

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054335.D
 Acq On : 16 Mar 2019 14:29
 Operator : JC/SP
 Sample : K1962-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Mar 18 04:49:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1893386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2631464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2221372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	797665	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	906349	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	
35) Dibromofluoromethane	7.59	113	809192	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
50) Toluene-d8	10.09	98	3053948	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.40	95	906700	41.34	ug/l	0.00
Spiked Amount			Recovery	=	82.68%	

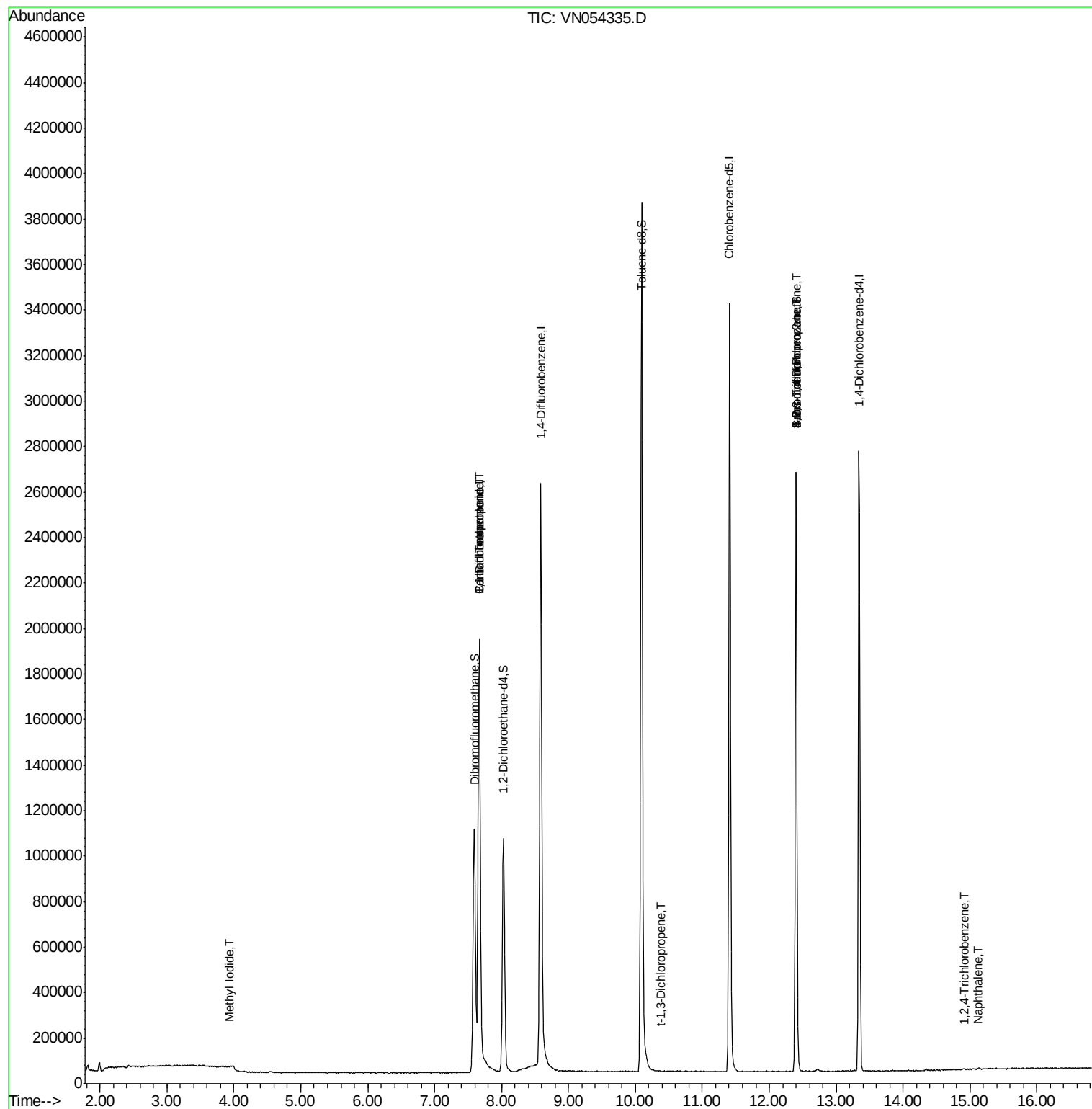
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	406	1.511	ug/l #	52
31) Cyclohexane	7.66	56	28413	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	110839	4.574	ug/l #	47
38) Carbon Tetrachloride	7.66	117	149547	5.885	ug/l #	16
53) t-1,3-Dichloropropene	10.39	75	29	1.987	ug/l #	1
71) Bromoform	12.40	173	5673	2.751	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	439080	37.432	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	439080	127.960	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.90	180	268	2.532	ug/l #	1
95) Naphthalene	15.14	128	3308	3.558	ug/l #	86

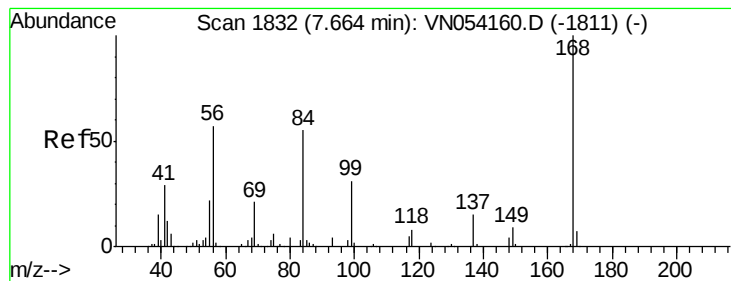
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054335.D

Acq: 16 Mar 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

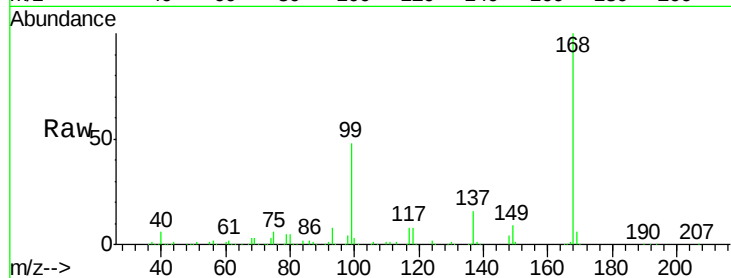
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 1893386

Ion Ratio Lower Upper

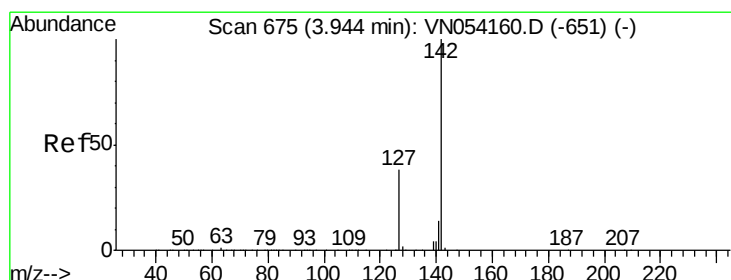
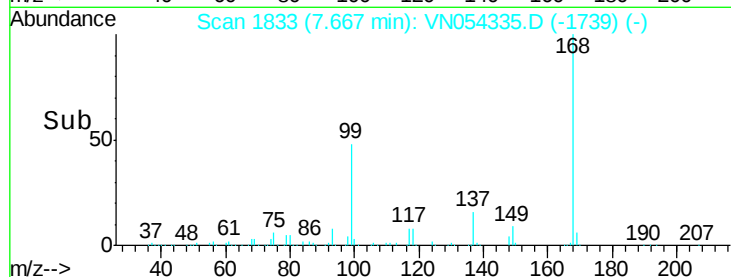
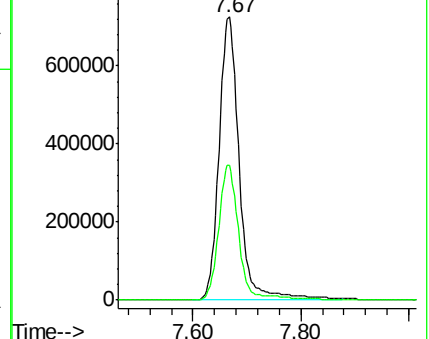
168 100

99 47.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#10

Methyl Iodide

Concen: 1.511 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054335.D

Acq: 16 Mar 2019 14:29

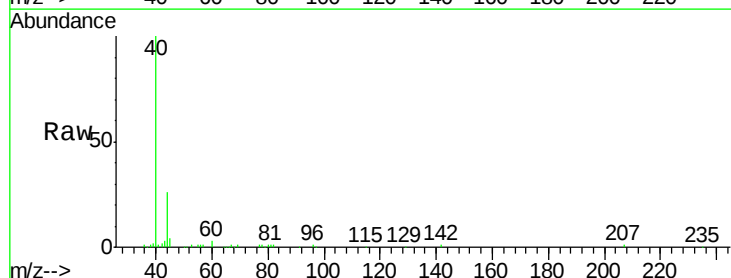
Tgt Ion:142 Resp: 406

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

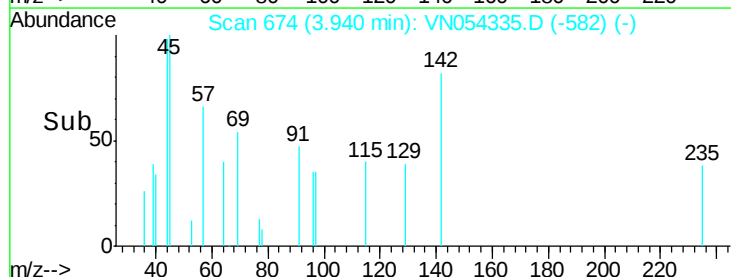
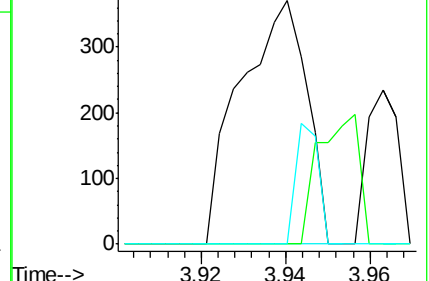
141 16.5 11.2 16.8

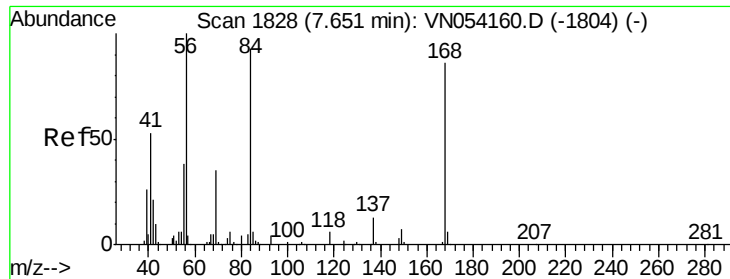


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#31

Cvclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054335.D

Acq: 16 Mar 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

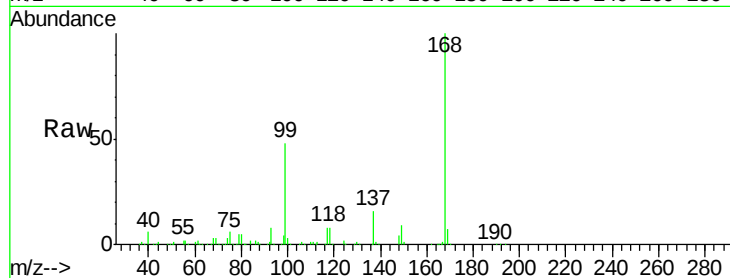
Tot Ion: 56 Resp: 28413

Ion Ratio Lower Upper

56 100

69 176.1 27.8 41.6#

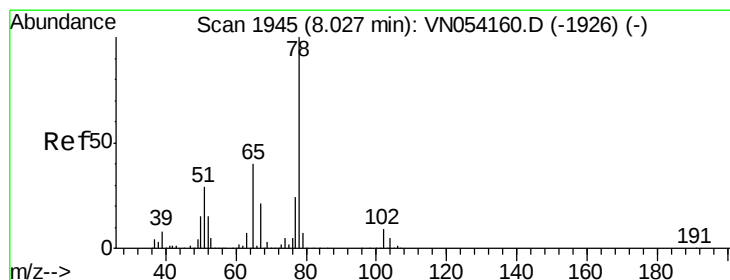
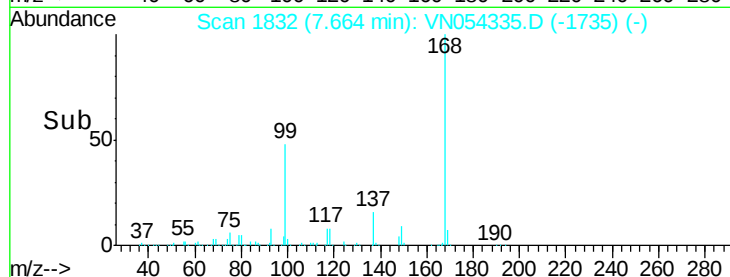
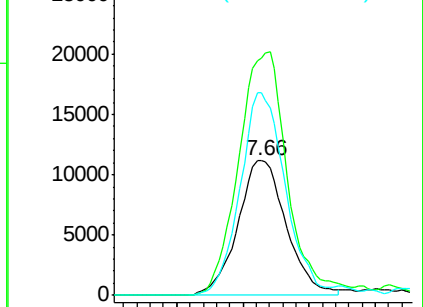
84 150.6 74.6 111.8#



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: 45.074 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054335.D

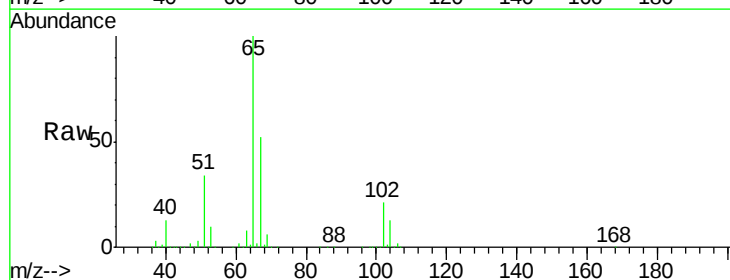
Acq: 16 Mar 2019 14:29

Tgt Ion: 65 Resp: 906349

Ion Ratio Lower Upper

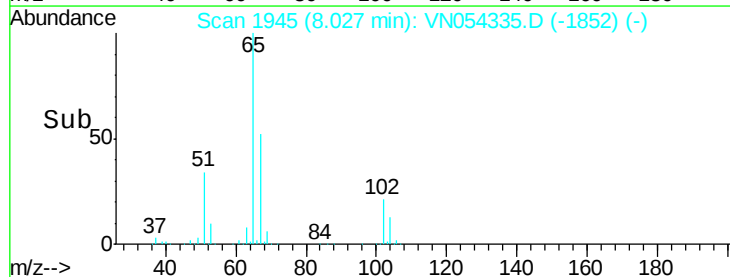
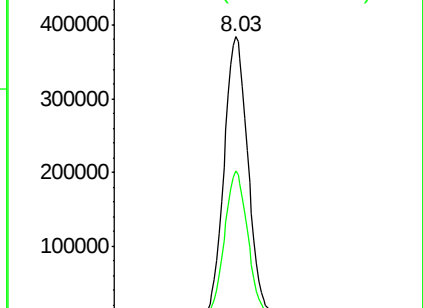
65 100

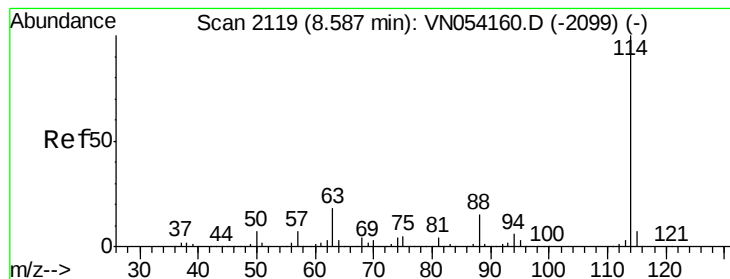
67 52.0 0.0 104.6



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: VN054335.D

Acq: 16 Mar 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

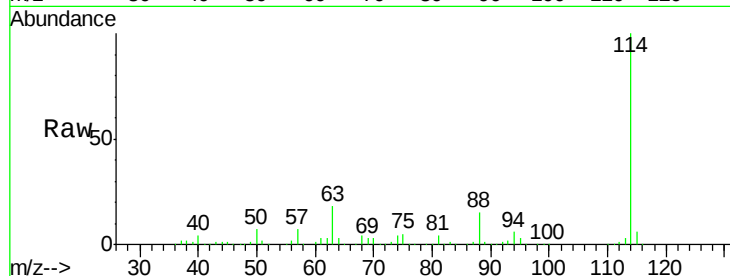
Tot Ion:114 Resp: 2631464

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.2

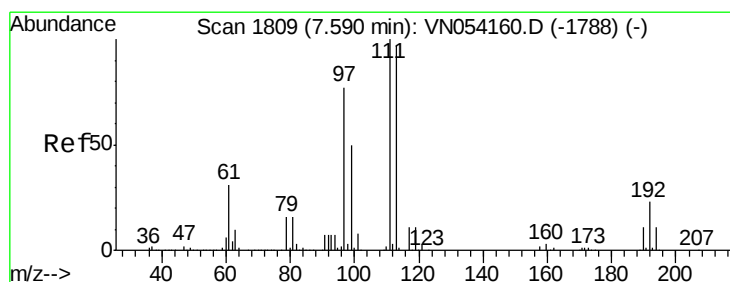
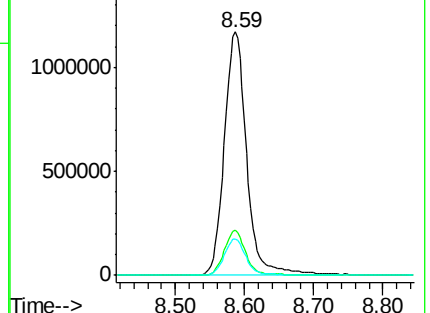
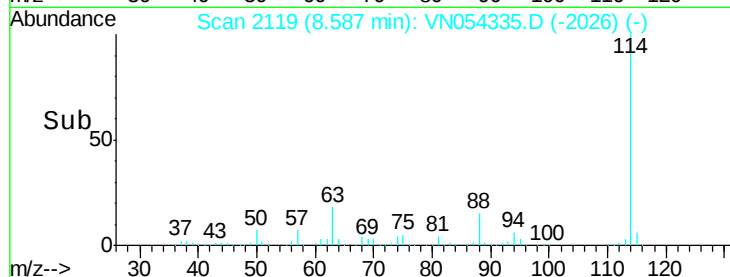
88 15.0 0.0 30.2



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: 47.678 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054335.D

Acq: 16 Mar 2019 14:29

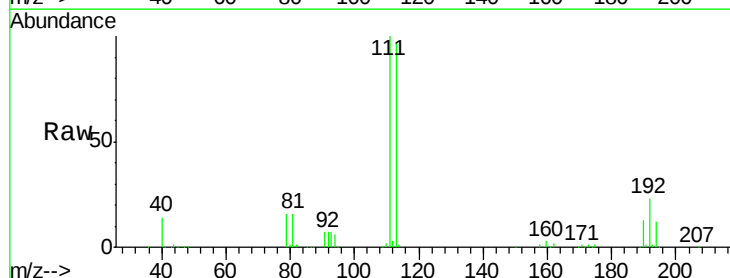
Tgt Ion:113 Resp: 809192

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

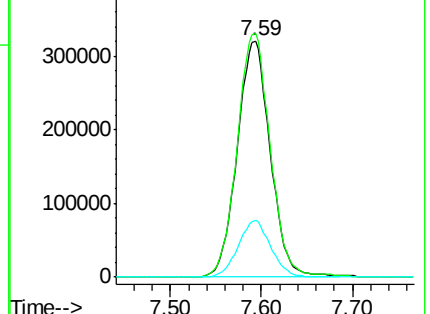
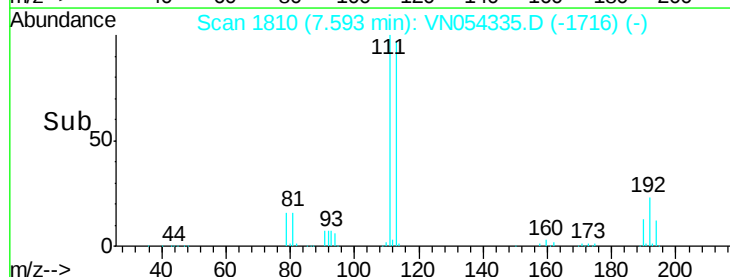
192 23.6 19.2 28.8

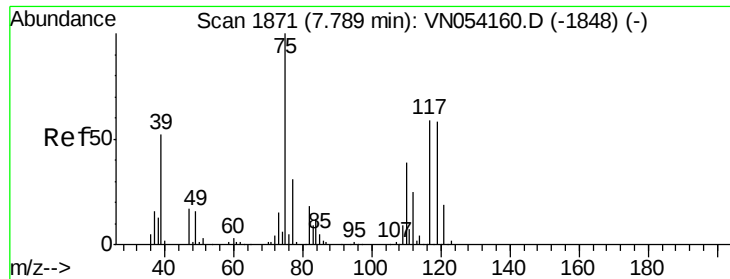


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.574 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054335.D

Acq: 16 Mar 2019 14:29

Instrument :

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ClientSampleId :

STORAGE-BLANK-WATER-REF-4

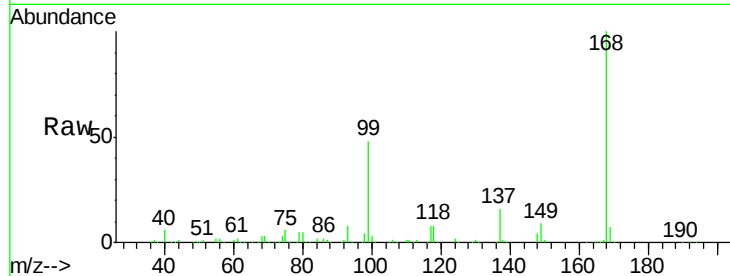
Tot Ion: 75 Resp: 110839

Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.5#

77 0.0 25.0 37.4#

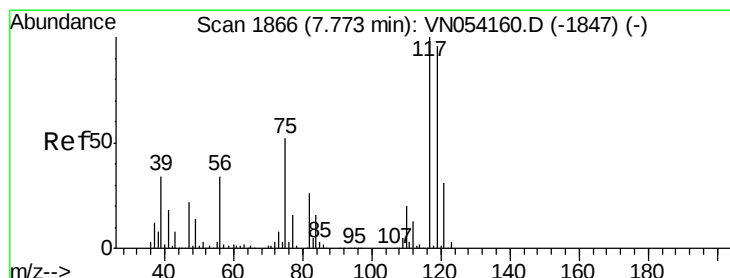
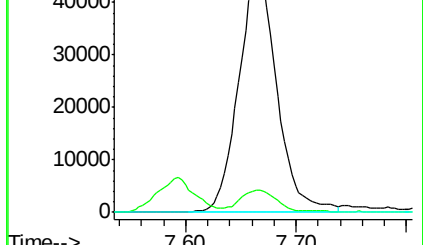
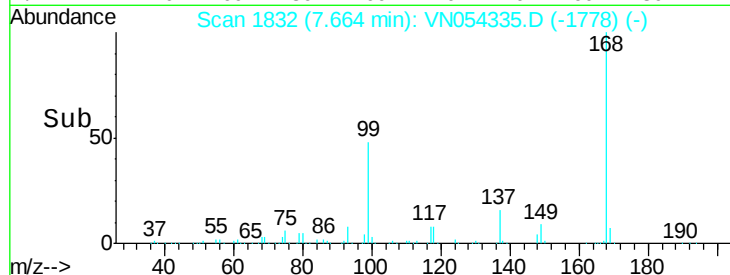


Abundance Ion 74.90 (74.60 to 75.60): VN054335.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN054335.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN054335.D (-1778) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.885 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054335.D

Acq: 16 Mar 2019 14:29

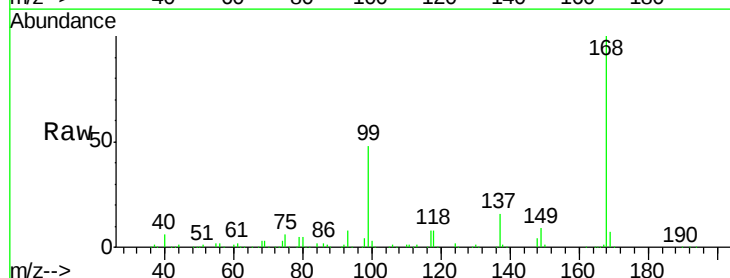
Tgt Ion: 117 Resp: 149547

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

121 0.0 24.6 36.8#

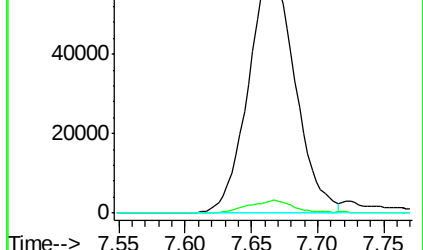
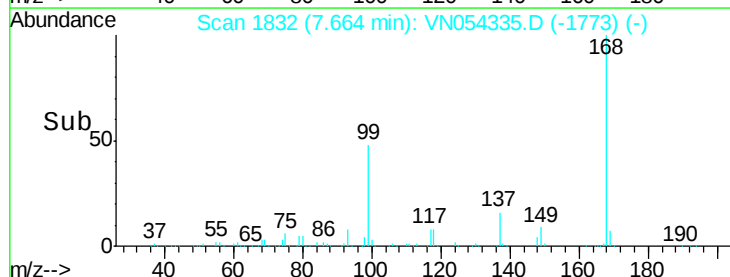


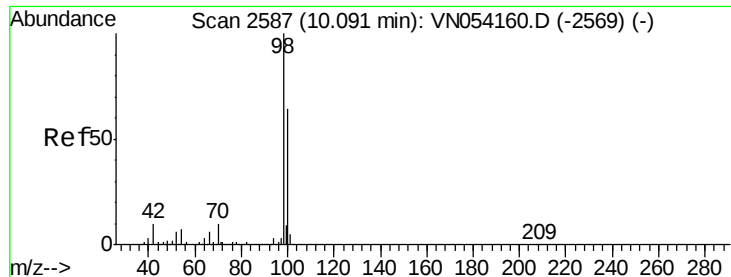
Abundance Ion 116.80 (116.50 to 117.50): VN054335.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN054335.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN054335.D (-1773) (-)

Time-->





#50

Toluene-d8

Concen: 48.723 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054335.D

Acq: 16 Mar 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

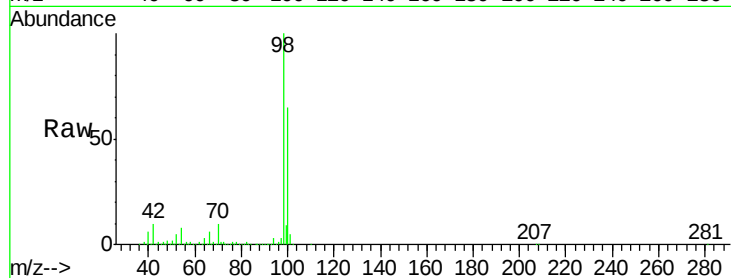
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 3053948

Ion Ratio Lower Upper

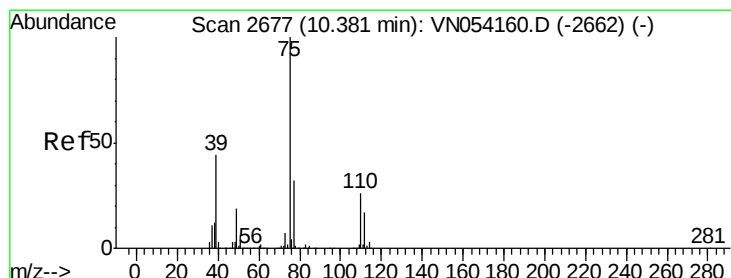
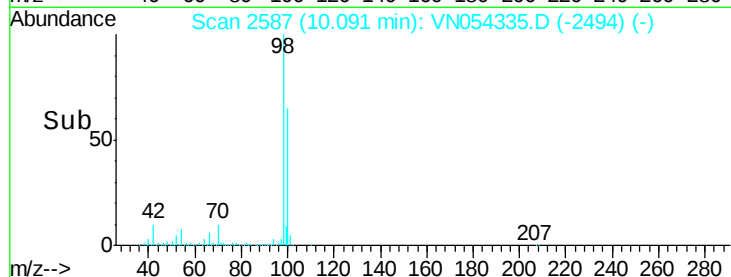
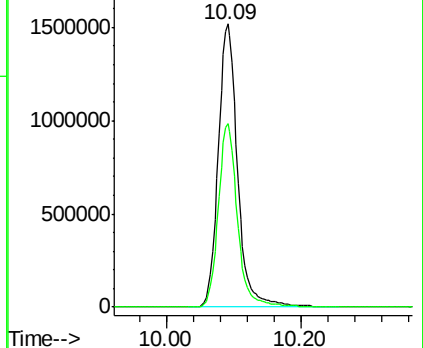
98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054335.D (-2584) (-)

Ion 100.00 (99.70 to 100.70): VN054335.D (-2584) (-)



#53

t-1,3-Dichloropropene

Concen: 1.987 ug/l

RT: 10.39 min Scan# 2680

Delta R.T. 0.01 min

Lab File: VN054335.D

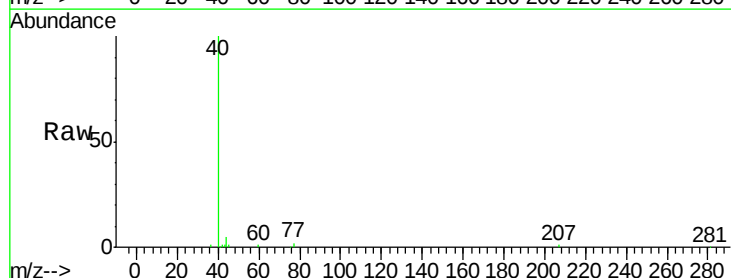
Acq: 16 Mar 2019 14:29

Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

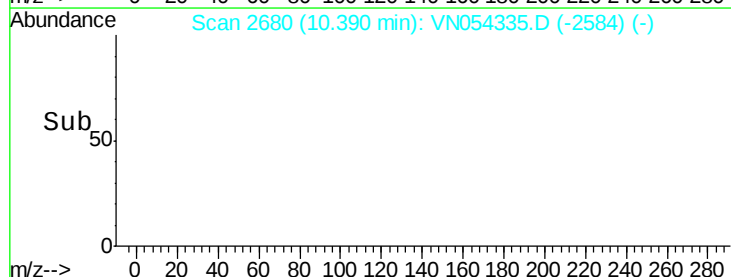
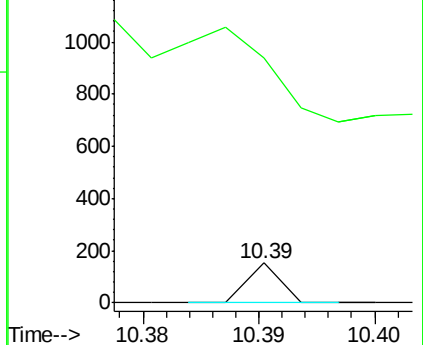
75 100

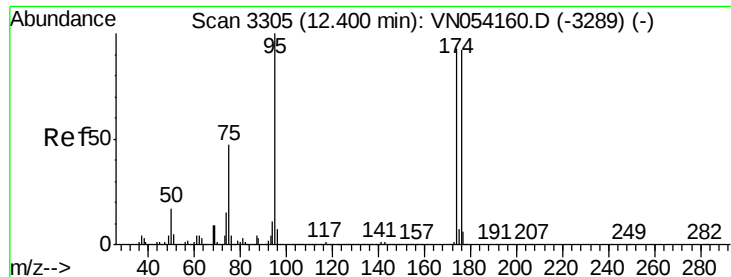
77 159.9 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054335.D (-2584) (-)

Ion 76.90 (76.60 to 77.60): VN054335.D (-2584) (-)





#62

4-Bromofluorobenzene

Concen: 41.342 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054335.D

Acq: 16 Mar 2019 14:29

Instrument :

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ClientSampleId :

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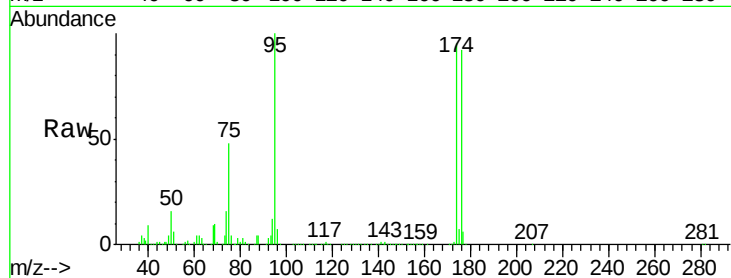
Tot Ion: 95 Resp: 906700

Ion Ratio Lower Upper

95 100

174 96.6 0.0 191.0

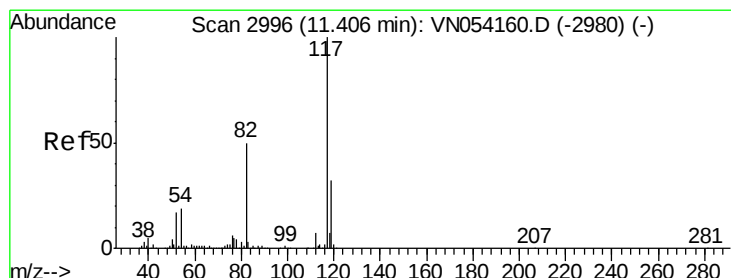
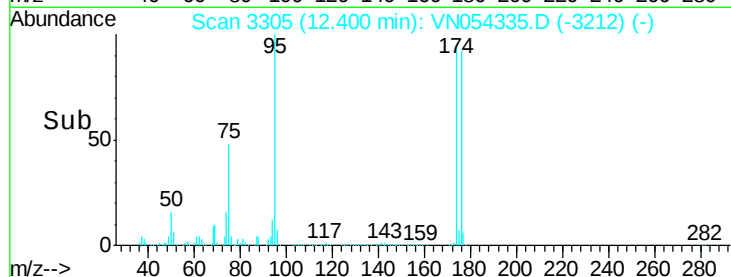
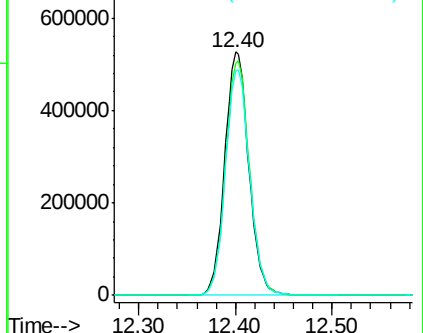
176 93.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054335.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054335.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054335.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054335.D

Acq: 16 Mar 2019 14:29

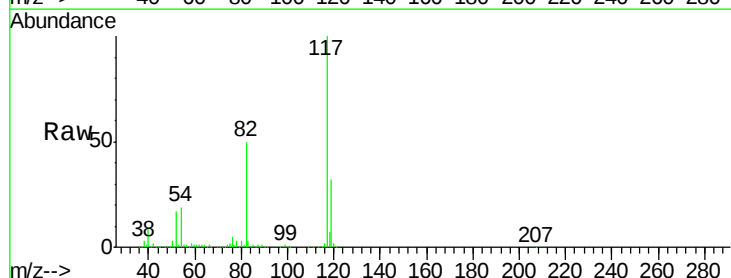
Tgt Ion: 117 Resp: 2221372

Ion Ratio Lower Upper

117 100

82 50.4 40.0 60.0

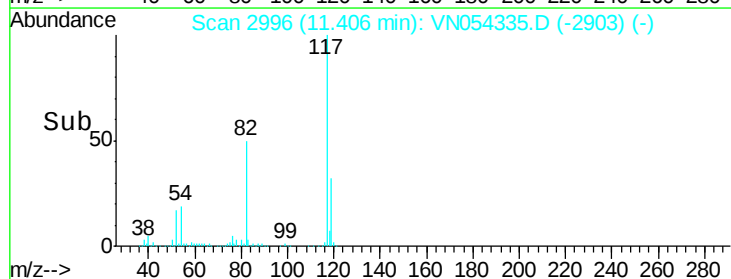
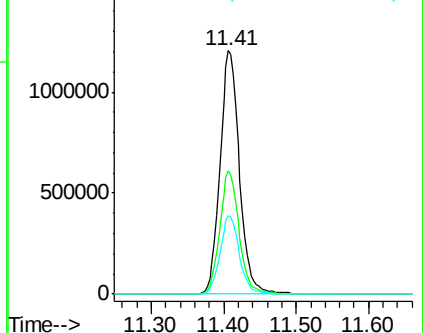
119 32.2 25.8 38.6

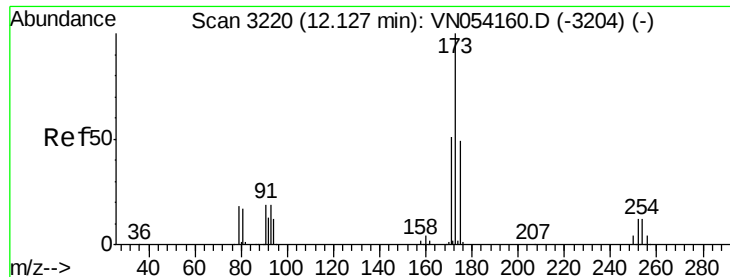


Abundance Ion 116.90 (116.60 to 117.60): VN054335.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054335.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054335.D (-2903) (-)





#71

Bromoform

Concen: 2.751 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054335.D

Acq: 16 Mar 2019 14:29

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

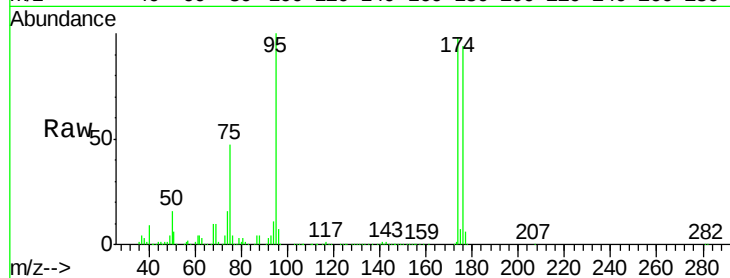
Tot Ion:173 Resp: 5673

Ion Ratio Lower Upper

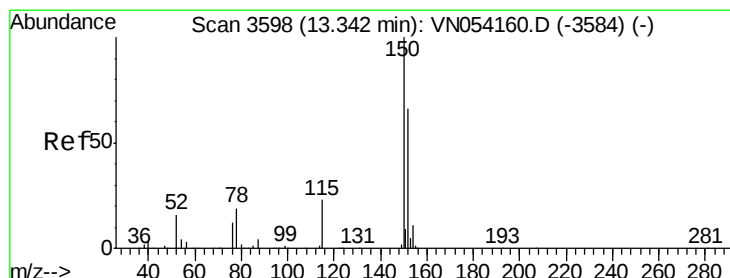
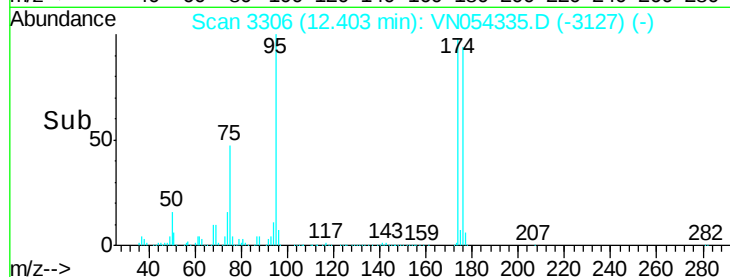
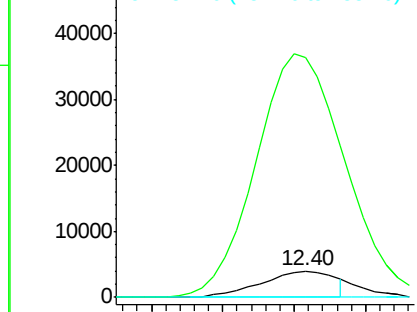
173 100

175 962.1 24.4 73.2#

254 0.0 0.1 0.1#



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: VN054335.D

Acq: 16 Mar 2019 14:29

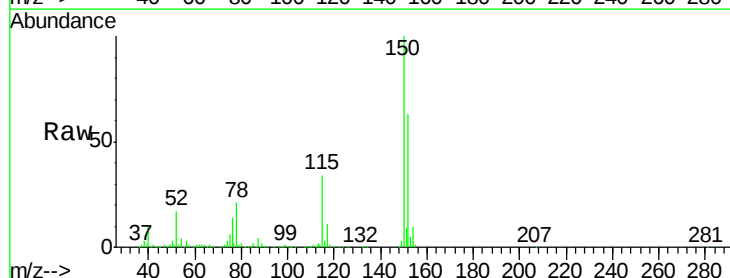
Tgt Ion:152 Resp: 797665

Ion Ratio Lower Upper

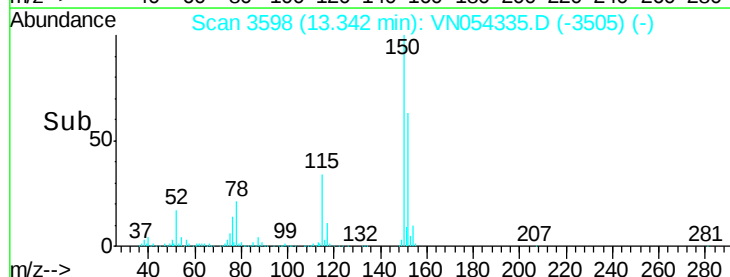
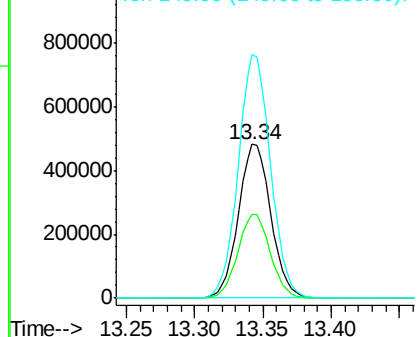
152 100

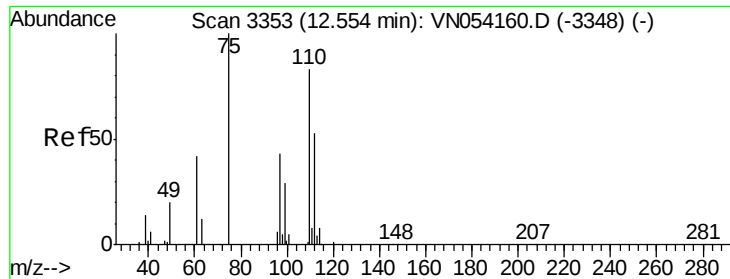
115 54.4 27.2 81.6

150 157.4 0.0 349.2



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

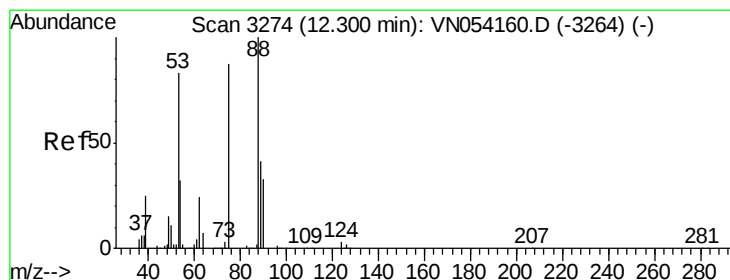
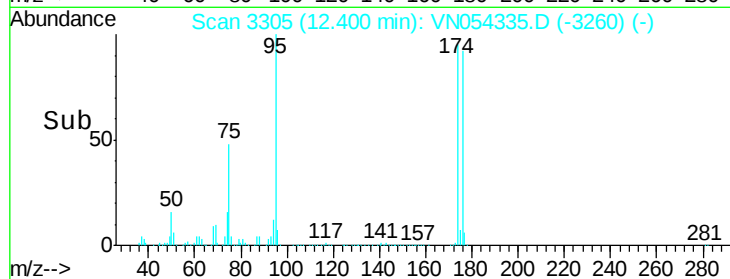
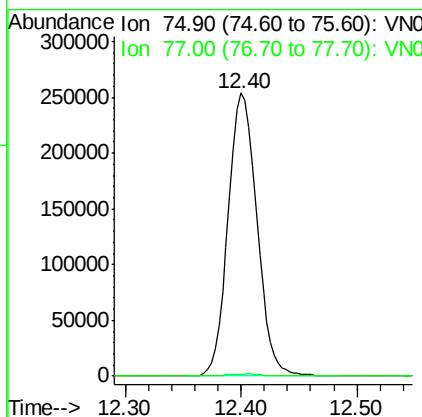
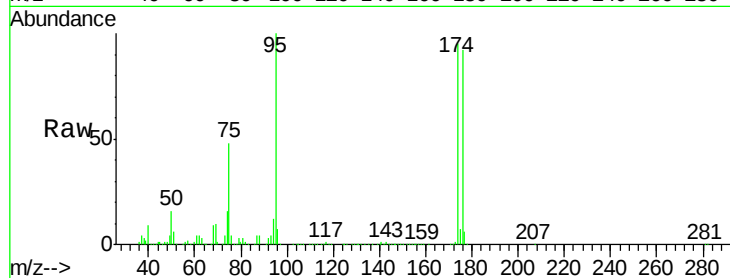




#76
 1,2,3-Trichloropropane
 Concen: 37.432 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054335.D
 Acq: 16 Mar 2019 14:29

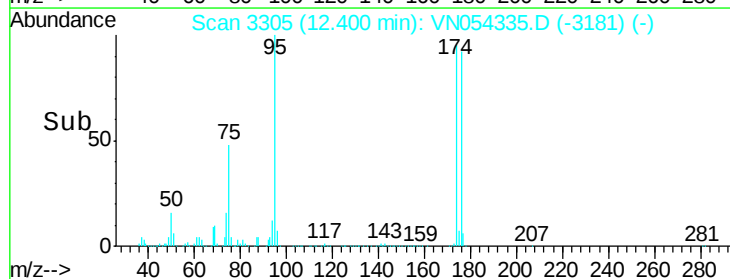
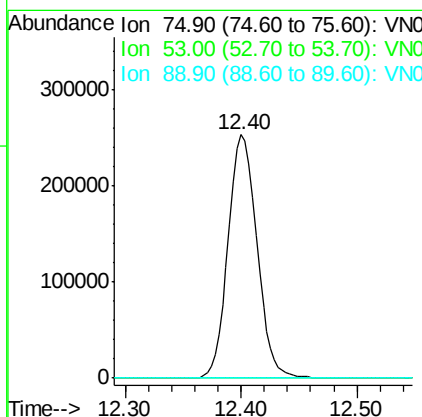
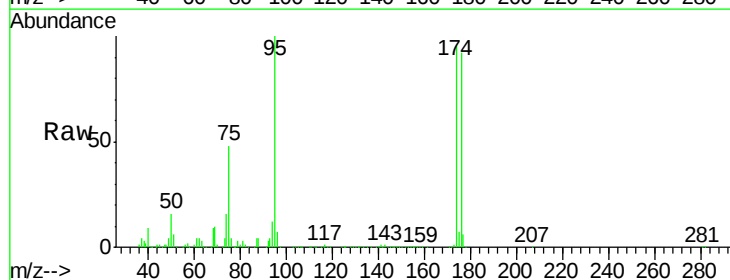
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

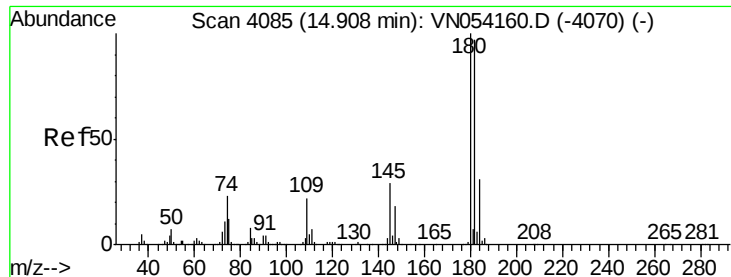
Tot Ion: 75 Resp: 439080
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.960 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054335.D
 Acq: 16 Mar 2019 14:29

Tgt Ion: 75 Resp: 439080
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#

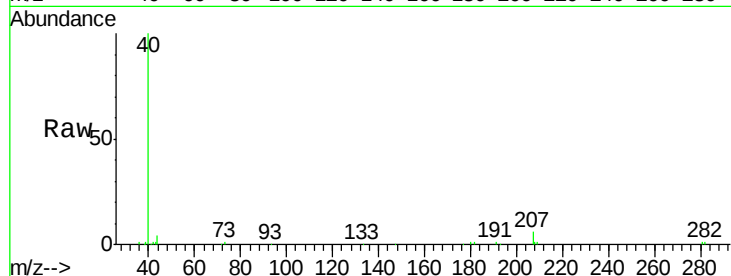




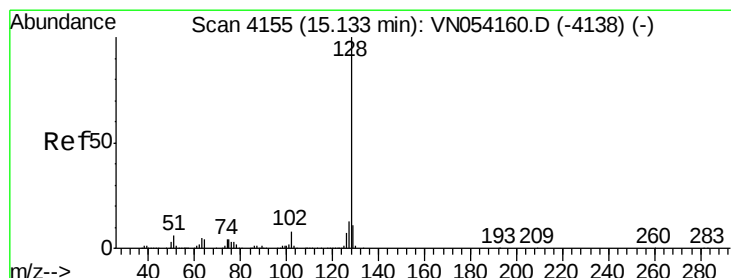
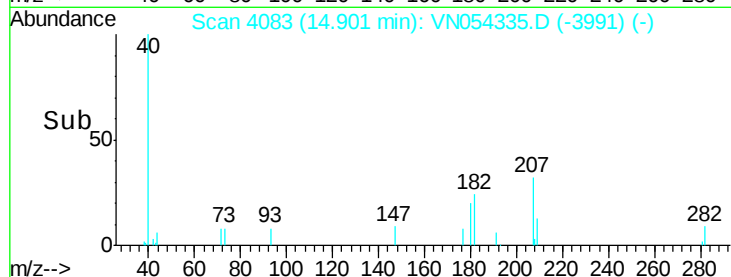
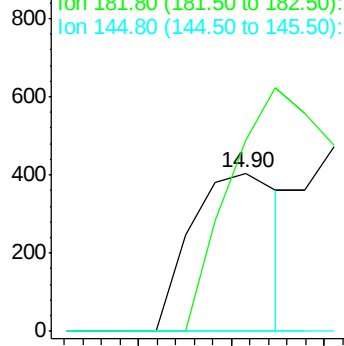
#93
 1,2,4-Trichlorobenzene
 Concen: 2.532 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.01 min
 Lab File: VN054335.D
 Acq: 16 Mar 2019 14:29

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Tot Ion	Ratio	Lower	Upper
180	100		
182	314.9	48.0	144.2#
145	0.0	14.2	42.8#

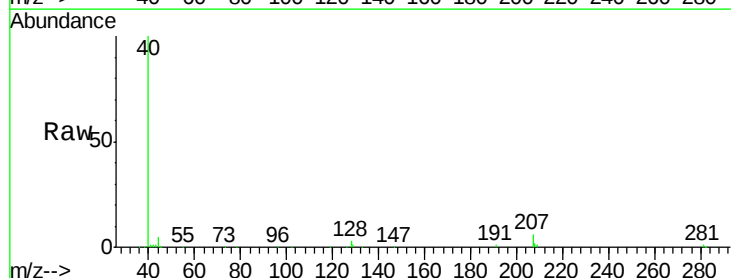


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.558 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN054335.D
 Acq: 16 Mar 2019 14:29

Tgt Ion	Ratio	Lower	Upper
128	100		
127	3.0	10.1	15.1#
129	10.3	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

