

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056069.D
 Acq On : 7 Jun 2019 1:48
 Operator : JC/SP
 Sample : K3190-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW30411-20190604

Quant Time: Jun 07 05:33:37 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	324544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	493291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	461218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142035	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	169707	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
35) Dibromofluoromethane	7.59	113	147075	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	10.09	98	611918	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.40	95	185499	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	

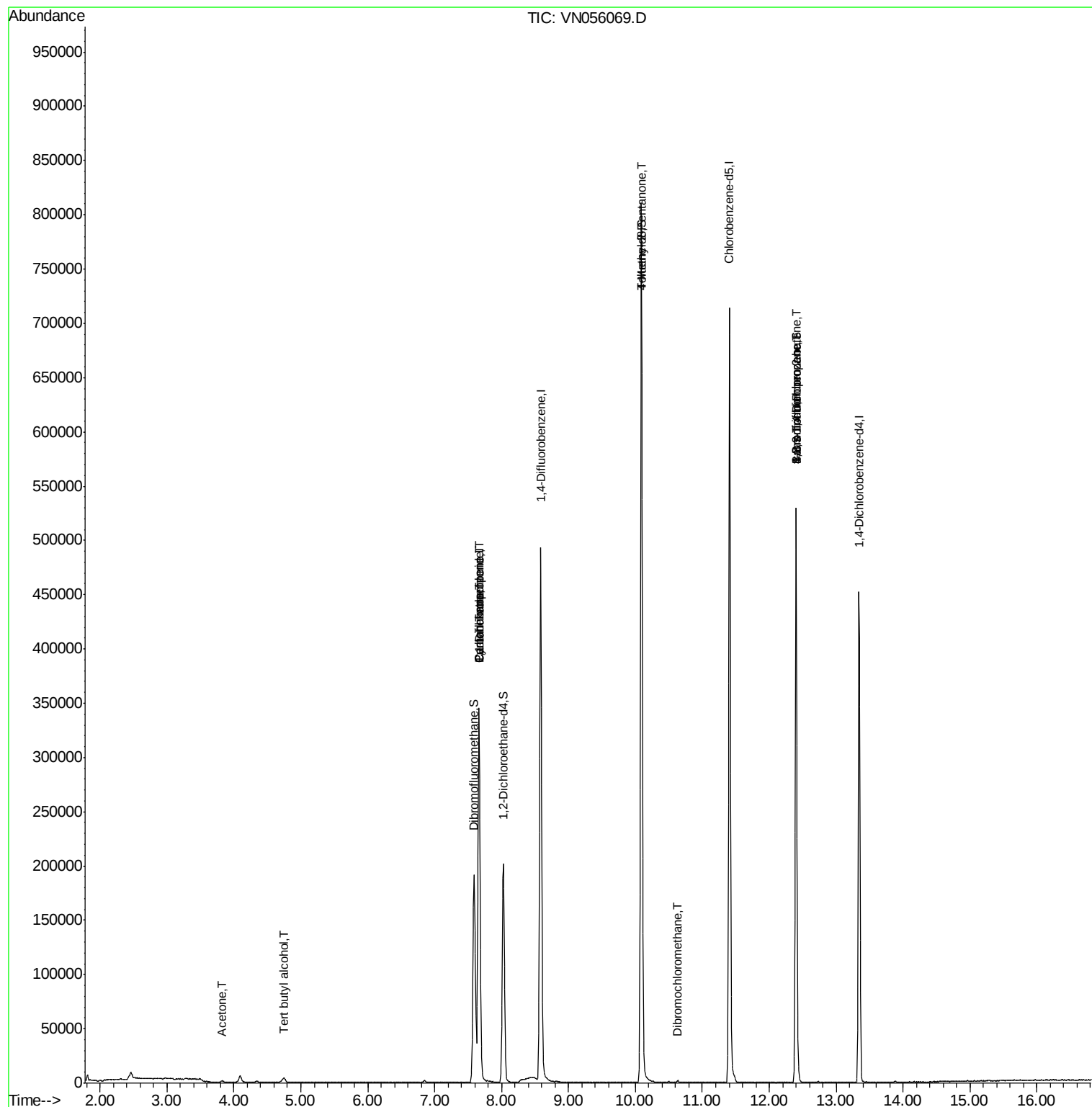
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	4363	7.780	ug/l #	74
16) Acetone	3.82	43	2372	1.539	ug/l	96
31) Cyclohexane	7.66	56	4427	0.866	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18878	4.451	ug/l #	48
38) Carbon Tetrachloride	7.66	117	27258	6.970	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	2480	0.648	ug/l #	1
60) Dibromochloromethane	10.63	129	481	2.582	ug/l #	11
71) Bromoform	12.40	173	1218	3.175	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	85696	32.790	ug/l #	100
79) 2-Chlorotoluene	12.59	91	29	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	85696	109.196	ug/l #	15

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

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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: VN056069.D

Acq: 7 Jun 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

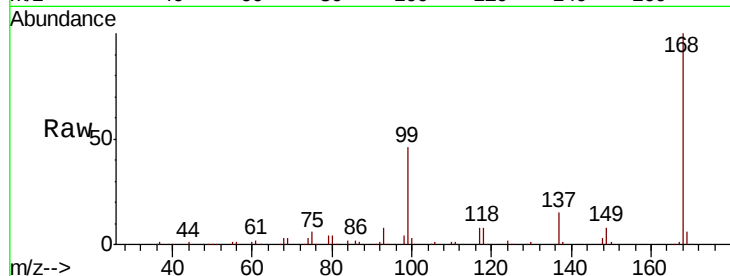
BPS1-TT-MW30411-20190604

Tot Ion:168 Resp: 324544

Ion Ratio Lower Upper

168 100

99 45.7 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

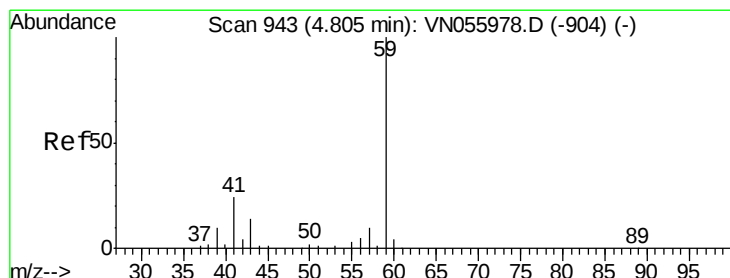
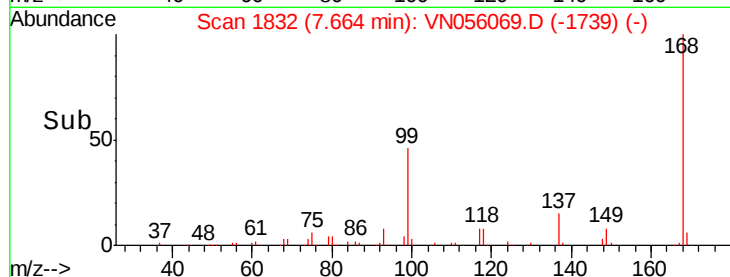
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 7.780 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.06 min

Lab File: VN056069.D

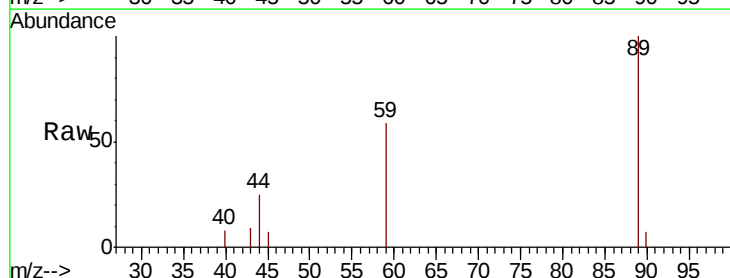
Acq: 7 Jun 2019 1:48

Tgt Ion: 59 Resp: 4363

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

1500

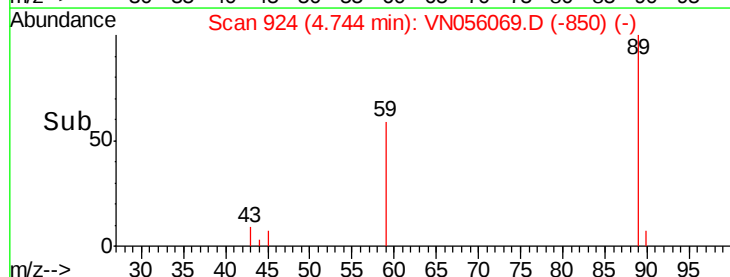
1000

500

0

4.65 4.70 4.75 4.80

Time-->





#16

Acetone

Concen: 1.539 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056069.D

Acq: 7 Jun 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

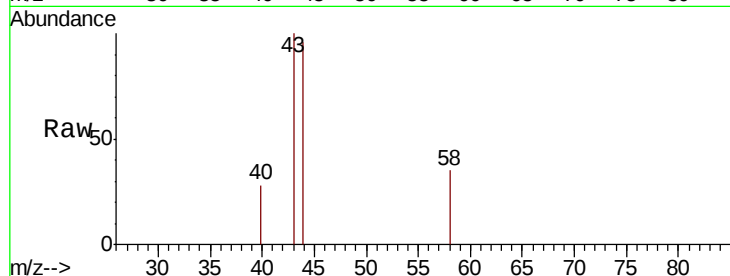
BPS1-TT-MW30411-20190604

Tot Ion: 43 Resp: 2372

Ion Ratio Lower Upper

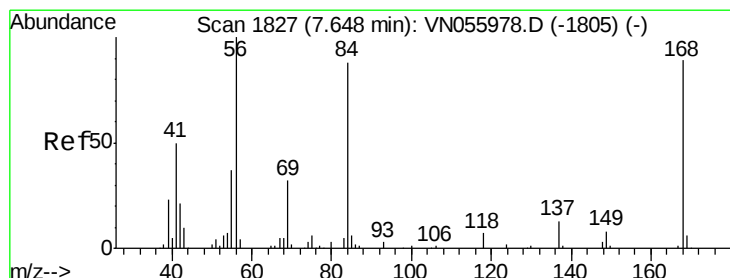
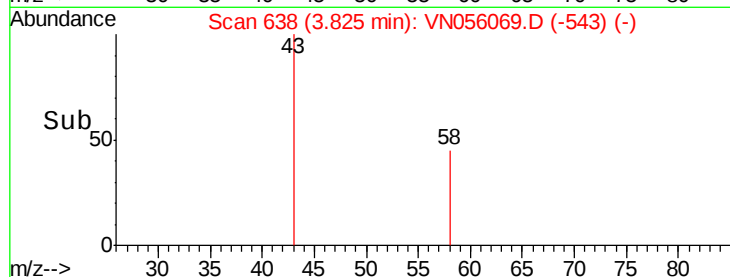
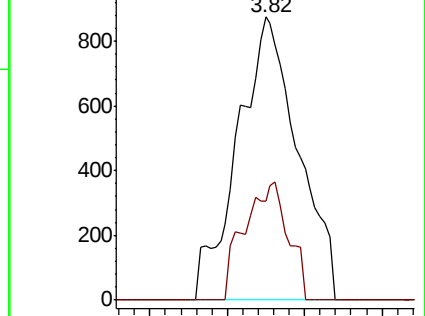
43 100

58 35.2 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) (-)



#31

Cyclohexane

Concen: 0.866 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056069.D

Acq: 7 Jun 2019 1:48

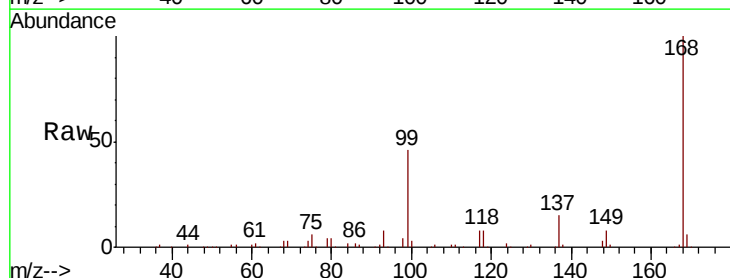
Tgt Ion: 56 Resp: 4427

Ion Ratio Lower Upper

56 100

69 181.4 25.6 38.4#

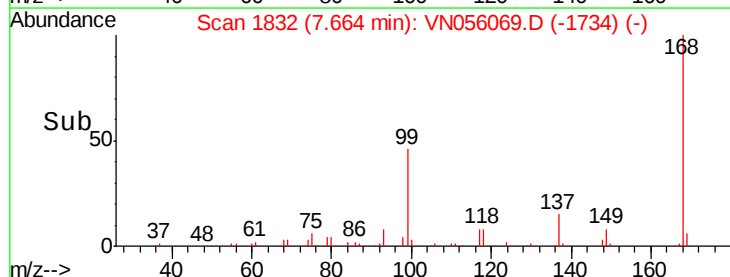
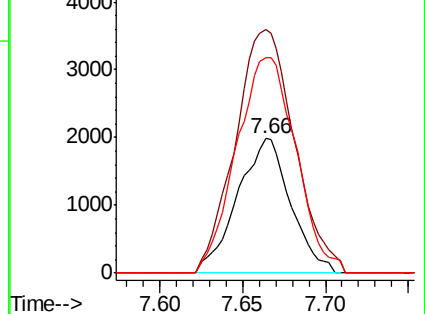
84 160.7 67.4 101.0#

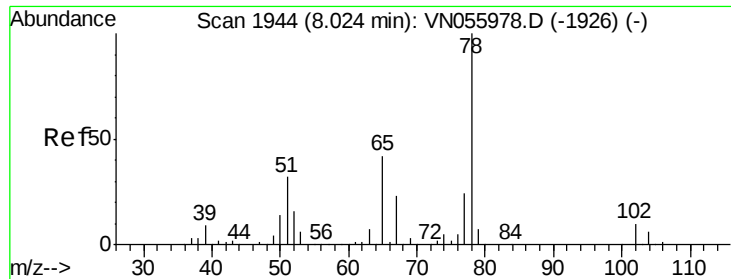


Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN055978.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN055978.D (-1805) (-)

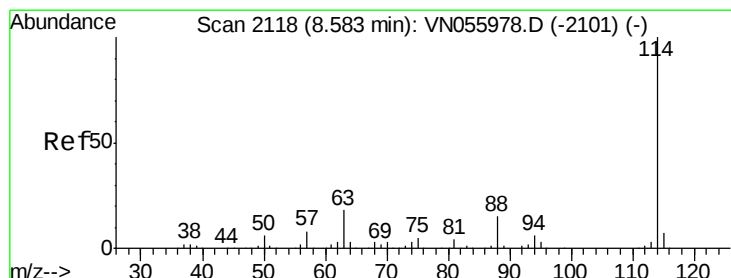
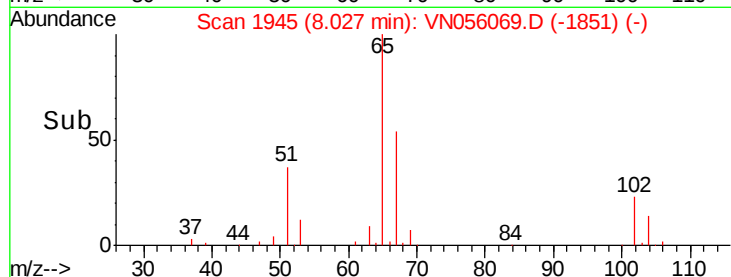
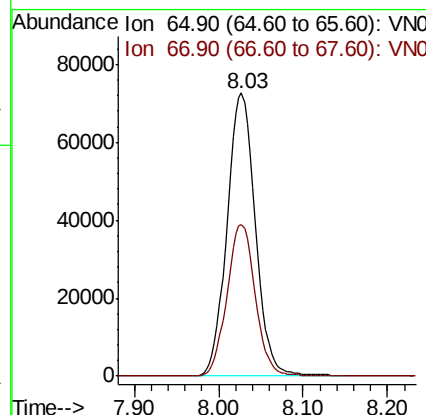
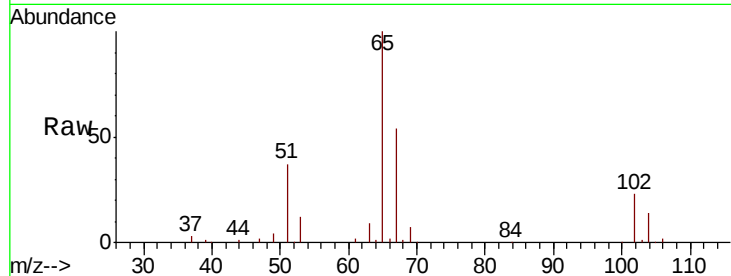




#33
 1,2-Dichloroethane-d4
 Concen: 52.664 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056069.D
 Acq: 7 Jun 2019 1:48

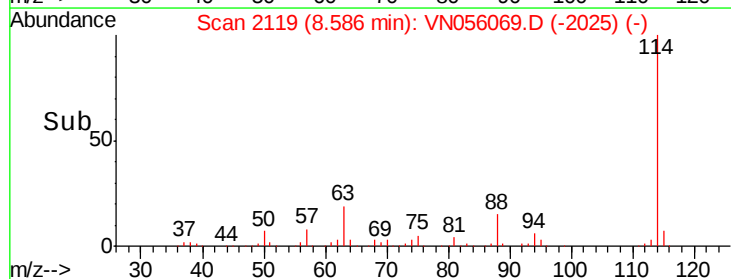
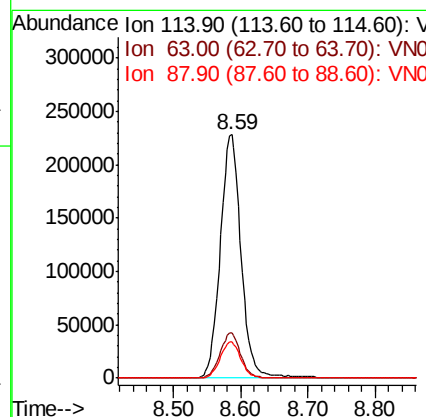
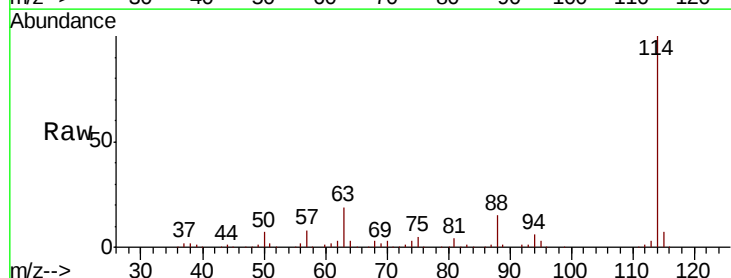
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW30411-20190604

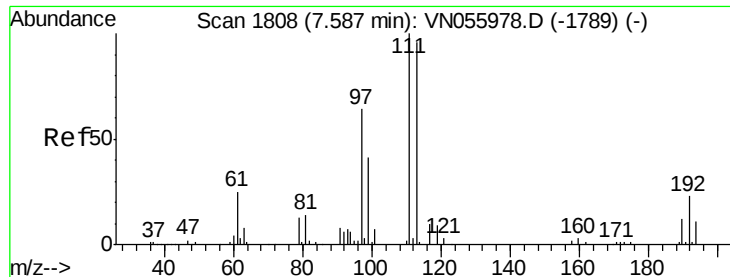
Tot Ion: 65 Resp: 169707
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056069.D
 Acq: 7 Jun 2019 1:48

Tgt Ion: 114 Resp: 493291
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.2
 88 14.7 0.0 31.0

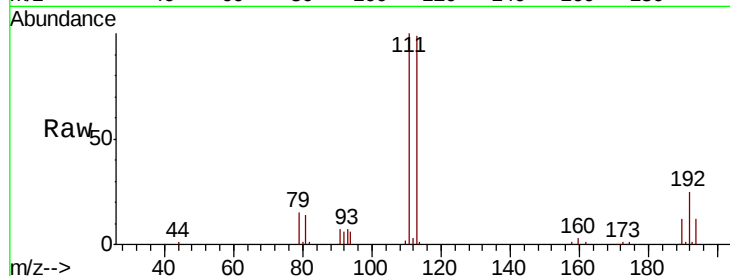




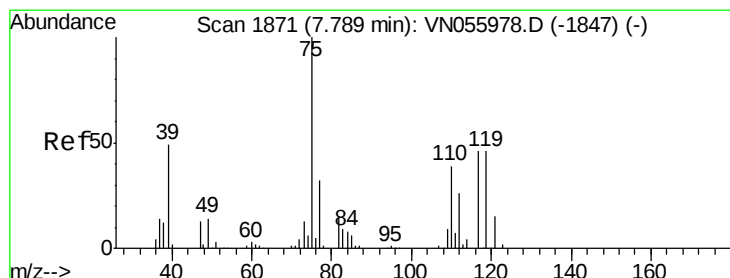
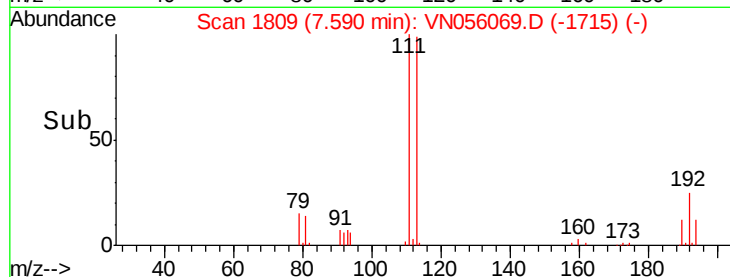
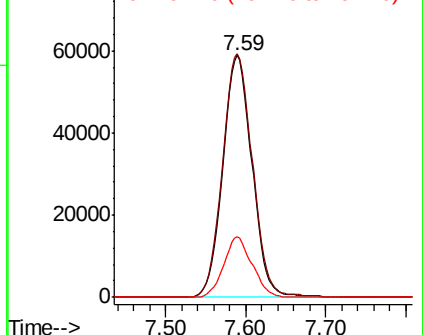
#35
 Dibromofluoromethane
 Concen: 48.596 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056069.D
 Acq: 7 Jun 2019 1:48

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW30411-20190604

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	24.3	19.5	29.3

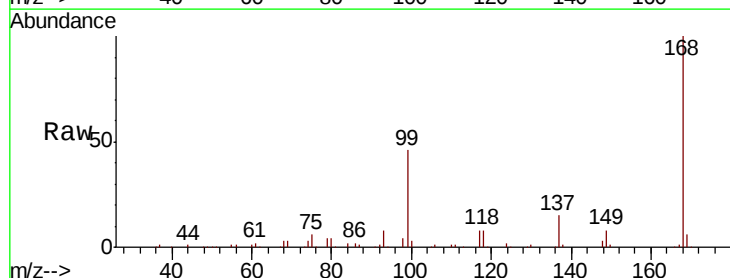


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

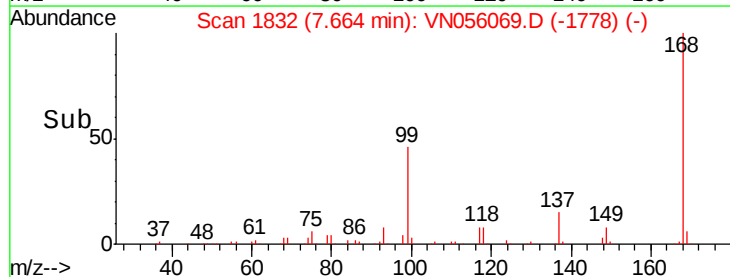
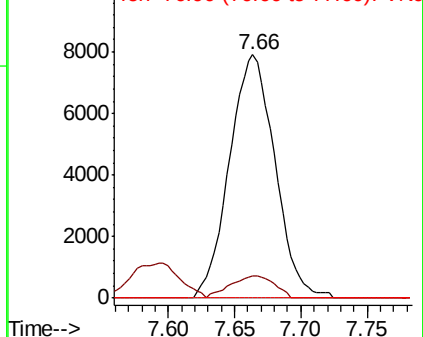


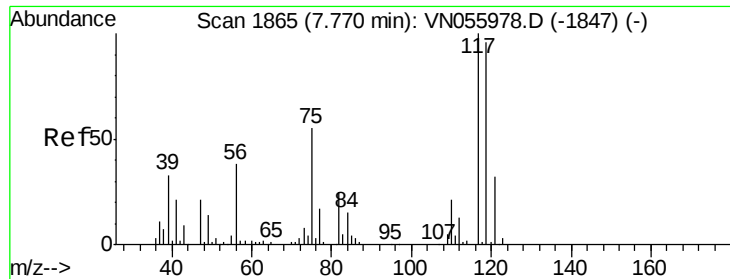
#36
 1,1-Dichloropropene
 Concen: 4.451 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056069.D
 Acq: 7 Jun 2019 1:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.0	57.0#
77	0.0	25.1	37.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

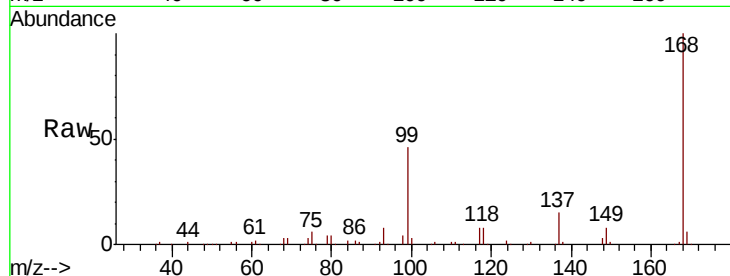




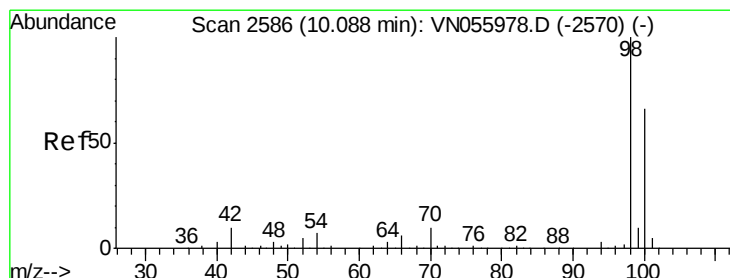
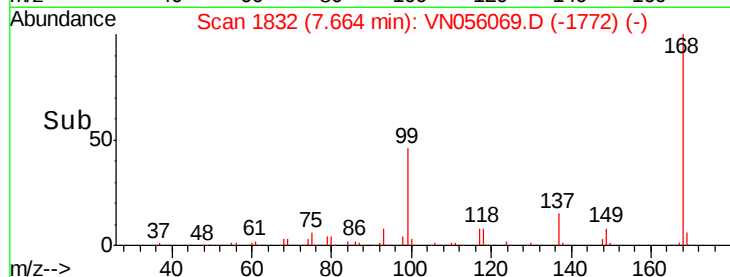
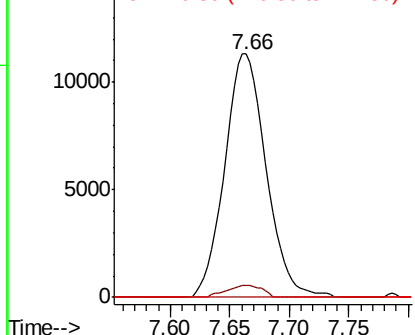
#38
Carbon Tetrachloride
Concen: 6.970 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056069.D
Acq: 7 Jun 2019 1:48

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW30411-20190604

Tot Ion:117 Resp: 27258
Ion Ratio Lower Upper
117 100
119 5.1 79.0 118.6#
121 0.0 24.7 37.1#

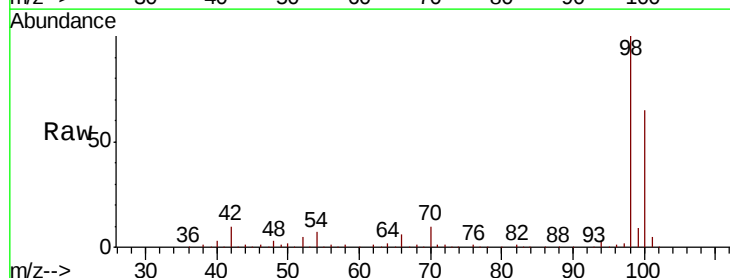


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

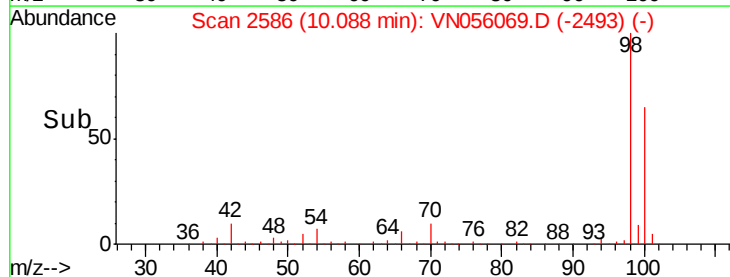
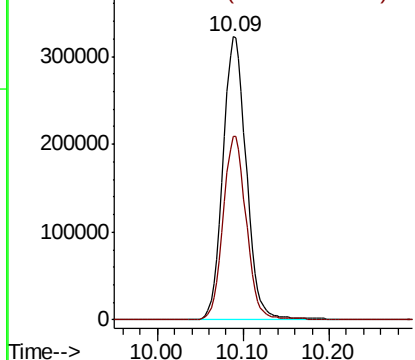


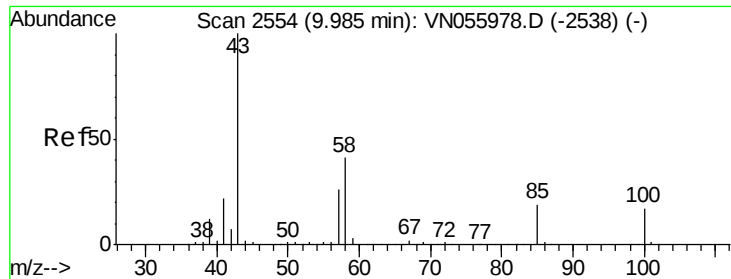
#50
Toluene-d8
Concen: 52.543 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056069.D
Acq: 7 Jun 2019 1:48

Tgt Ion: 98 Resp: 611918
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.648 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN056069.D

Acq: 7 Jun 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

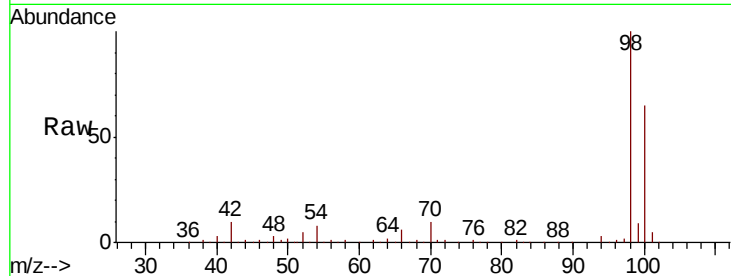
BPS1-TT-MW30411-20190604

Tot Ion: 43 Resp: 2480

Ion Ratio Lower Upper

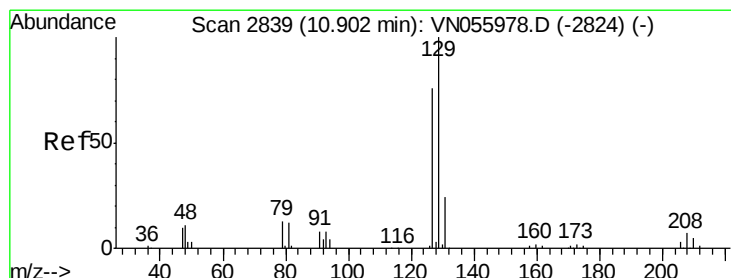
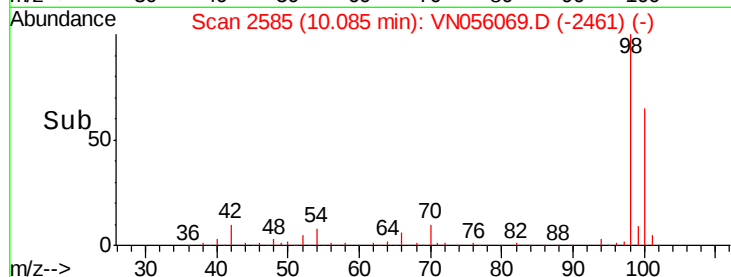
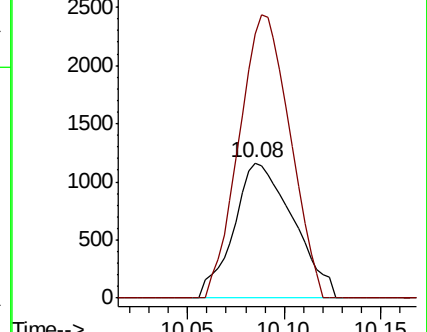
43 100

58 179.8 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) (-)



#60

Dibromochloromethane

Concen: 2.582 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN056069.D

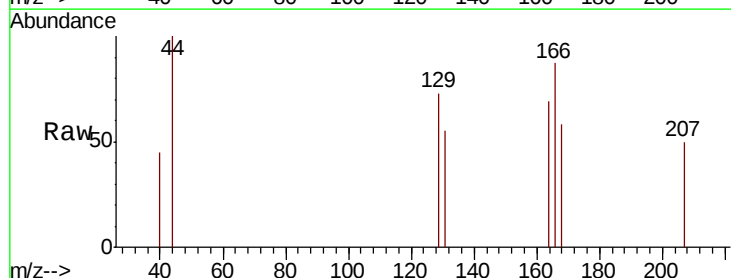
Acq: 7 Jun 2019 1:48

Tgt Ion: 129 Resp: 481

Ion Ratio Lower Upper

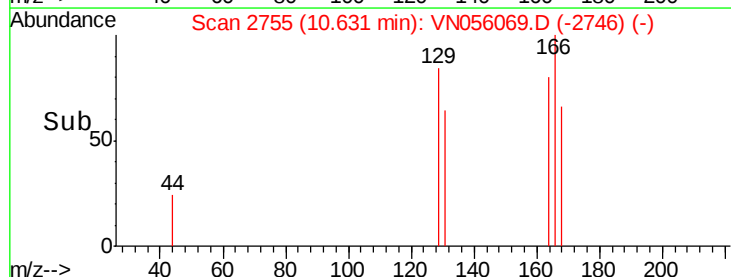
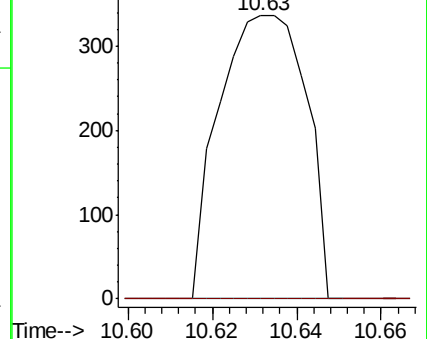
129 100

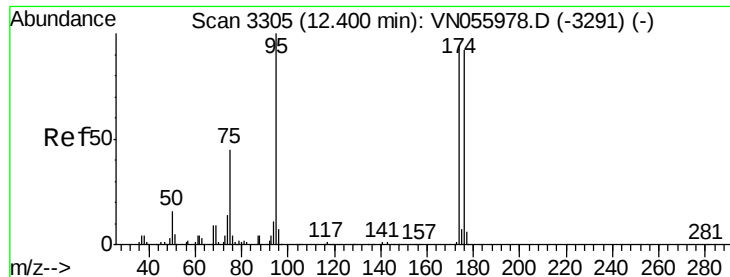
127 0.0 38.1 114.3#



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: 46.837 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056069.D

Acq: 7 Jun 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30411-20190604

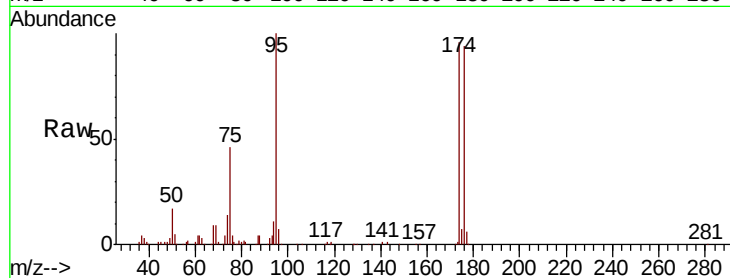
Tot Ion: 95 Resp: 185499

Ion Ratio Lower Upper

95 100

174 97.7 0.0 191.0

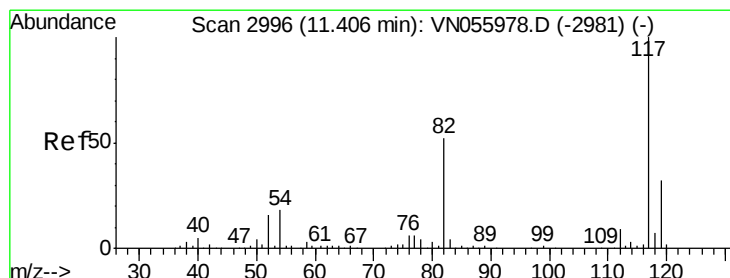
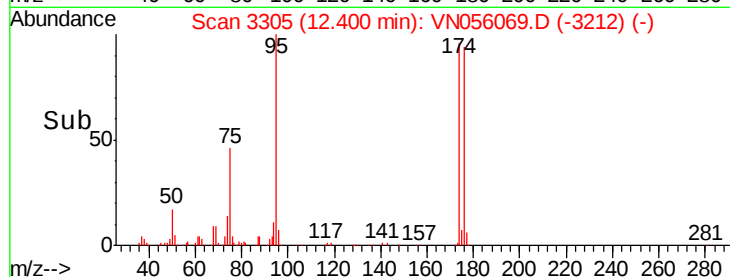
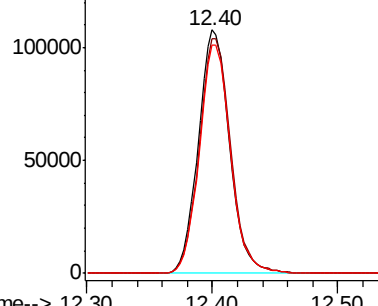
176 94.1 0.0 185.2



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: VN056069.D

Acq: 7 Jun 2019 1:48

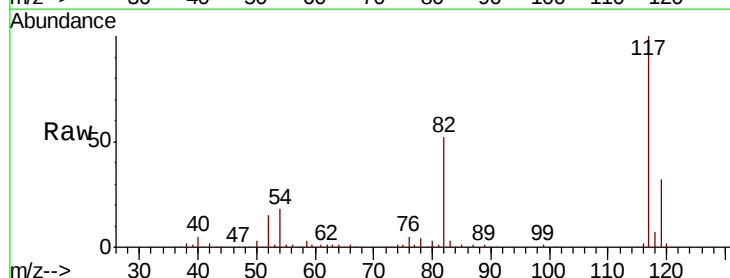
Tgt Ion: 117 Resp: 461218

Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

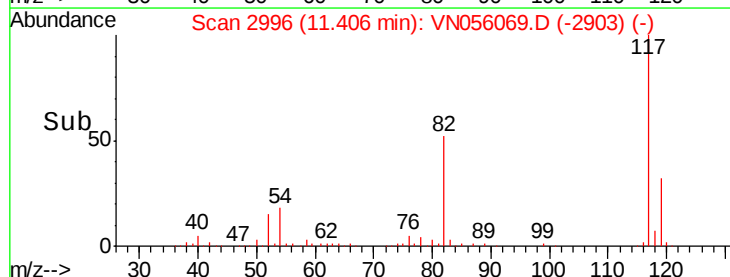
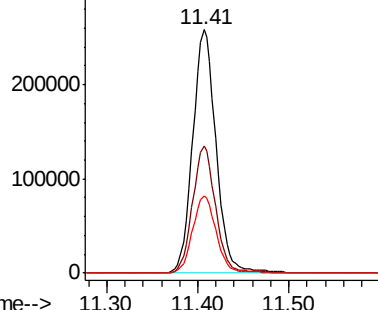
119 31.6 25.4 38.0

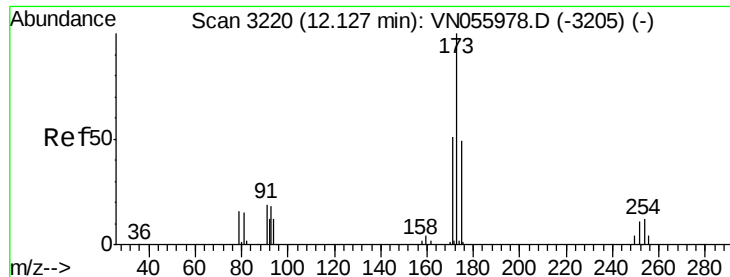


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

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: 3.175 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056069.D

Acq: 7 Jun 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30411-20190604

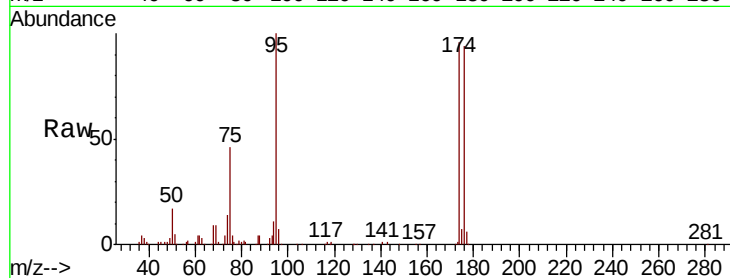
Tot Ion:173 Resp: 1218

Ion Ratio Lower Upper

173 100

175 896.3 24.3 72.8#

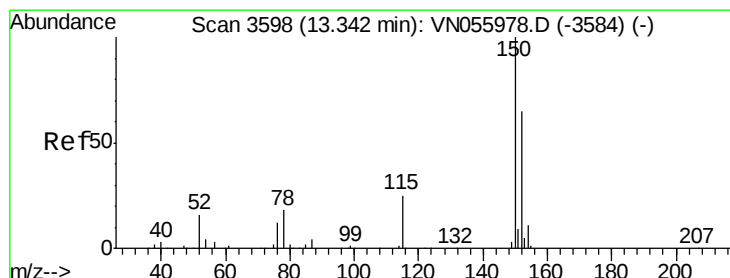
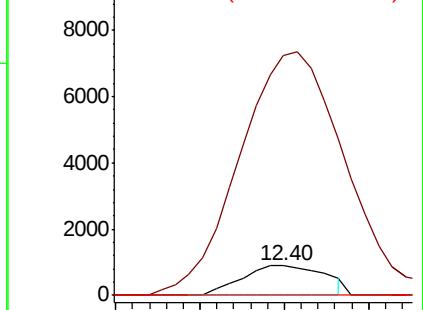
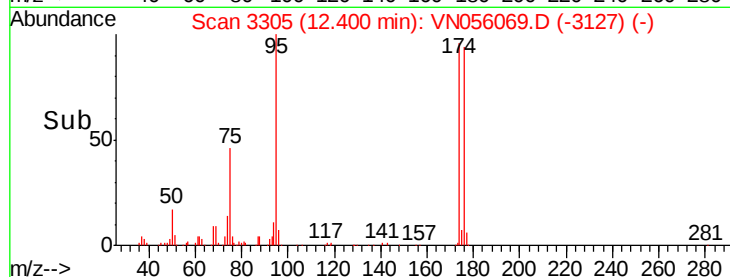
254 0.0 0.0 0.0



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: VN056069.D

Acq: 7 Jun 2019 1:48

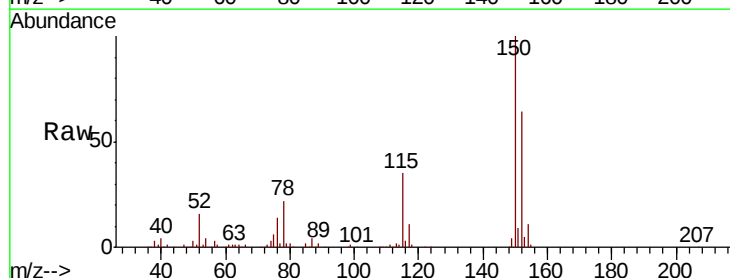
Tgt Ion:152 Resp: 142035

Ion Ratio Lower Upper

152 100

115 53.9 27.0 81.0

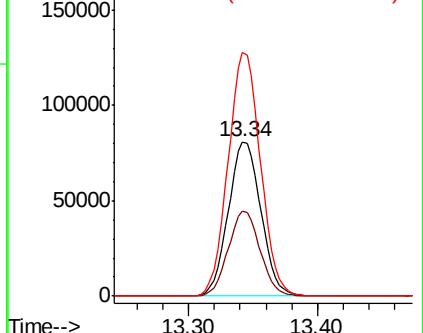
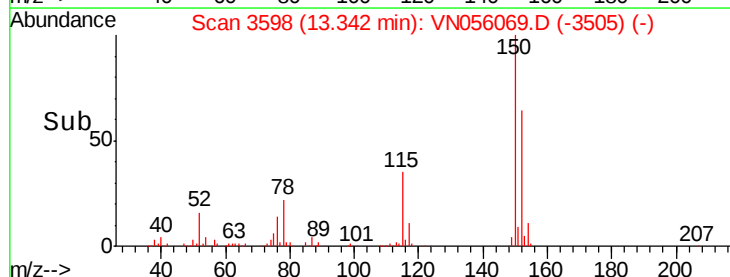
150 156.5 0.0 343.2

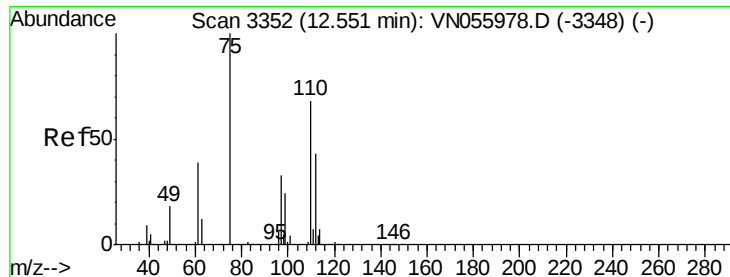


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 32.790 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056069.D

Acq: 7 Jun 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

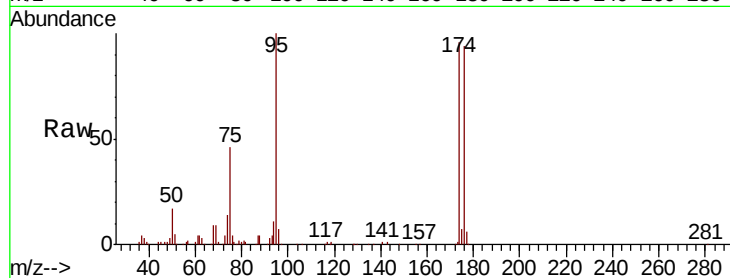
BPS1-TT-MW30411-20190604

Tot Ion: 75 Resp: 85696

Ion Ratio Lower Upper

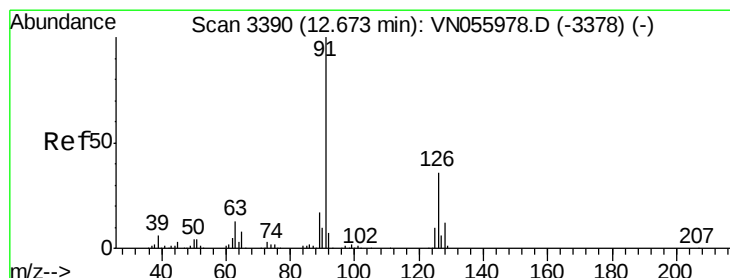
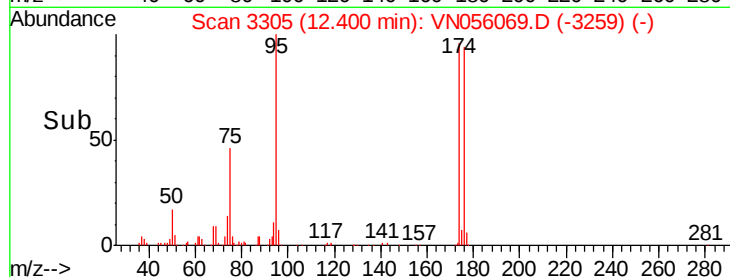
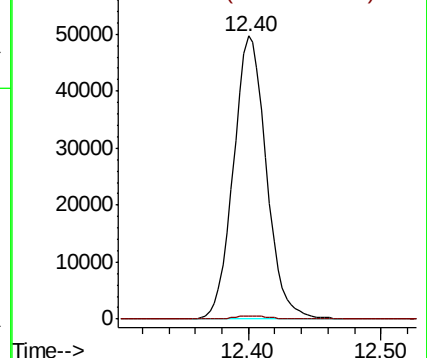
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3363

Delta R.T. -0.09 min

Lab File: VN056069.D

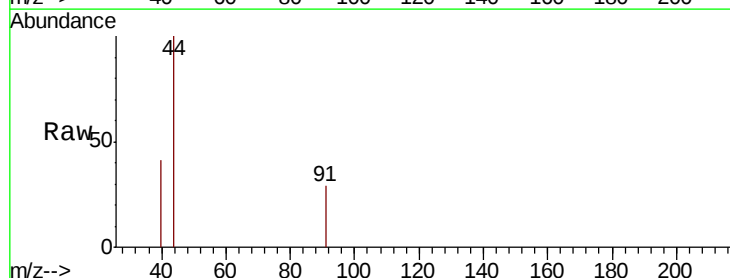
Acq: 7 Jun 2019 1:48

Tgt Ion: 91 Resp: 29

Ion Ratio Lower Upper

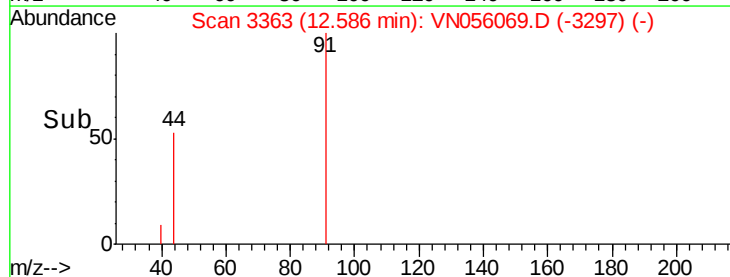
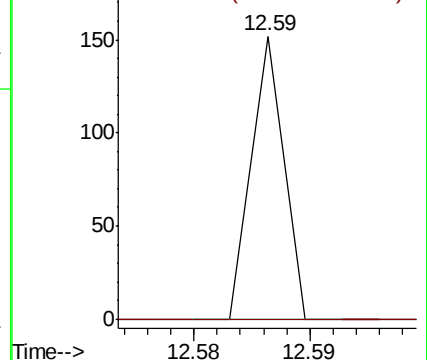
91 100

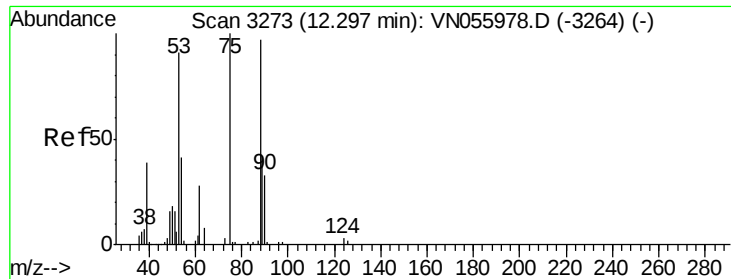
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 109.196 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056069.D

Acq: 7 Jun 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30411-20190604

Tot Ion: 75 Resp: 85696

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

