

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

Quant Time: Jun 11 02:22:31 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	146284	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	7.59	113	135012	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
50) Toluene-d8	10.09	98	495181	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.40	95	170816	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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
58) 2-Chloroethyl Vinyl ether	9.73	63	673	15.285	ug/l #	46
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	233313	74.471	ug/l #	100
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

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Response via : Initial Calibration

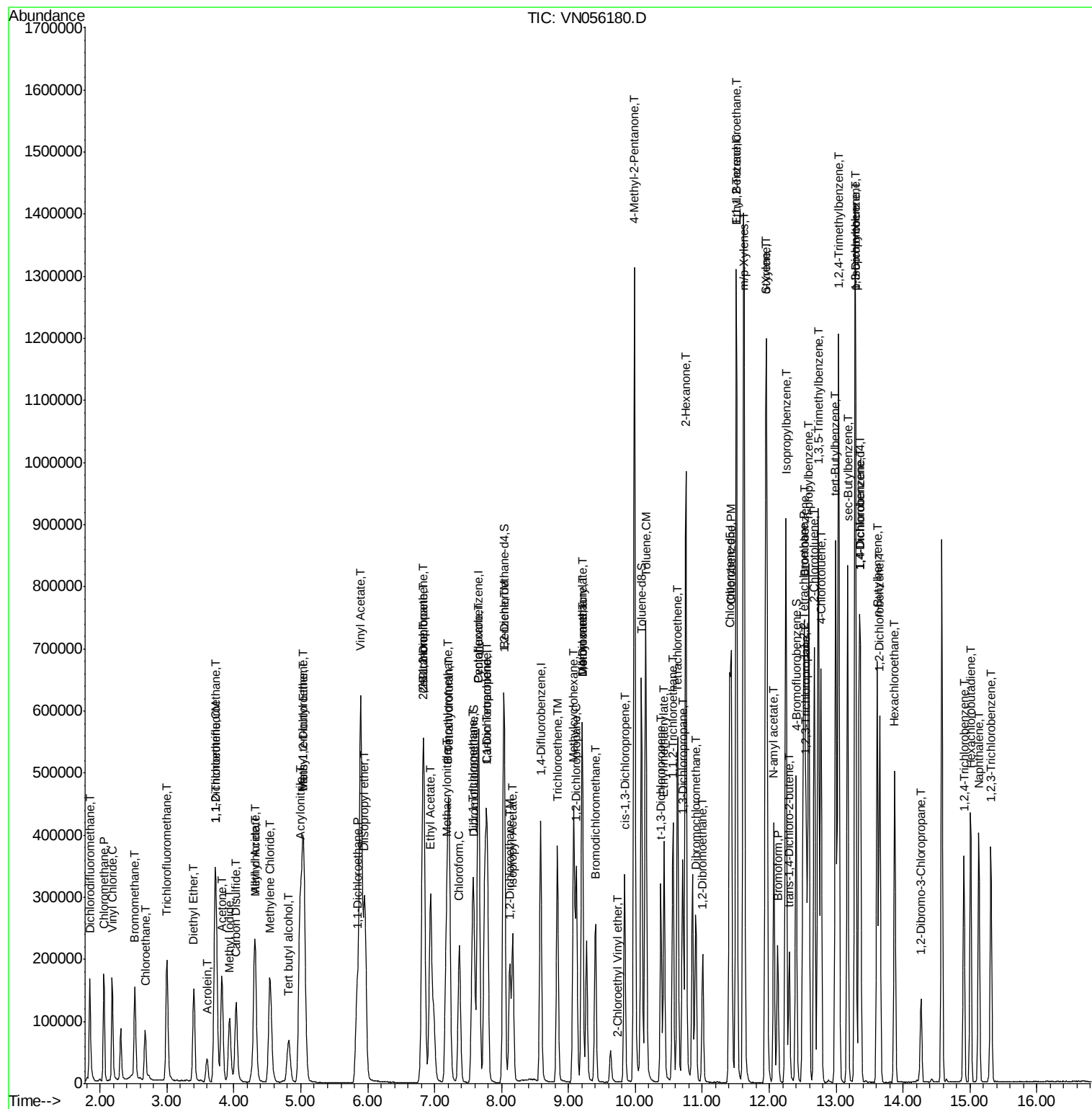
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132448	42.862	ug/l	99
94) Hexachlorobutadiene	15.01	225	98733	50.561	ug/l	99
95) Naphthalene	15.13	128	367173	45.465	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	148126	46.529	ug/l	99

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

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#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 :

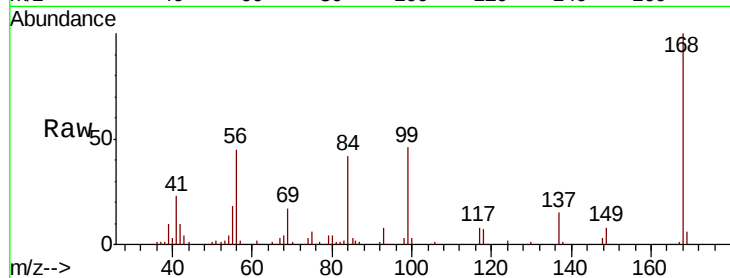
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:168 Resp: 284342

Ion Ratio Lower Upper

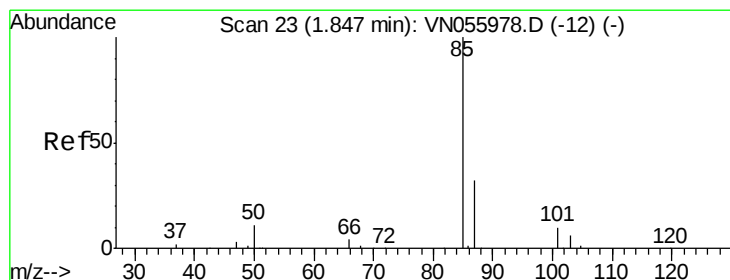
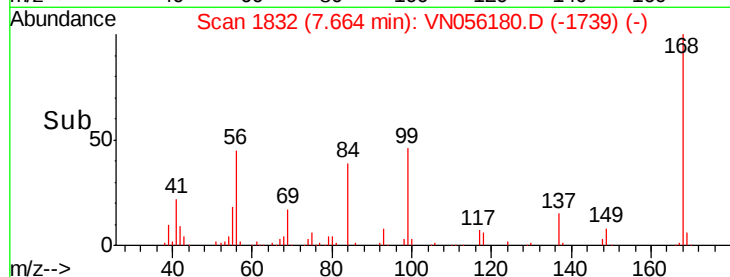
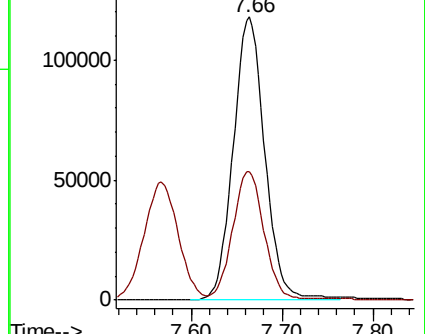
168 100

99 45.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.261 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056180.D

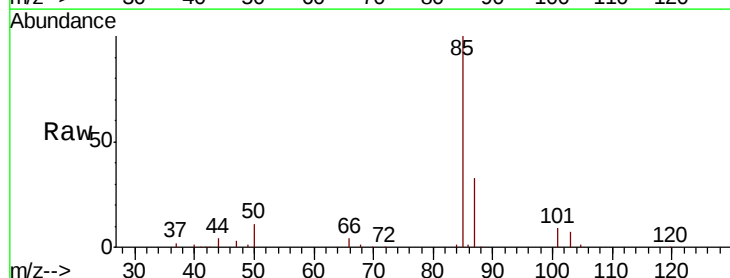
Acq: 10 Jun 2019 19:34

Tgt Ion: 85 Resp: 147571

Ion Ratio Lower Upper

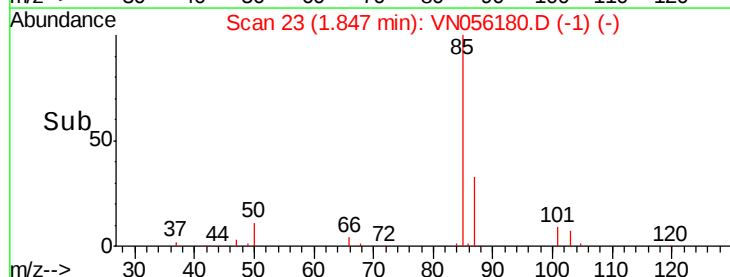
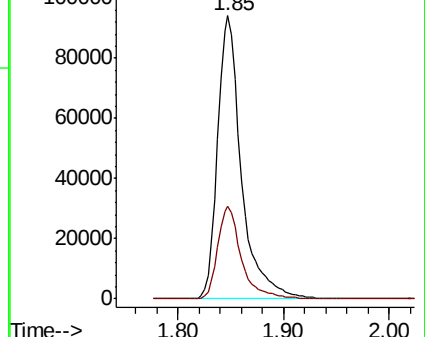
85 100

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





#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 :

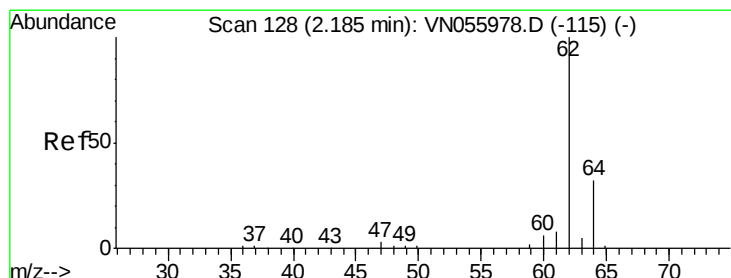
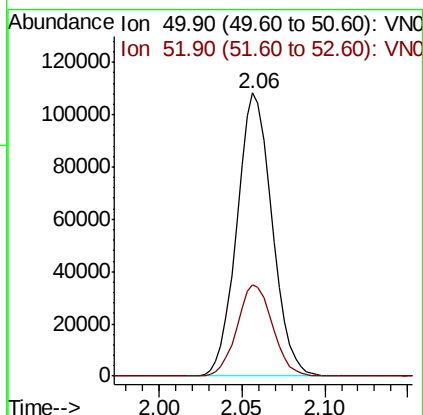
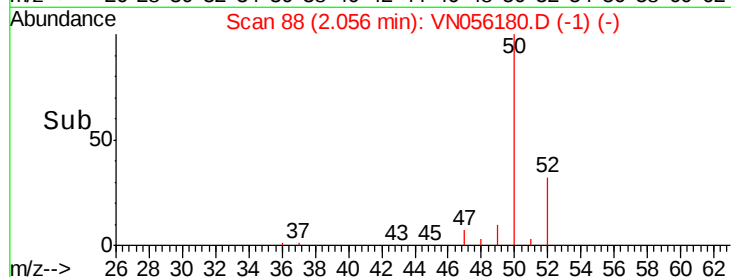
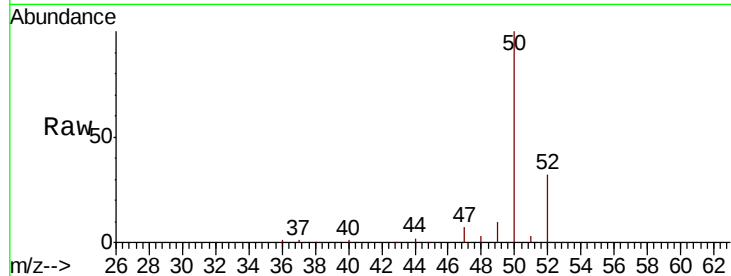
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 50 Resp: 159645

Ion Ratio Lower Upper

50 100

52 32.4 26.6 40.0



#4

Vinyl Chloride

Concen: 50.813 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056180.D

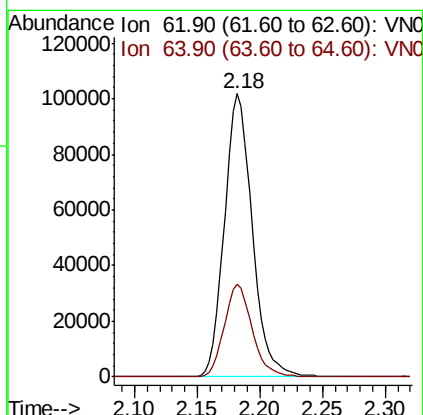
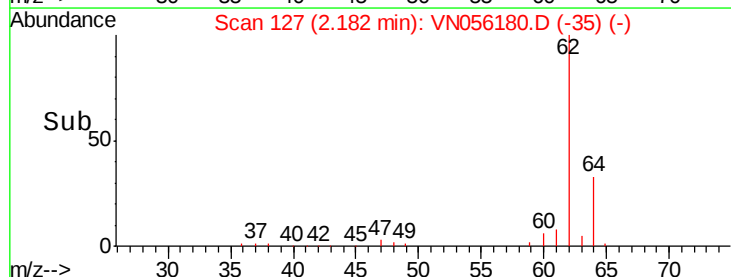
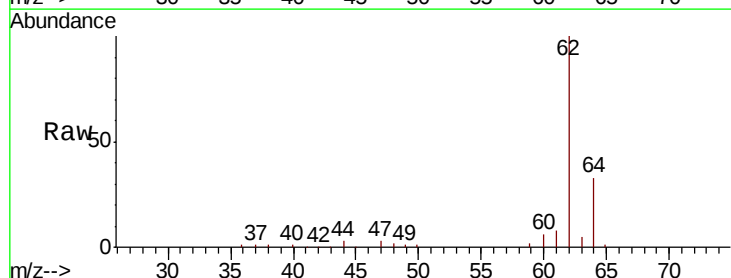
Acq: 10 Jun 2019 19:34

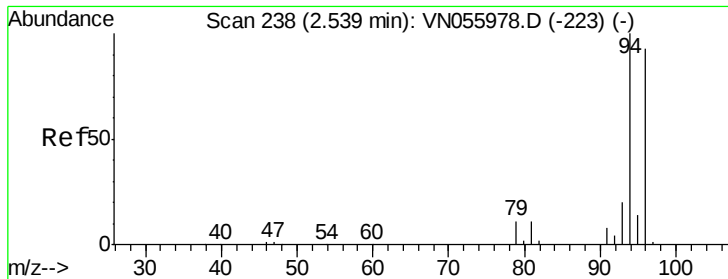
Tgt Ion: 62 Resp: 157103

Ion Ratio Lower Upper

62 100

64 32.9 25.6 38.4

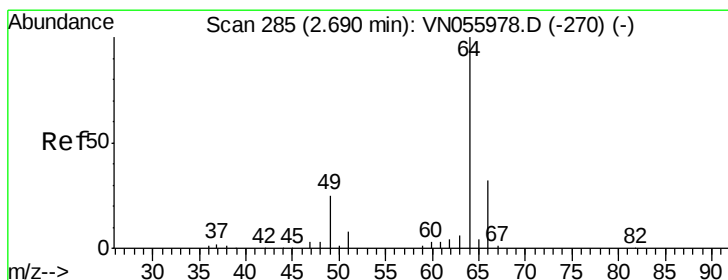
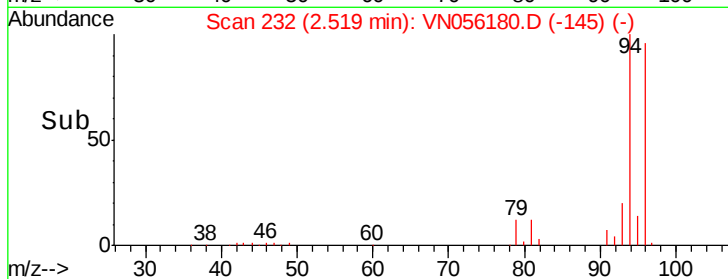
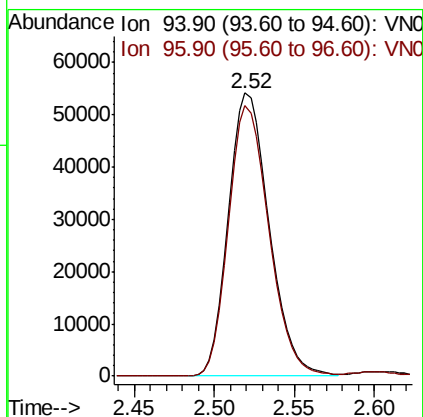
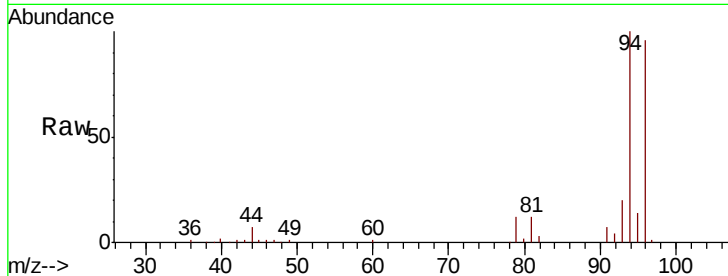




#5
Bromomethane
Concen: 48.297 ug/l
RT: 2.52 min Scan# 232
Delta R.T. -0.02 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

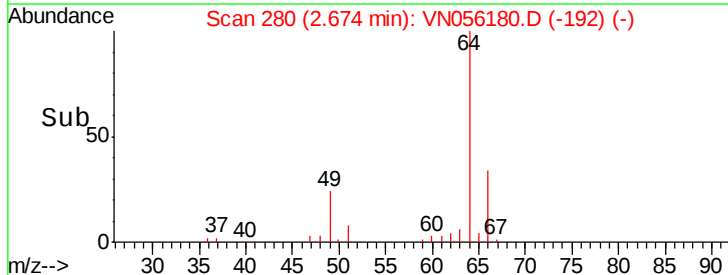
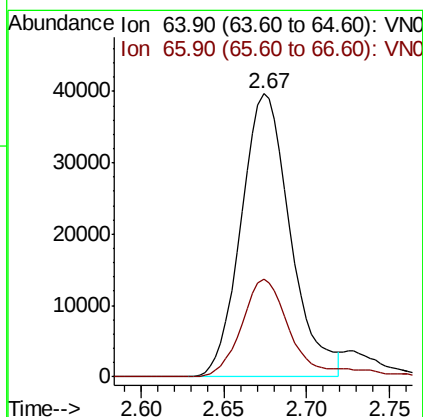
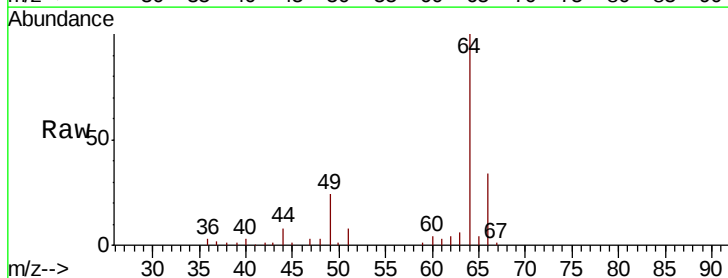
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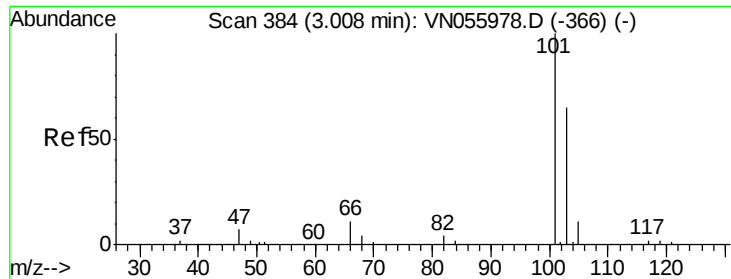
Tot Ion: 94 Resp: 94328
Ion Ratio Lower Upper
94 100
96 95.7 75.5 113.3



#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



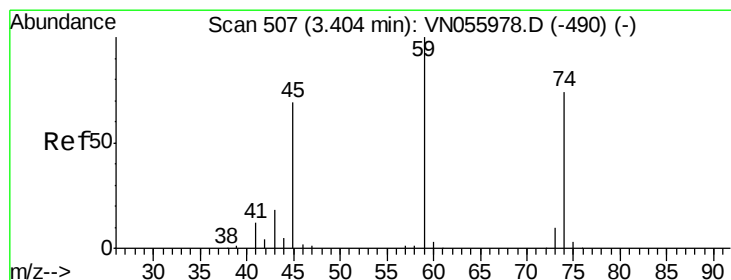
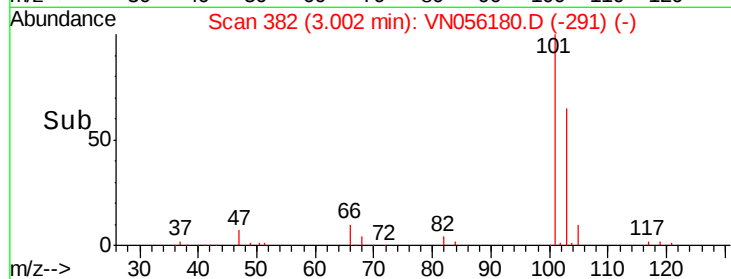
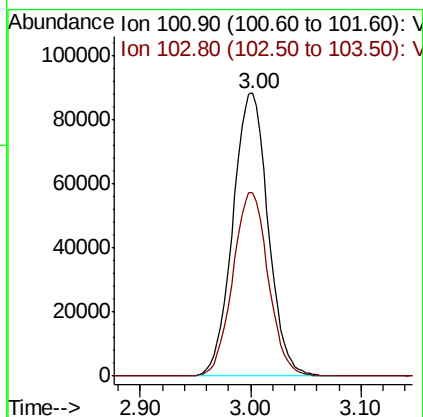
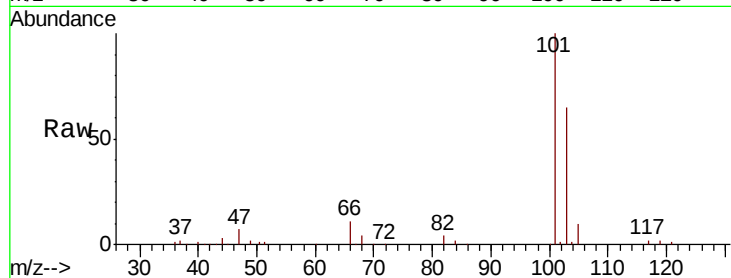


#7

Trichlorofluoromethane
 Concen: 49.650 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN056180.D
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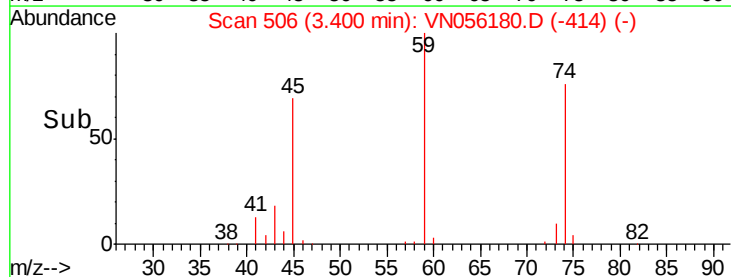
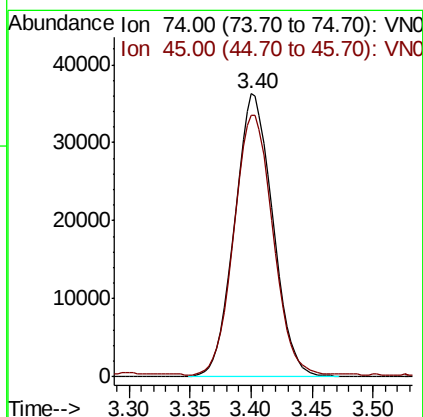
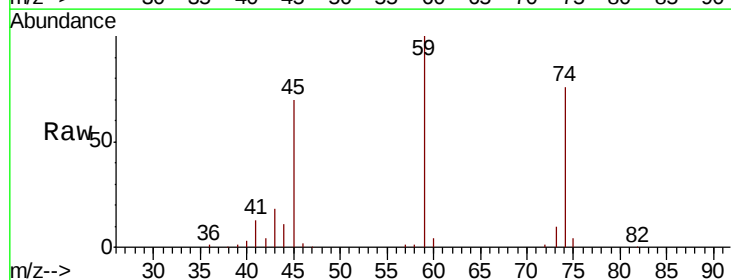
Tot Ion:101 Resp: 195970
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.2 76.8

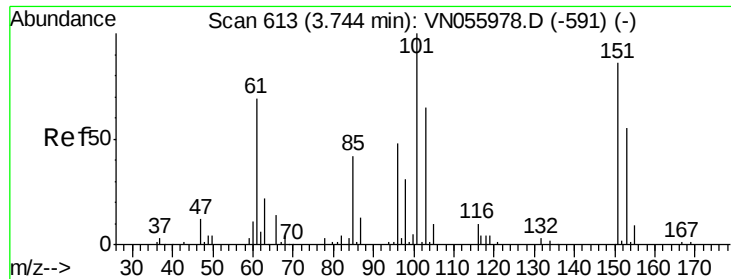


#8

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: 74 Resp: 78491
 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 :

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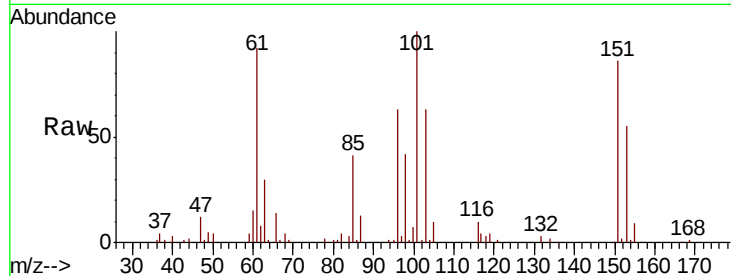
Tot Ion:101 Resp: 122321

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.2

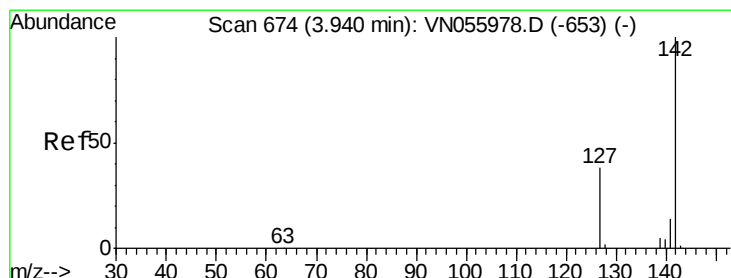
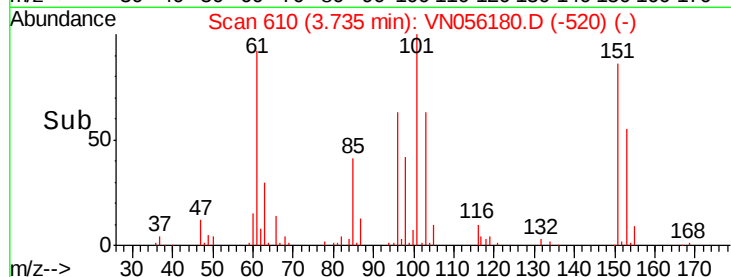
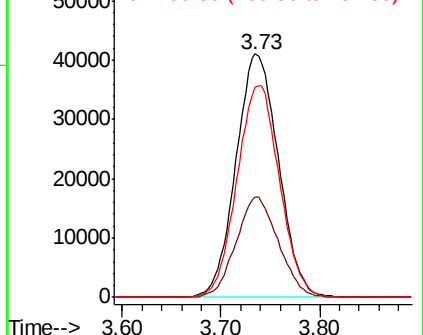
151 87.1 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#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

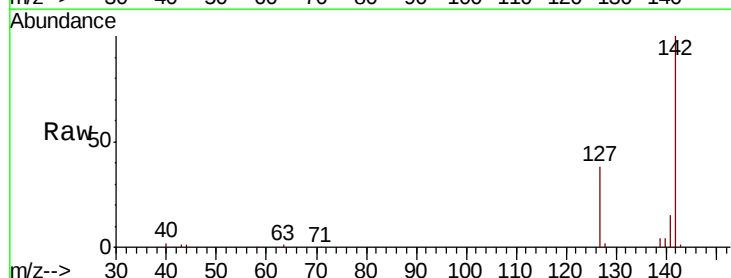
Tgt Ion:142 Resp: 183212

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.4

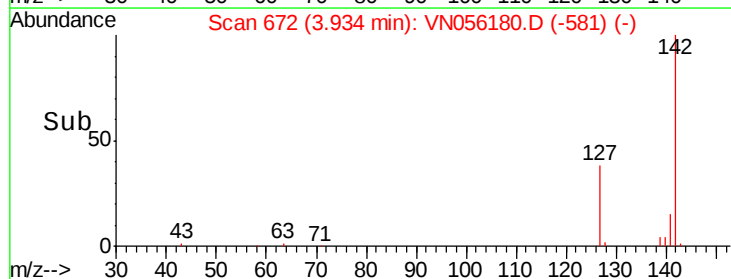
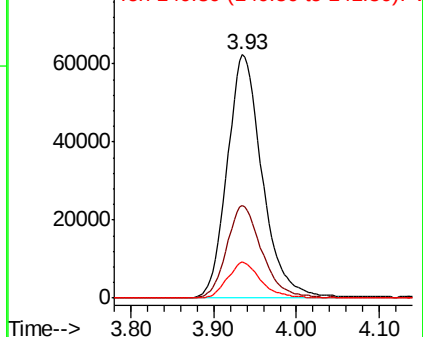
141 14.2 11.4 17.0

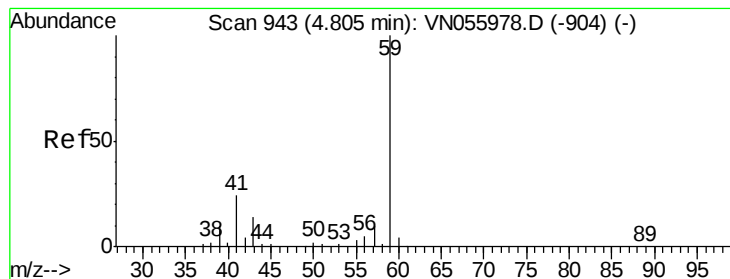


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



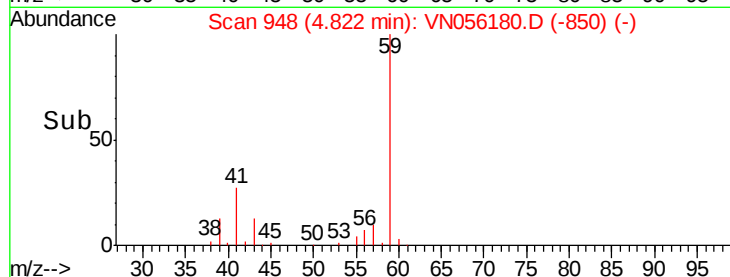
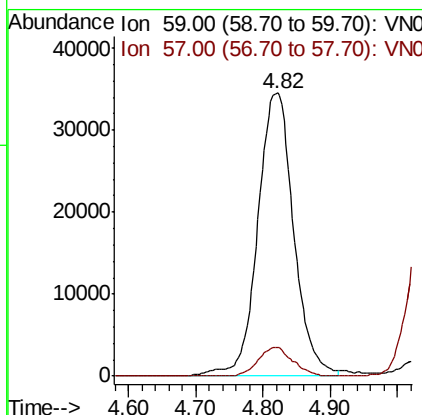
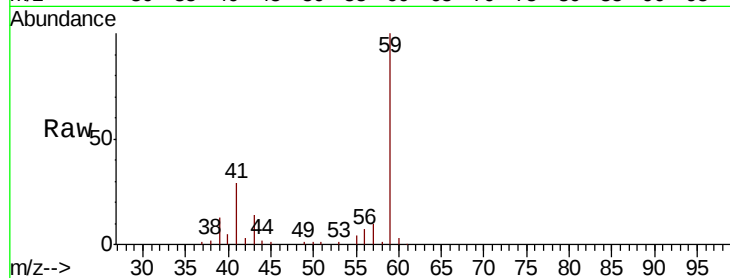


#11

Tert butyl alcohol
 Concen: 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

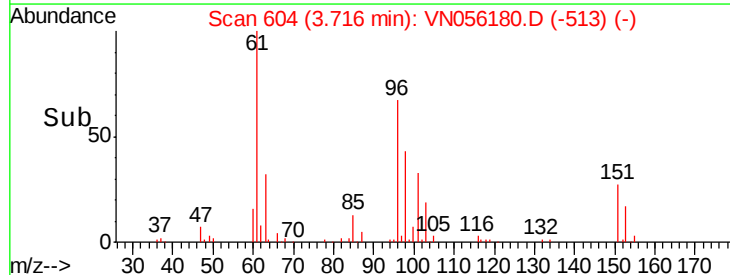
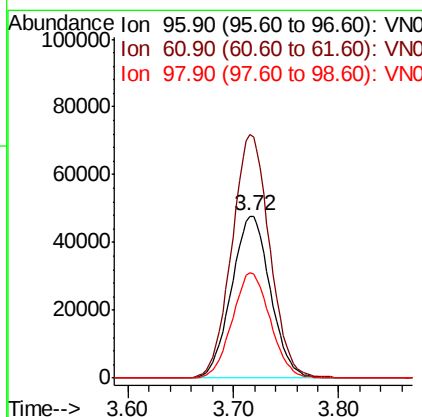
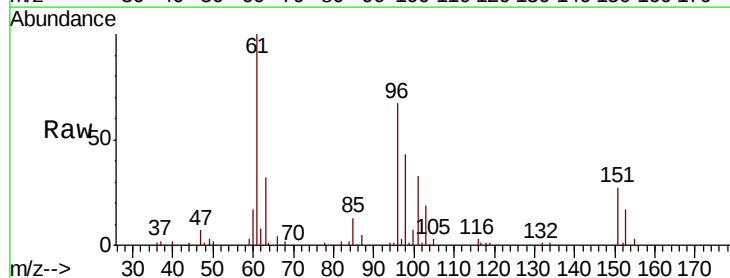
Tot Ion: 59 Resp: 128253
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.8 11.6

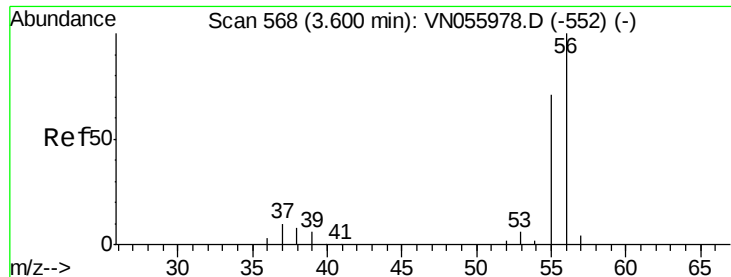


#12

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: 96 Resp: 122069
 Ion Ratio Lower Upper
 96 100
 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 :

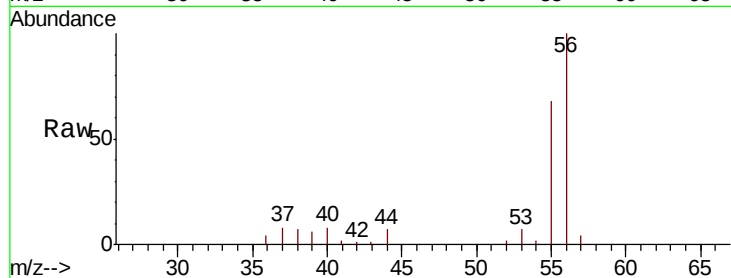
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 56 Resp: 44253

Ion Ratio Lower Upper

56 100

55 69.7 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN055978.D (-552) (-)

3.60

20000

15000

10000

5000

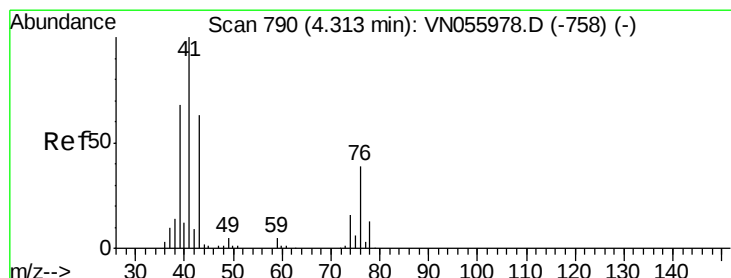
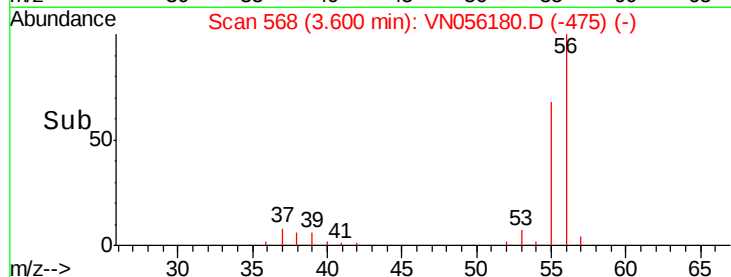
0

Time-->

3.50

3.60

3.70



#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

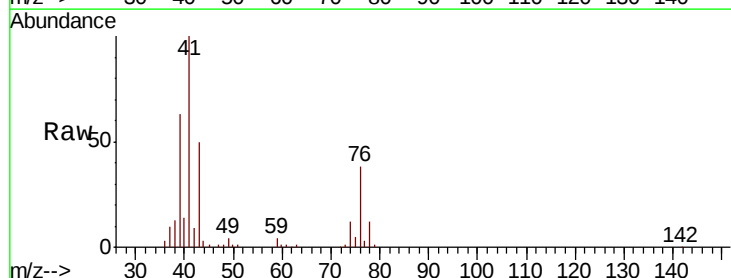
Tgt Ion: 41 Resp: 196423

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): VN055978.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-758) (-)

Ion 75.90 (75.60 to 76.60): VN055978.D (-758) (-)

4.31

80000

60000

40000

20000

0

Time-->

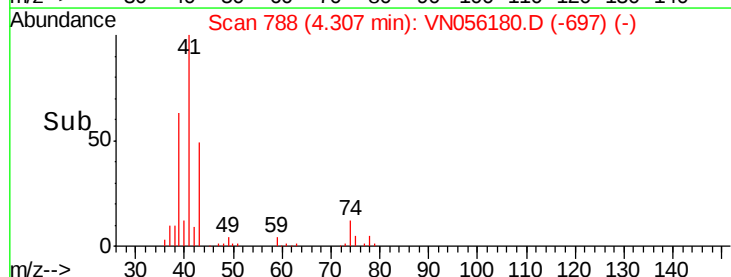
4.10

4.20

4.30

4.40

4.50





#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

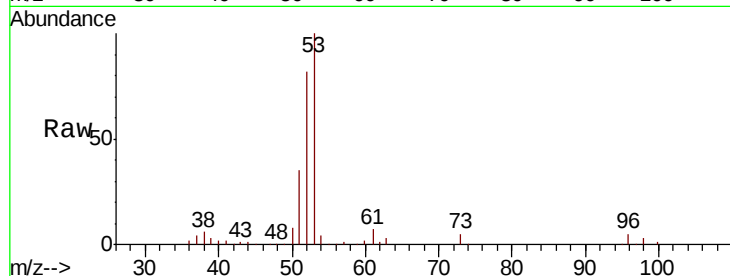
Tot Ion: 53 Resp: 356829

Ion Ratio Lower Upper

53 100

52 81.8 65.8 98.8

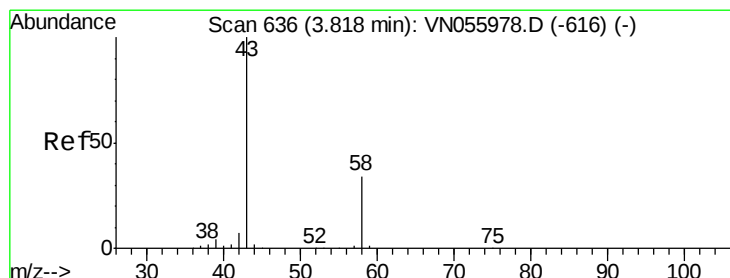
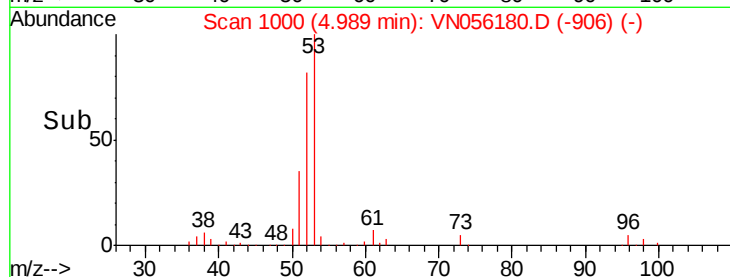
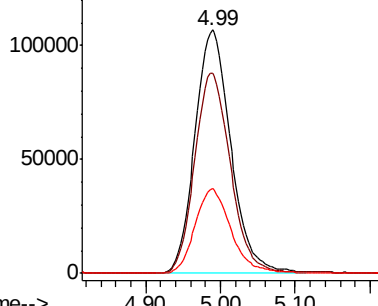
51 35.0 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055978.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN055978.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN055978.D (-976) (-)



#16

Acetone

Concen: 208.628 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056180.D

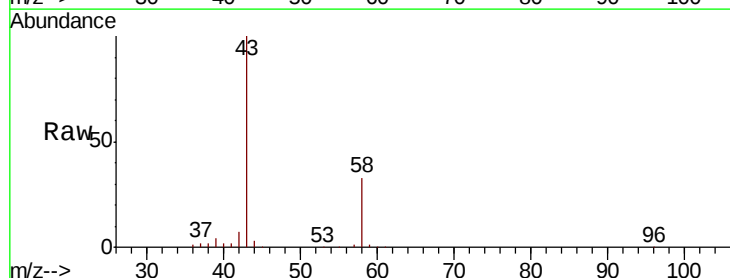
Acq: 10 Jun 2019 19:34

Tgt Ion: 43 Resp: 281707

Ion Ratio Lower Upper

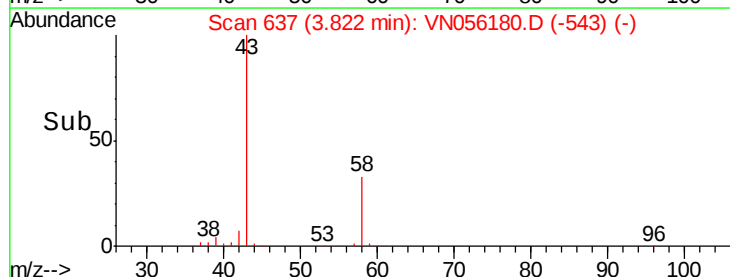
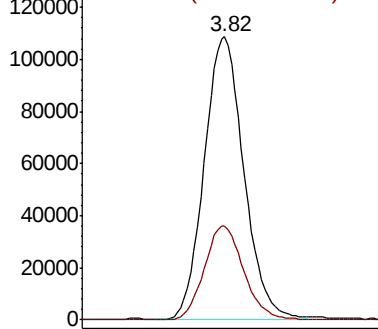
43 100

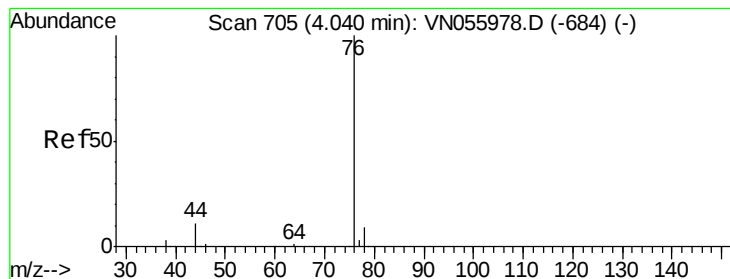
58 33.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)





#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 :

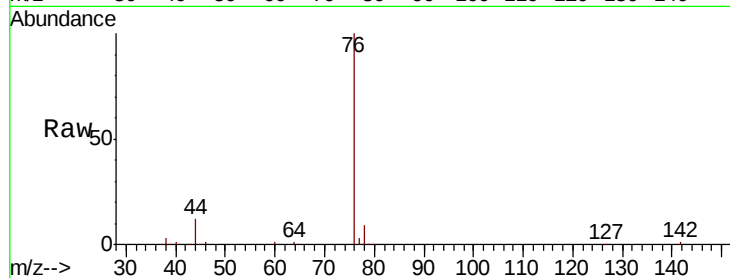
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 76 Resp: 271418

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.03

100000

80000

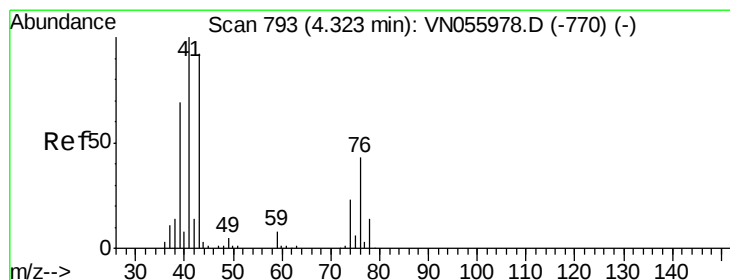
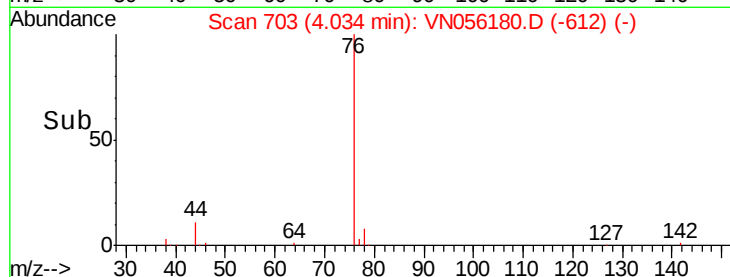
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 57.451 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056180.D

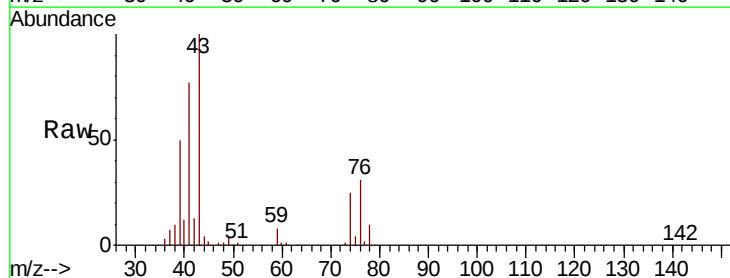
Acq: 10 Jun 2019 19:34

Tgt Ion: 43 Resp: 152151

Ion Ratio Lower Upper

43 100

74 24.5 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

60000

50000

40000

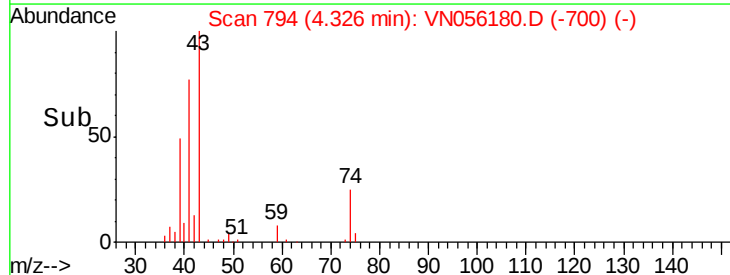
30000

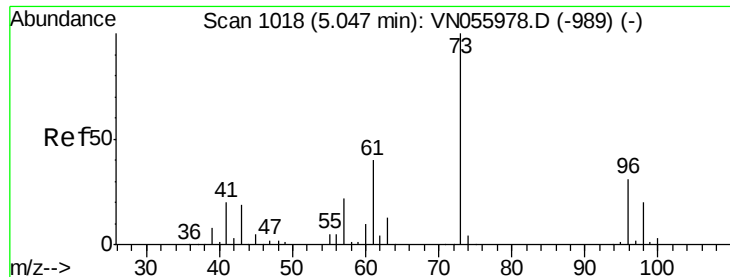
20000

10000

0

Time-->

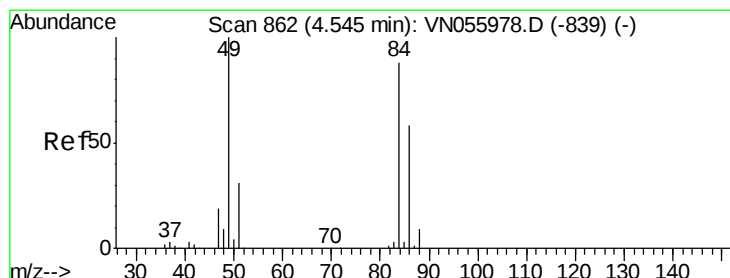
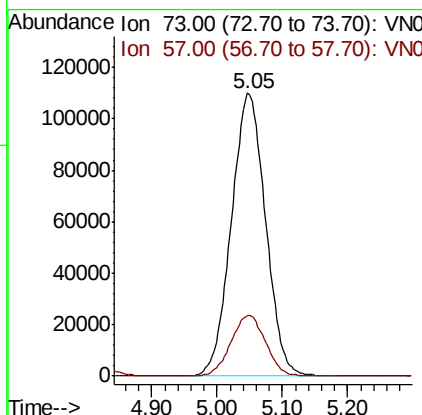
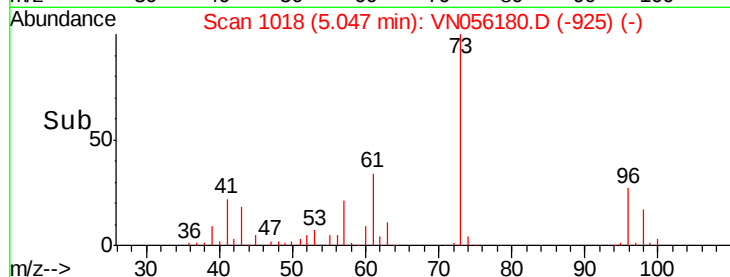
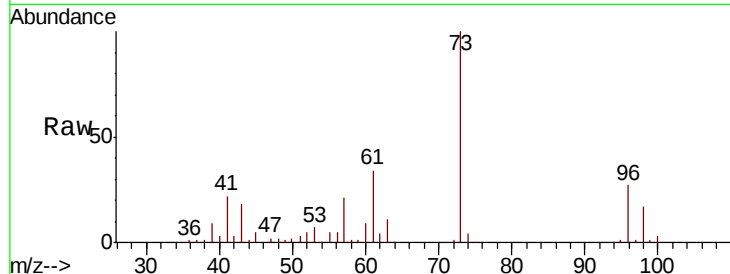




#19
Methvl tert-butvl Ether
Concen: 52.598 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

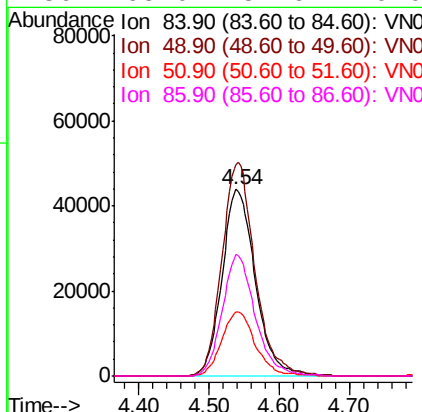
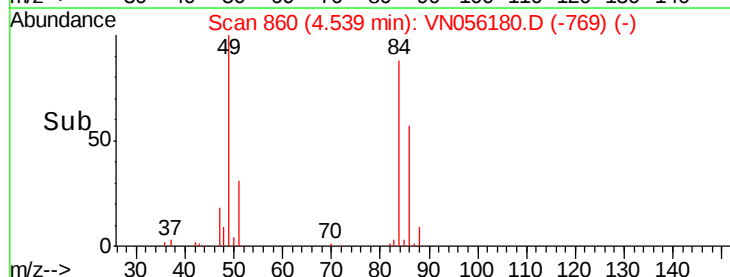
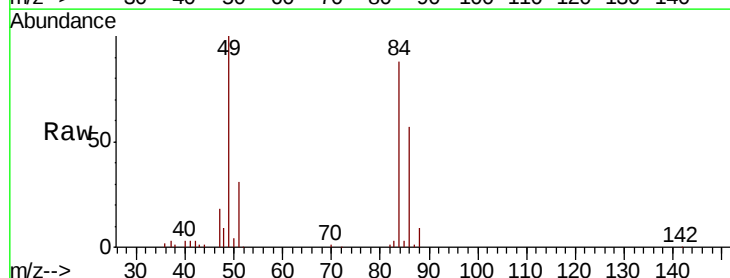
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

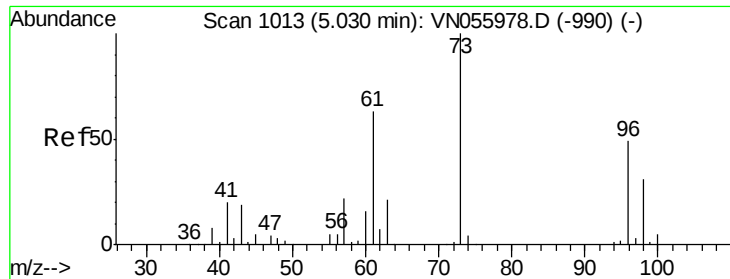
Tot Ion: 73 Resp: 400202
Ion Ratio Lower Upper
73 100
57 21.4 17.8 26.8



#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

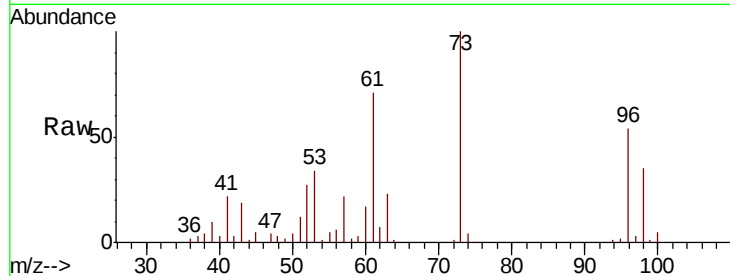




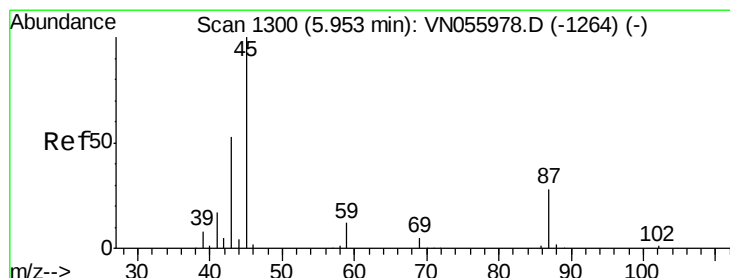
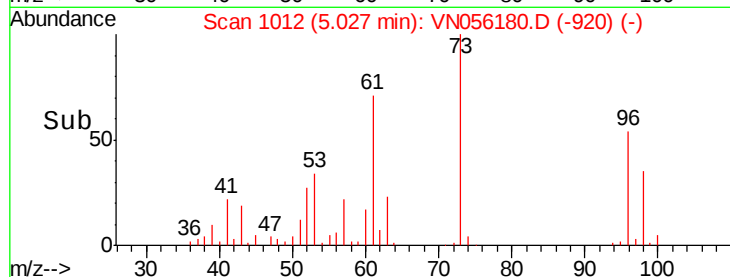
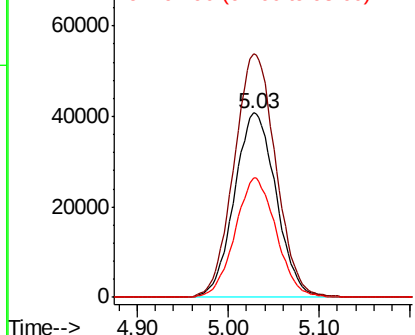
#21
trans-1,2-Dichloroethene
Concen: 50.965 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

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

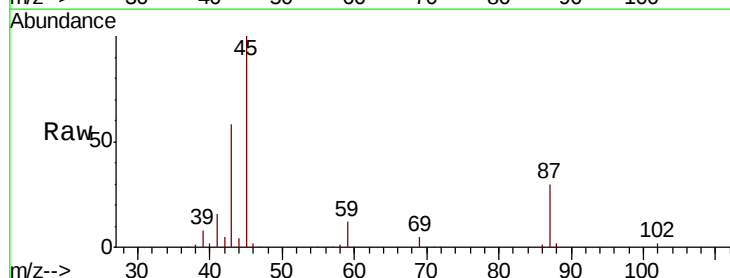


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

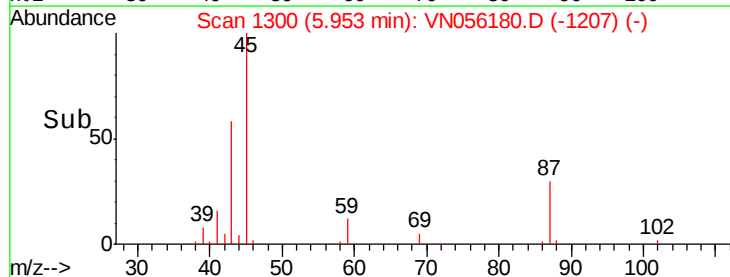
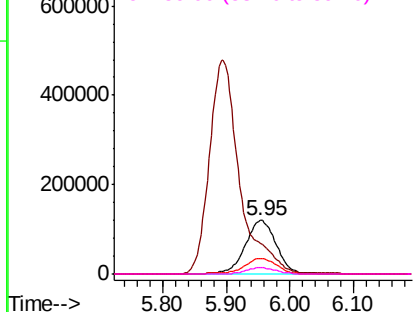


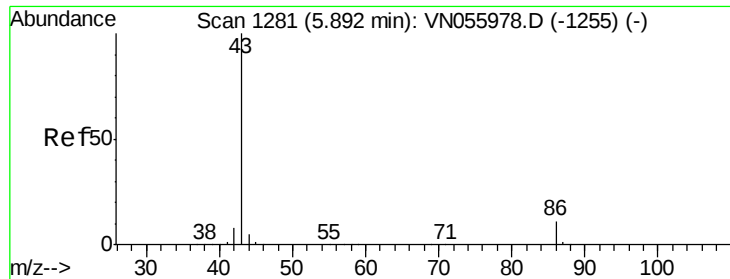
#22
Diisopropyl ether
Concen: 52.732 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

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 :

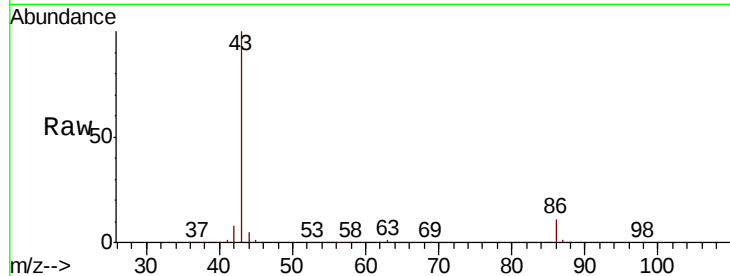
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 43 Resp: 1589857

Ion Ratio Lower Upper

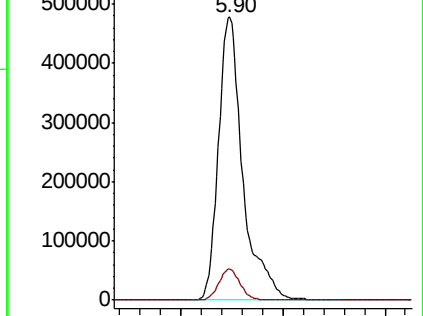
43 100

86 11.0 8.6 13.0

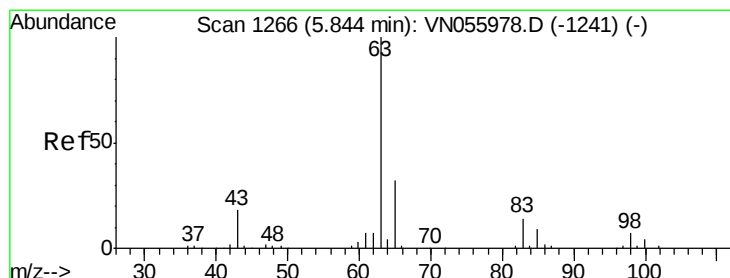
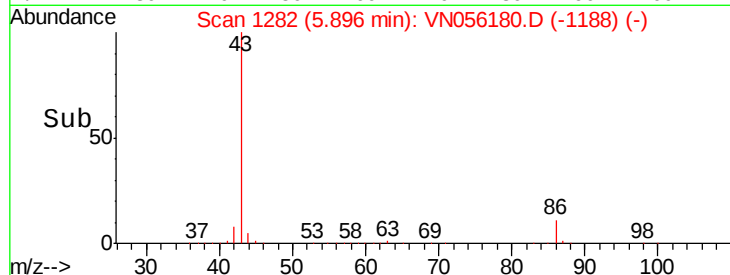


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#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

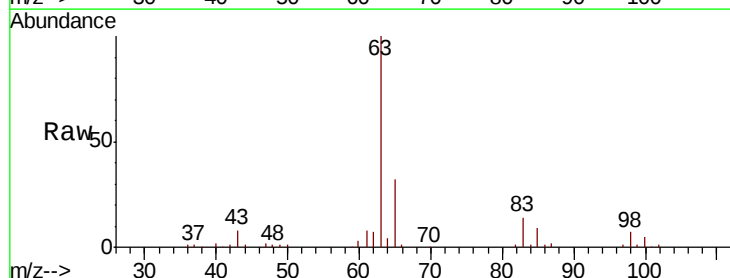
Tgt Ion: 63 Resp: 237685

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

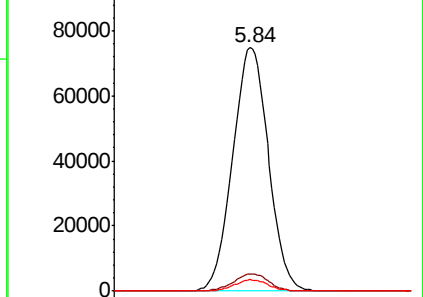
100 4.7 2.2 6.6



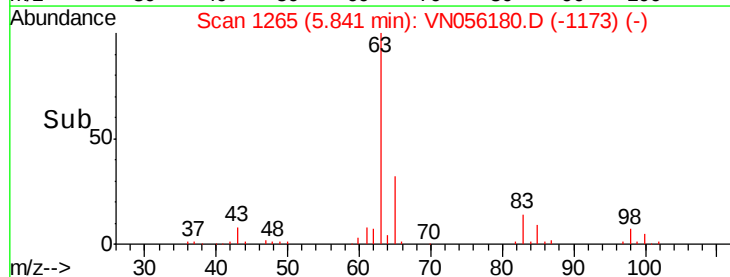
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#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 :

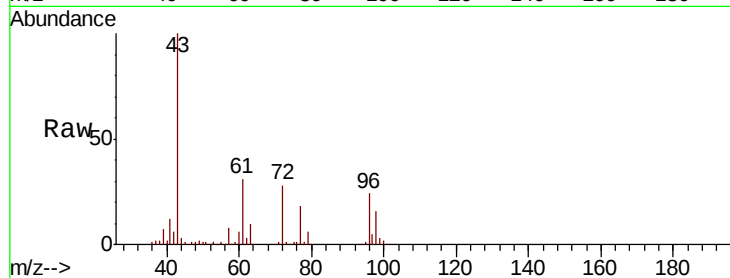
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 43 Resp: 466401

Ion Ratio Lower Upper

43 100

72 27.6 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1551) (-)

Ion 72.00 (71.70 to 72.70): VN055978.D (-1551) (-)

6.84

150000

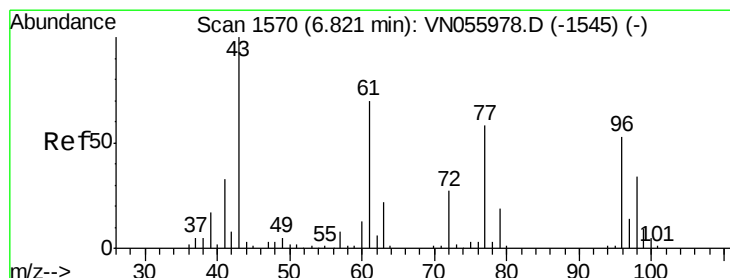
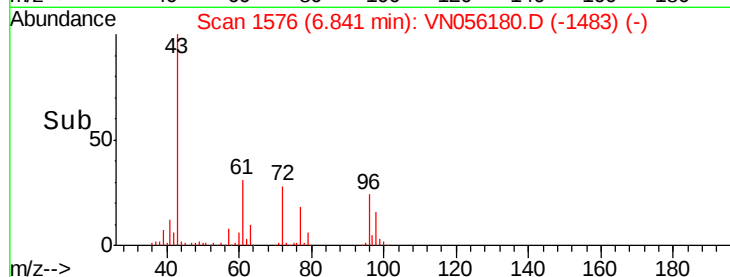
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#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

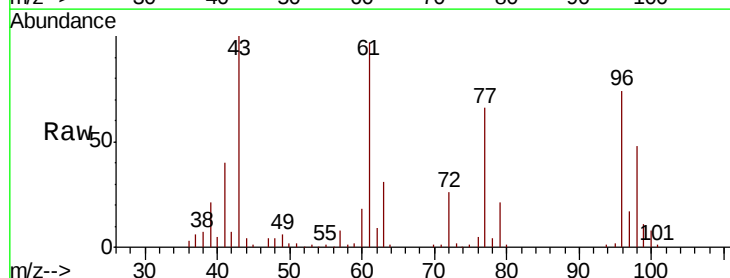
Acq: 10 Jun 2019 19:34

Tgt Ion: 77 Resp: 144043

Ion Ratio Lower Upper

77 100

97 25.8 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN055978.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN055978.D (-1545) (-)

6.82

50000

40000

30000

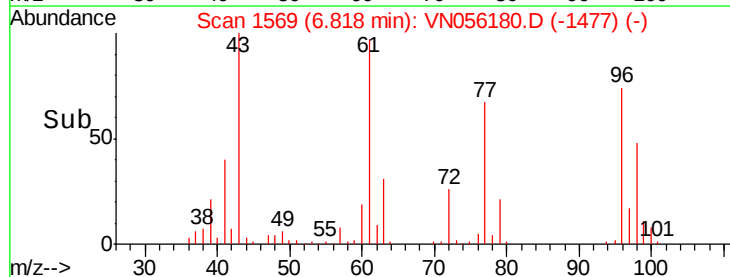
20000

10000

0

6.70 6.80 6.90

Time-->





#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

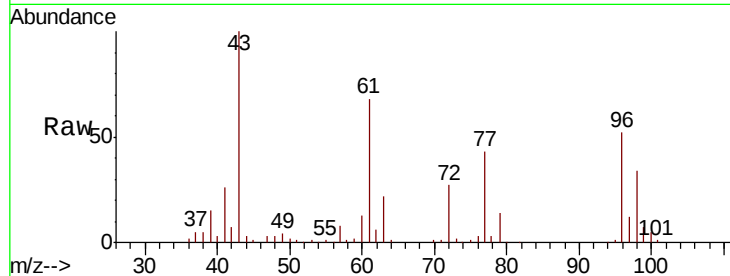
Tot Ion: 96 Resp: 153645

Ion Ratio Lower Upper

96 100

61 132.7 0.0 275.8

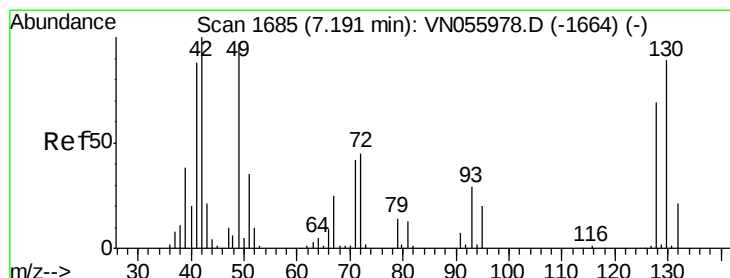
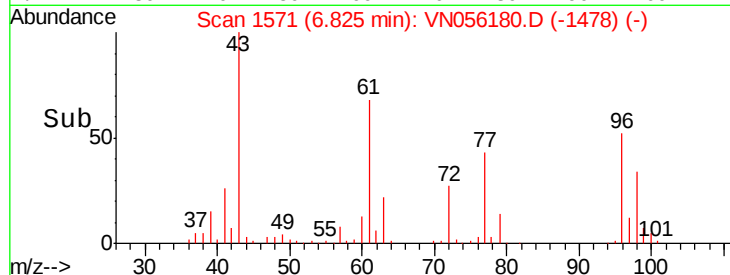
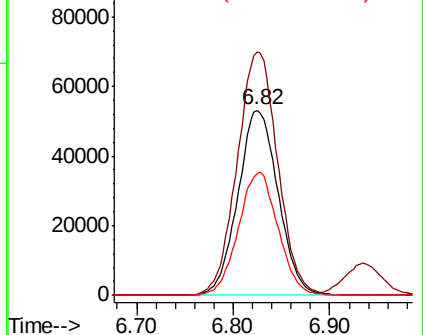
98 65.5 0.0 128.4



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



#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

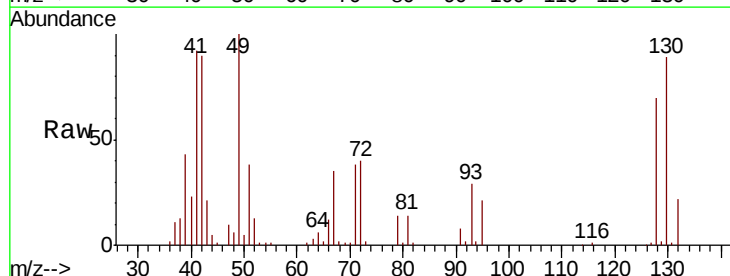
Tgt Ion: 49 Resp: 117773

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

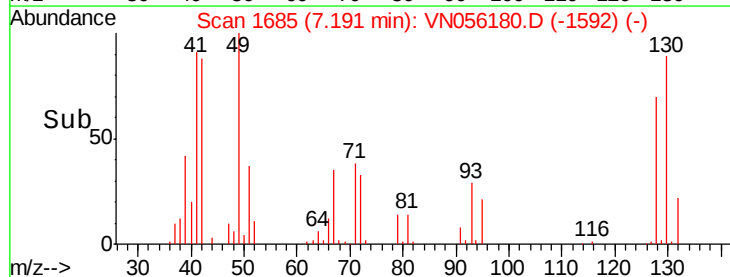
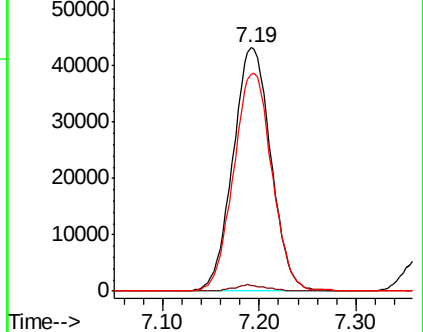
130 90.2 71.2 106.8

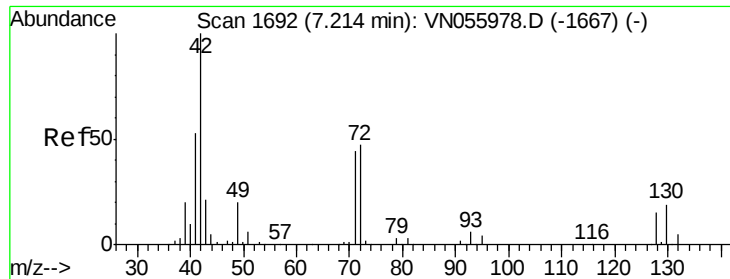


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

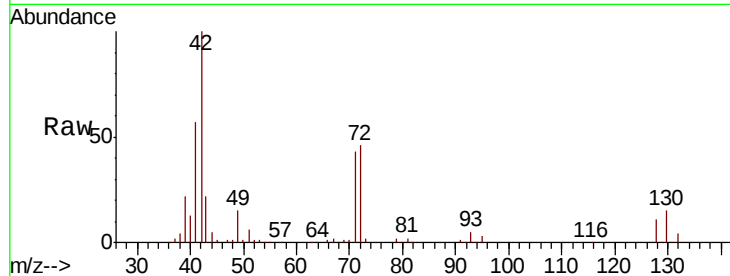




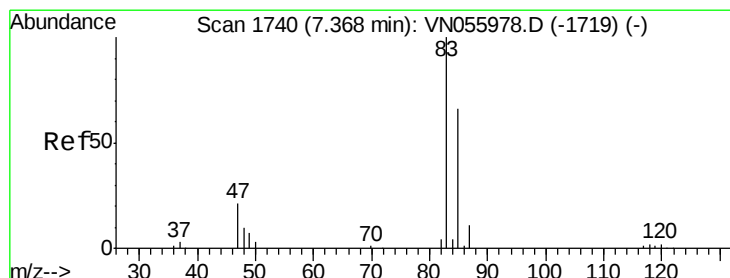
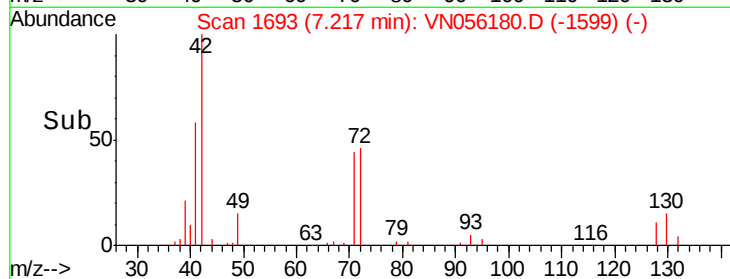
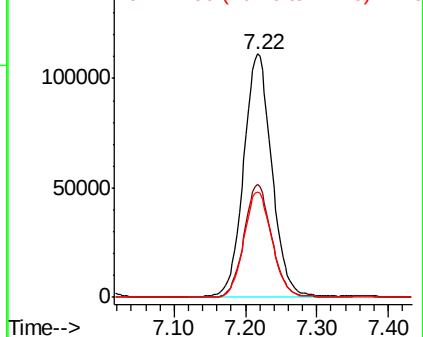
#29
Tetrahydrofuran
Concen: 291.425 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

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

Tot Ion: 42 Resp: 307329
Ion Ratio Lower Upper
42 100
72 45.4 35.9 53.9
71 43.0 34.0 51.0

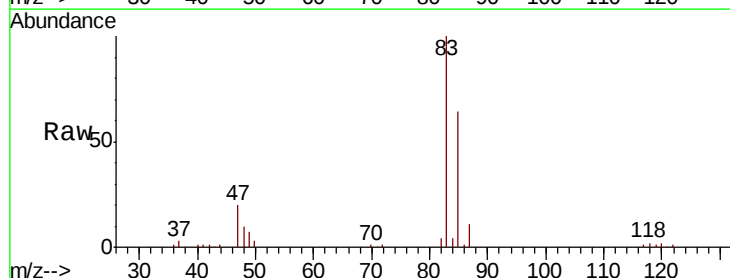


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

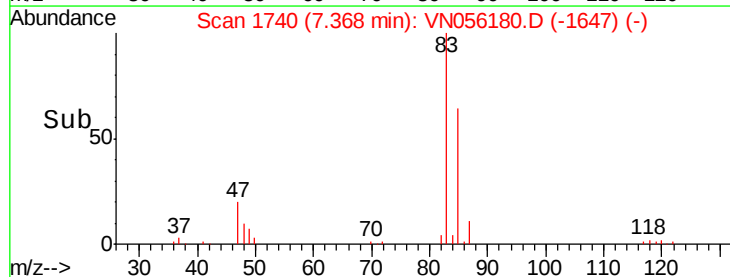
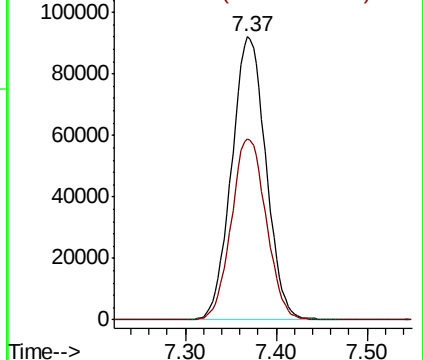


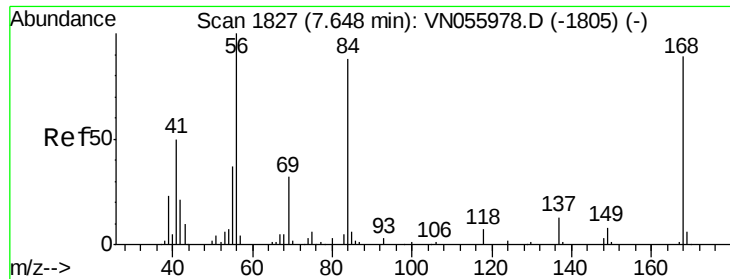
#30
Chloroform
Concen: 53.409 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion: 83 Resp: 241478
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

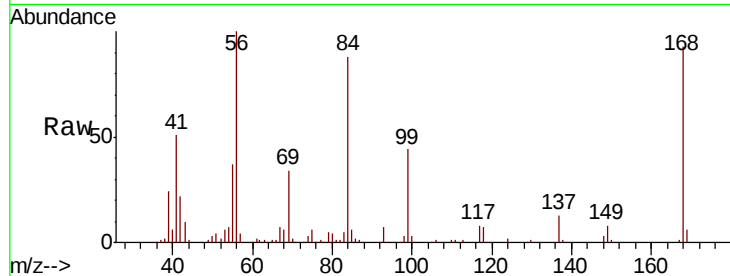




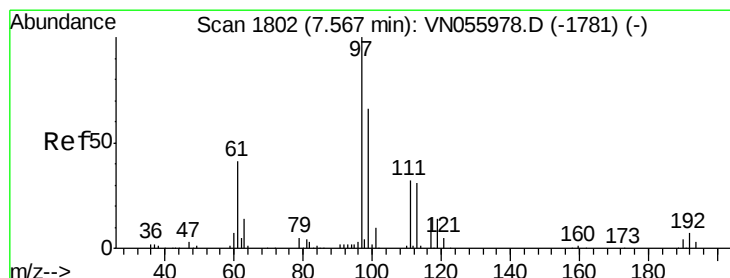
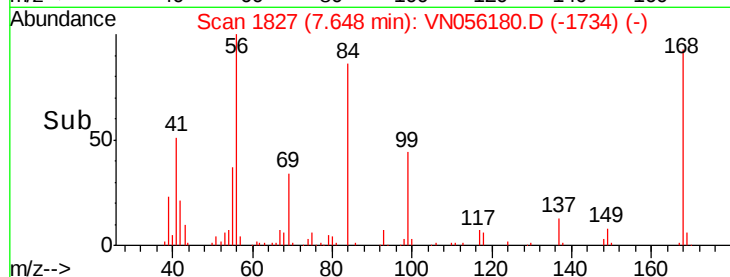
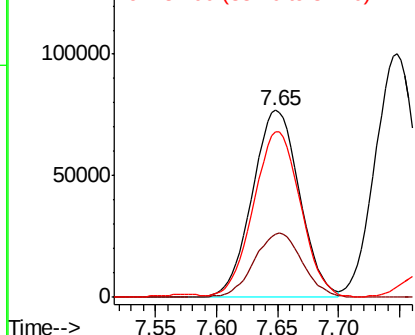
#31
Cyclohexane
Concen: 46.358 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

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

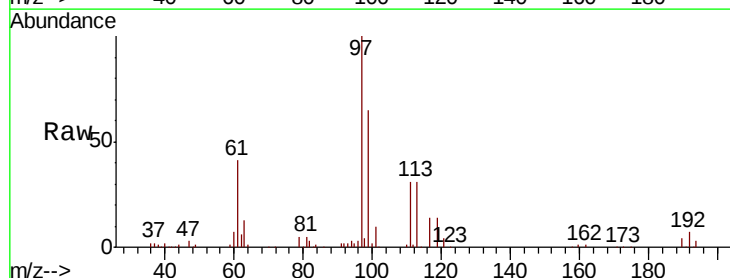


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

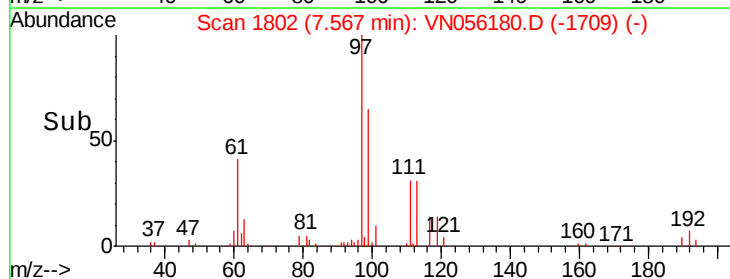
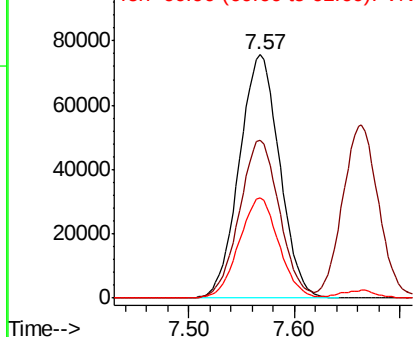


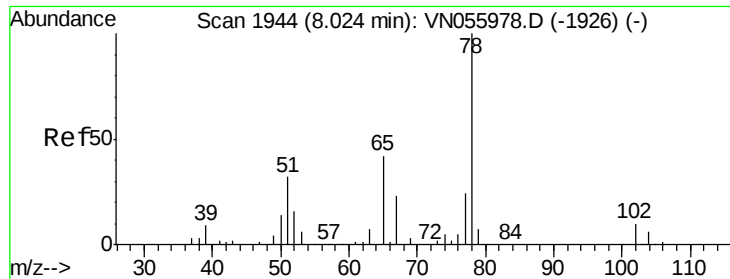
#32
1,1,1-Trichloroethane
Concen: 53.323 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

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

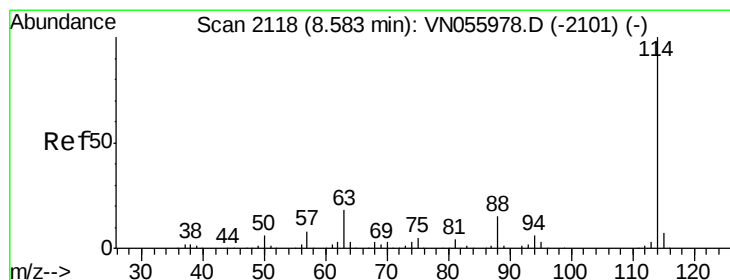
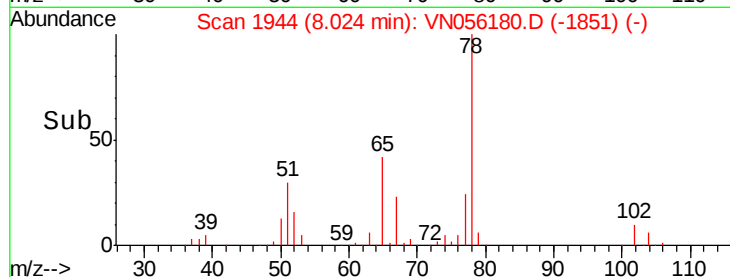
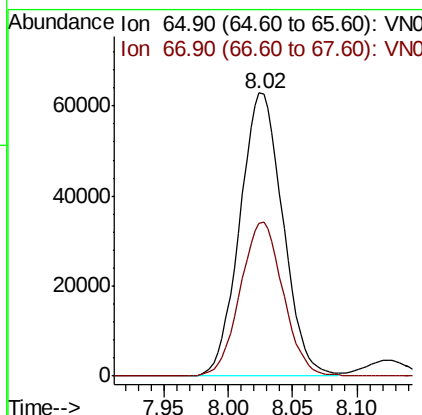
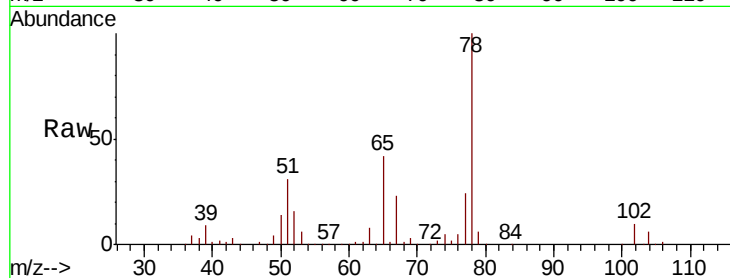




#33
 1,2-Dichloroethane-d4
 Concen: 51.814 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

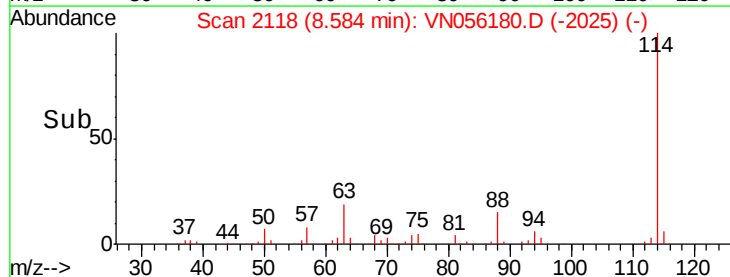
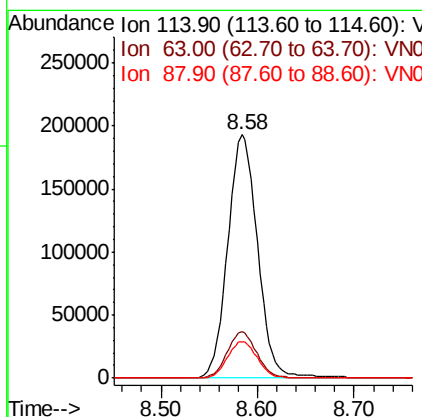
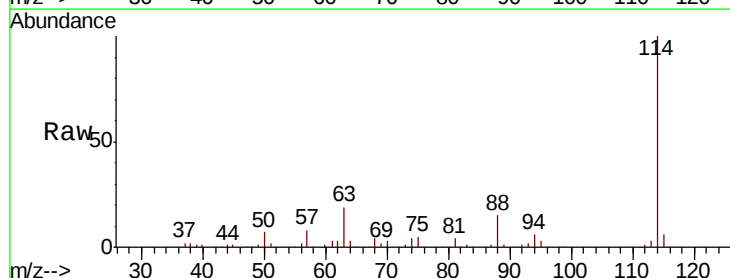
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

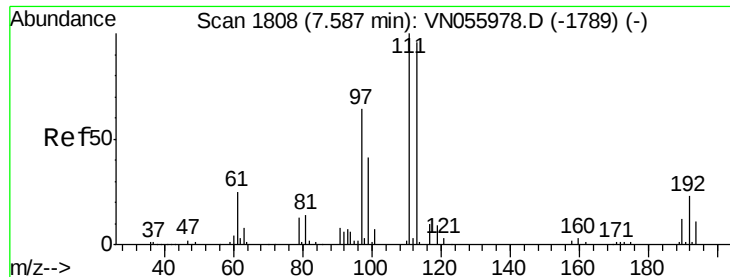
Tot Ion: 65 Resp: 146284
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.2



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

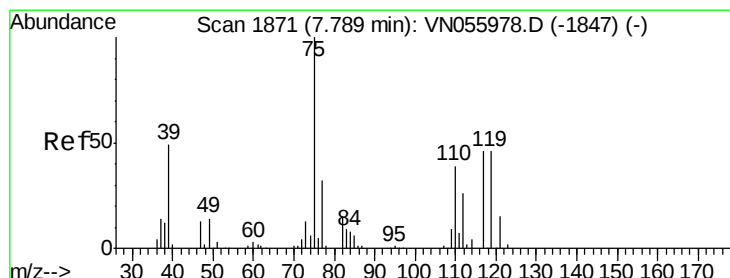
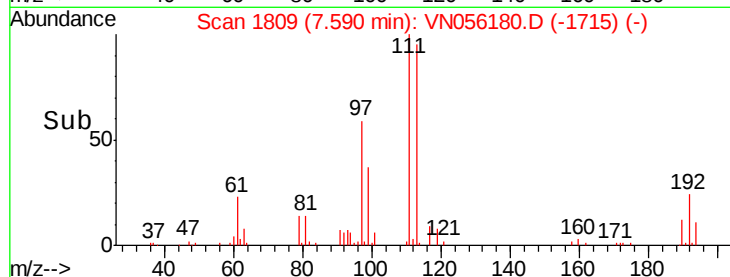
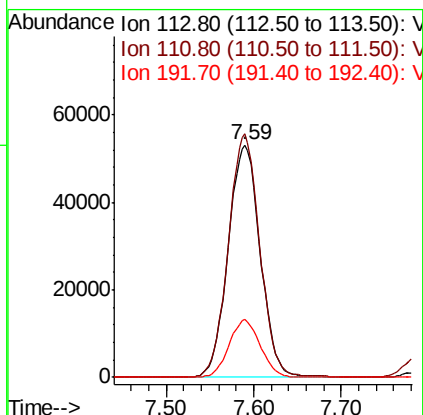
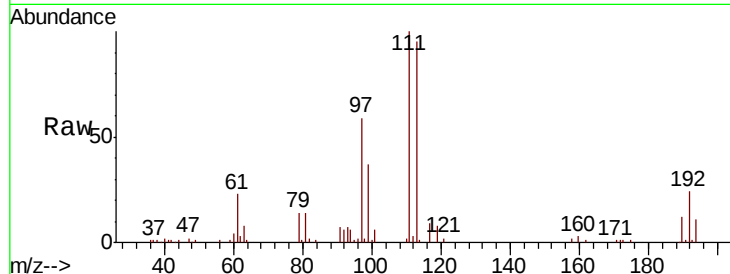




#35
 Dibromofluoromethane
 Concen: 53.172 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

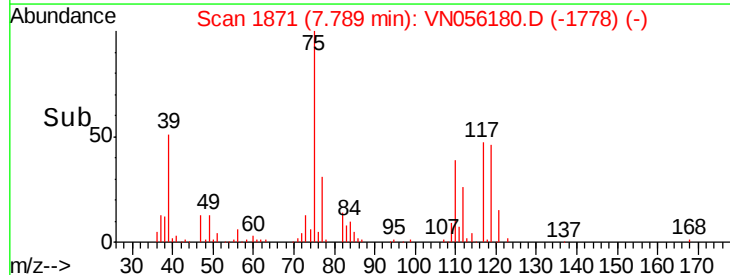
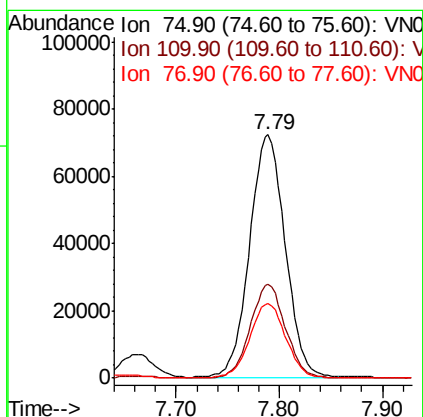
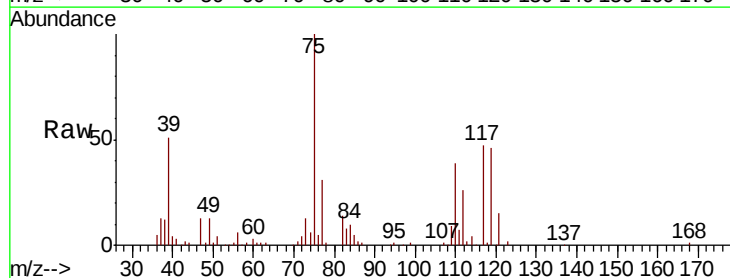
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

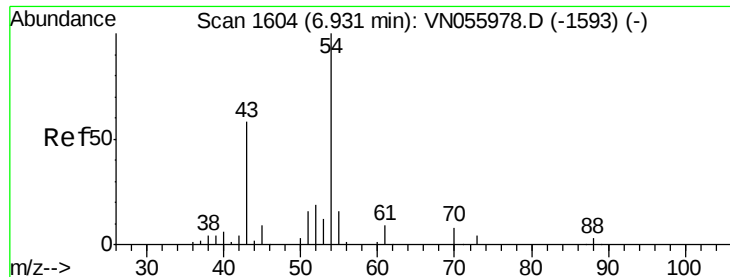
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	24.3	19.5	29.3



#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	Lower	Upper
75	100		
110	38.2	19.0	57.0
77	31.3	25.1	37.7

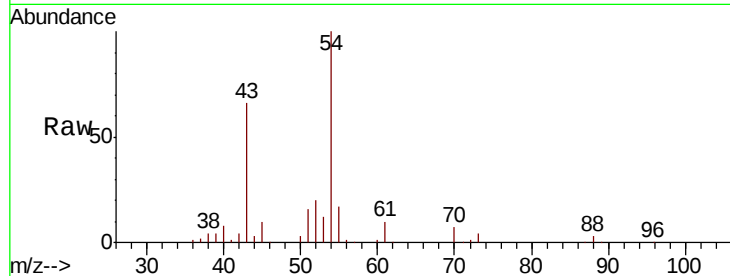




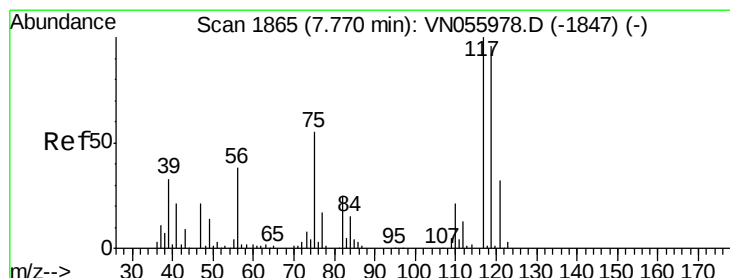
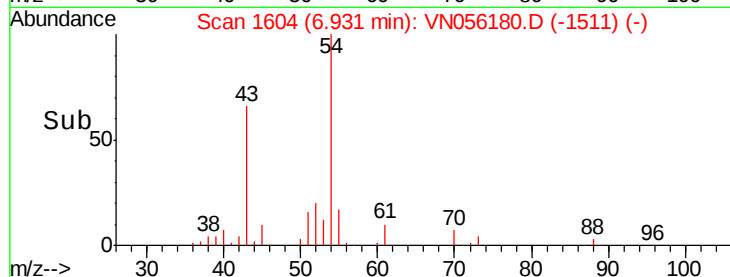
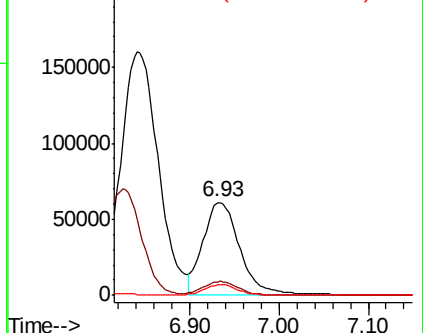
#37
Ethyl Acetate
Concen: 54.377 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

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

Tot Ion: 43 Resp: 172176
Ion Ratio Lower Upper
43 100
61 14.8 12.2 18.2
70 11.1 8.9 13.3

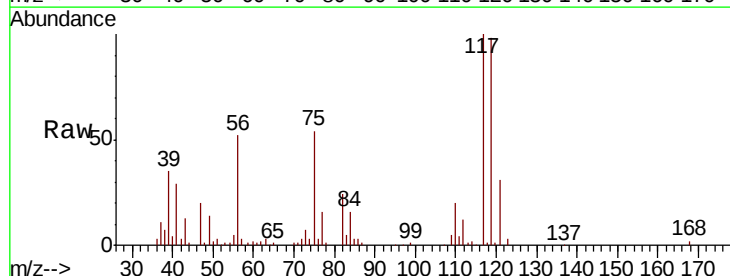


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

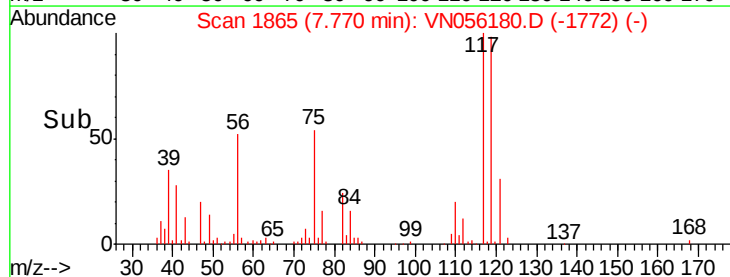
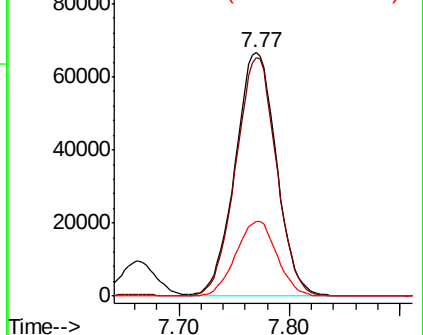


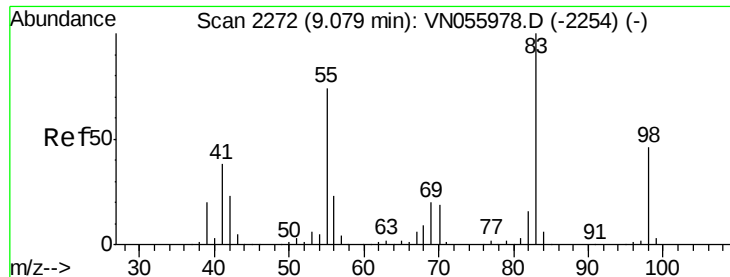
#38
Carbon Tetrachloride
Concen: 52.651 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion: 117 Resp: 172739
Ion Ratio Lower Upper
117 100
119 98.2 79.0 118.6
121 30.5 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

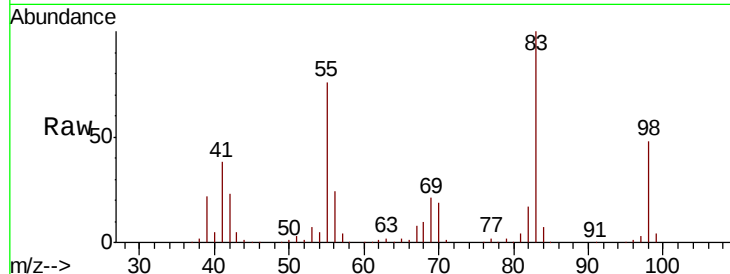




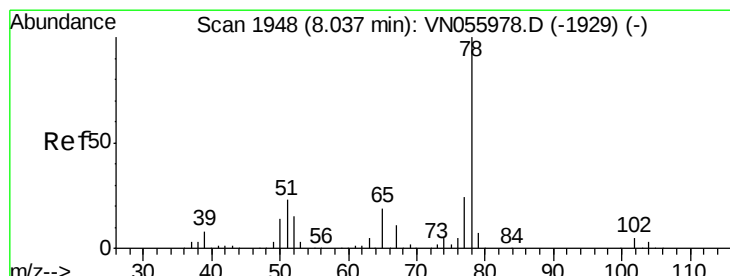
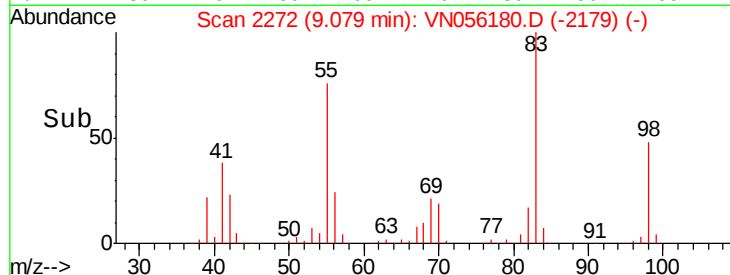
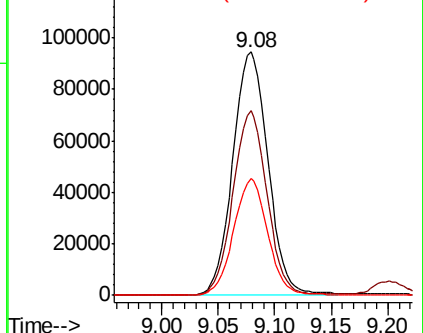
#39
Methvlcvclohexane
Concen: 46.501 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

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

Tot Ion: 83 Resp: 206138
Ion Ratio Lower Upper
83 100
55 75.6 59.3 88.9
98 47.9 36.6 54.8

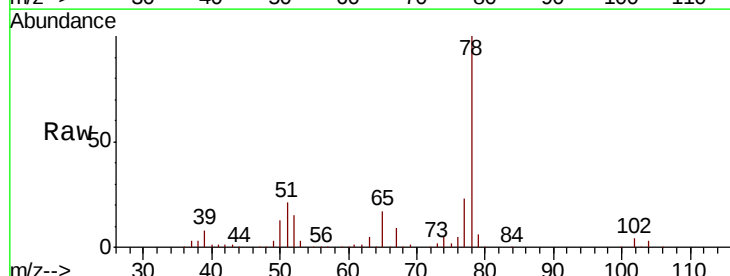


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

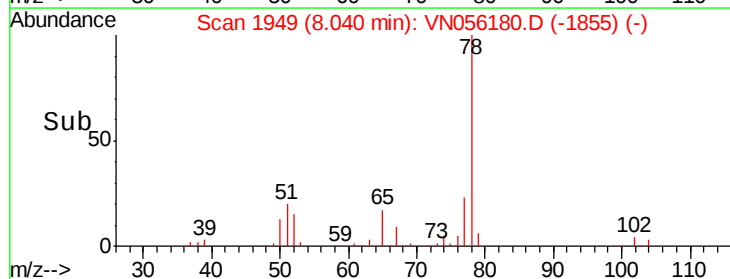
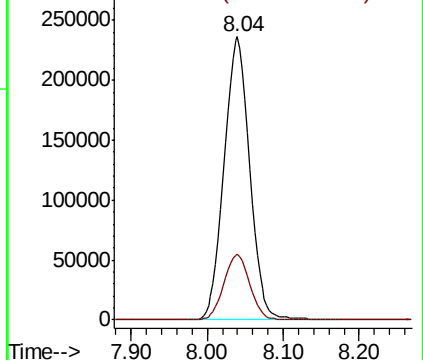


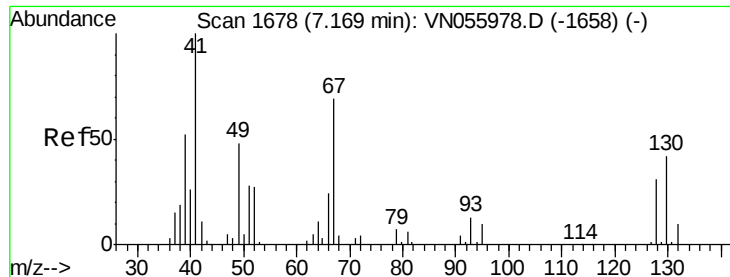
#40
Benzene
Concen: 51.473 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion: 78 Resp: 556335
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

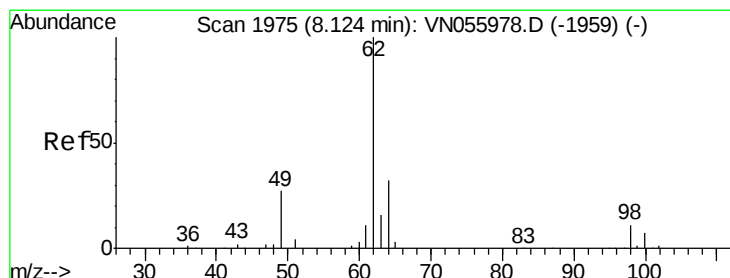
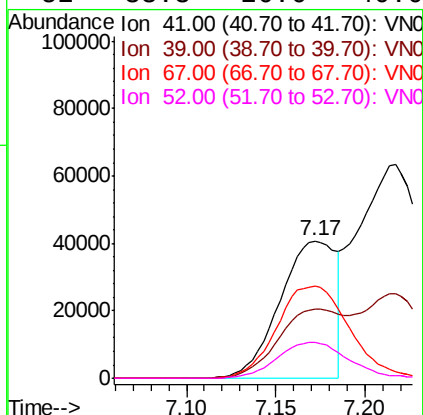
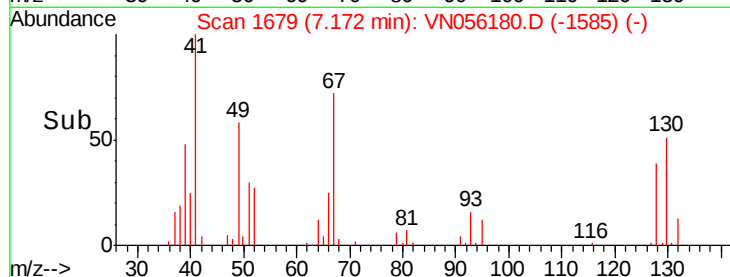
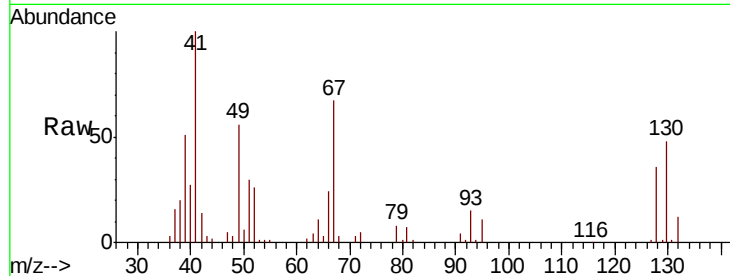




#41
Methacrylonitrile
Concen: 61.294 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

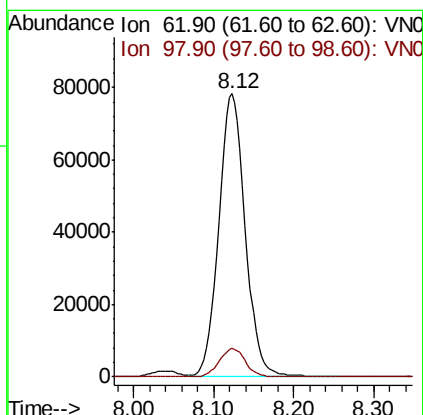
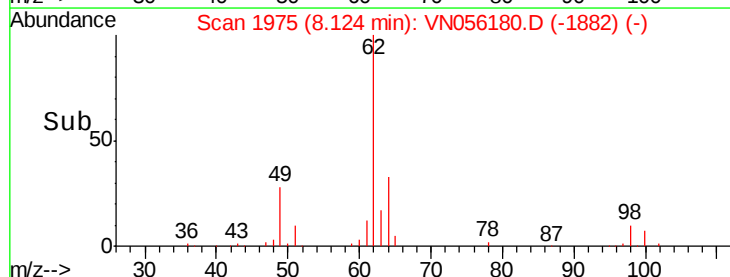
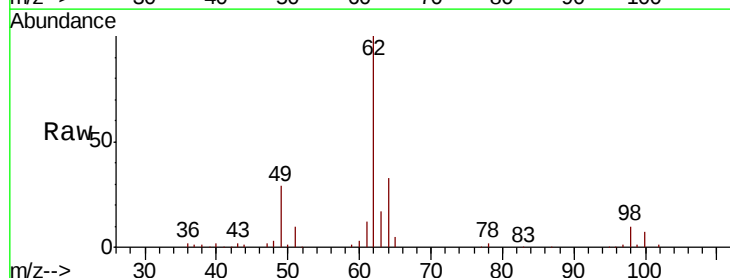
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

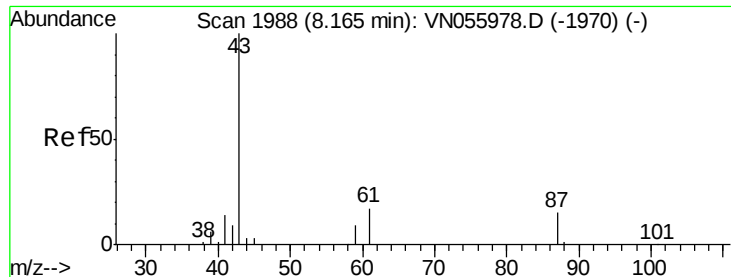
Tot Ion: 41 Resp: 89293
Ion Ratio Lower Upper
41 100
39 59.8 45.6 68.4
67 87.0 67.7 101.5
52 33.3 26.6 40.0



#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: 62 Resp: 178721
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.2





#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 :

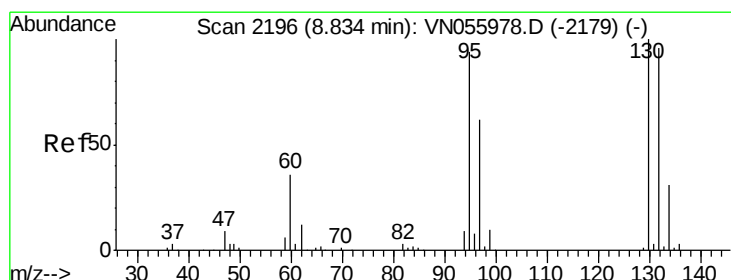
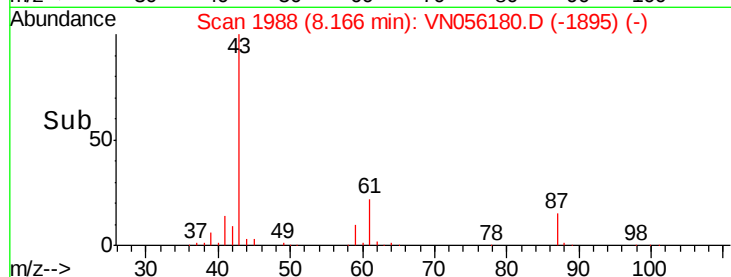
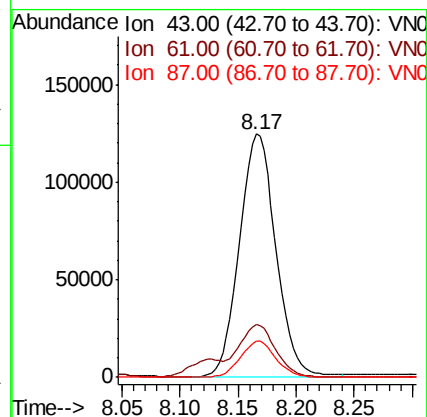
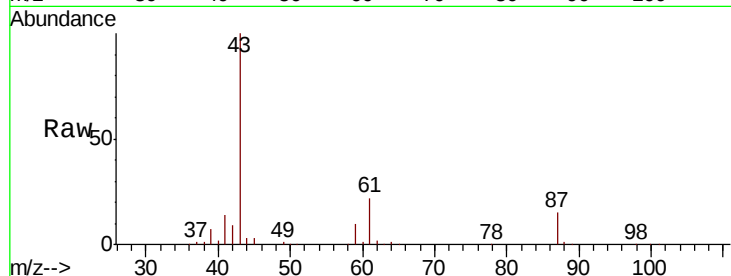
MSVOA_N

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



#44

Trichloroethene

Concen: 51.021 ug/l

RT: 8.83 min Scan# 2196

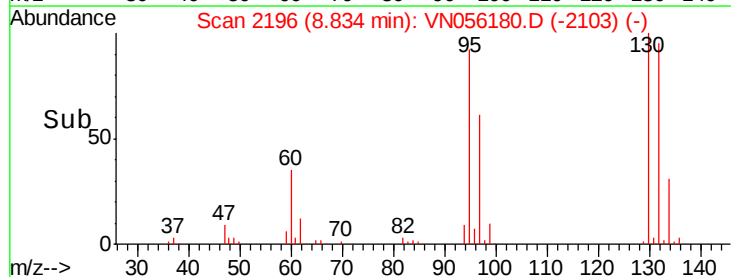
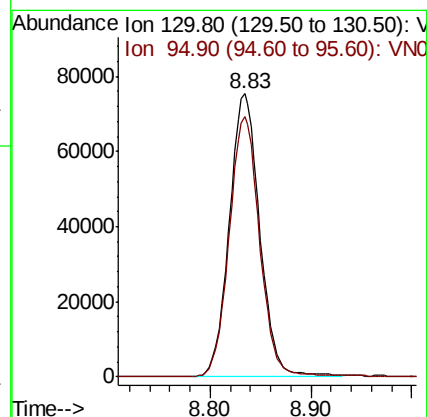
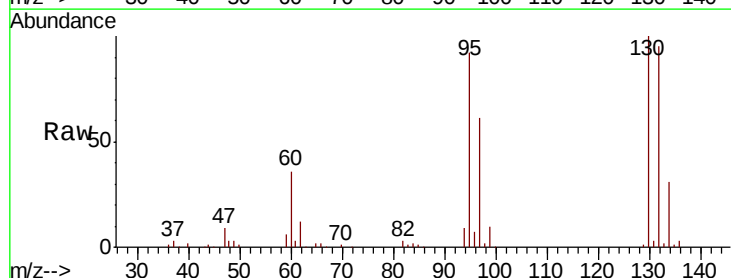
Delta R.T. 0.00 min

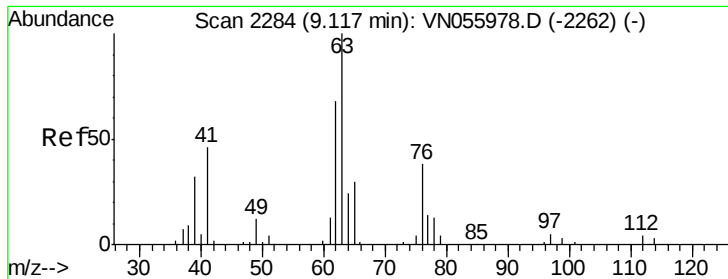
Lab File: VN056180.D

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 :

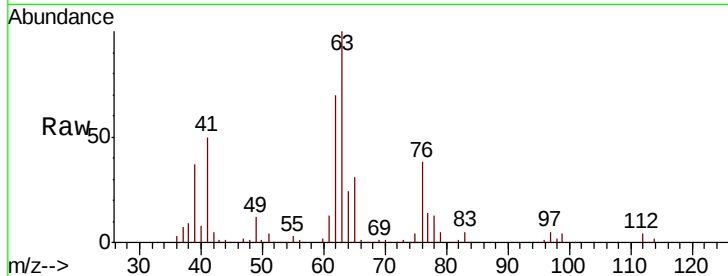
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 63 Resp: 145874

Ion Ratio Lower Upper

63 100

65 31.4 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN056180.D (-2191) (-)

Ion 64.90 (64.60 to 65.60): VN056180.D (-2191) (-)

9.12

80000

60000

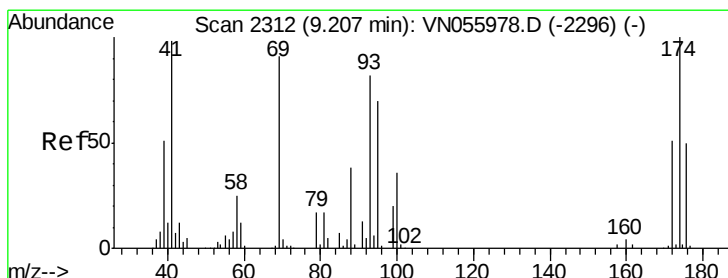
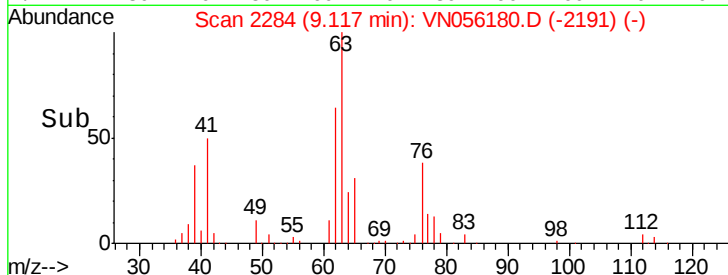
40000

20000

0

9.00 9.10 9.20

Time-->



#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

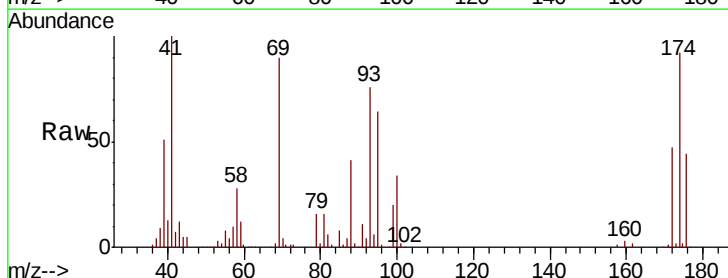
Tgt Ion: 93 Resp: 97886

Ion Ratio Lower Upper

93 100

95 83.3 66.7 100.1

174 121.4 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN056180.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN056180.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN056180.D (-2219) (-)

9.21

80000

60000

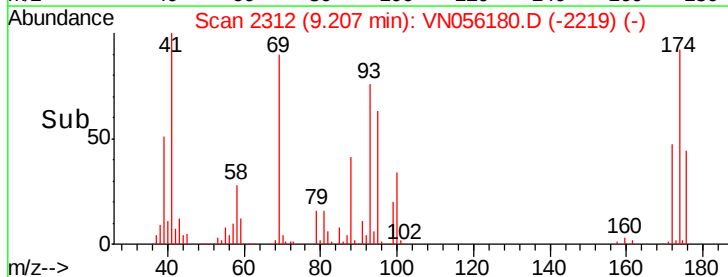
40000

20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#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

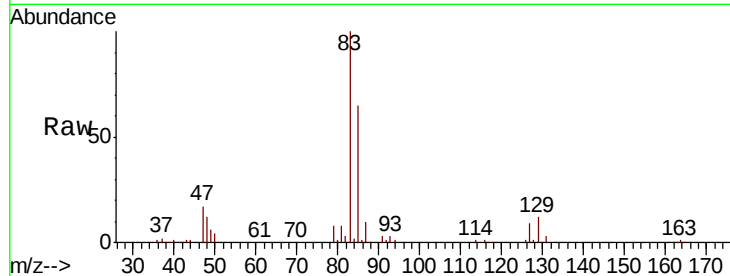
Tot Ion: 83 Resp: 182325

Ion Ratio Lower Upper

83 100

85 65.0 52.2 78.2

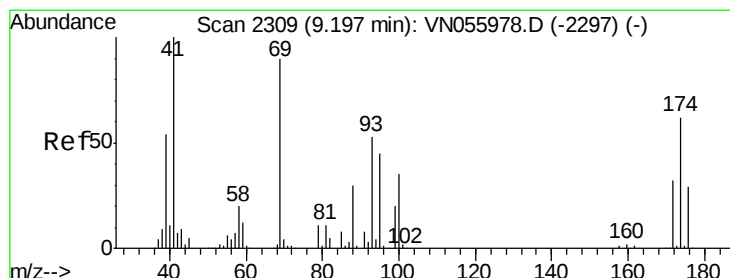
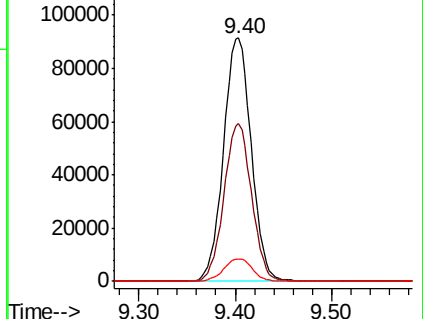
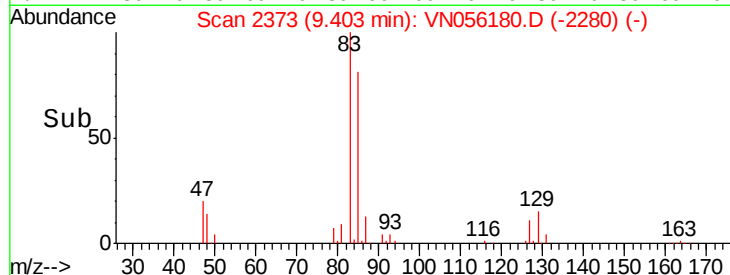
127 9.1 7.4 11.0



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) (-)



#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

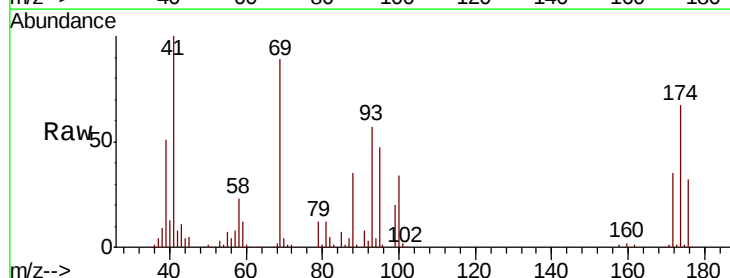
Tgt Ion: 41 Resp: 143276

Ion Ratio Lower Upper

41 100

69 88.8 71.0 106.6

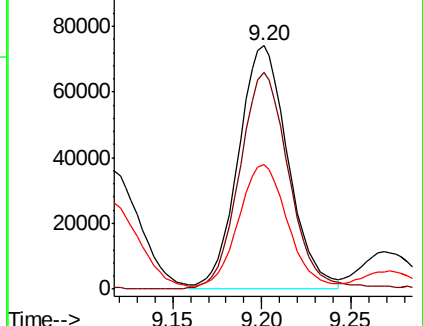
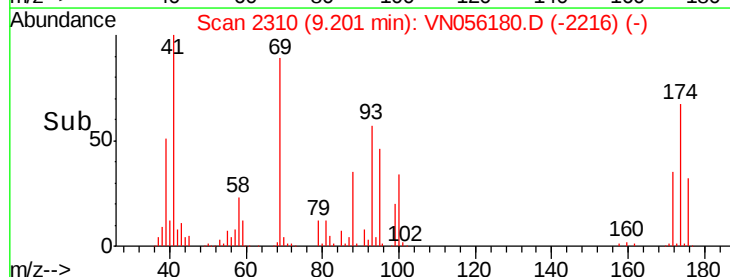
39 51.1 44.2 66.2

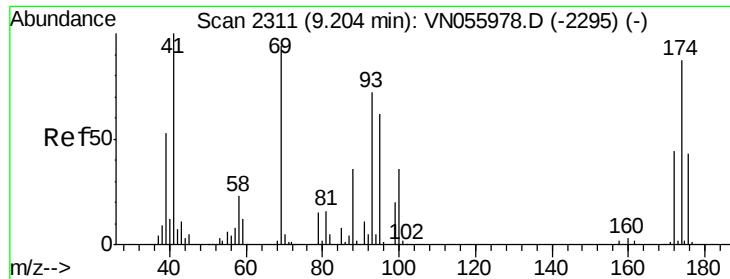


Abundance Ion 41.00 (40.70 to 41.70): VN056180.D (-2216) (-)

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

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





#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

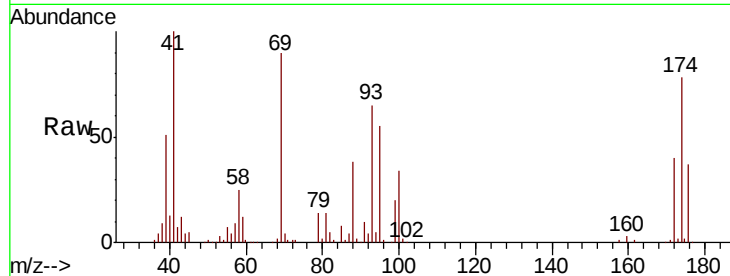
Tot Ion: 88 Resp: 63402

Ion Ratio Lower Upper

88 100

43 26.6 20.5 30.7

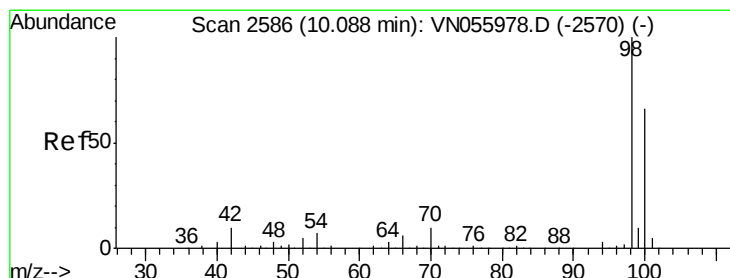
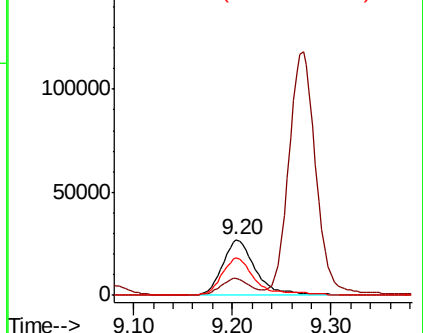
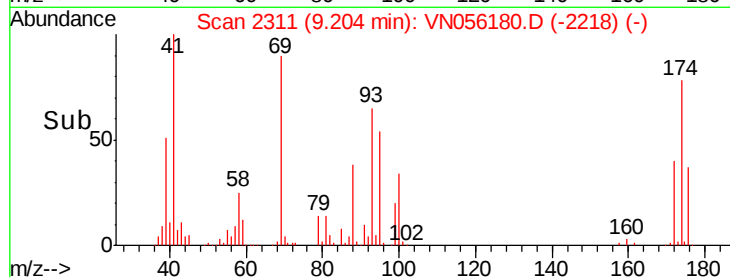
58 68.9 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN056180.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN056180.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN056180.D (-2218) (-)



#50

Toluene-d8

Concen: 50.680 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056180.D

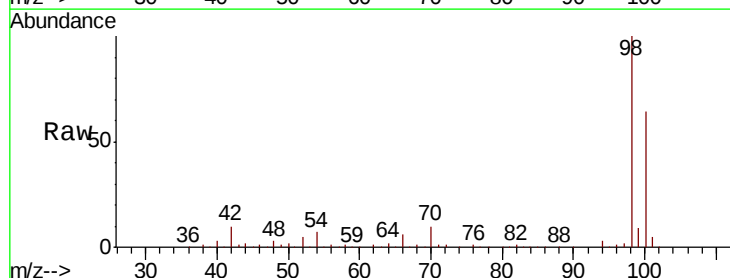
Acq: 10 Jun 2019 19:34

Tgt Ion: 98 Resp: 495181

Ion Ratio Lower Upper

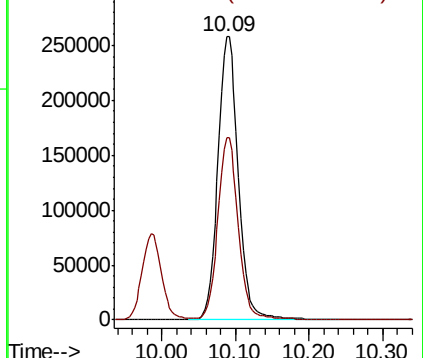
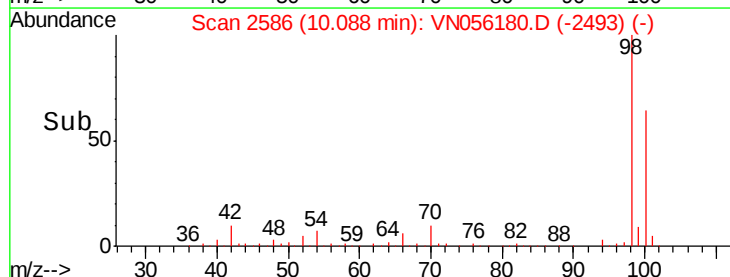
98 100

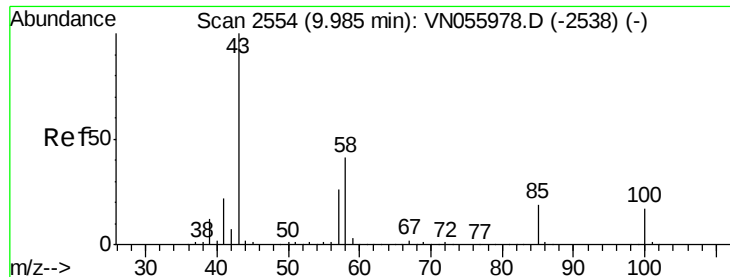
100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN056180.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN056180.D (-2493) (-)





#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 :

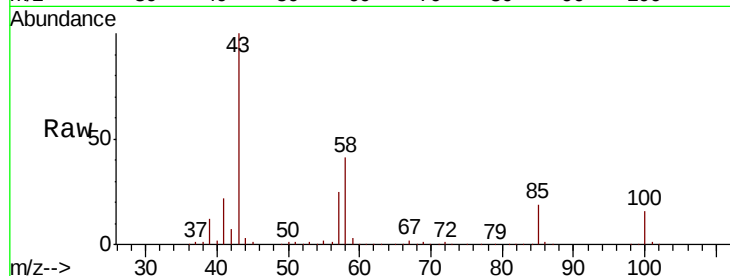
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 43 Resp: 920866

Ion Ratio Lower Upper

43 100

58 40.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

9.99

500000

400000

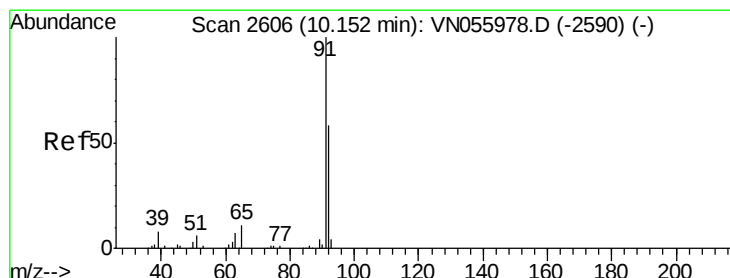
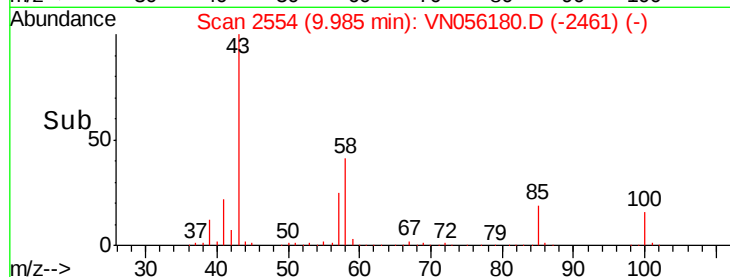
300000

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

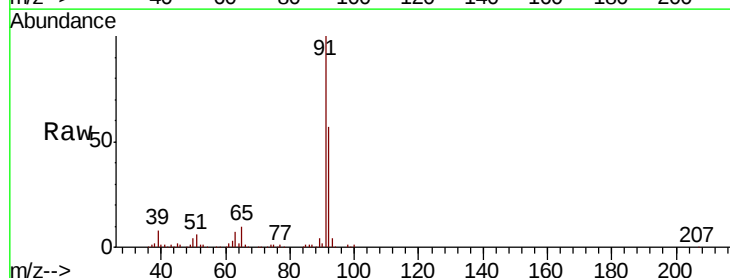
Acq: 10 Jun 2019 19:34

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): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

10.16

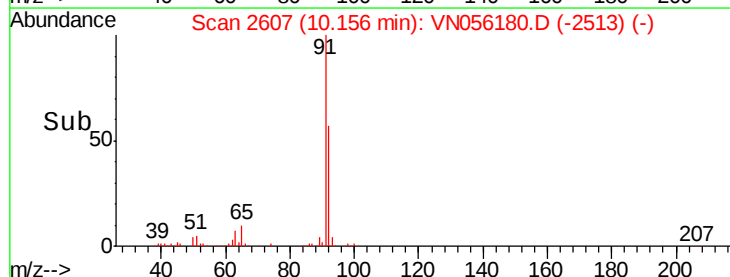
300000

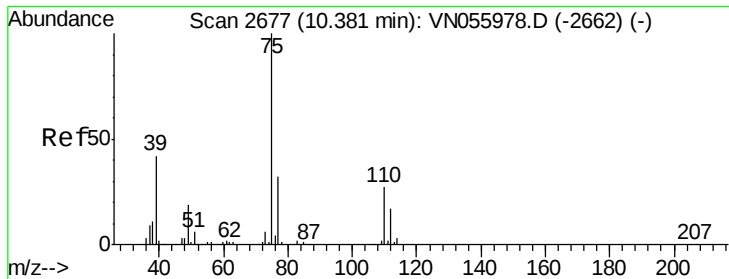
200000

100000

0

Time-->

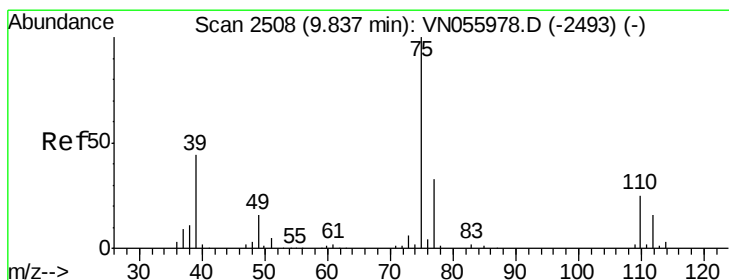
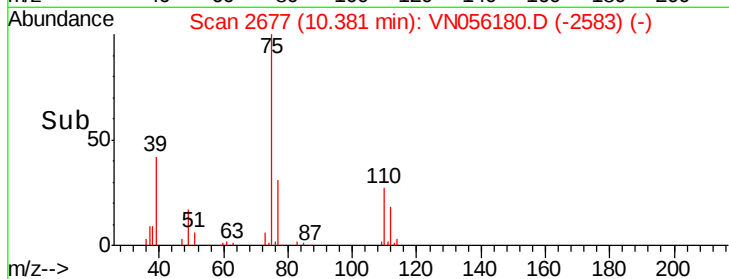
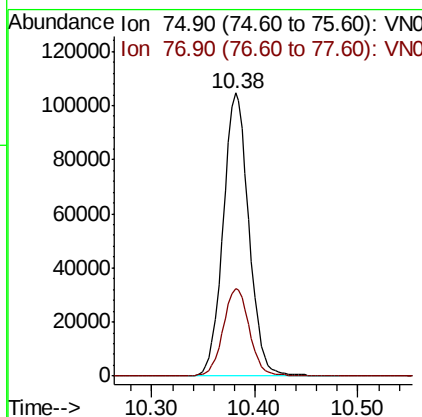
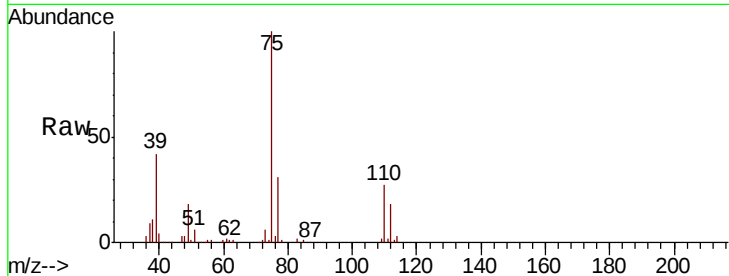




#53
 t-1,3-Dichloropropene
 Concen: 47.375 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

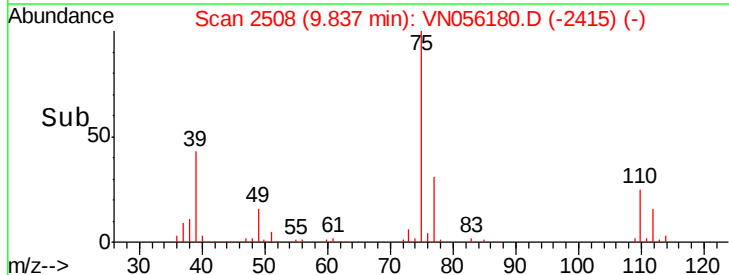
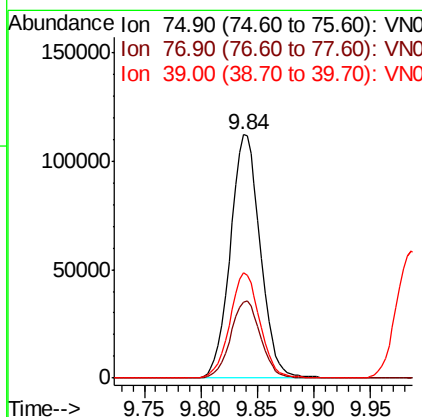
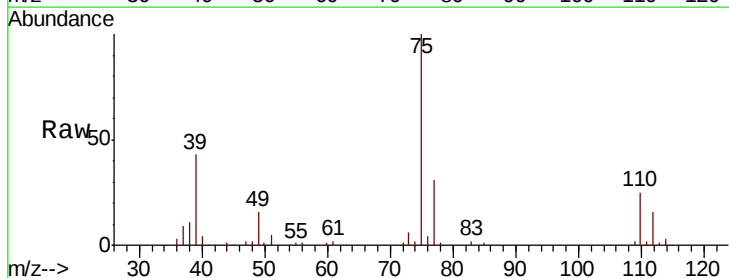
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

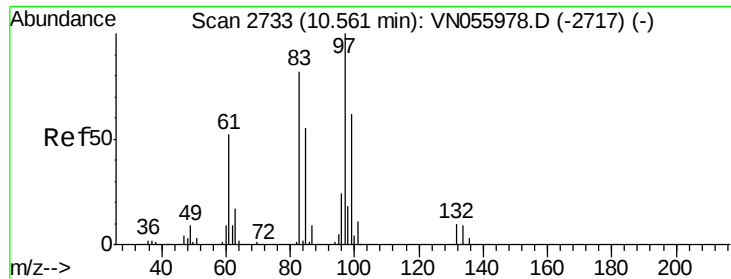
Tot Ion: 75 Resp: 181738
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.8 38.6



#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: 75 Resp: 207090
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0
 39 43.2 36.3 54.5

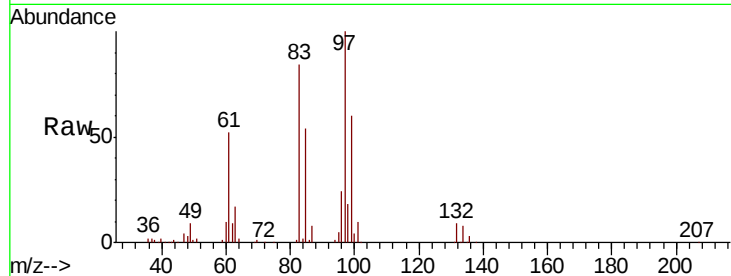




#55
 1,1,2-Trichloroethane
 Concen: 55.055 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

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

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



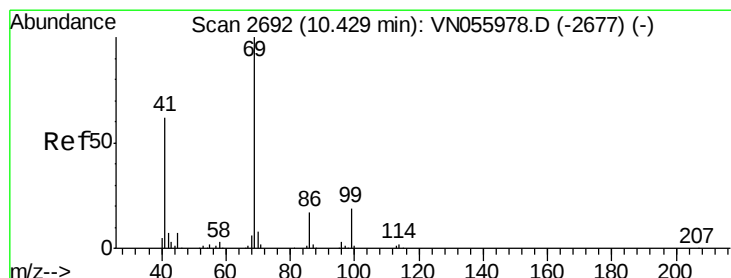
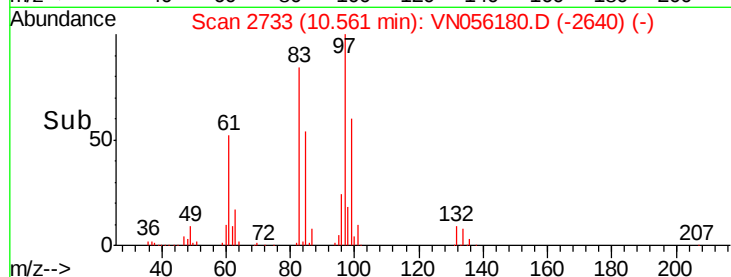
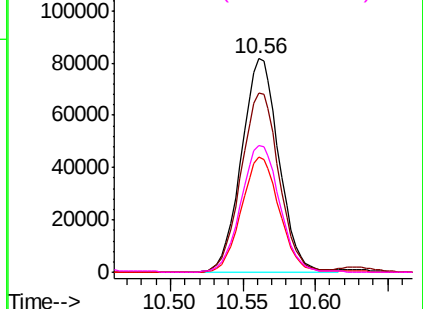
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

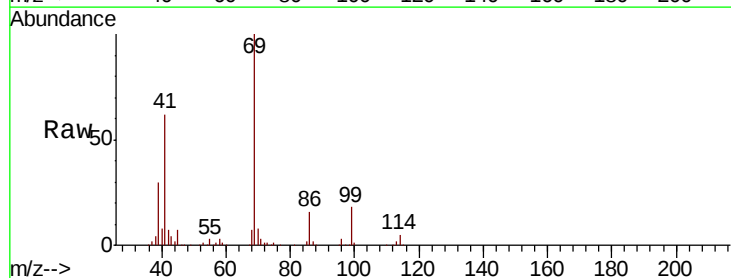
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



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

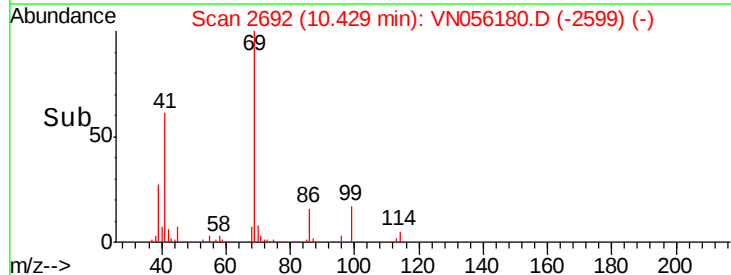
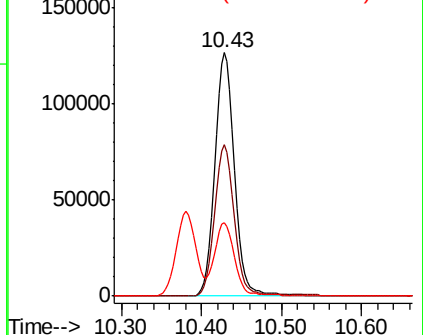


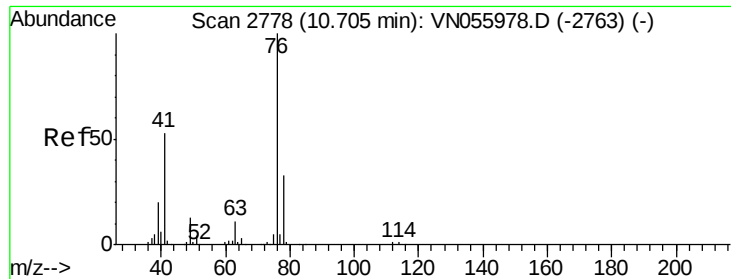
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

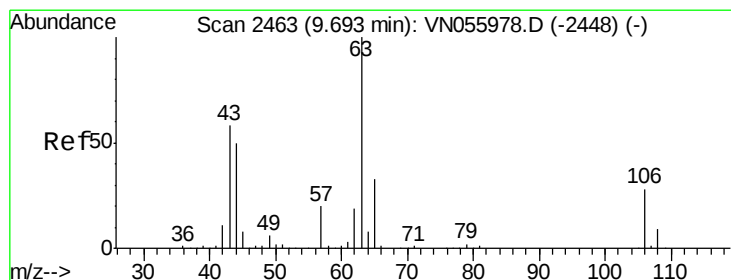
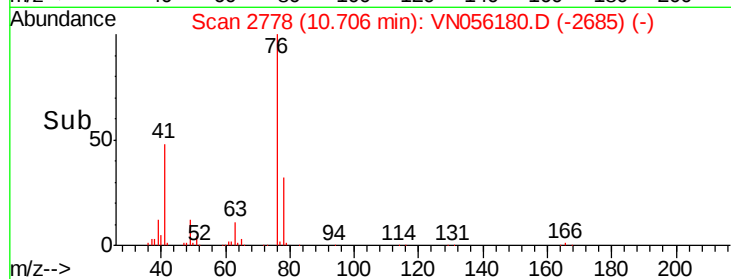
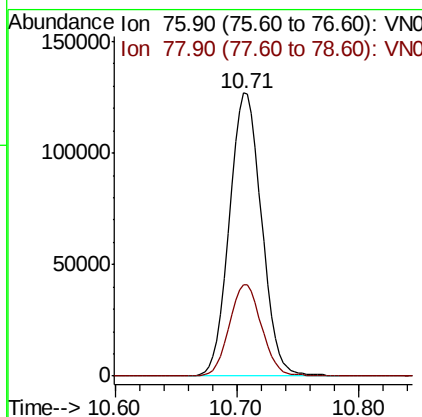
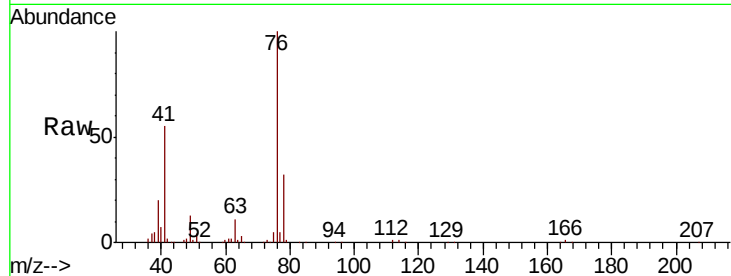




#57
 1,3-Dichloropropane
 Concen: 53.990 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

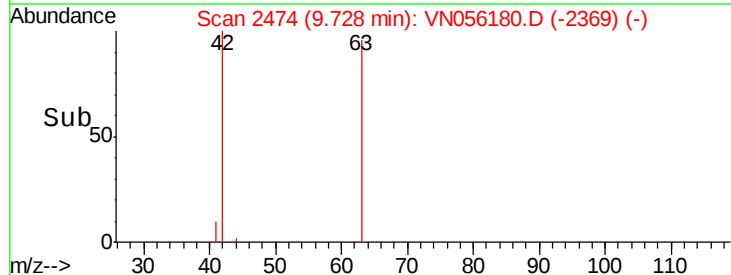
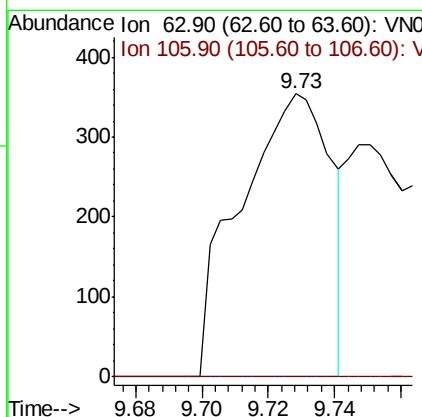
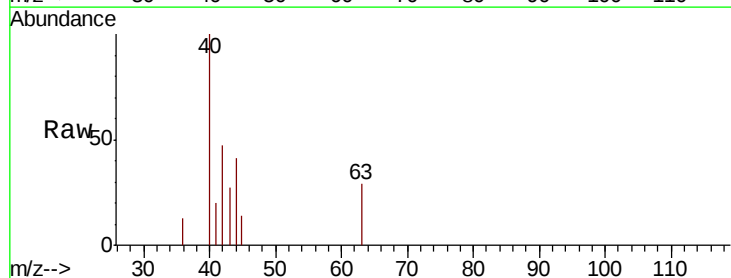
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

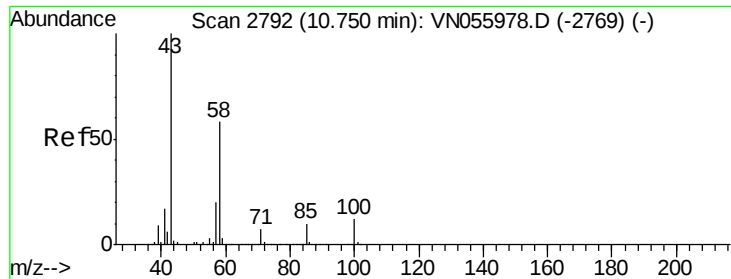
Tot Ion: 76 Resp: 233824
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.285 ug/l
 RT: 9.73 min Scan# 2474
 Delta R.T. 0.04 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

Tgt Ion: 63 Resp: 673
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.7 34.1#

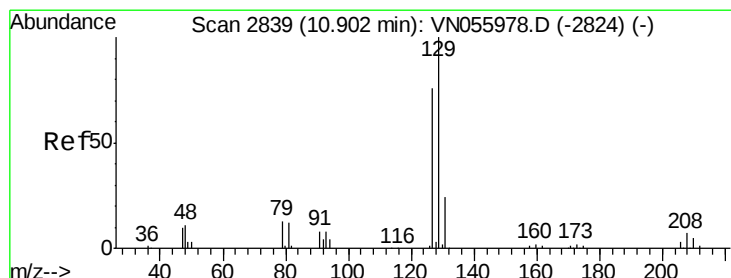
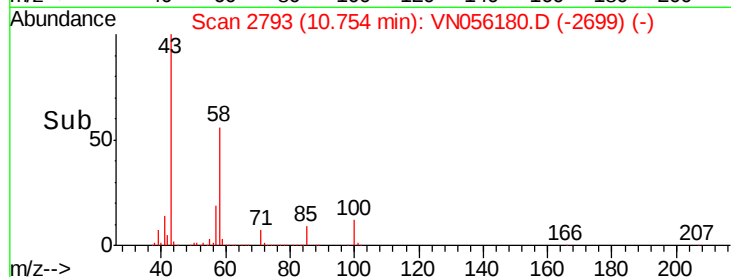
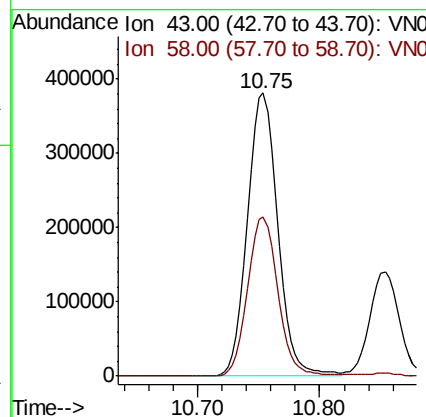
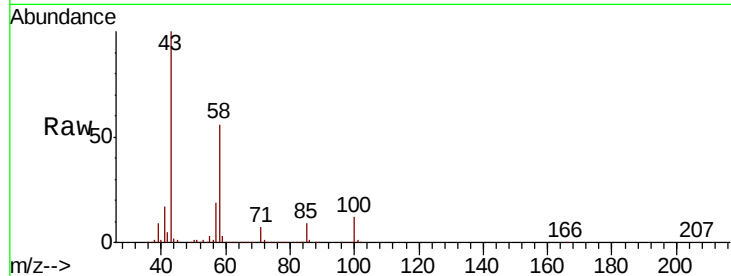




#59
2-Hexanone
Concen: 280.439 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

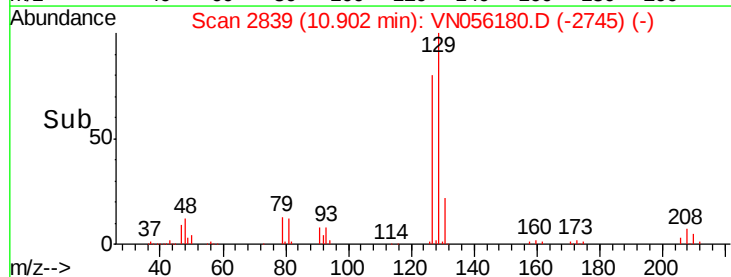
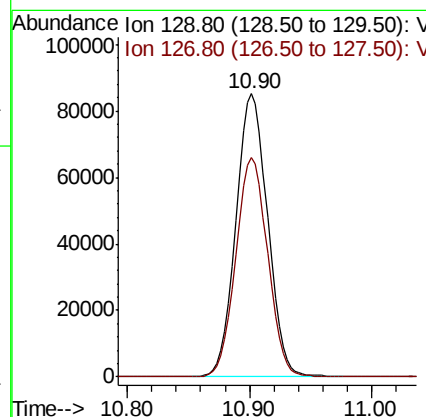
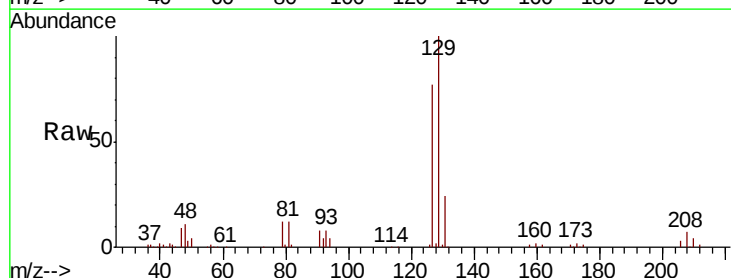
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot 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

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





#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

Instrument :

MSVOA_N

ClientSampleId :

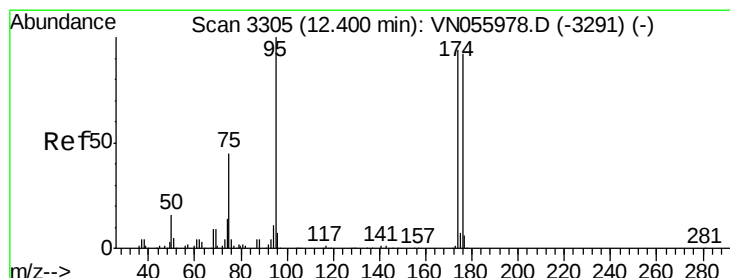
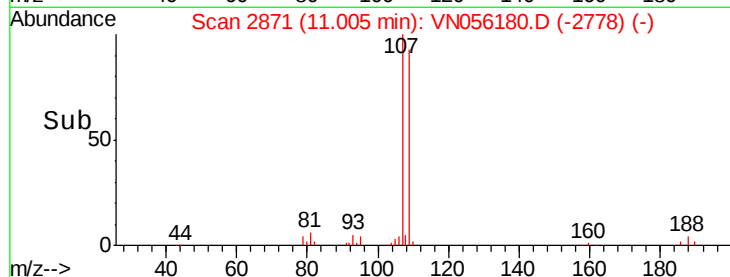
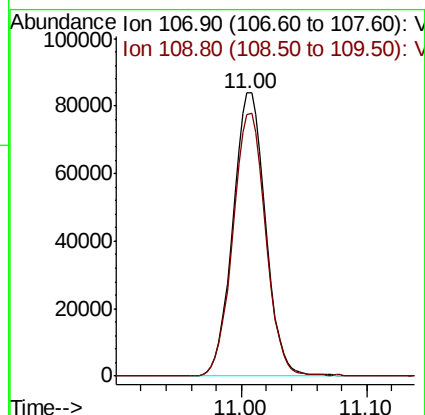
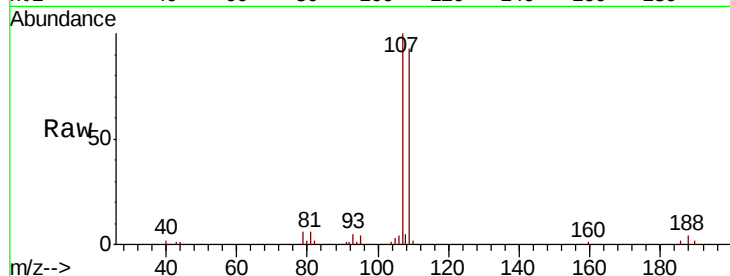
BP-MH-SW4001-SOUTH-20190608M

Tot 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

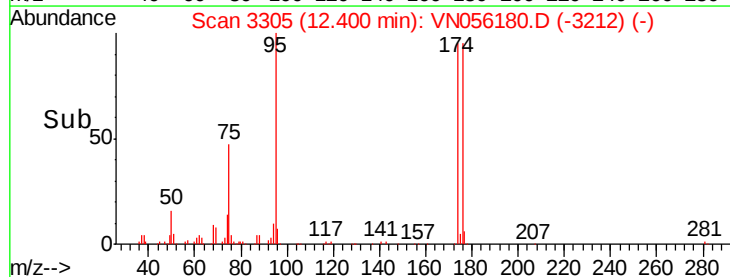
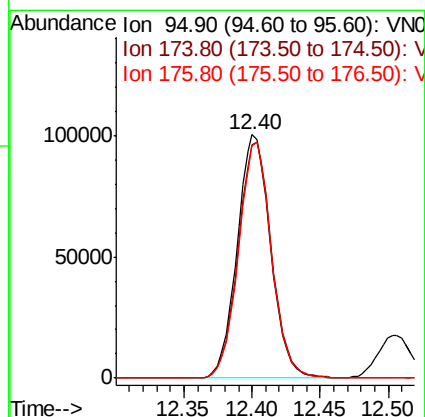
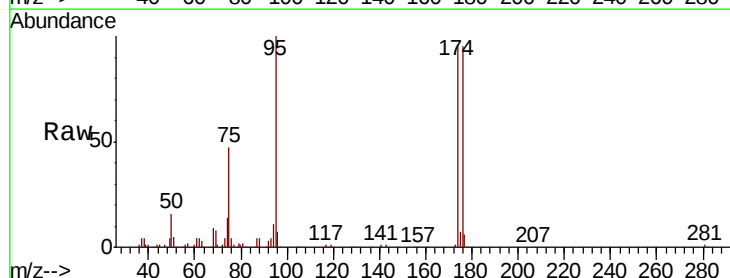
Tgt Ion: 95 Resp: 170816

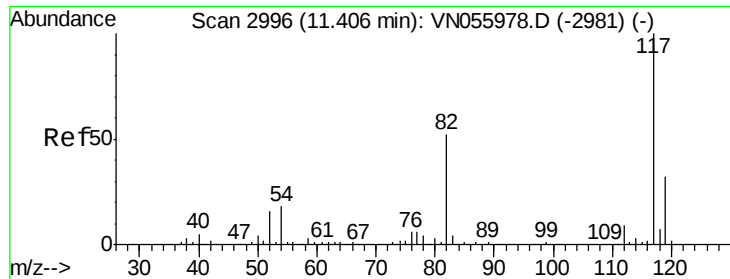
Ion Ratio Lower Upper

95 100

174 97.0 0.0 191.0

176 95.0 0.0 185.2

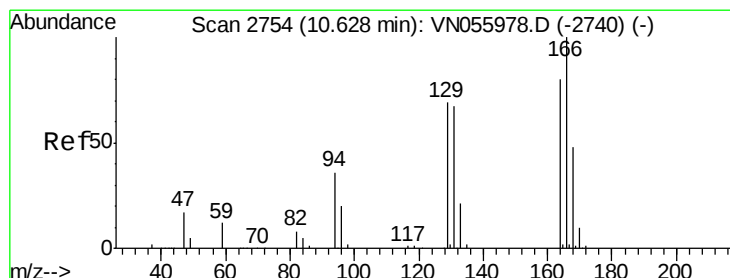
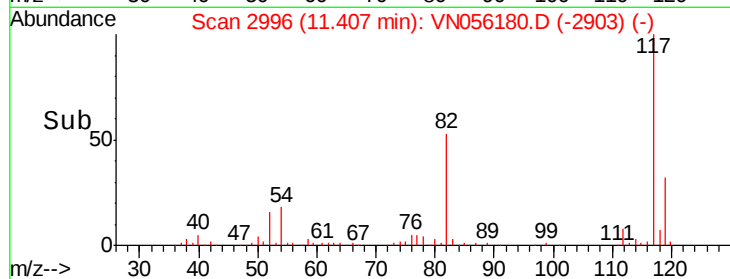
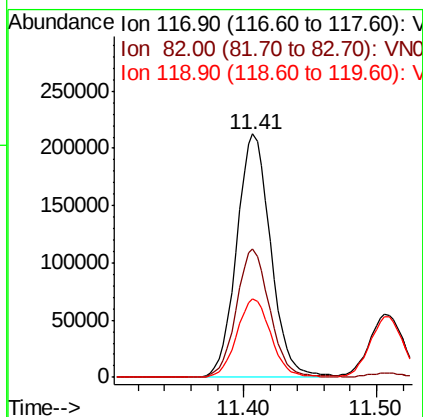
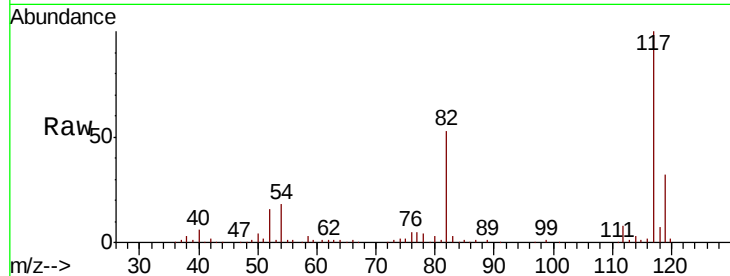




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

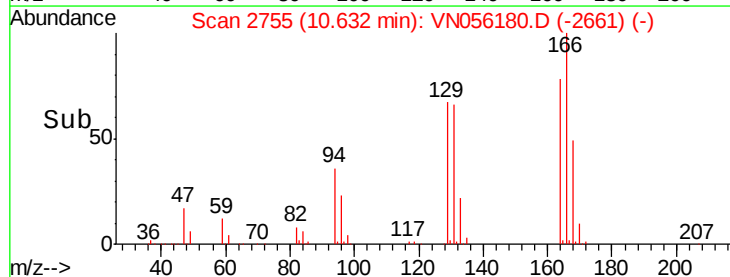
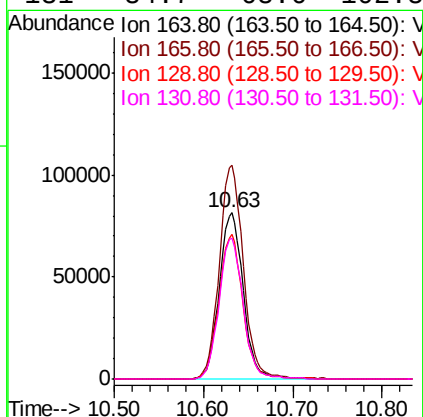
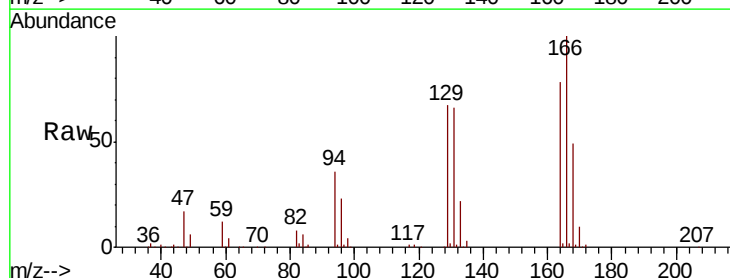
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

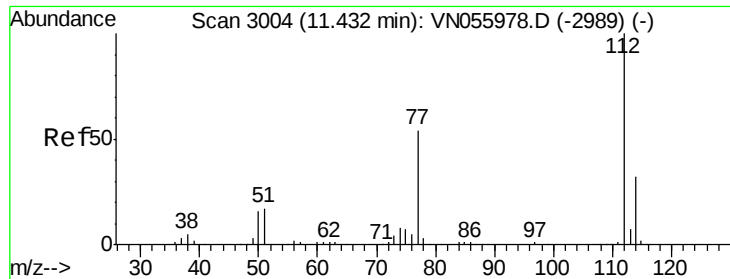
Tot Ion:117 Resp: 379827
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.8
119 32.1 25.4 38.0



#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

Tgt 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

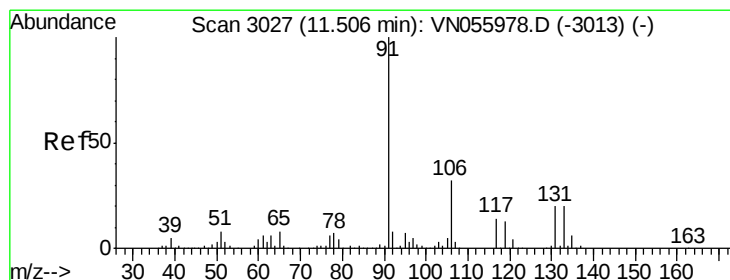
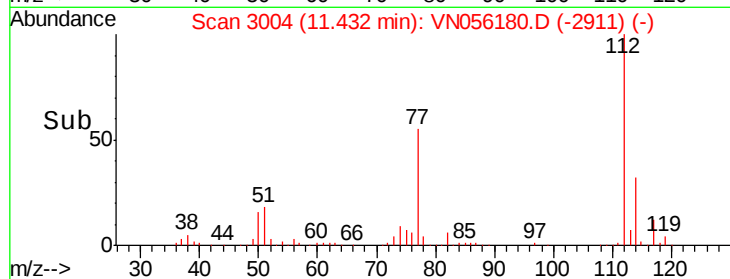
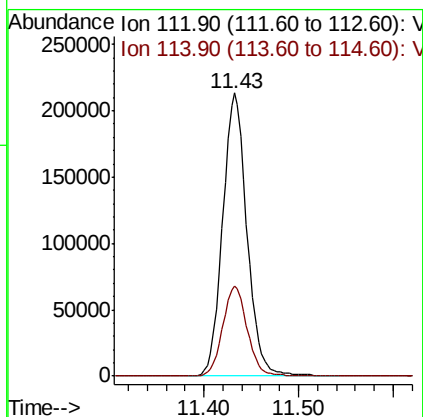
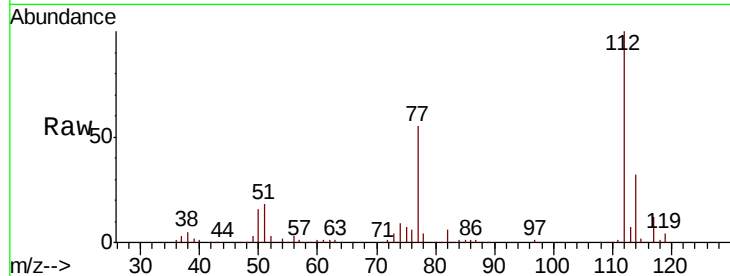




#65
Chlorobenzene
Concen: 50.331 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

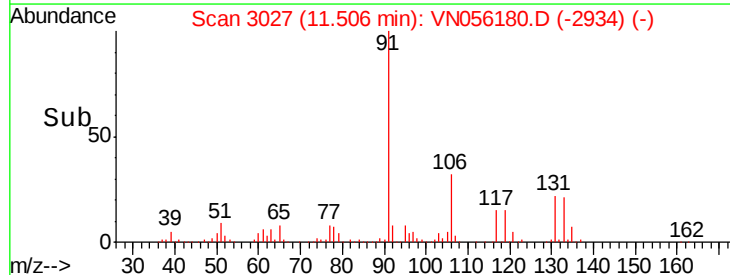
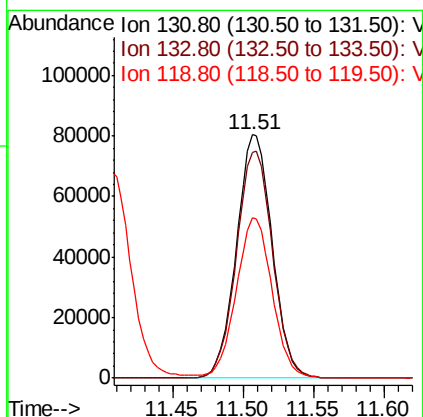
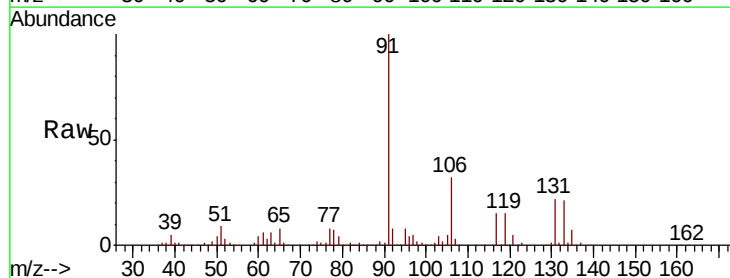
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

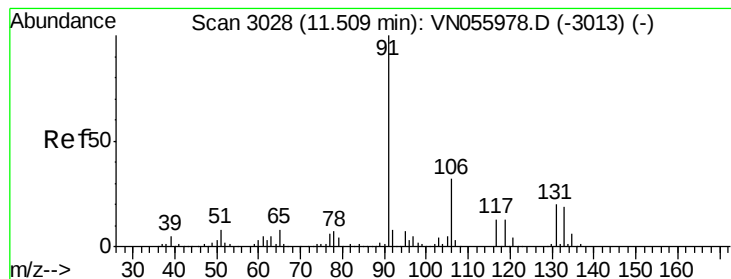
Tot Ion:112 Resp: 380466
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#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

Tgt Ion:131 Resp: 142775
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.0
119 66.2 33.1 99.5





#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

Instrument :

MSVOA_N

ClientSampleId :

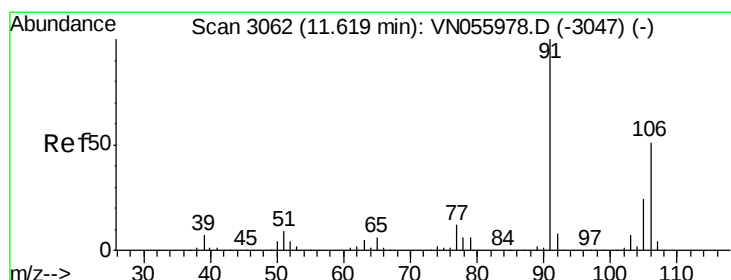
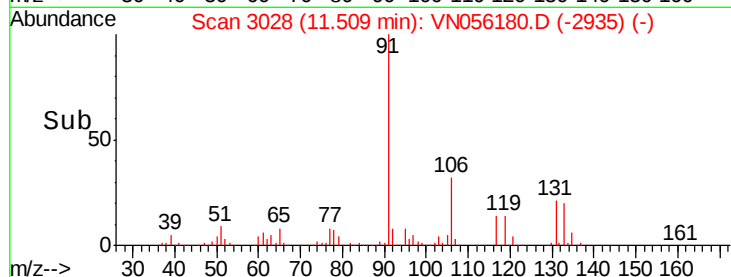
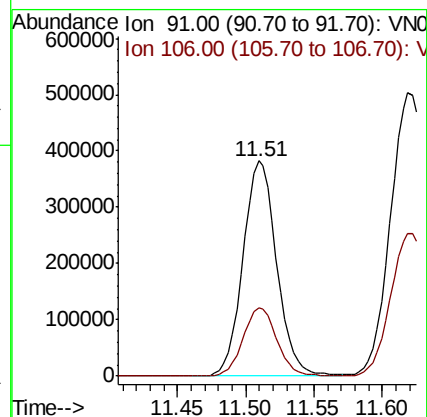
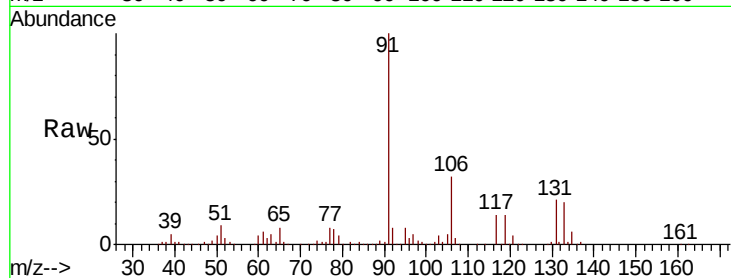
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 91 Resp: 656530

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

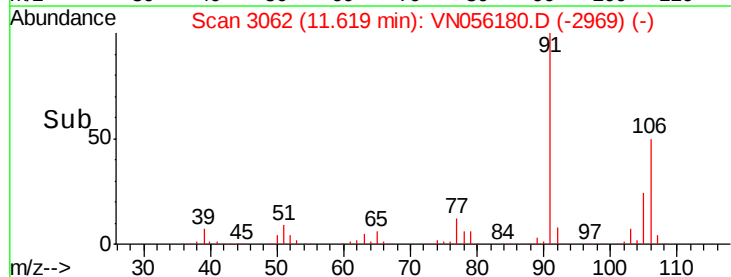
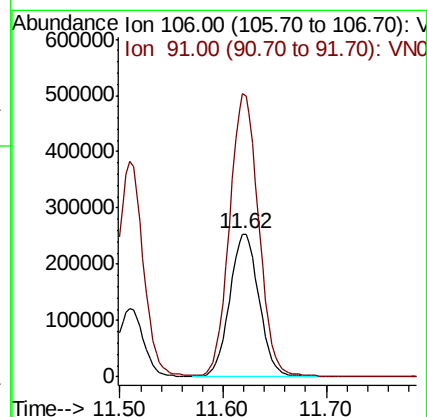
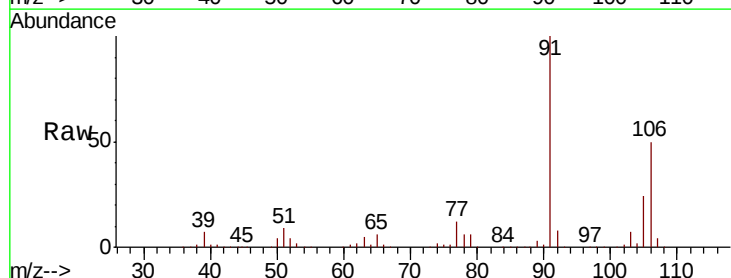
Acq: 10 Jun 2019 19:34

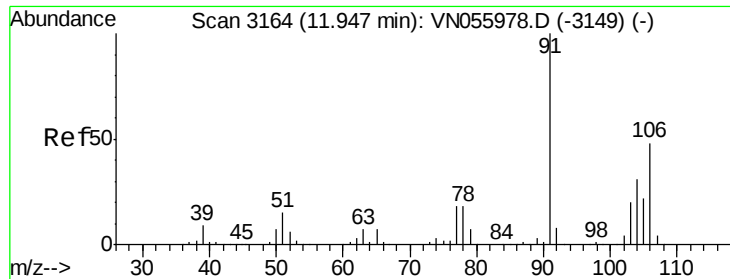
Tgt Ion: 106 Resp: 504381

Ion Ratio Lower Upper

106 100

91 196.8 159.3 238.9

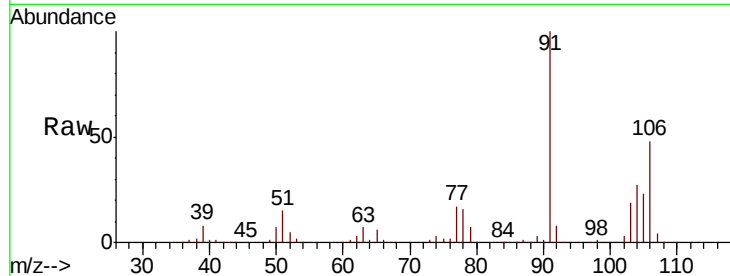




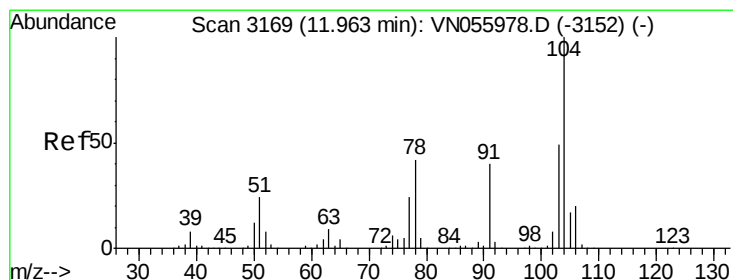
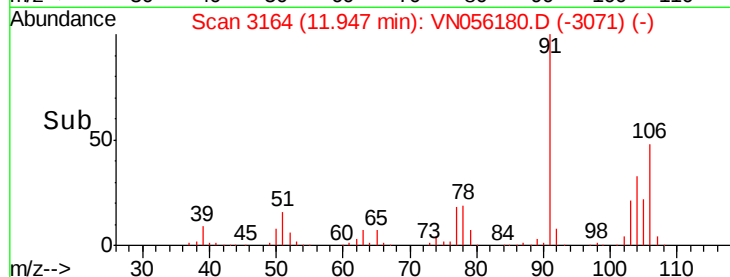
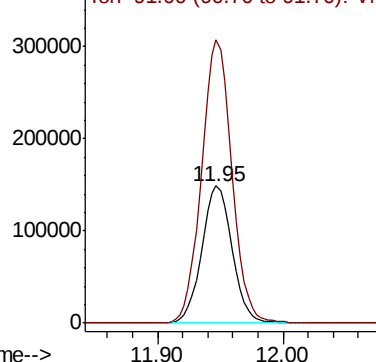
#69
o-Xylene
Concen: 50.504 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

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

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

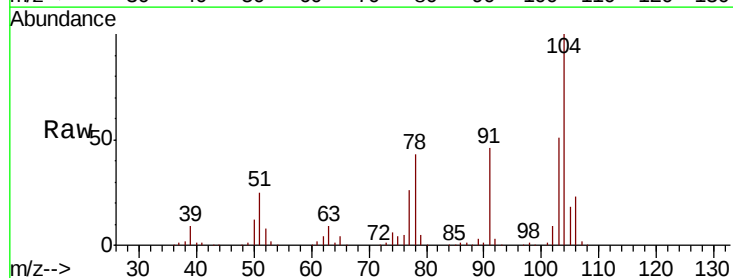


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

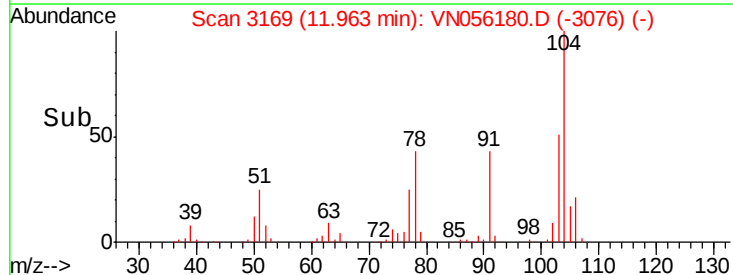
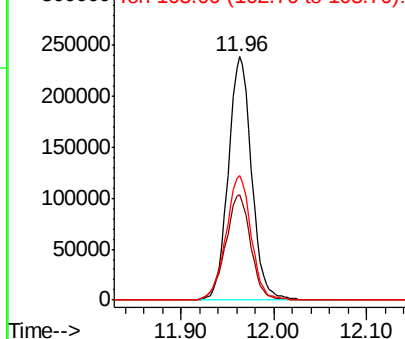


#70
Styrene
Concen: 53.116 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion:104 Resp: 416845
Ion Ratio Lower Upper
104 100
78 46.7 37.8 56.6
103 55.0 44.2 66.2



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





#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

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

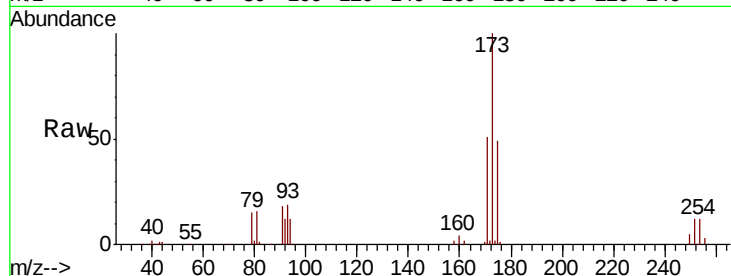
Tot Ion:173 Resp: 112570

Ion Ratio Lower Upper

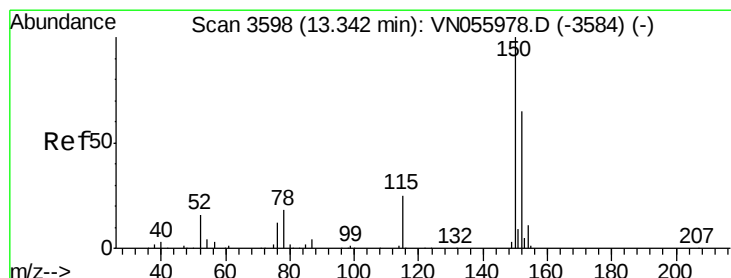
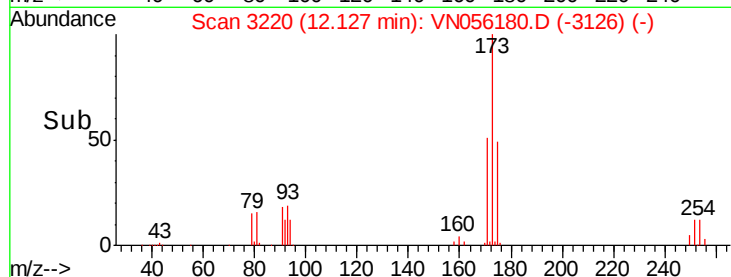
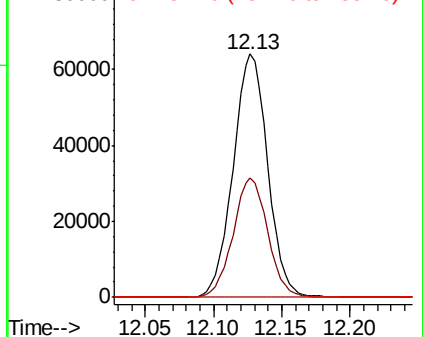
173 100

175 49.1 24.3 72.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056180.D

Acq: 10 Jun 2019 19:34

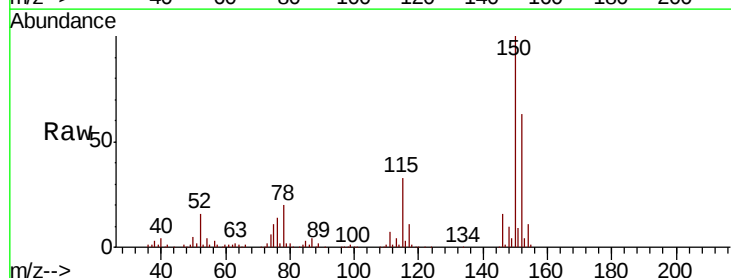
Tgt Ion:152 Resp: 170264

Ion Ratio Lower Upper

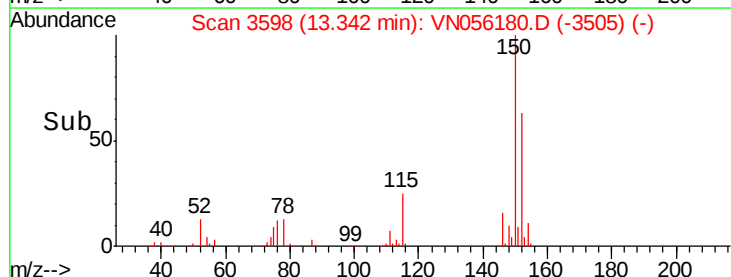
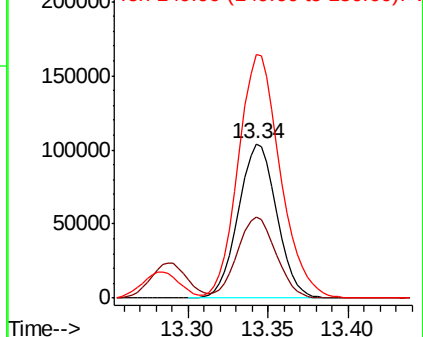
152 100

115 52.9 27.0 81.0

150 173.4 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 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

Instrument :

MSVOA_N

ClientSampleId :

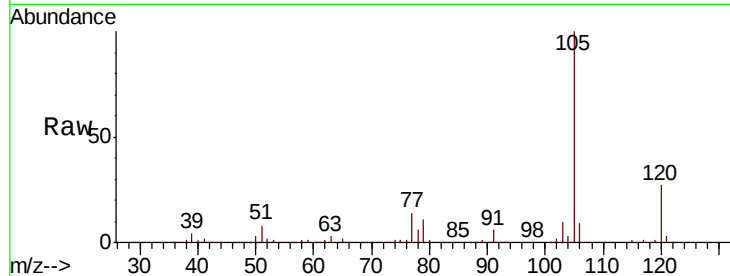
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:105 Resp: 647992

Ion Ratio Lower Upper

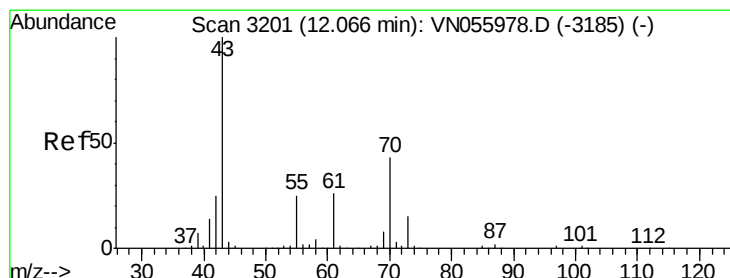
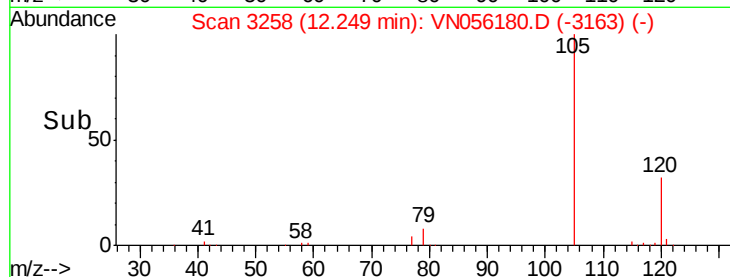
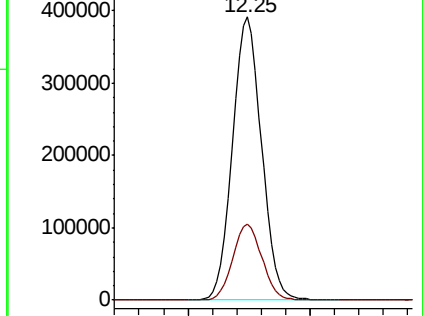
105 100

120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl 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

Tgt Ion: 43 Resp: 220164

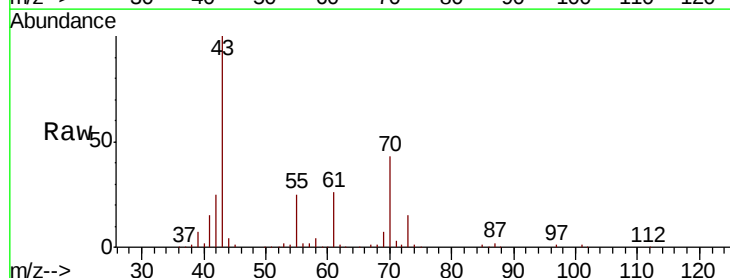
Ion Ratio Lower Upper

43 100

70 43.8 34.0 51.0

55 25.4 18.6 28.0

61 25.4 20.0 30.0

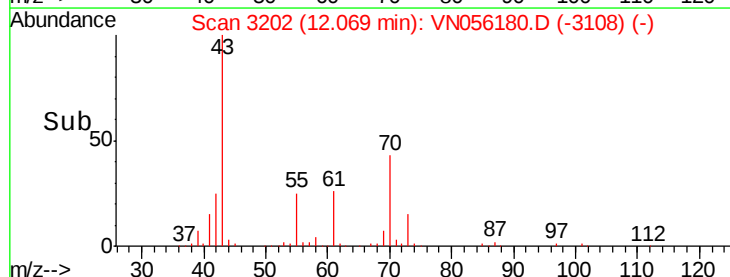
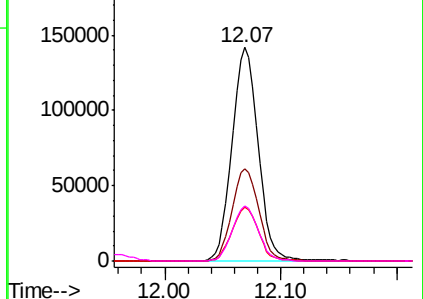


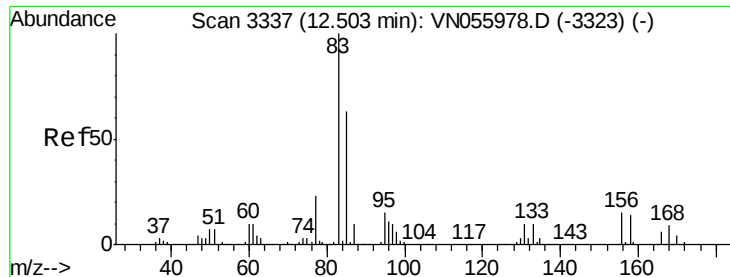
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#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

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

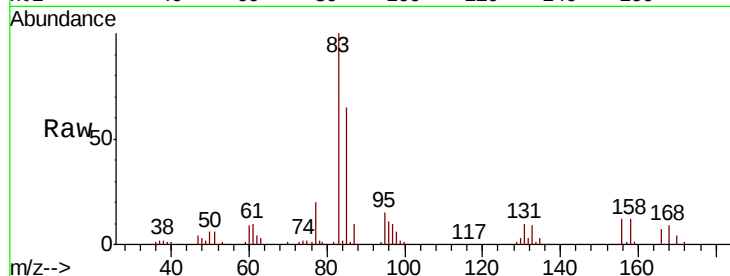
Tot Ion: 83 Resp: 202244

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

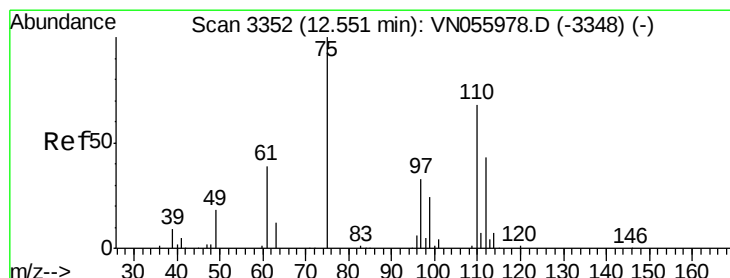
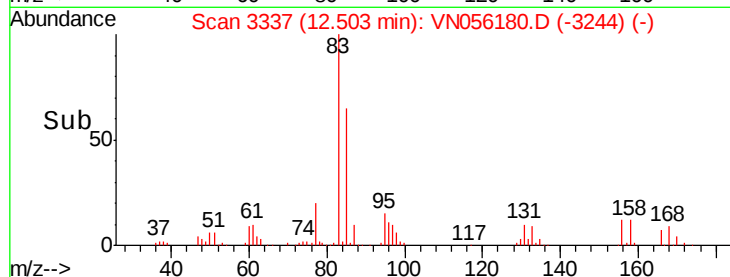
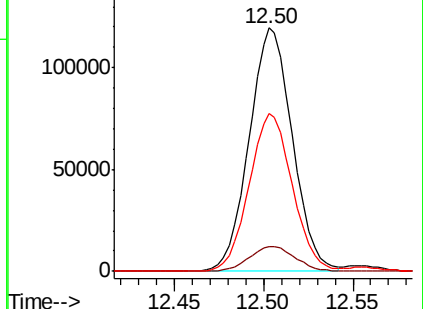
85 64.9 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055978.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 74.471 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056180.D

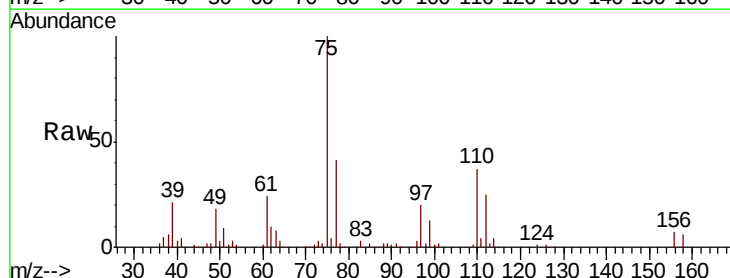
Acq: 10 Jun 2019 19:34

Tgt Ion: 75 Resp: 233313

Ion Ratio Lower Upper

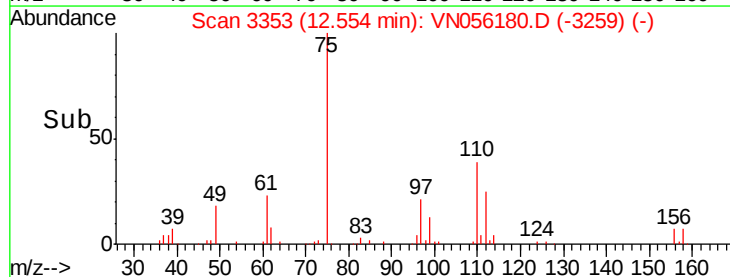
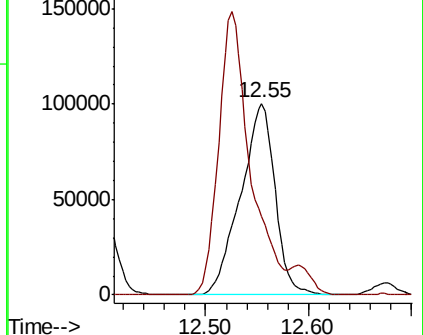
75 100

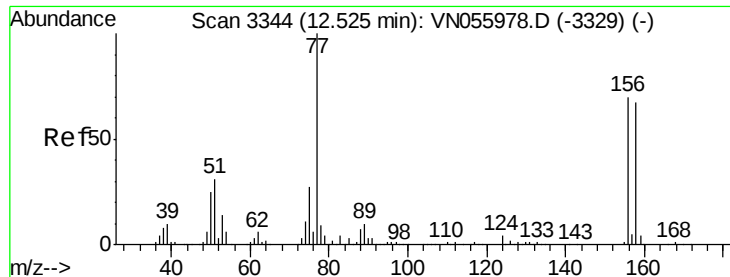
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)

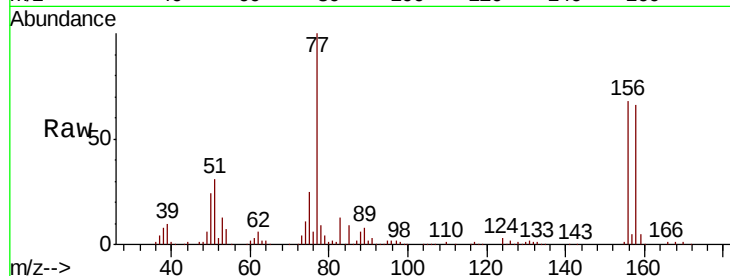




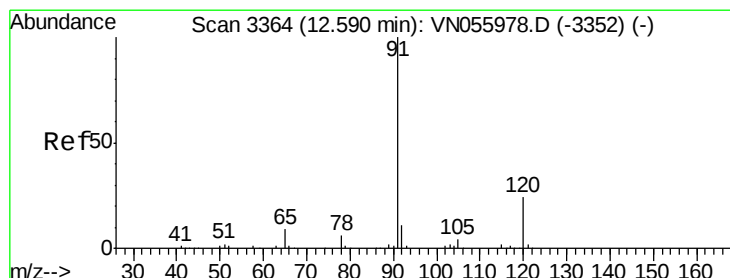
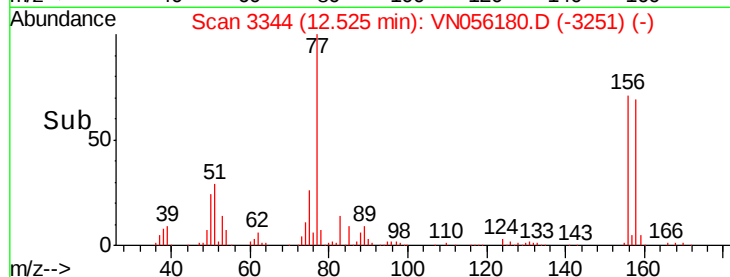
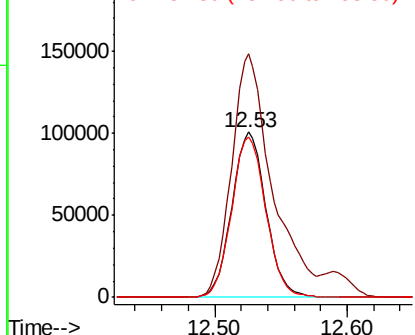
#77
Bromobenzene
Concen: 49.306 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

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

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

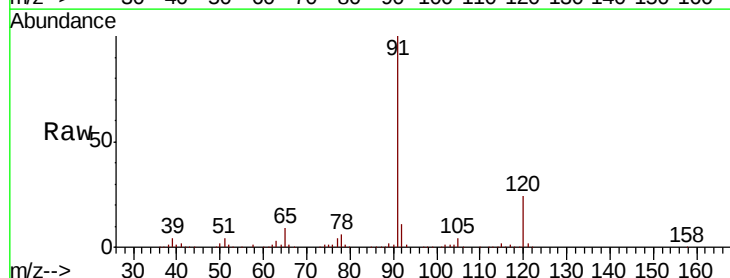


Abundance Ion 155.80 (155.50 to 156.50): V
200000 Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

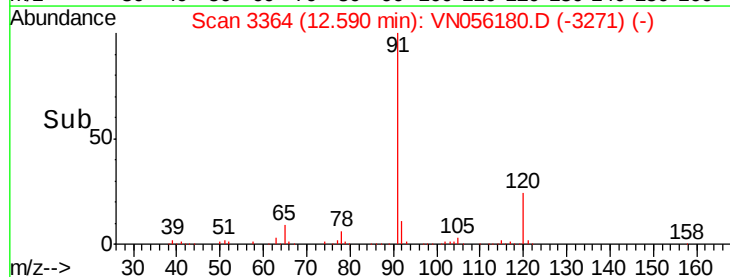
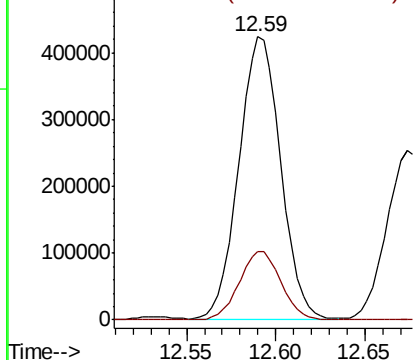


#78
n-propylbenzene
Concen: 47.730 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion: 91 Resp: 687516
Ion Ratio Lower Upper
91 100
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
500000 Ion 120.00 (119.70 to 120.70): V





#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

Instrument :

MSVOA_N

ClientSampleId :

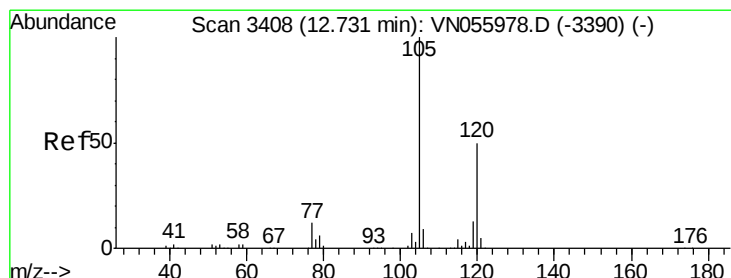
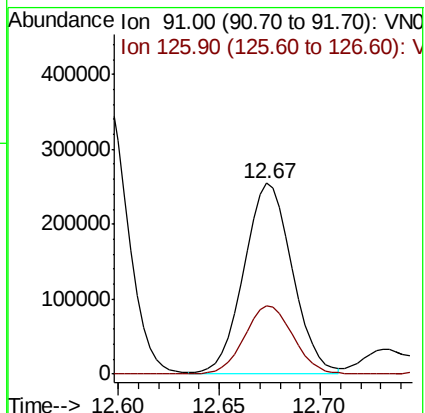
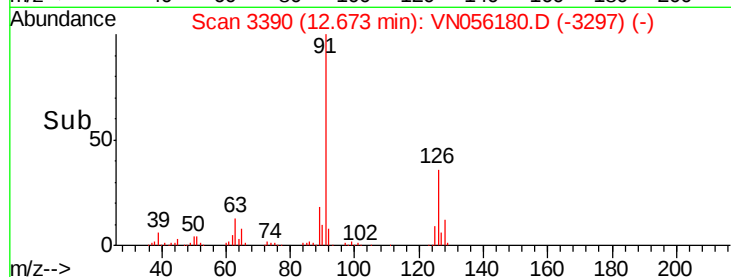
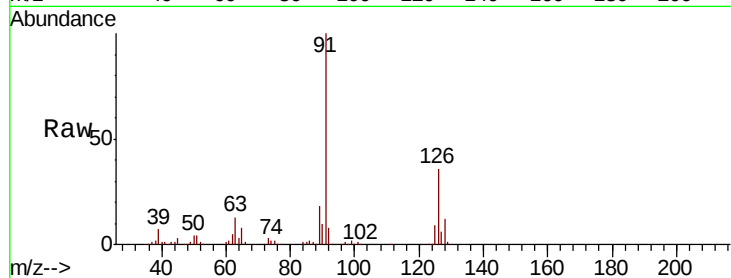
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 91 Resp: 424830

Ion Ratio Lower Upper

91 100

126 36.4 18.1 54.4



#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

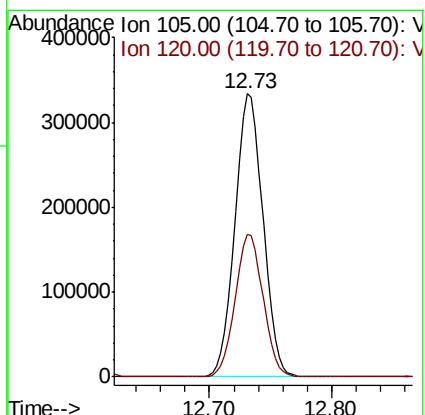
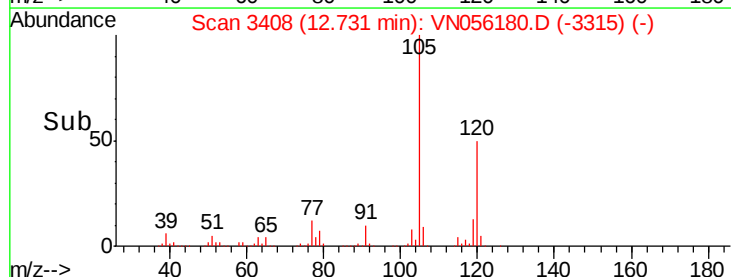
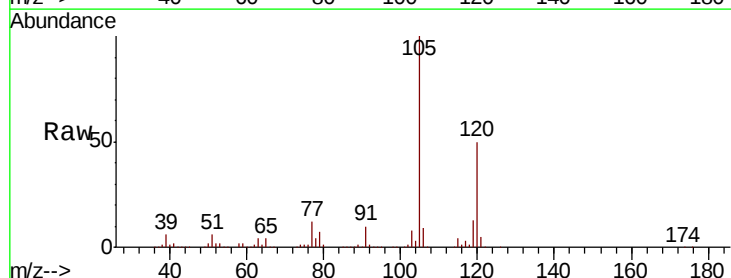
Acq: 10 Jun 2019 19:34

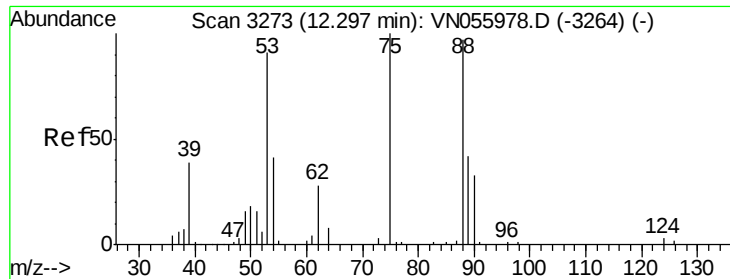
Tgt Ion: 105 Resp: 532310

Ion Ratio Lower Upper

105 100

120 50.2 24.7 74.1





#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

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

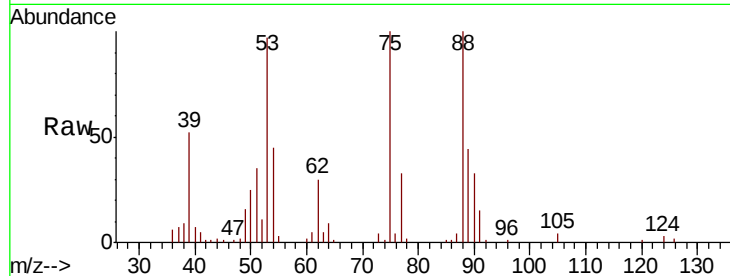
Tot Ion: 75 Resp: 48003

Ion Ratio Lower Upper

75 100

53 96.8 68.1 102.1

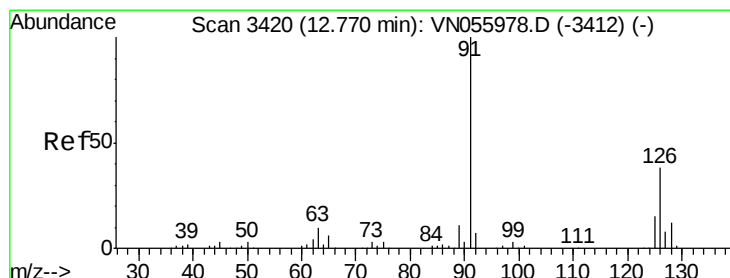
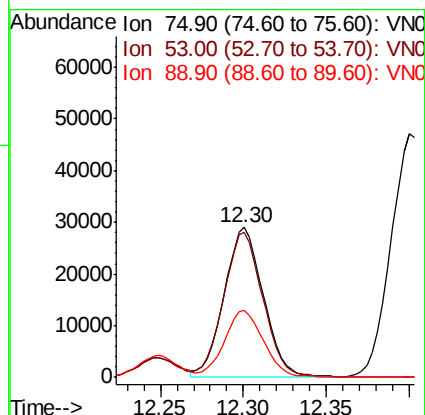
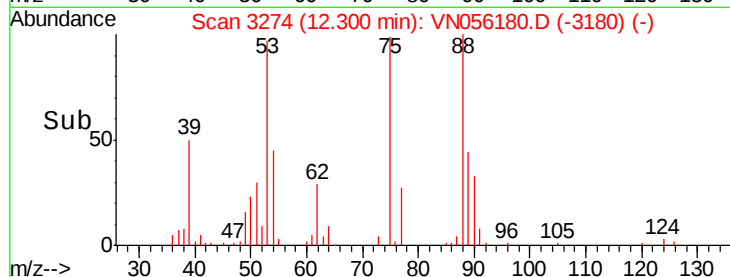
89 44.4 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.941 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056180.D

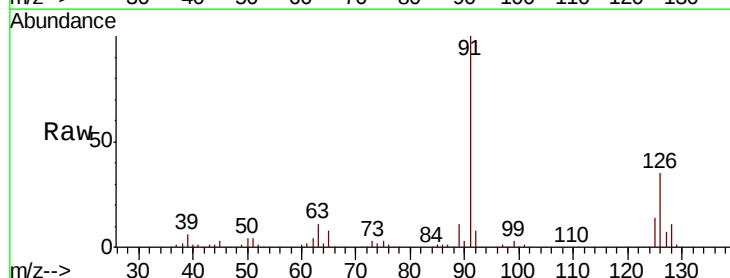
Acq: 10 Jun 2019 19:34

Tgt Ion: 91 Resp: 412430

Ion Ratio Lower Upper

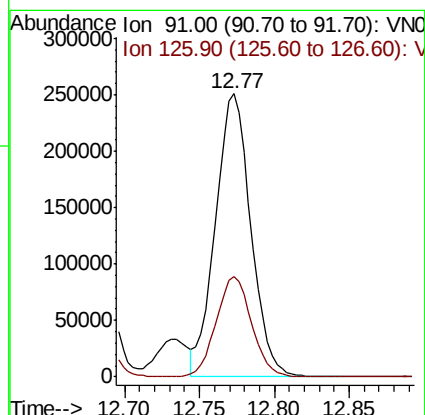
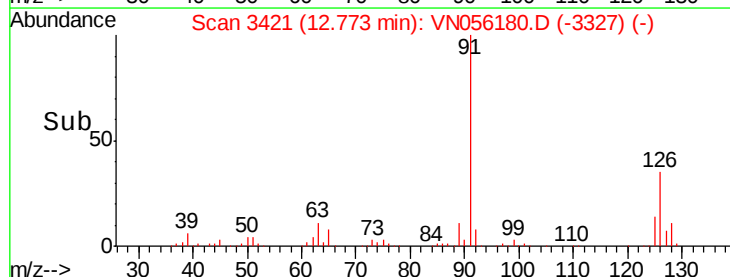
91 100

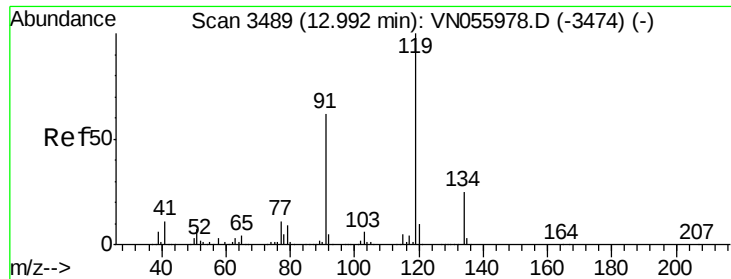
126 35.5 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

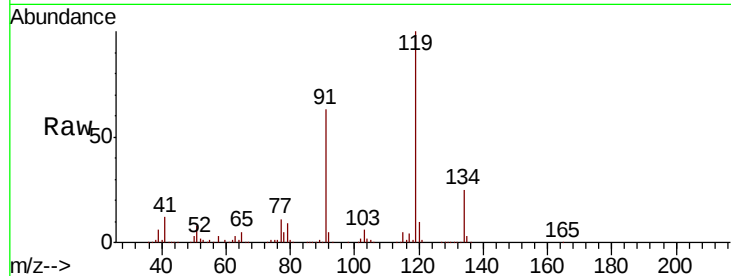




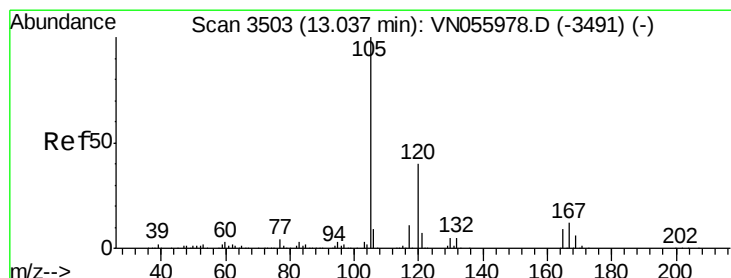
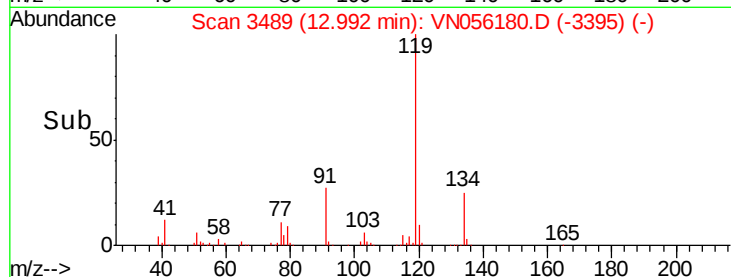
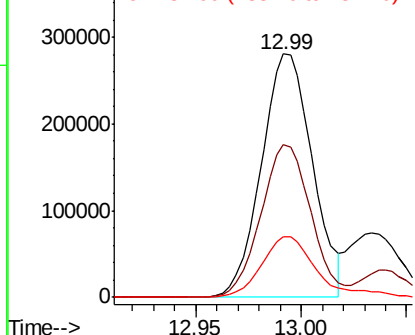
#83
tert-Butylbenzene
Concen: 53.304 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.9	92.8
134	27.1	13.3	39.8

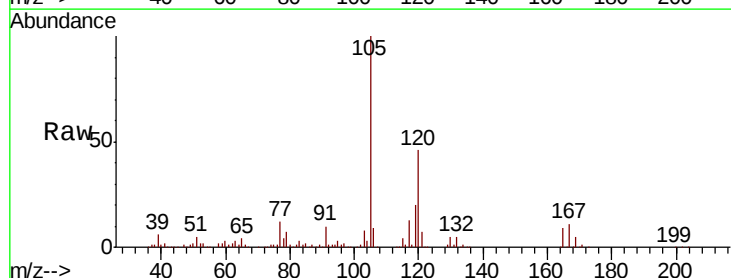


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

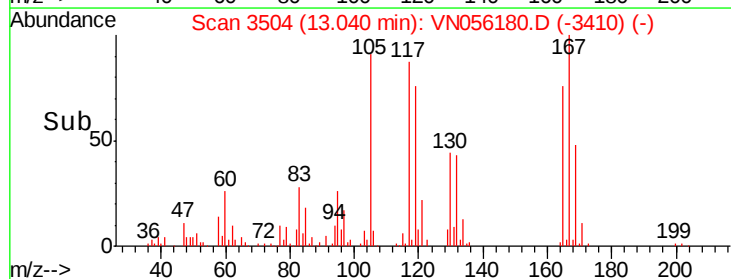
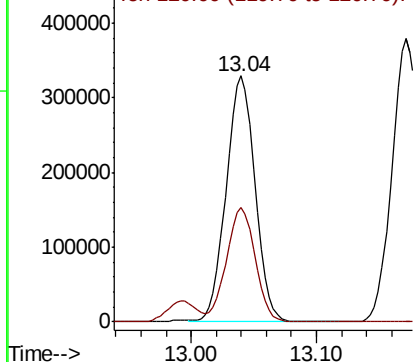


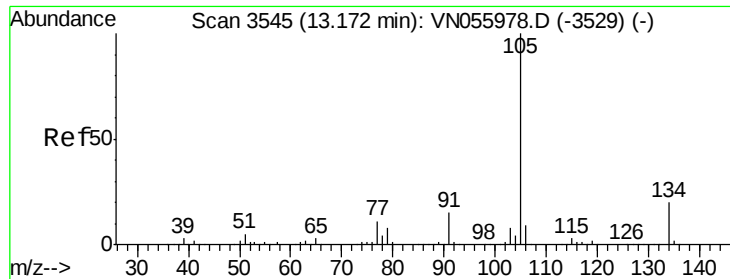
#84
1,2,4-Trimethylbenzene
Concen: 48.395 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.0	69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#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

Instrument :

MSVOA_N

ClientSampleId :

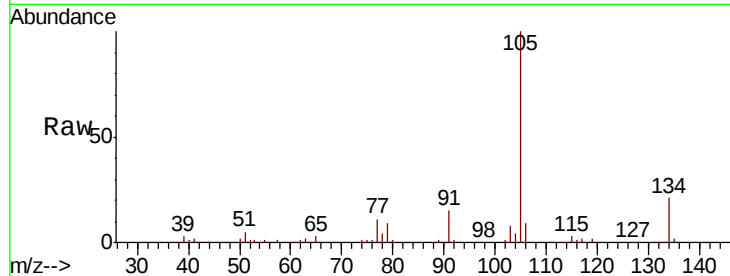
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:105 Resp: 602932

Ion Ratio Lower Upper

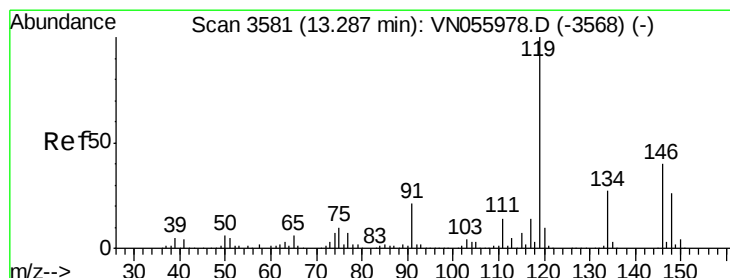
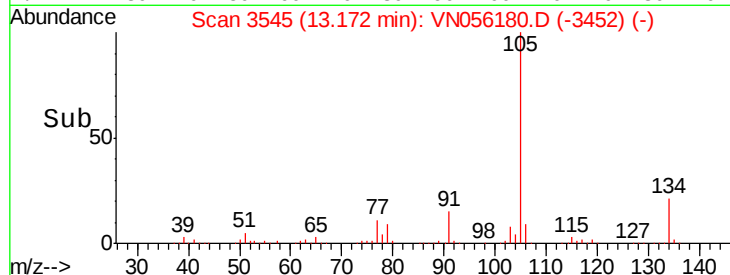
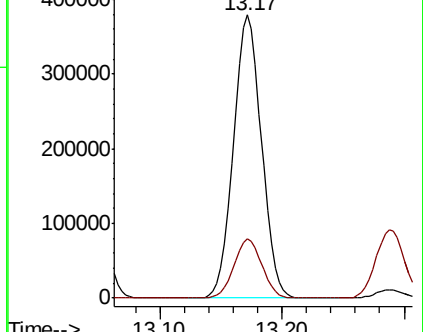
105 100

134 20.9 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#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

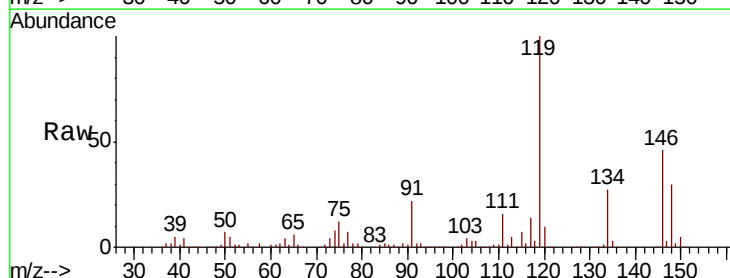
Tgt Ion:119 Resp: 542464

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

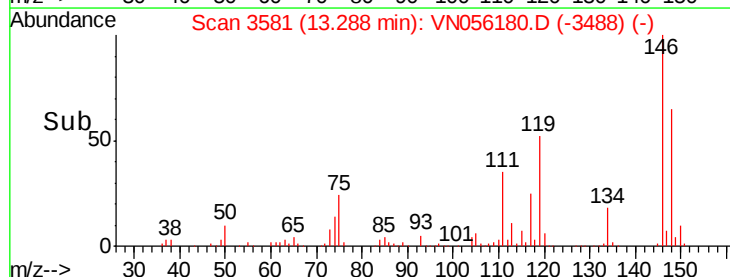
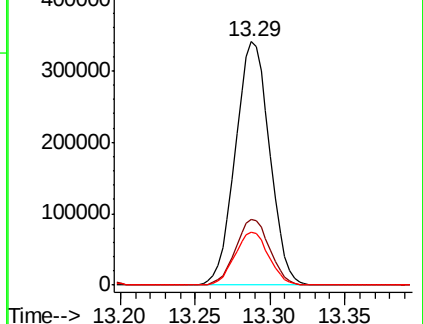
91 21.6 10.9 32.9

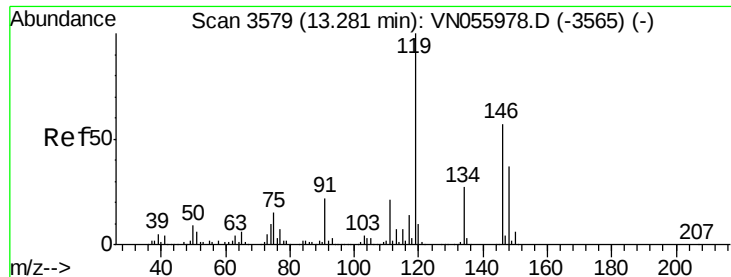


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

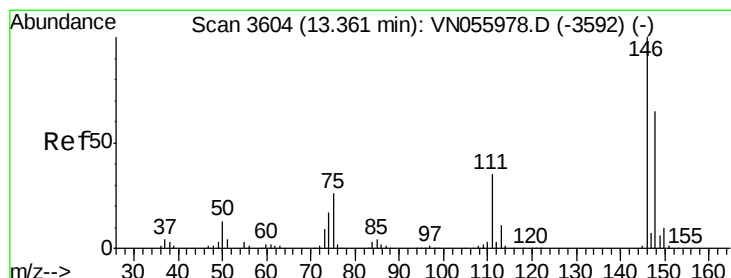
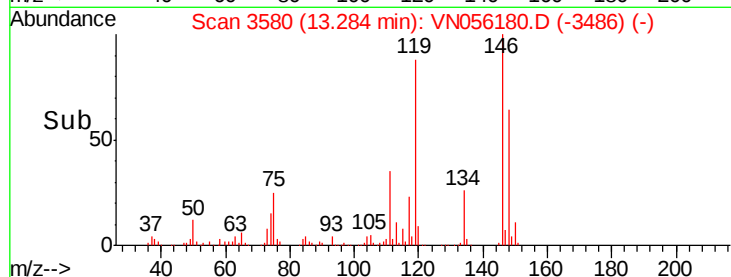
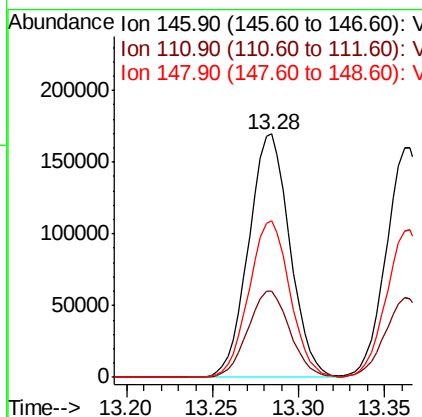
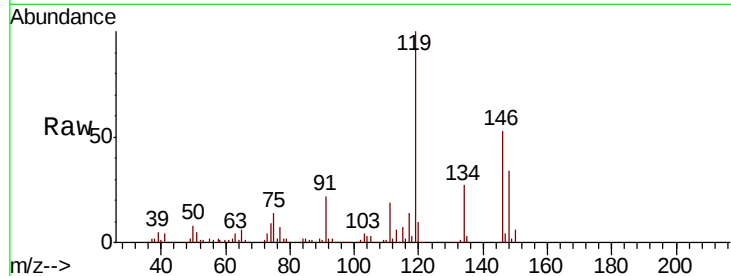




#87
 1,3-Dichlorobenzene
 Concen: 50.088 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

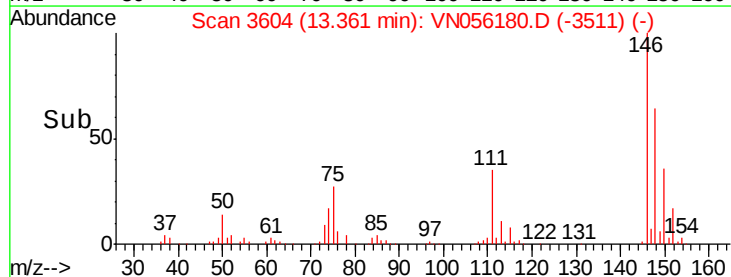
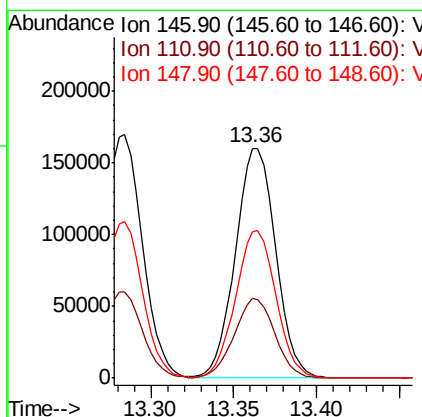
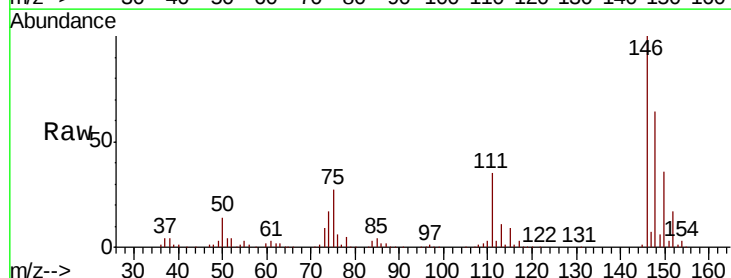
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

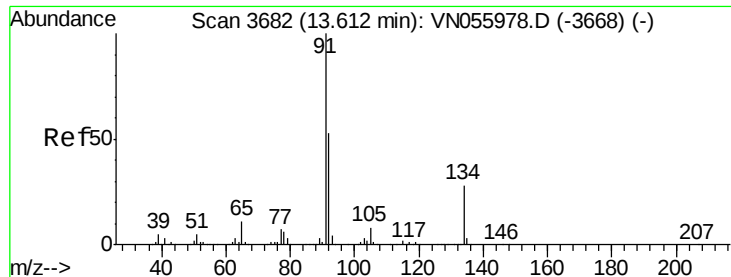
Tot Ion:146 Resp: 282590
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.5 55.5
 148 64.0 32.0 96.2



#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

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

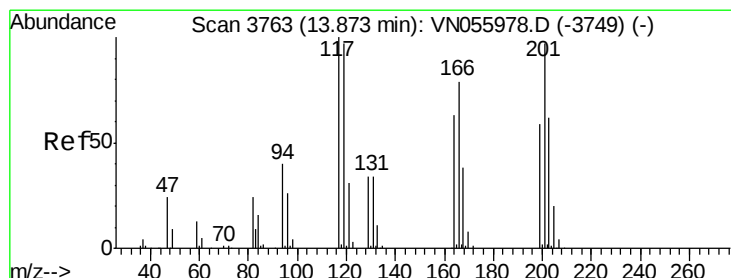
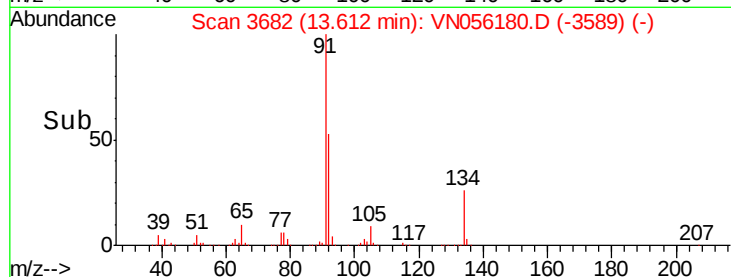
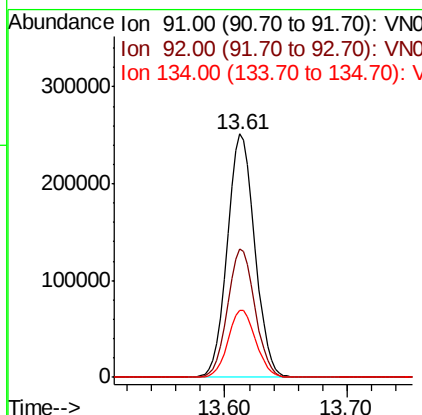
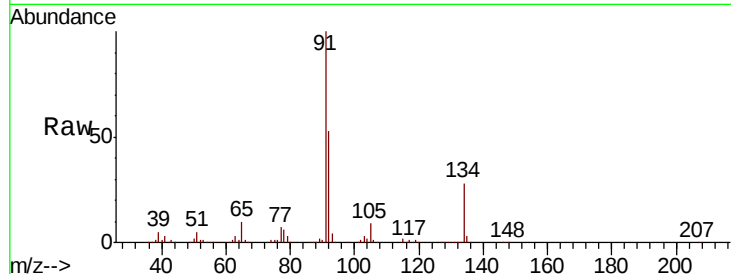




#89
n-Butylbenzene
Concen: 46.841 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056180.D
Acq: 10 Jun 2019 19:34

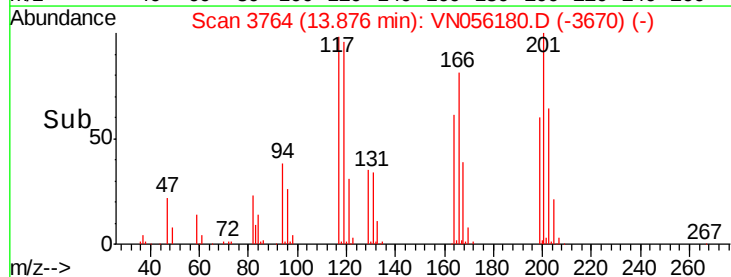
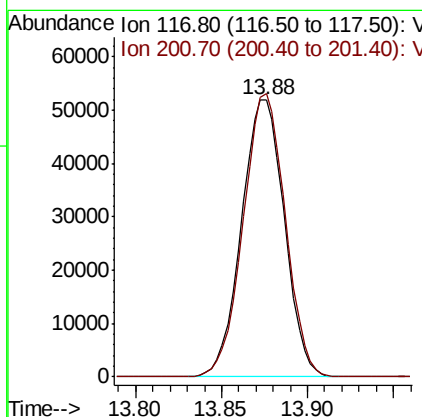
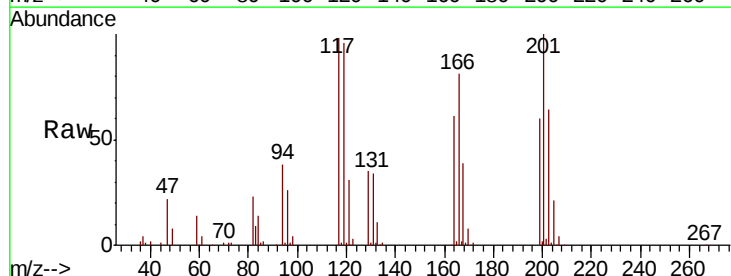
Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	91	Resp	396137
Ion Ratio	100	Lower	Upper
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

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





#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

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

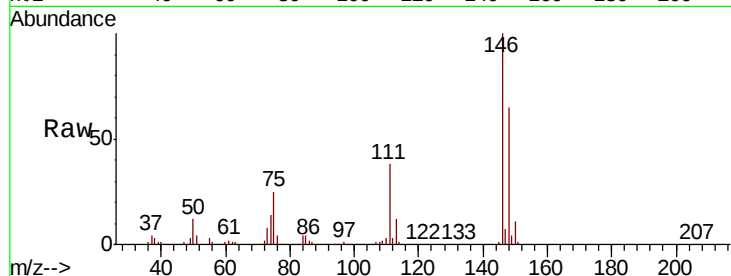
Tot Ion:146 Resp: 279595

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.5

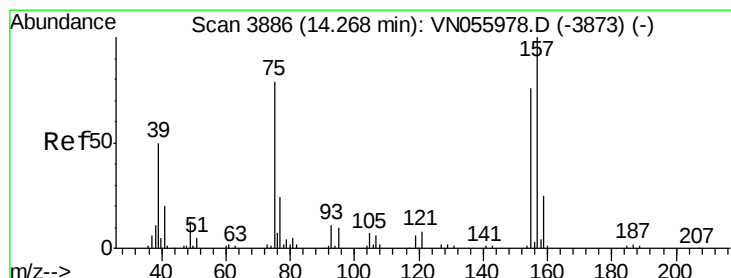
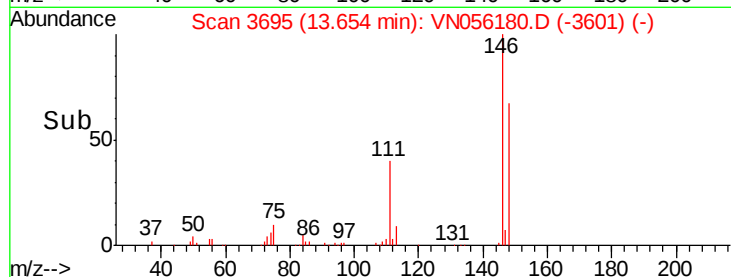
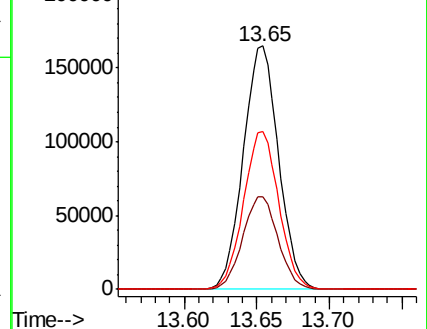
148 64.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#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

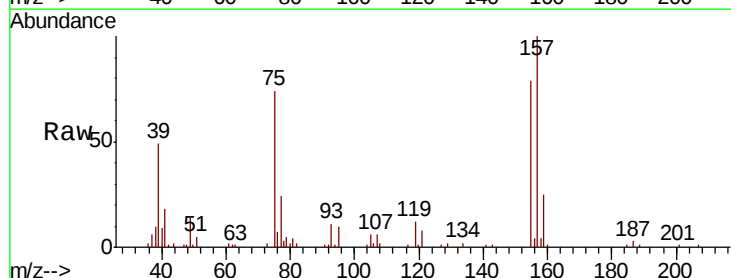
Tgt Ion: 75 Resp: 32622

Ion Ratio Lower Upper

75 100

155 105.1 50.0 150.1

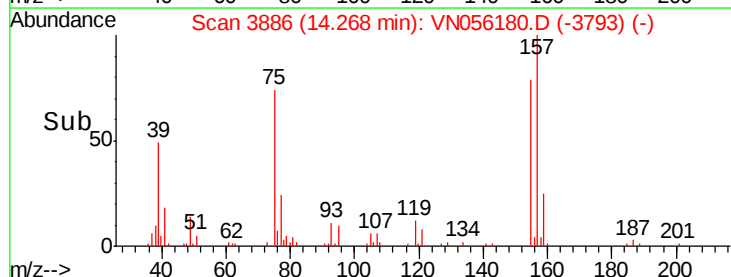
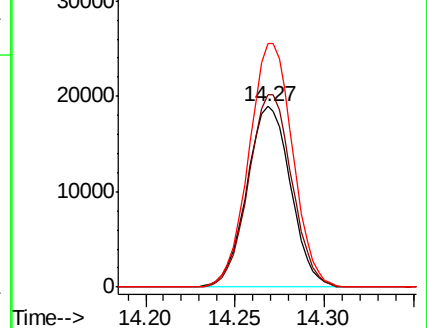
157 134.2 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

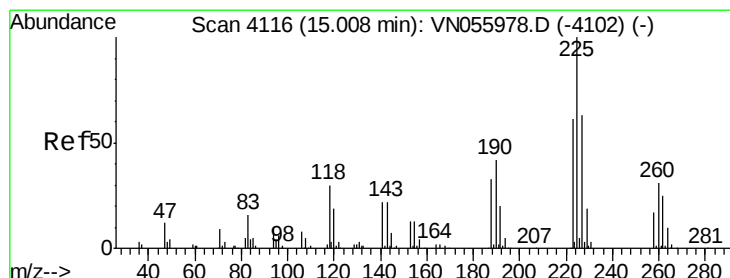
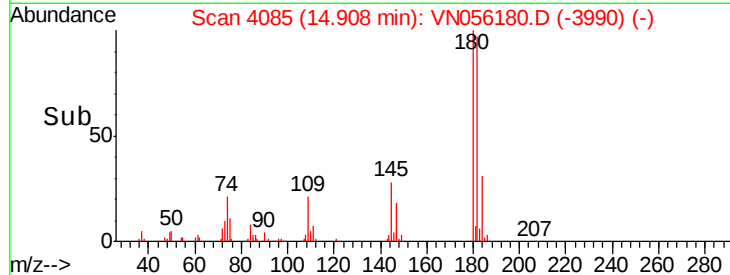
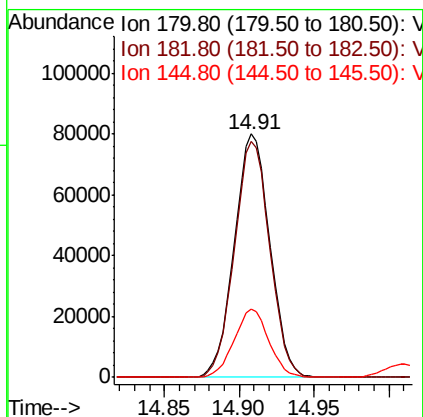
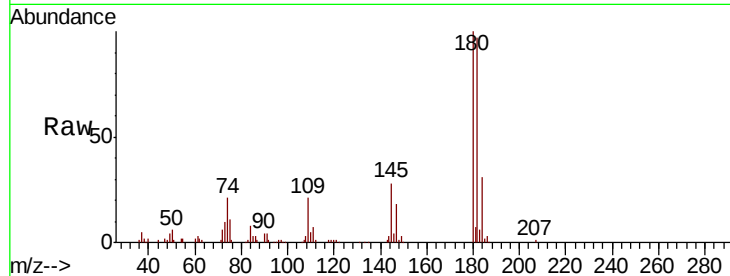




#93
 1,2,4-Trichlorobenzene
 Concen: 42.862 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056180.D
 Acq: 10 Jun 2019 19:34

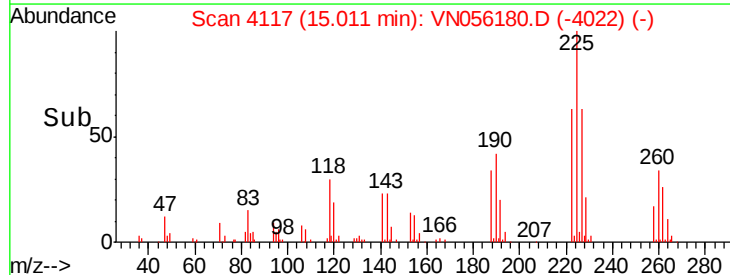
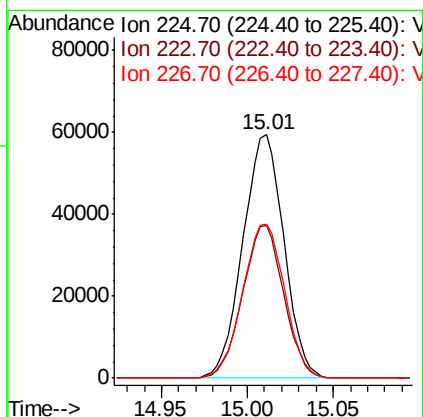
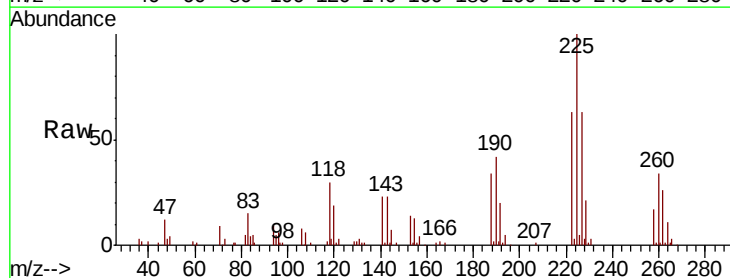
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

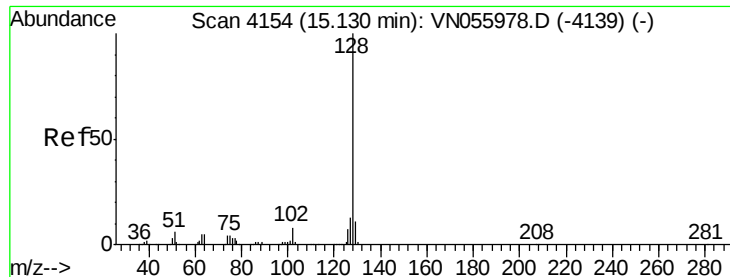
Tot Ion:180 Resp: 132448
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.3 144.9
 145 27.2 14.0 41.9



#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

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





#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

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

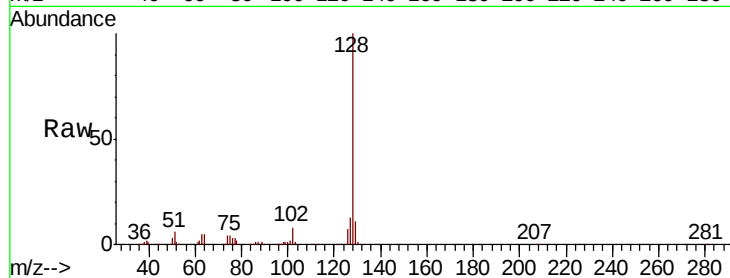
Tot Ion:128 Resp: 367173

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

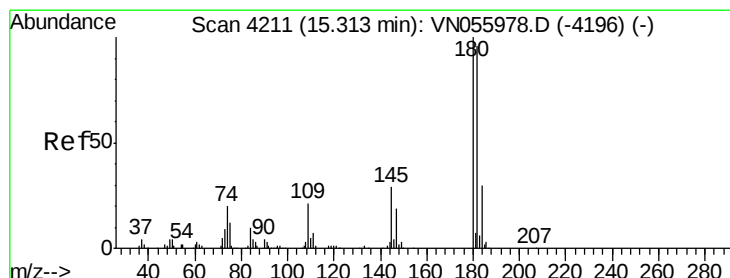
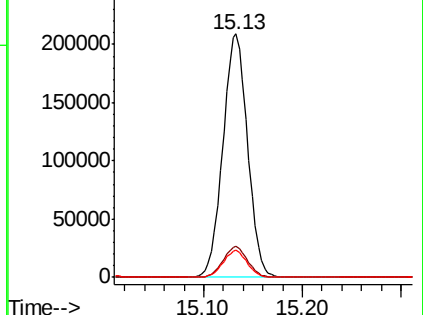
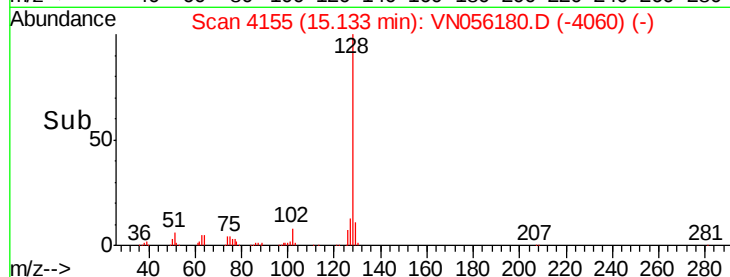
129 10.7 8.7 13.1



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

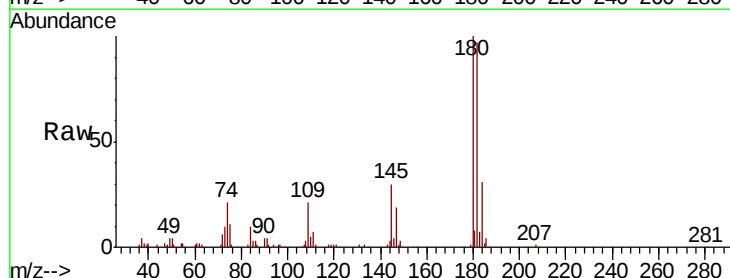
Tgt Ion:180 Resp: 148126

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.7

145 29.1 14.9 44.7



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

