

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054334.D
 Acq On : 16 Mar 2019 14:01
 Operator : JC/SP
 Sample : K1962-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 18 04:49:46 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	7.66	168	1870276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2637612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2200122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	787715	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	892640	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	
35) Dibromofluoromethane	7.59	113	802332	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	10.09	98	3043761	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	12.40	95	902826	41.07	ug/l	0.00
Spiked Amount			Recovery	=	82.14%	

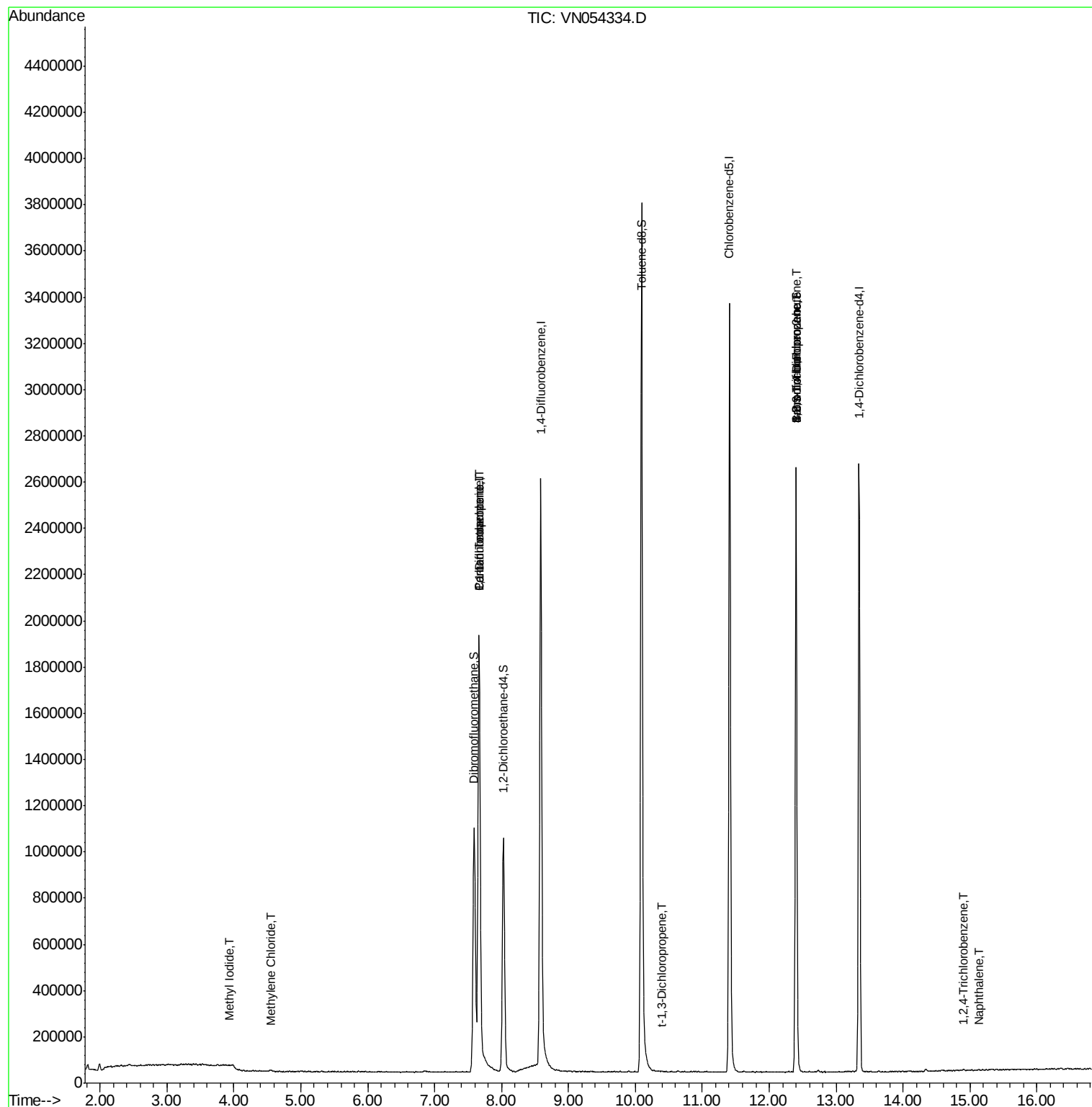
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.93	142	323	1.508	ug/l #	56
20) Methylene Chloride	4.54	84	3808	0.204	ug/l #	74
31) Cyclohexane	7.66	56	28525	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	108158	4.453	ug/l #	48
38) Carbon Tetrachloride	7.66	117	155797	6.116	ug/l #	16
53) t-1,3-Dichloropropene	10.39	75	124	1.990	ug/l #	1
71) Bromoform	12.40	173	5362	2.733	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	430990	37.207	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	430990	127.189	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	1172	2.584	ug/l	85
95) Naphthalene	15.14	128	3687	3.569	ug/l #	80

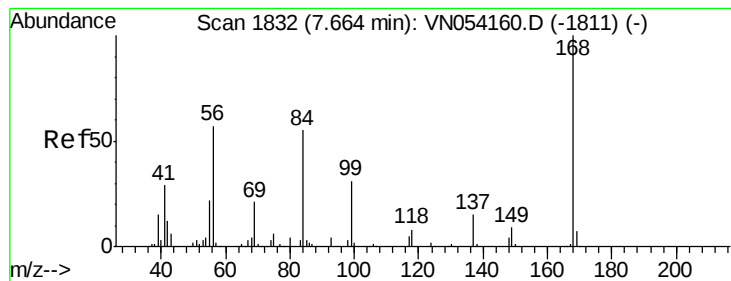
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054334.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

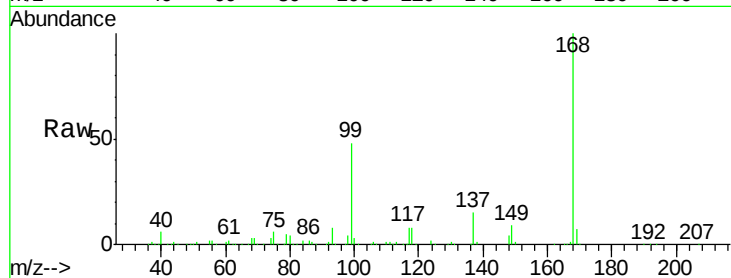
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 1870276

Ion Ratio Lower Upper

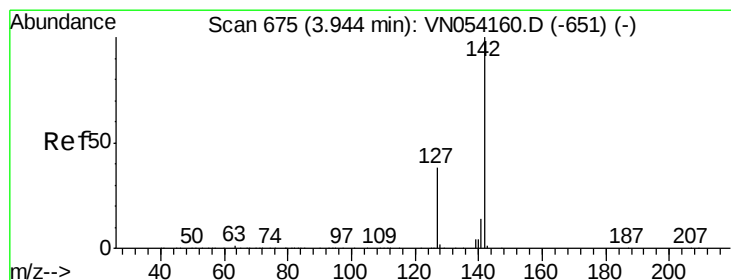
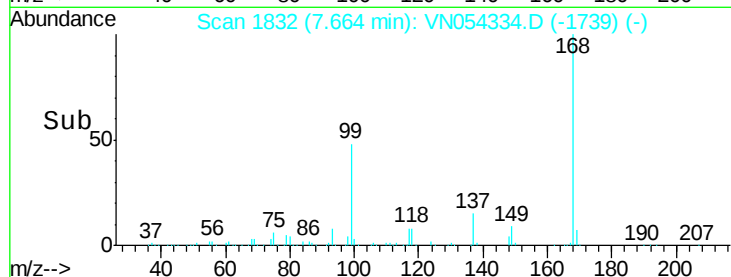
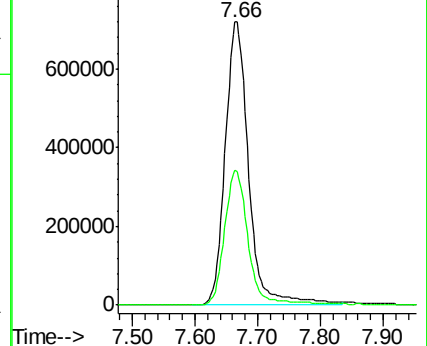
168 100

99 47.6 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: 1.508 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN054334.D

Acq: 16 Mar 2019 14:01

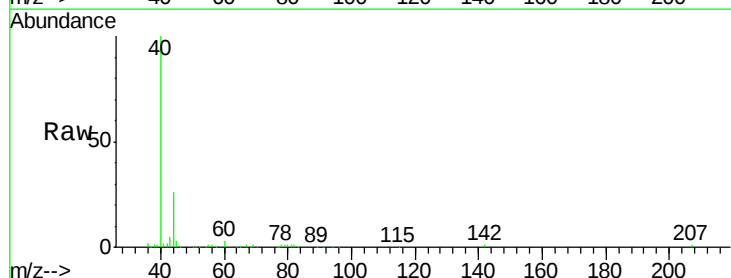
Tgt Ion:142 Resp: 323

Ion Ratio Lower Upper

142 100

127 9.0 30.3 45.5#

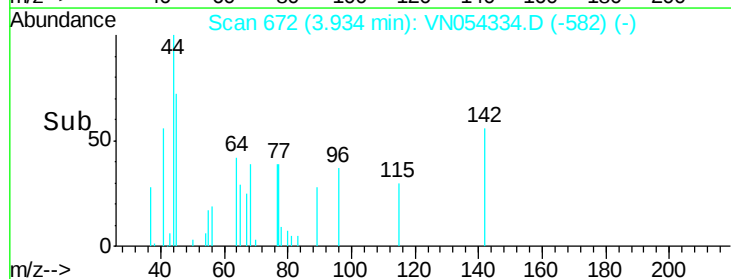
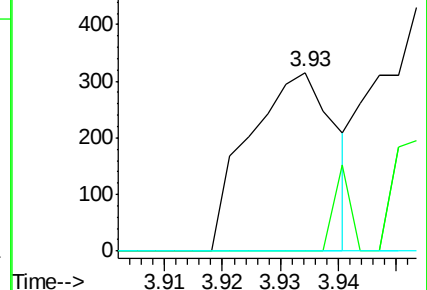
141 0.0 11.2 16.8#

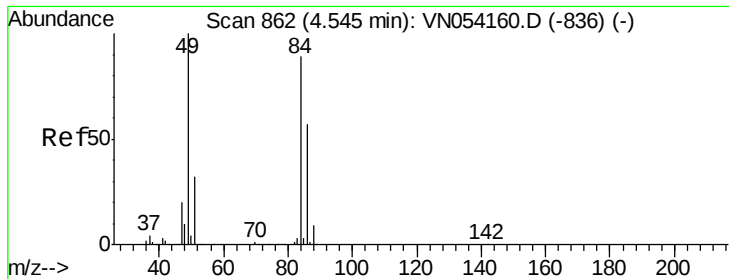


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

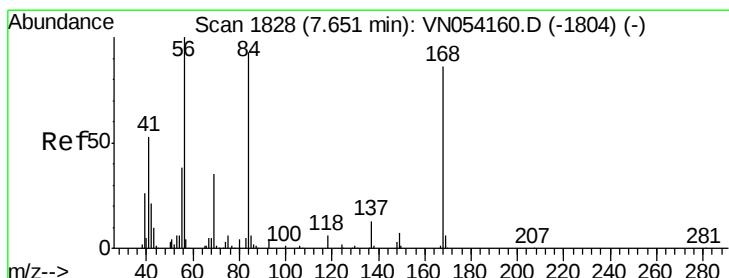
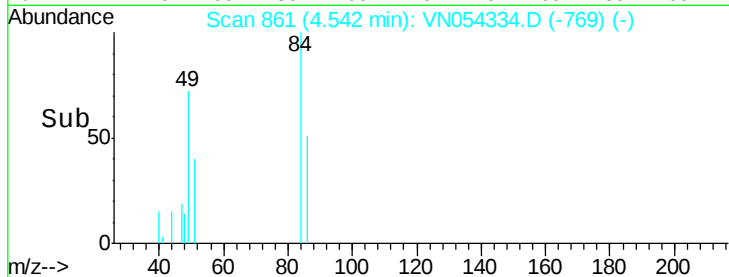
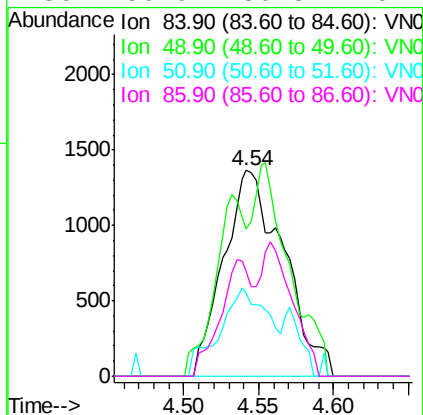
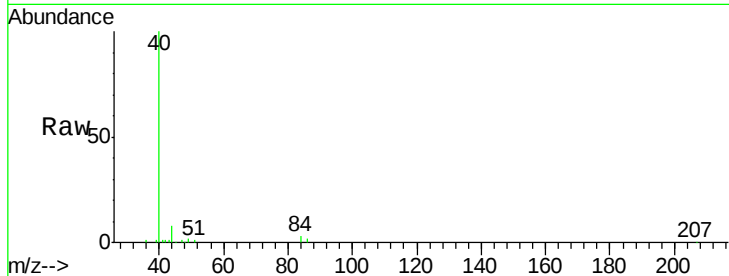




#20
Methvlene Chloride
Concen: 0.204 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054334.D
Acq: 16 Mar 2019 14:01

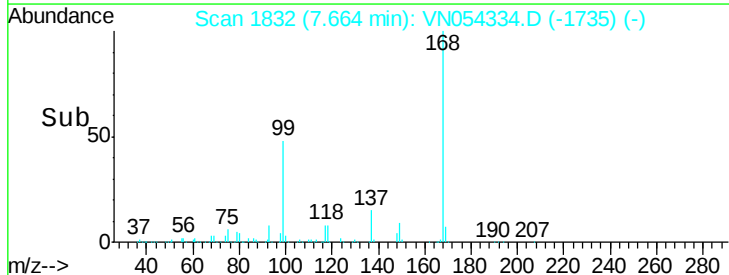
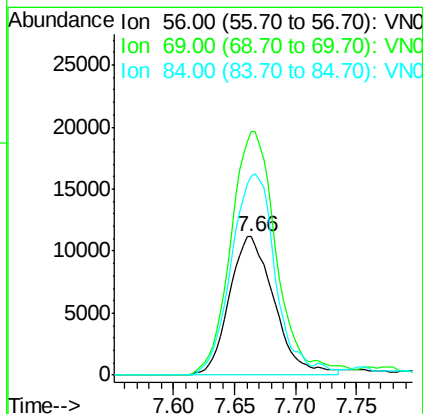
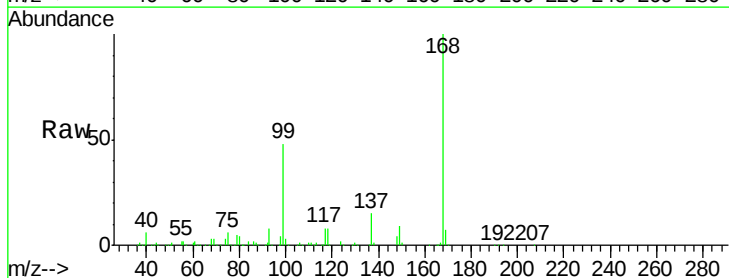
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

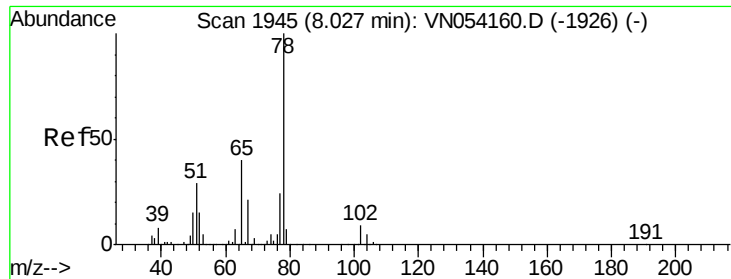
Tot Ion: 84 Resp: 3808
Ion Ratio Lower Upper
84 100
49 71.5 89.7 134.5#
51 40.1 28.2 42.4
86 50.9 50.8 76.2



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054334.D
Acq: 16 Mar 2019 14:01

Tgt Ion: 56 Resp: 28525
Ion Ratio Lower Upper
56 100
69 175.7 27.8 41.6#
84 143.8 74.6 111.8#

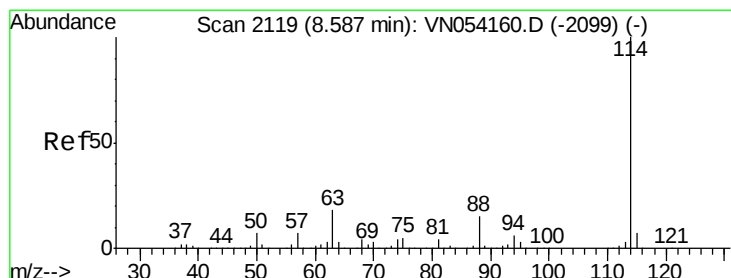
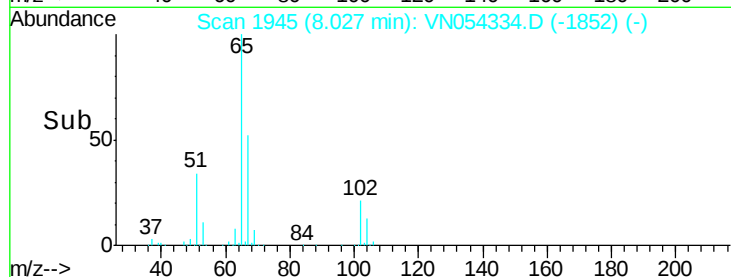
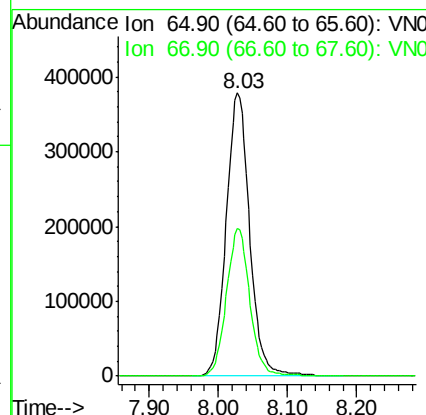
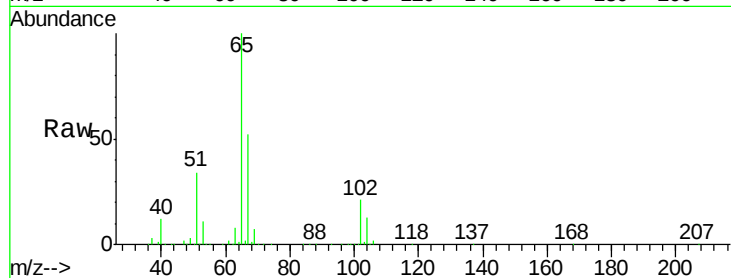




#33
 1,2-Dichloroethane-d4
 Concen: 44.941 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054334.D
 Acq: 16 Mar 2019 14:01

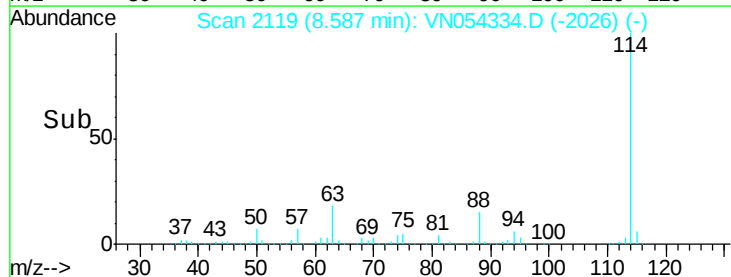
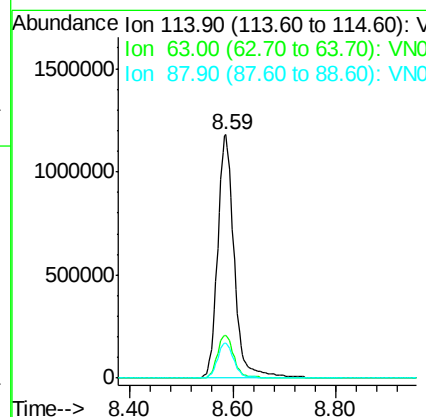
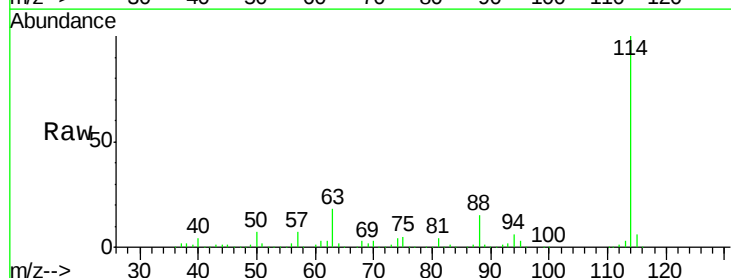
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

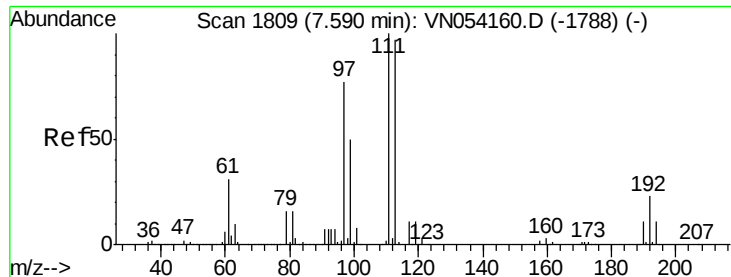
Tot Ion: 65 Resp: 892640
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054334.D
 Acq: 16 Mar 2019 14:01

Tgt Ion: 114 Resp: 2637612
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 14.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 47.164 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054334.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

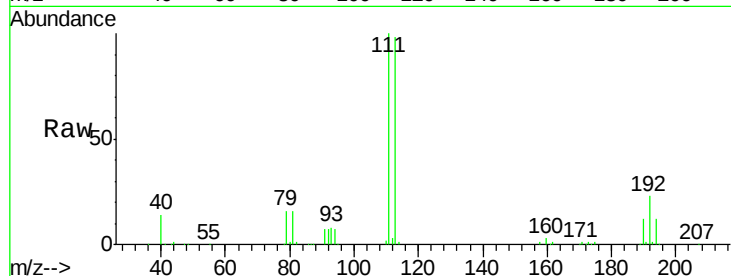
Tot Ion:113 Resp: 802332

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

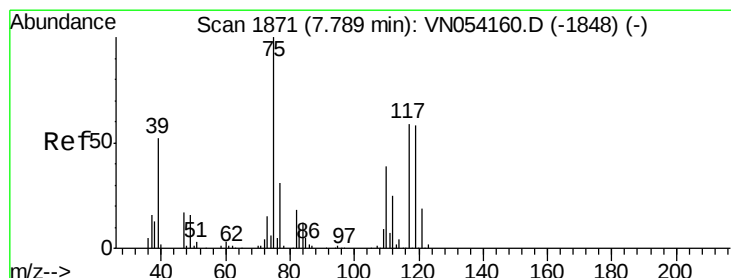
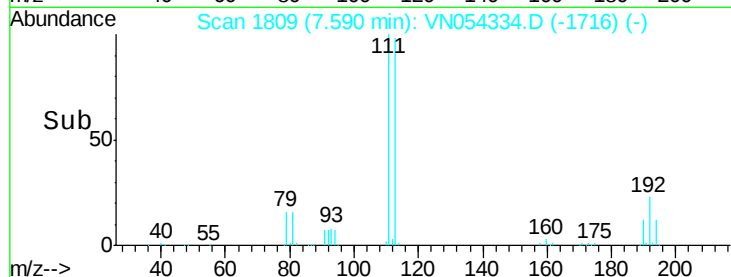
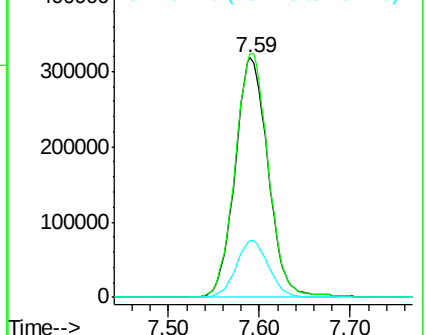
192 23.6 19.2 28.8



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: 4.453 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054334.D

Acq: 16 Mar 2019 14:01

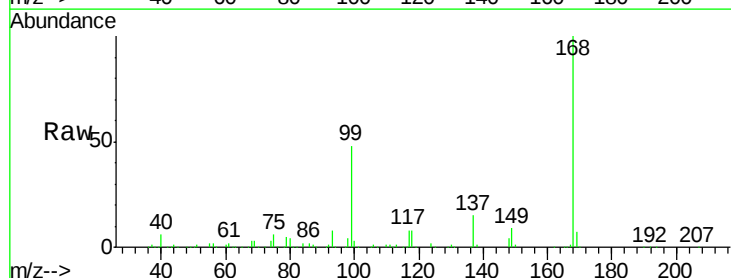
Tgt Ion: 75 Resp: 108158

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.5#

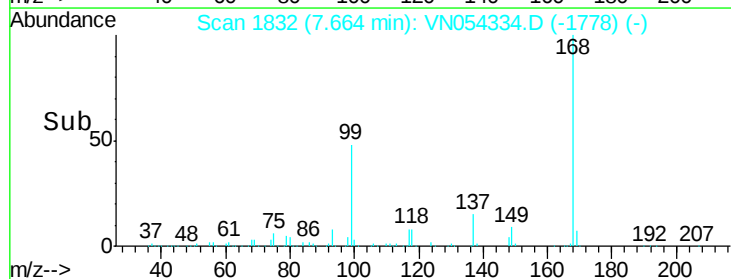
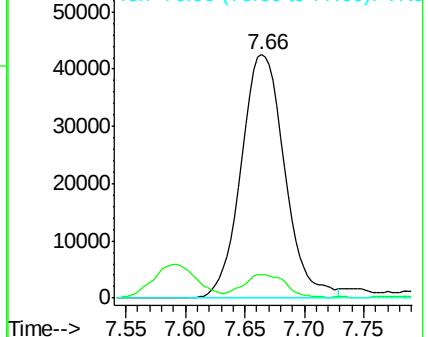
77 0.0 25.0 37.4#

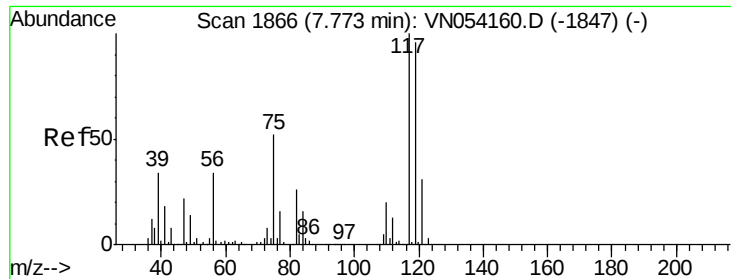


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

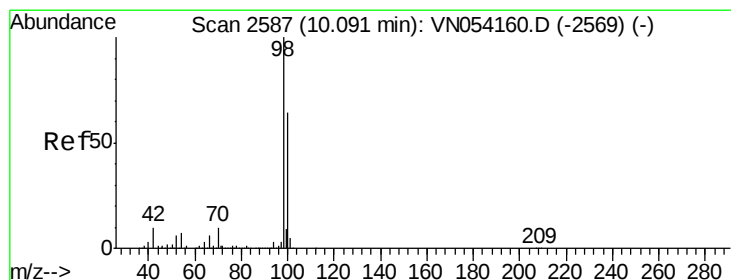
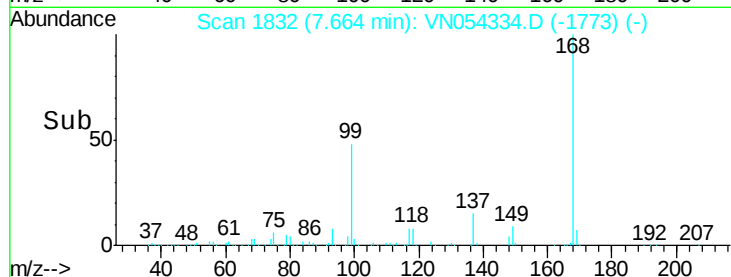
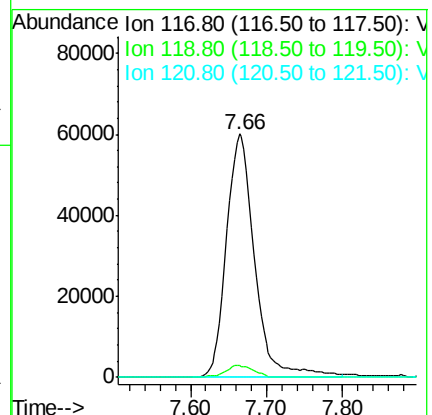
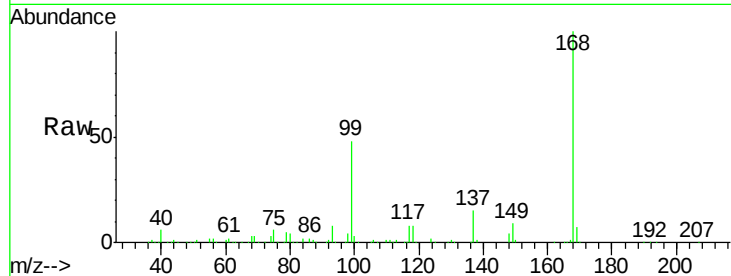




#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054334.D
Acq: 16 Mar 2019 14:01

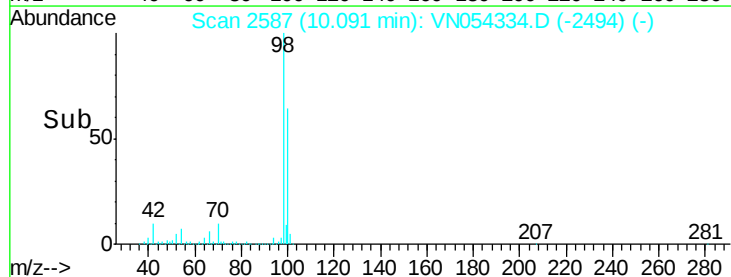
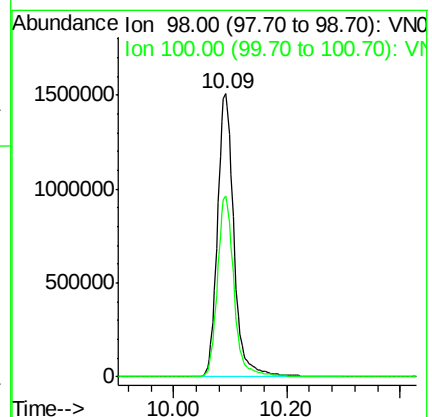
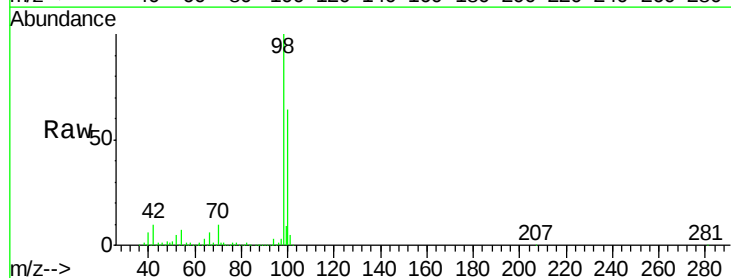
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

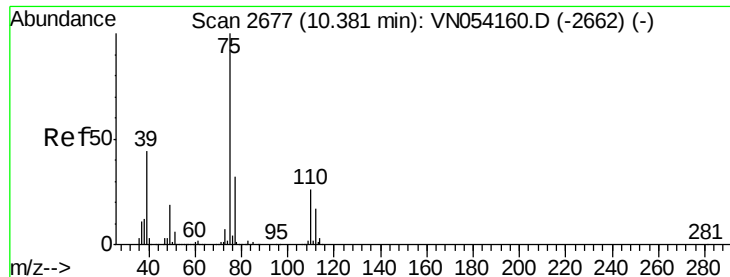
Tot Ion:117 Resp: 155797
Ion Ratio Lower Upper
117 100
119 4.7 76.3 114.5#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 48.448 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054334.D
Acq: 16 Mar 2019 14:01

Tgt Ion: 98 Resp: 3043761
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8





#53

t-1,3-Dichloropropene

Concen: 1.990 ug/l

RT: 10.39 min Scan# 2681

Delta R.T. 0.01 min

Lab File: VN054334.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

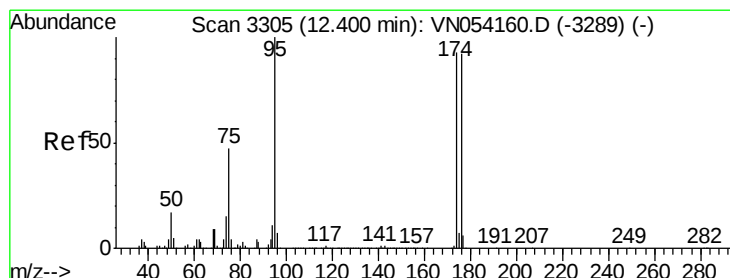
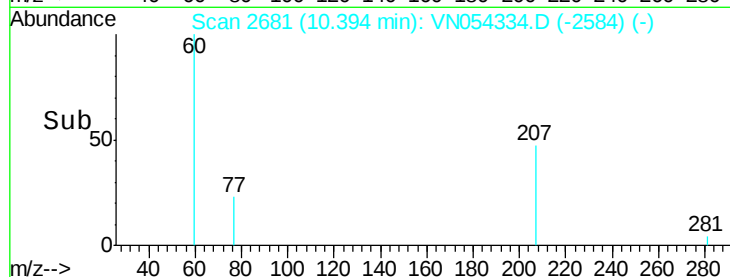
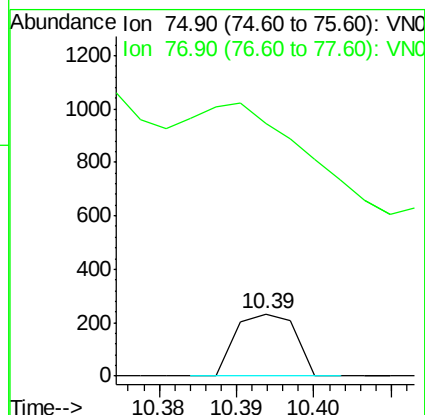
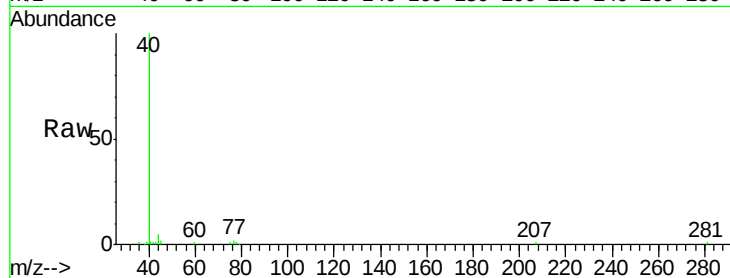
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 124

Ion Ratio Lower Upper

75 100

77 90.1 25.8 38.8#



#62

4-Bromofluorobenzene

Concen: 41.070 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054334.D

Acq: 16 Mar 2019 14:01

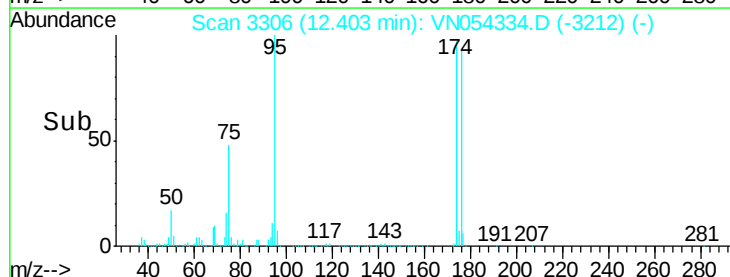
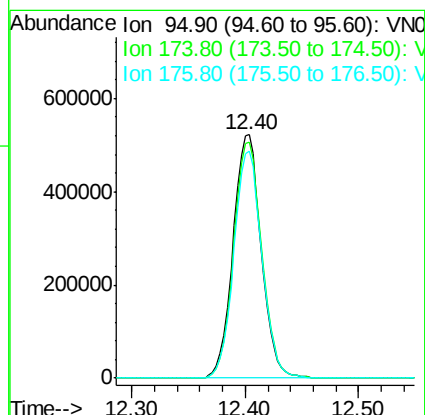
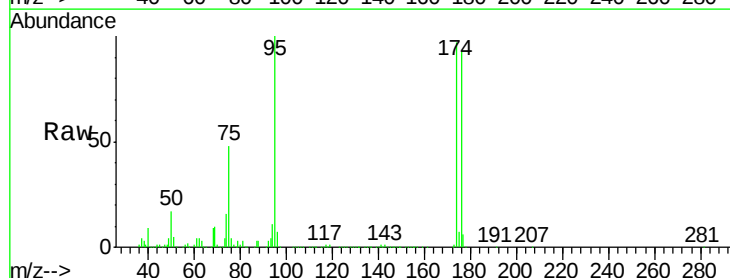
Tgt Ion: 95 Resp: 902826

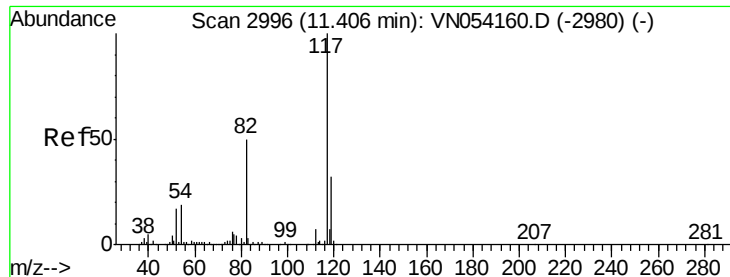
Ion Ratio Lower Upper

95 100

174 97.5 0.0 191.0

176 93.0 0.0 187.4

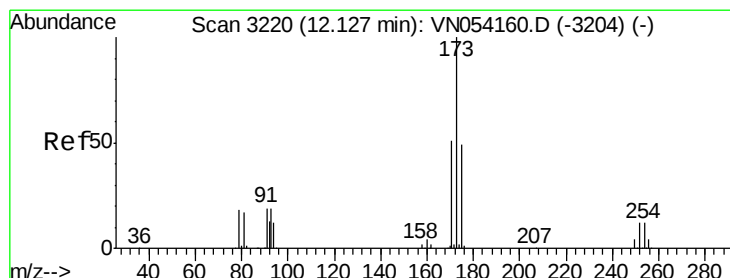
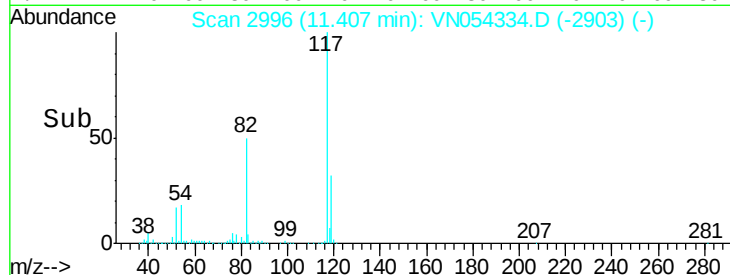
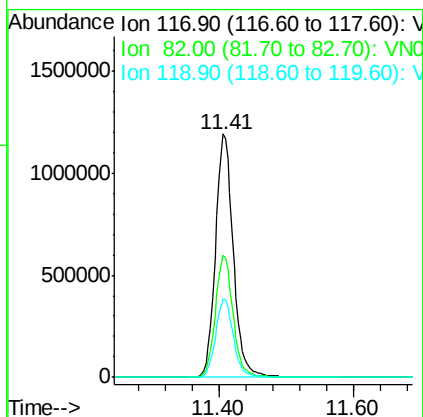
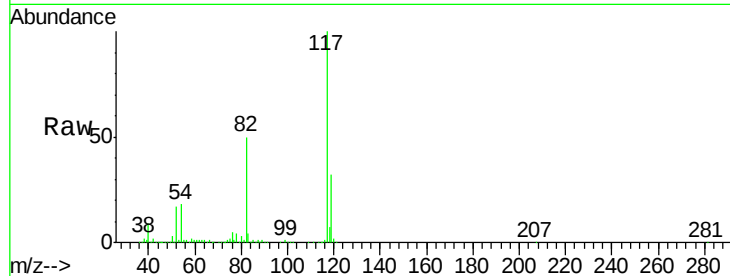




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054334.D
Acq: 16 Mar 2019 14:01

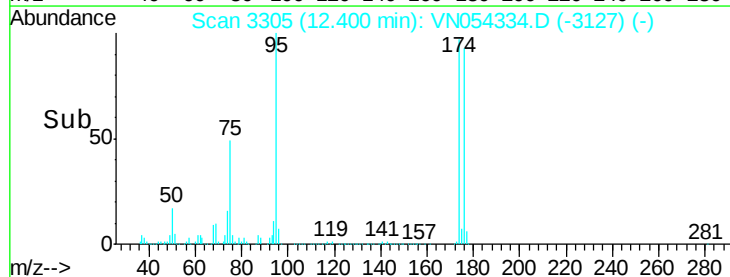
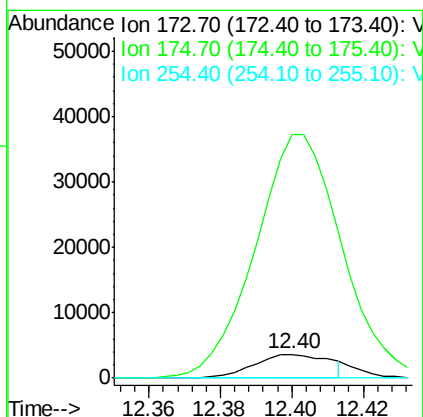
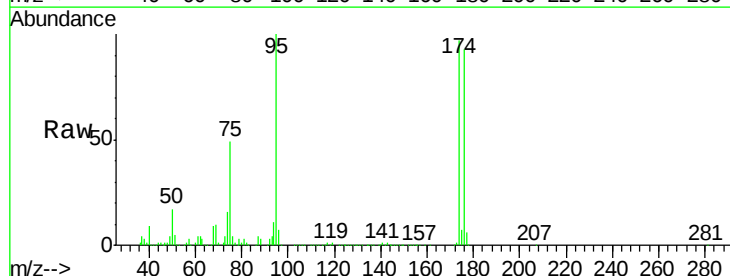
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MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

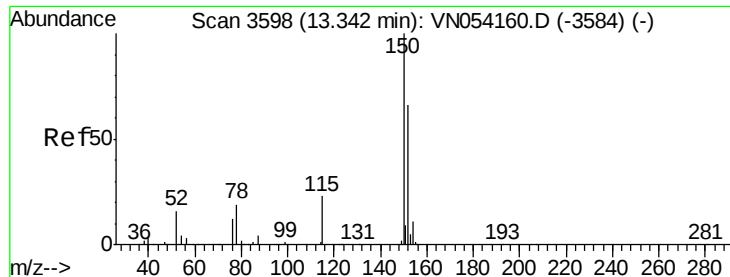
Tot Ion:117 Resp: 2200122
Ion Ratio Lower Upper
117 100
82 50.1 40.0 60.0
119 32.2 25.8 38.6



#71
Bromoform
Concen: 2.733 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054334.D
Acq: 16 Mar 2019 14:01

Tgt Ion:173 Resp: 5362
Ion Ratio Lower Upper
173 100
175 1009.9 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054334.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

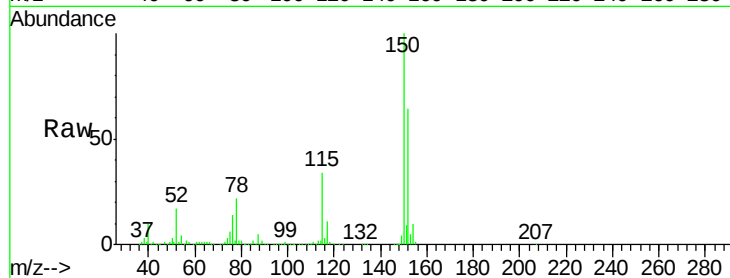
Tot Ion:152 Resp: 787715

Ion Ratio Lower Upper

152 100

115 55.0 27.2 81.6

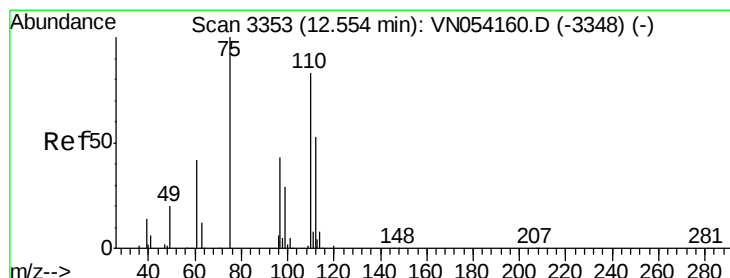
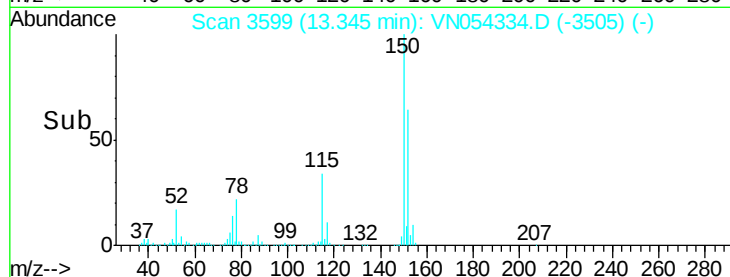
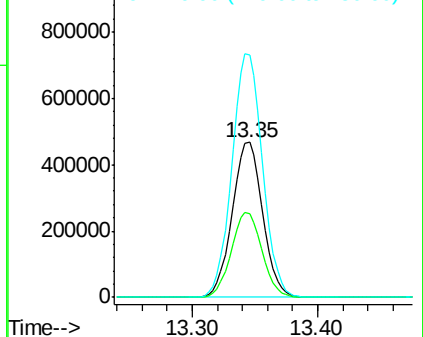
150 157.7 0.0 349.2



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: 37.207 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054334.D

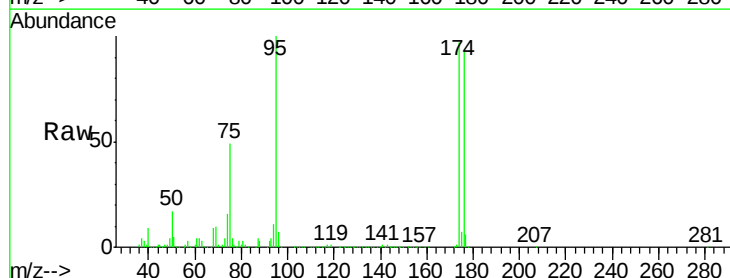
Acq: 16 Mar 2019 14:01

Tgt Ion: 75 Resp: 430990

Ion Ratio Lower Upper

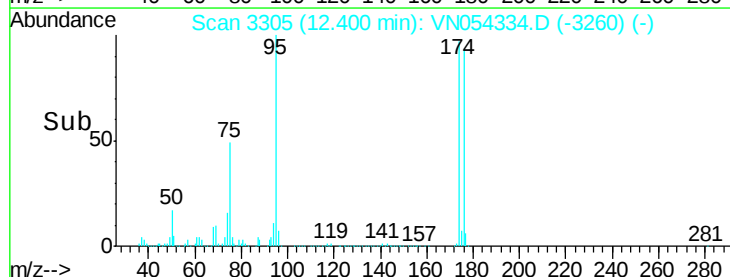
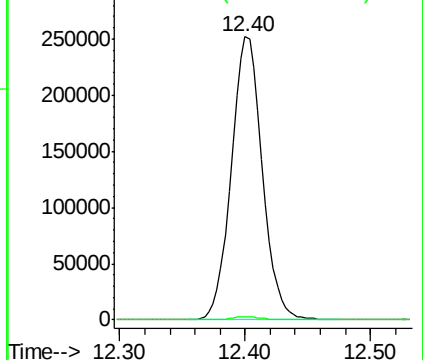
75 100

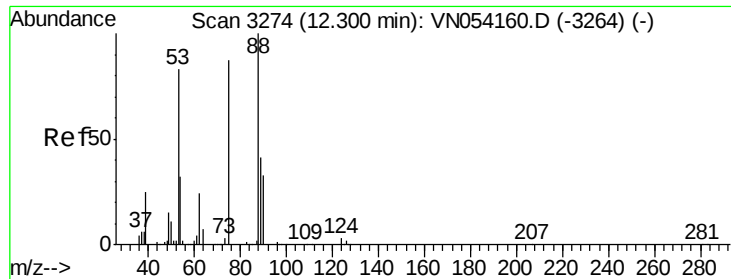
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 127.189 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054334.D

Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

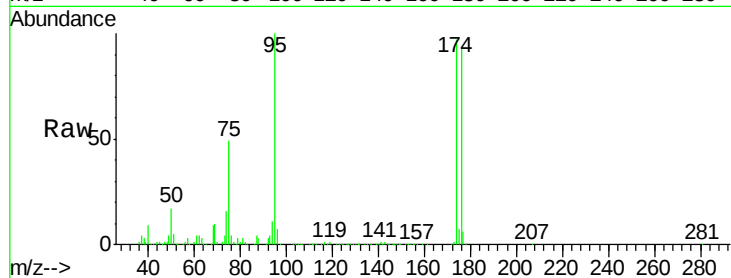
Tot Ion: 75 Resp: 430990

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

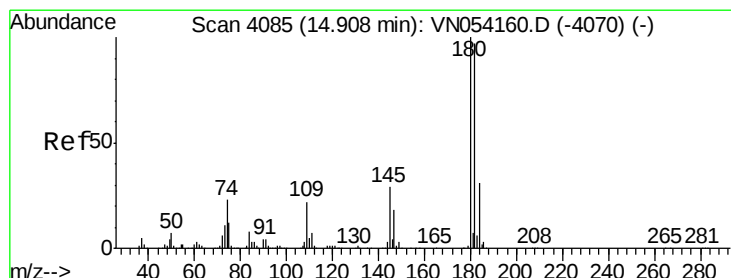
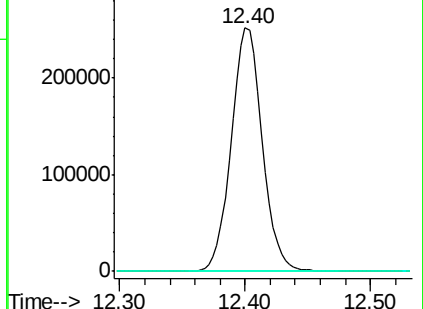
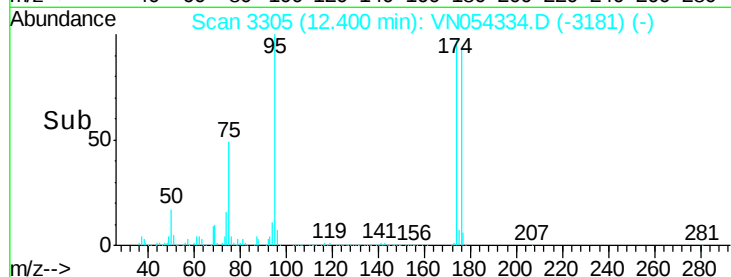


Abundance Ion 74.90 (74.60 to 75.60): VN054334.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN054334.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN054334.D (-3181) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 2.584 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054334.D

Acq: 16 Mar 2019 14:01

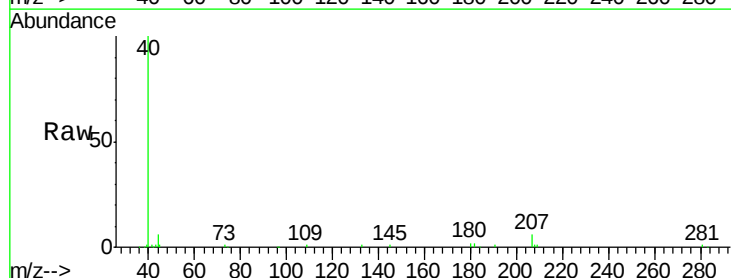
Tgt Ion: 180 Resp: 1172

Ion Ratio Lower Upper

180 100

182 112.4 48.0 144.2

145 23.1 14.2 42.8

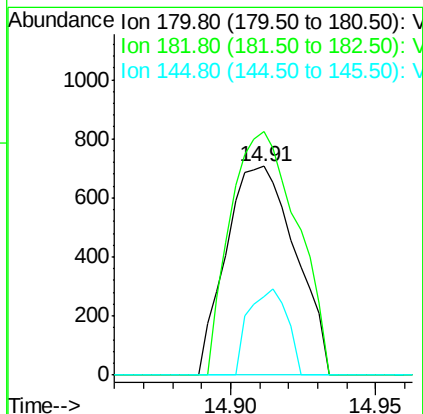
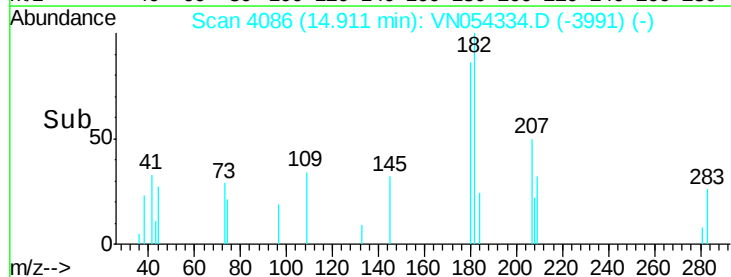


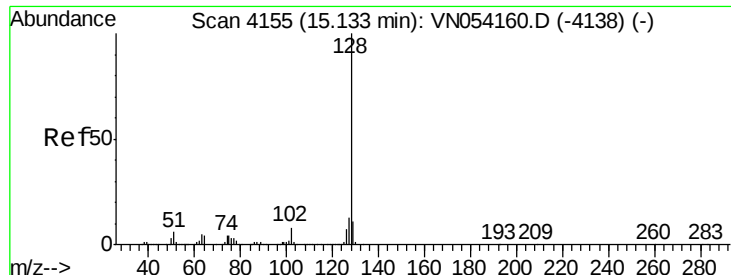
Abundance Ion 179.80 (179.50 to 180.50): VN054334.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN054334.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN054334.D (-3991) (-)

Time-->





#95

Naphthalene

Concen: 3.569 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN054334.D

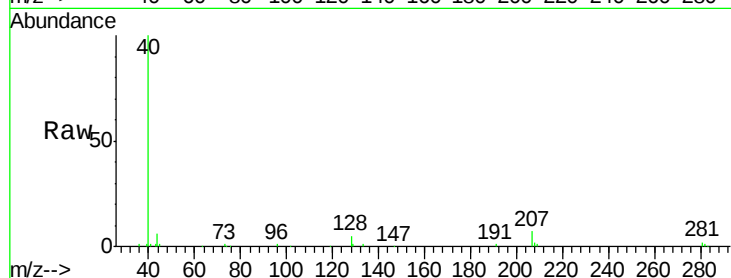
Acq: 16 Mar 2019 14:01

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5



Tot Ion:128 Resp: 3687

Ion Ratio Lower Upper

128 100

127 5.0 10.1 15.1#

129 19.1 8.7 13.1#

