

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056068.D
 Acq On : 7 Jun 2019 1:23
 Operator : JC/SP
 Sample : K3190-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW30412-20190604

Quant Time: Jun 07 05:33:14 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	327509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	499253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	464262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150473	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	170450	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
35) Dibromofluoromethane	7.59	113	148304	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	10.09	98	622729	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.40	95	195917	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	

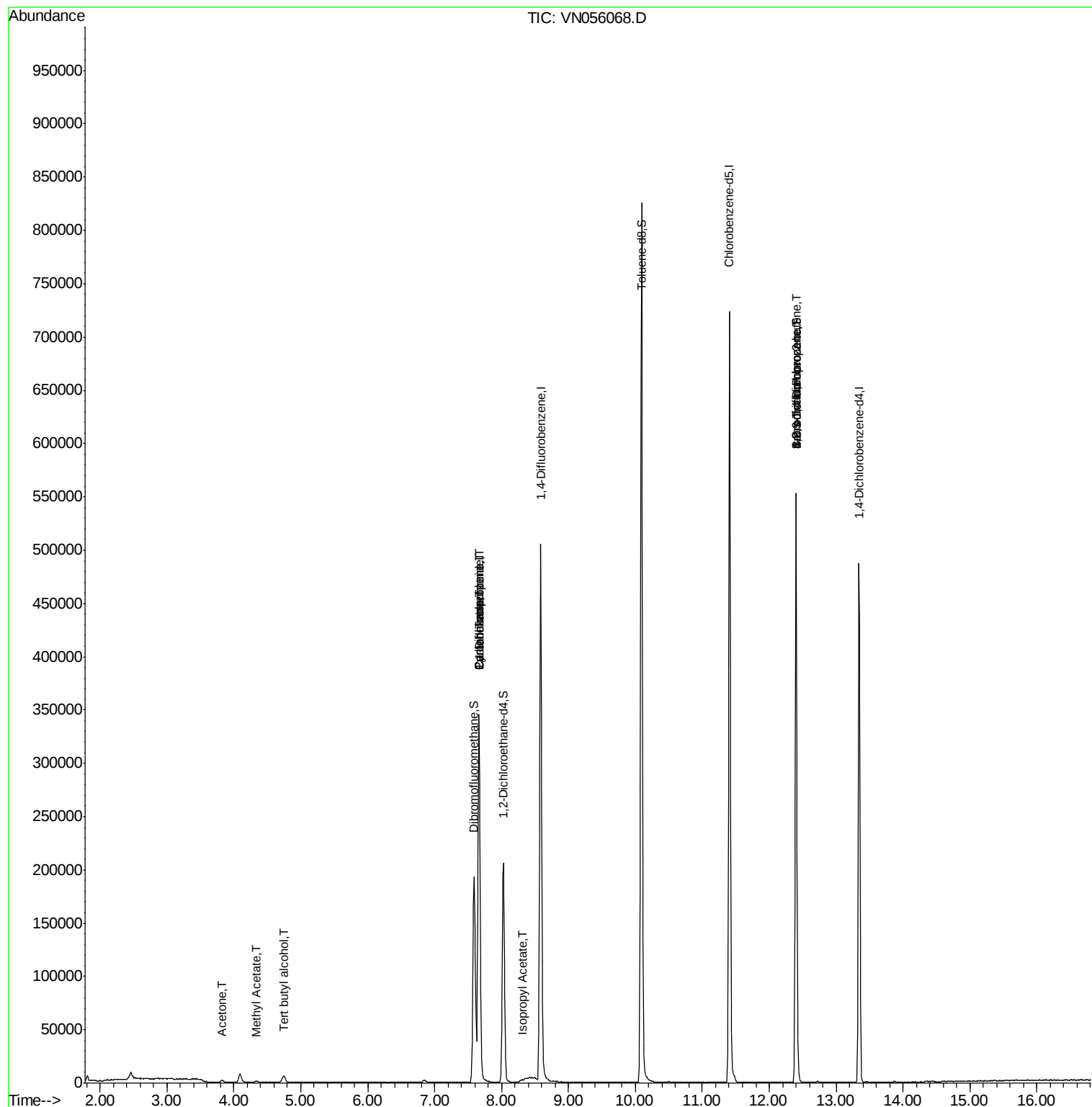
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	5754	10.168	ug/l #	74
16) Acetone	3.83	43	2769	1.780	ug/l	89
18) Methyl Acetate	4.34	43	2725	0.318	ug/l #	65
31) Cyclohexane	7.66	56	4521	0.876	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19048	4.437	ug/l #	48
38) Carbon Tetrachloride	7.66	117	26884	6.793	ug/l #	15
43) Isopropyl Acetate	8.31	43	3270	0.528	ug/l #	53
71) Bromoform	12.40	173	1395	3.234	ug/l #	1
73) Isopropylbenzene	12.40	105	61	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	89727	32.407	ug/l #	100
79) 2-Chlorotoluene	12.59	91	61	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	89727	107.921	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056068.D

Acq: 7 Jun 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

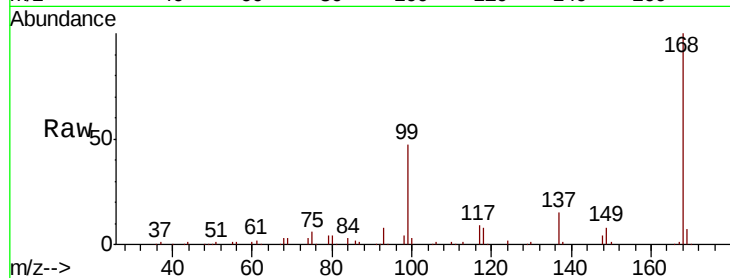
BPS1-TT-MW30412-20190604

Tot Ion:168 Resp: 327509

Ion Ratio Lower Upper

168 100

99 46.5 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

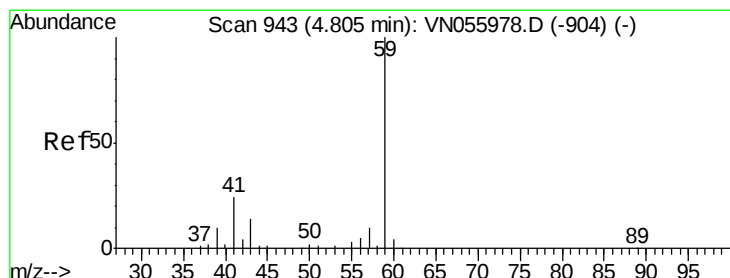
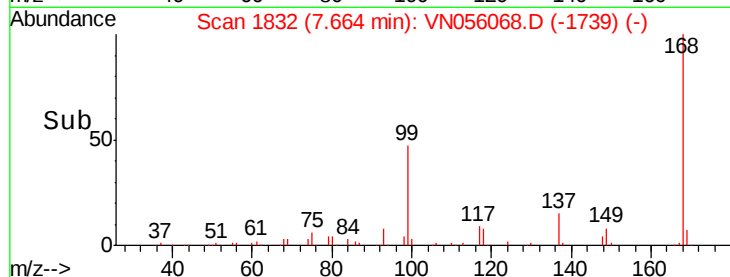
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 10.168 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.06 min

Lab File: VN056068.D

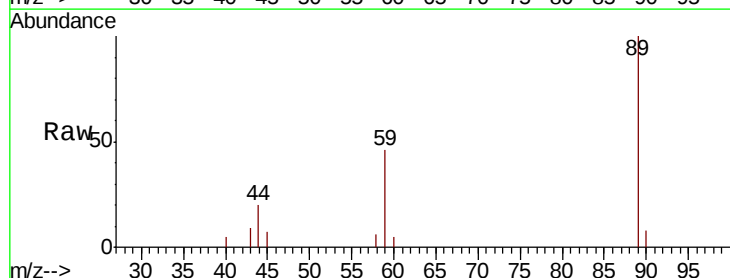
Acq: 7 Jun 2019 1:23

Tgt Ion: 59 Resp: 5754

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

4.75

1500

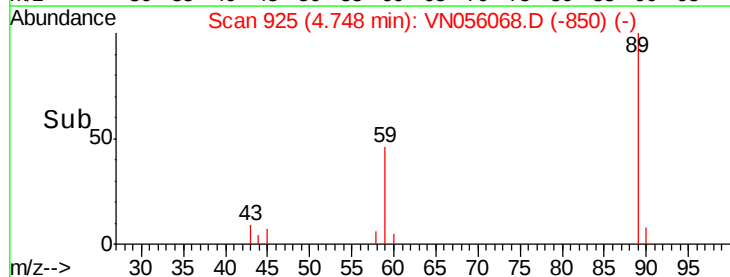
1000

500

0

Time-->

4.65 4.70 4.75 4.80





#16

Acetone

Concen: 1.780 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056068.D

Acq: 7 Jun 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

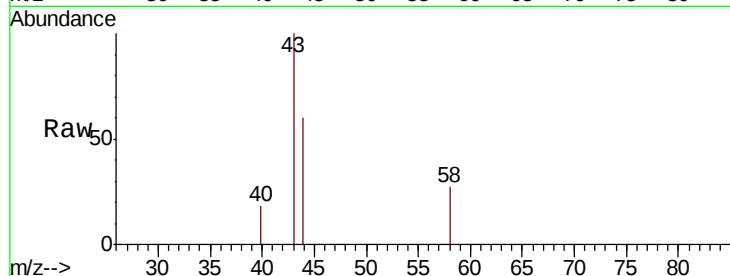
BPS1-TT-MW30412-20190604

Tot Ion: 43 Resp: 2769

Ion Ratio Lower Upper

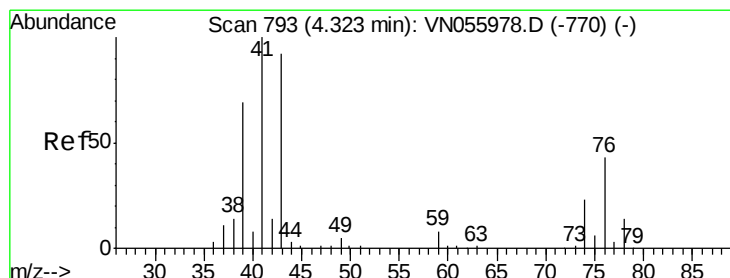
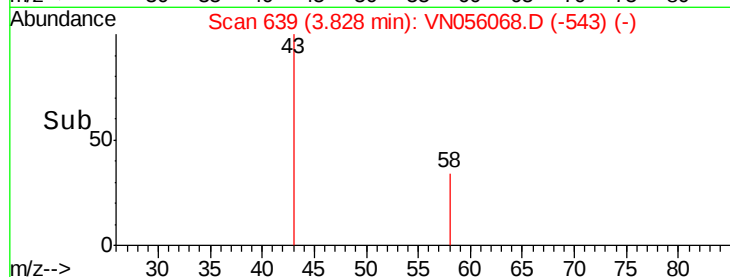
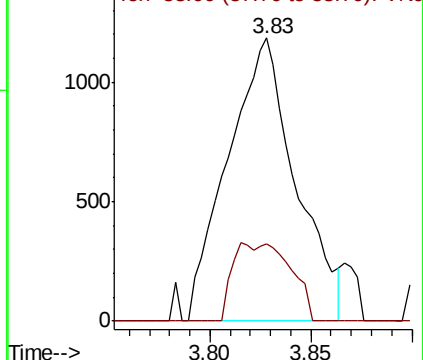
43 100

58 27.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.318 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056068.D

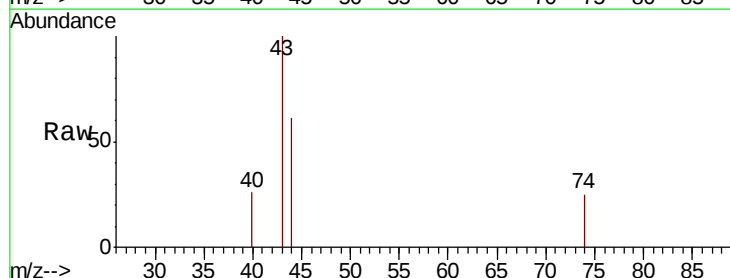
Acq: 7 Jun 2019 1:23

Tgt Ion: 43 Resp: 2725

Ion Ratio Lower Upper

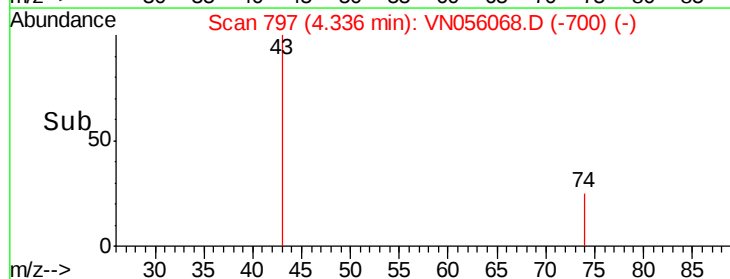
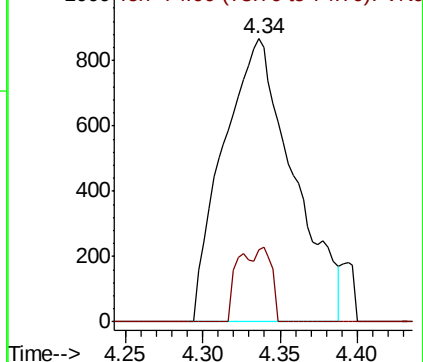
43 100

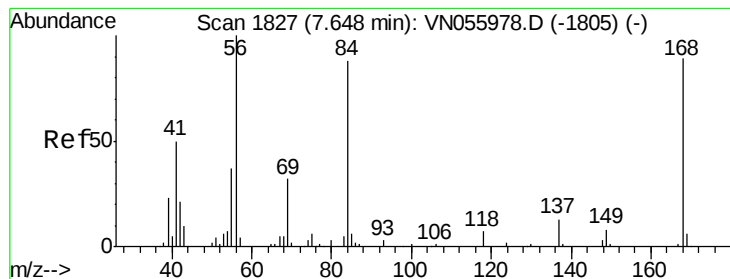
74 6.6 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#31

Cyclohexane

Concen: 0.876 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056068.D

Acq: 7 Jun 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30412-20190604

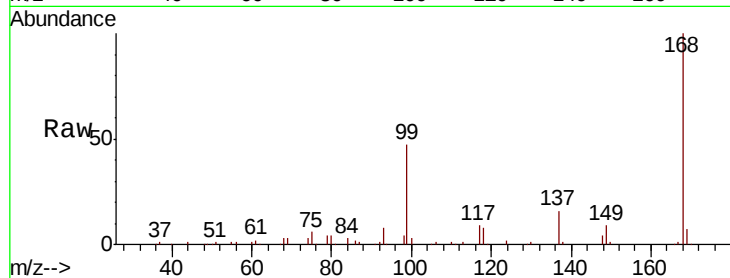
Tot Ion: 56 Resp: 4521

Ion Ratio Lower Upper

56 100

69 220.2 25.6 38.4#

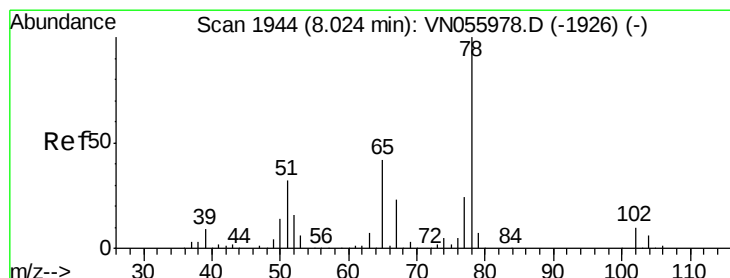
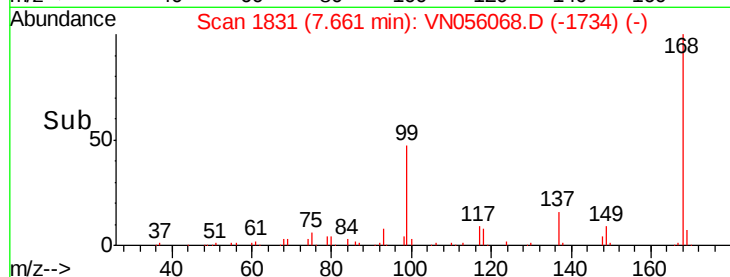
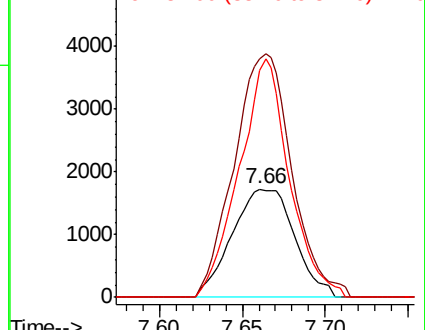
84 209.9 67.4 101.0#



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: 52.416 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056068.D

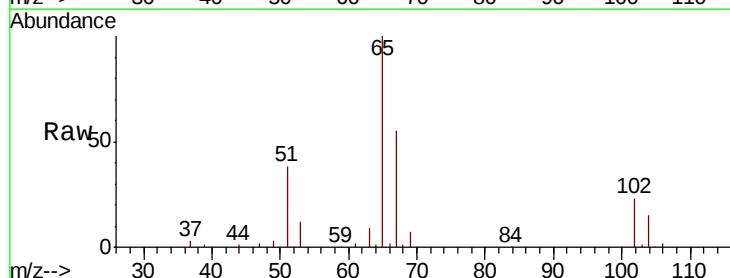
Acq: 7 Jun 2019 1:23

Tgt Ion: 65 Resp: 170450

Ion Ratio Lower Upper

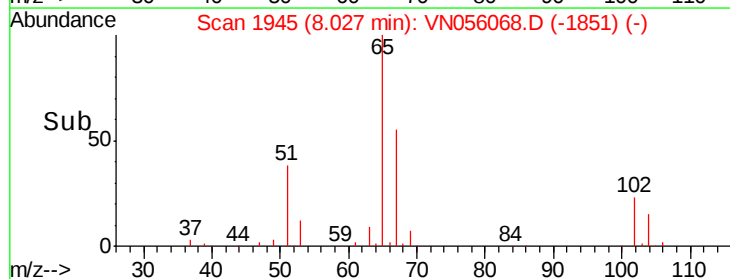
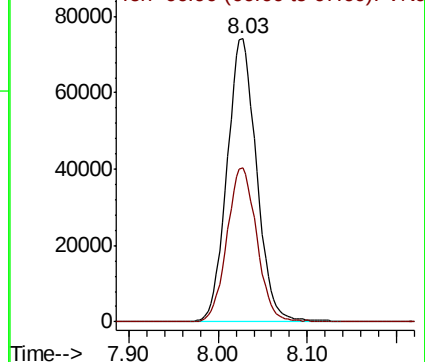
65 100

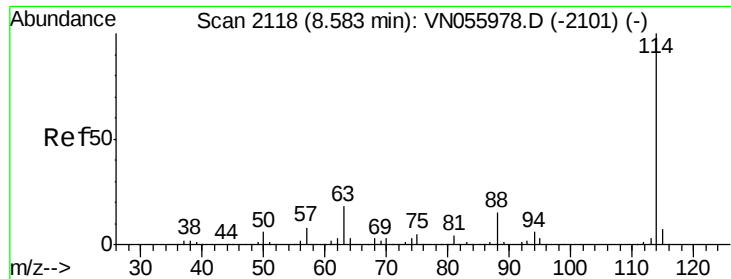
67 54.7 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

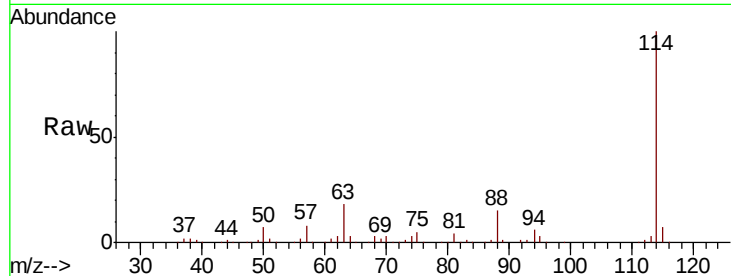




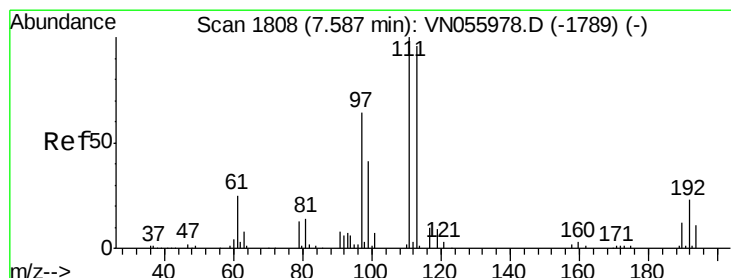
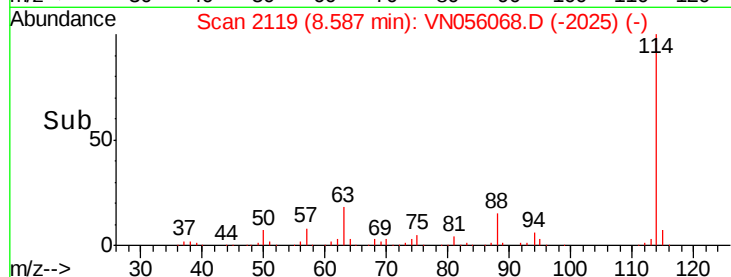
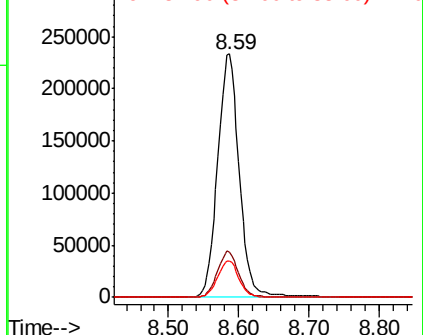
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056068.D
Acq: 7 Jun 2019 1:23

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW30412-20190604

Tot Ion:114 Resp: 499253
Ion Ratio Lower Upper
114 100
63 18.4 0.0 39.2
88 15.1 0.0 31.0

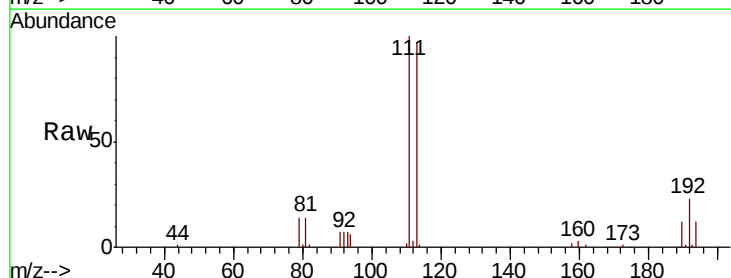


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

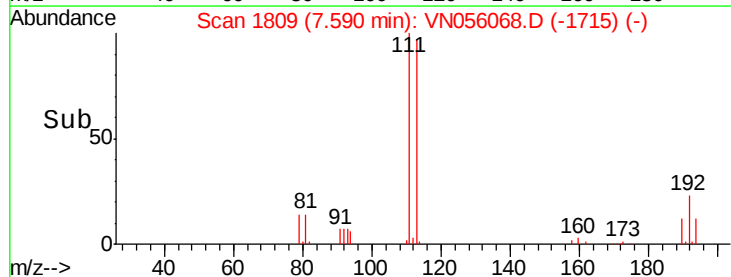
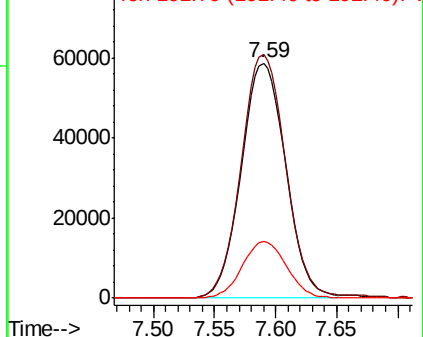


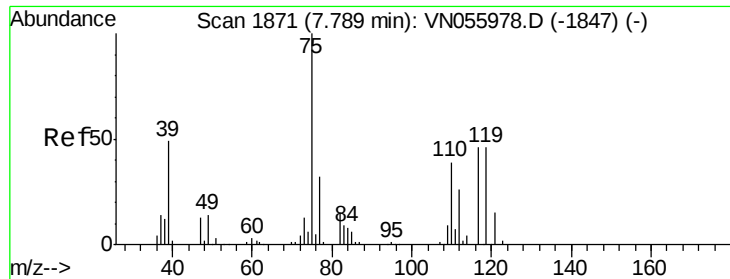
#35
Dibromofluoromethane
Concen: 48.417 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056068.D
Acq: 7 Jun 2019 1:23

Tgt Ion:113 Resp: 148304
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 24.1 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

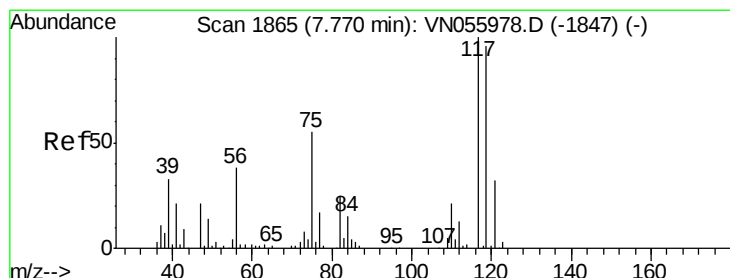
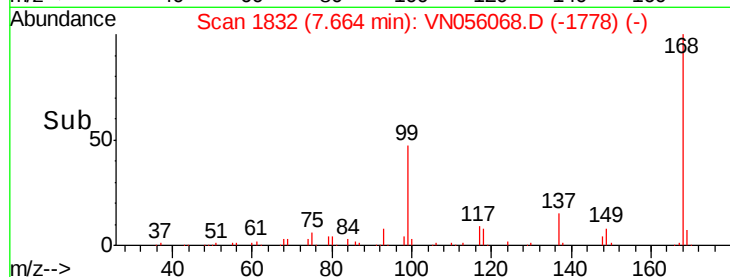
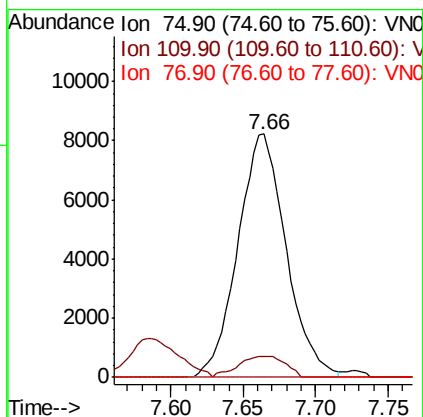
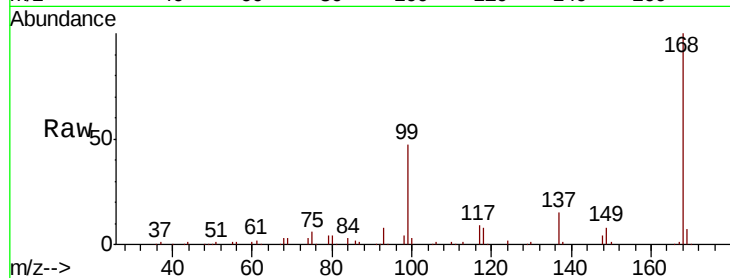




#36
 1,1-Dichloropropene
 Concen: 4.437 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056068.D
 Acq: 7 Jun 2019 1:23

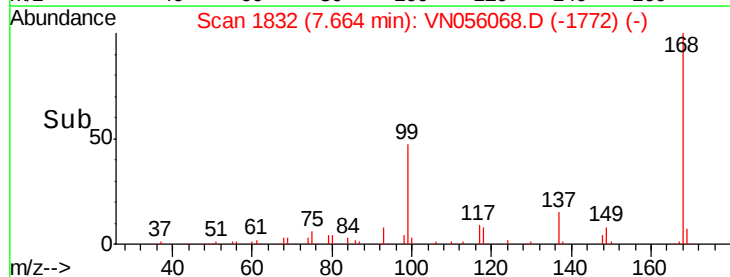
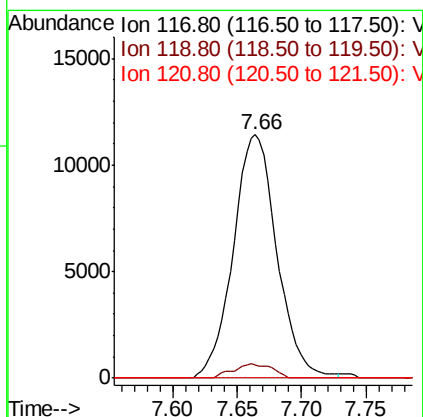
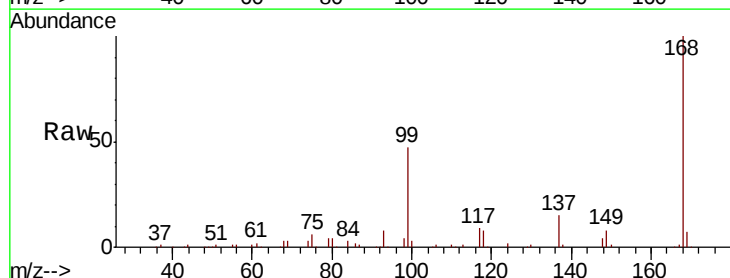
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW30412-20190604

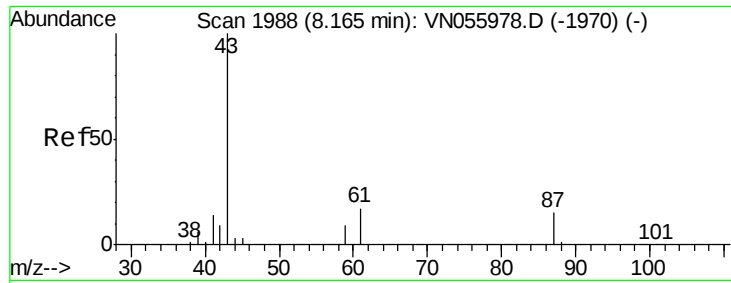
Tot Ion	75	Resp	19048
Ion Ratio	100	Lower	Upper
75	100		
110	8.6	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.793 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056068.D
 Acq: 7 Jun 2019 1:23

Tgt Ion	117	Resp	26884
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.4	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.528 ug/l

RT: 8.31 min Scan# 2034

Delta R.T. 0.15 min

Lab File: VN056068.D

Acq: 7 Jun 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30412-20190604

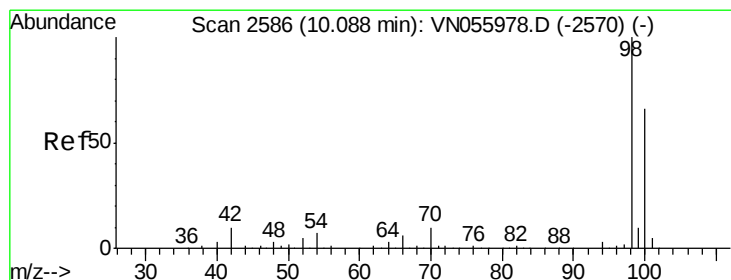
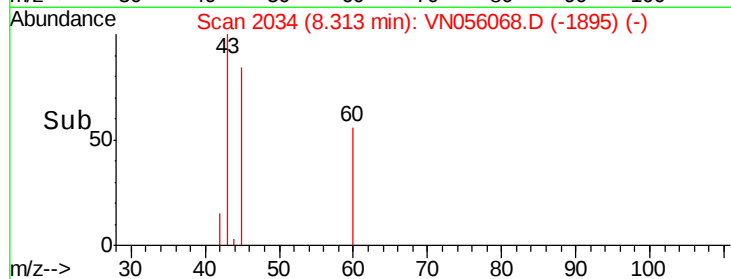
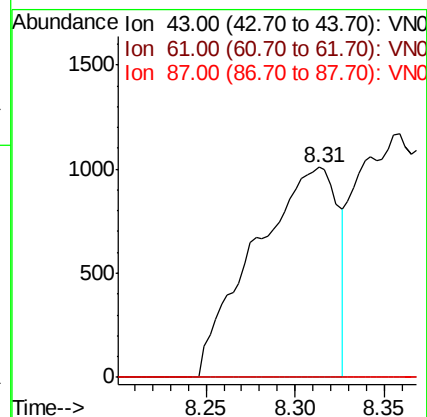
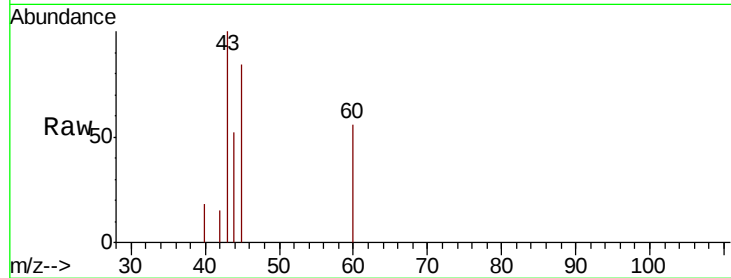
Tot Ion: 43 Resp: 3270

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

87 0.0 11.4 17.2#



#50

Toluene-d8

Concen: 52.833 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056068.D

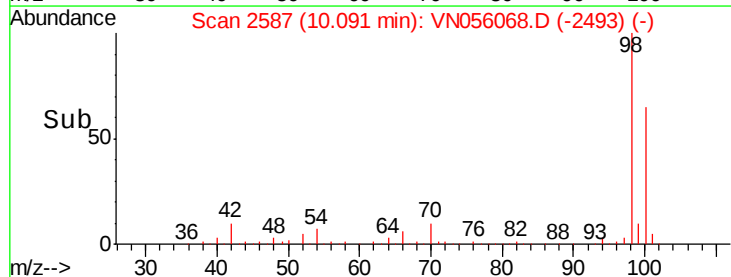
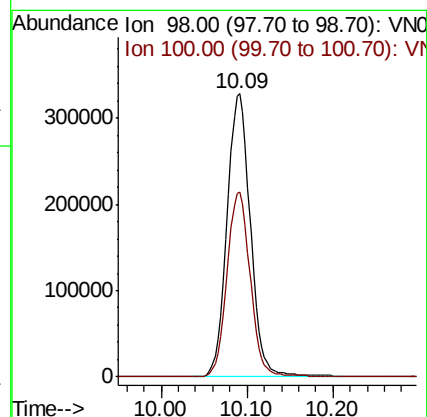
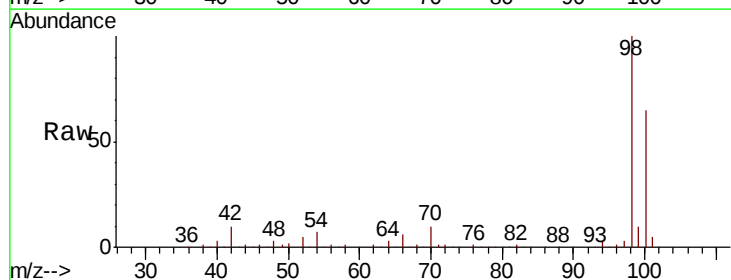
Acq: 7 Jun 2019 1:23

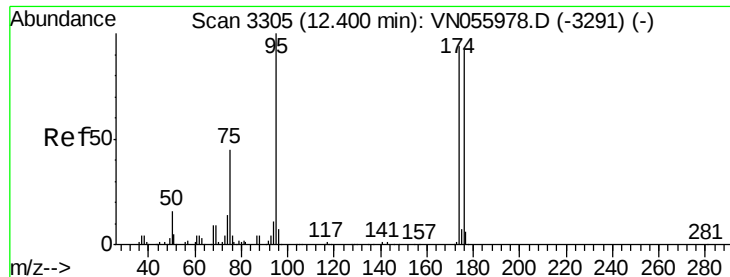
Tgt Ion: 98 Resp: 622729

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 48.877 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056068.D

Acq: 7 Jun 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30412-20190604

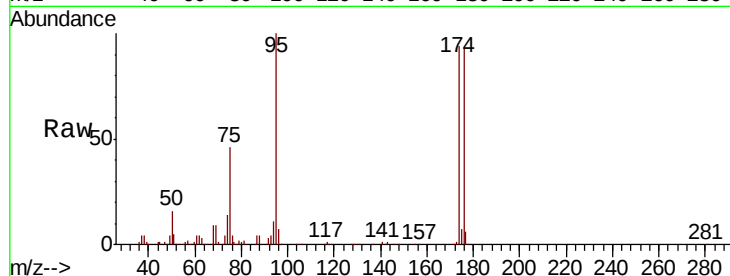
Tot Ion: 95 Resp: 195917

Ion Ratio Lower Upper

95 100

174 95.0 0.0 191.0

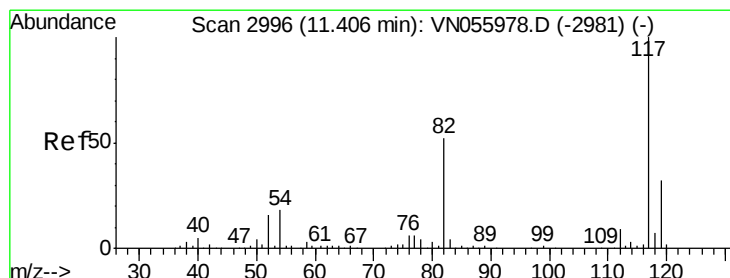
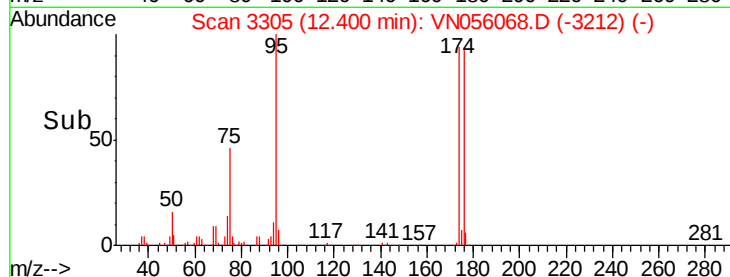
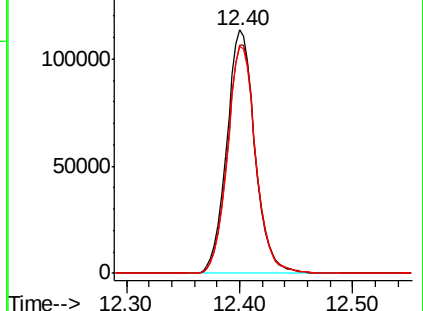
176 93.4 0.0 185.2



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: VN056068.D

Acq: 7 Jun 2019 1:23

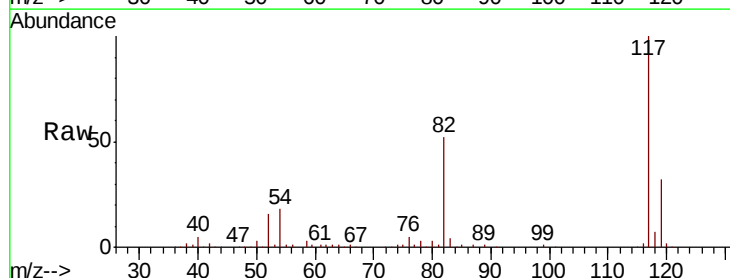
Tgt Ion: 117 Resp: 464262

Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

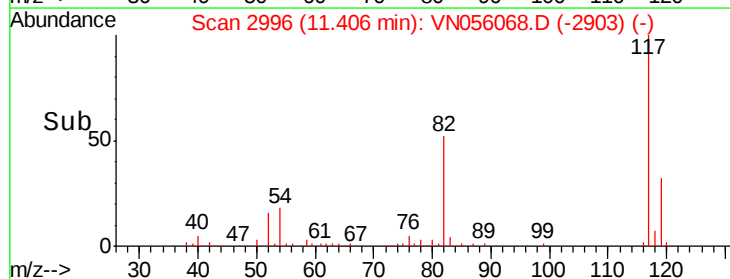
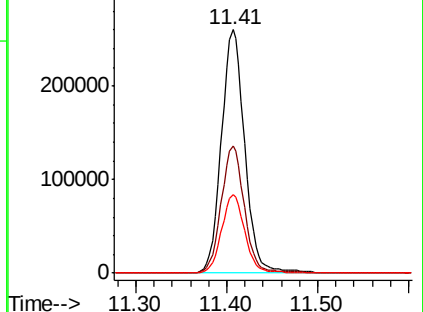
119 32.1 25.4 38.0

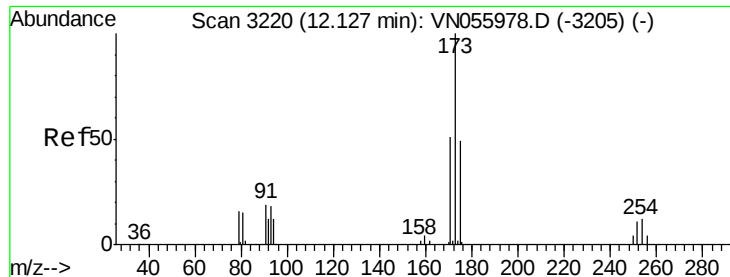


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

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: 3.234 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056068.D

Acq: 7 Jun 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30412-20190604

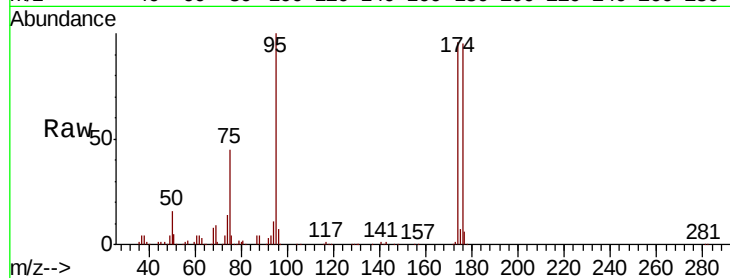
Tot Ion:173 Resp: 1395

Ion Ratio Lower Upper

173 100

175 837.1 24.3 72.8#

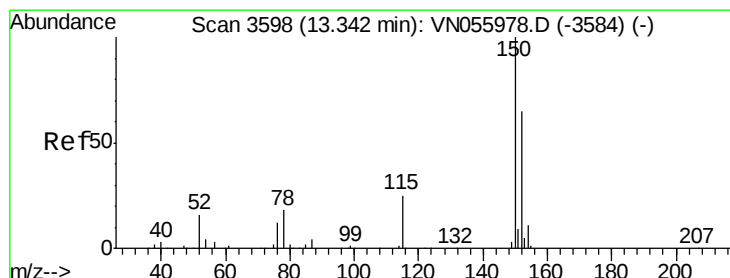
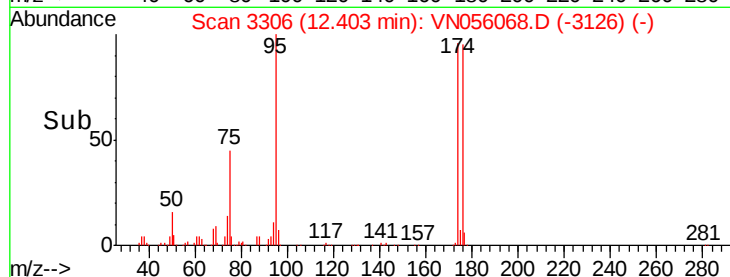
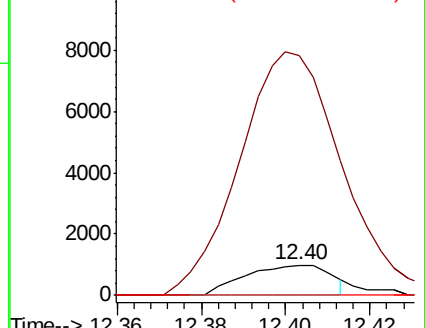
254 0.0 0.0 0.0



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: VN056068.D

Acq: 7 Jun 2019 1:23

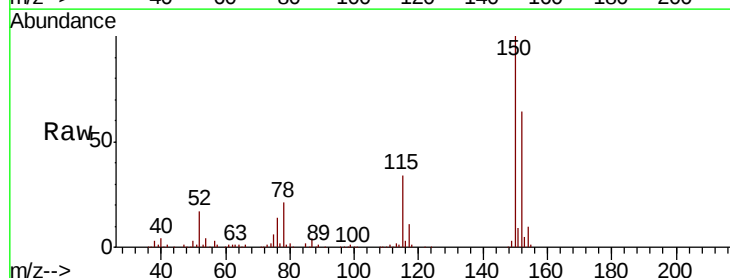
Tgt Ion:152 Resp: 150473

Ion Ratio Lower Upper

152 100

115 52.4 27.0 81.0

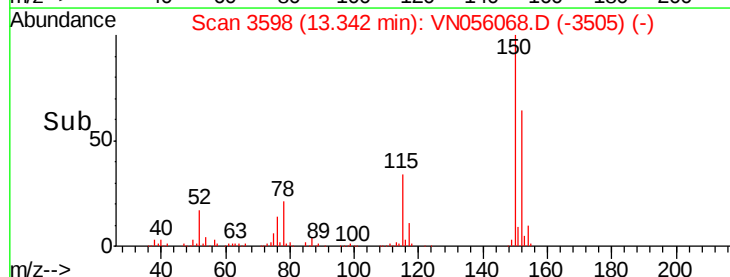
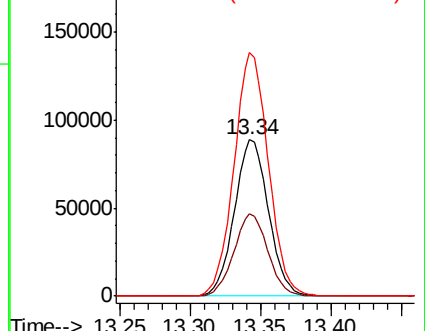
150 156.6 0.0 343.2

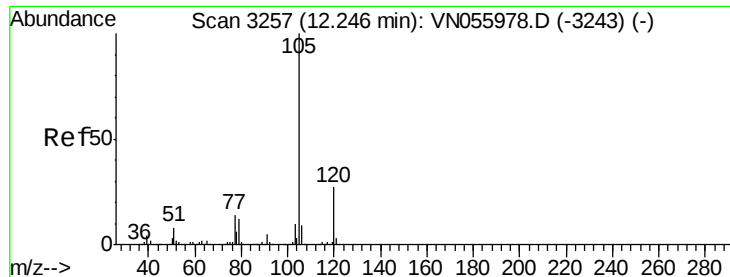


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. 0.16 min

Lab File: VN056068.D

Acq: 7 Jun 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

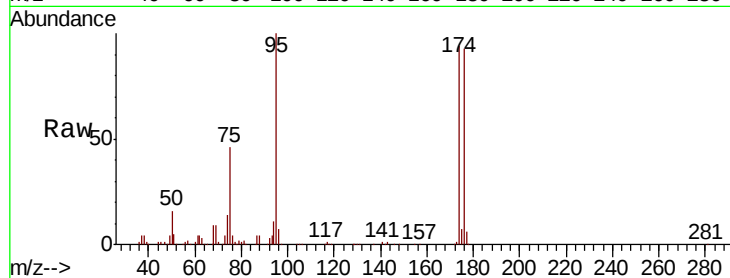
BPS1-TT-MW30412-20190604

Tot Ion: 105 Resp: 61

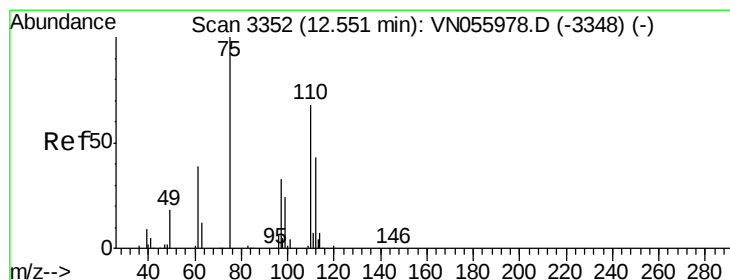
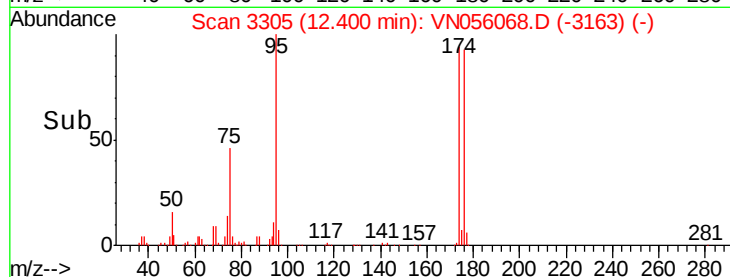
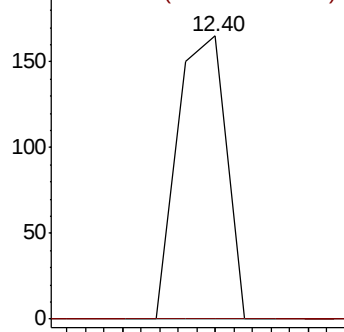
Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V



#76

1,2,3-Trichloropropane

Concen: 32.407 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056068.D

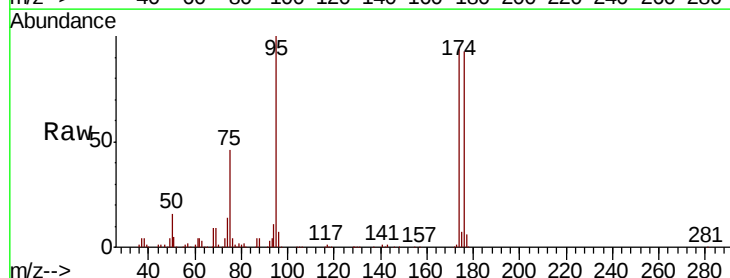
Acq: 7 Jun 2019 1:23

Tgt Ion: 75 Resp: 89727

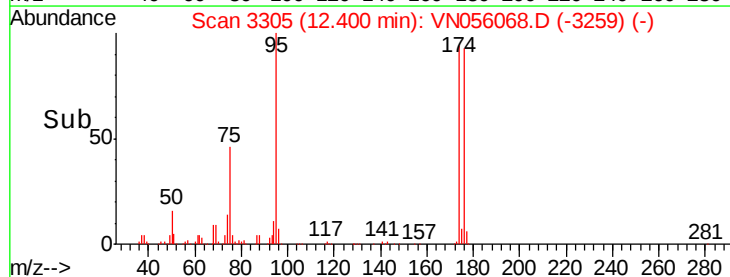
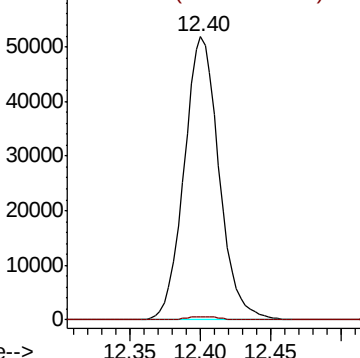
Ion Ratio Lower Upper

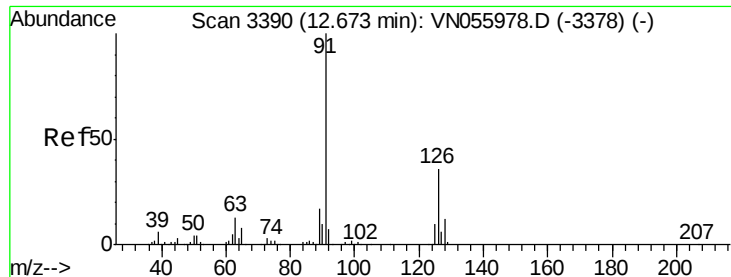
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN056068.D

Acq: 7 Jun 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

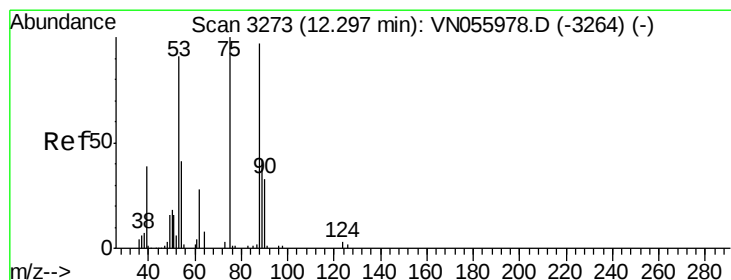
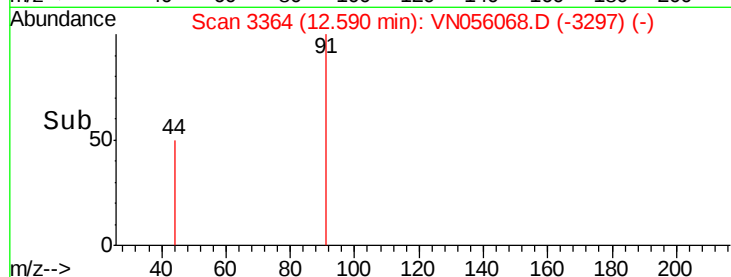
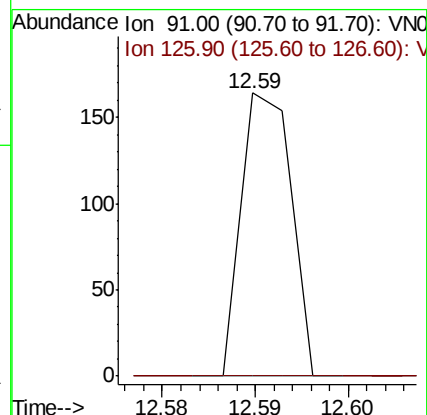
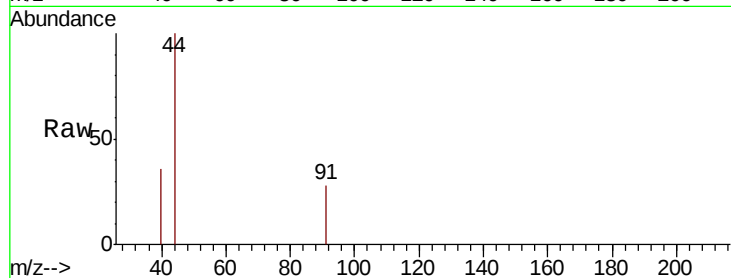
BPS1-TT-MW30412-20190604

Tot Ion: 91 Resp: 61

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.921 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056068.D

Acq: 7 Jun 2019 1:23

Tgt Ion: 75 Resp: 89727

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

