

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056218.D
 Acq On : 11 Jun 2019 13:06
 Operator : JC/SP
 Sample : K3284-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW310S-20190609

Quant Time: Jun 12 06:33:25 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	307430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	462155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130130	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	161240	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
35) Dibromofluoromethane	7.59	113	151367	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
50) Toluene-d8	10.09	98	589980	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	
62) 4-Bromofluorobenzene	12.40	95	176195	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	

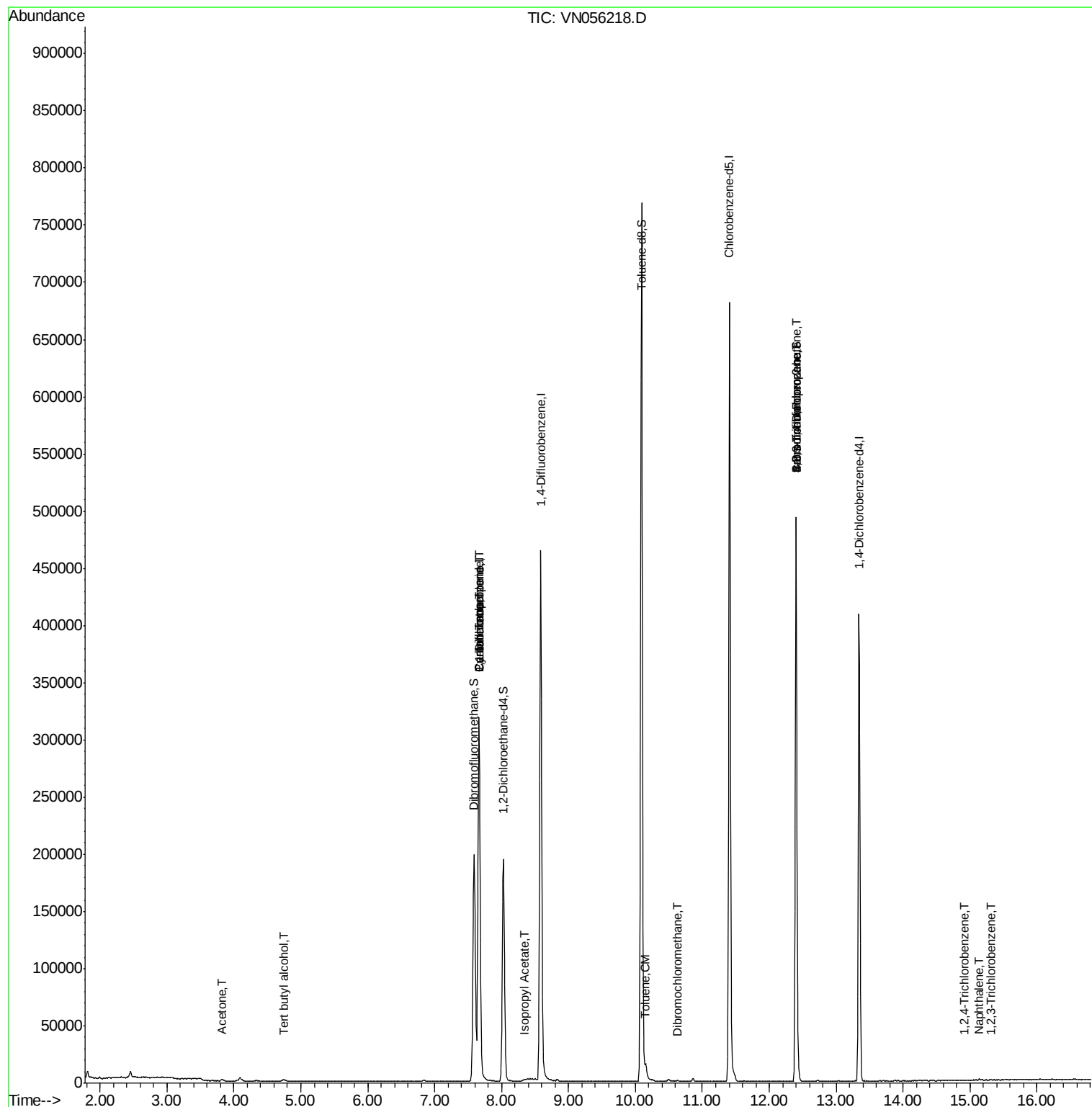
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	1342	2.526	ug/l #	74
16) Acetone	3.82	43	3081	2.110	ug/l	100
18) Methyl Acetate	4.34	43	1069	Below Cal	#	51
31) Cyclohexane	7.66	56	4514	0.932	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17099	4.303	ug/l #	47
38) Carbon Tetrachloride	7.66	117	24787	6.766	ug/l #	15
43) Isopropyl Acetate	8.34	43	1555	0.271	ug/l #	53
52) Toluene	10.16	92	4130	0.550	ug/l	99
60) Dibromochloromethane	10.63	129	29	2.460	ug/l #	11
71) Bromoform	12.39	173	355	2.873	ug/l #	29
73) Isopropylbenzene	12.25	105	67	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	81024	33.838	ug/l #	100
79) 2-Chlorotoluene	12.67	91	29	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	81024	112.688	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	153	4.328	ug/l #	63
95) Naphthalene	15.13	128	939	3.991	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	158	3.092	ug/l #	77

(#) = 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: VN056218.D

Acq: 11 Jun 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

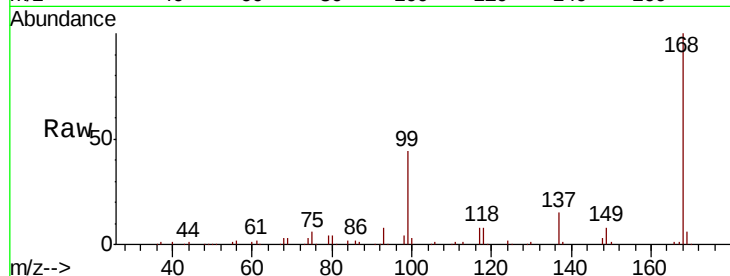
BPS1-TT-MW310S-20190609

Tot Ion:168 Resp: 307430

Ion Ratio Lower Upper

168 100

99 44.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

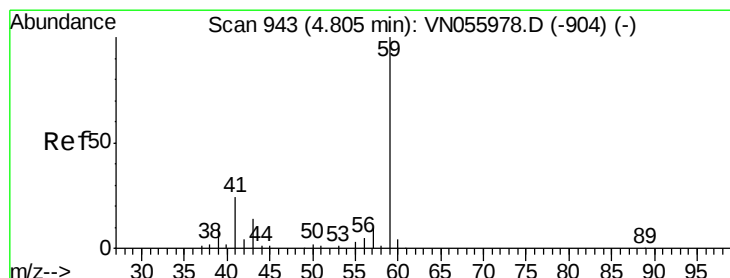
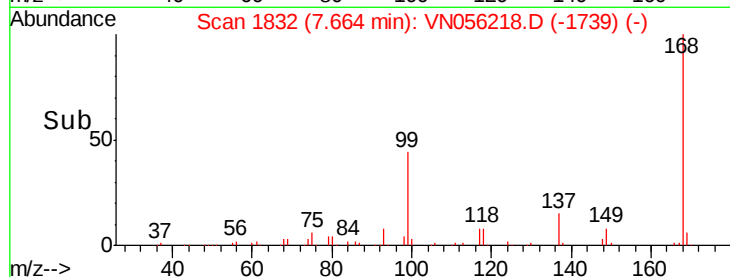
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 2.526 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.06 min

Lab File: VN056218.D

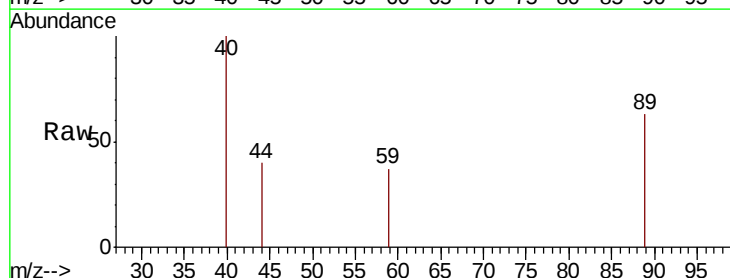
Acq: 11 Jun 2019 13:06

Tgt Ion: 59 Resp: 1342

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

500

400

300

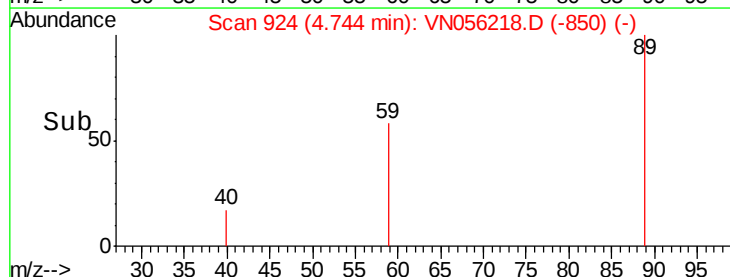
200

100

0

Time-->

4.70 4.75 4.80





#16

Acetone

Concen: 2.110 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056218.D

Acq: 11 Jun 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

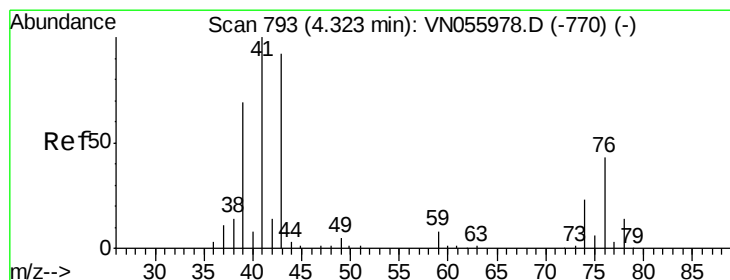
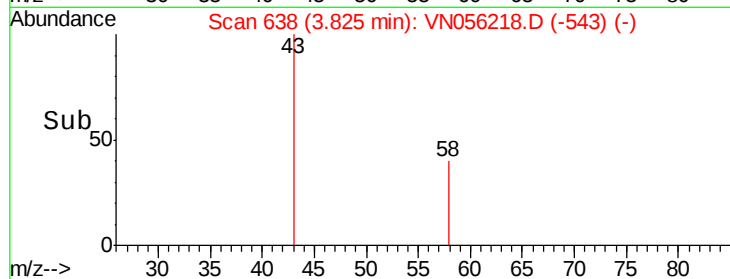
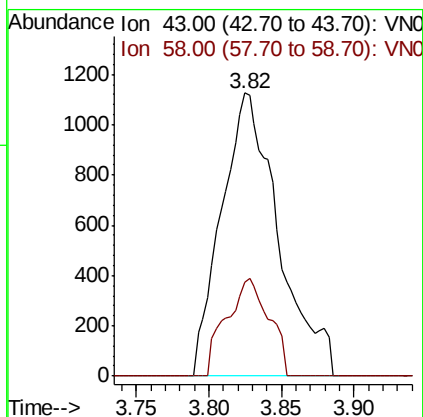
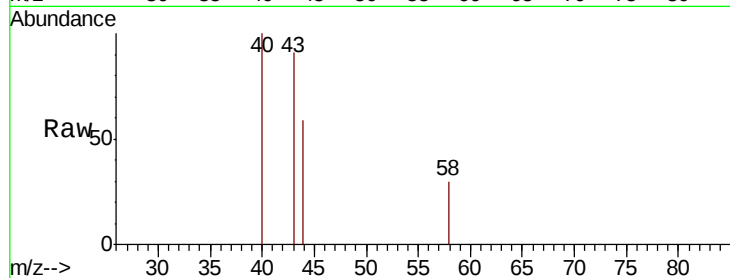
BPS1-TT-MW310S-20190609

Tot Ion: 43 Resp: 3081

Ion Ratio Lower Upper

43 100

58 33.4 26.6 39.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056218.D

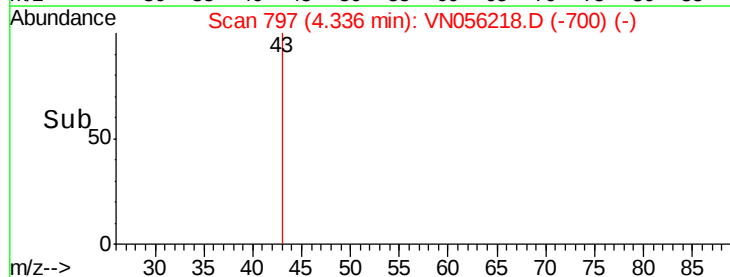
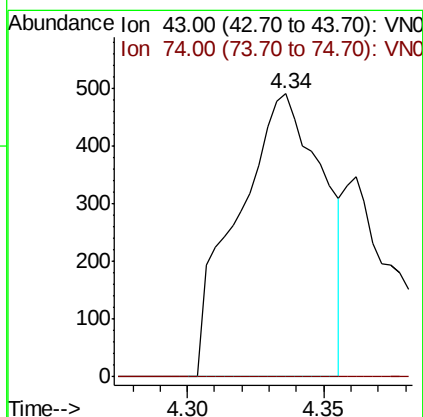
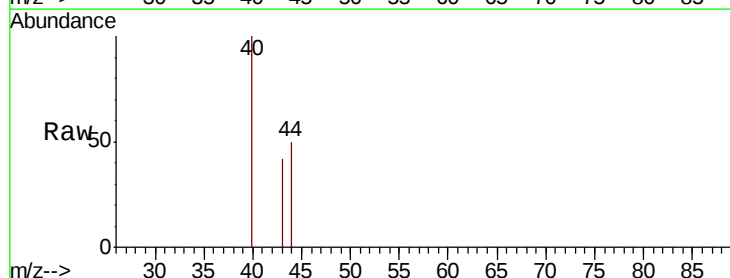
Acq: 11 Jun 2019 13:06

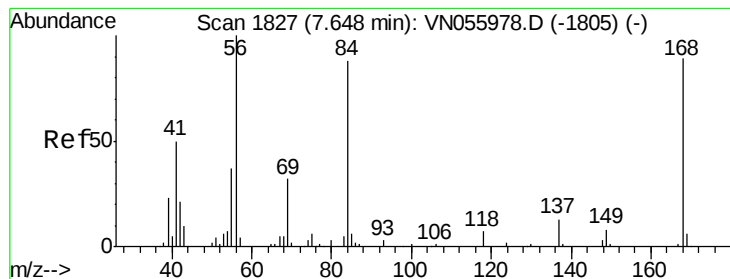
Tgt Ion: 43 Resp: 1069

Ion Ratio Lower Upper

43 100

74 0.0 19.3 28.9#





#31

Cyclohexane

Concen: 0.932 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056218.D

Acq: 11 Jun 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW310S-20190609

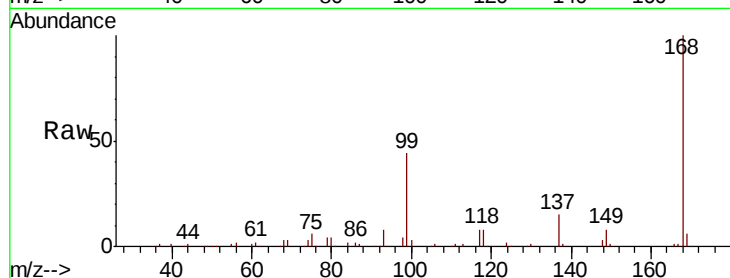
Tot Ion: 56 Resp: 4514

Ion Ratio Lower Upper

56 100

69 167.4 25.6 38.4#

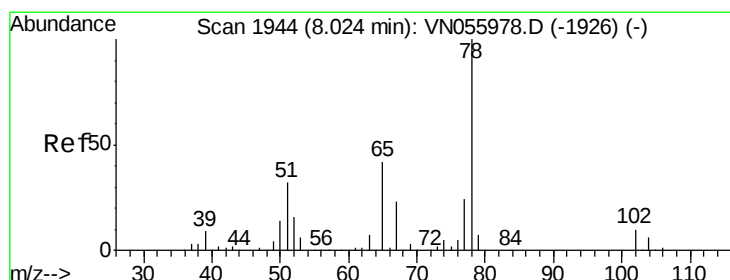
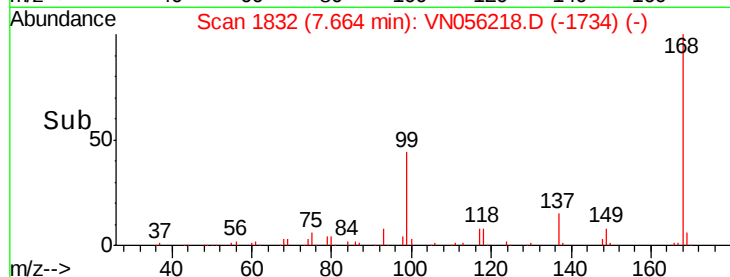
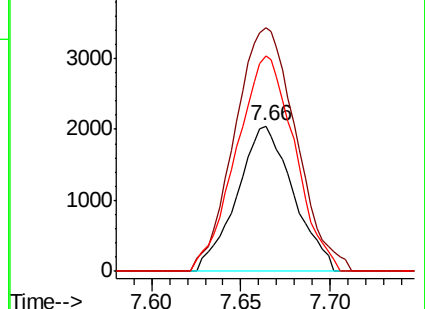
84 147.9 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.822 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056218.D

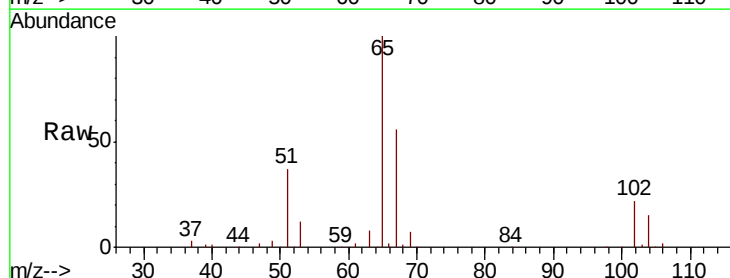
Acq: 11 Jun 2019 13:06

Tgt Ion: 65 Resp: 161240

Ion Ratio Lower Upper

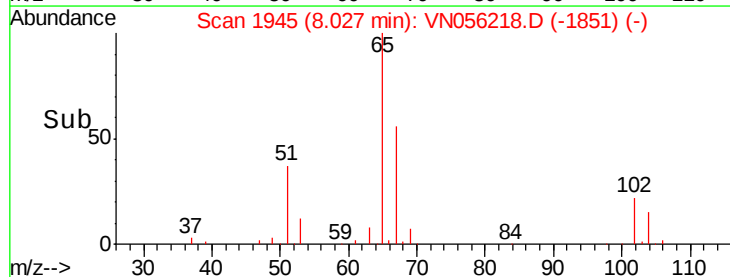
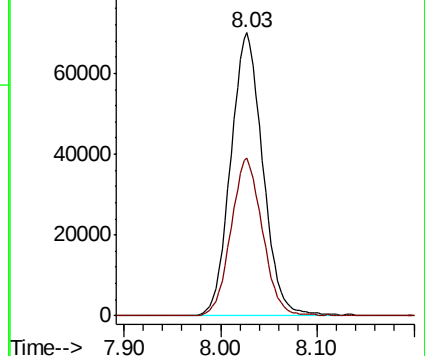
65 100

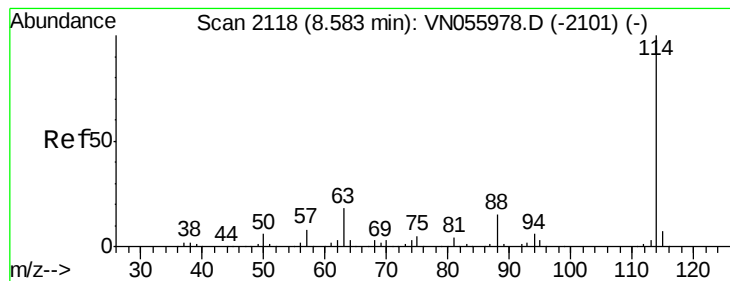
67 54.6 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056218.D

Acq: 11 Jun 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW310S-20190609

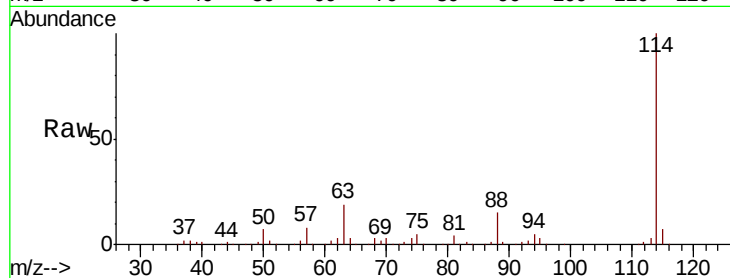
Tot Ion:114 Resp: 462155

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.2

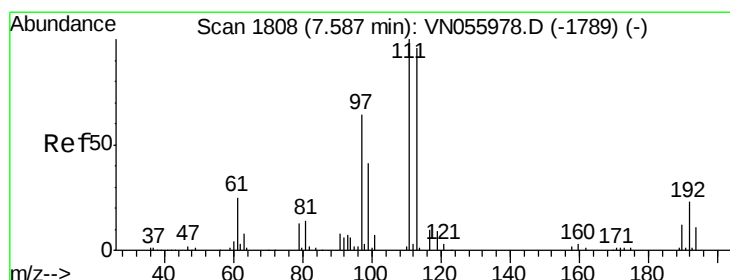
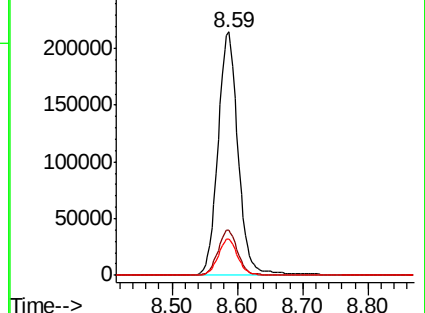
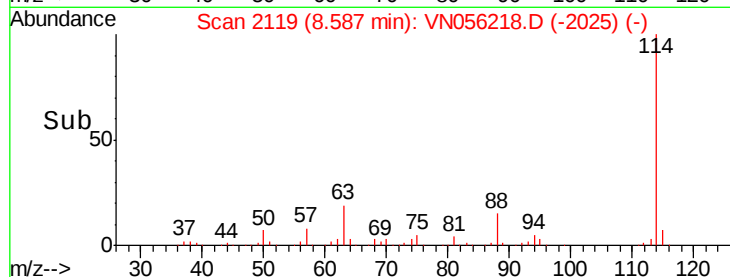
88 15.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 53.383 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056218.D

Acq: 11 Jun 2019 13:06

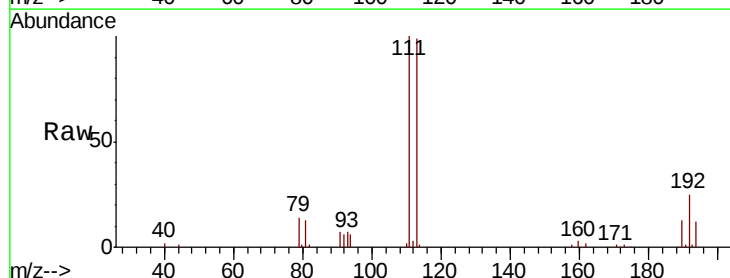
Tgt Ion:113 Resp: 151367

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

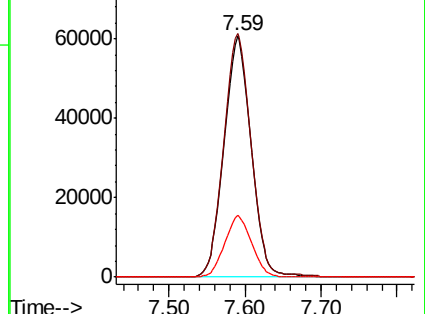
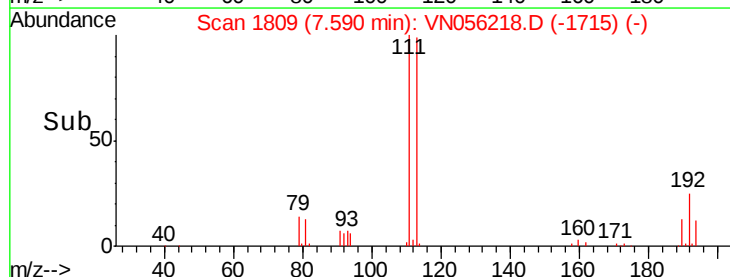
192 25.2 19.5 29.3

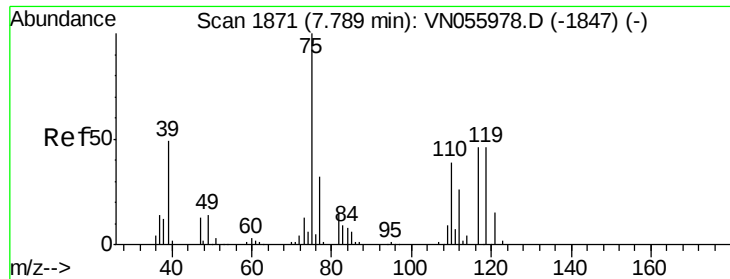


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

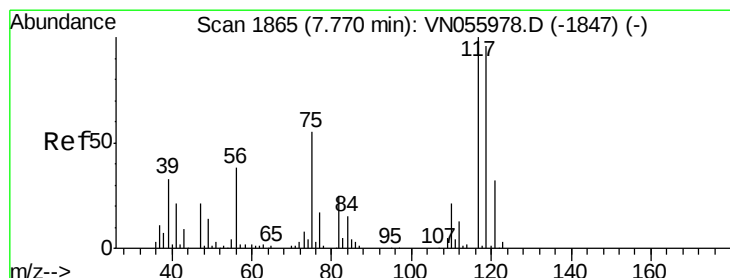
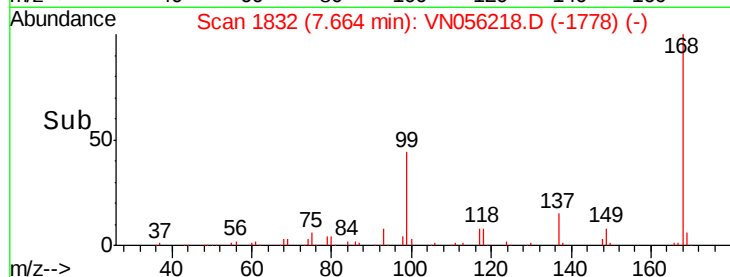
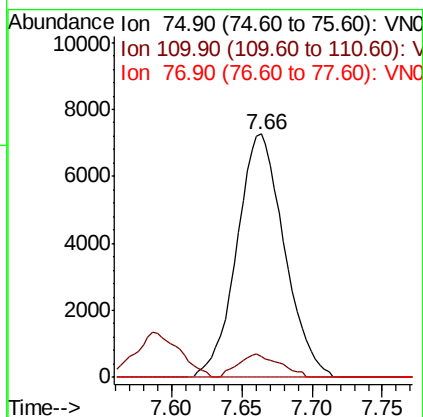
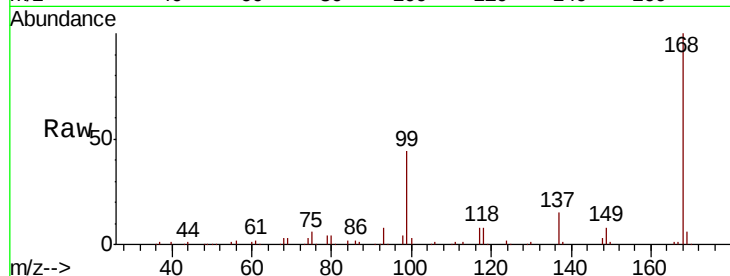




#36
 1,1-Dichloropropene
 Concen: 4.303 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056218.D
 Acq: 11 Jun 2019 13:06

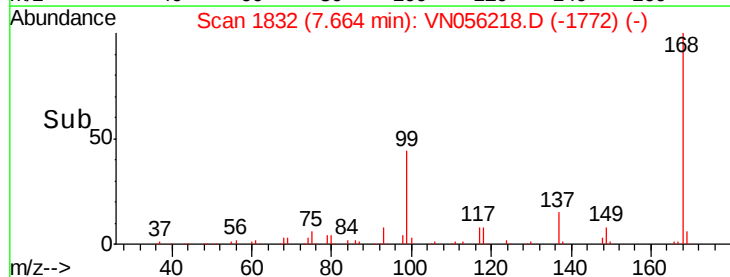
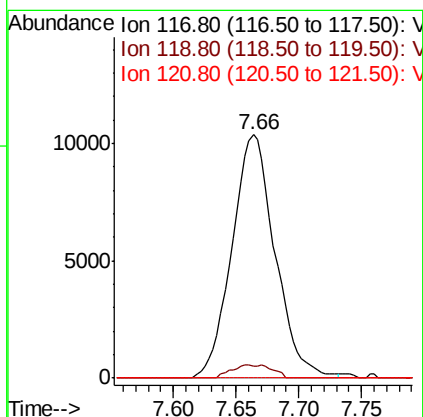
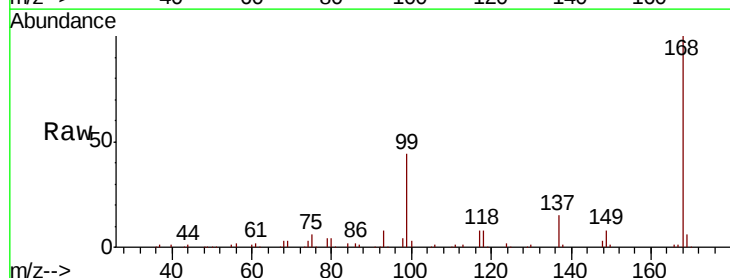
Instrument :
 MSVOA_N
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 BPS1-TT-MW310S-20190609

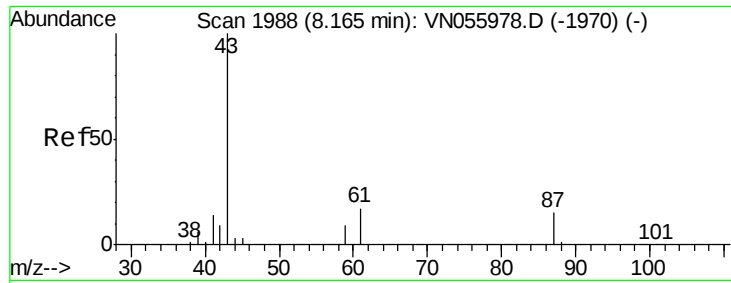
Tot Ion: 75 Resp: 17099
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.0 57.0#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.766 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056218.D
 Acq: 11 Jun 2019 13:06

Tgt Ion: 117 Resp: 24787
 Ion Ratio Lower Upper
 117 100
 119 5.2 79.0 118.6#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 0.271 ug/l

RT: 8.34 min Scan# 2043

Delta R.T. 0.18 min

Lab File: VN056218.D

Acq: 11 Jun 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW310S-20190609

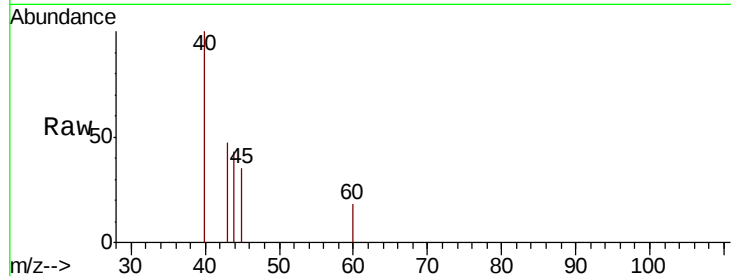
Tot Ion: 43 Resp: 1555

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

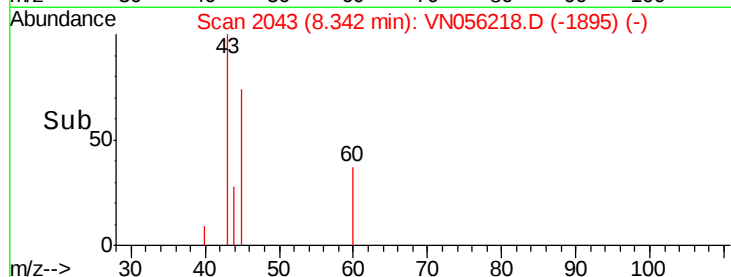
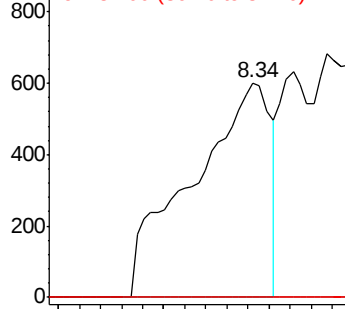
87 0.0 11.4 17.2#



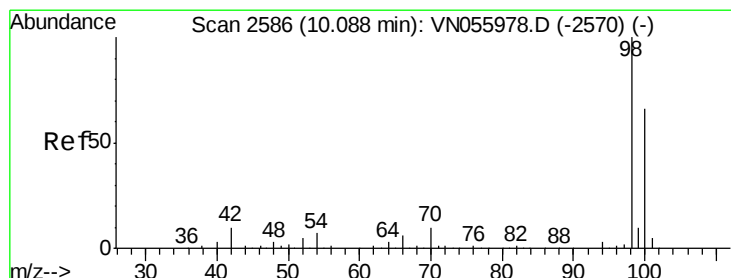
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



Time-->



#50

Toluene-d8

Concen: 54.072 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056218.D

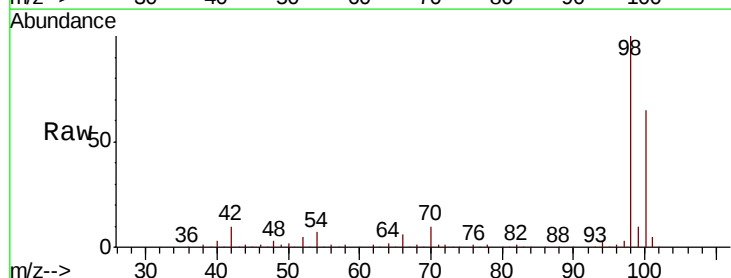
Acq: 11 Jun 2019 13:06

Tgt Ion: 98 Resp: 589980

Ion Ratio Lower Upper

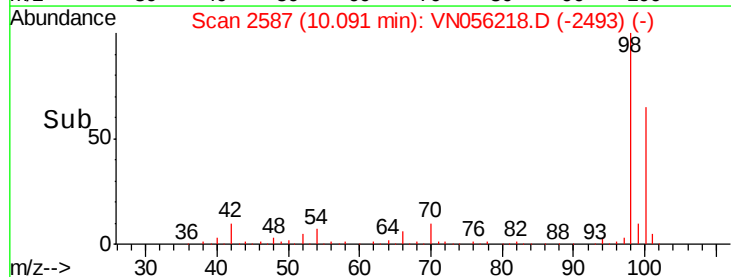
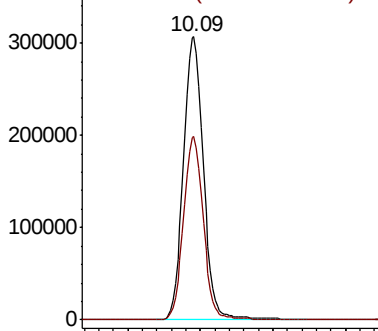
98 100

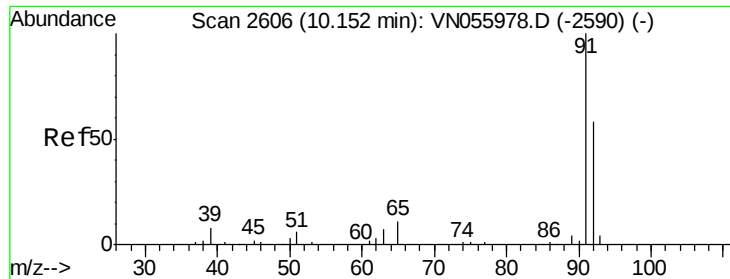
100 63.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 0.550 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056218.D

Acq: 11 Jun 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

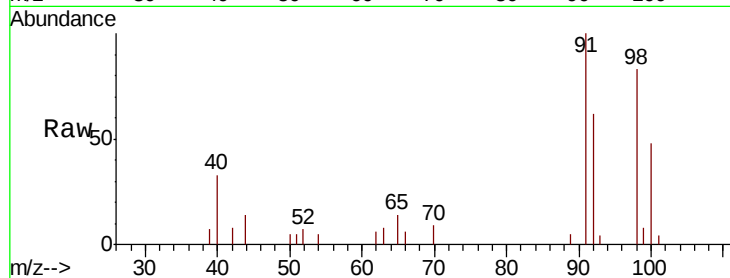
BPS1-TT-MW310S-20190609

Tot Ion: 92 Resp: 4130

Ion Ratio Lower Upper

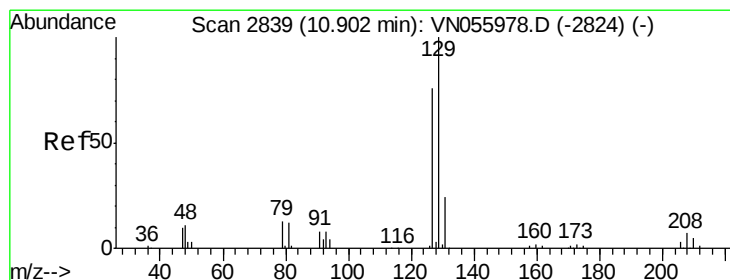
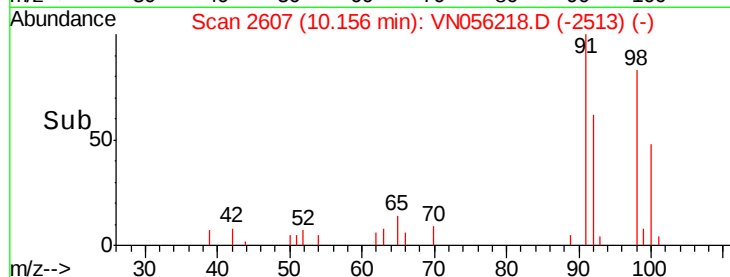
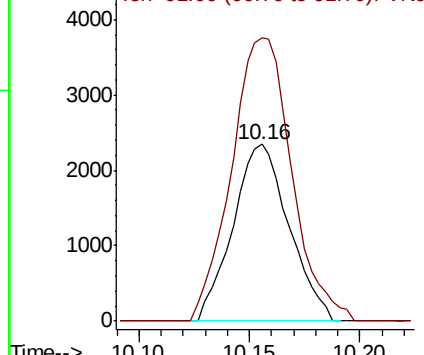
92 100

91 172.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

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



#60

Dibromochloromethane

Concen: 2.460 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN056218.D

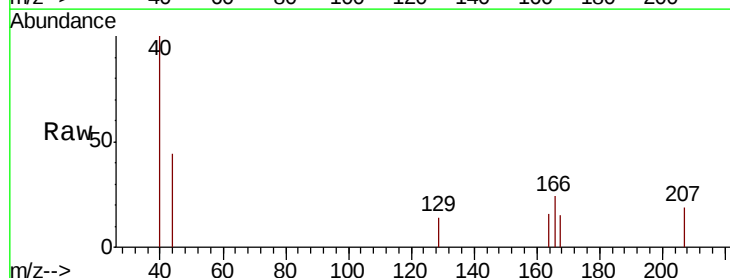
Acq: 11 Jun 2019 13:06

Tgt Ion: 129 Resp: 29

Ion Ratio Lower Upper

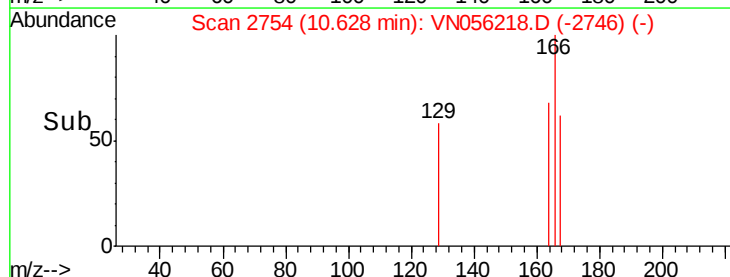
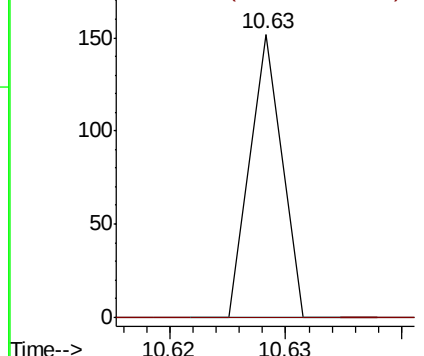
129 100

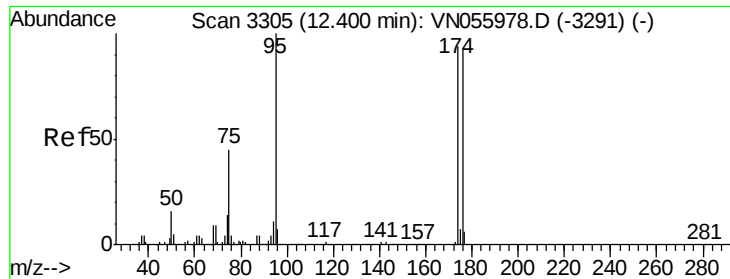
127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): VN055978.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2824) (-)





#62

4-Bromofluorobenzene

Concen: 47.485 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056218.D

Acq: 11 Jun 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW310S-20190609

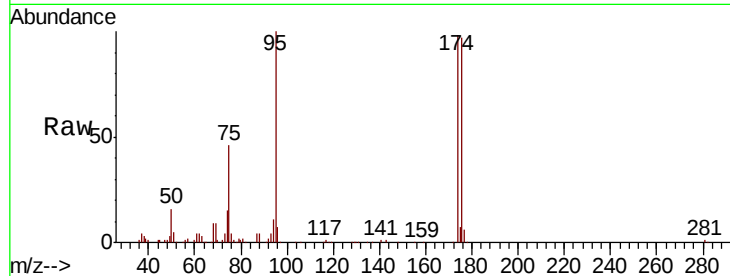
Tot Ion: 95 Resp: 176195

Ion Ratio Lower Upper

95 100

174 99.3 0.0 191.0

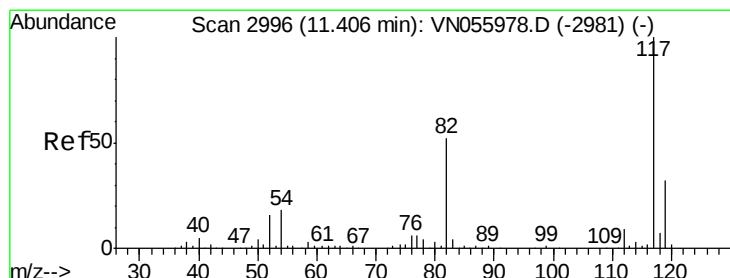
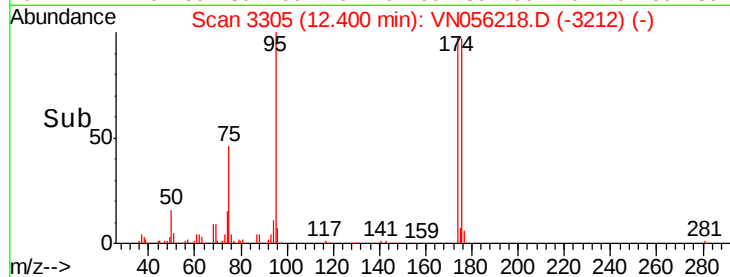
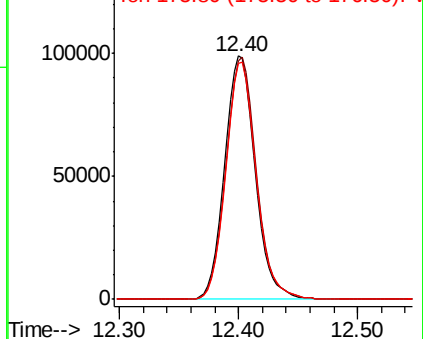
176 96.5 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056218.D

Acq: 11 Jun 2019 13:06

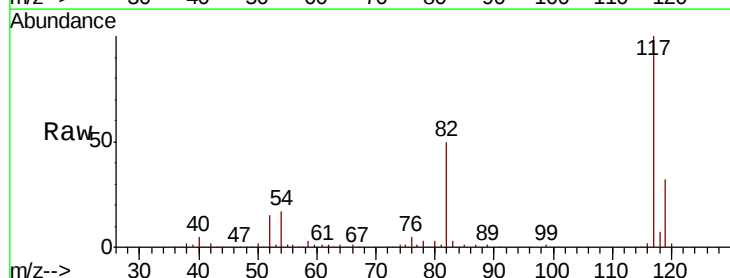
Tgt Ion: 117 Resp: 445292

Ion Ratio Lower Upper

117 100

82 50.5 41.8 62.8

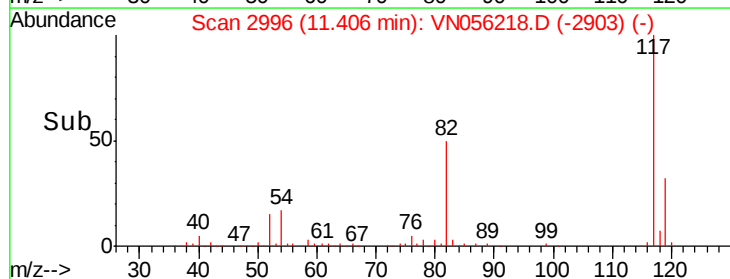
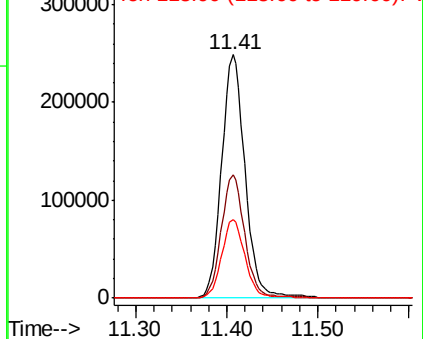
119 32.4 25.4 38.0

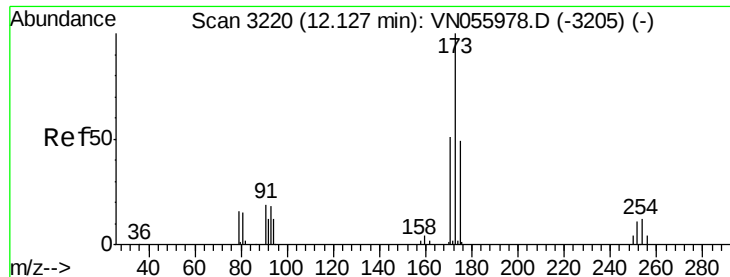


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)





#71

Bromoform

Concen: 2.873 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN056218.D

Acq: 11 Jun 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW310S-20190609

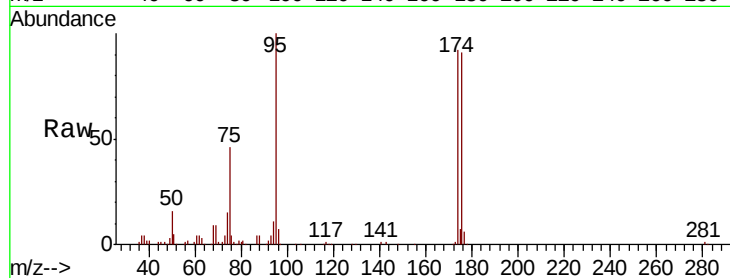
Tot Ion:173 Resp: 355

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.8#

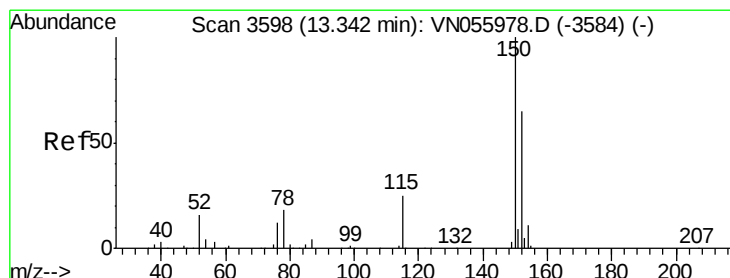
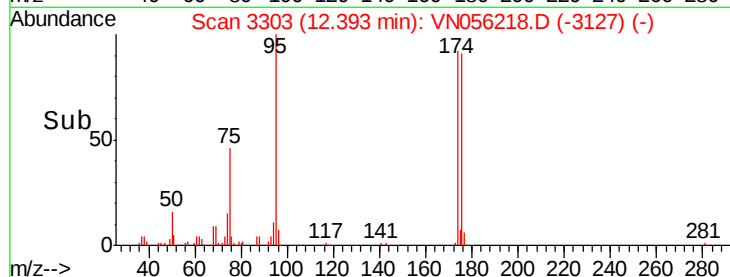
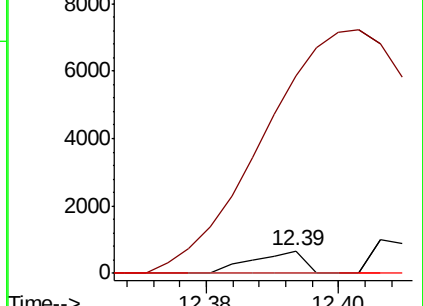
254 0.0 0.0 0.0



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: VN056218.D

Acq: 11 Jun 2019 13:06

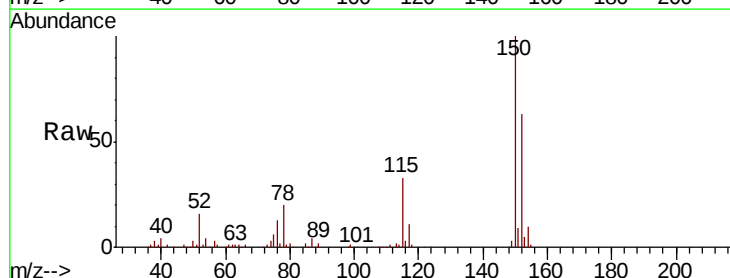
Tgt Ion:152 Resp: 130130

Ion Ratio Lower Upper

152 100

115 51.6 27.0 81.0

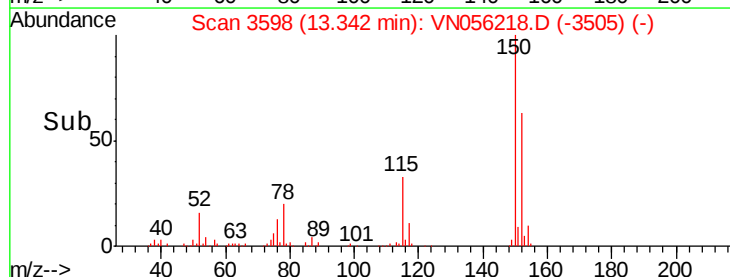
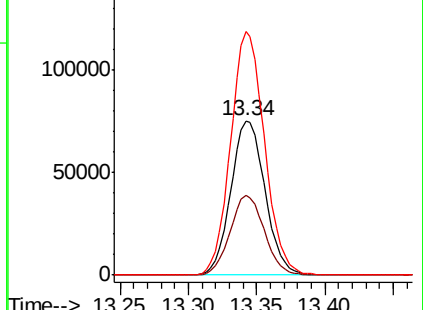
150 156.8 0.0 343.2

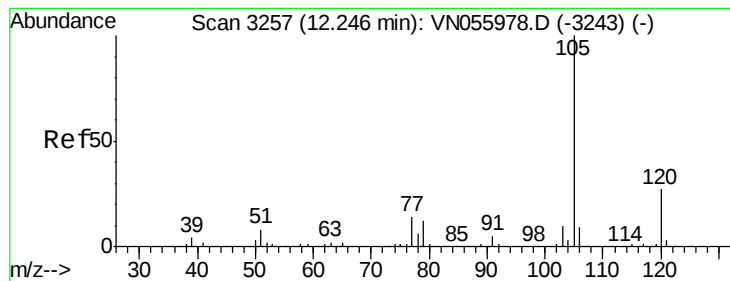


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056218.D

Acq: 11 Jun 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

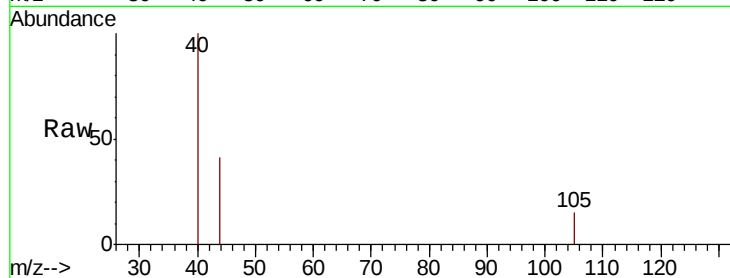
BPS1-TT-MW310S-20190609

Tot Ion:105 Resp: 67

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

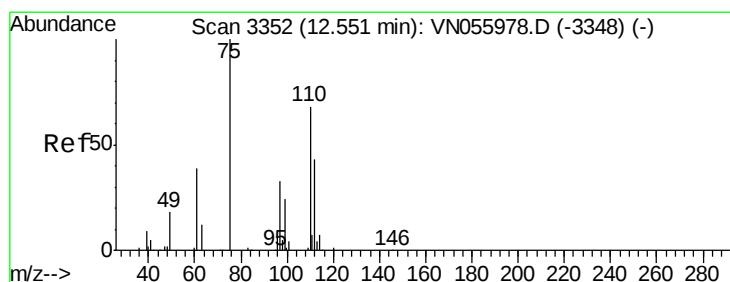
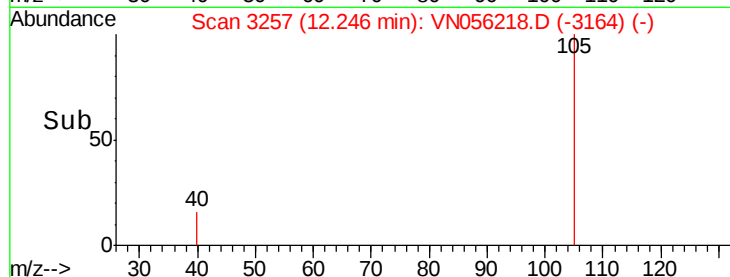
150

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 33.838 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056218.D

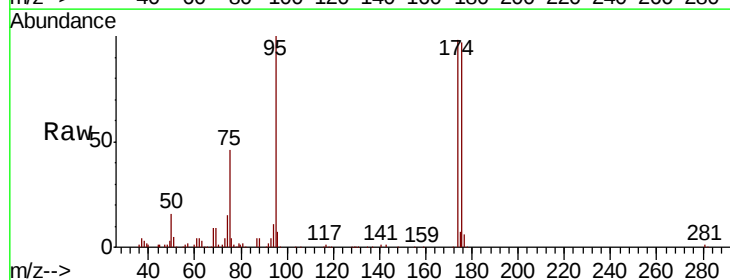
Acq: 11 Jun 2019 13:06

Tgt Ion: 75 Resp: 81024

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

12.40

50000

40000

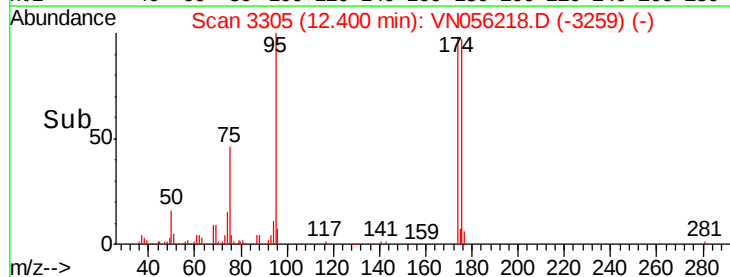
30000

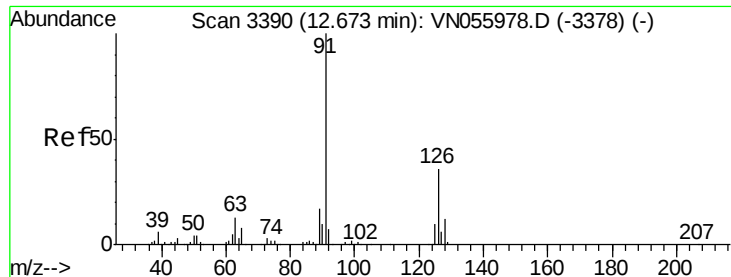
20000

10000

0

Time-->

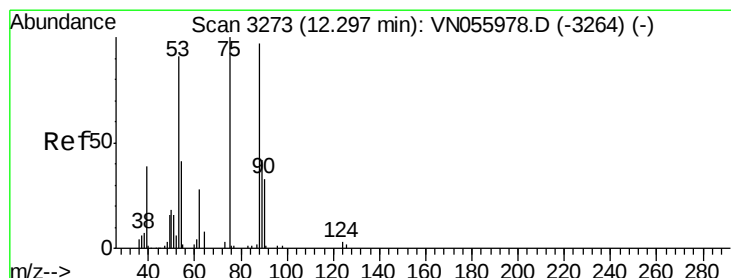
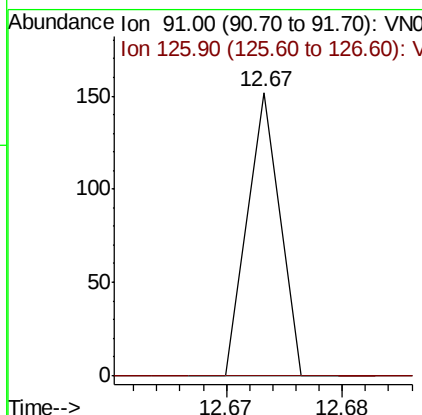
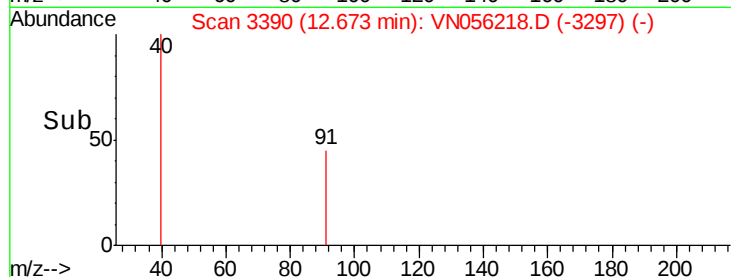
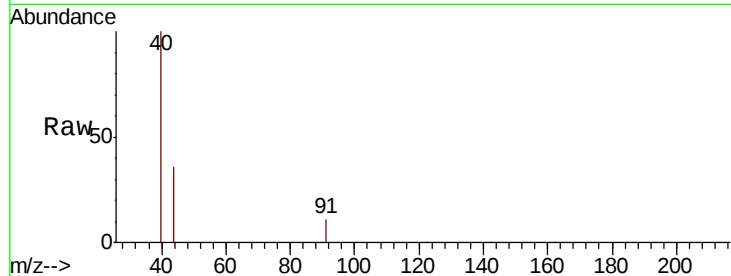




#79
2-Chlorotoluene
Concen: Below Cal
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056218.D
Acq: 11 Jun 2019 13:06

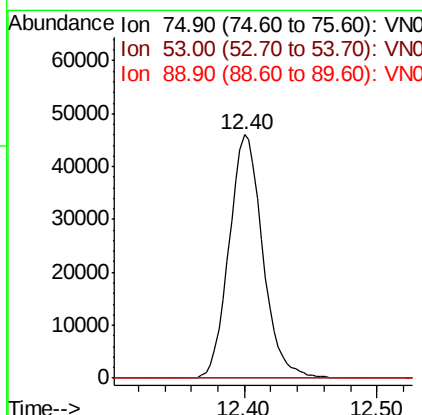
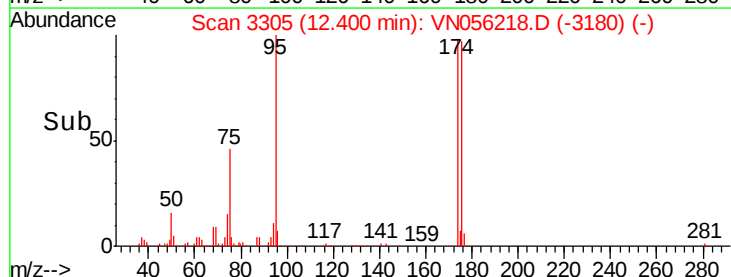
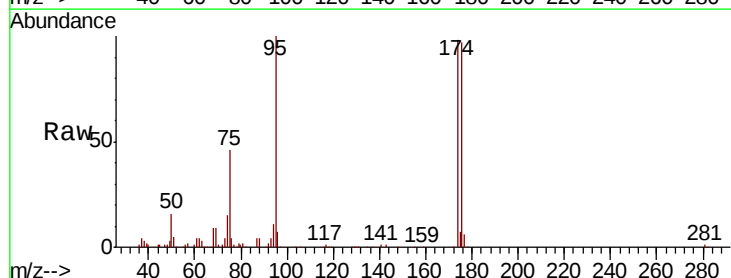
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW310S-20190609

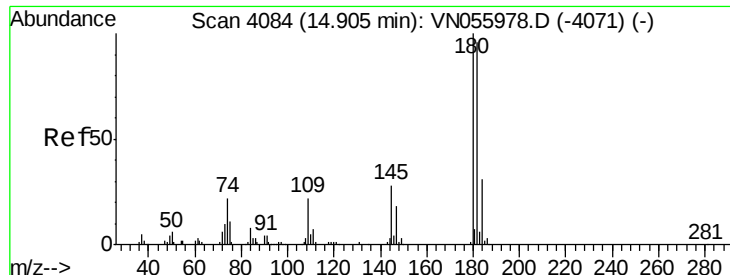
Tot Ion: 91 Resp: 29
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.688 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN056218.D
Acq: 11 Jun 2019 13:06

Tgt Ion: 75 Resp: 81024
Ion Ratio Lower Upper
75 100
53 0.0 68.1 102.1#
89 0.0 36.9 55.3#

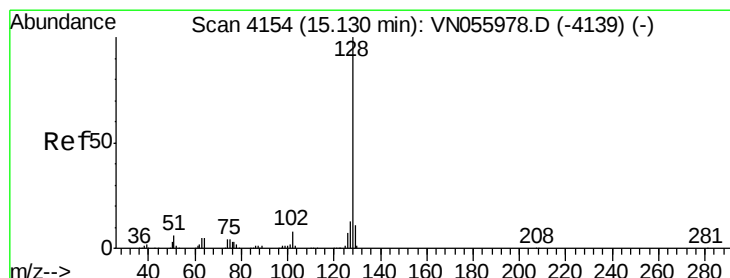
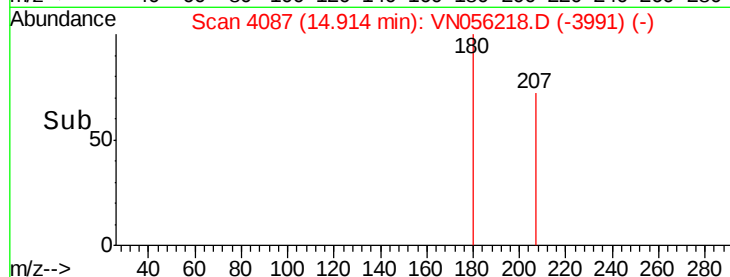
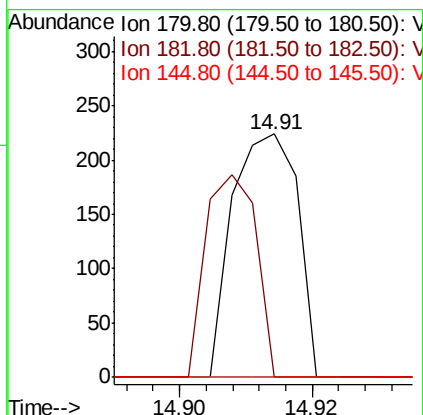
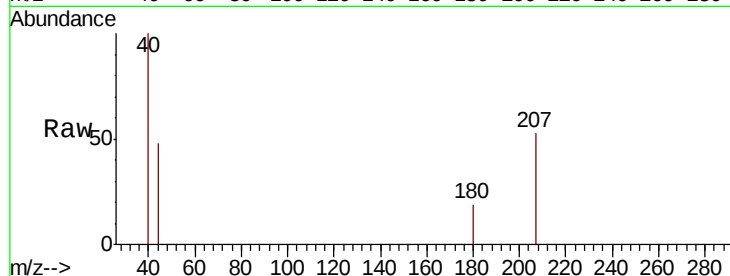




#93
 1,2,4-Trichlorobenzene
 Concen: 4.328 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN056218.D
 Acq: 11 Jun 2019 13:06

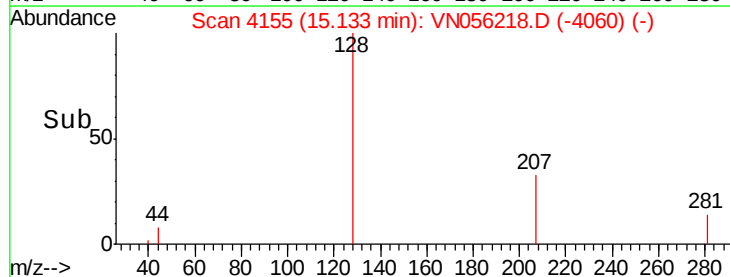
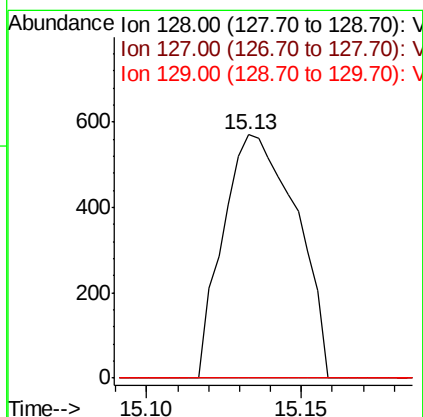
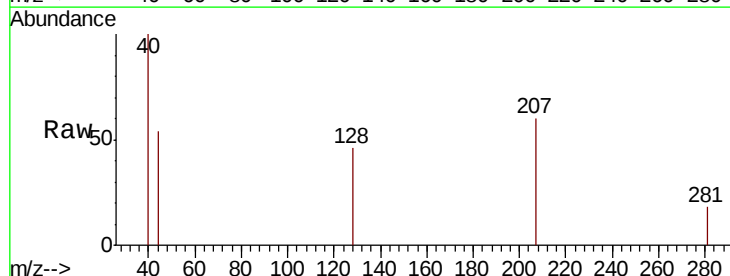
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW310S-20190609

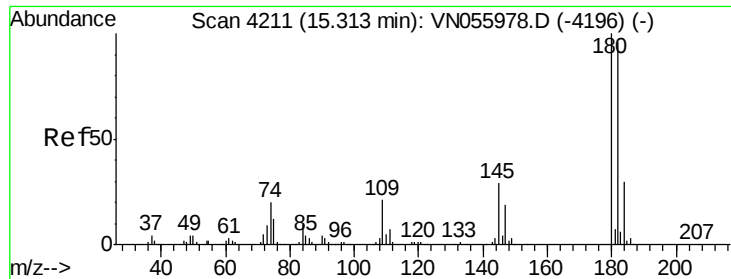
Tot Ion	Ratio	Lower	Upper
180	100		
182	64.7	48.3	144.9
145	0.0	14.0	41.9#



#95
 Naphthalene
 Concen: 3.991 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN056218.D
 Acq: 11 Jun 2019 13:06

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.092 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN056218.D
 Acq: 11 Jun 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW310S-20190609

Tot Ion	Ratio	Lower	Upper
180	100		
182	108.2	47.9	143.7
145	0.0	14.9	44.7

