

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052233.D
 Acq On : 9 Nov 2018 18:02
 Operator : MD\SY
 Sample : J5893-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Nov 12 03:23:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	357640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	588471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	489076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	160801	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	224024	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	
35) Dibromofluoromethane	7.59	113	184617	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	10.09	98	723237	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.40	95	205881	42.68	ug/l	0.00
Spiked Amount			Recovery	=	85.36%	

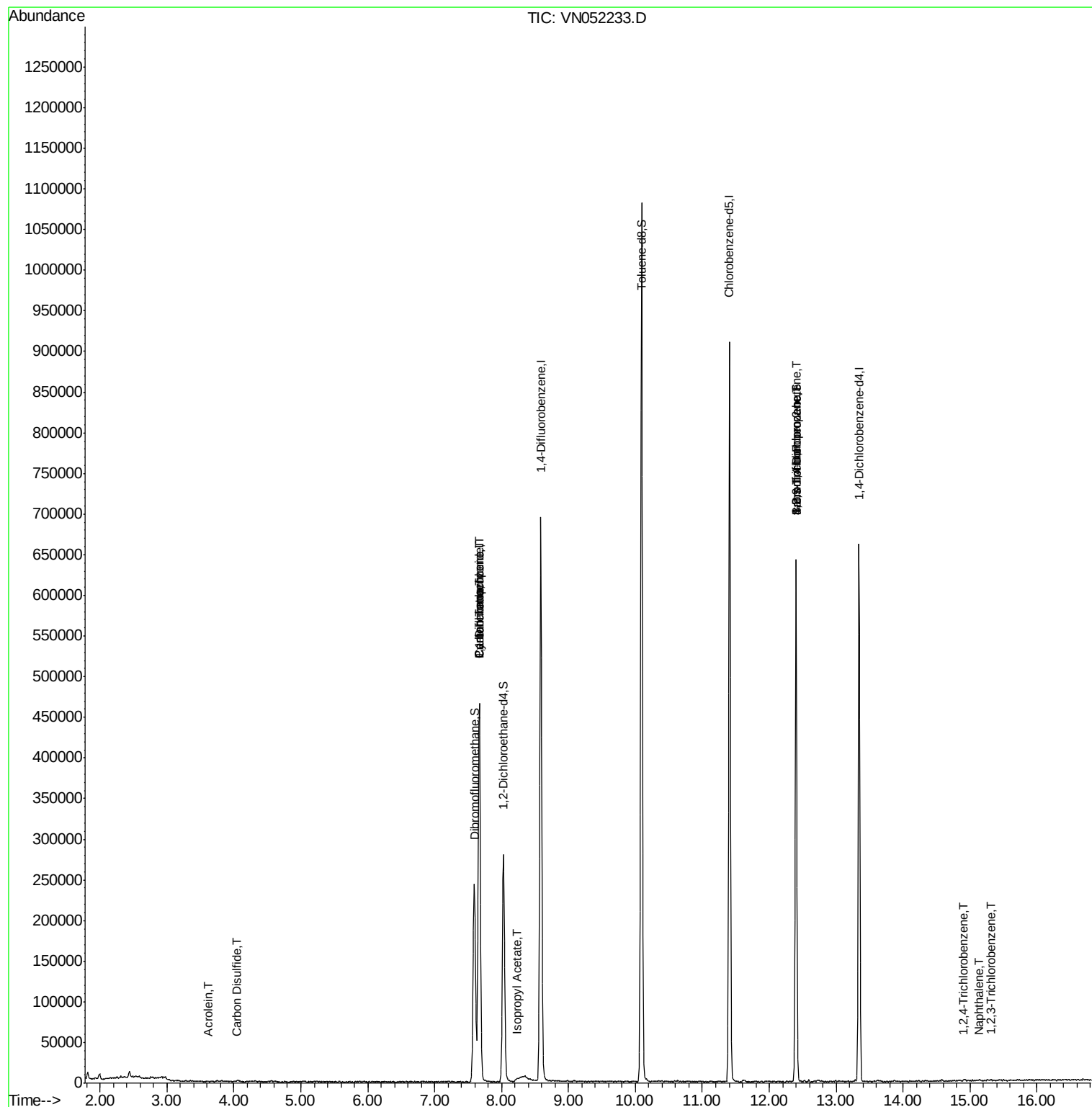
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	518	35.249	ug/l #	47
16) Acetone	3.82	43	628	Below Cal	#	46
17) Carbon Disulfide	4.05	76	2757	0.254	ug/l #	75
31) Cyclohexane	7.67	56	9864	0.623	ug/l #	14
36) 1,1-Dichloropropene	7.67	75	31366	5.281	ug/l #	51
38) Carbon Tetrachloride	7.66	117	37358	6.940	ug/l #	16
43) Isopropyl Acetate	8.24	43	3266	0.419	ug/l #	64
71) Bromoform	12.40	173	1690	0.807	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	110763	38.933	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	110763	132.895	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.91	180	505	0.244	ug/l #	86
95) Naphthalene	15.13	128	1284	0.252	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	553	0.283	ug/l #	84

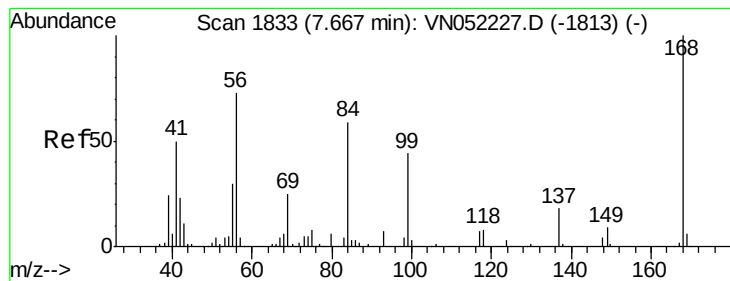
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052233.D

Acq: 9 Nov 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

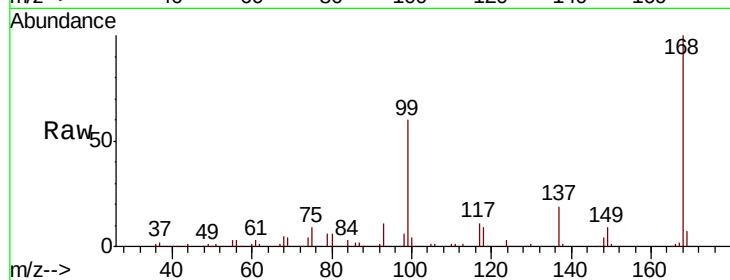
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 357640

Ion Ratio Lower Upper

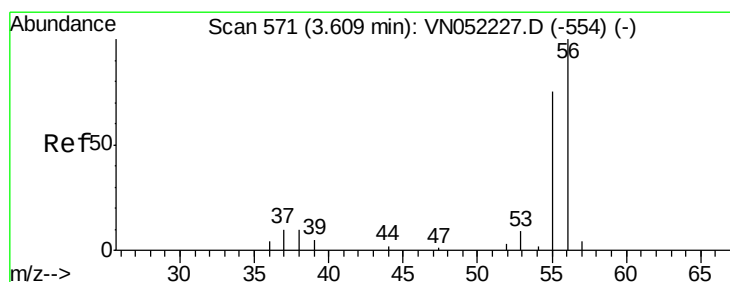
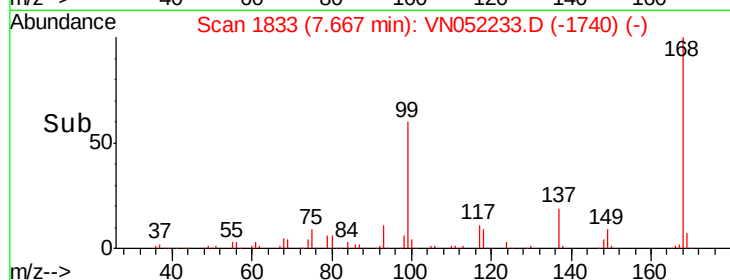
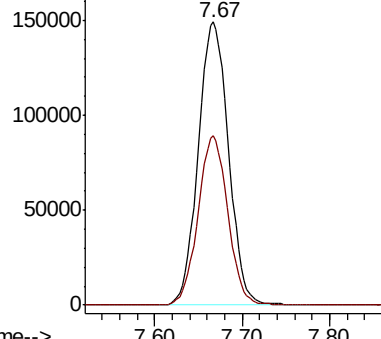
168 100

99 59.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 35.249 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN052233.D

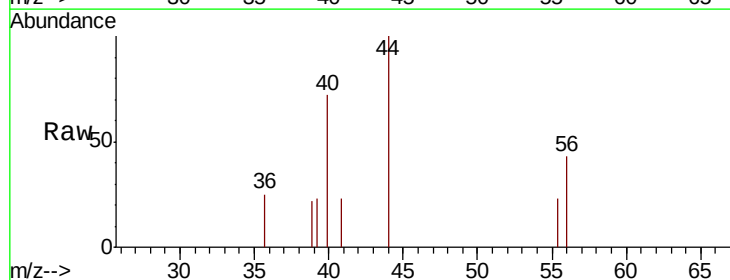
Acq: 9 Nov 2018 18:02

Tgt Ion: 56 Resp: 518

Ion Ratio Lower Upper

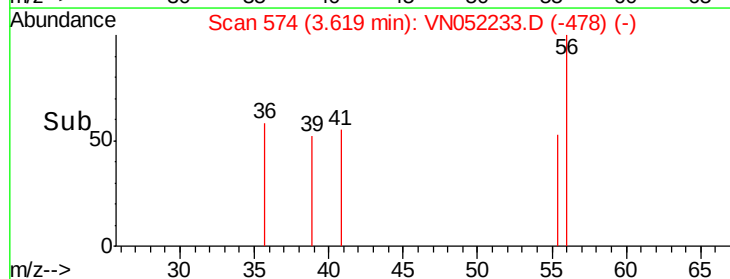
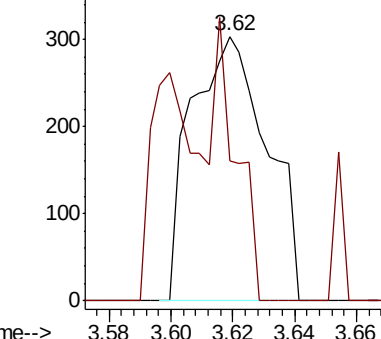
56 100

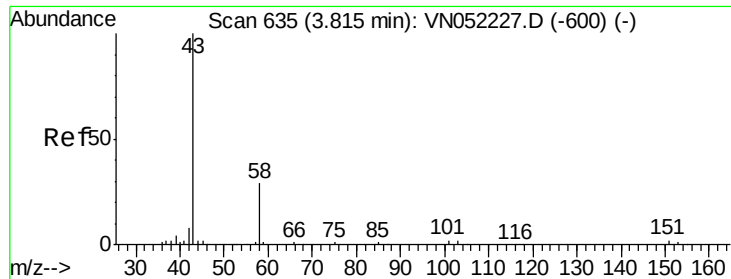
55 29.9 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052233.D

Acq: 9 Nov 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

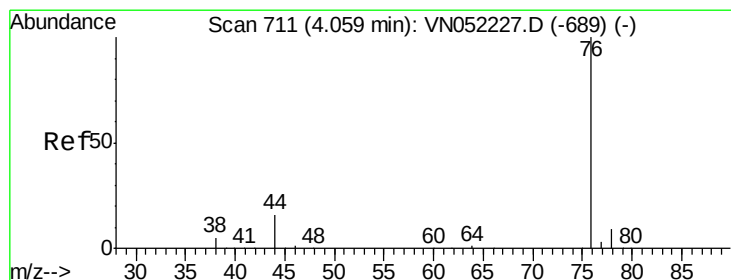
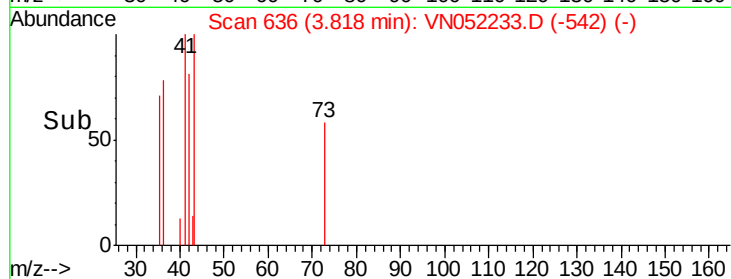
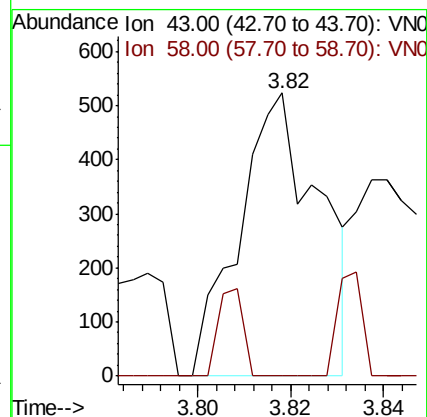
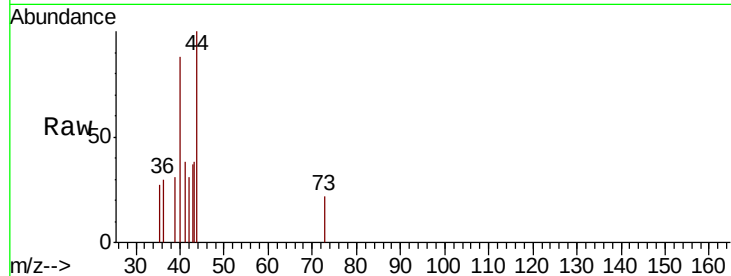
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 628

Ion Ratio Lower Upper

43 100

58 0.0 23.0 34.6#



#17

Carbon Disulfide

Concen: 0.254 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.01 min

Lab File: VN052233.D

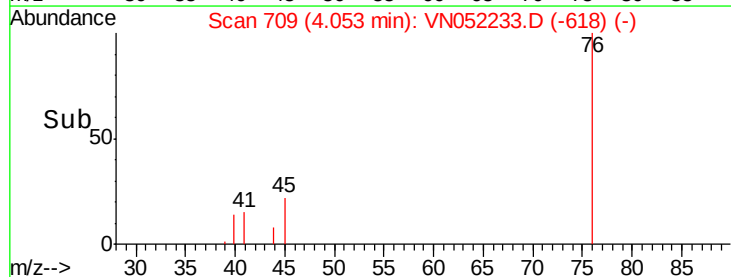
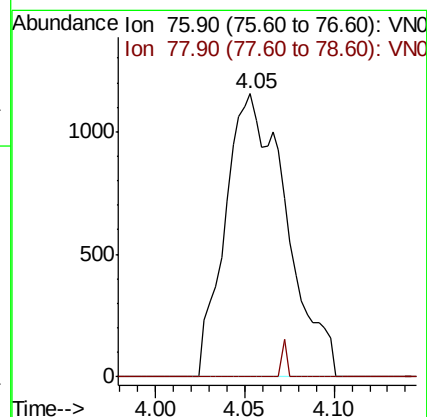
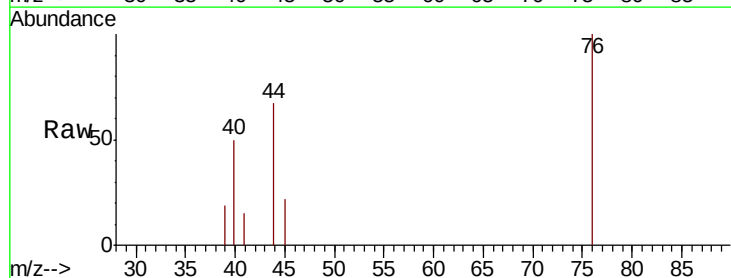
Acq: 9 Nov 2018 18:02

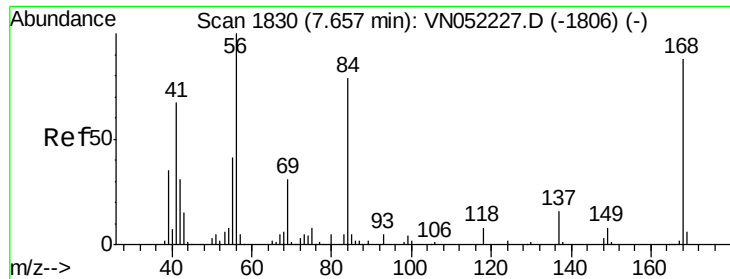
Tgt Ion: 76 Resp: 2757

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

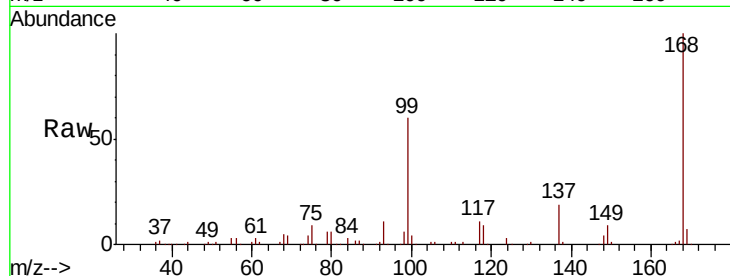




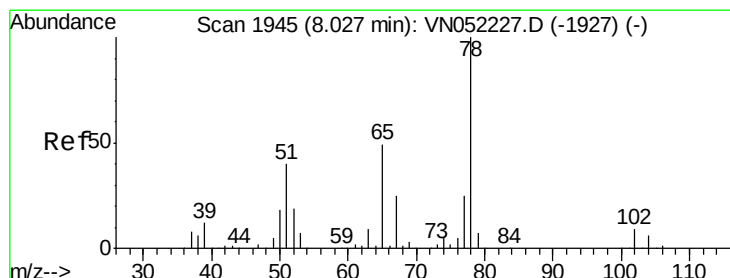
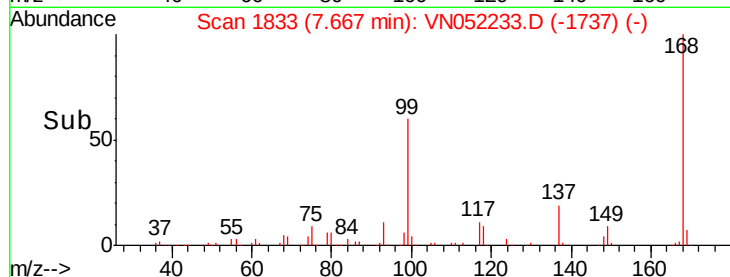
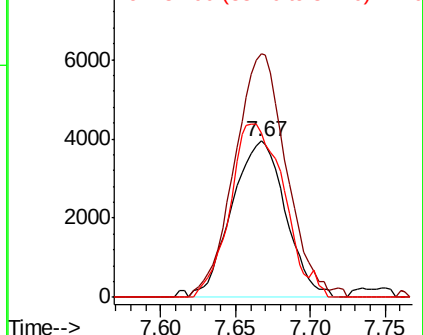
#31
Cyclohexane
Concen: 0.623 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052233.D
Acq: 9 Nov 2018 18:02

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion: 56 Resp: 9864
Ion Ratio Lower Upper
56 100
69 155.8 24.8 37.2#
84 105.3 63.1 94.7#

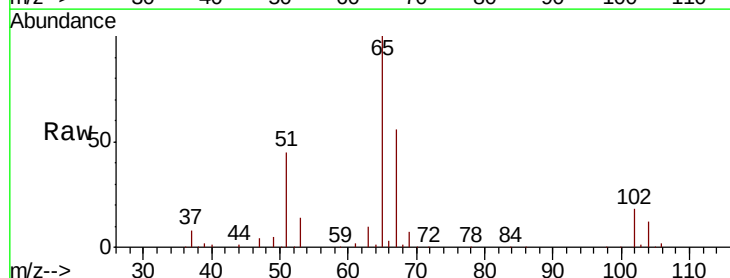


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

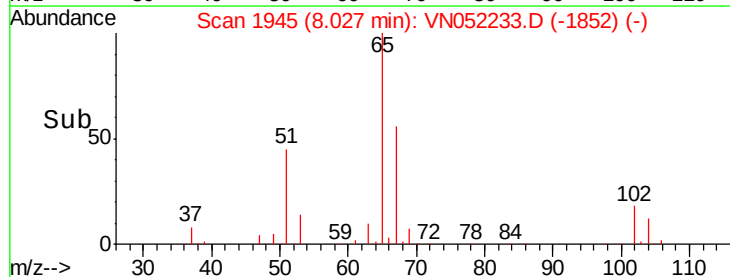
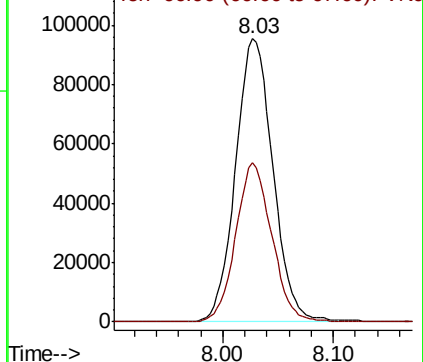


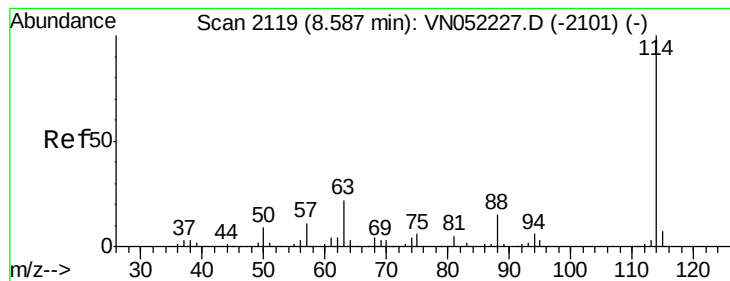
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052233.D
Acq: 9 Nov 2018 18:02

Tgt Ion: 65 Resp: 224024
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.6



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: VN052233.D

Acq: 9 Nov 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

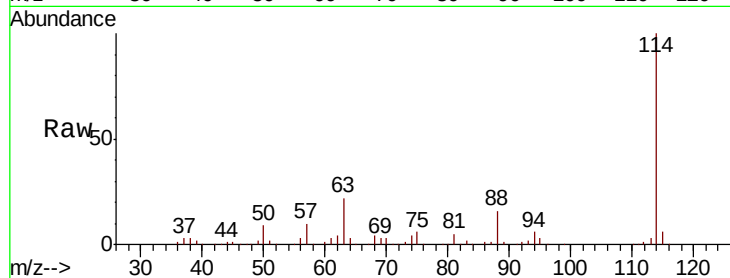
Tot Ion:114 Resp: 588471

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.4

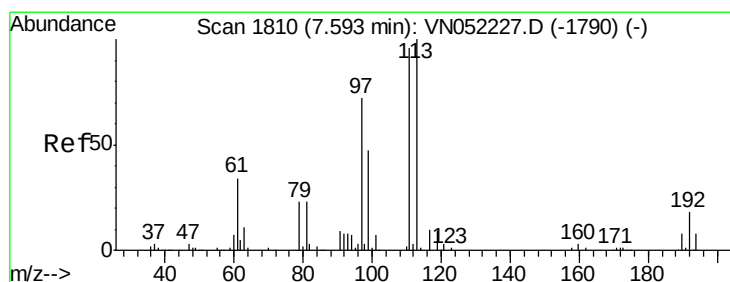
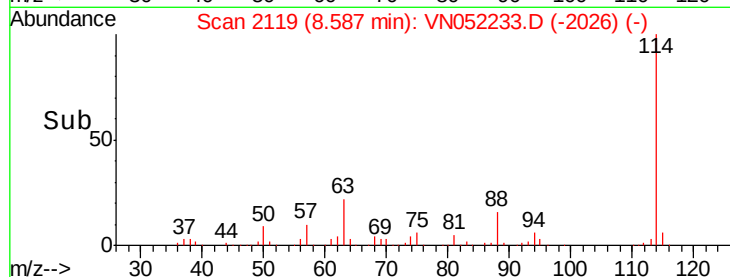
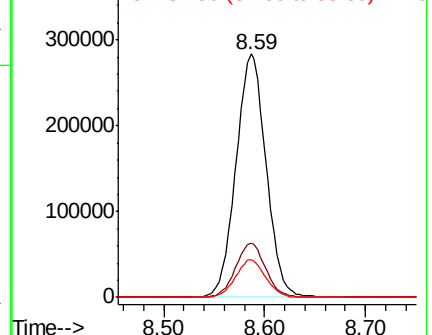
88 15.7 0.0 30.2



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: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052233.D

Acq: 9 Nov 2018 18:02

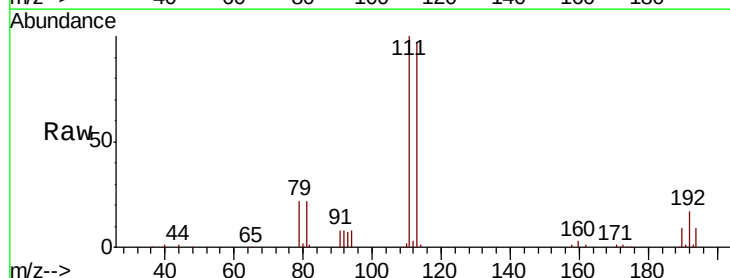
Tgt Ion:113 Resp: 184617

Ion Ratio Lower Upper

113 100

111 103.3 80.2 120.4

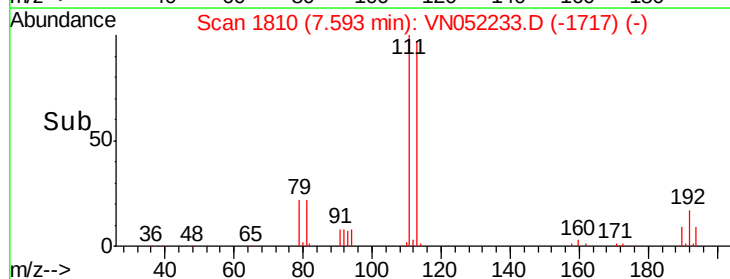
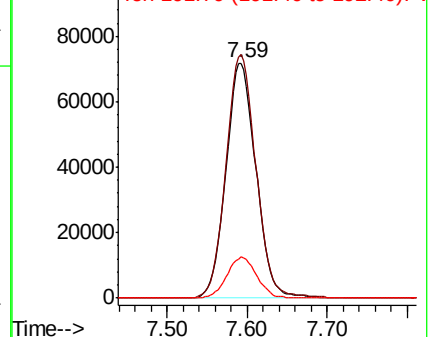
192 17.3 14.1 21.1

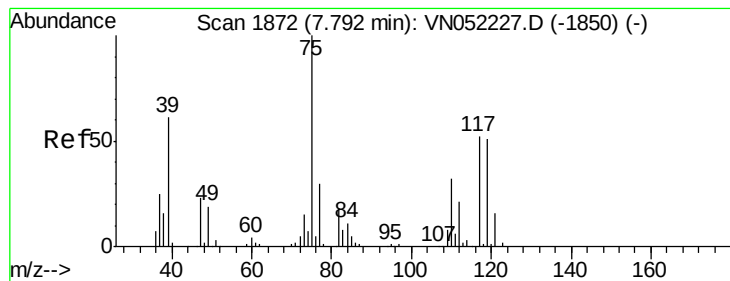


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.281 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052233.D

Acq: 9 Nov 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

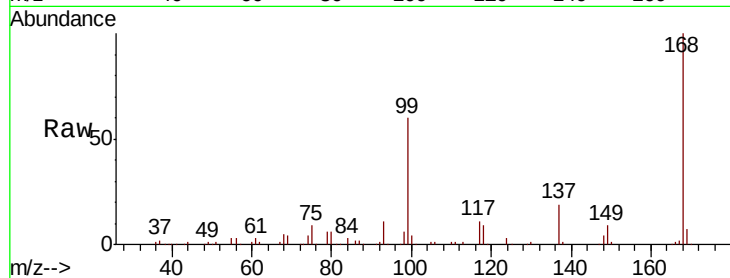
Tot Ion: 75 Resp: 31366

Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.4#

77 0.0 23.9 35.9#



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-1850) (-)

Ion 109.90 (109.60 to 110.60): VN052227.D (-1850) (-)

Ion 76.90 (76.60 to 77.60): VN052227.D (-1850) (-)

7.67

15000

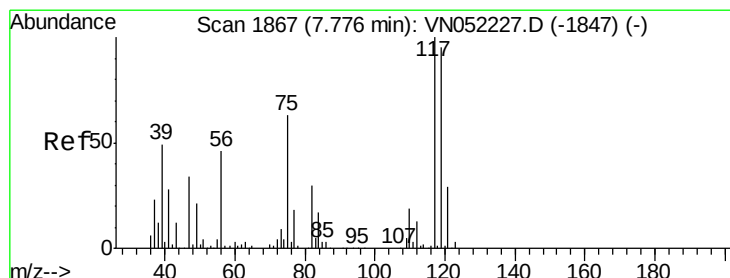
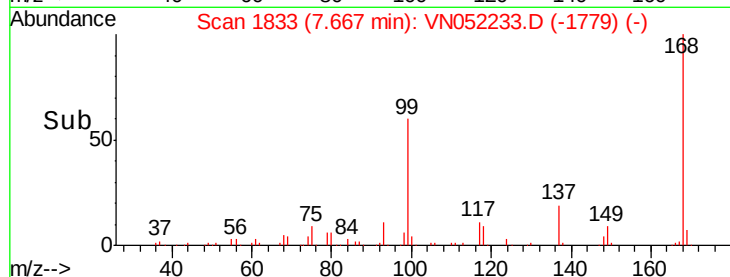
10000

5000

0

7.60 7.65 7.70 7.75

Time-->



#38

Carbon Tetrachloride

Concen: 6.940 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052233.D

Acq: 9 Nov 2018 18:02

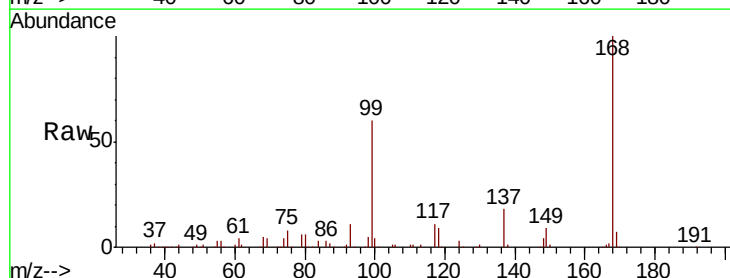
Tgt Ion: 117 Resp: 37358

Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.8#

121 0.0 23.4 35.2#



Abundance Ion 116.80 (116.50 to 117.50): VN052227.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN052227.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN052227.D (-1847) (-)

7.66

20000

15000

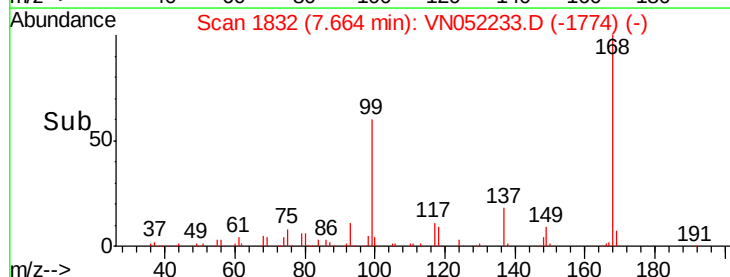
10000

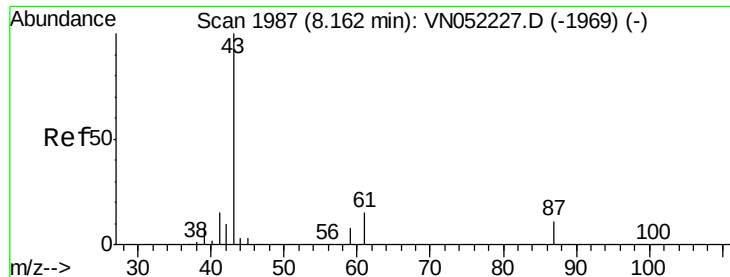
5000

0

7.60 7.65 7.70 7.75

Time-->





#43

Isopropyl Acetate

Concen: 0.419 ug/l

RT: 8.24 min Scan# 2010

Delta R.T. 0.07 min

Lab File: VN052233.D

Acq: 9 Nov 2018 18:02

Instrument :

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STORAGE-BLANK-WATER-REF-5

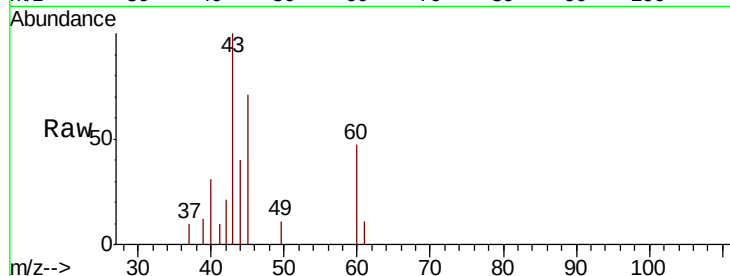
Tot Ion: 43 Resp: 3266

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

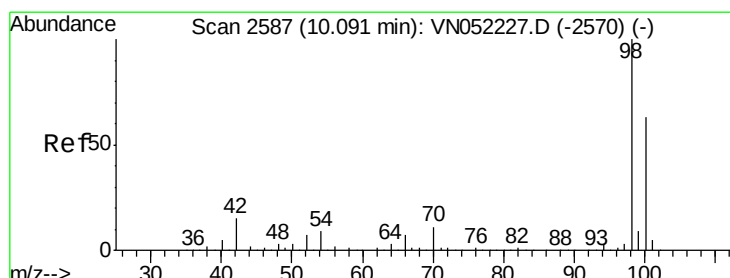
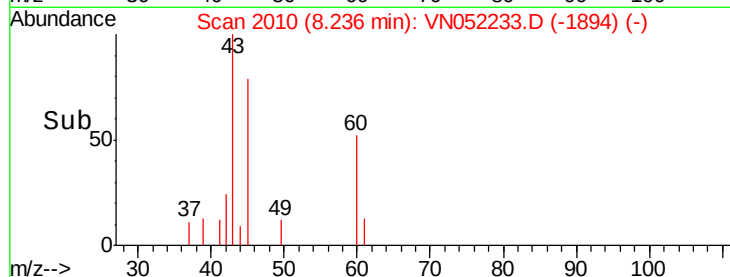
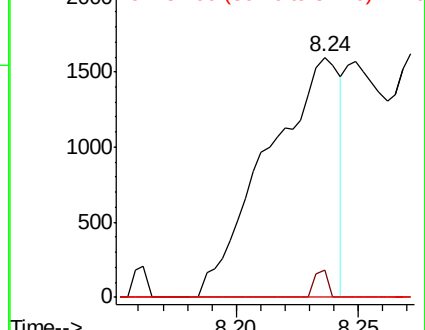
87 0.0 8.4 12.6#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052233.D

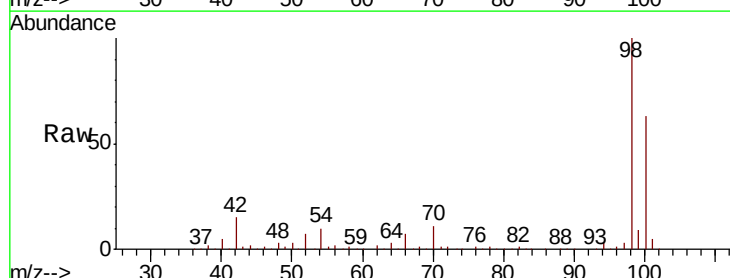
Acq: 9 Nov 2018 18:02

Tgt Ion: 98 Resp: 723237

Ion Ratio Lower Upper

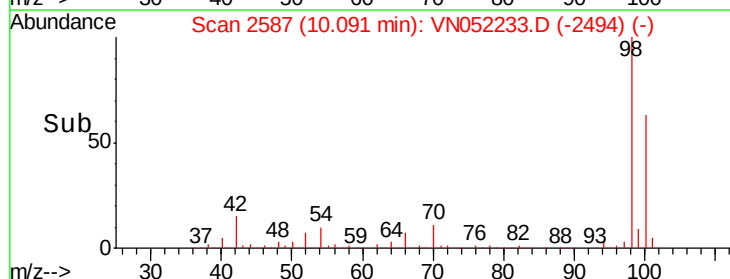
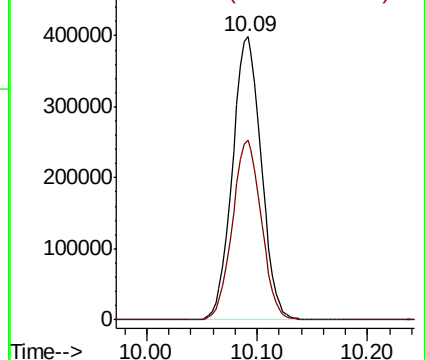
98 100

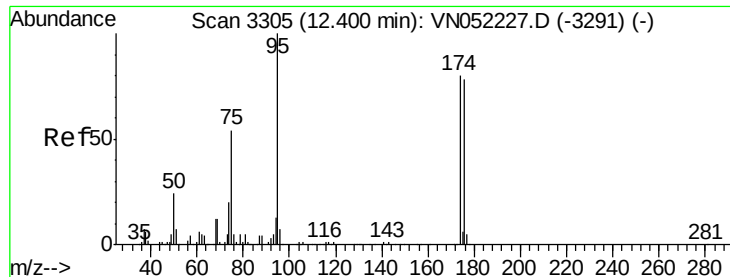
100 63.6 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052233.D

Acq: 9 Nov 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

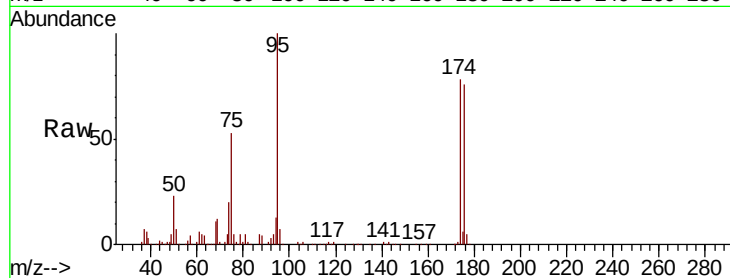
Tot Ion: 95 Resp: 205881

Ion Ratio Lower Upper

95 100

174 78.2 0.0 159.4

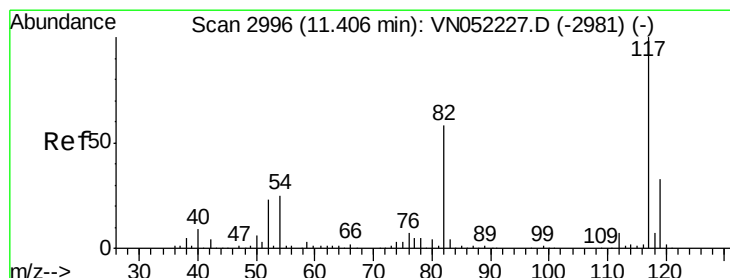
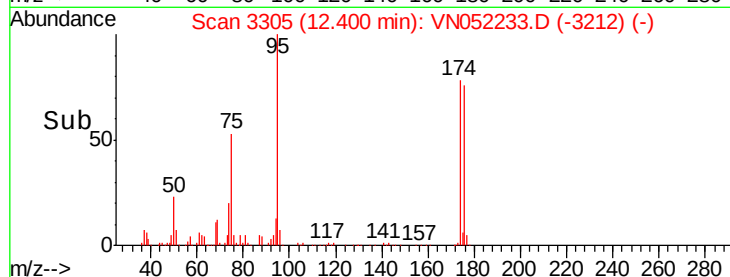
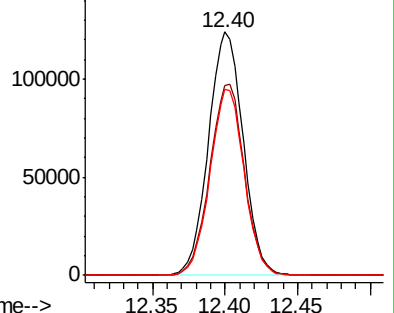
176 75.2 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN052233.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052233.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052233.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052233.D

Acq: 9 Nov 2018 18:02

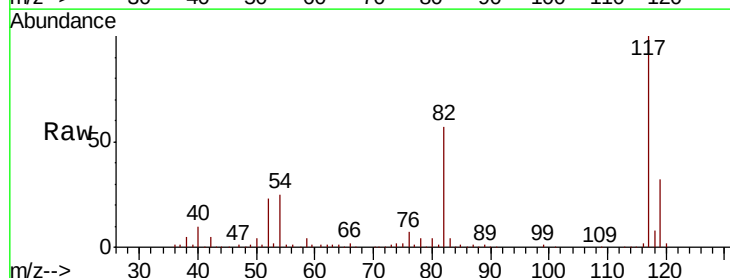
Tgt Ion: 117 Resp: 489076

Ion Ratio Lower Upper

117 100

82 57.0 46.2 69.2

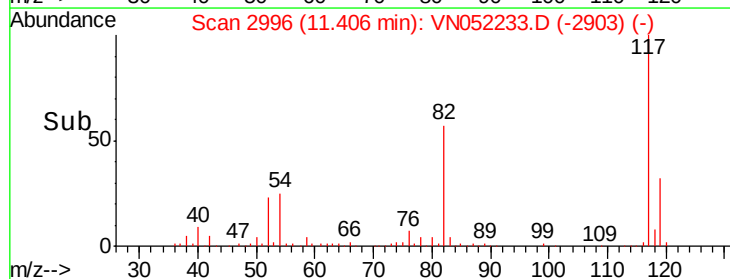
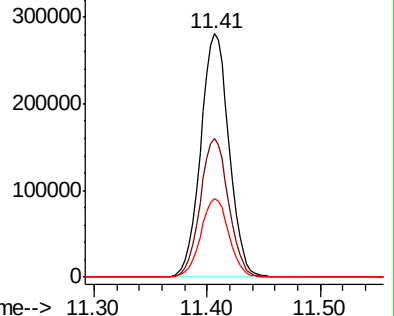
119 32.3 26.2 39.4

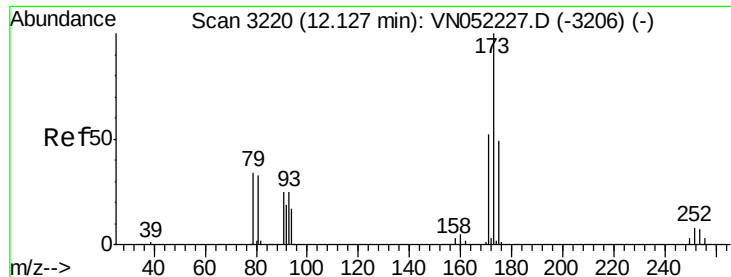


Abundance Ion 116.90 (116.60 to 117.60): VN052233.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052233.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052233.D (-2903) (-)





#71

Bromoform

Concen: 0.807 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052233.D

Acq: 9 Nov 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

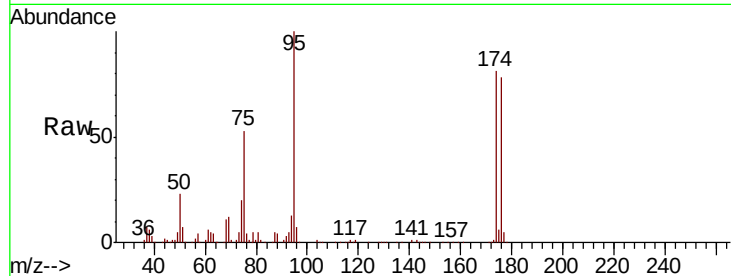
Tot Ion:173 Resp: 1690

Ion Ratio Lower Upper

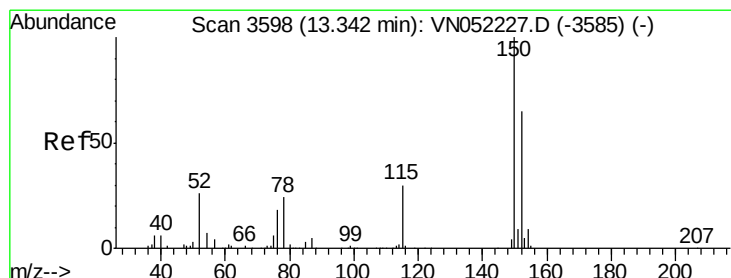
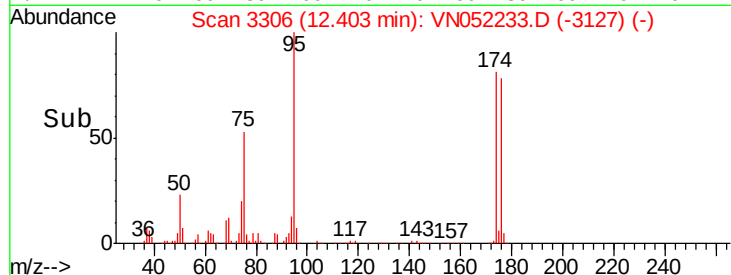
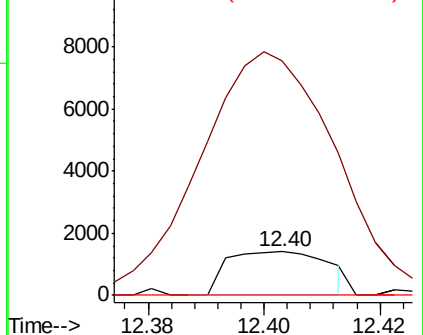
173 100

175 683.1 24.5 73.5#

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: VN052233.D

Acq: 9 Nov 2018 18:02

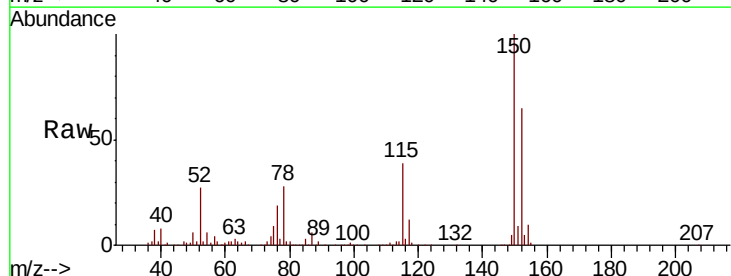
Tgt Ion:152 Resp: 160801

Ion Ratio Lower Upper

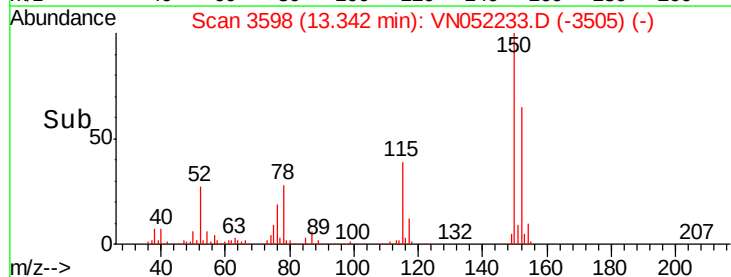
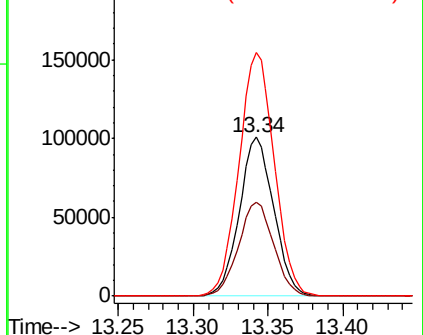
152 100

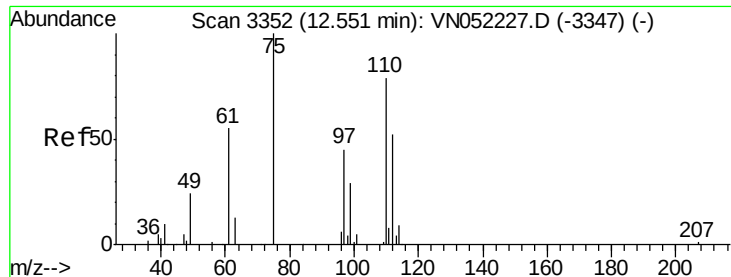
115 60.4 29.8 89.5

150 157.7 0.0 350.2



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: 38.933 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052233.D

Acq: 9 Nov 2018 18:02

Instrument :

MSVOA_N

ClientSampleId :

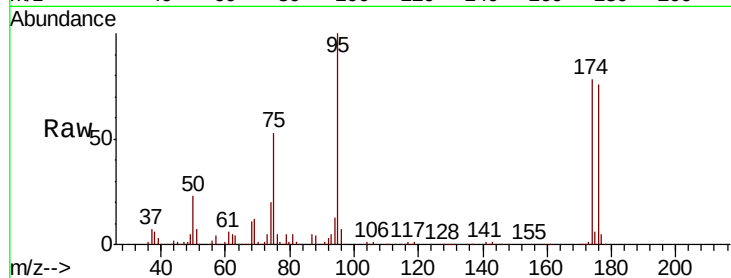
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 110763

Ion Ratio Lower Upper

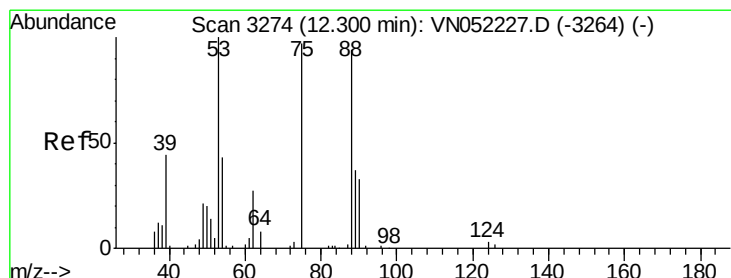
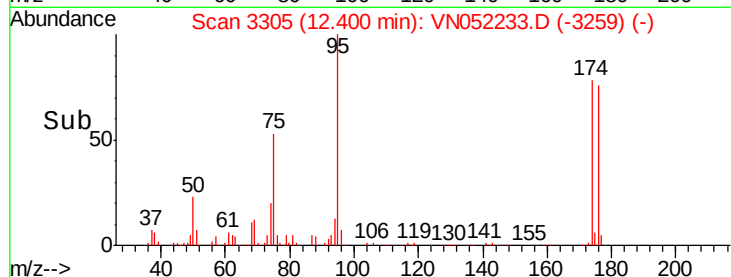
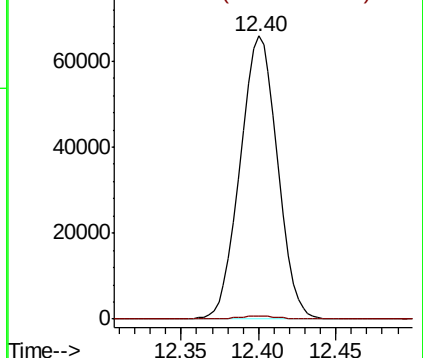
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 132.895 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052233.D

Acq: 9 Nov 2018 18:02

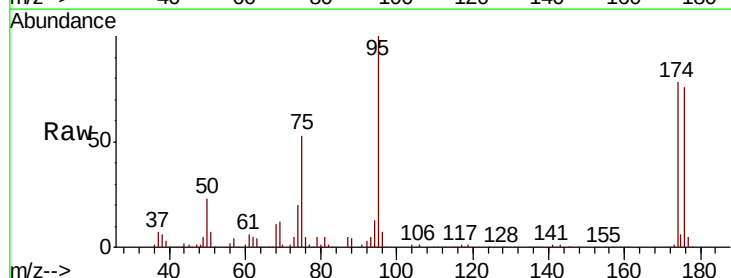
Tgt Ion: 75 Resp: 110763

Ion Ratio Lower Upper

75 100

53 0.0 84.0 126.0#

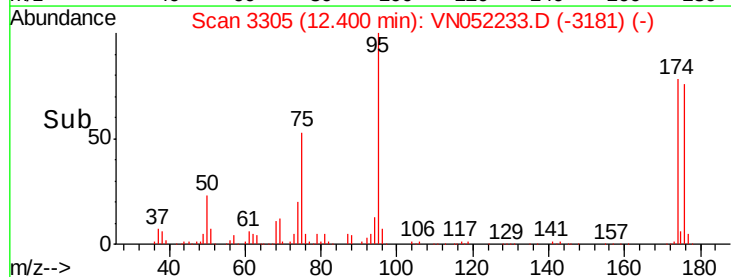
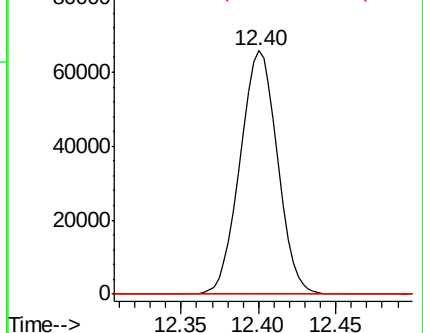
89 0.0 33.7 50.5#

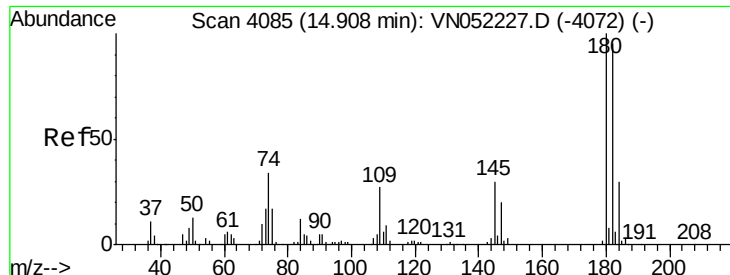


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

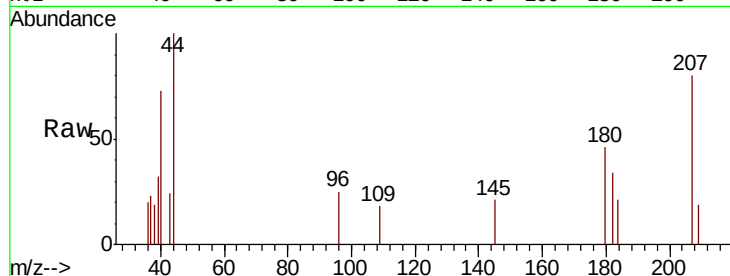




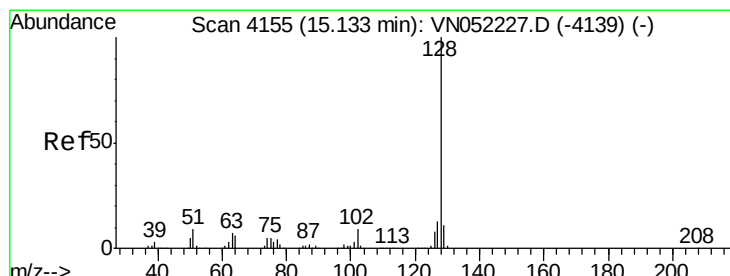
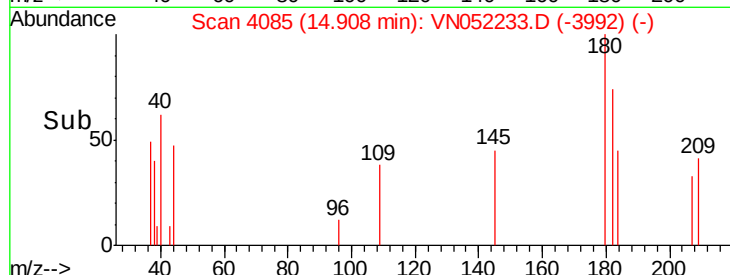
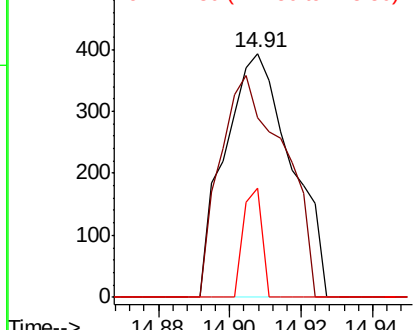
#93
 1,2,4-Trichlorobenzene
 Concen: 0.244 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052233.D
 Acq: 9 Nov 2018 18:02

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Tot Ion:180 Resp: 505
 Ion Ratio Lower Upper
 180 100
 182 87.5 47.3 142.0
 145 12.5 15.6 46.8#

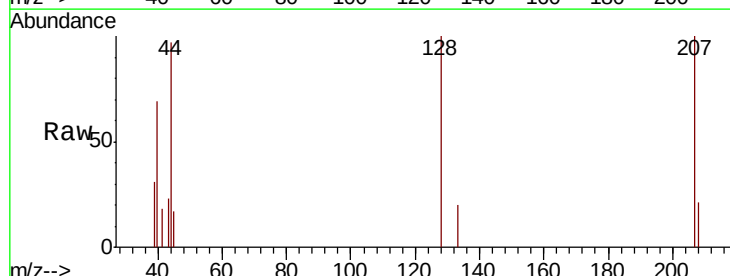


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

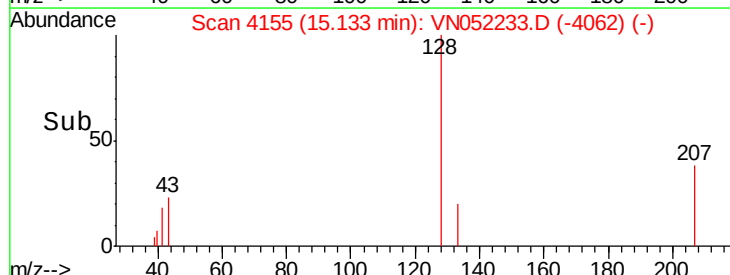
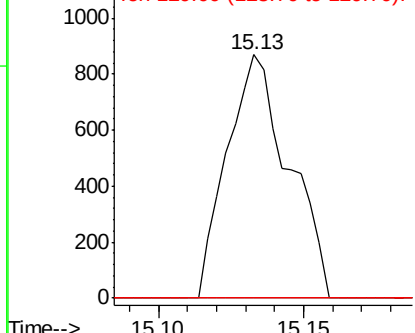


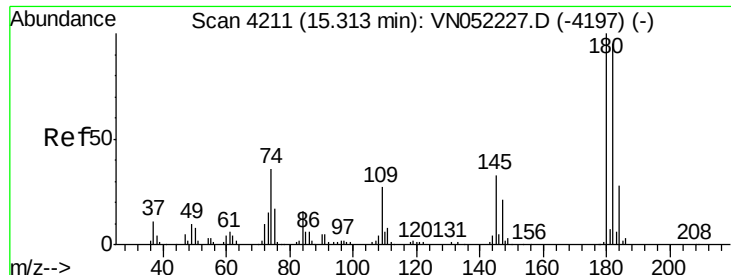
#95
 Naphthalene
 Concen: 0.252 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN052233.D
 Acq: 9 Nov 2018 18:02

Tgt Ion:128 Resp: 1284
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 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

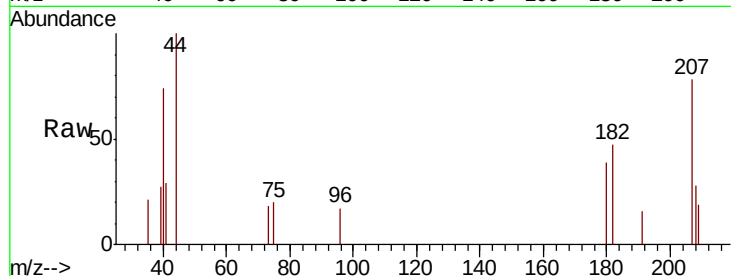




#96
 1,2,3-Trichlorobenzene
 Concen: 0.283 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052233.D
 Acq: 9 Nov 2018 18:02

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.8	47.7	143.1
145	5.4	16.8	50.3



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

