manual Integrations
 APPROVED

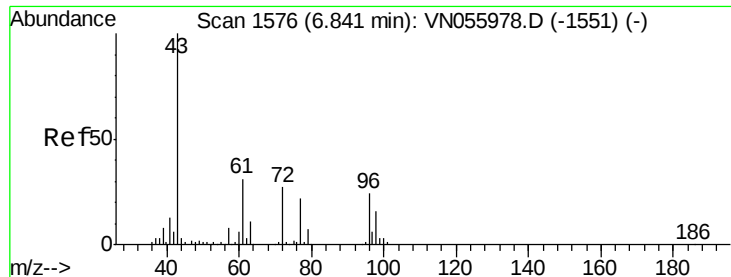
MMDadoda
 6/11/2019 11:59:49 AM



#24
 1,1-Dichloroethane
 Concen: 52.884 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Tgt Ion: 63 Resp: 237685
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.1
 100 4.7 2.2 6.6





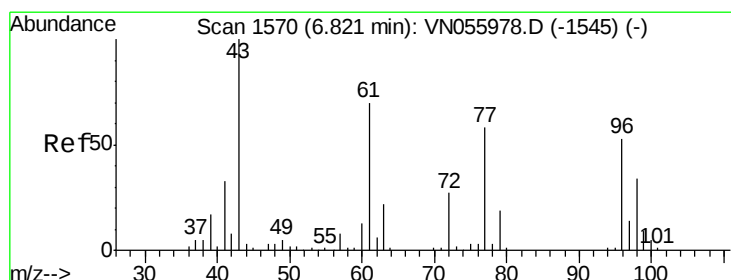
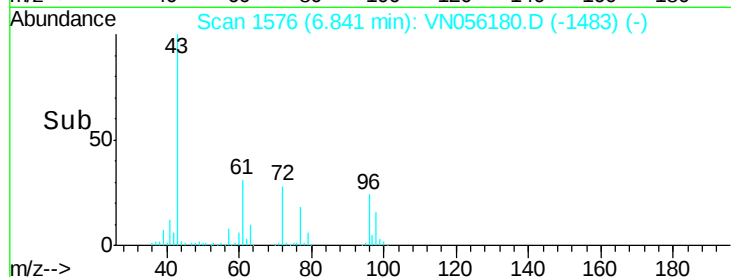
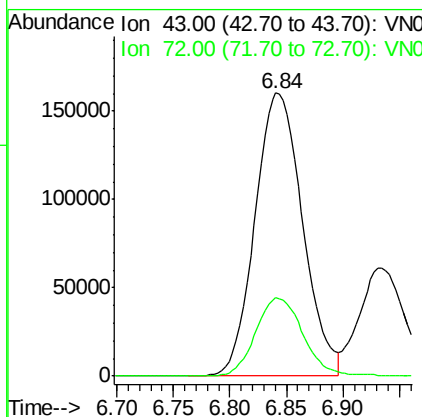
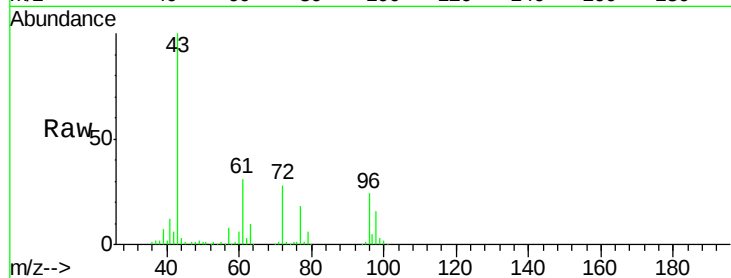
#25
2-Butanone
Concen: 273.382 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 43 Resp: 466401
Ion Ratio Lower Upper
43 100
72 27.6 21.9 32.9

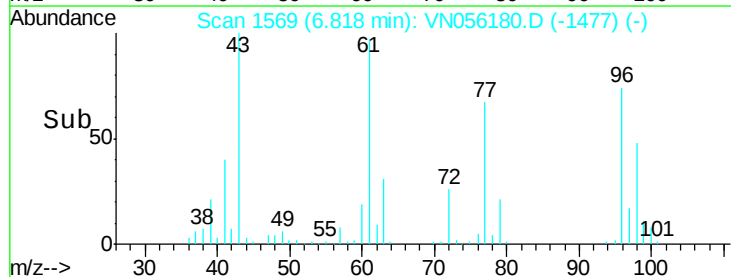
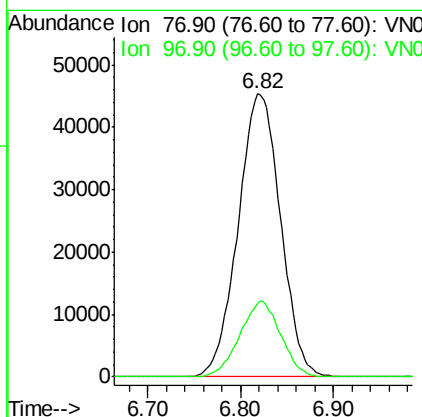
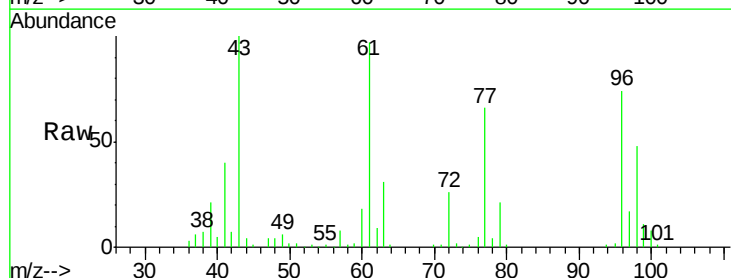
Manual Integrations
APPROVED

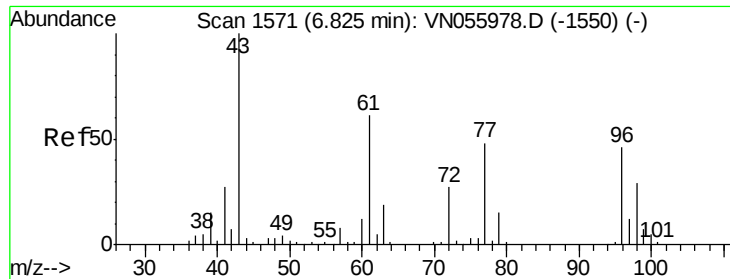
MMDadoda
6/11/2019 11:59:49 AM



#26
2,2-Dichloropropane
Concen: 41.072 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion: 77 Resp: 144043
Ion Ratio Lower Upper
77 100
97 25.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.107 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

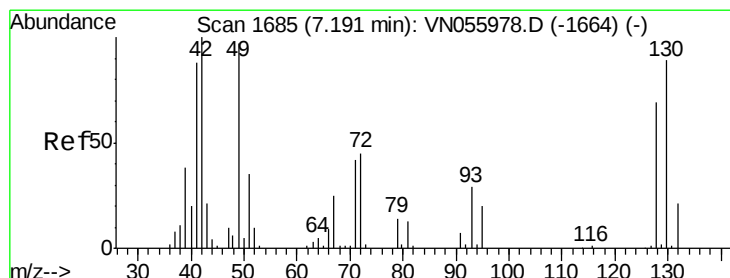
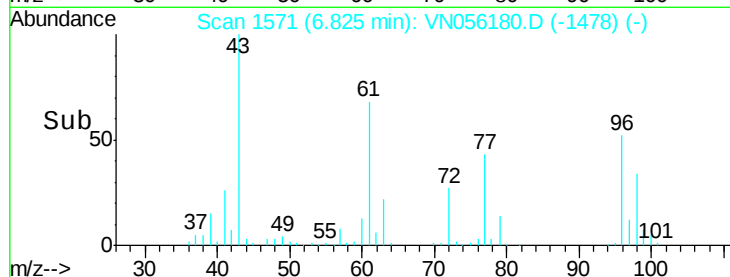
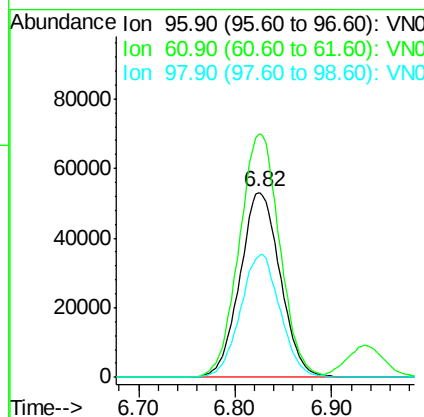
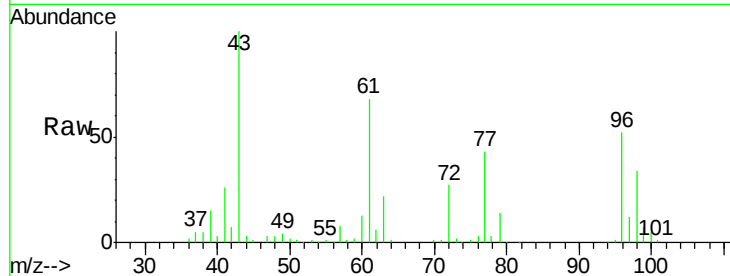
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	96	Resp:	153645
Ion	Ratio	Lower	Upper
96	100		
61	132.7	0.0	275.8
98	65.5	0.0	128.4

Manual Integrations
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6/11/2019 11:59:49 AM



#28

Bromochloromethane

Concen: 55.411 ug/l

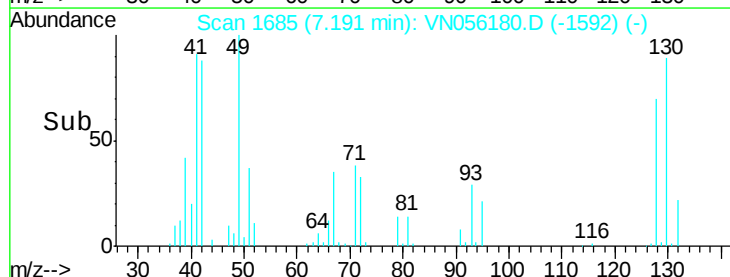
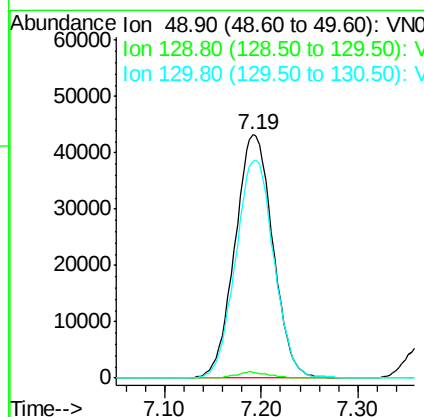
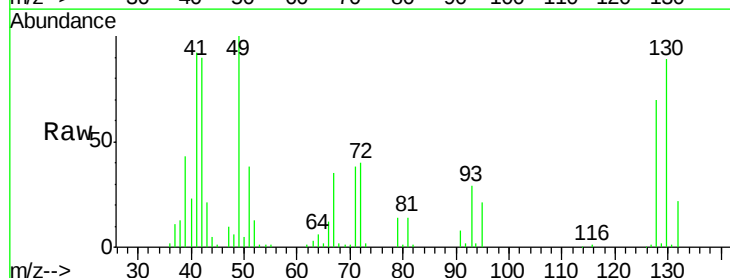
RT: 7.19 min Scan# 1685

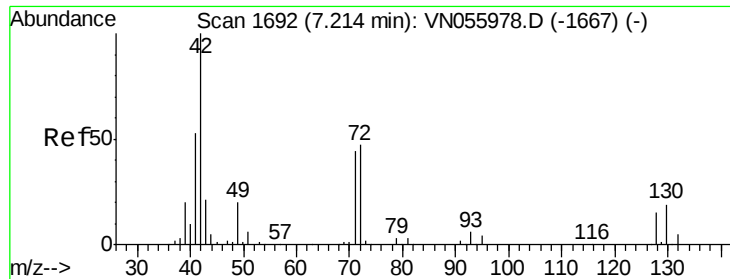
Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Tgt Ion:	49	Resp:	117773
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	90.2	71.2	106.8





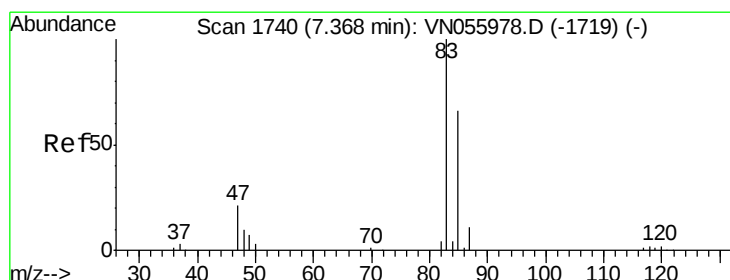
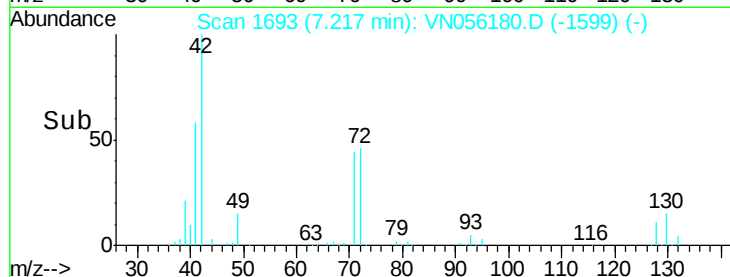
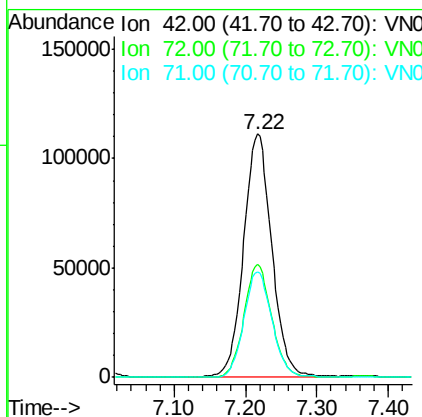
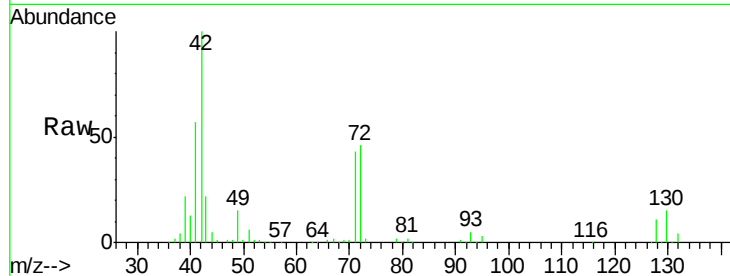
#29
Tetrahydrofuran
Concen: 291.425 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	43.0	34.0	51.0

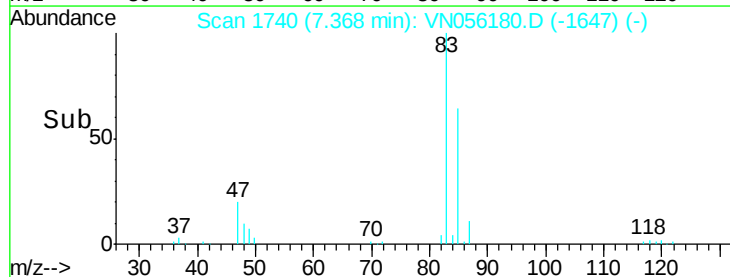
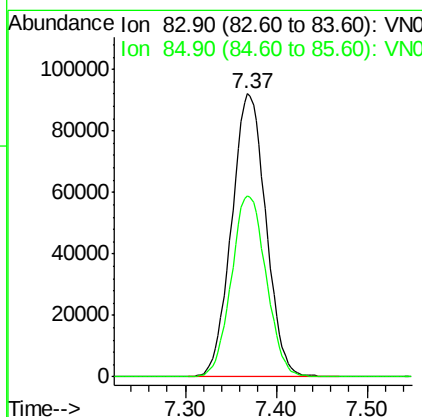
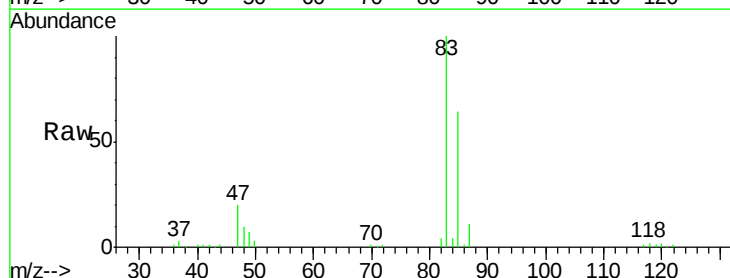
Manual Integrations
APPROVED

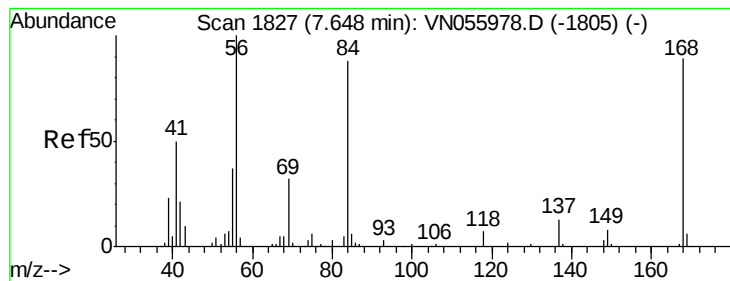
MMDadoda
6/11/2019 11:59:49 AM



#30
Chloroform
Concen: 53.409 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.8	77.8





#31

Cyclohexane

Concen: 46.358 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 56 Resp: 207680

Ion Ratio Lower Upper

56 100

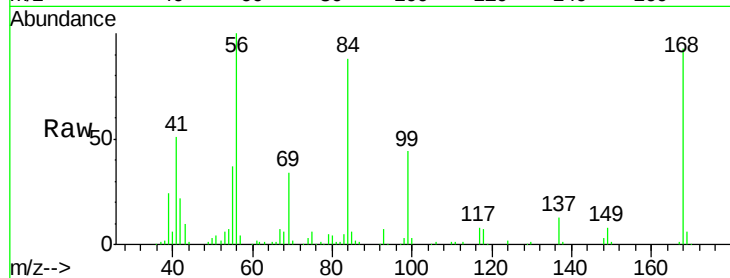
69 33.9 25.6 38.4

84 87.1 67.4 101.0

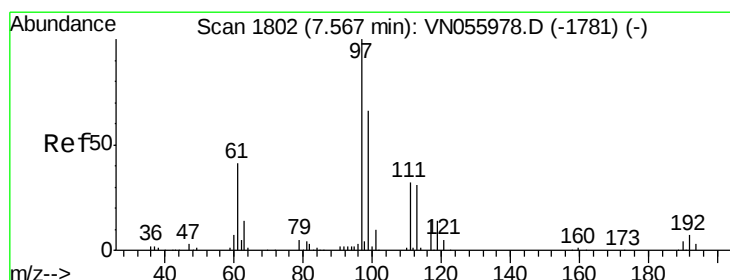
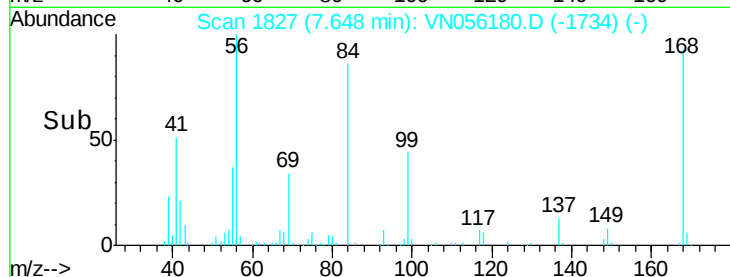
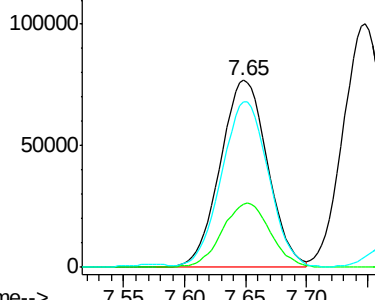
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 53.323 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

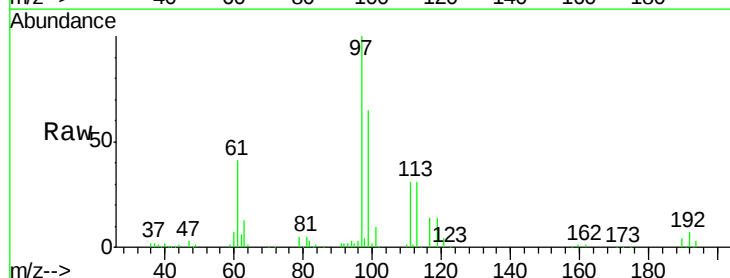
Tgt Ion: 97 Resp: 201322

Ion Ratio Lower Upper

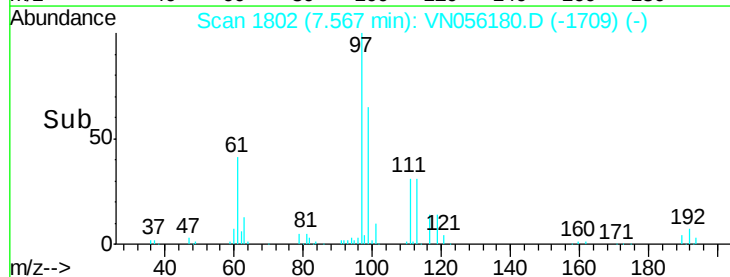
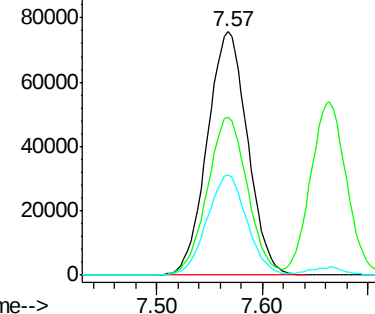
97 100

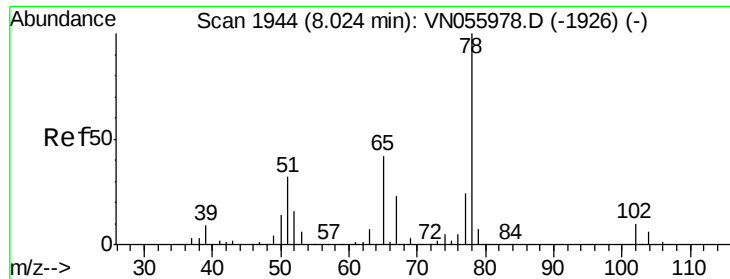
99 64.5 52.0 78.0

61 40.5 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





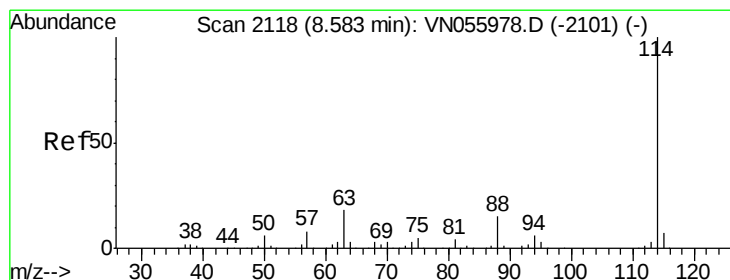
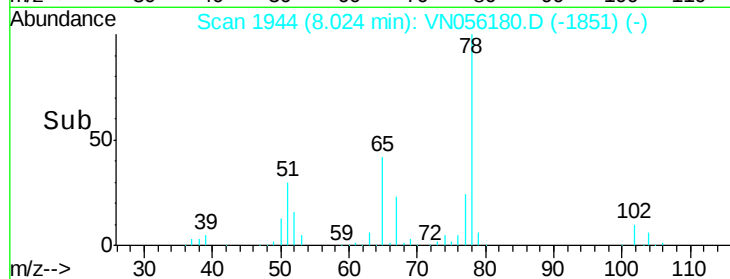
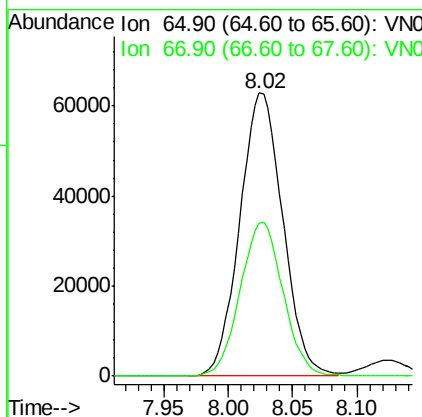
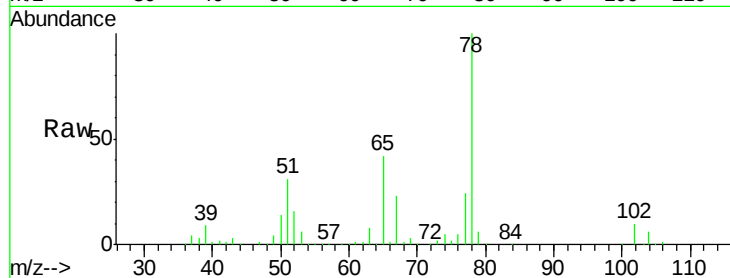
#33
 1,2-Dichloroethane-d4
 Concen: 51.814 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Resp	Lower	Upper
65	100	146284		
67	54.3	0.0	109.2	

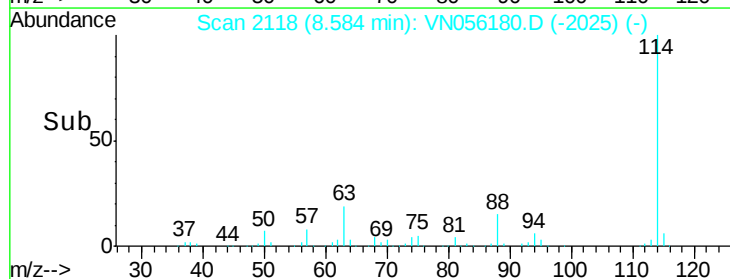
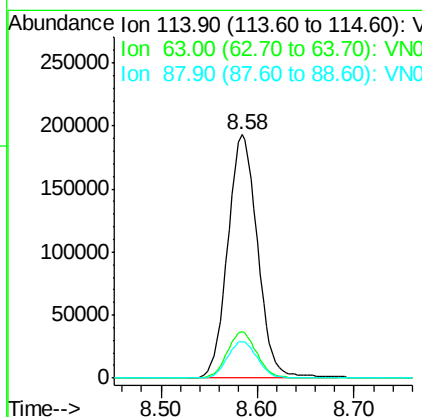
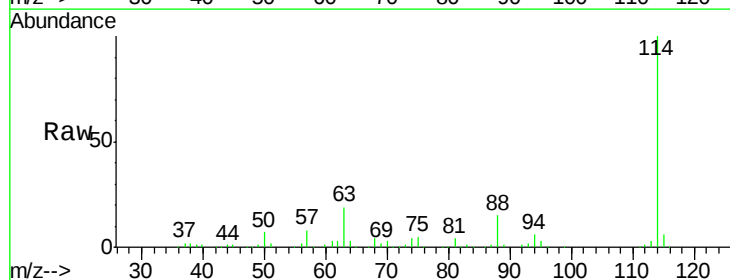
Manual Integrations
 APPROVED

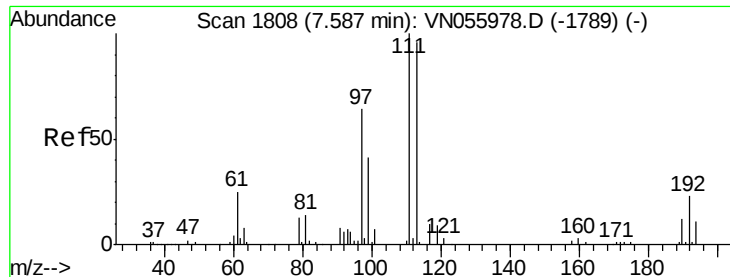
MMDadoda
 6/11/2019 11:59:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	413860		
63	18.9	0.0	39.2	
88	15.1	0.0	31.0	





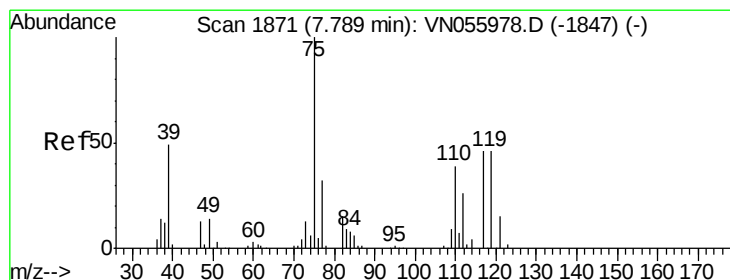
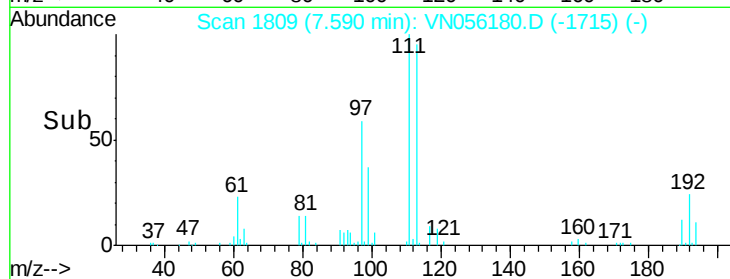
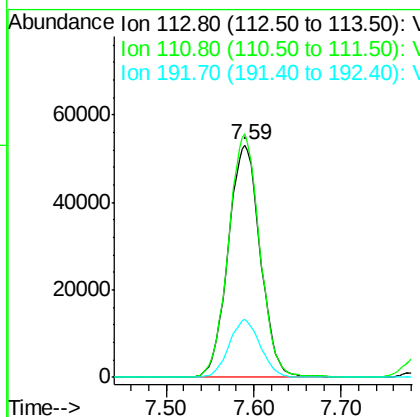
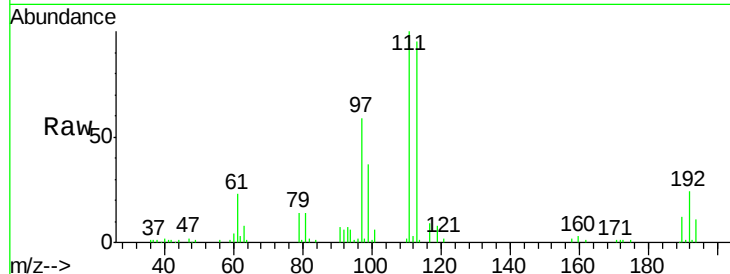
#35
 Dibromofluoromethane
 Concen: 53.172 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	81.9	122.9	
192	24.3	19.5	29.3	

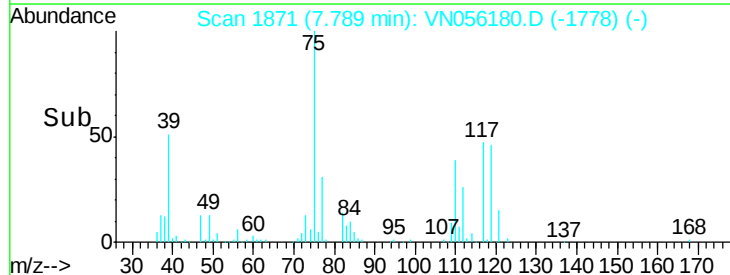
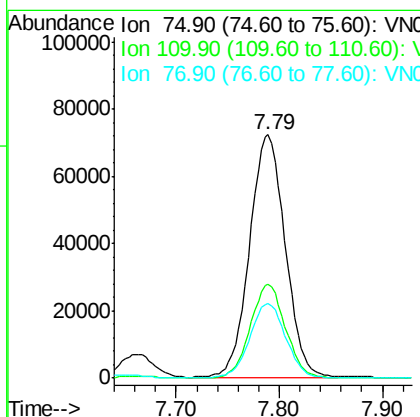
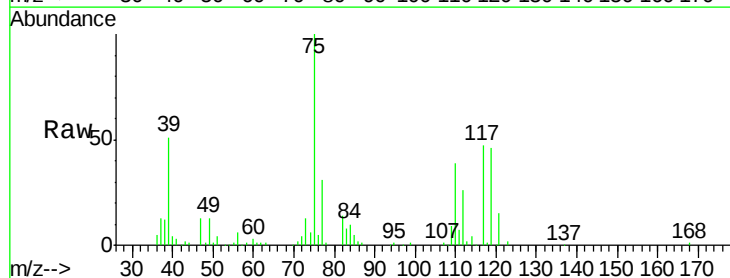
Manual Integrations
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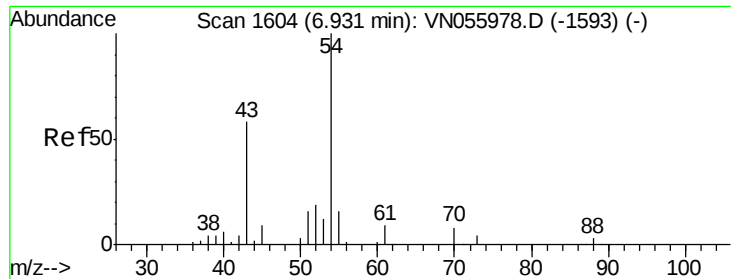
MMDadoda
 6/11/2019 11:59:49 AM



#36
 1,1-Dichloropropene
 Concen: 48.566 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.2	19.0	57.0	
77	31.3	25.1	37.7	





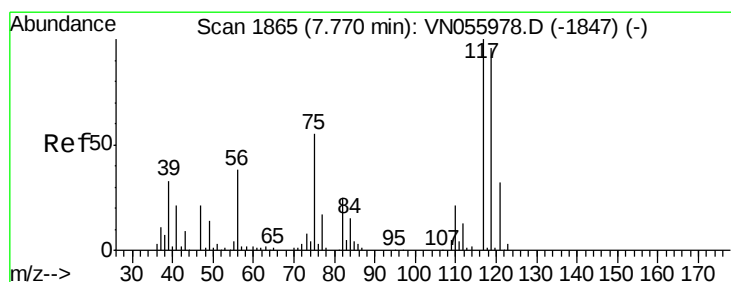
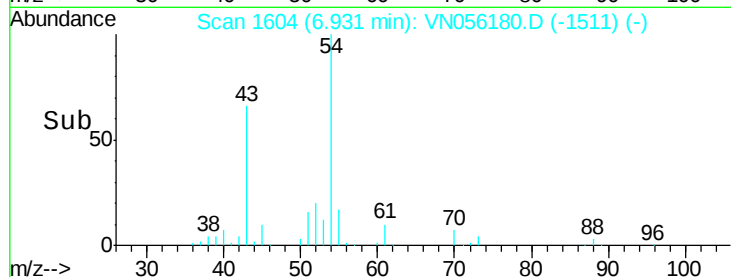
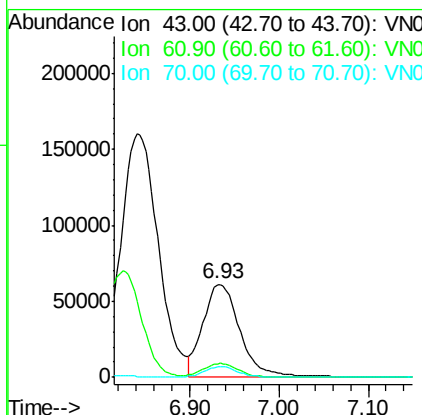
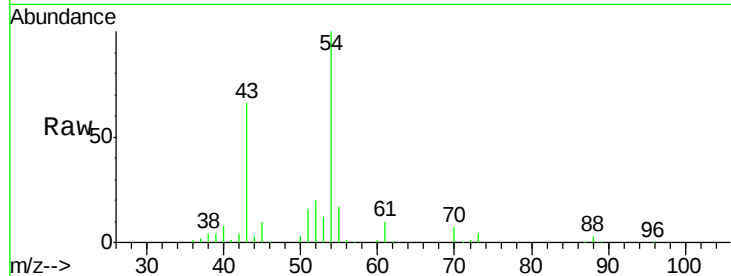
#37
Ethyl Acetate
Concen: 54.377 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.2	18.2
70	11.1	8.9	13.3

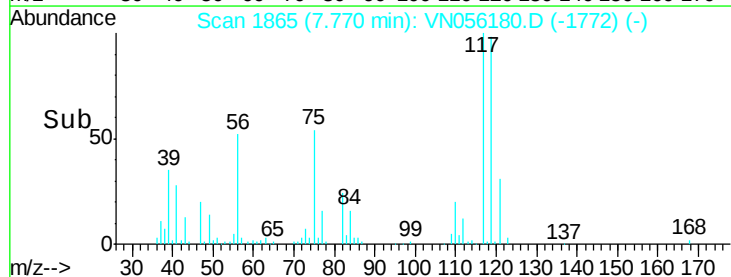
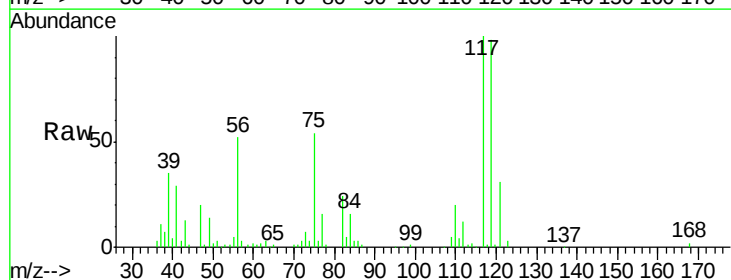
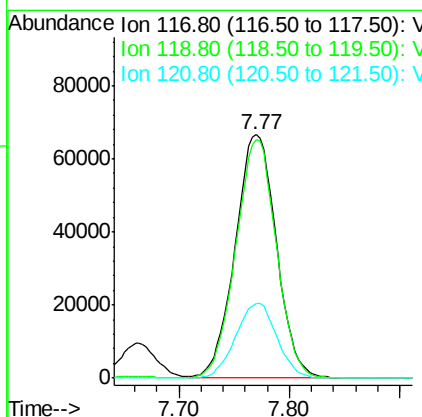
Manual Integrations
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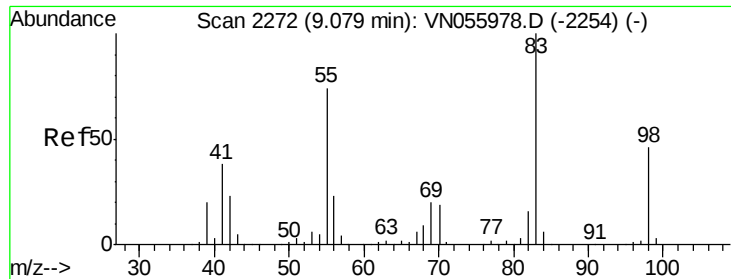
MMDadoda
6/11/2019 11:59:49 AM



#38
Carbon Tetrachloride
Concen: 52.651 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	79.0	118.6
121	30.5	24.7	37.1





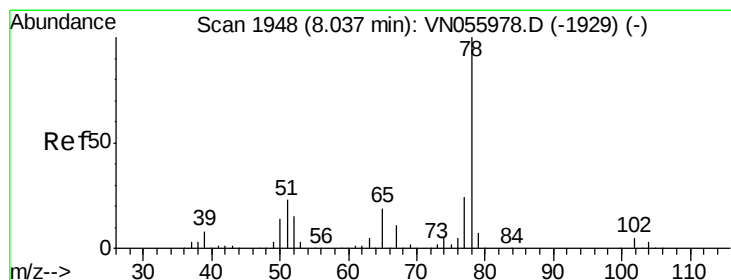
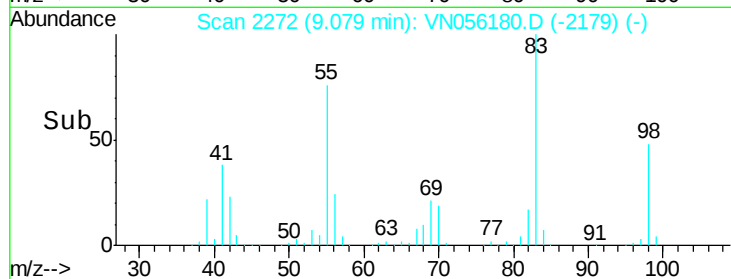
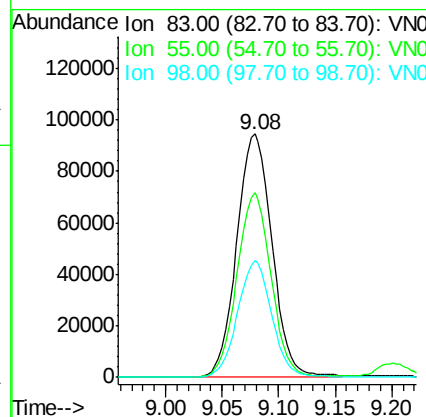
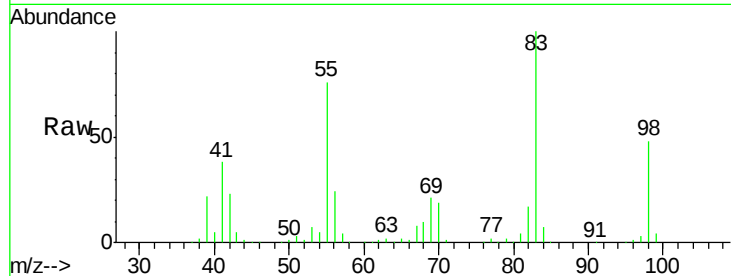
#39
Methvlcvclohexane
Concen: 46.501 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.6	59.3	88.9	
98	47.9	36.6	54.8	

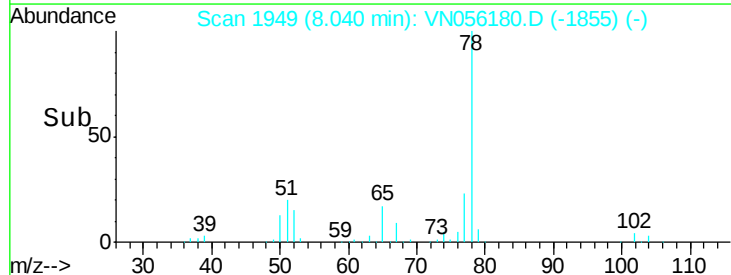
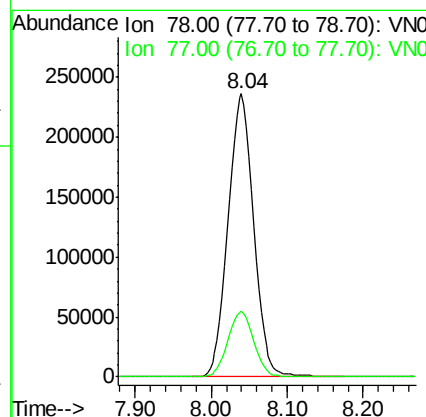
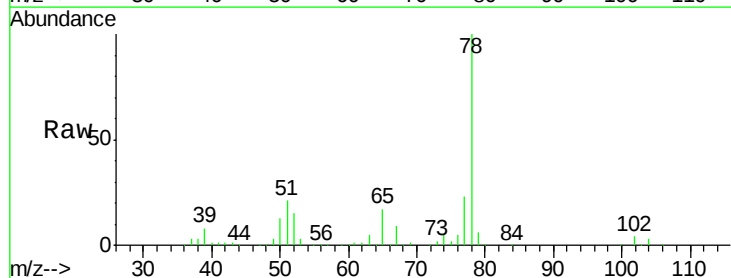
Manual Integrations
APPROVED

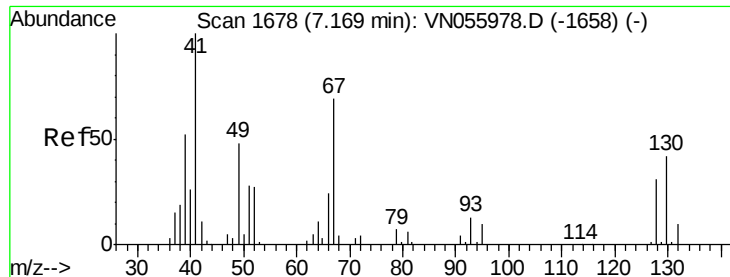
MMDadoda
6/11/2019 11:59:49 AM



#40
Benzene
Concen: 51.473 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.8	28.2	





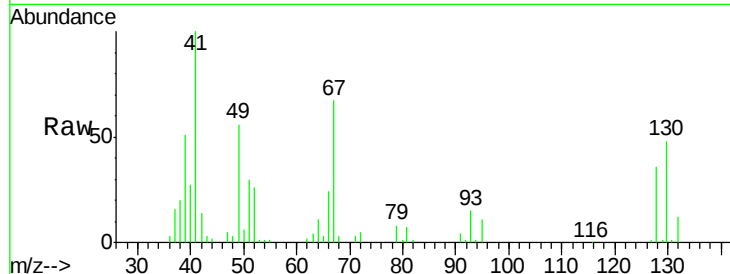
#41
Methacrylonitrile
Concen: 61.294 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

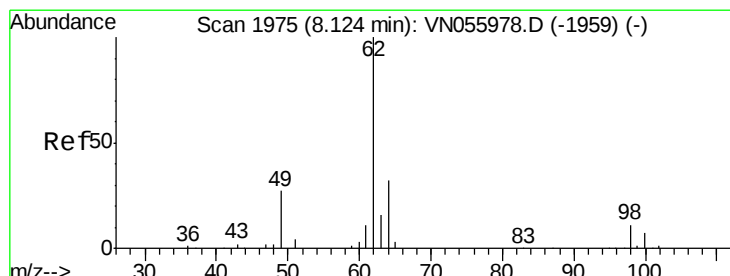
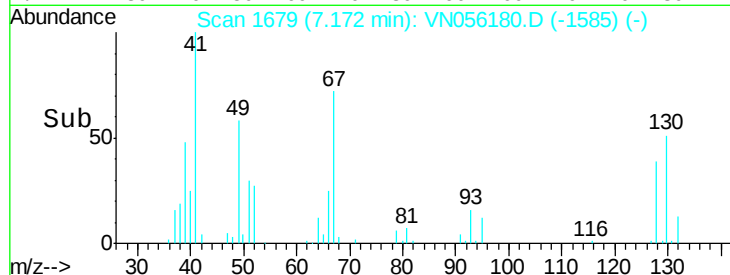
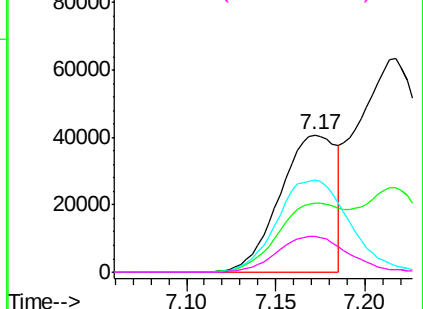
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.8	45.6	68.4	
67	87.0	67.7	101.5	
52	33.3	26.6	40.0	

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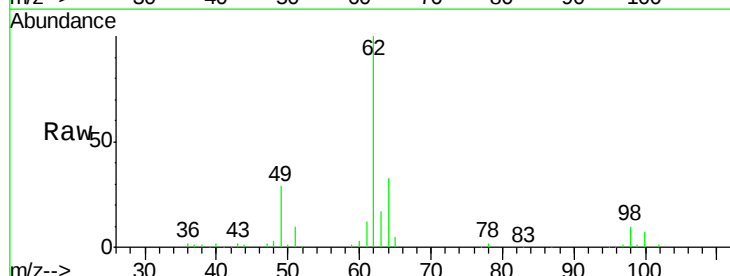


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

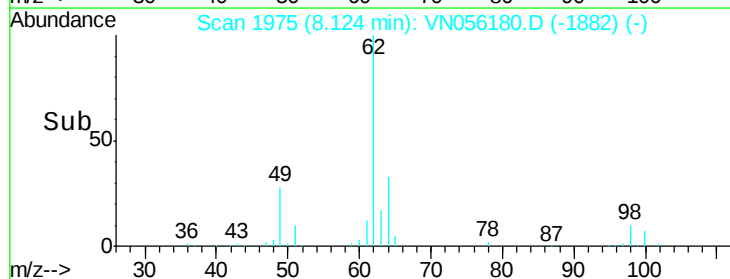
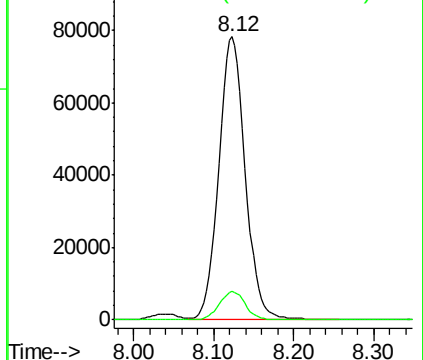


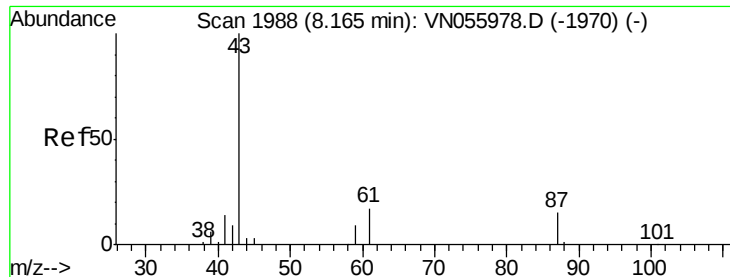
#42
1,2-Dichloroethane
Concen: 51.406 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.2	



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 52.953 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

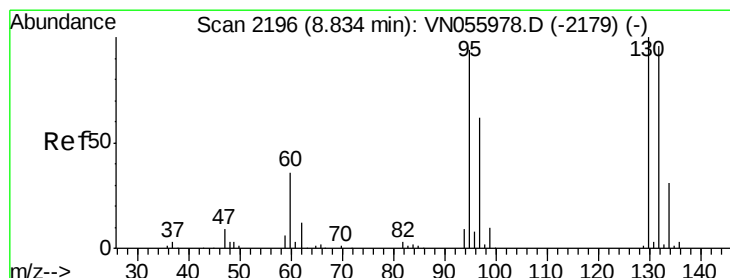
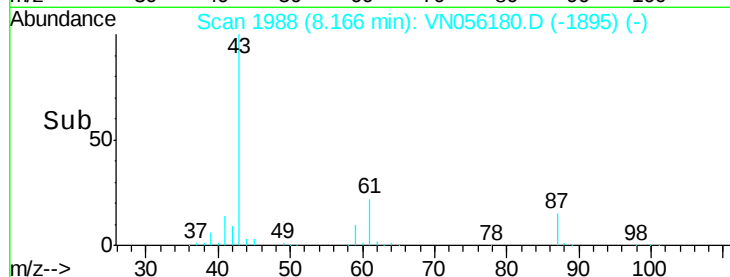
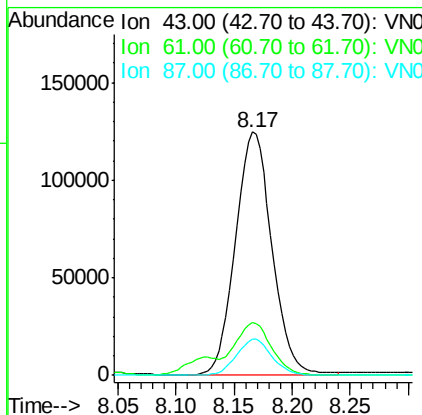
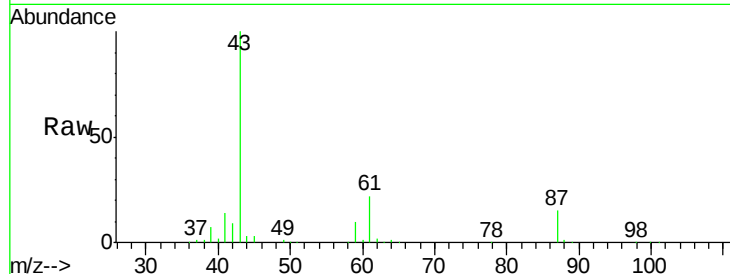
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	43	Resp:	271694
Ion	Ratio	Lower	Upper
43	100		
61	21.6	22.2	33.4#
87	14.6	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 51.021 ug/l

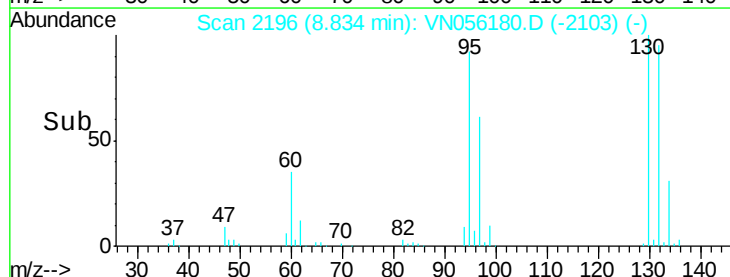
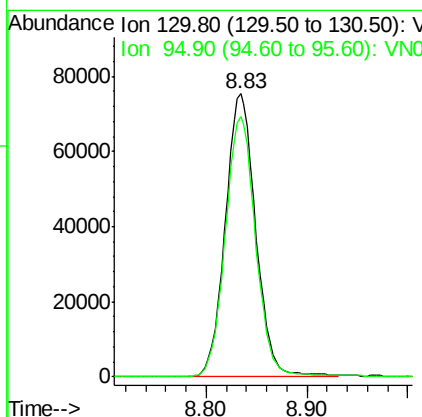
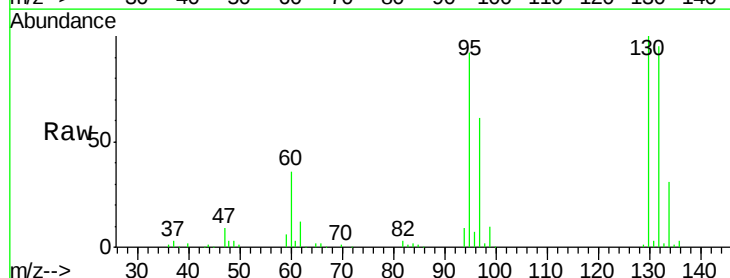
RT: 8.83 min Scan# 2196

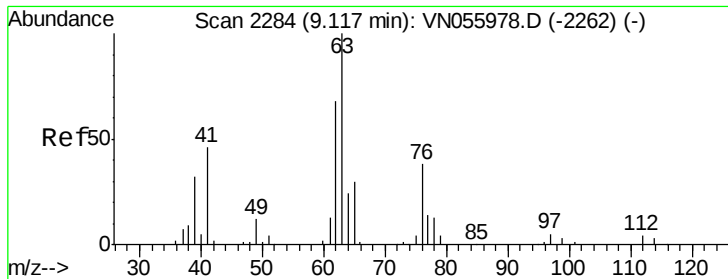
Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Tgt Ion:	130	Resp:	158460
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	188.0





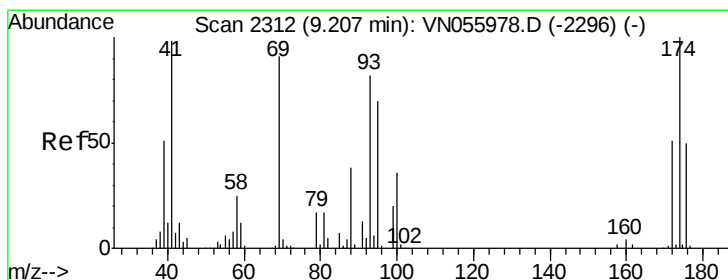
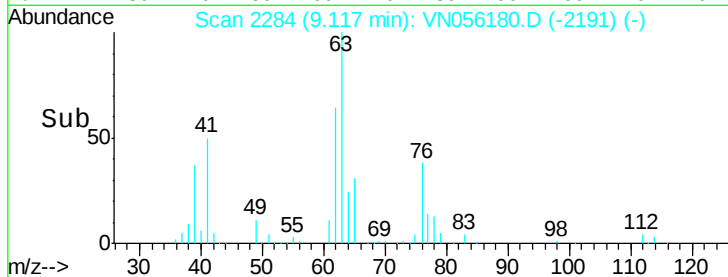
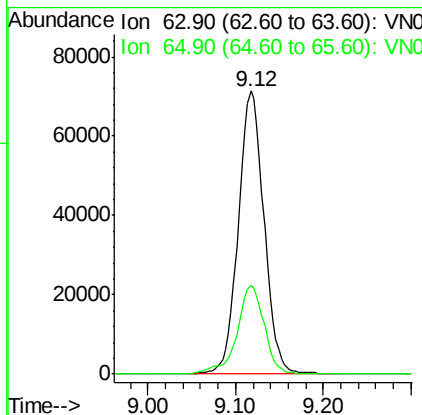
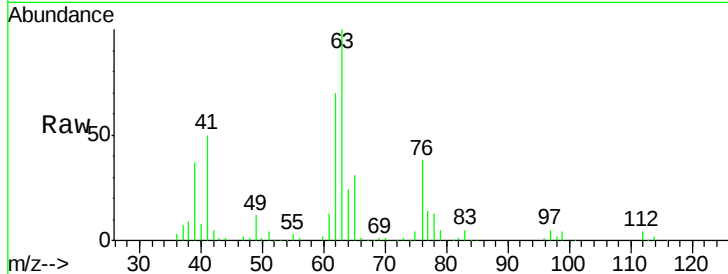
#45
 1,2-Dichloropropane
 Concen: 52.691 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 63 Resp: 145874
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 36.8

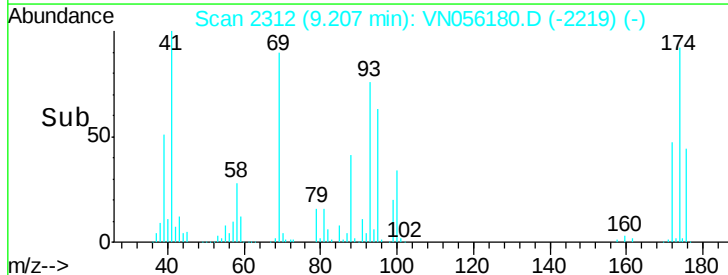
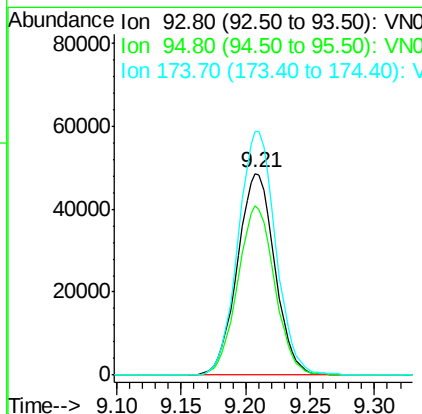
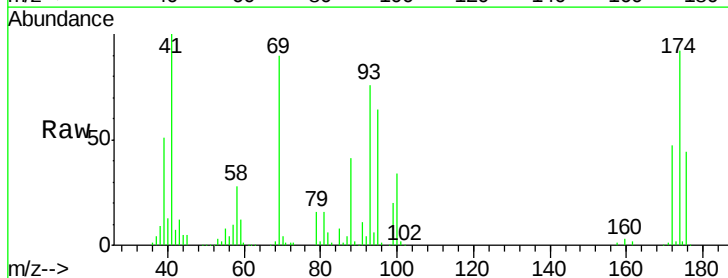
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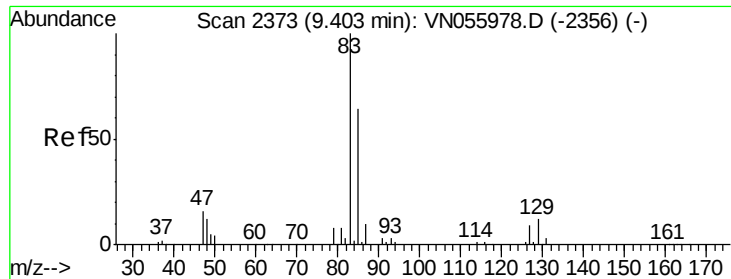
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#46
 Dibromomethane
 Concen: 54.069 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Tgt Ion: 93 Resp: 97886
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 121.4 96.4 144.6





#47

Bromodichloromethane

Concen: 55.568 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 83 Resp: 182325

Ion Ratio Lower Upper

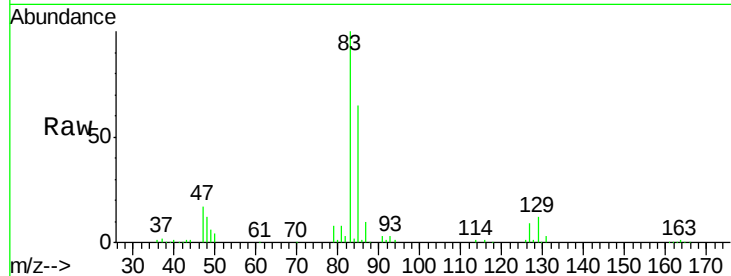
83 100

85 65.0 52.2 78.2

127 9.1 7.4 11.0

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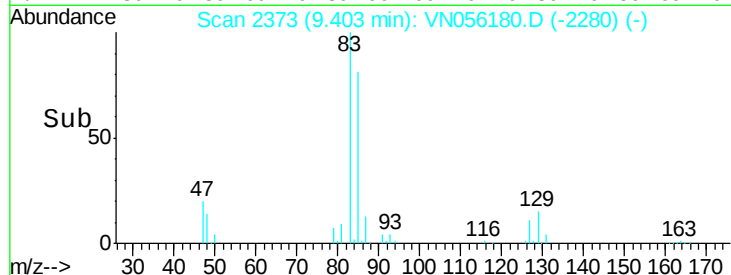


Abundance Ion 82.90 (82.60 to 83.60): VN056180.D (-2280) (-)

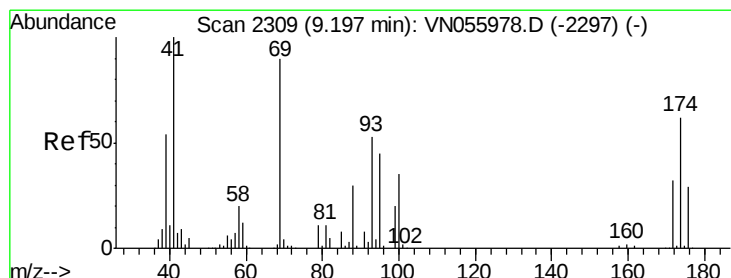
Ion 84.90 (84.60 to 85.60): VN056180.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056180.D (-2280) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 57.078 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

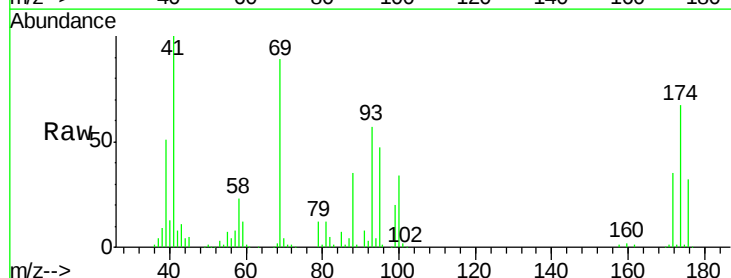
Tgt Ion: 41 Resp: 143276

Ion Ratio Lower Upper

41 100

69 88.8 71.0 106.6

39 51.1 44.2 66.2

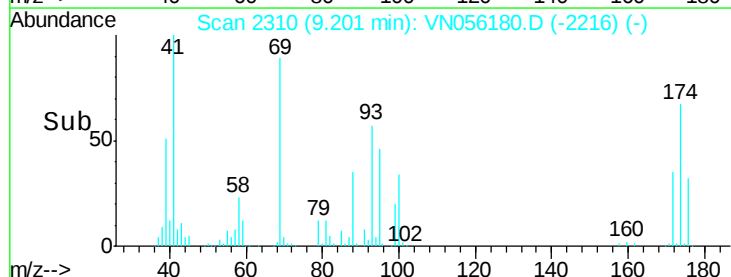


Abundance Ion 41.00 (40.70 to 41.70): VN056180.D (-2216) (-)

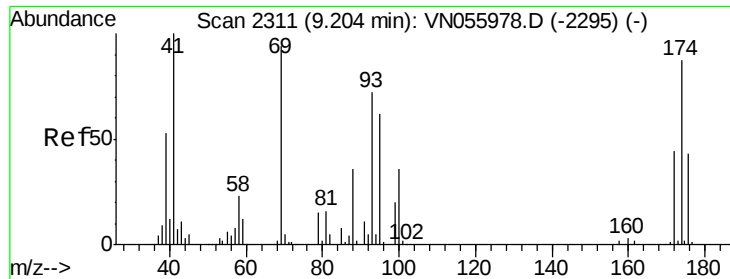
Ion 69.00 (68.70 to 69.70): VN056180.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056180.D (-2216) (-)

Time-->



Time-->



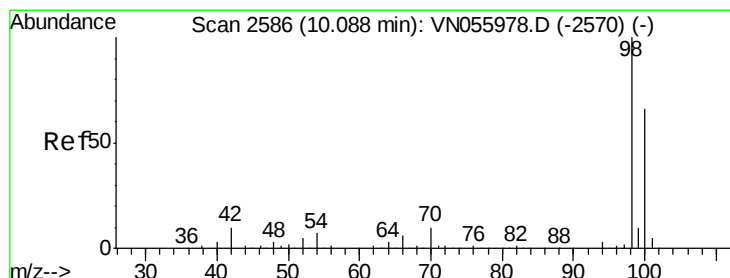
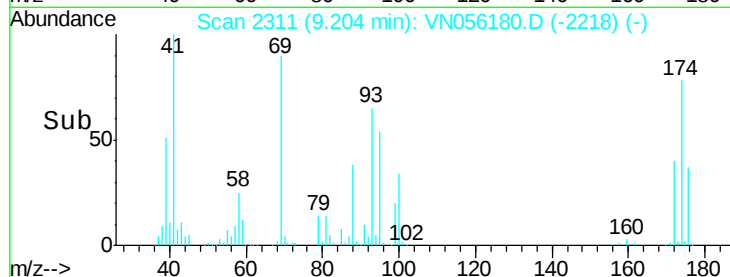
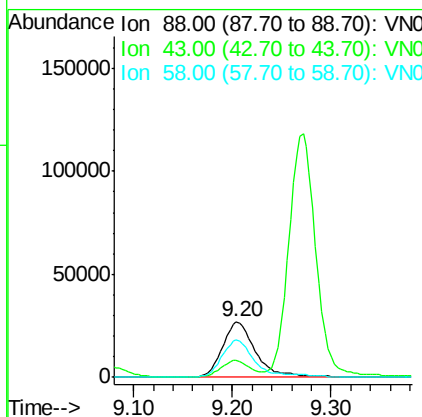
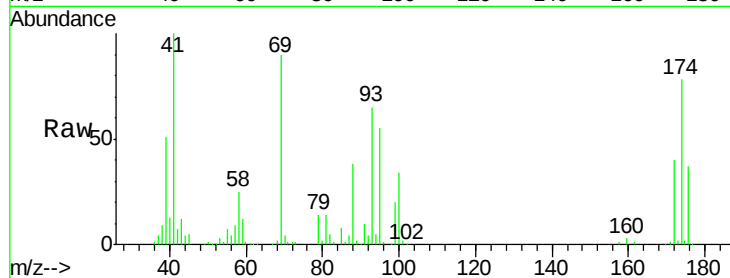
#49
1,4-Dioxane
Concen: 1169.954 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	88	Resp	63402
Ion	Ratio	Lower	Upper
88	100		
43	26.6	20.5	30.7
58	68.9	55.8	83.6

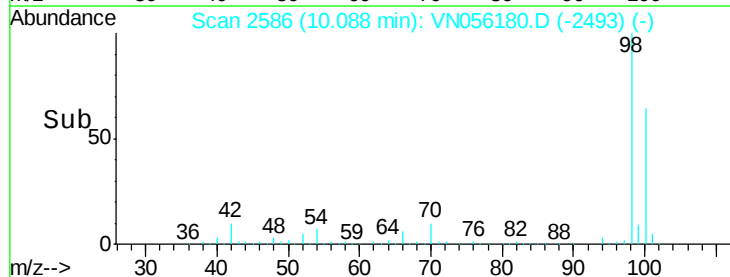
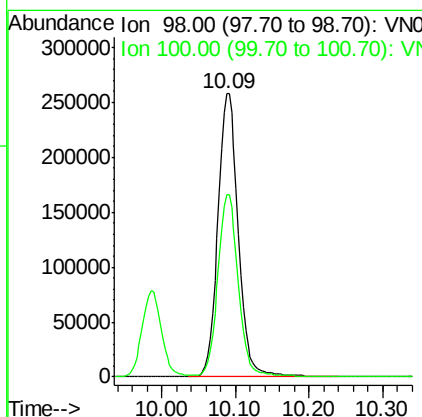
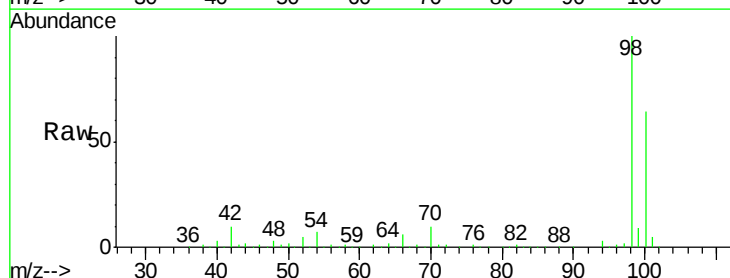
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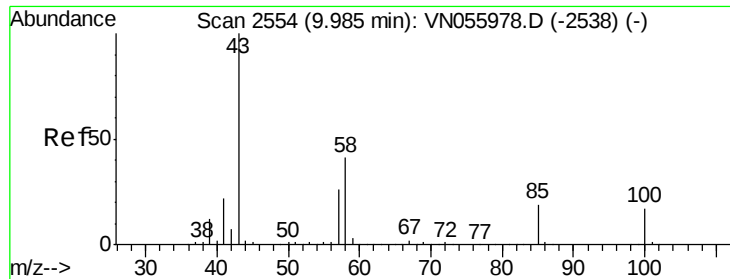
MMDadoda
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#50
Toluene-d8
Concen: 50.680 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion	98	Resp	495181
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 286.998 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 43 Resp: 920866

Ion Ratio Lower Upper

43 100

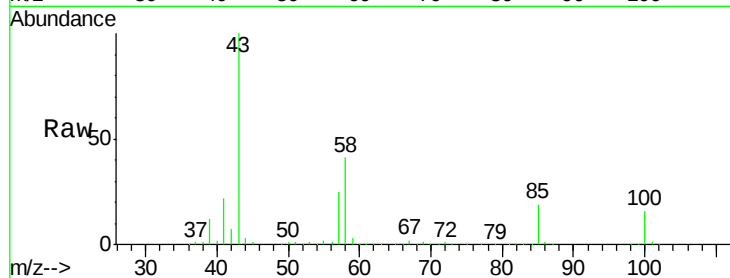
58 40.5 32.1 48.1

Manual Integrations

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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

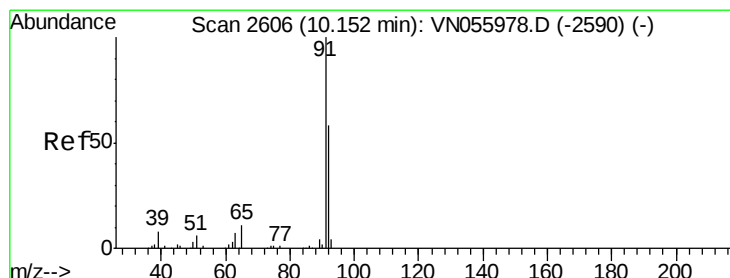
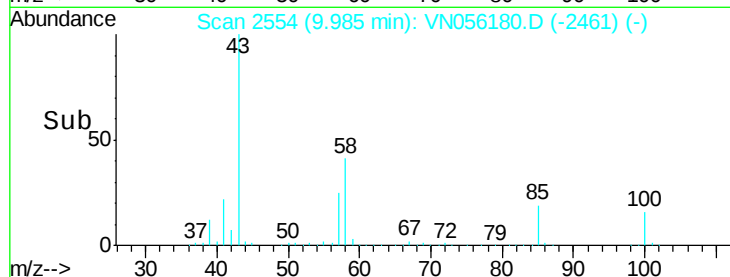
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.582 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056180.D

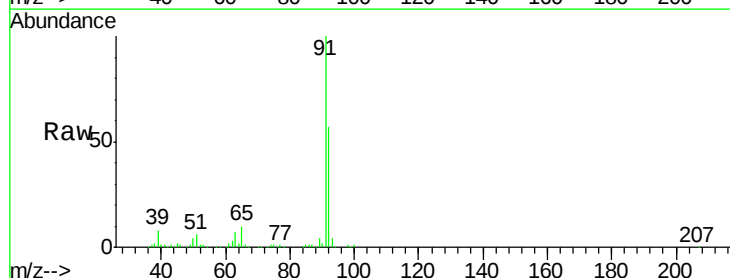
Acq: 10 Jun 2019 19:34

Tgt Ion: 92 Resp: 346921

Ion Ratio Lower Upper

92 100

91 175.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

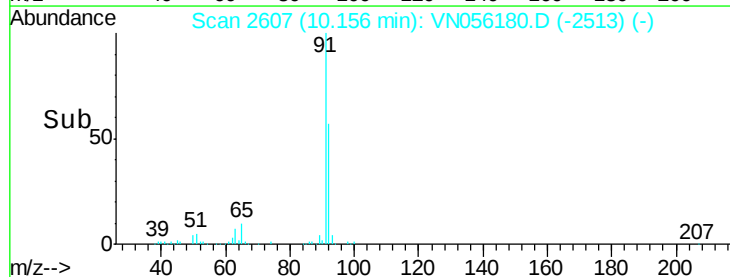
300000

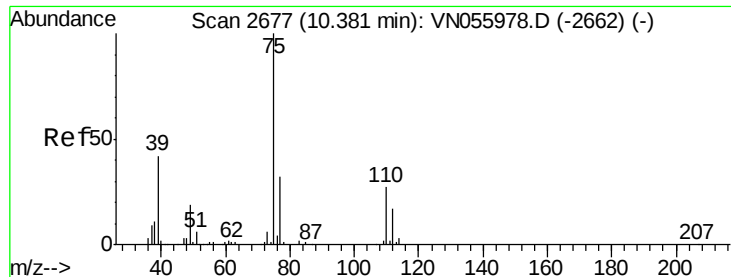
200000

100000

0

Time-->





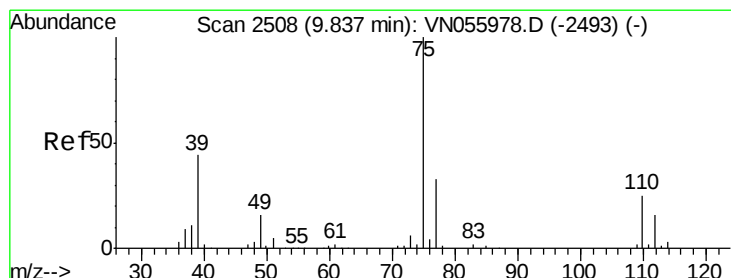
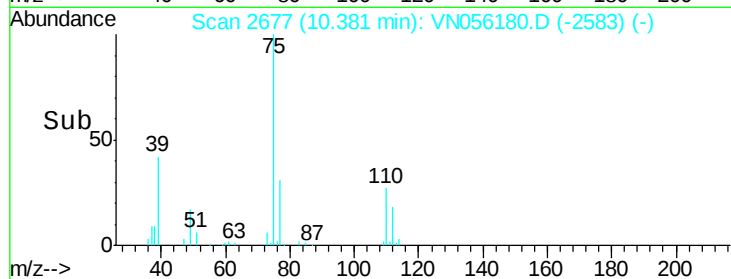
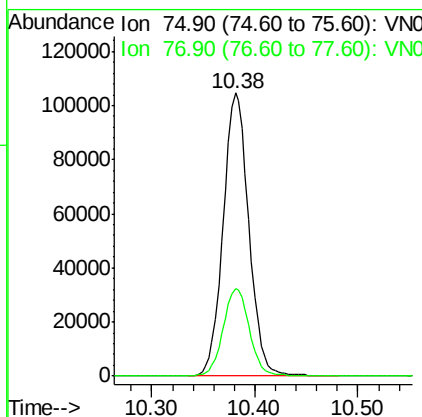
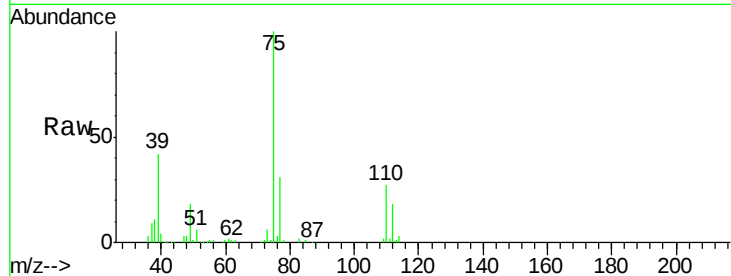
#53
t-1,3-Dichloropropene
Concen: 47.375 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6

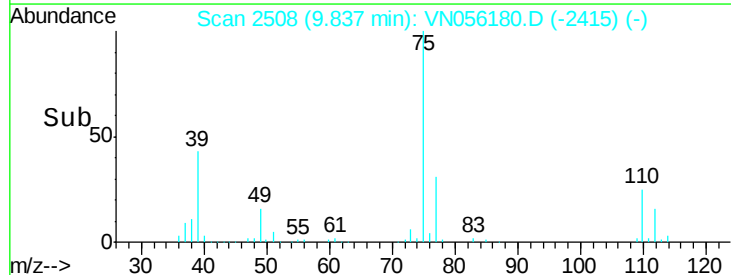
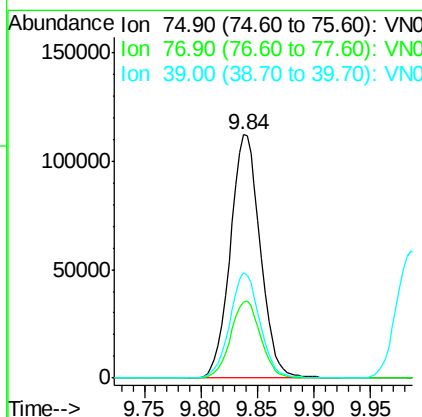
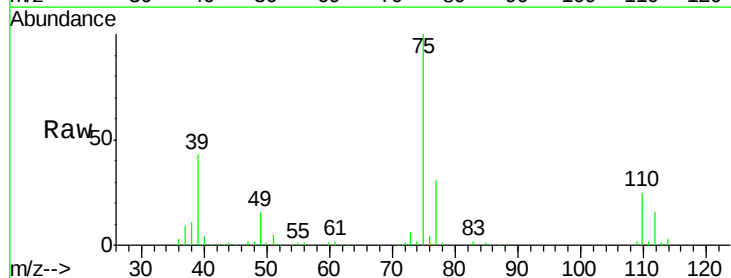
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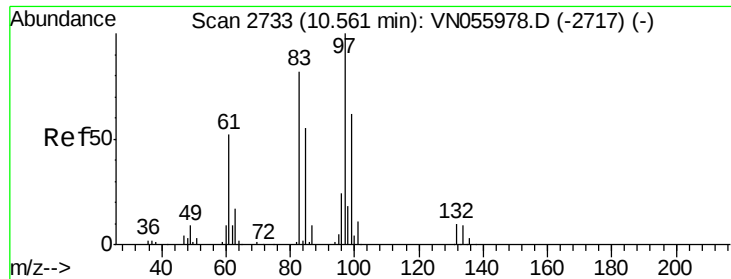
MMDadoda
6/11/2019 11:59:49 AM



#54
cis-1,3-Dichloropropene
Concen: 52.508 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	43.2	36.3	54.5





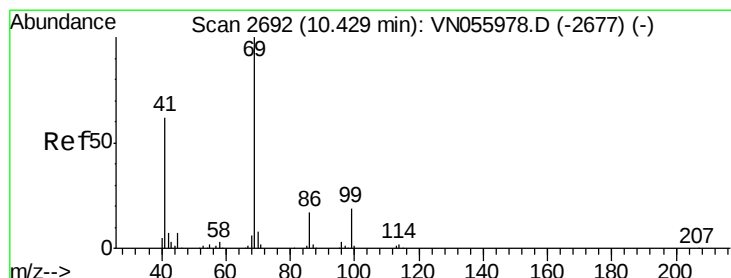
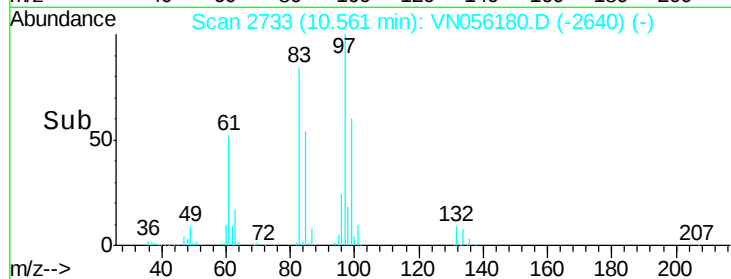
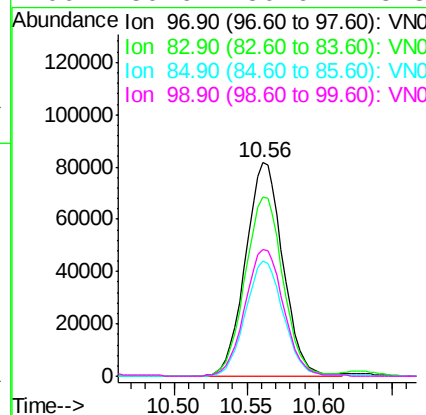
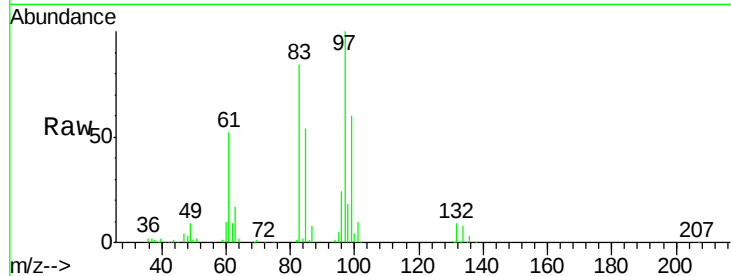
#55
 1,1,2-Trichloroethane
 Concen: 55.055 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		146673		
83	84.0	67.0	100.6		
85	53.8	44.0	66.0		
99	59.6	50.6	75.8		

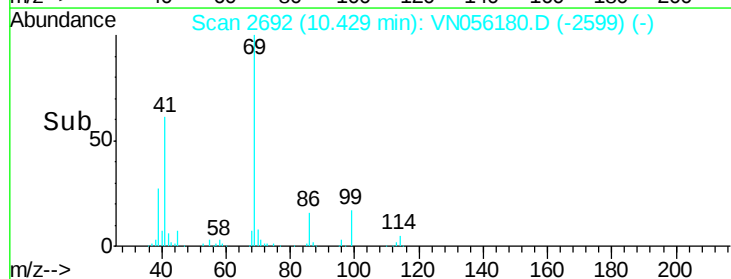
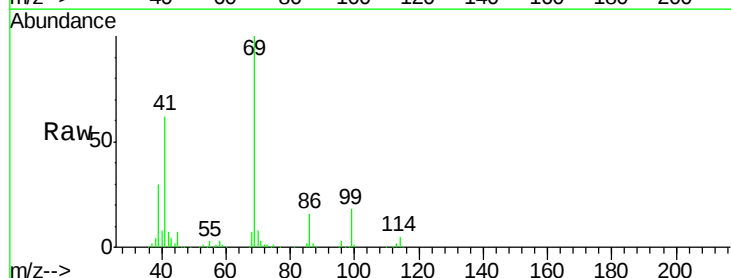
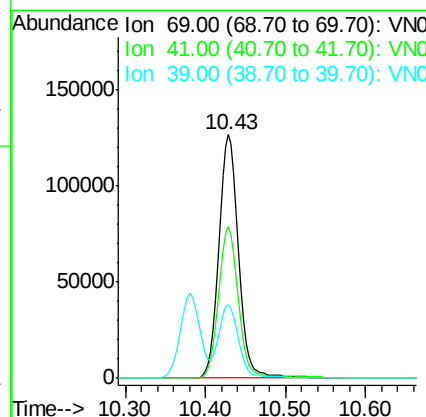
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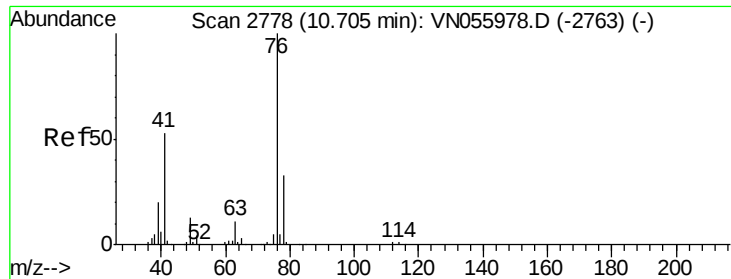
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 6/11/2019 11:59:49 AM



#56
 Ethyl methacrylate
 Concen: 55.643 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		216264		
41	61.5	49.7	74.5		
39	30.2	24.7	37.1		





#57

1,3-Dichloropropane

Concen: 53.990 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 76 Resp: 233824

Ion Ratio Lower Upper

76 100

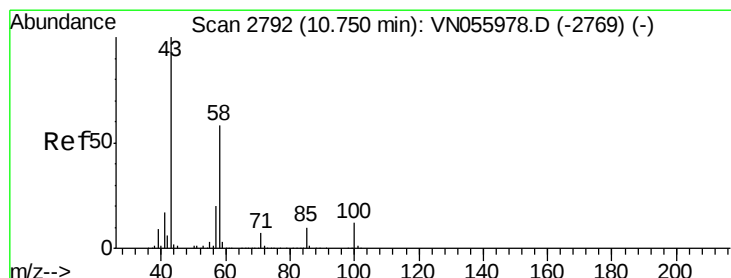
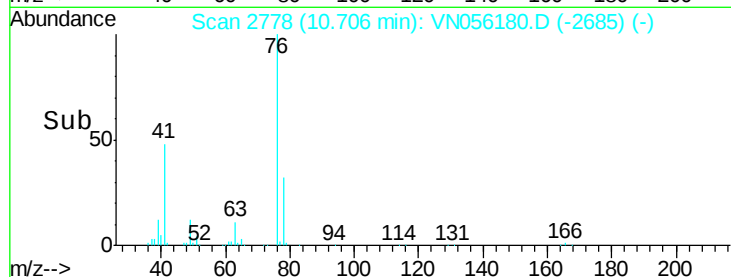
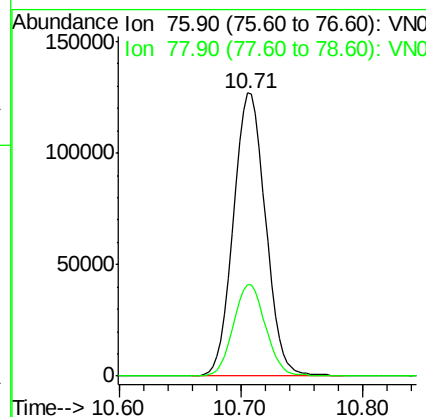
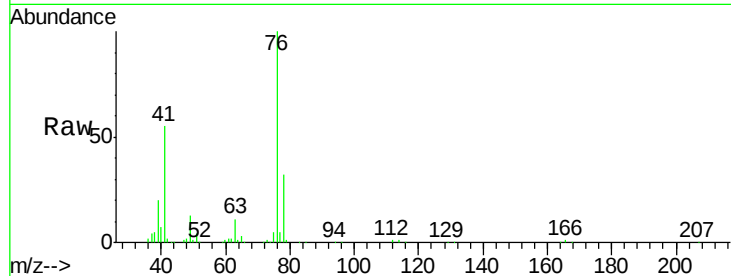
78 32.3 25.8 38.6

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#59

2-Hexanone

Concen: 280.439 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN056180.D

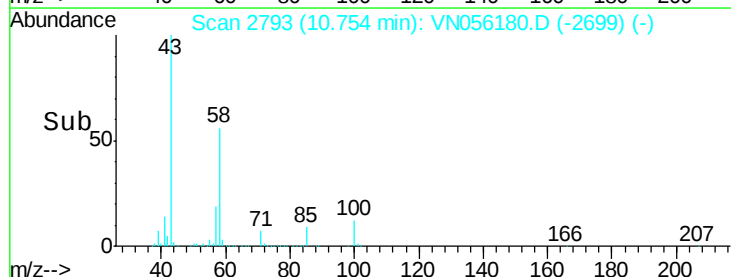
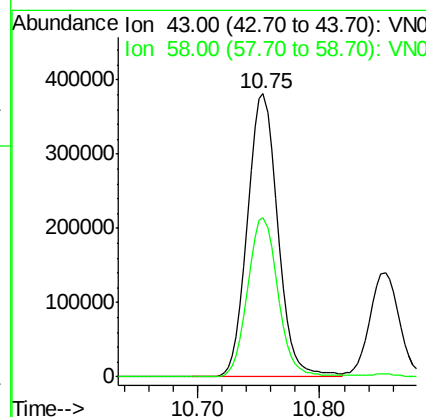
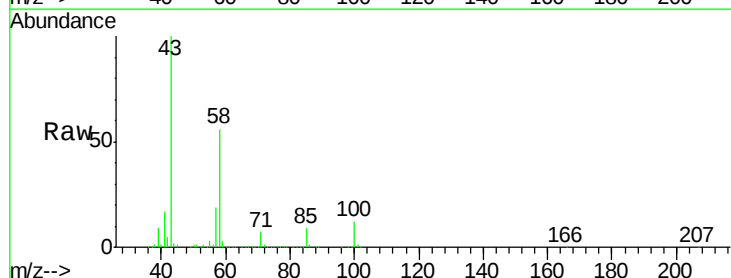
Acq: 10 Jun 2019 19:34

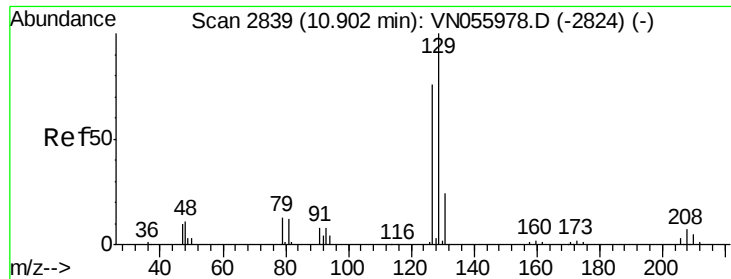
Tgt Ion: 43 Resp: 652169

Ion Ratio Lower Upper

43 100

58 56.5 28.2 84.7





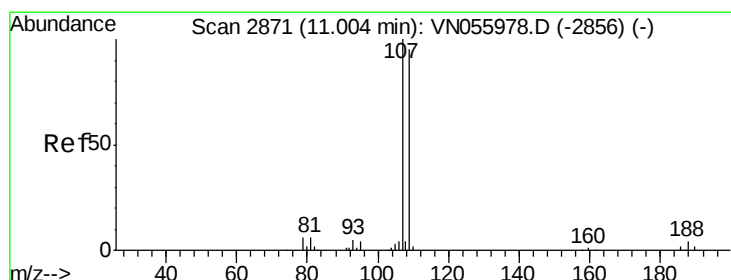
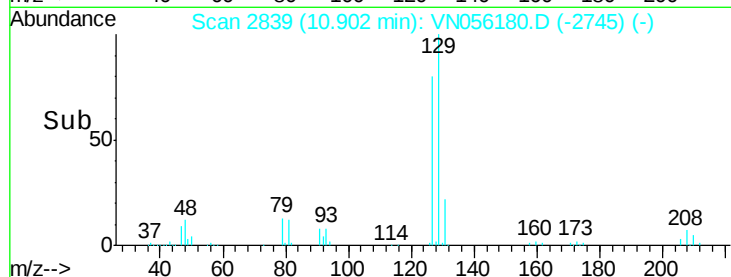
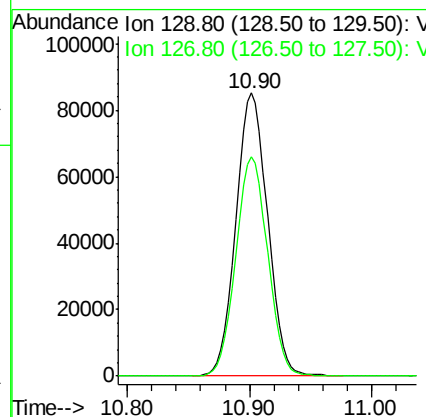
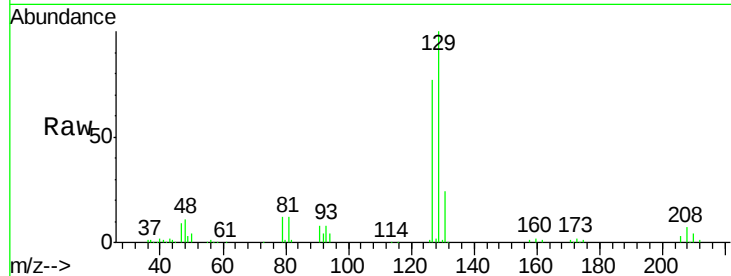
#60
Dibromochloromethane
Concen: 52.295 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:129 Resp: 154004
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.3

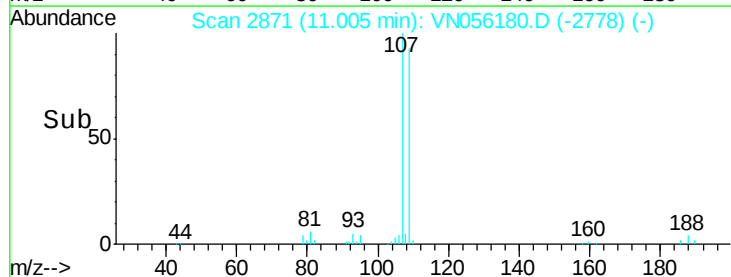
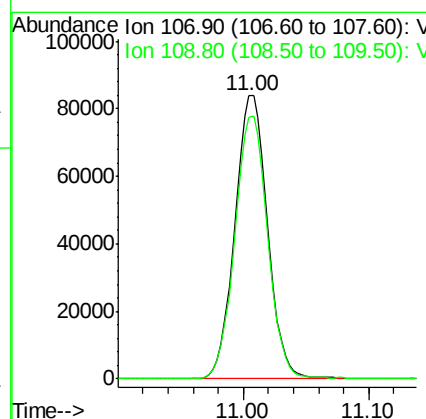
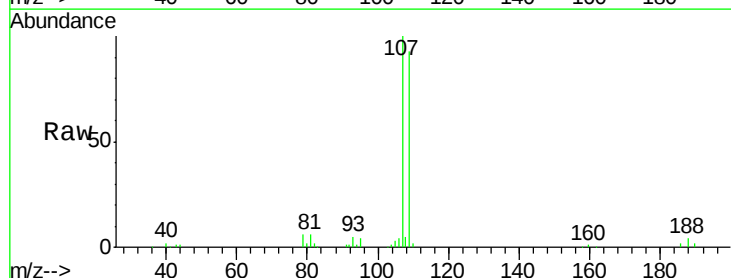
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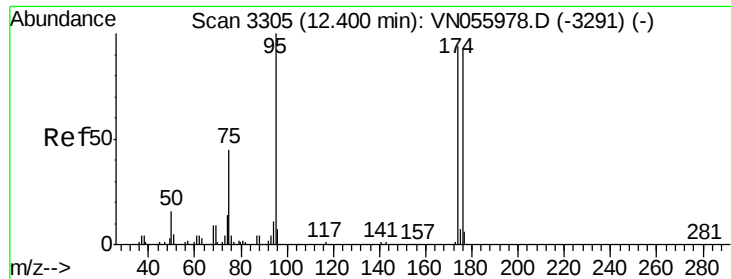
MMDadoda
6/11/2019 11:59:49 AM



#61
1,2-Dibromoethane
Concen: 55.596 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion:107 Resp: 151419
Ion Ratio Lower Upper
107 100
109 93.6 74.8 112.2





#62

4-Bromofluorobenzene

Concen: 51.407 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

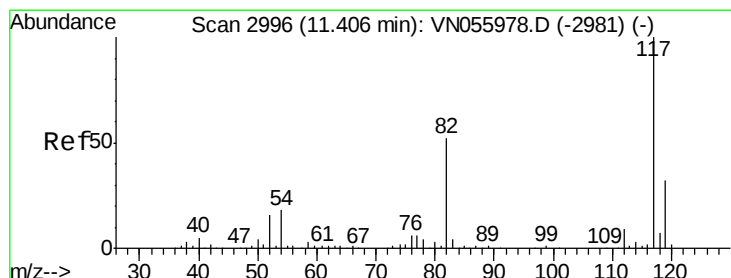
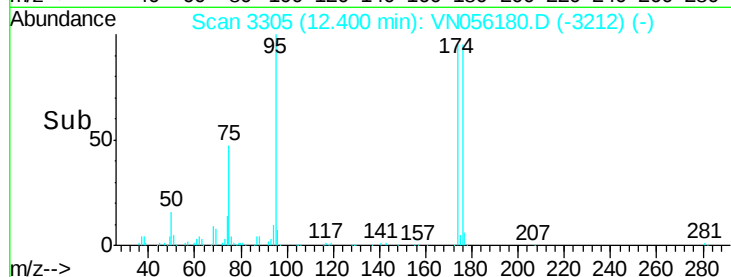
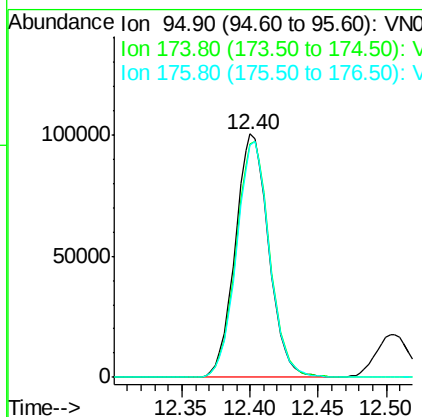
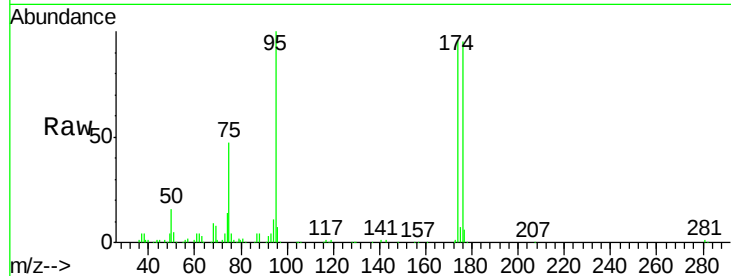
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	95	Resp:	170816
Ion Ratio	Lower	Upper	
95	100		
174	97.0	0.0	191.0
176	95.0	0.0	185.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

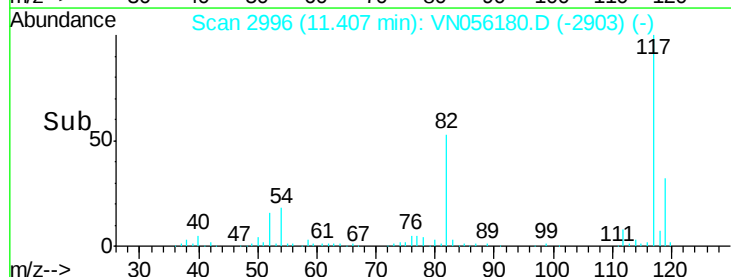
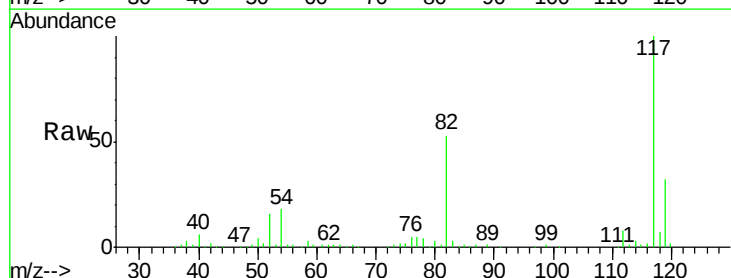
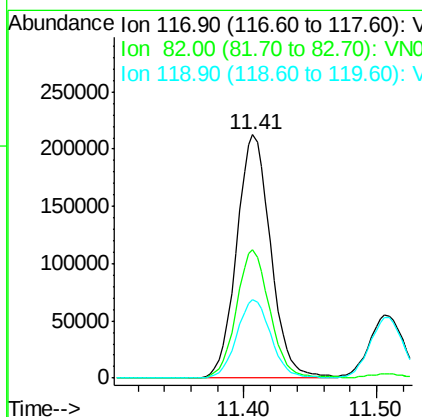
RT: 11.41 min Scan# 2996

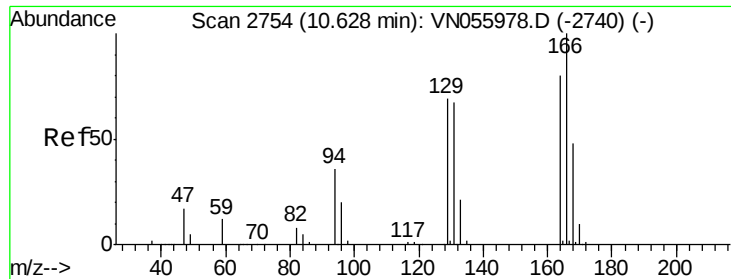
Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Tgt Ion:	117	Resp:	379827
Ion Ratio	Lower	Upper	
117	100		
82	52.5	41.8	62.8
119	32.1	25.4	38.0





#64

Tetrachloroethene

Concen: 46.320 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:164 Resp: 152293

Ion Ratio Lower Upper

164 100

166 128.7 103.0 154.6

129 86.9 70.6 105.8

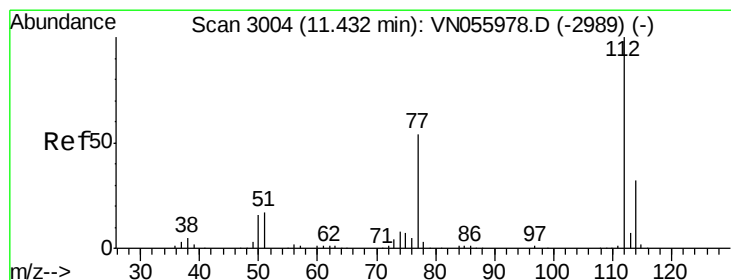
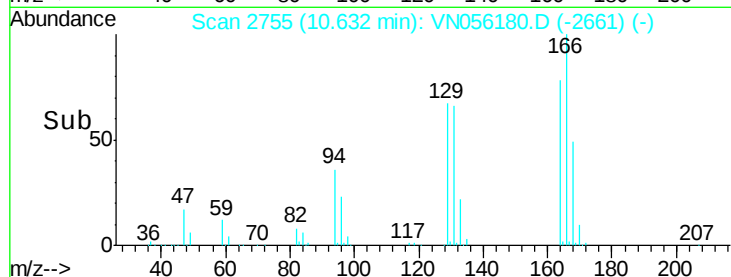
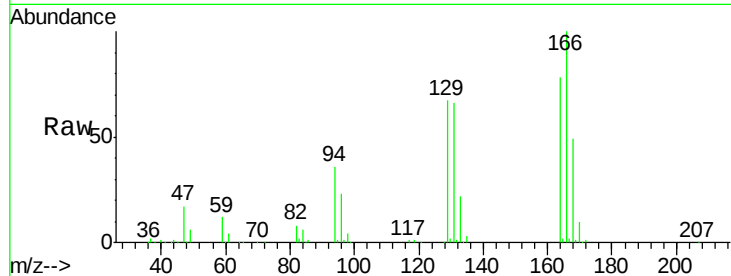
131 84.7 68.6 102.8

Manual Integrations

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#65

Chlorobenzene

Concen: 50.331 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056180.D

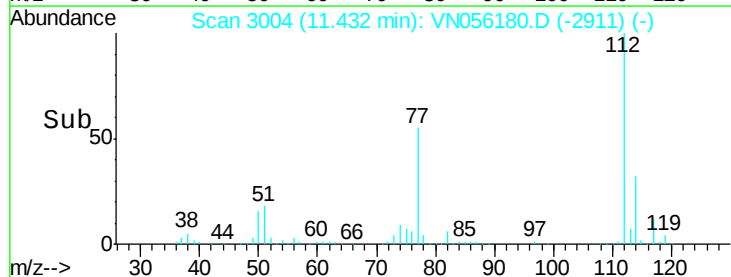
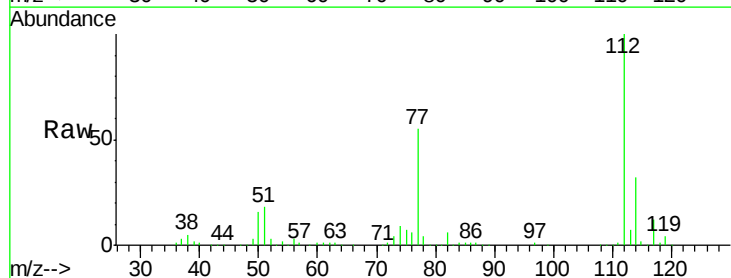
Acq: 10 Jun 2019 19:34

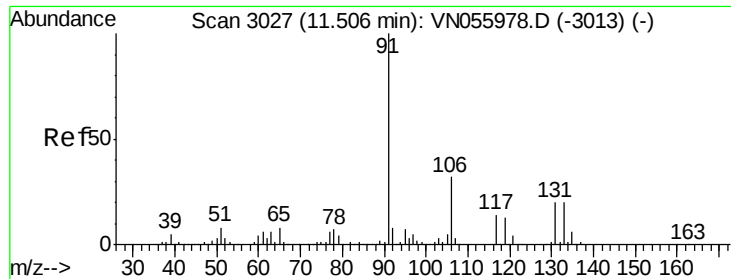
Tgt Ion:112 Resp: 380466

Ion Ratio Lower Upper

112 100

114 31.8 26.2 39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 54.700 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

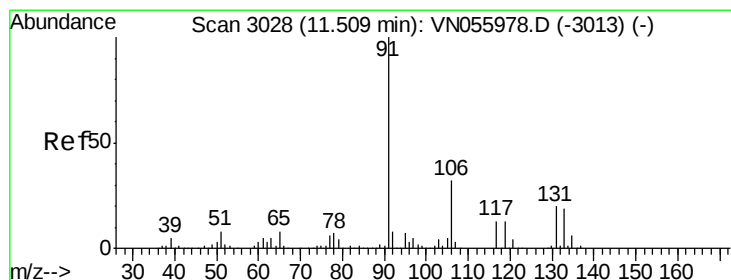
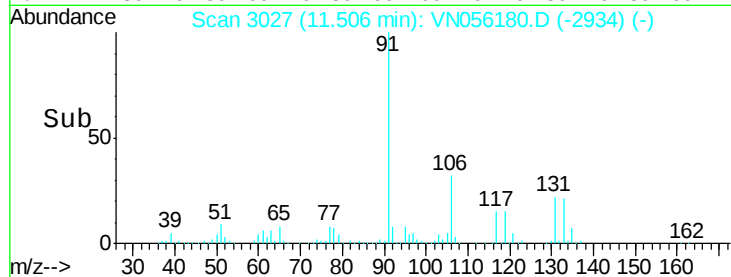
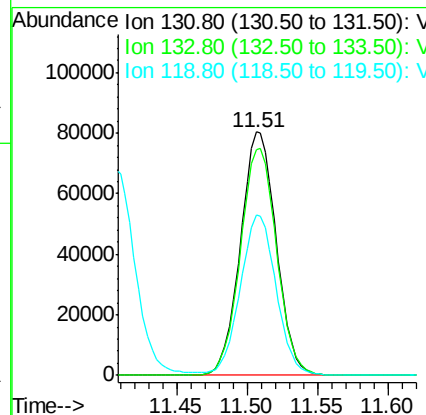
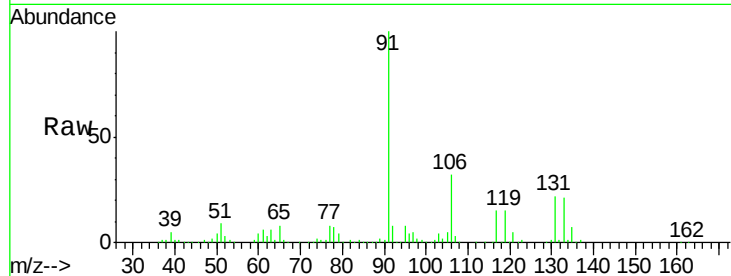
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.7	48.0	144.0
119	66.2	33.1	99.5

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#67

Ethyl Benzene

Concen: 49.947 ug/l

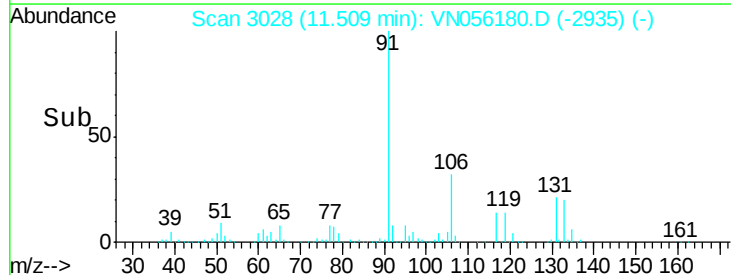
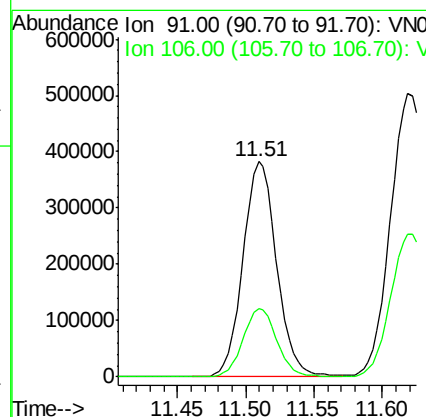
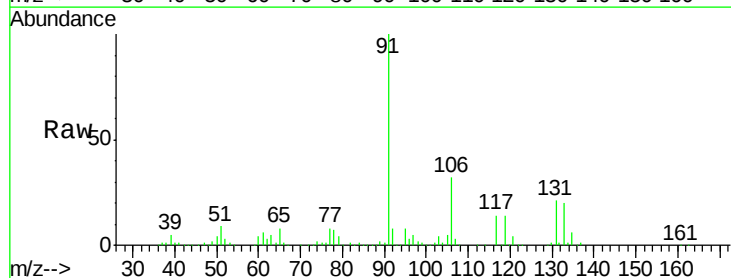
RT: 11.51 min Scan# 3028

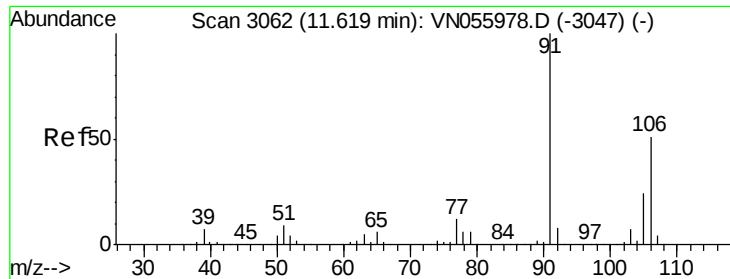
Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.1	37.7





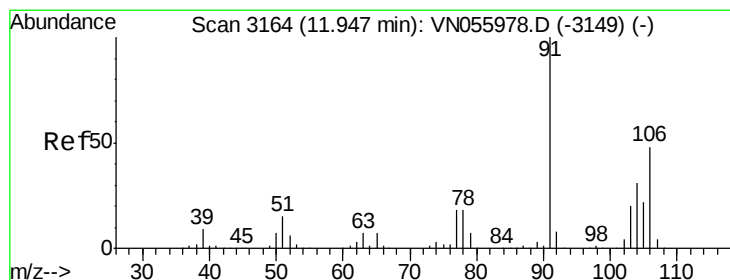
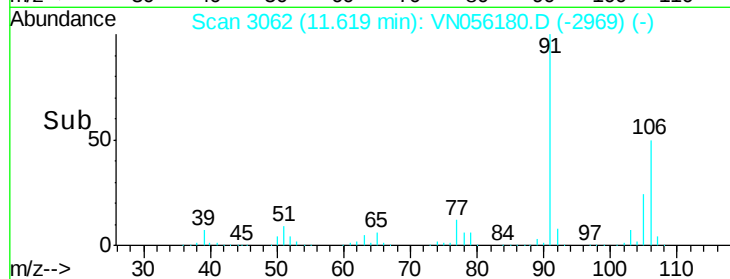
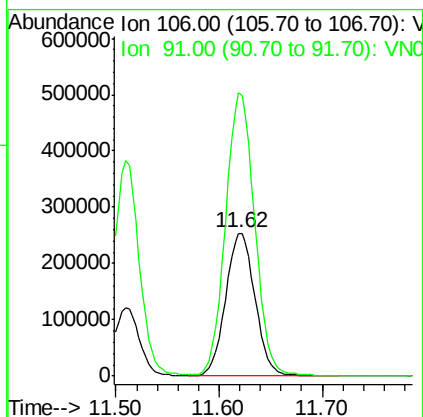
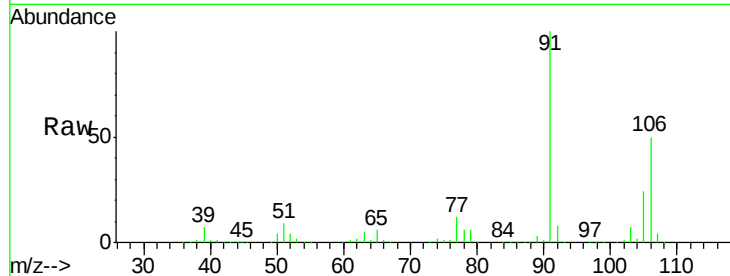
#68
m/p-Xylenes
Concen: 100.448 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:106 Resp: 504381
Ion Ratio Lower Upper
106 100
91 196.8 159.3 238.9

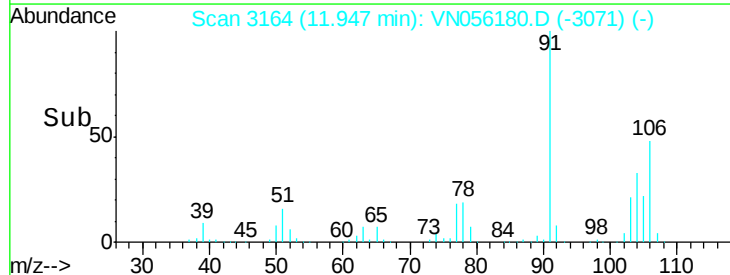
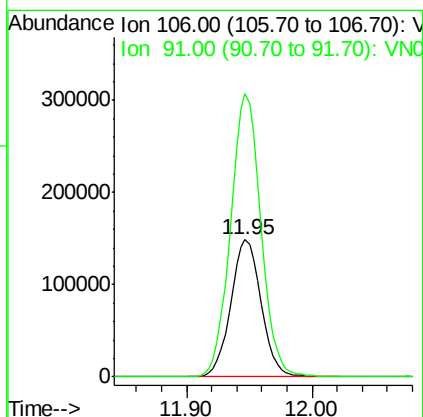
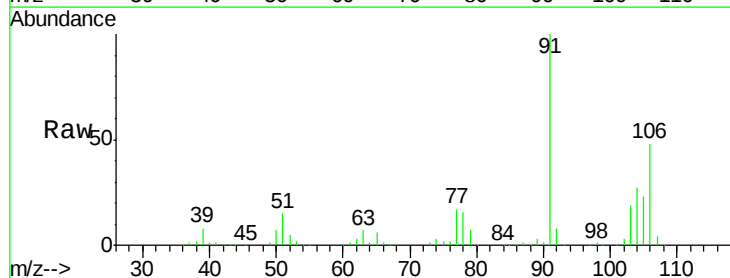
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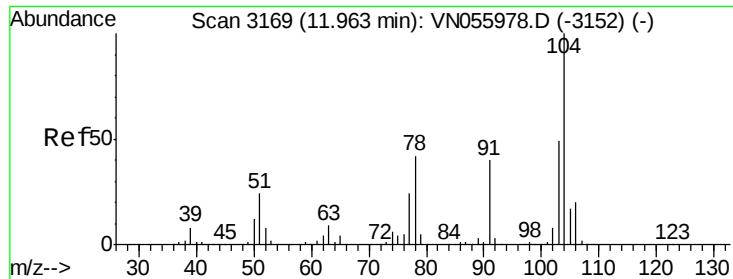
MMDadoda
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#69
o-Xylene
Concen: 50.504 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion:106 Resp: 249453
Ion Ratio Lower Upper
106 100
91 206.4 104.7 314.1





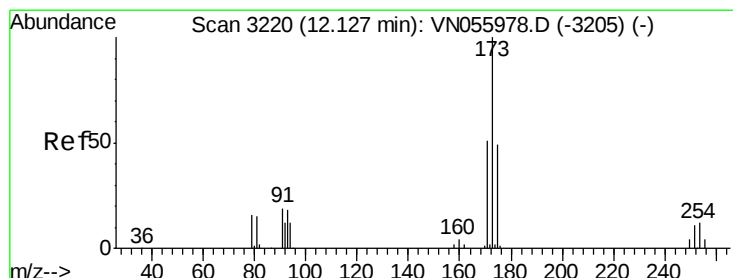
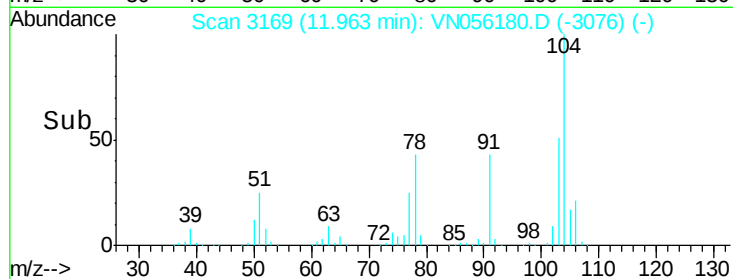
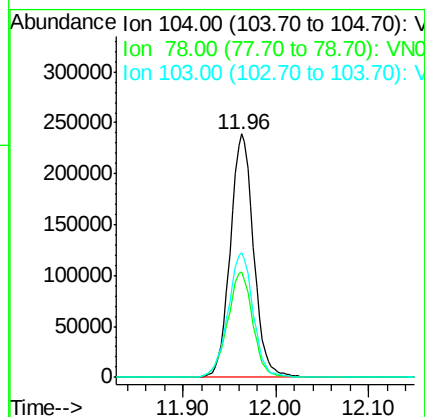
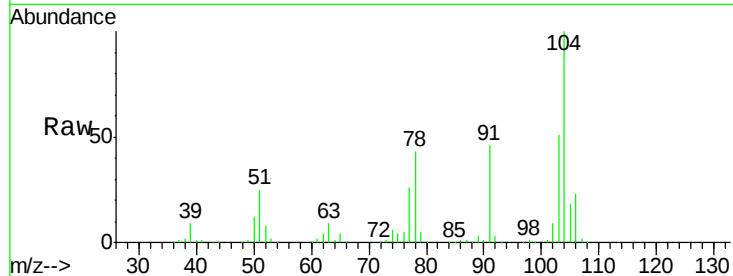
#70
Stvrene
Concen: 53.116 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.7	37.8	56.6
103	55.0	44.2	66.2

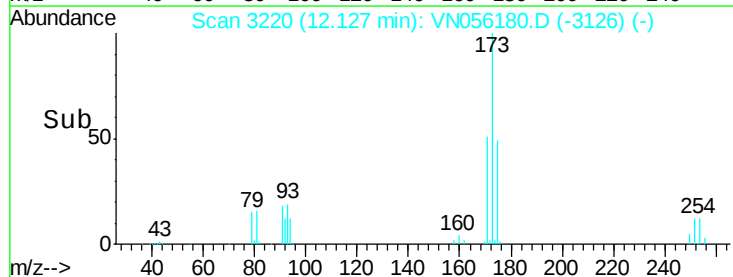
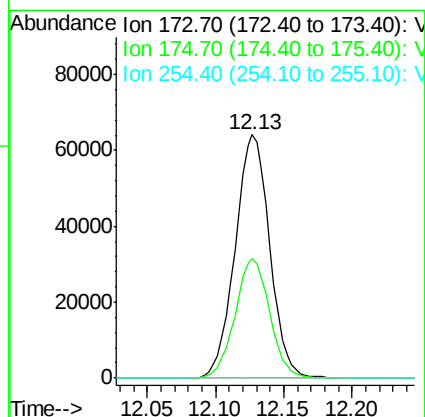
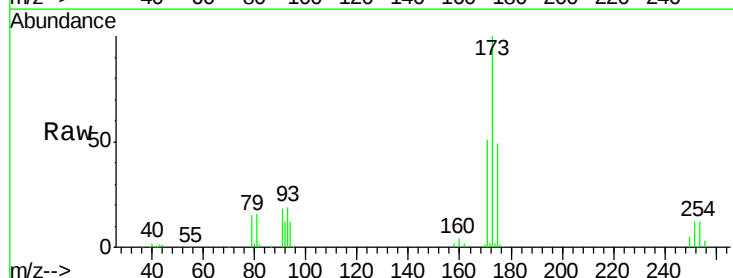
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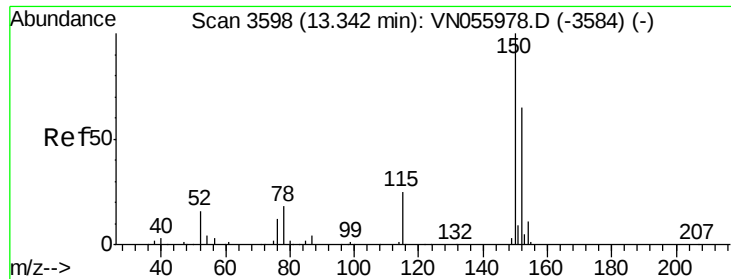
MMDadoda
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#71
Bromoform
Concen: 51.295 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	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: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

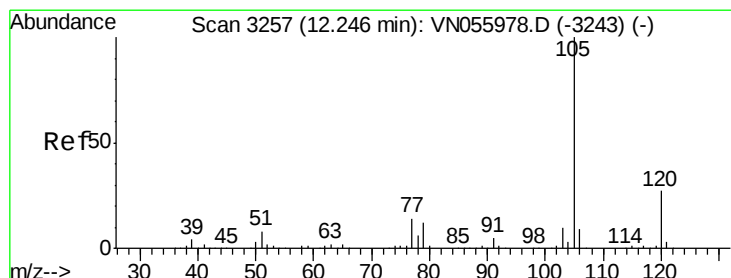
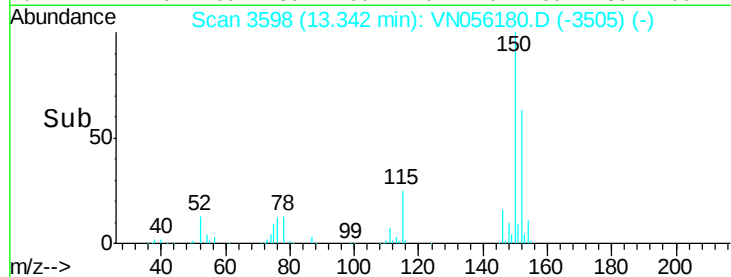
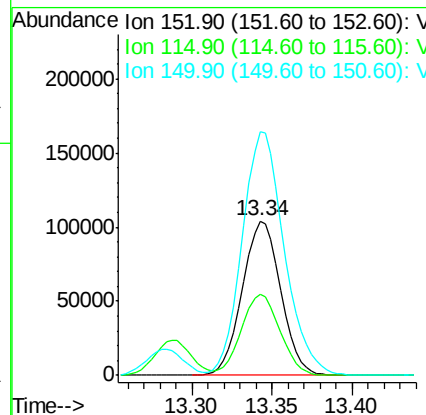
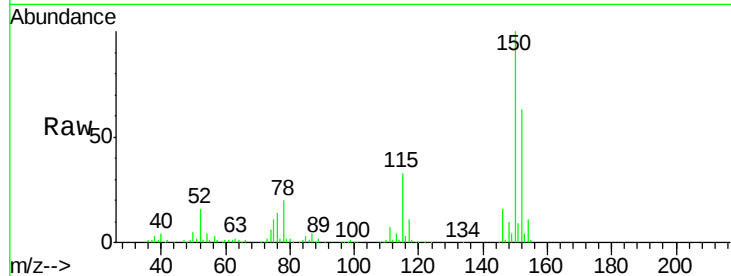
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	152	Resp:	170264
Ion Ratio	Lower	Upper	
152	100		
115	52.9	27.0	81.0
150	173.4	0.0	343.2

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#73

Isopropylbenzene

Concen: 53.565 ug/l

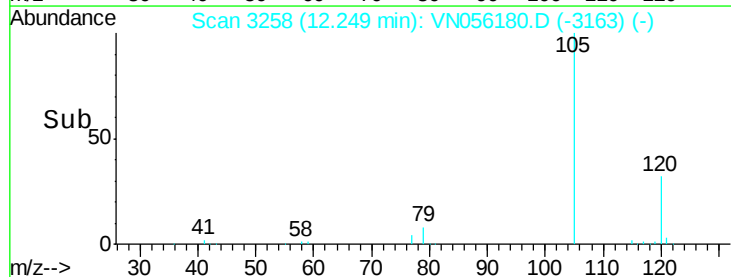
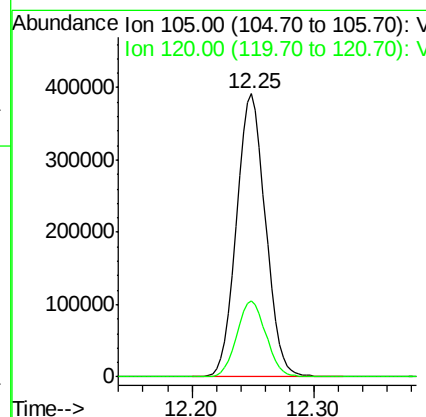
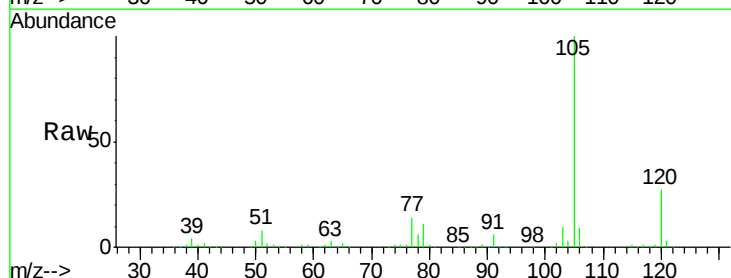
RT: 12.25 min Scan# 3258

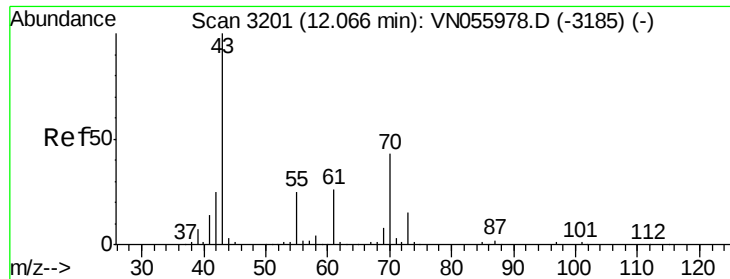
Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Tgt Ion:	105	Resp:	647992
Ion Ratio	Lower	Upper	
105	100		
120	27.1	13.6	40.7





#74

N-amvl acetate

Concen: 48.509 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

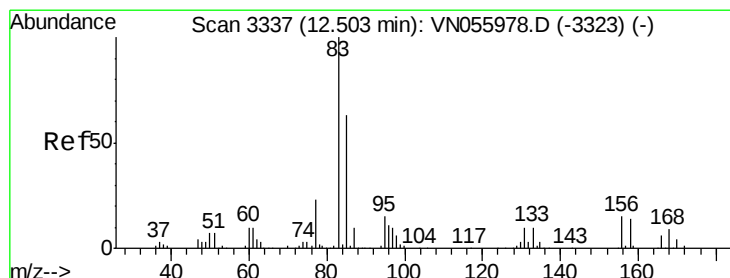
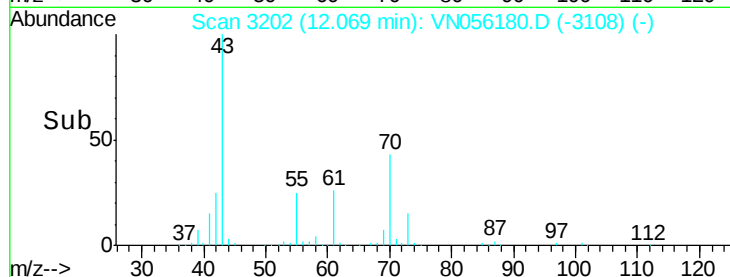
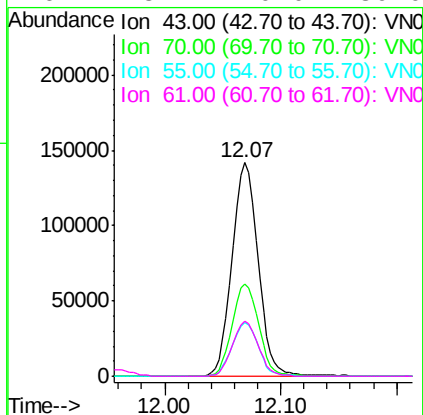
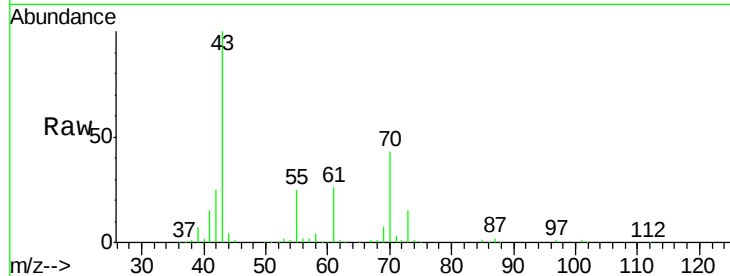
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	43	Resp:	220164
Ion	Ratio	Lower	Upper
43	100		
70	43.8	34.0	51.0
55	25.4	18.6	28.0
61	25.4	20.0	30.0

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 51.168 ug/l

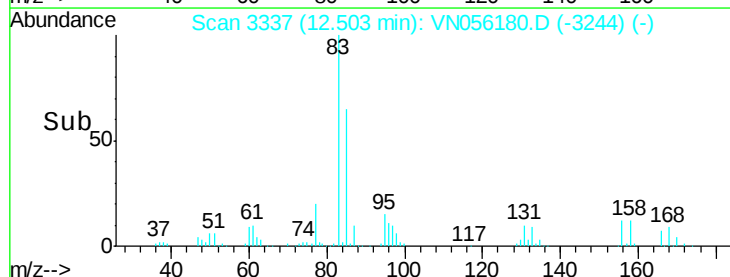
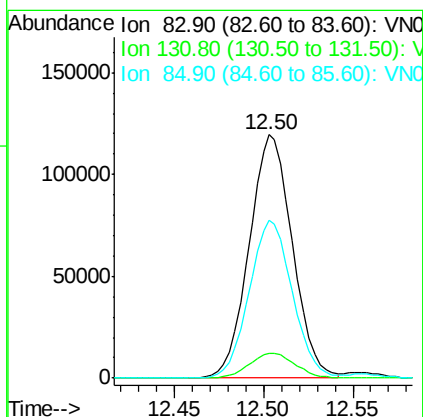
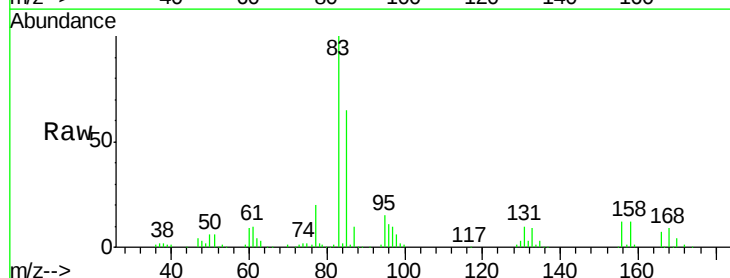
RT: 12.50 min Scan# 3337

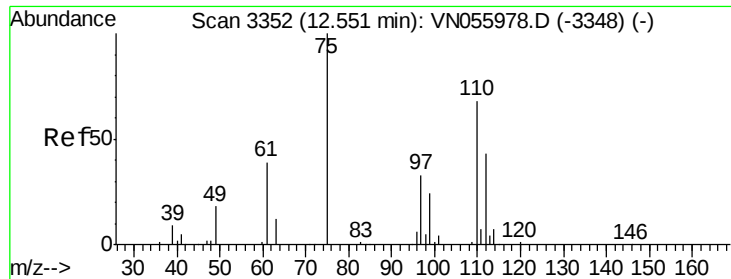
Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Tgt Ion:	83	Resp:	202244
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	64.9	32.4	97.0





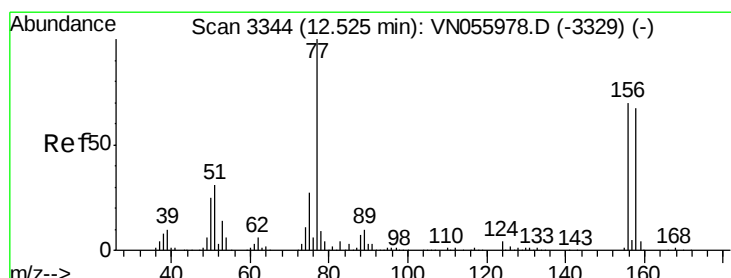
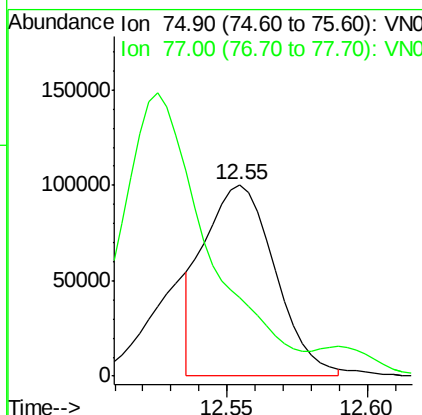
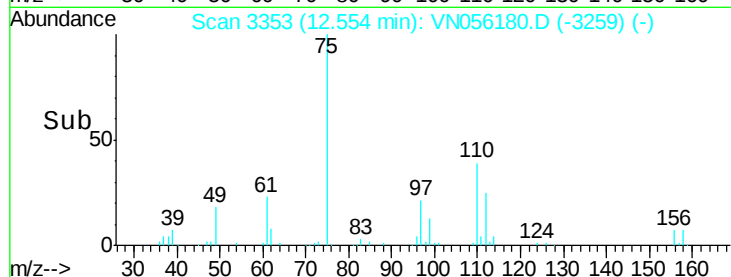
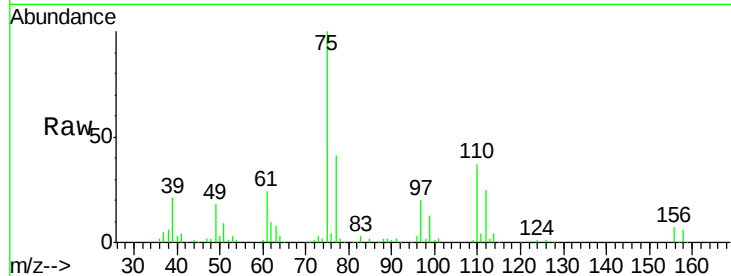
#76
 1,2,3-Trichloropropane
 Concen: 56.523 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 75 Resp: 177083
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

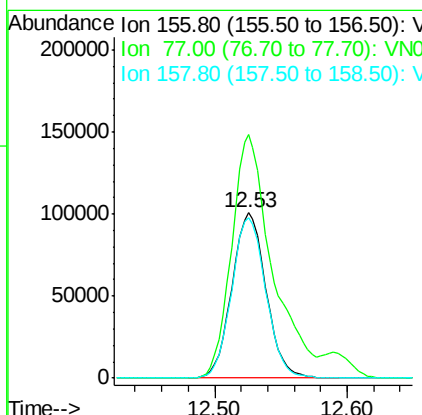
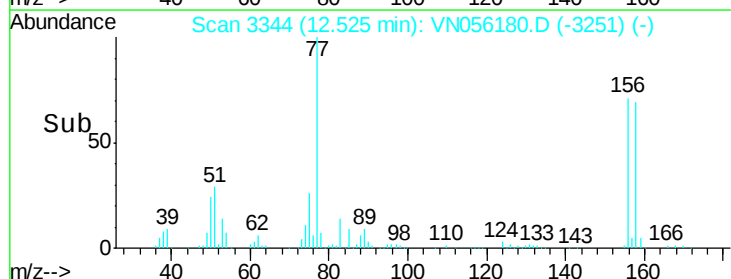
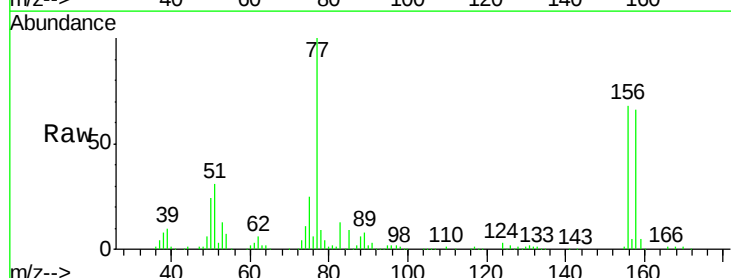
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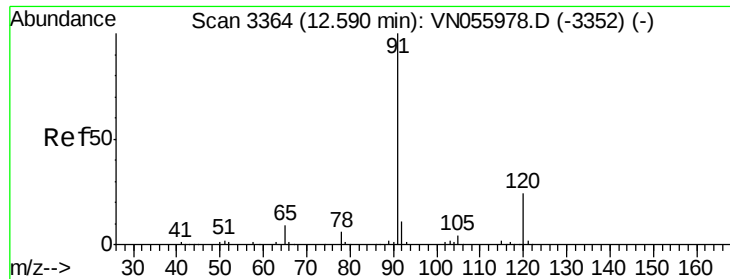
MMDadoda
 6/11/2019 11:59:49 AM



#77
 Bromobenzene
 Concen: 49.306 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Tgt Ion: 156 Resp: 179735
 Ion Ratio Lower Upper
 156 100
 77 175.7 90.8 272.5
 158 97.4 49.3 147.8





#78

n-propylbenzene

Concen: 47.730 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 91 Resp: 687516

Ion Ratio Lower Upper

91 100

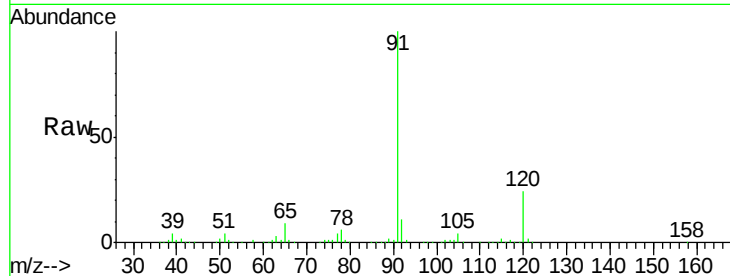
120 24.3 12.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3352) (-)

12.59

400000

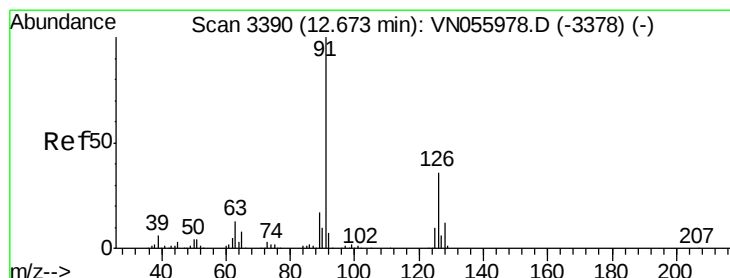
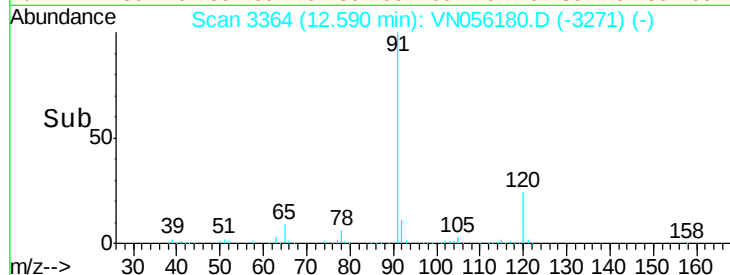
300000

200000

100000

0

Time-->



#79

2-Chlorotoluene

Concen: 53.328 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056180.D

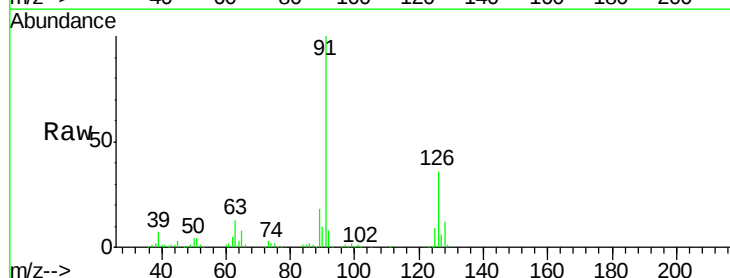
Acq: 10 Jun 2019 19:34

Tgt Ion: 91 Resp: 424830

Ion Ratio Lower Upper

91 100

126 36.4 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)

12.67

400000

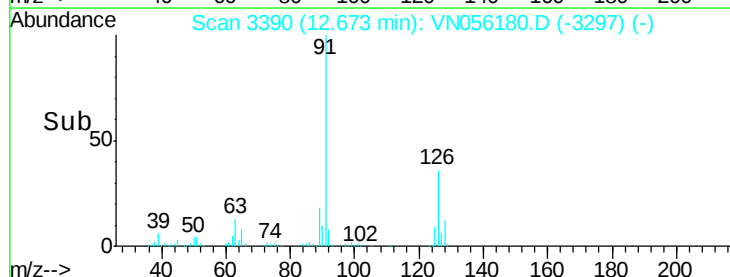
300000

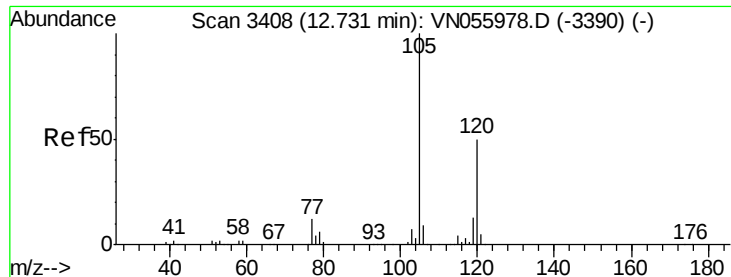
200000

100000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 46.499 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:105 Resp: 532310

Ion Ratio Lower Upper

105 100

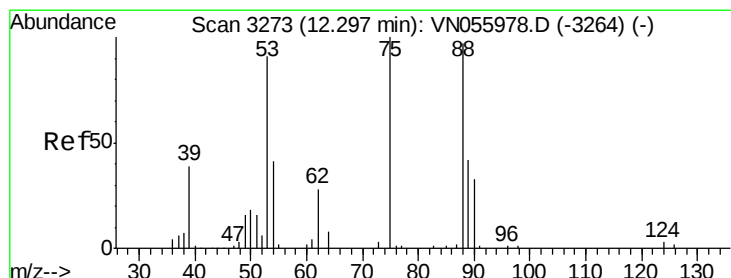
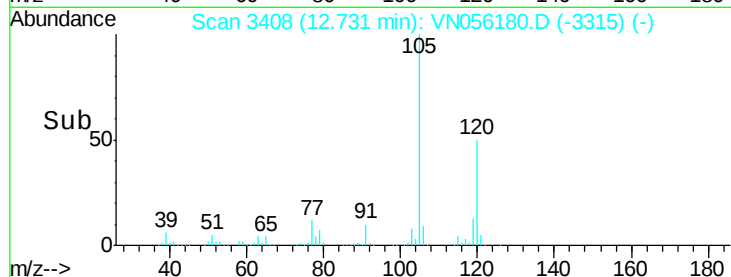
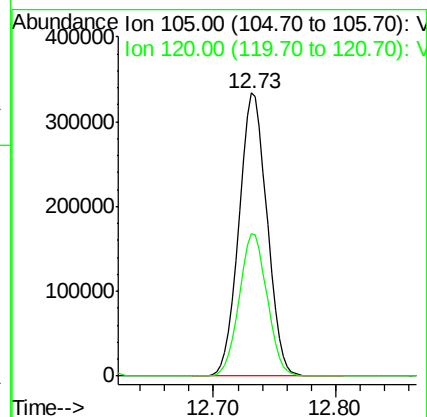
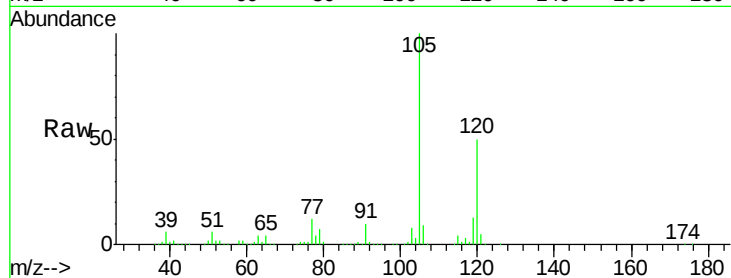
120 50.2 24.7 74.1

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#81

trans-1,4-Dichloro-2-butene

Concen: 51.025 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

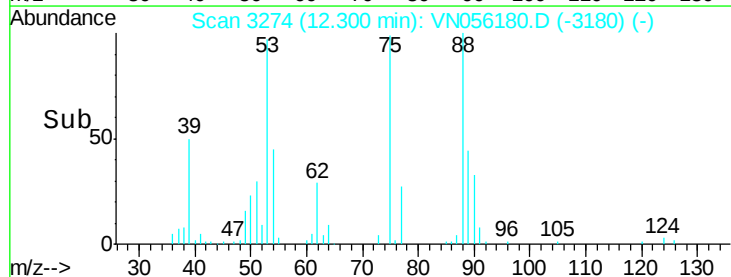
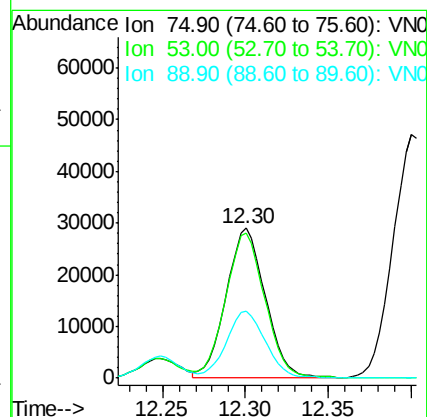
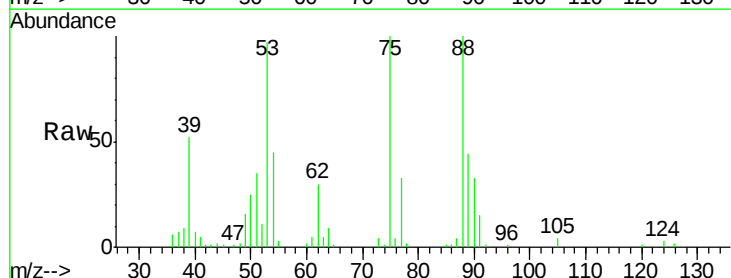
Tgt Ion: 75 Resp: 48003

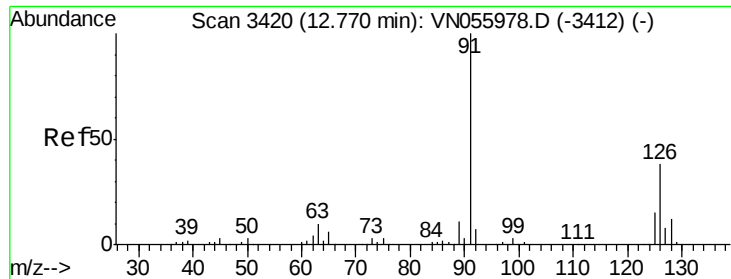
Ion Ratio Lower Upper

75 100

53 96.8 68.1 102.1

89 44.4 36.9 55.3





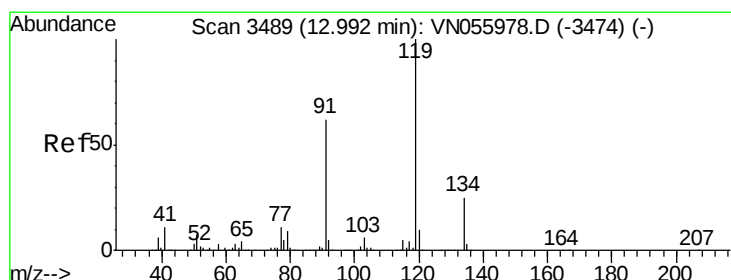
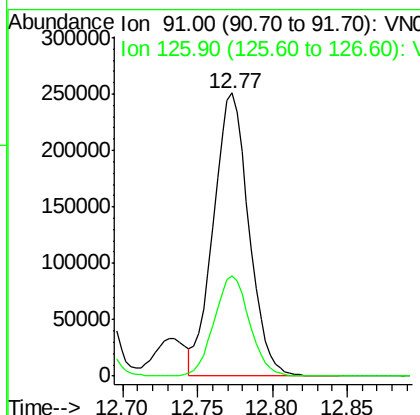
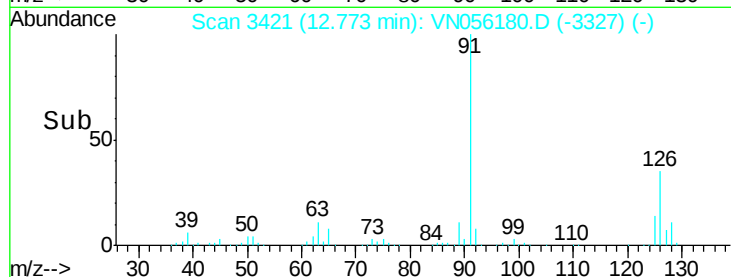
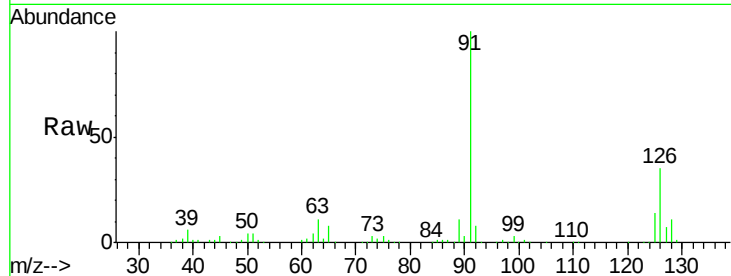
#82
4-Chlorotoluene
Concen: 48.941 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 91 Resp: 412430
Ion Ratio Lower Upper
91 100
126 35.5 17.8 53.3

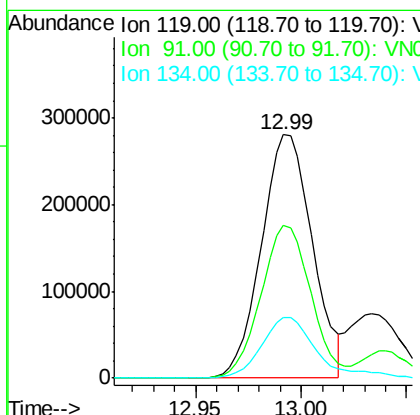
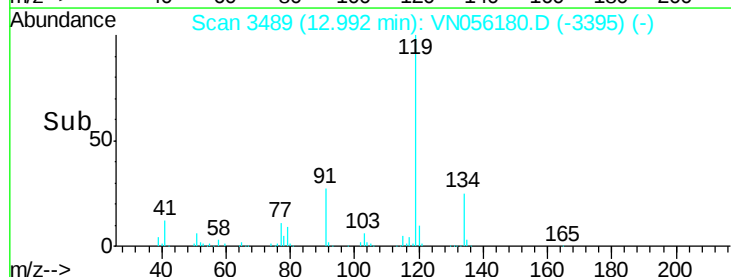
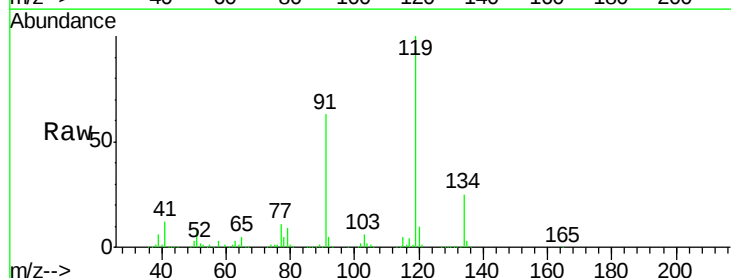
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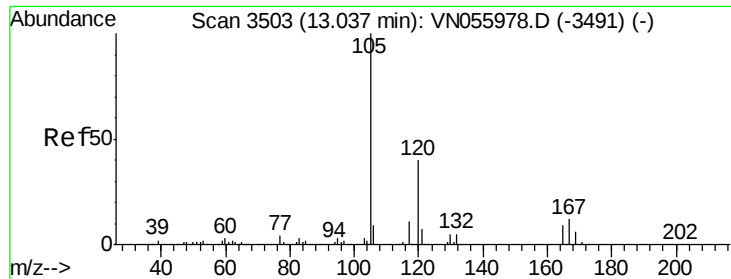
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#83
tert-Butylbenzene
Concen: 53.304 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion: 119 Resp: 471863
Ion Ratio Lower Upper
119 100
91 61.4 30.9 92.8
134 27.1 13.3 39.8





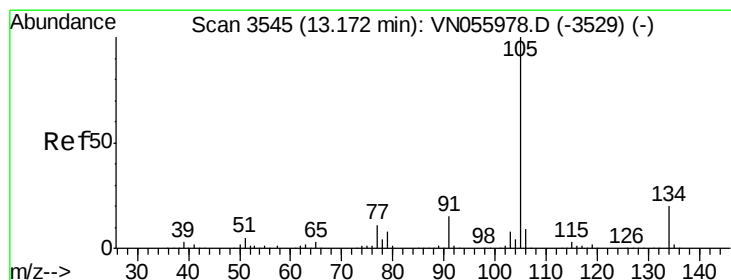
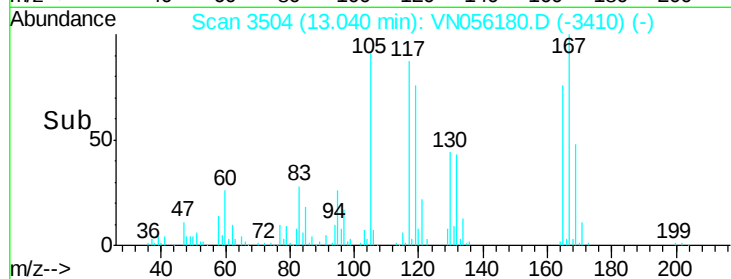
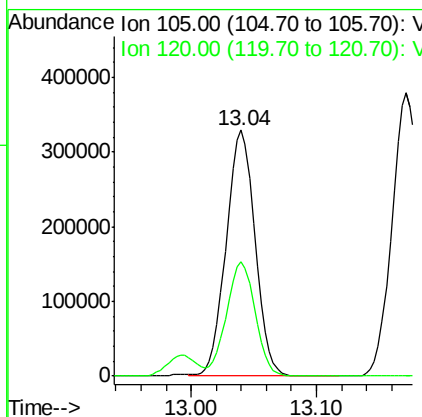
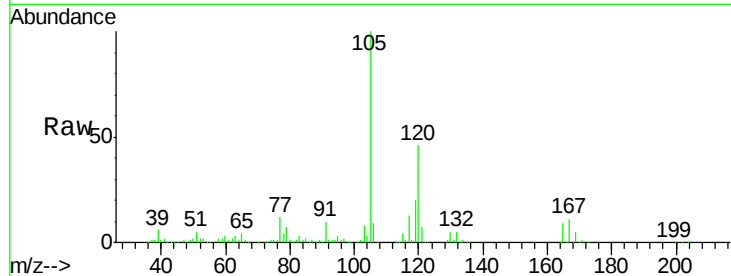
#84
1,2,4-Trimethylbenzene
Concen: 48.395 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.0	69.0

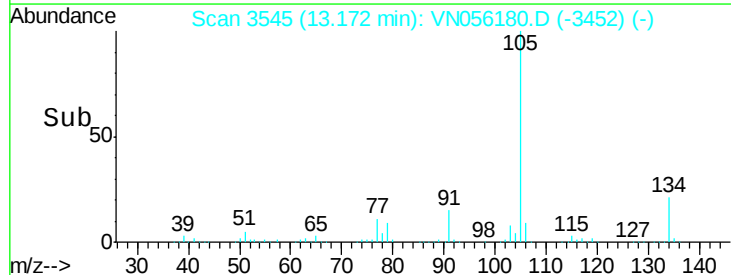
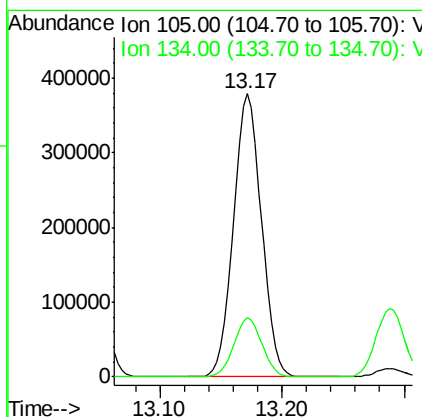
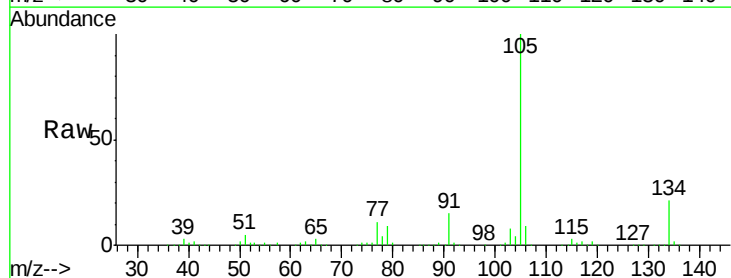
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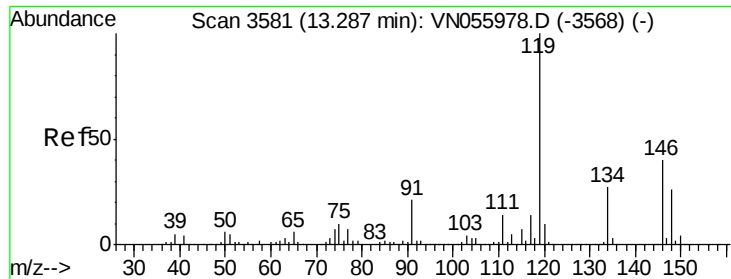
MMDadoda
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#85
sec-Butylbenzene
Concen: 47.266 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.2





#86

p-Isopropyltoluene

Concen: 47.516 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

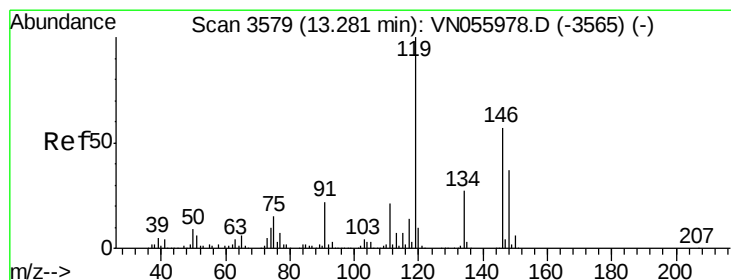
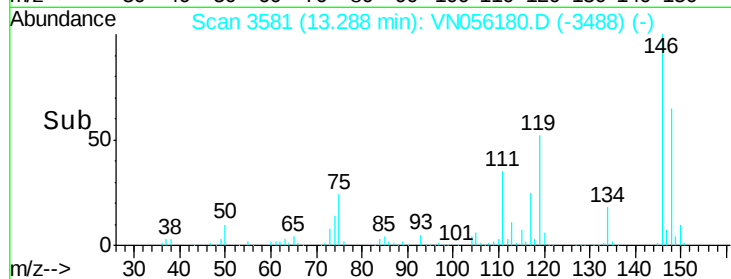
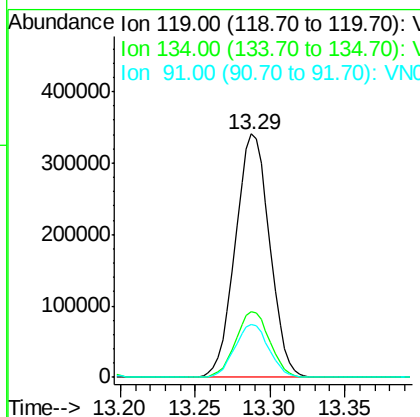
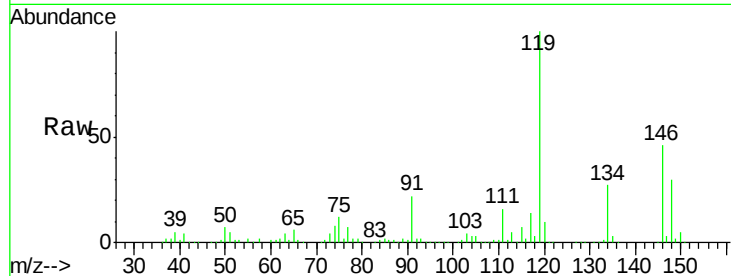
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	119	Resp:	542464
Ion Ratio		Lower	Upper
119	100		
134	27.1	13.4	40.1
91	21.6	10.9	32.9

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#87

1,3-Dichlorobenzene

Concen: 50.088 ug/l

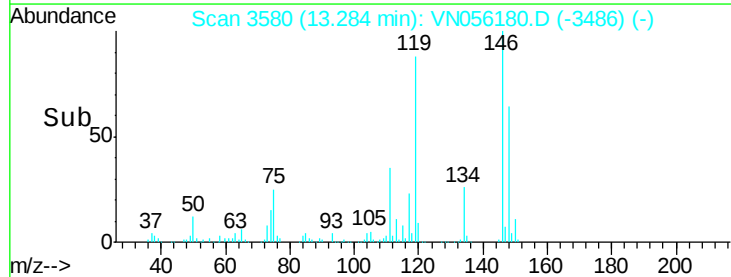
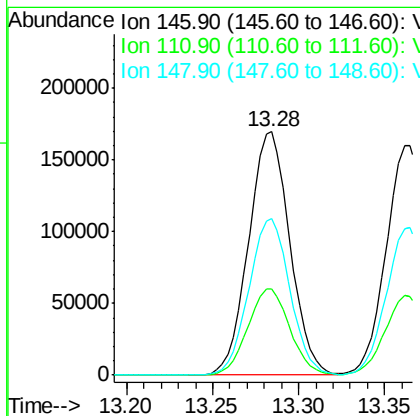
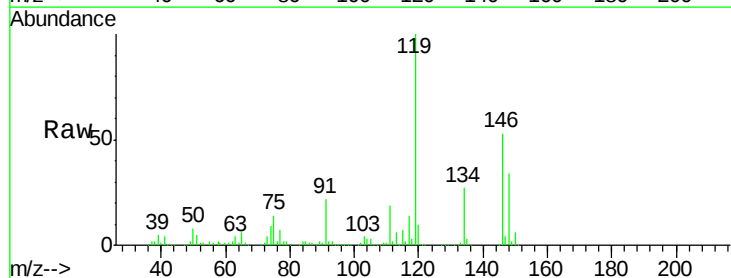
RT: 13.28 min Scan# 3580

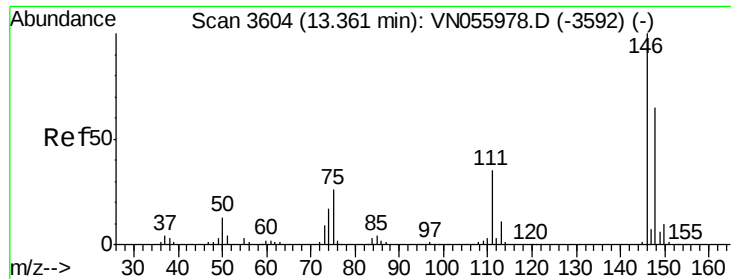
Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Tgt Ion:	146	Resp:	282590
Ion Ratio		Lower	Upper
146	100		
111	36.0	18.5	55.5
148	64.0	32.0	96.2





#88

1,4-Dichlorobenzene

Concen: 49.947 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

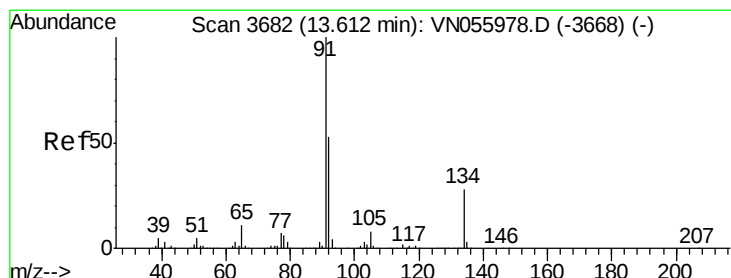
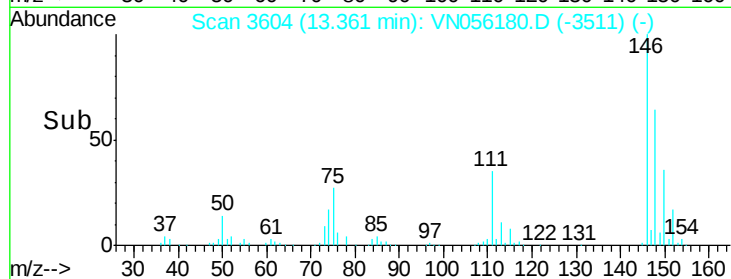
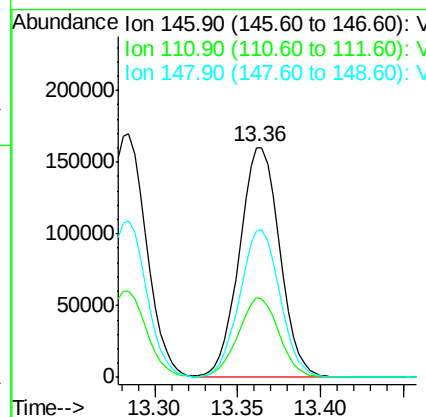
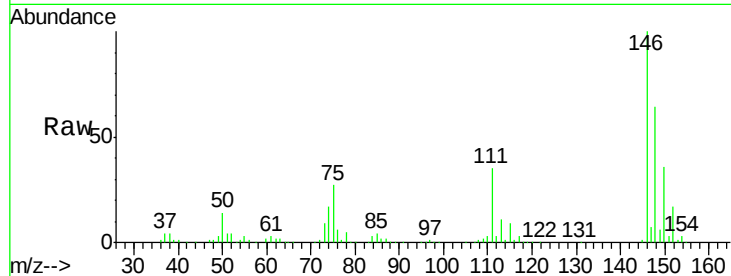
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	146	Resp:	271074
Ion Ratio	Lower	Upper	
146	100		
111	34.8	18.1	54.4
148	64.2	32.1	96.5

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#89

n-Butylbenzene

Concen: 46.841 ug/l

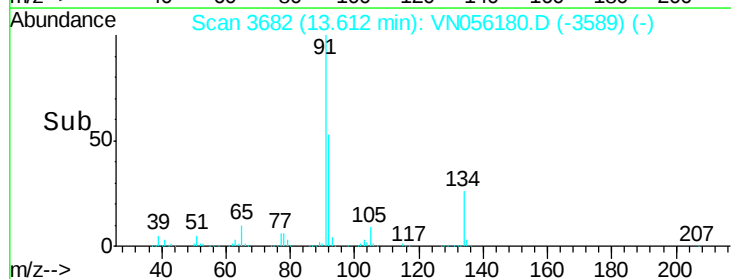
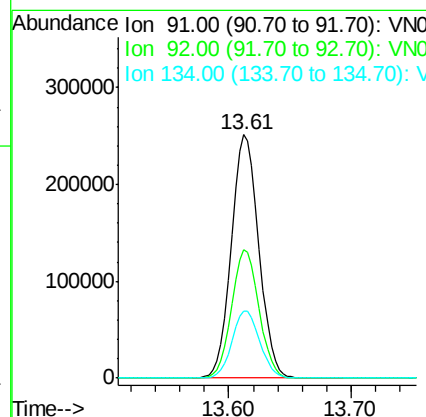
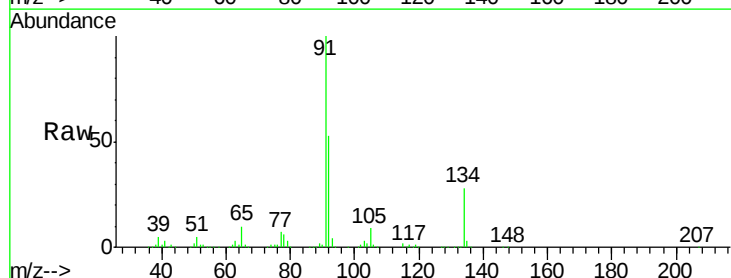
RT: 13.61 min Scan# 3682

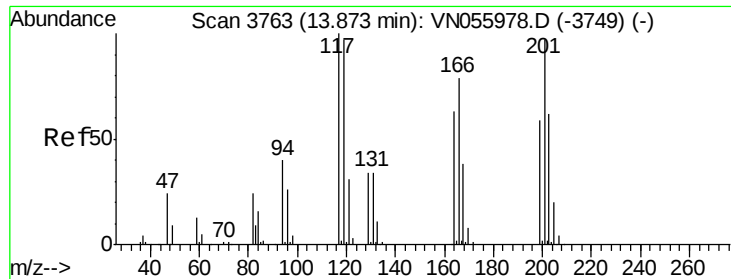
Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Tgt Ion:	91	Resp:	396137
Ion Ratio	Lower	Upper	
91	100		
92	52.6	26.4	79.0
134	27.7	13.9	41.7





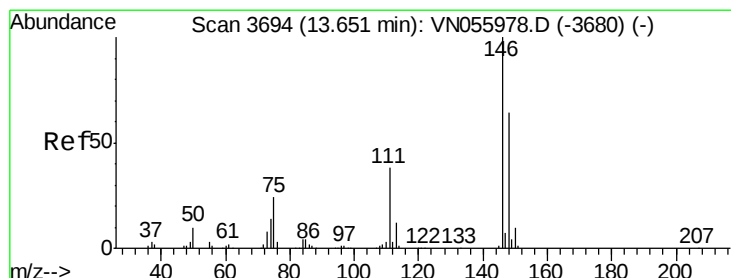
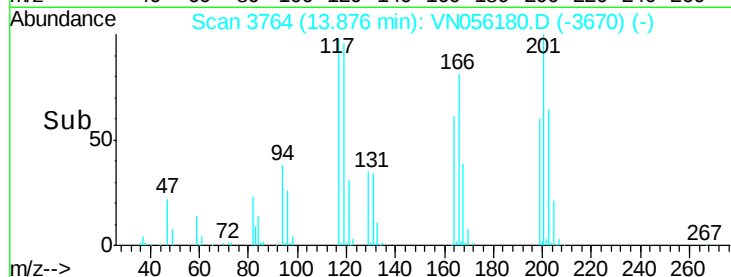
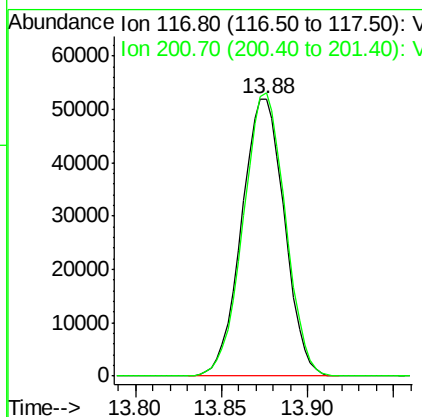
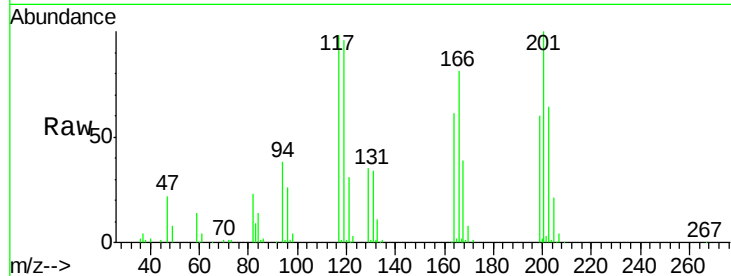
#90
Hexachloroethane
Concen: 52.192 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:117 Resp: 89859
Ion Ratio Lower Upper
117 100
201 100.3 50.0 150.0

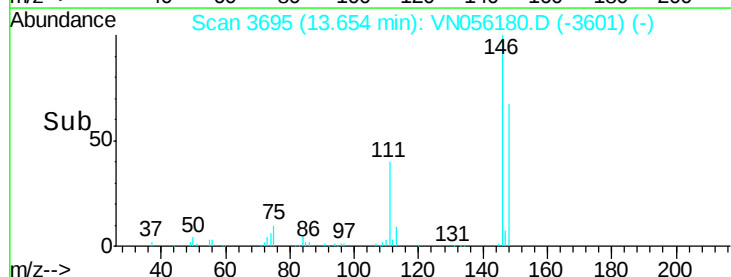
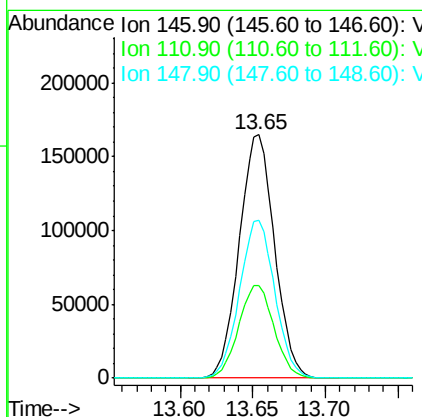
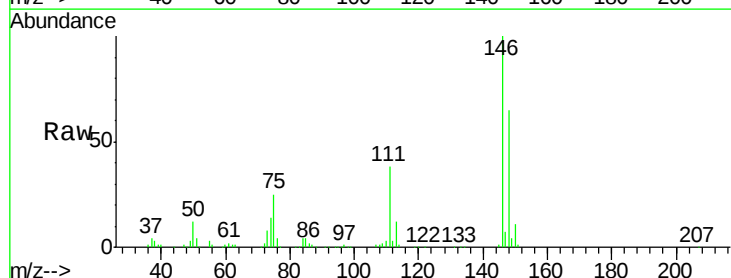
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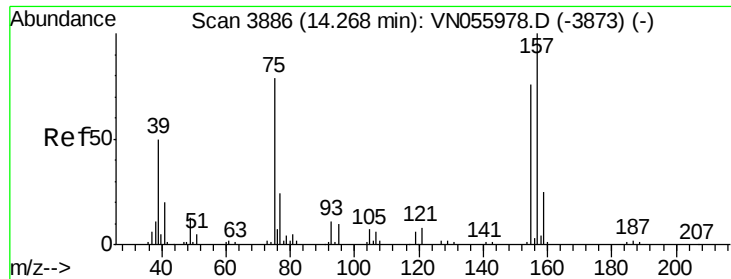
MMDadoda
6/11/2019 11:59:49 AM



#91
1,2-Dichlorobenzene
Concen: 49.085 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion:146 Resp: 279595
Ion Ratio Lower Upper
146 100
111 38.0 19.1 57.5
148 64.6 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 57.704 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

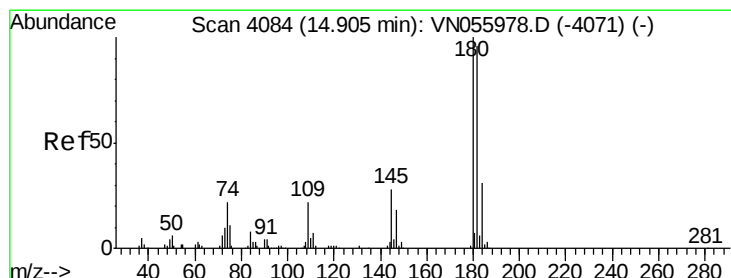
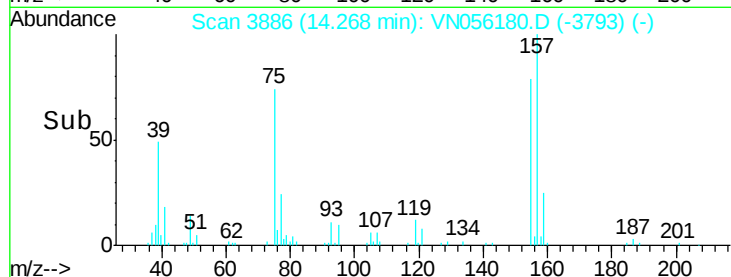
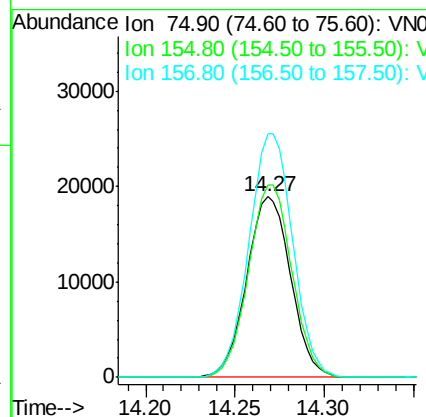
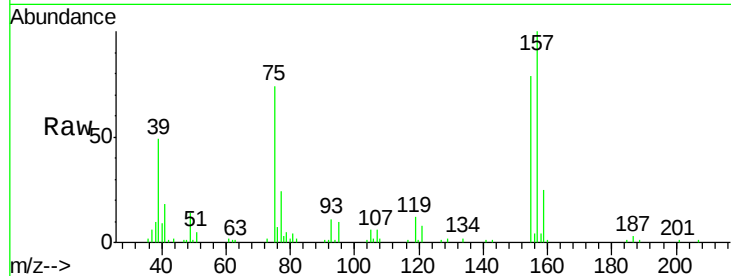
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	75	Resp:	32622
Ion	Ratio	Lower	Upper
75	100		
155	105.1	50.0	150.1
157	134.2	64.8	194.3

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#93

1,2,4-Trichlorobenzene

Concen: 42.862 ug/l

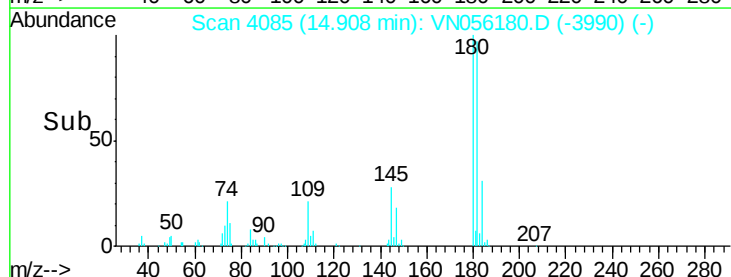
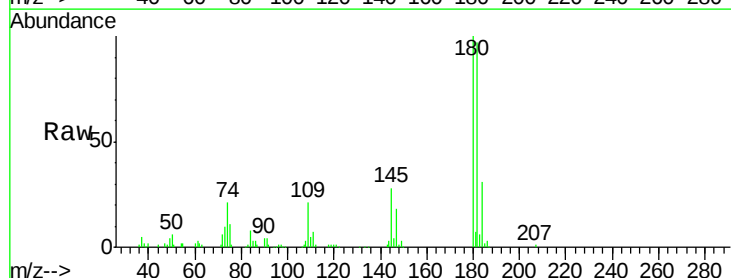
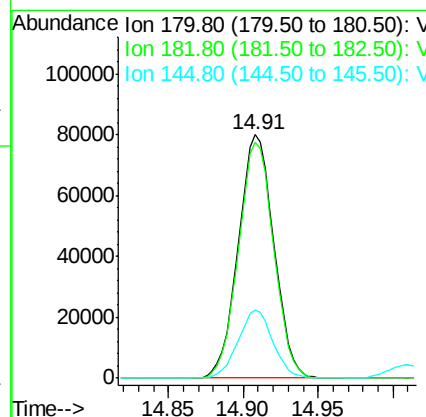
RT: 14.91 min Scan# 4085

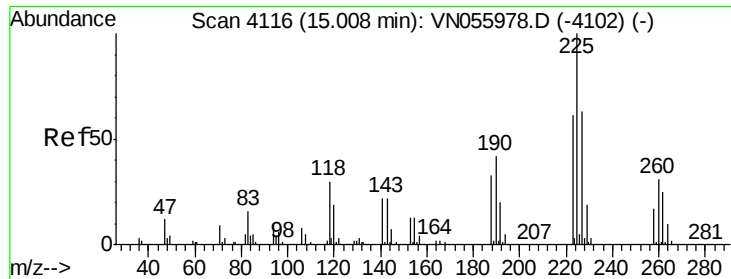
Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Tgt Ion:	180	Resp:	132448
Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.3	144.9
145	27.2	14.0	41.9





#94

Hexachlorobutadiene

Concen: 50.561 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

Instrument :

MSVOA_N

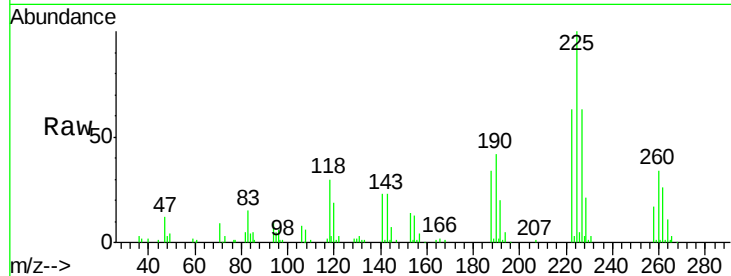
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

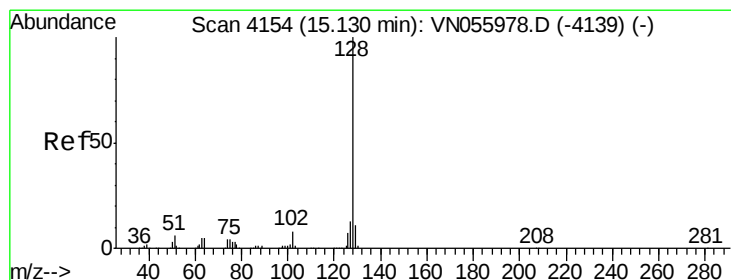
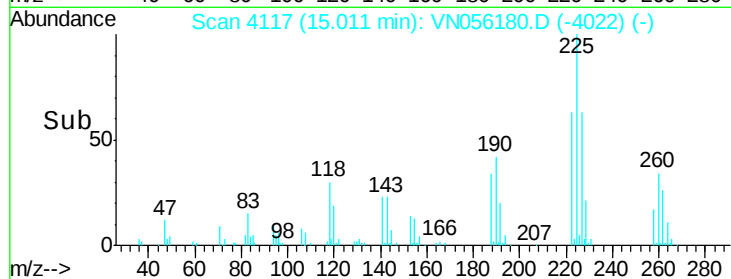
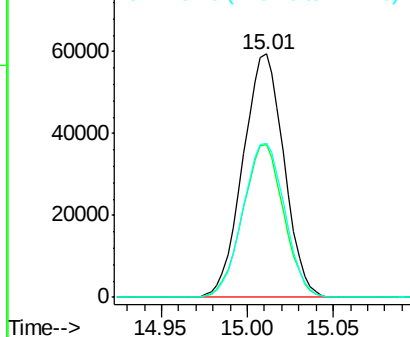
Tot Ion:	225	Resp:	98733
Ion Ratio		Lower	Upper
225	100		
223	62.5	30.9	92.7
227	64.5	31.6	94.7

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 45.465 ug/l

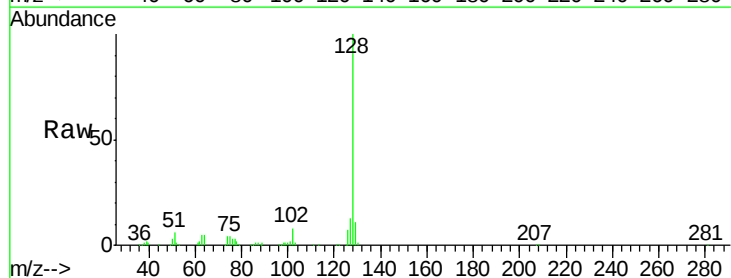
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

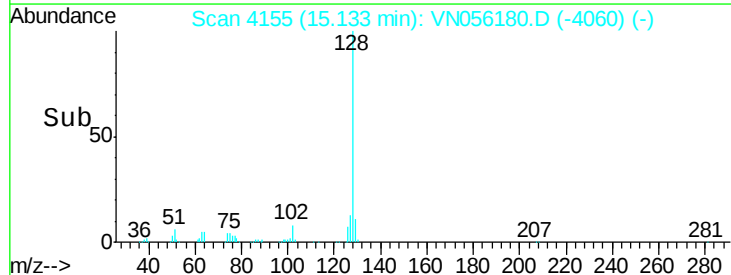
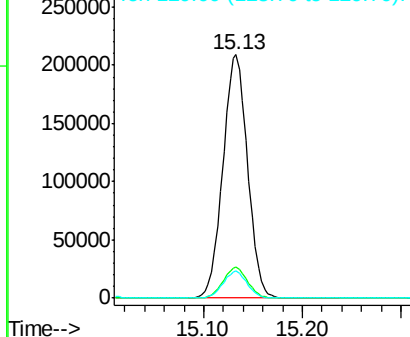
Lab File: VN056180.D

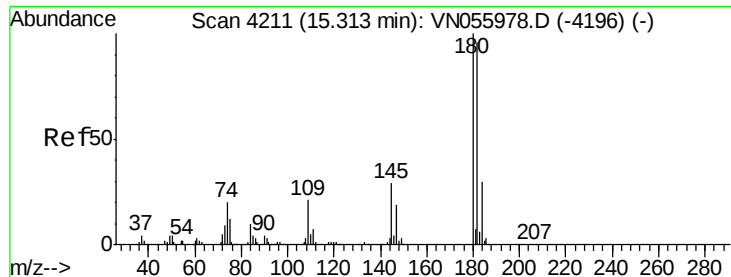
Acq: 10 Jun 2019 19:34

Tgt Ion:	128	Resp:	367173
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





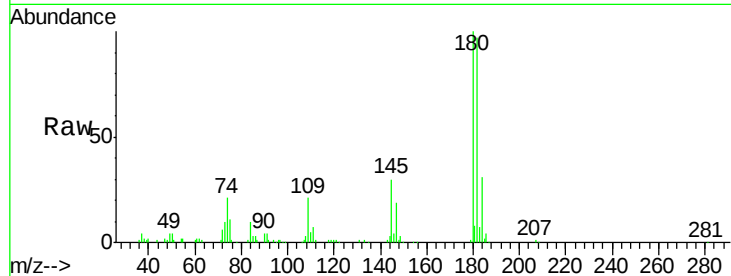
#96
 1,2,3-Trichlorobenzene
 Concen: 46.529 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	96.5	47.9	143.7		
145	29.1	14.9	44.7		

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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

