

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056106.D
 Acq On : 7 Jun 2019 18:30
 Operator : JC/SP
 Sample : K3251-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jun 08 05:12:49 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	325422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	489237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	458359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144725	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	159564	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
35) Dibromofluoromethane	7.59	113	139879	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
50) Toluene-d8	10.09	98	589377	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	182438	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	

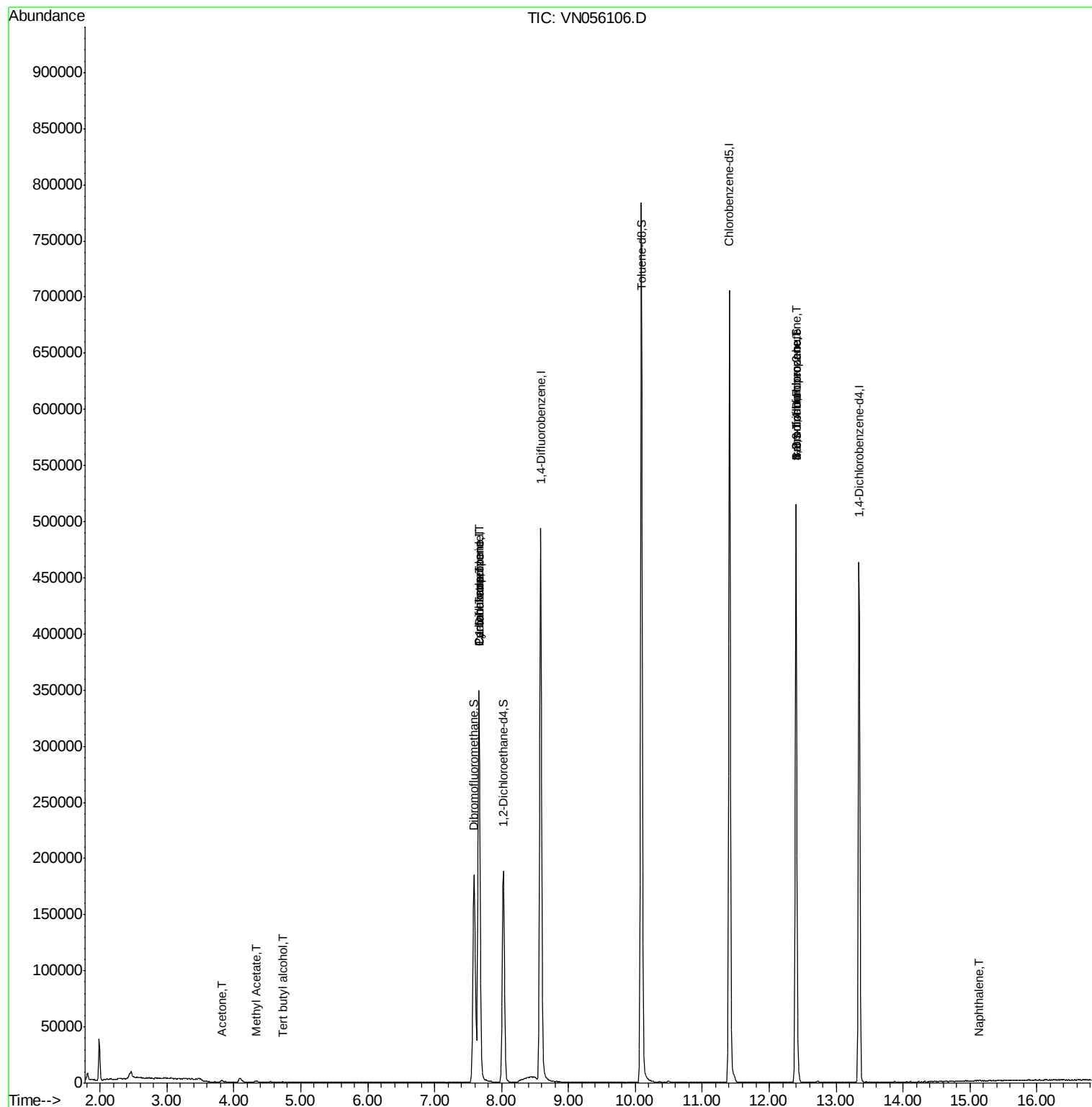
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	194	0.345	ug/l #	74
16) Acetone	3.82	43	3044	1.970	ug/l	89
18) Methyl Acetate	4.33	43	2746	0.330	ug/l #	76
31) Cyclohexane	7.66	56	4510	0.880	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19008	4.518	ug/l #	47
38) Carbon Tetrachloride	7.66	117	26541	6.843	ug/l #	15
71) Bromoform	12.40	173	1291	3.204	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	82508	30.983	ug/l #	100
79) 2-Chlorotoluene	12.40	91	485	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	82508	103.179	ug/l #	15
95) Naphthalene	15.14	128	235	3.883	ug/l #	69

(#) = 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: VN056106.D

Acq: 7 Jun 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

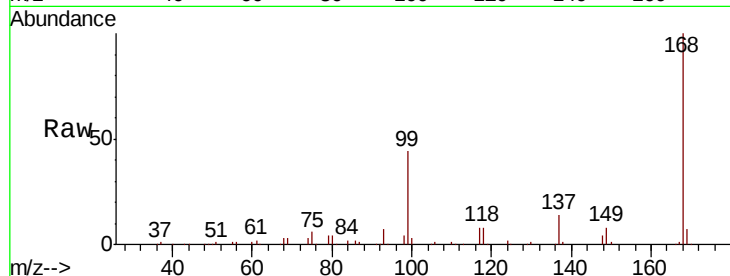
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 325422

Ion Ratio Lower Upper

168 100

99 44.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

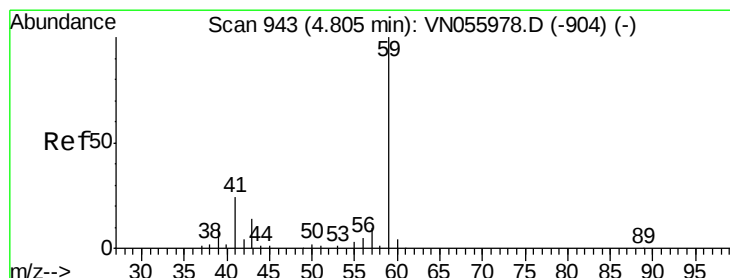
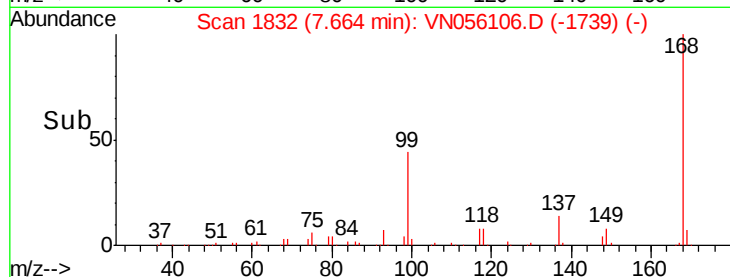
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.345 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.07 min

Lab File: VN056106.D

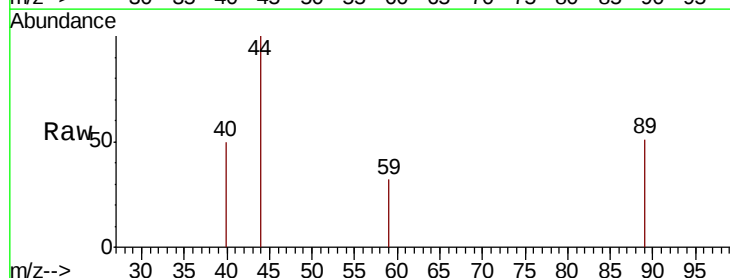
Acq: 7 Jun 2019 18:30

Tgt Ion: 59 Resp: 194

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.73

200

150

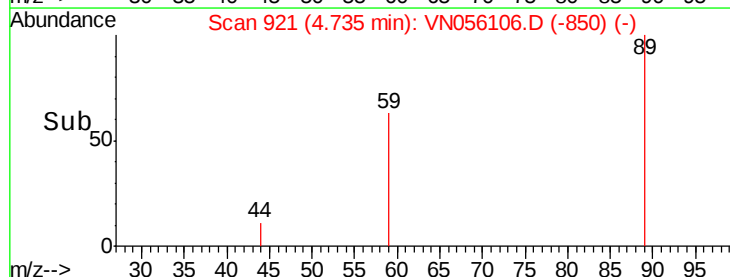
100

50

0

4.72 4.74 4.76

Time-->





#16

Acetone

Concen: 1.970 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056106.D

Acq: 7 Jun 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

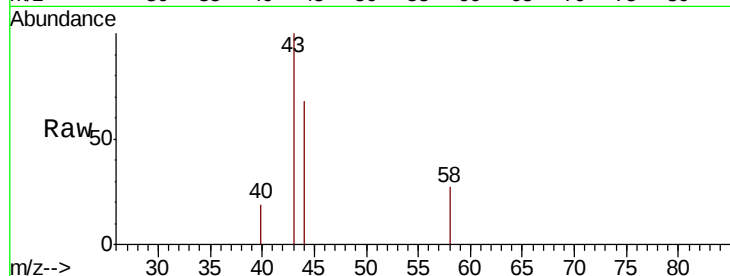
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 3044

Ion Ratio Lower Upper

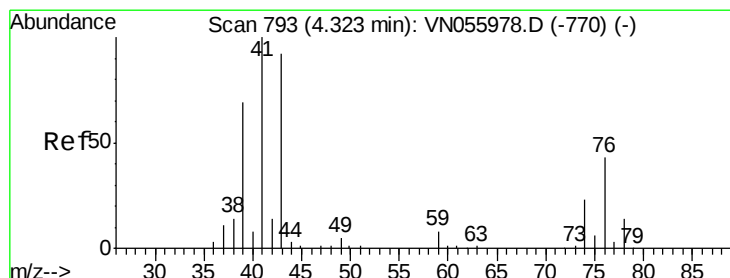
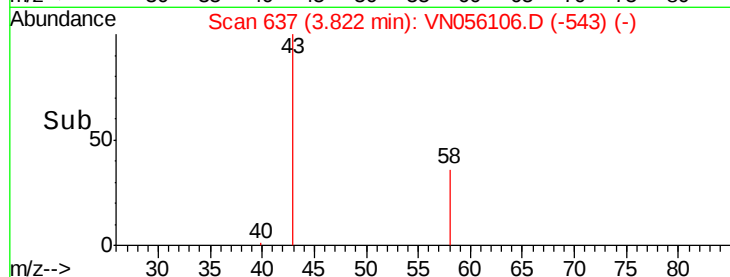
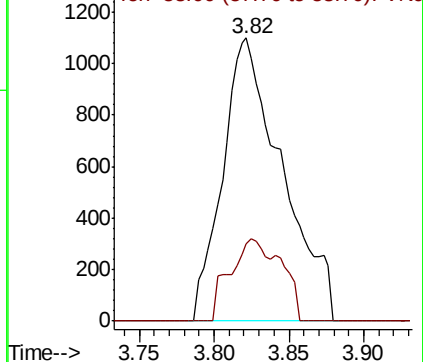
43 100

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: 0.330 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056106.D

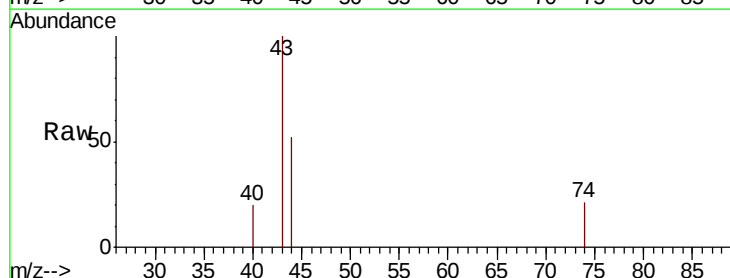
Acq: 7 Jun 2019 18:30

Tgt Ion: 43 Resp: 2746

Ion Ratio Lower Upper

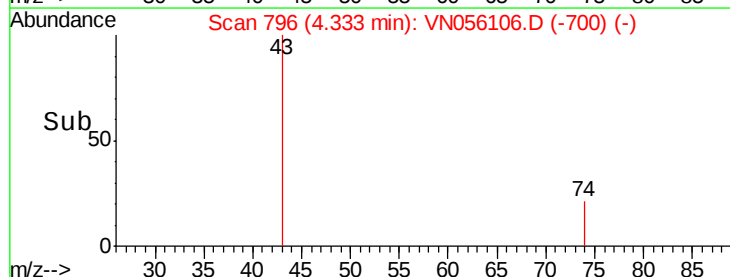
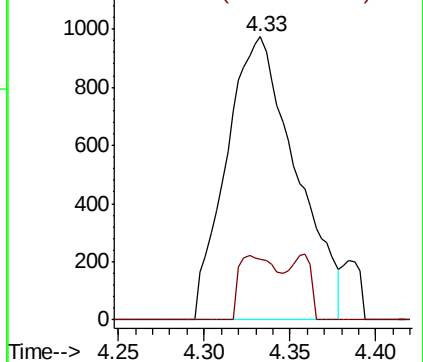
43 100

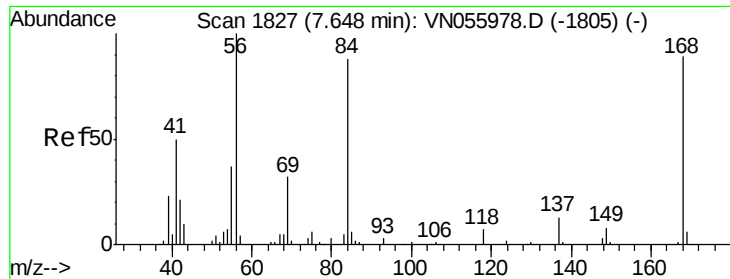
74 12.4 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

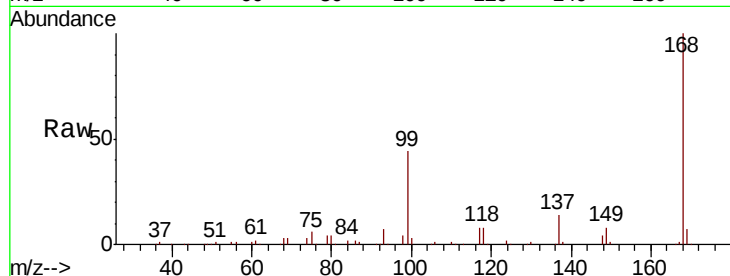




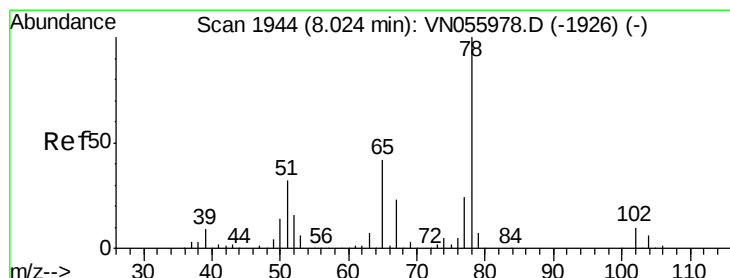
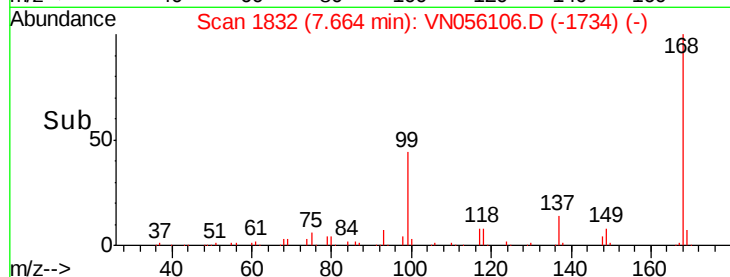
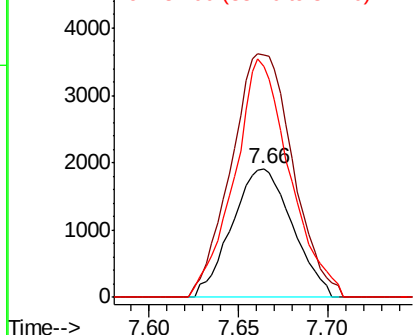
#31
Cyclohexane
Concen: 0.880 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056106.D
Acq: 7 Jun 2019 18:30

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

Tot Ion: 56 Resp: 4510
Ion Ratio Lower Upper
56 100
69 188.2 25.6 38.4#
84 179.3 67.4 101.0#

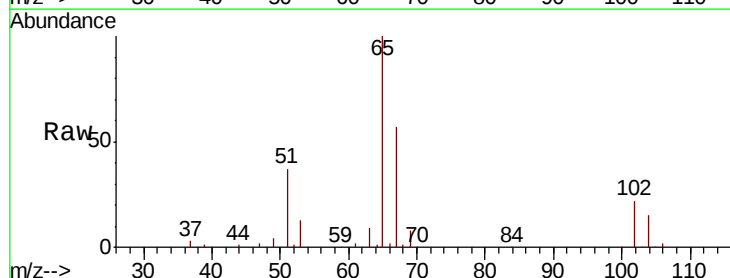


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

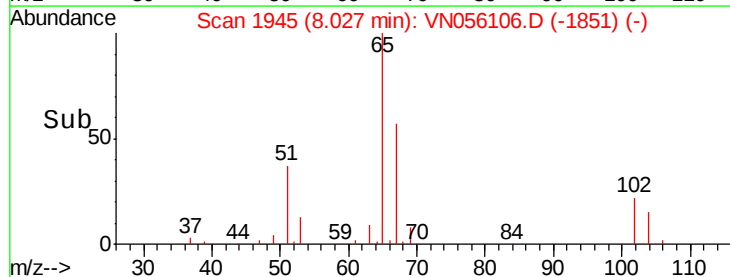
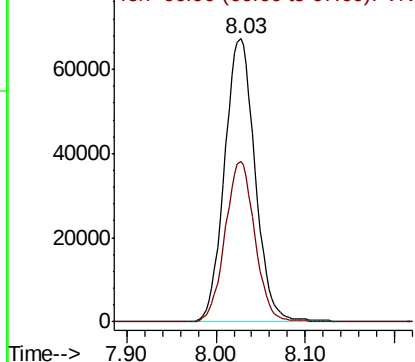


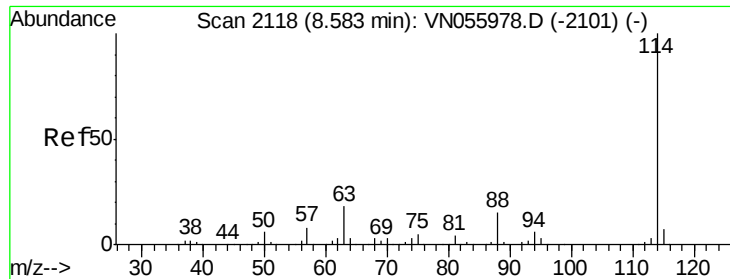
#33
1,2-Dichloroethane-d4
Concen: 49.383 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056106.D
Acq: 7 Jun 2019 18:30

Tgt Ion: 65 Resp: 159564
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

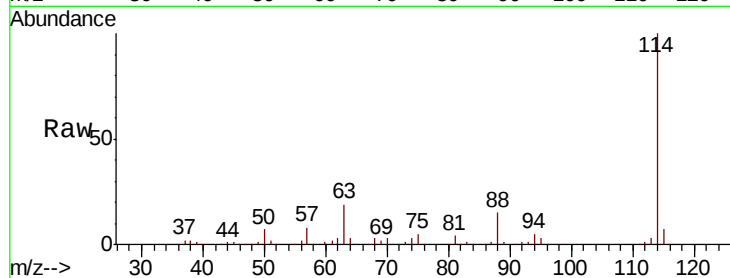




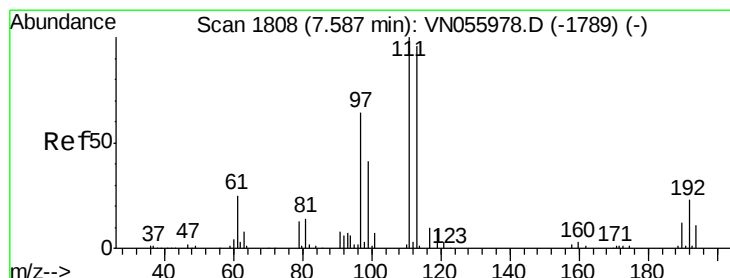
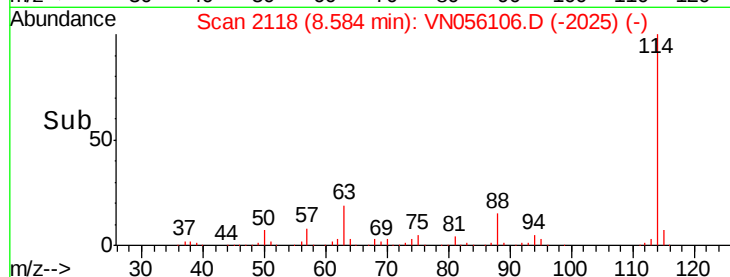
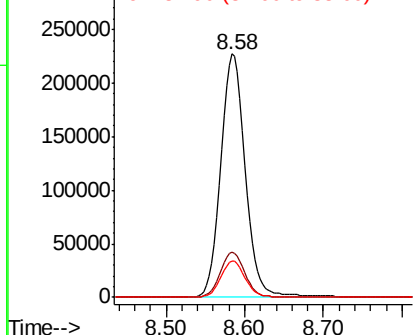
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056106.D
Acq: 7 Jun 2019 18:30

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

Tot Ion:114 Resp: 489237
Ion Ratio Lower Upper
114 100
63 18.6 0.0 39.2
88 15.0 0.0 31.0

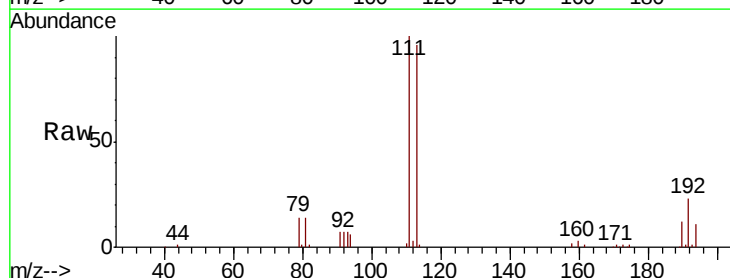


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

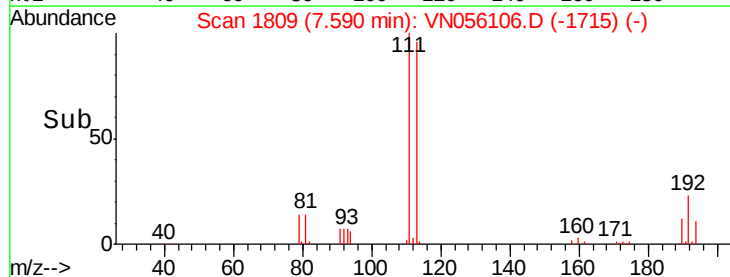
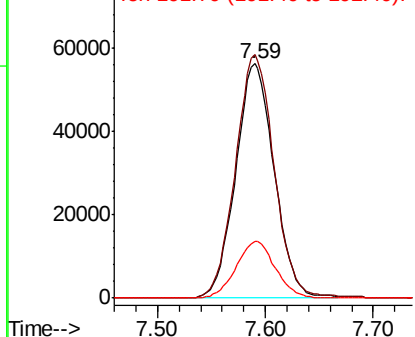


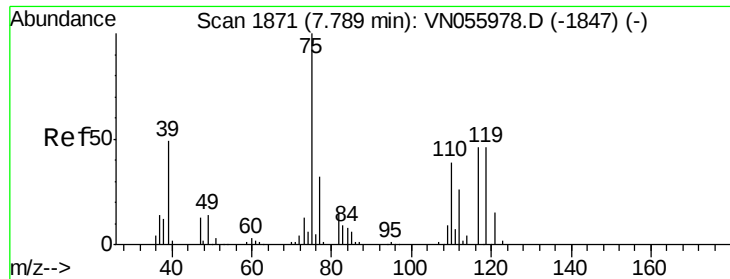
#35
Dibromofluoromethane
Concen: 46.601 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056106.D
Acq: 7 Jun 2019 18:30

Tgt Ion:113 Resp: 139879
Ion Ratio Lower Upper
113 100
111 104.8 81.9 122.9
192 24.5 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: 4.518 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056106.D

Acq: 7 Jun 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

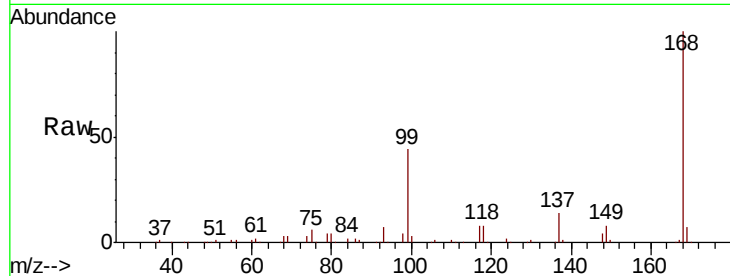
Tot Ion: 75 Resp: 19008

Ion Ratio Lower Upper

75 100

110 8.1 19.0 57.0#

77 0.0 25.1 37.7#

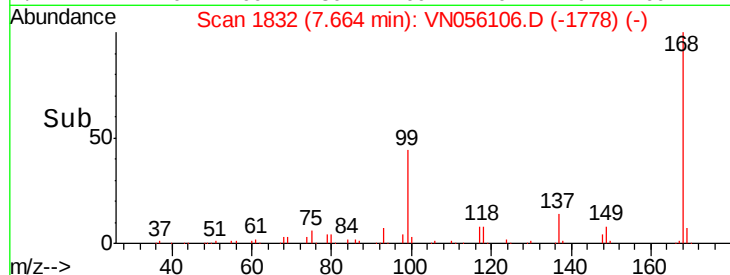


Abundance Ion 74.90 (74.60 to 75.60): VN056106.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN056106.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN056106.D (-1778) (-)

Time-->



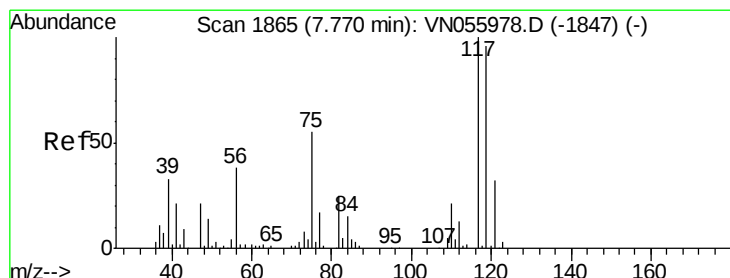
Abundance

Ion 74.90 (74.60 to 75.60): VN056106.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN056106.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN056106.D (-1778) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.843 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056106.D

Acq: 7 Jun 2019 18:30

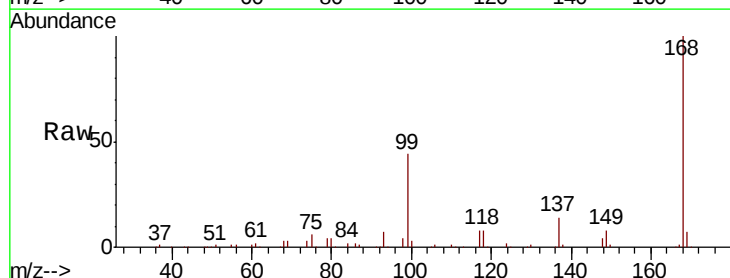
Tgt Ion: 117 Resp: 26541

Ion Ratio Lower Upper

117 100

119 5.8 79.0 118.6#

121 0.0 24.7 37.1#

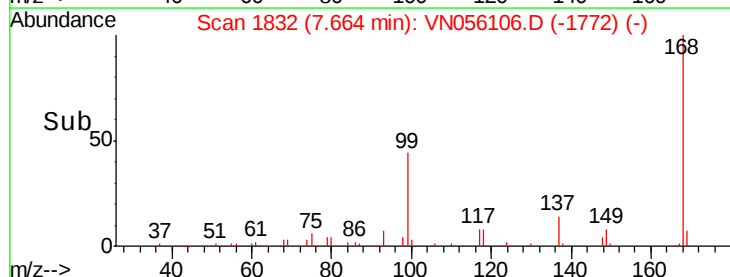


Abundance Ion 116.80 (116.50 to 117.50): VN056106.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN056106.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN056106.D (-1772) (-)

Time-->



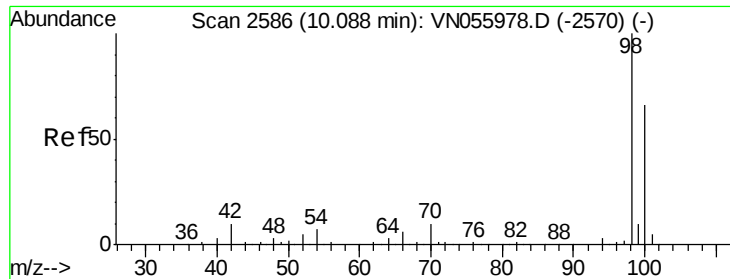
Abundance

Ion 116.80 (116.50 to 117.50): VN056106.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN056106.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN056106.D (-1772) (-)

Time-->



#50

Toluene-d8

Concen: 51.027 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056106.D

Acq: 7 Jun 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

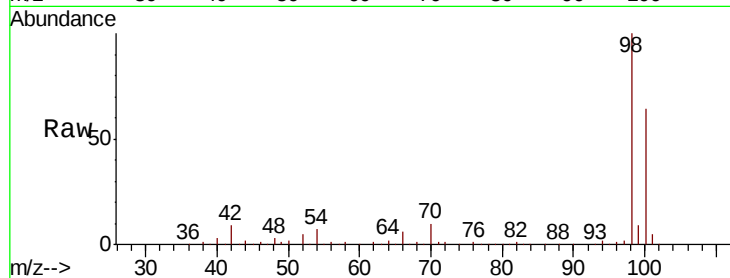
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 589377

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

300000

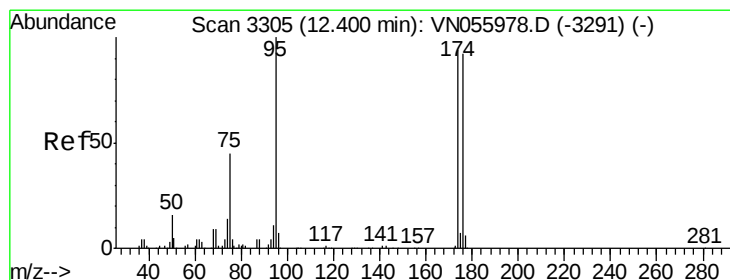
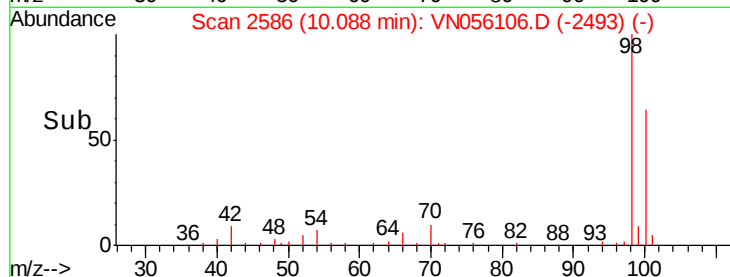
200000

100000

0

Time-->

10.00 10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 46.446 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056106.D

Acq: 7 Jun 2019 18:30

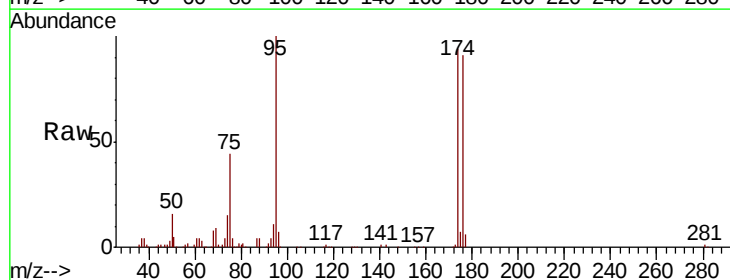
Tgt Ion: 95 Resp: 182438

Ion Ratio Lower Upper

95 100

174 96.0 0.0 191.0

176 92.9 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) (-)

12.40

150000

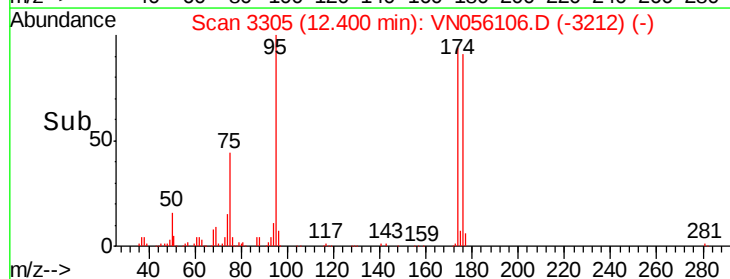
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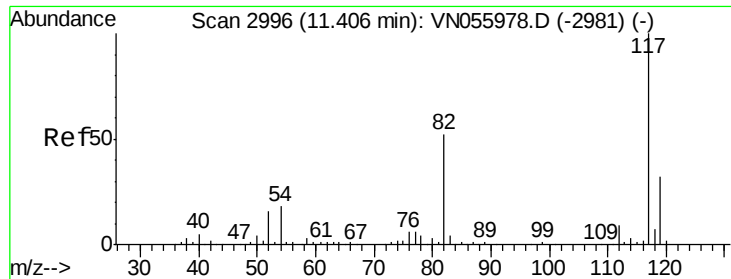
50000

0

Time-->

12.30 12.40 12.50

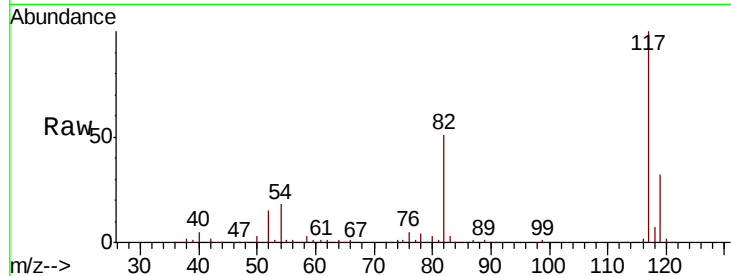




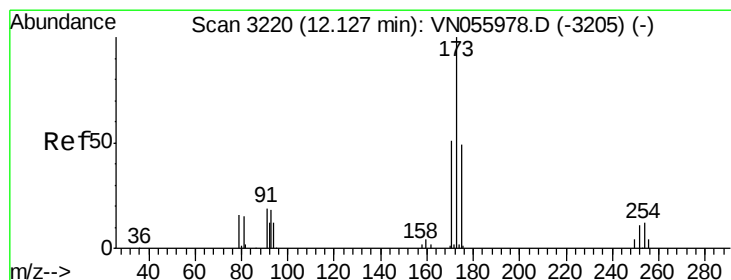
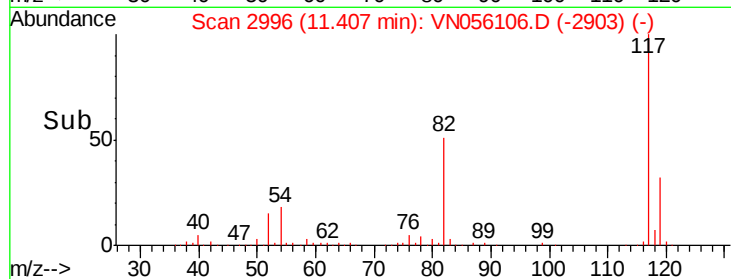
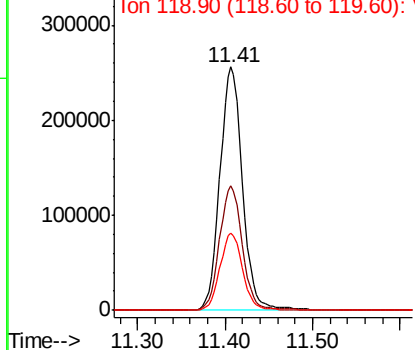
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056106.D
Acq: 7 Jun 2019 18:30

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

Tot Ion:117 Resp: 458359
Ion Ratio Lower Upper
117 100
82 51.1 41.8 62.8
119 31.8 25.4 38.0

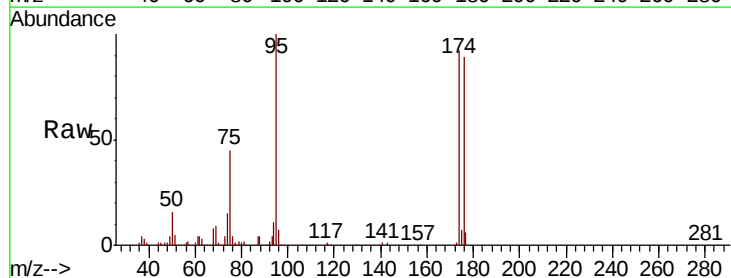


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

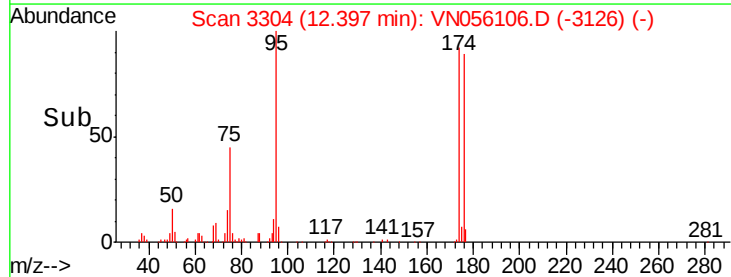
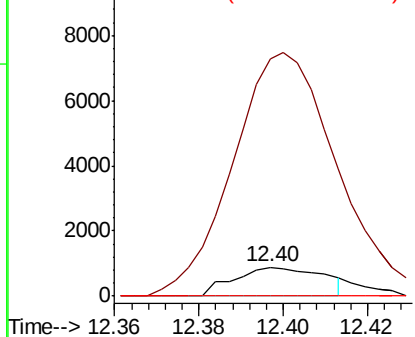


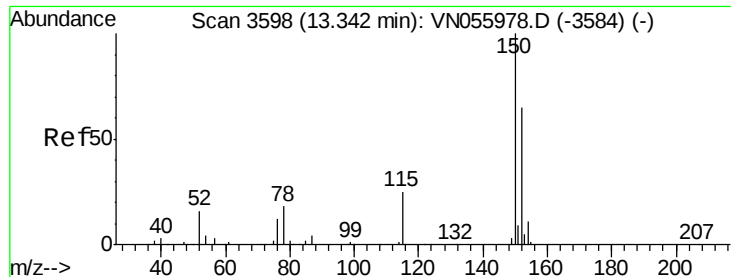
#71
Bromoform
Concen: 3.204 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN056106.D
Acq: 7 Jun 2019 18:30

Tgt Ion:173 Resp: 1291
Ion Ratio Lower Upper
173 100
175 870.2 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: VN056106.D

Acq: 7 Jun 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

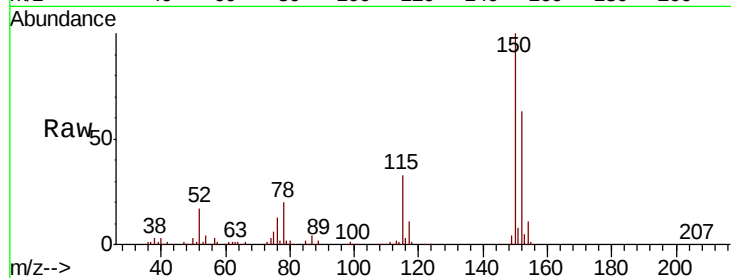
Tot Ion:152 Resp: 144725

Ion Ratio Lower Upper

152 100

115 52.6 27.0 81.0

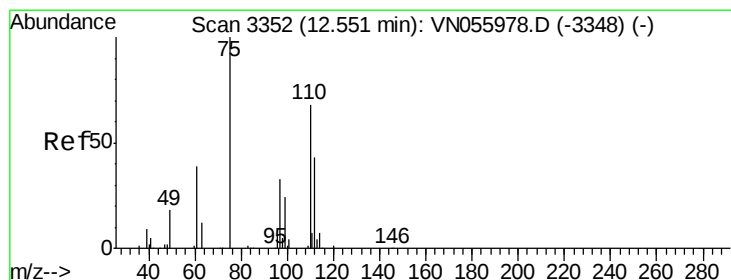
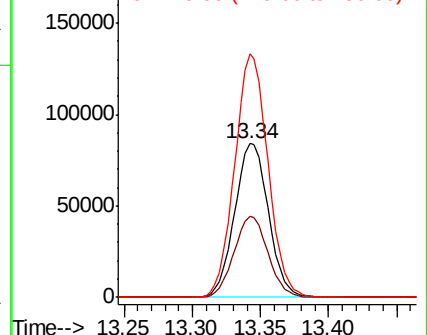
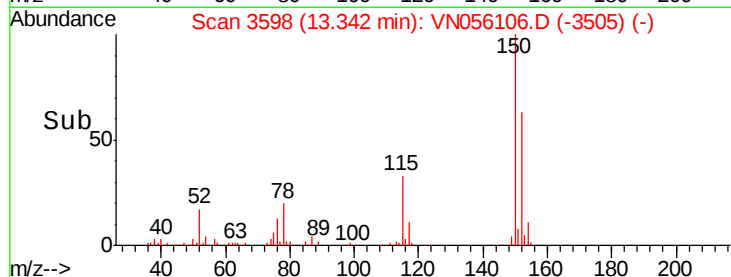
150 155.6 0.0 343.2



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



#76

1,2,3-Trichloropropane

Concen: 30.983 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056106.D

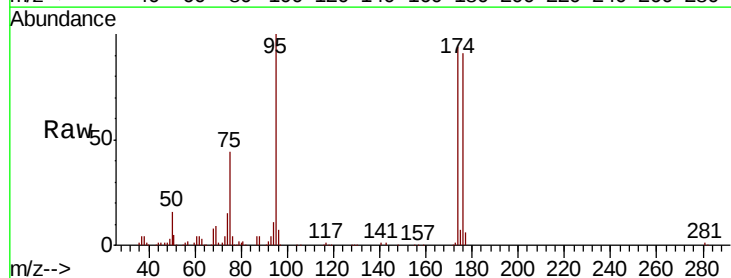
Acq: 7 Jun 2019 18:30

Tgt Ion: 75 Resp: 82508

Ion Ratio Lower Upper

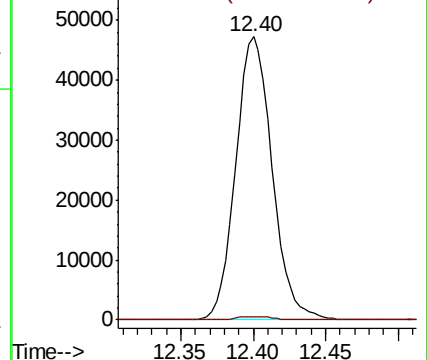
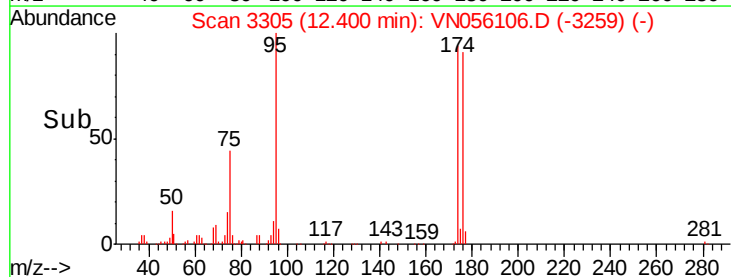
75 100

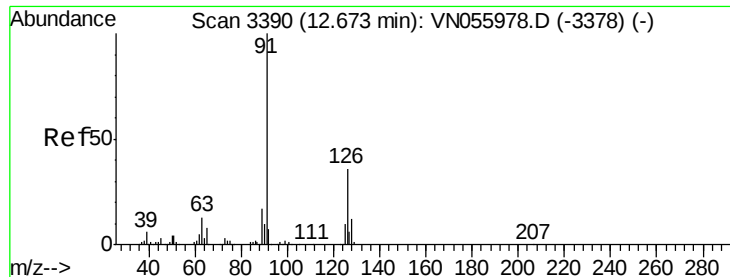
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN056106.D

Acq: 7 Jun 2019 18:30

Instrument :

MSVOA_N

ClientSampleId :

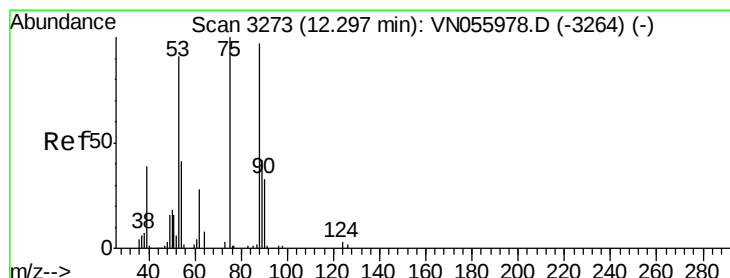
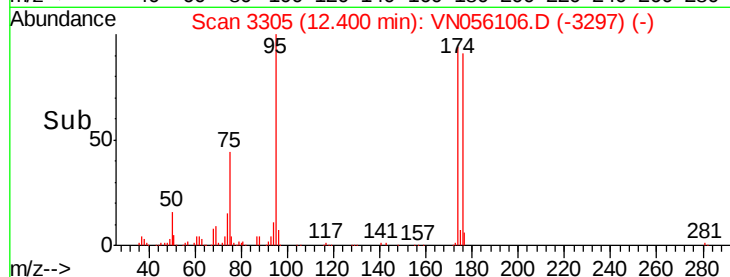
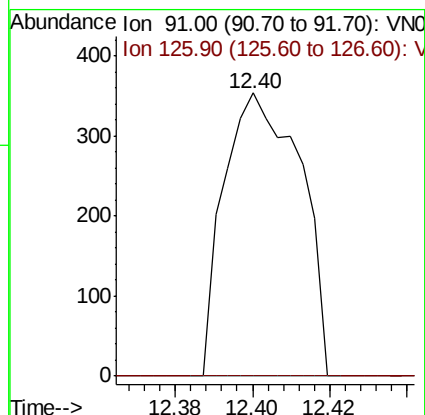
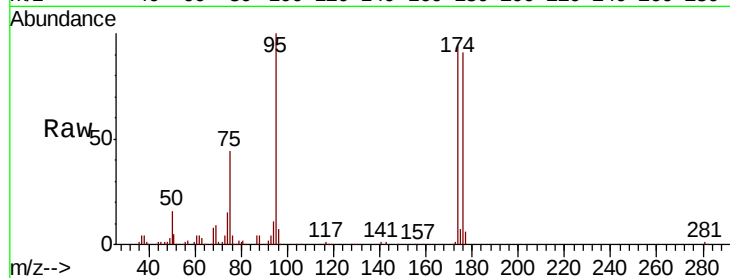
STORAGE-BLANK-WATER-REF-5

Tot Ion: 91 Resp: 485

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.179 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056106.D

Acq: 7 Jun 2019 18:30

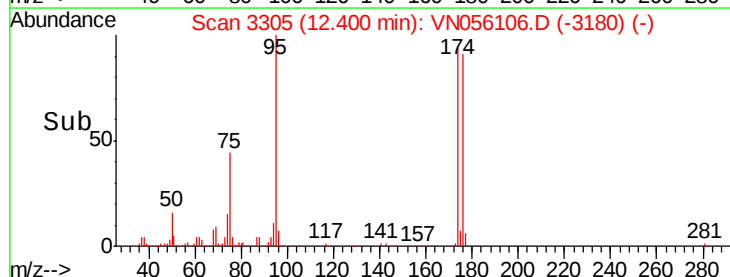
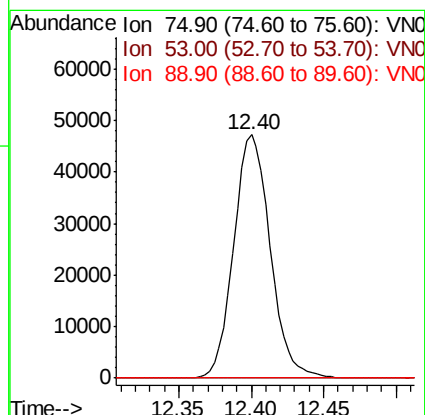
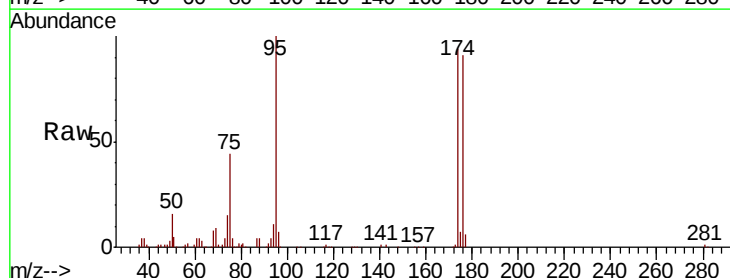
Tgt Ion: 75 Resp: 82508

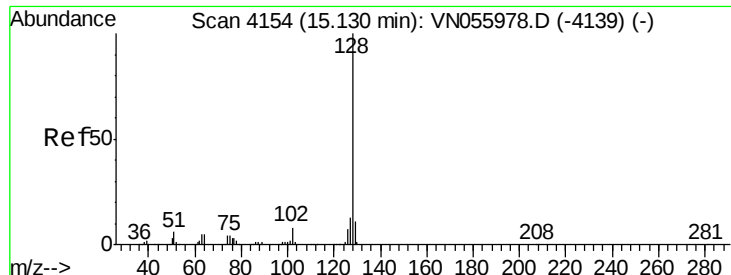
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.883 ug/l
RT: 15.14 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN056106.D
Acq: 7 Jun 2019 18:30

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#

