

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051454.D
 Acq On : 24 Sep 2018 12:16
 Operator : MD\SY
 Sample : J5056-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RA-BASELINE-WATER

Quant Time: Sep 25 01:57:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	650993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	979945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	806252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	286754	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	440983	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
35) Dibromofluoromethane	7.59	113	384051	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.09	98	1373349	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
62) 4-Bromofluorobenzene	12.40	95	362829	38.01	ug/l	0.00
Spiked Amount			Recovery	=	76.02%	

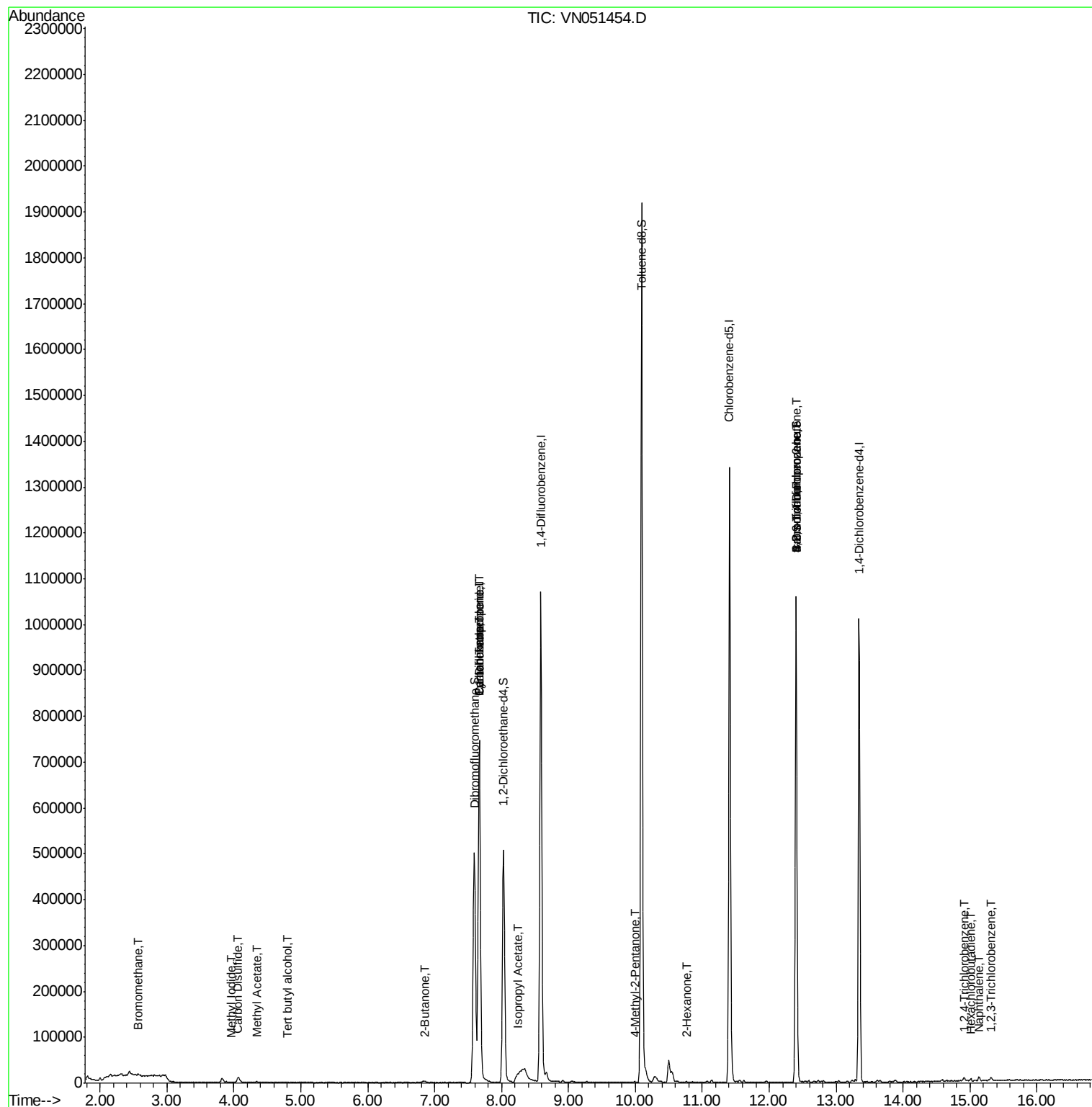
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1995	0.371	ug/l	86
10) Methyl Iodide	3.96	142	926	0.364	ug/l #	56
11) Tert butyl alcohol	4.80	59	162	0.352	ug/l #	78
16) Acetone	3.82	43	15087	Below Cal		96
17) Carbon Disulfide	4.05	76	4986	0.234	ug/l #	93
18) Methyl Acetate	4.34	43	4246	0.684	ug/l #	66
25) 2-Butanone	6.85	43	1019	0.365	ug/l	98
31) Cyclohexane	7.67	56	12147	0.946	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45152	3.979	ug/l #	48
38) Carbon Tetrachloride	7.67	117	59012	4.972	ug/l #	16
43) Isopropyl Acetate	8.24	43	14804	1.255	ug/l #	60
51) 4-Methyl-2-Pentanone	9.99	43	1316	0.203	ug/l	93
59) 2-Hexanone	10.76	43	1274	0.303	ug/l	98
71) Bromoform	12.40	173	2715	0.508	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	178051	37.403	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	178051	115.013	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	2823	6.430	ug/l	95
94) Hexachlorobutadiene	15.02	225	881	0.226	ug/l	83
95) Naphthalene	15.13	128	6945	8.591	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	3149	0.638	ug/l #	82

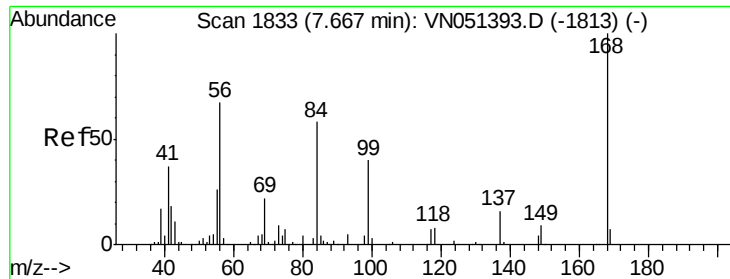
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092418\
Data File : VN051454.D
Acq On : 24 Sep 2018 12:16
Operator : MD\SY
Sample : J5056-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RA-BASELINE-WATER

Quant Time: Sep 25 01:57:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051454.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

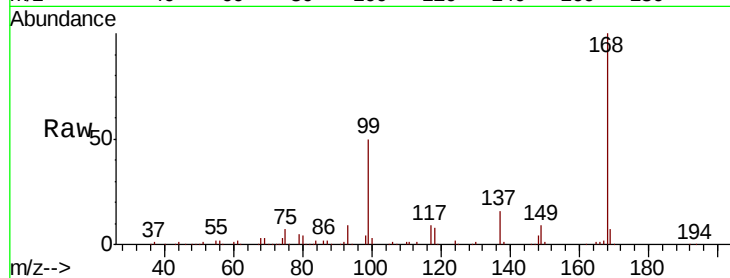
RA-BASELINE-WATER

Tot Ion:168 Resp: 650993

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

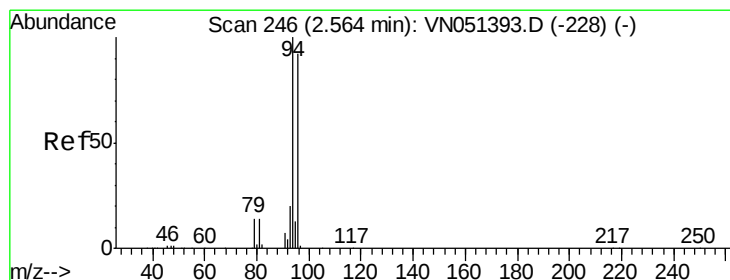
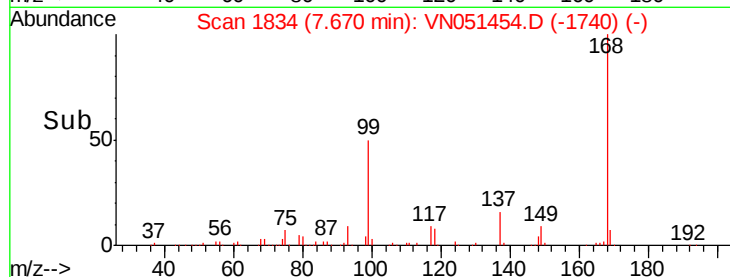
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.371 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051454.D

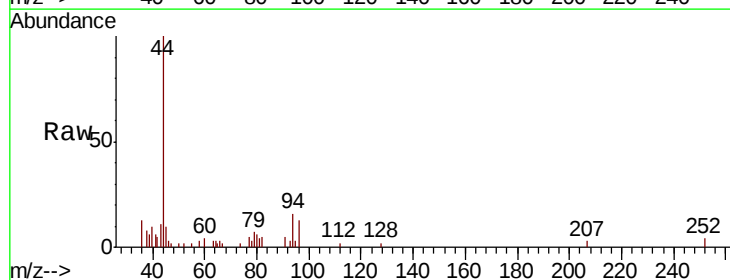
Acq: 24 Sep 2018 12:16

Tgt Ion: 94 Resp: 1995

Ion Ratio Lower Upper

94 100

96 78.6 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

1200

1000

800

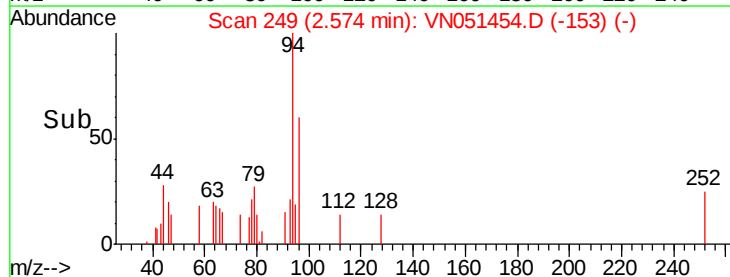
600

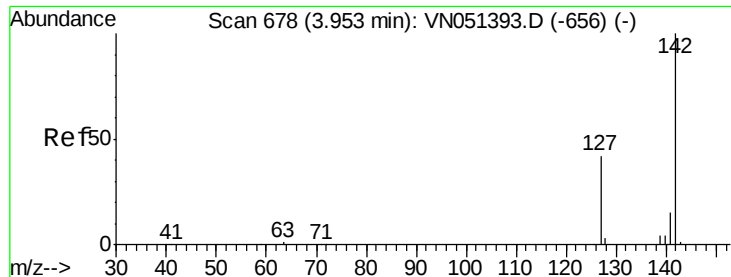
400

200

0

Time-->

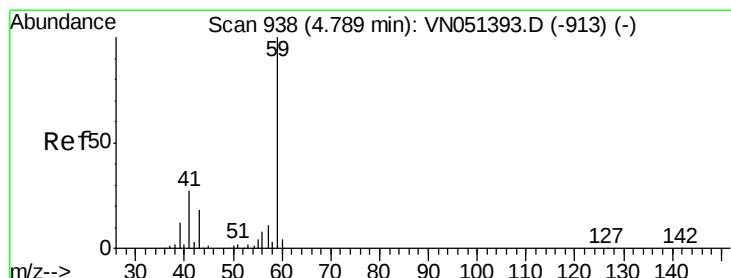
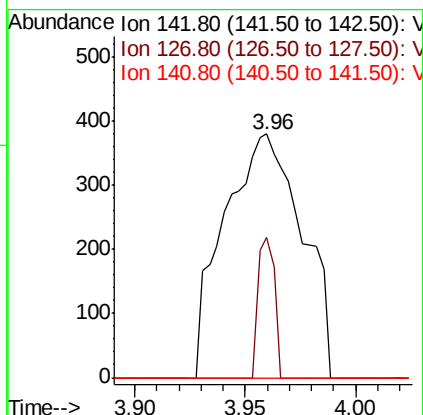
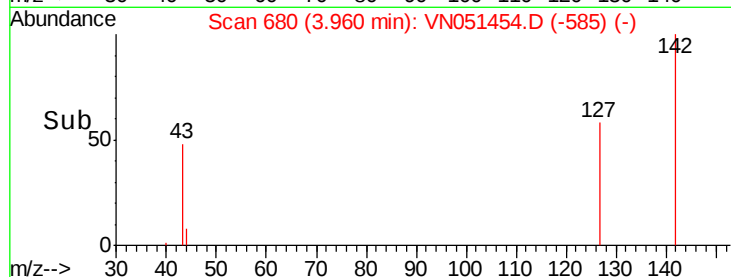
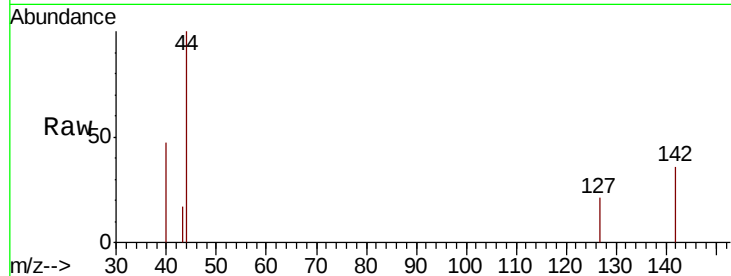




#10
Methyl Iodide
Concen: 0.364 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051454.D
Acq: 24 Sep 2018 12:16

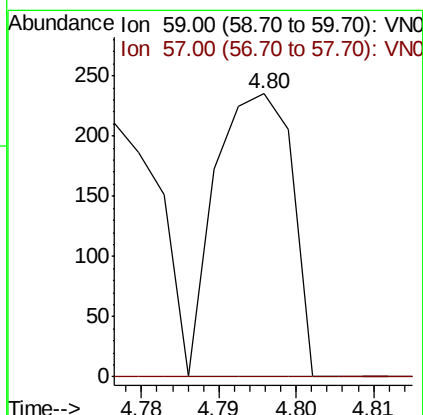
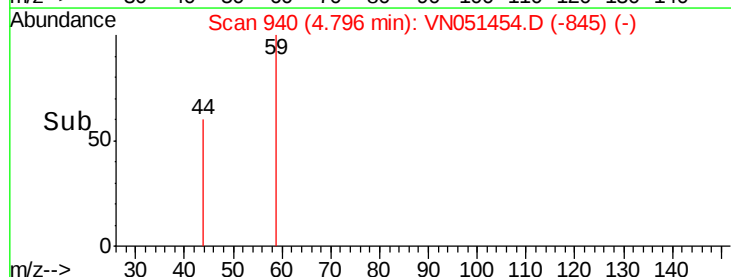
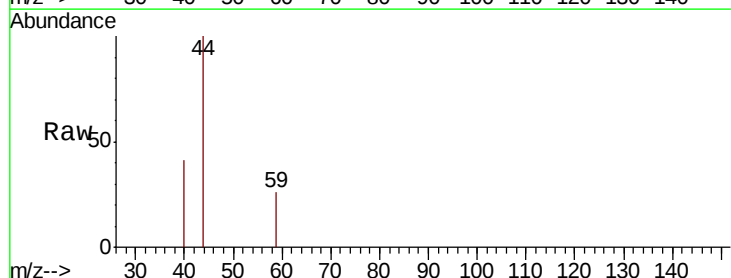
Instrument :
MSVOA_N
ClientSampleId :
RA-BASELINE-WATER

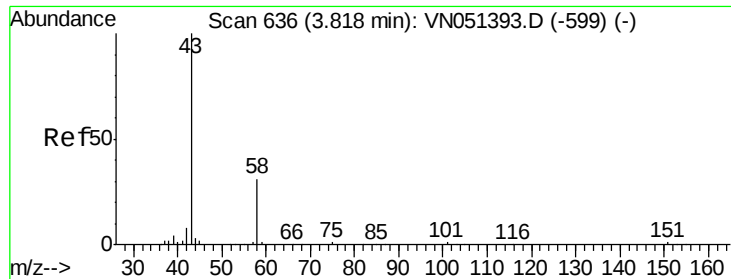
Tot Ion:142 Resp: 926
Ion Ratio Lower Upper
142 100
127 12.3 33.2 49.8#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.352 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN051454.D
Acq: 24 Sep 2018 12:16

Tgt Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051454.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

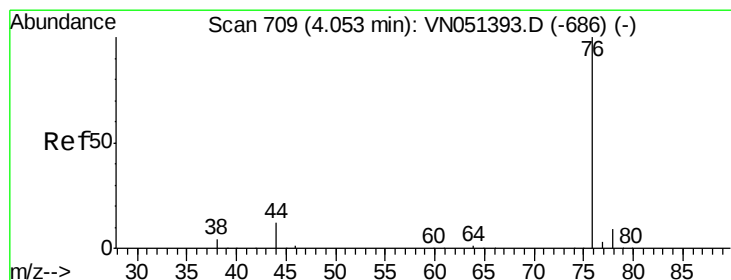
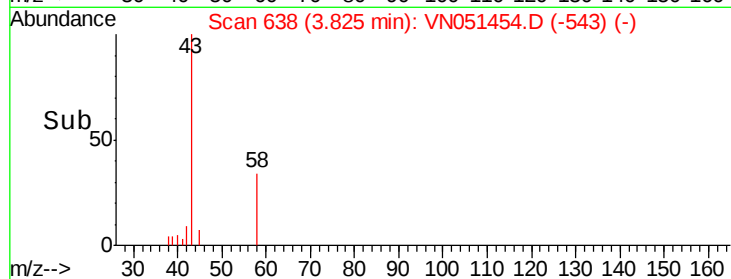
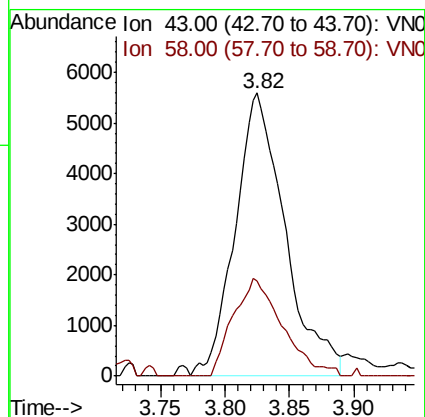
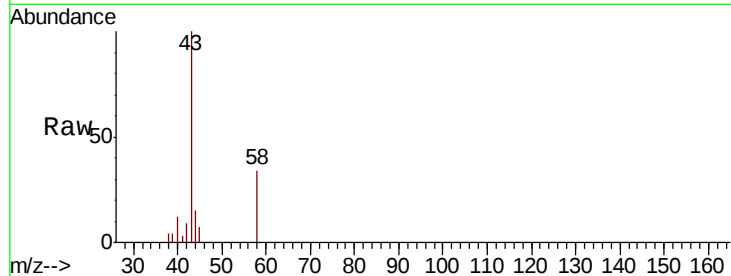
RA-BASELINE-WATER

Tot Ion: 43 Resp: 15087

Ion Ratio Lower Upper

43 100

58 33.5 25.0 37.4



#17

Carbon Disulfide

Concen: 0.234 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051454.D

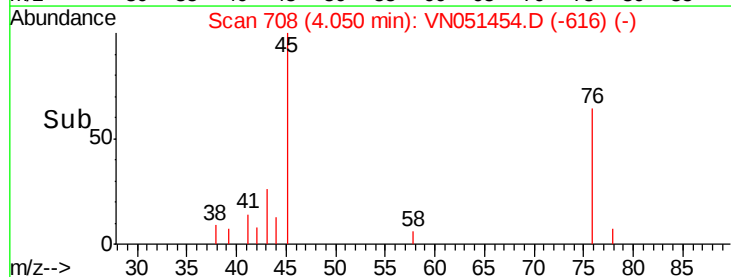
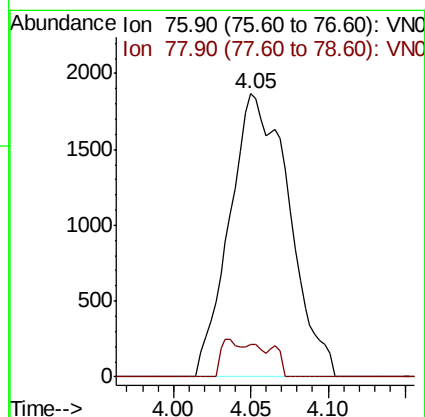
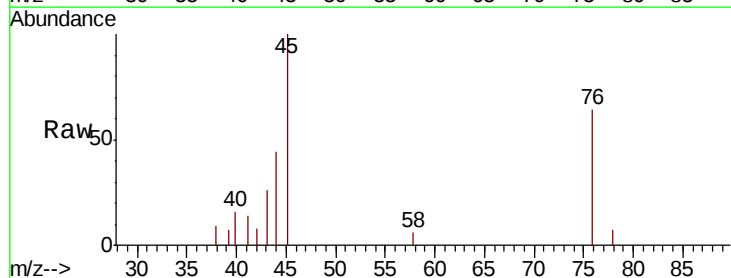
Acq: 24 Sep 2018 12:16

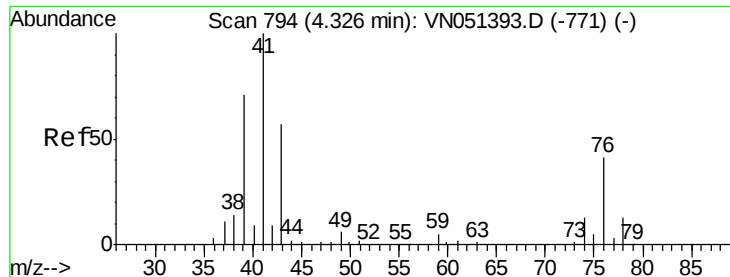
Tgt Ion: 76 Resp: 4986

Ion Ratio Lower Upper

76 100

78 11.6 7.3 10.9#

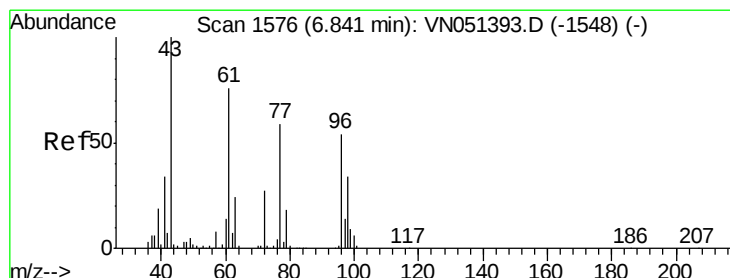
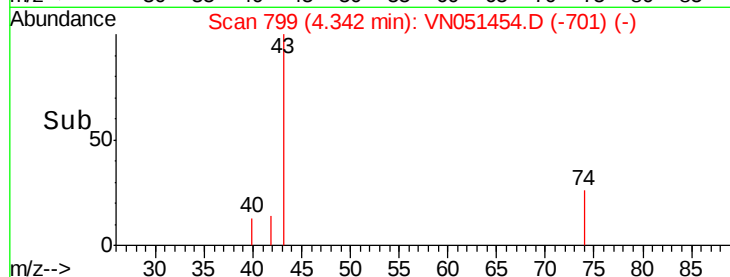
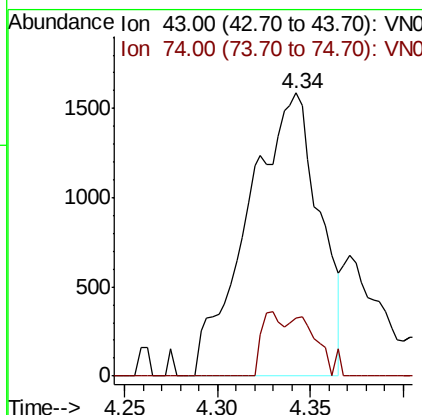
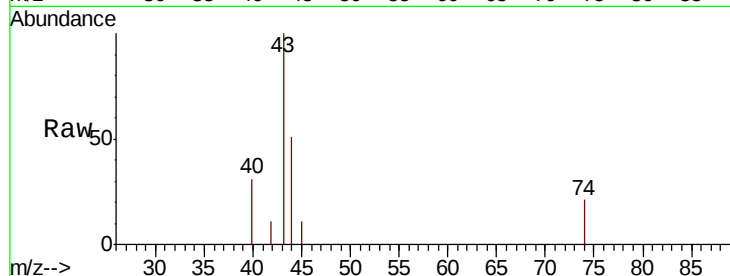




#18
Methyl Acetate
Concen: 0.684 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN051454.D
Acq: 24 Sep 2018 12:16

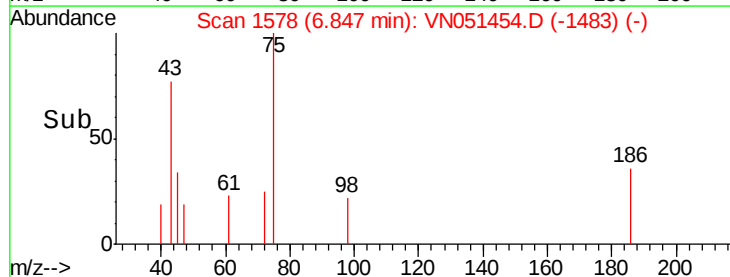
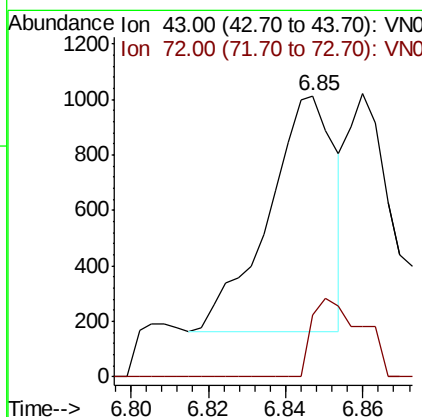
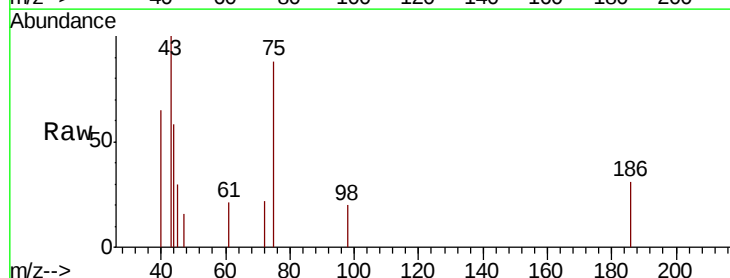
Instrument :
MSVOA_N
ClientSampleId :
RA-BASELINE-WATER

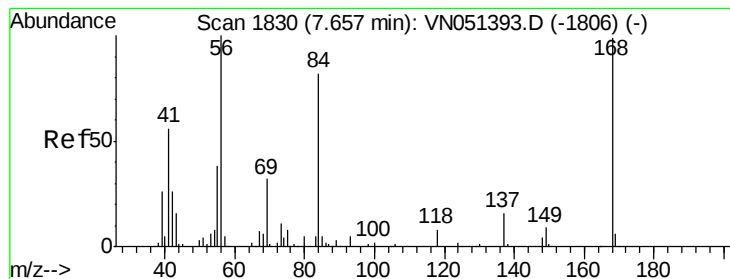
Tot Ion: 43 Resp: 4246
Ion Ratio Lower Upper
43 100
74 6.9 18.8 28.2#



#25
2-Butanone
Concen: 0.365 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051454.D
Acq: 24 Sep 2018 12:16

Tgt Ion: 43 Resp: 1019
Ion Ratio Lower Upper
43 100
72 26.3 21.8 32.6





#31

Cyclohexane

Concen: 0.946 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051454.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

RA-BASELINE-WATER

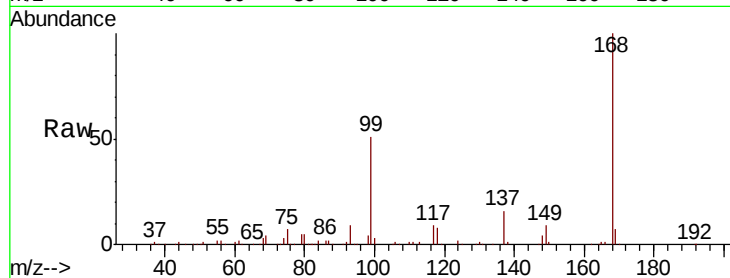
Tot Ion: 56 Resp: 12147

Ion Ratio Lower Upper

56 100

69 186.5 25.8 38.6#

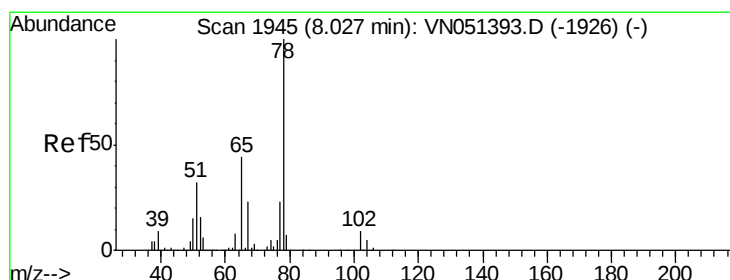
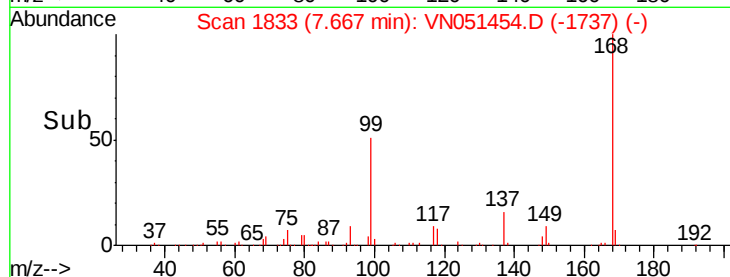
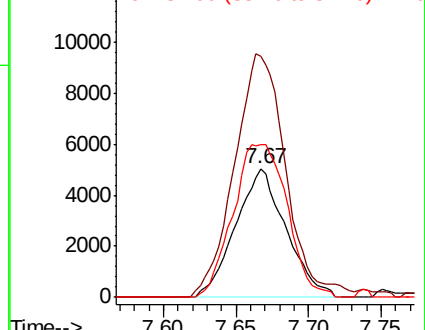
84 118.7 66.0 99.0#



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: 54.076 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051454.D

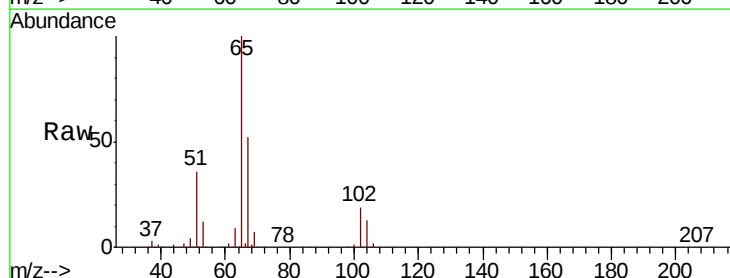
Acq: 24 Sep 2018 12:16

Tgt Ion: 65 Resp: 440983

Ion Ratio Lower Upper

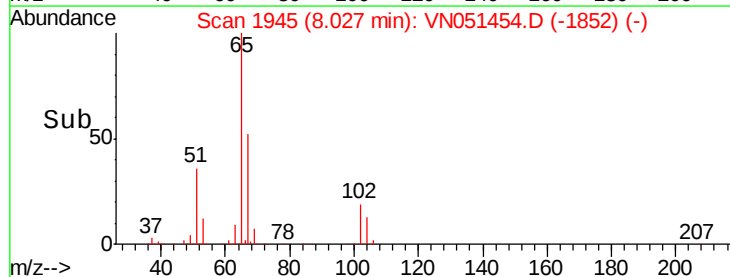
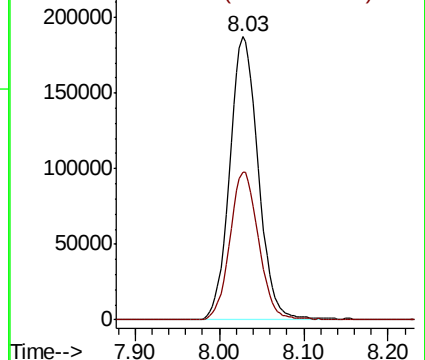
65 100

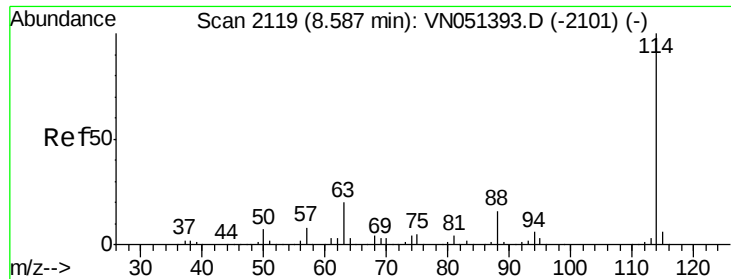
67 52.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

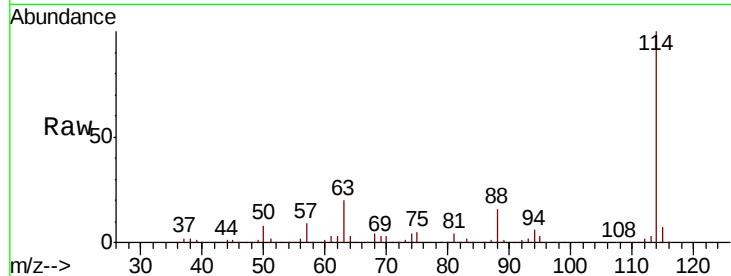




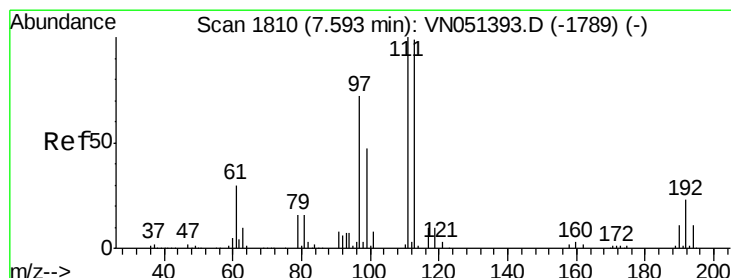
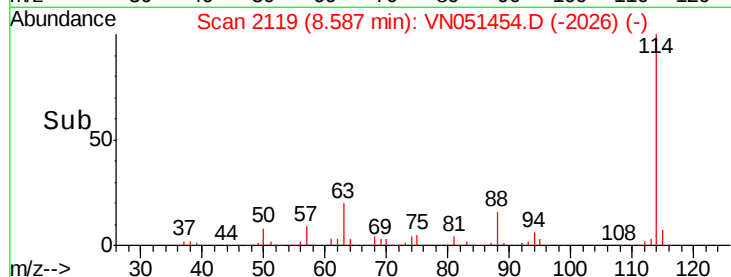
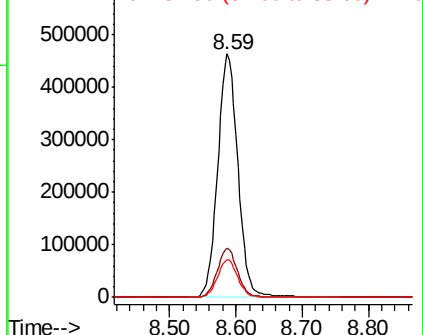
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051454.D
 Acq: 24 Sep 2018 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RA-BASELINE-WATER

Tot Ion:114 Resp: 979945
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.2
 88 15.6 0.0 31.4

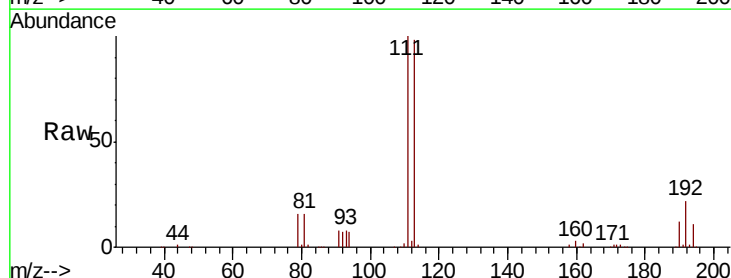


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

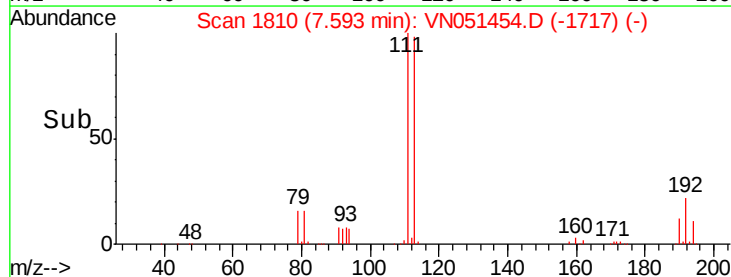
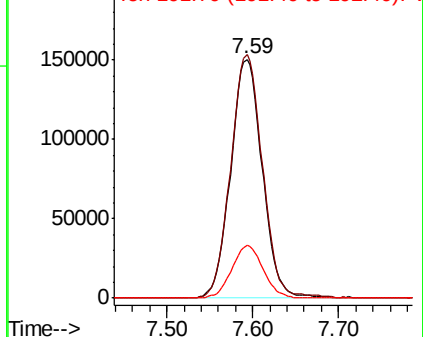


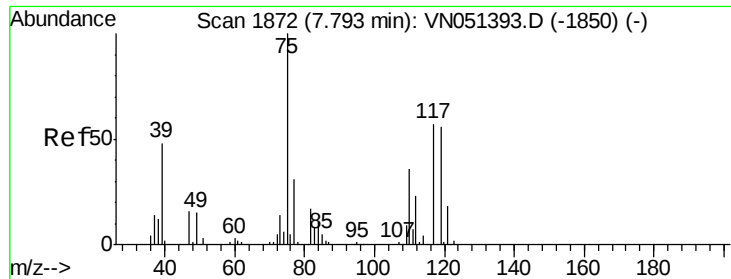
#35
 Dibromofluoromethane
 Concen: 49.010 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051454.D
 Acq: 24 Sep 2018 12:16

Tgt Ion:113 Resp: 384051
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 123.8
 192 21.9 18.0 27.0



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

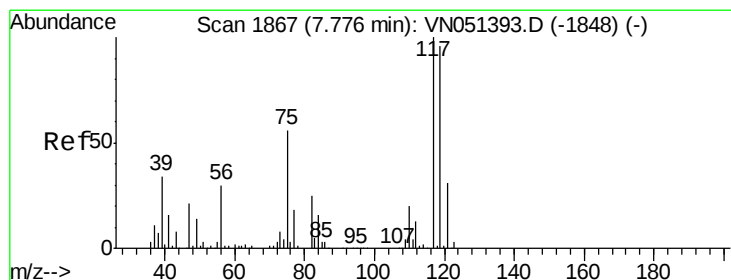
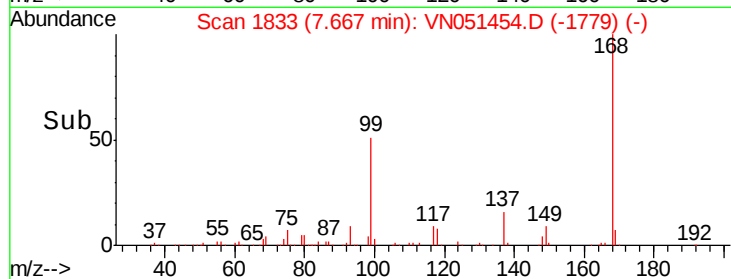
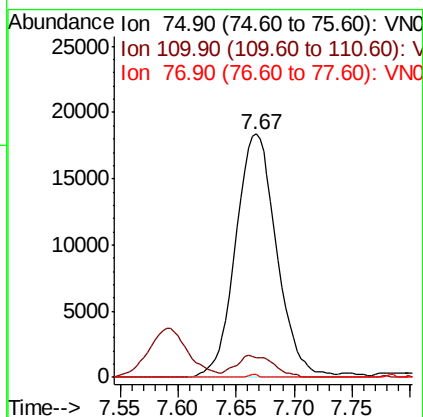
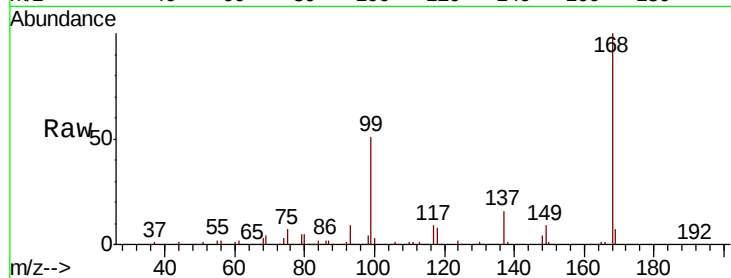




#36
 1,1-Dichloropropene
 Concen: 3.979 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051454.D
 Acq: 24 Sep 2018 12:16

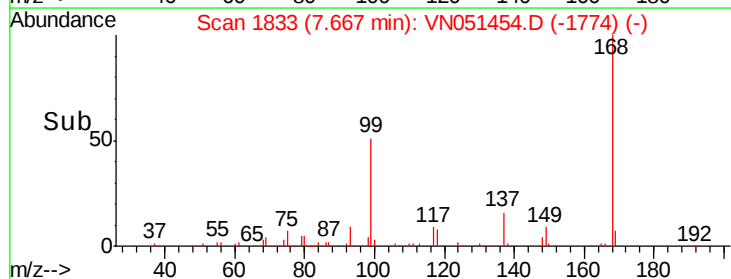
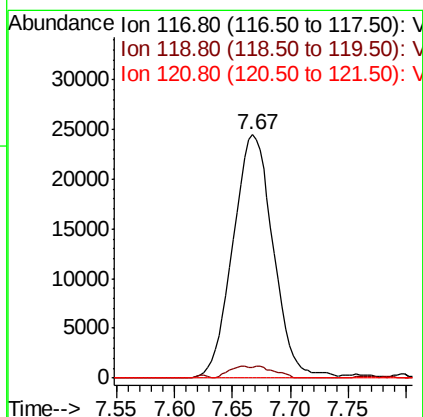
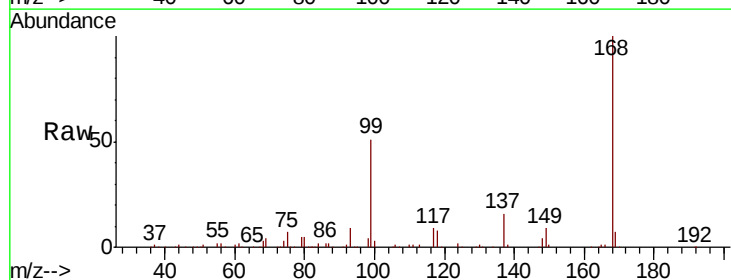
Instrument :
 MSVOA_N
 ClientSampleId :
 RA-BASELINE-WATER

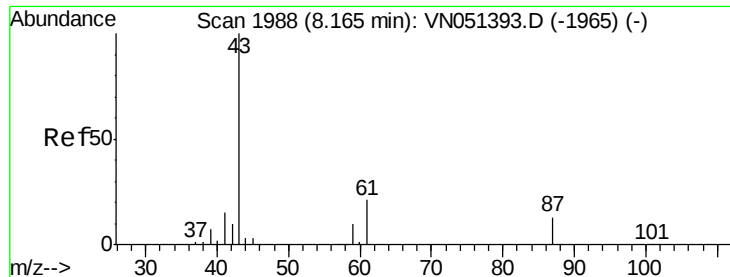
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.3#
77	0.2	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 4.972 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051454.D
 Acq: 24 Sep 2018 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.9	115.3#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 1.255 ug/l

RT: 8.24 min Scan# 2012

Delta R.T. 0.08 min

Lab File: VN051454.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

RA-BASELINE-WATER

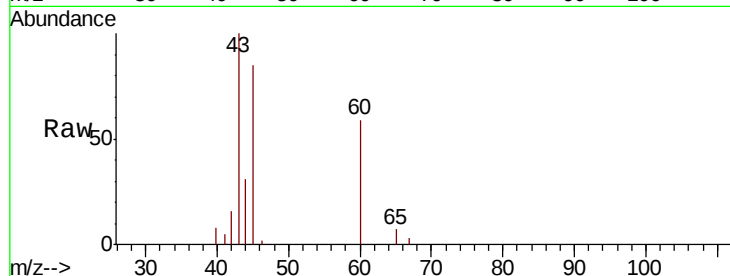
Tot Ion: 43 Resp: 14804

Ion Ratio Lower Upper

43 100

61 0.0 16.8 25.2#

87 0.0 10.7 16.1#

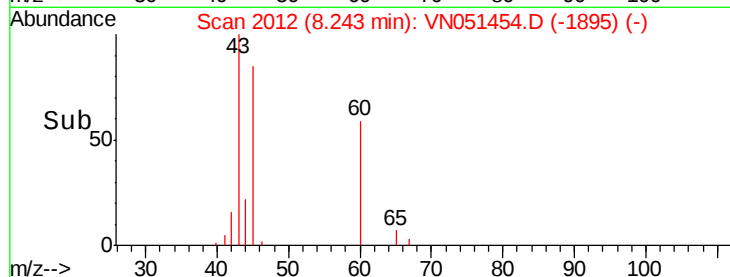


Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)

Time-->

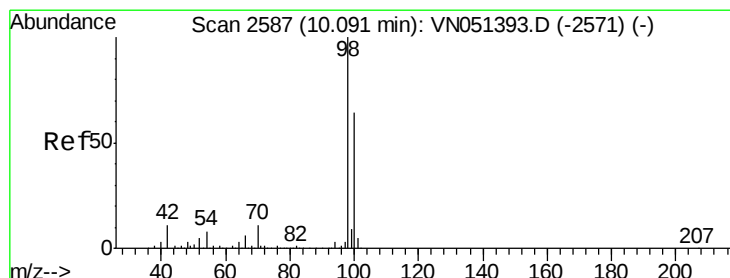


Abundance Ion 43.00 (42.70 to 43.70): VN051454.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN051454.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN051454.D (-1895) (-)

Time-->



#50

Toluene-d8

Concen: 46.541 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051454.D

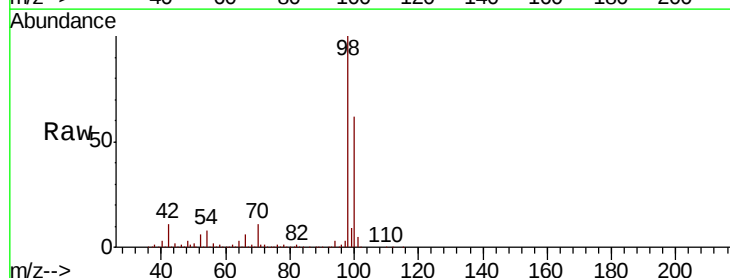
Acq: 24 Sep 2018 12:16

Tgt Ion: 98 Resp: 1373349

Ion Ratio Lower Upper

98 100

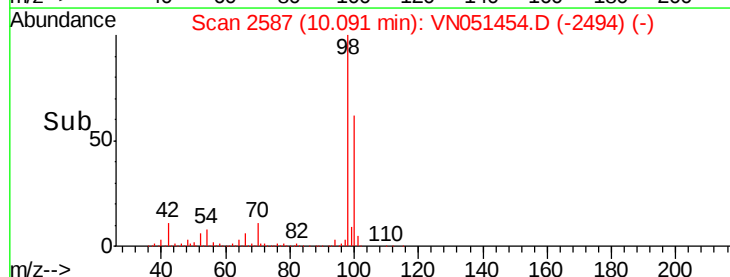
100 63.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051393.D (-2571) (-)

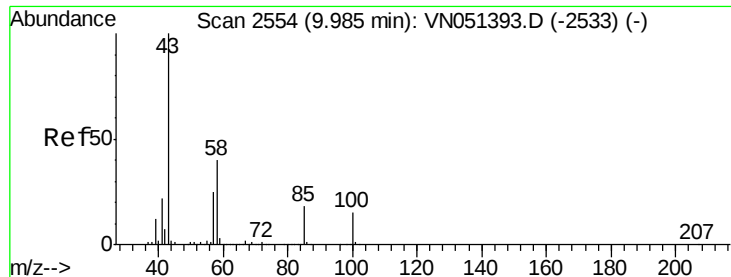
Time-->



Abundance Ion 98.00 (97.70 to 98.70): VN051454.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN051454.D (-2494) (-)

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.203 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051454.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

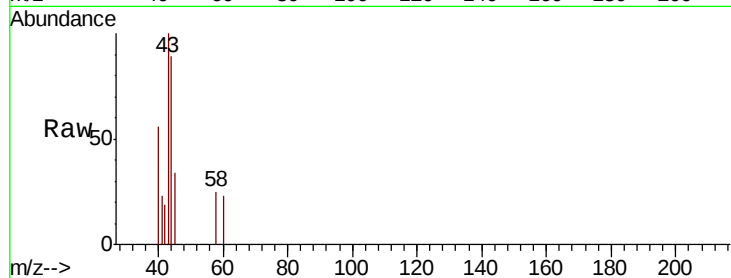
RA-BASELINE-WATER

Tot Ion: 43 Resp: 1316

Ion Ratio Lower Upper

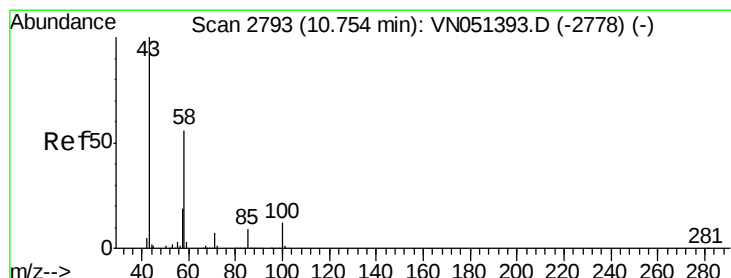
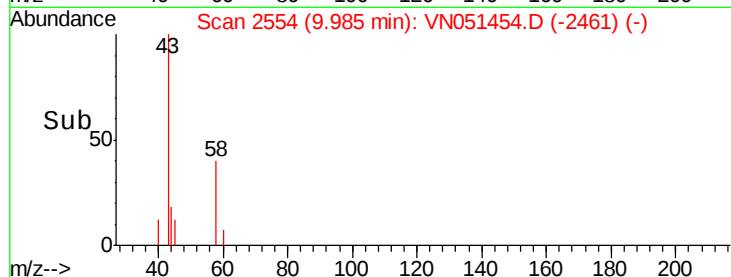
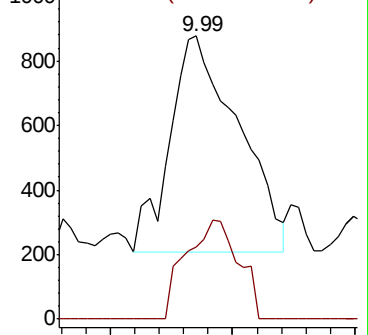
43 100

58 35.0 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 0.303 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN051454.D

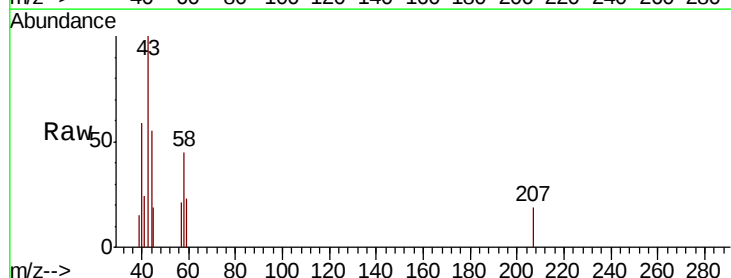
Acq: 24 Sep 2018 12:16

Tgt Ion: 43 Resp: 1274

Ion Ratio Lower Upper

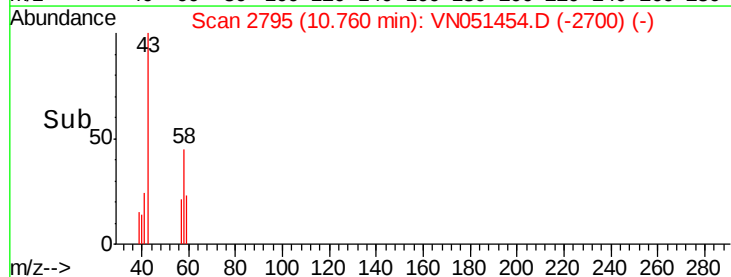
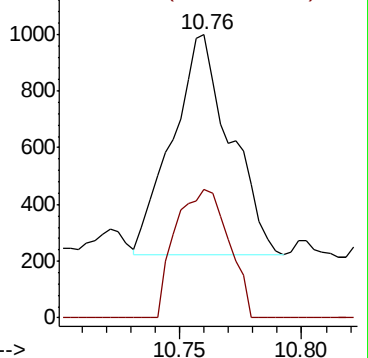
43 100

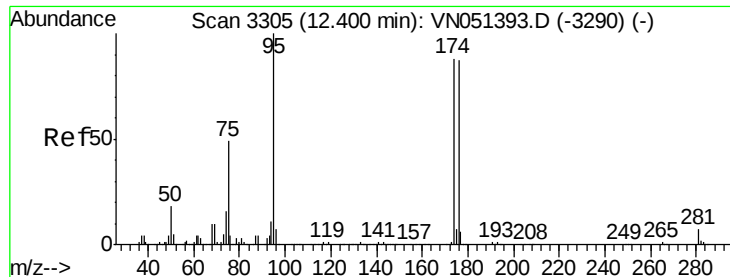
58 54.1 27.7 83.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 38.009 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051454.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

RA-BASELINE-WATER

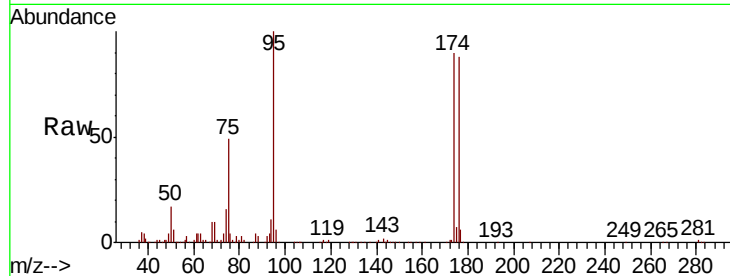
Tot Ion: 95 Resp: 362829

Ion Ratio Lower Upper

95 100

174 91.7 0.0 181.6

176 88.2 0.0 176.4

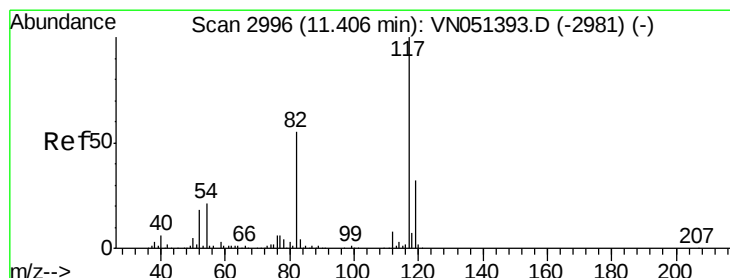
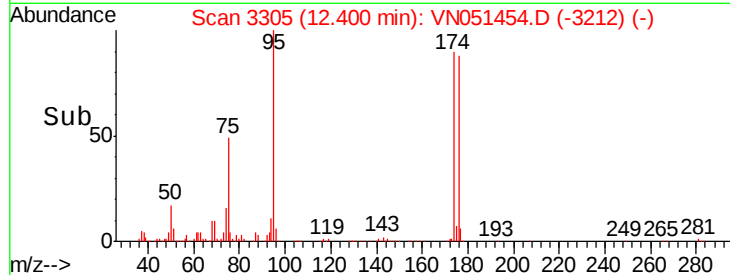


Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)

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: VN051454.D

Acq: 24 Sep 2018 12:16

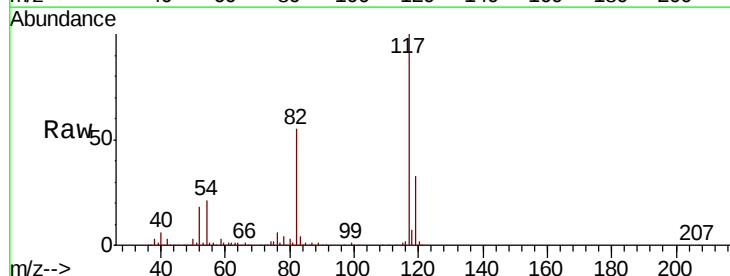
Tgt Ion: 117 Resp: 806252

Ion Ratio Lower Upper

117 100

82 55.0 44.2 66.2

119 32.7 25.9 38.9

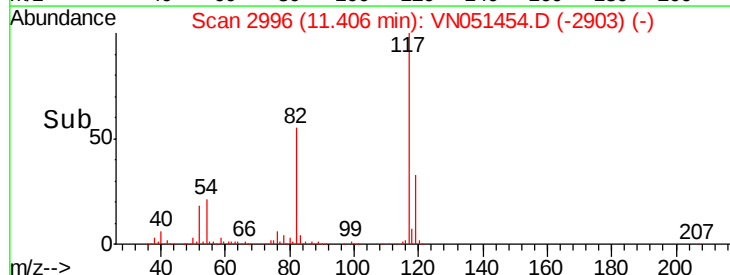


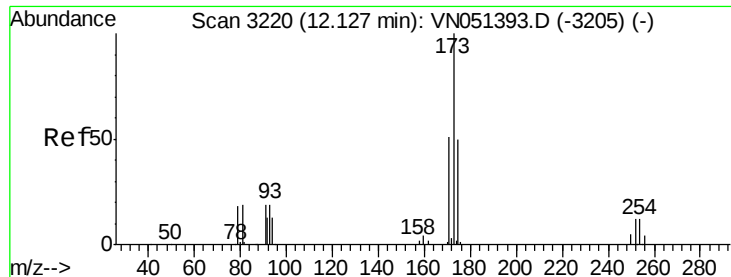
Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)

Time--> 11.30 11.40 11.50

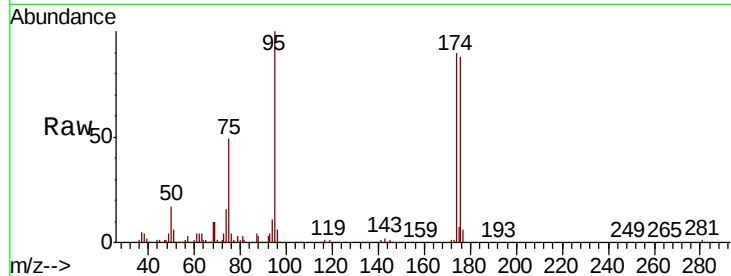




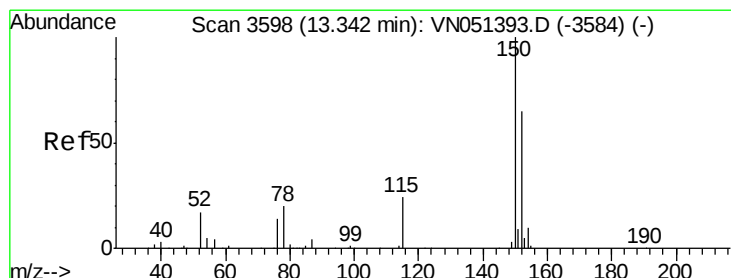
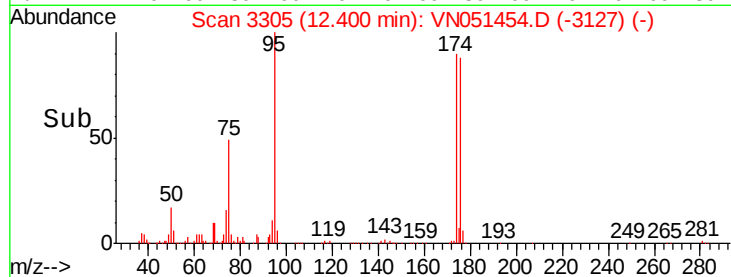
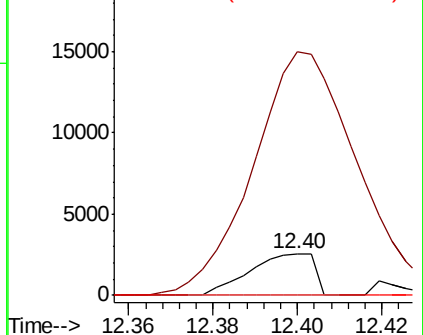
#71
Bromoform
Concen: 0.508 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051454.D
Acq: 24 Sep 2018 12:16

Instrument :
MSVOA_N
ClientSampleId :
RA-BASELINE-WATER

Tot Ion:173 Resp: 2715
Ion Ratio Lower Upper
173 100
175 804.1 24.8 74.3#
254 0.0 0.2 0.2#

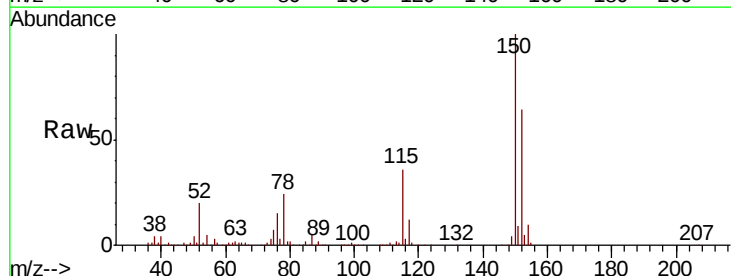


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

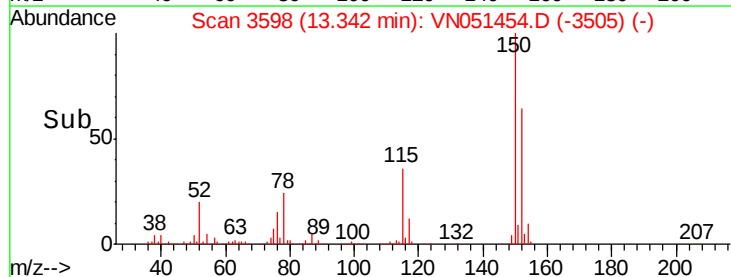
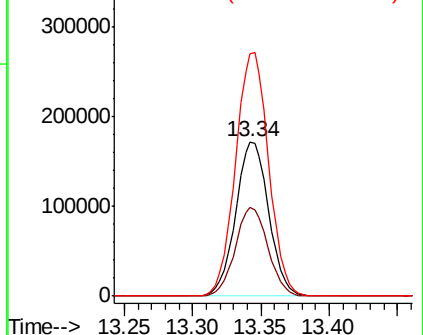


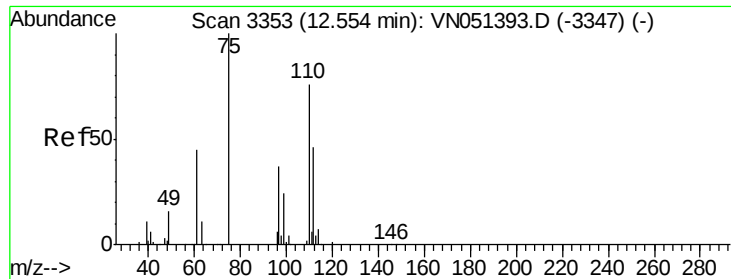
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051454.D
Acq: 24 Sep 2018 12:16

Tgt Ion:152 Resp: 286754
Ion Ratio Lower Upper
152 100
115 57.2 28.3 84.9
150 158.7 0.0 353.6



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: 37.403 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051454.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_N

ClientSampleId :

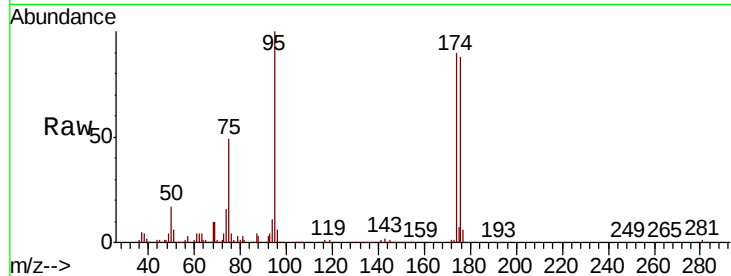
RA-BASELINE-WATER

Tot Ion: 75 Resp: 178051

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

120000

100000

80000

60000

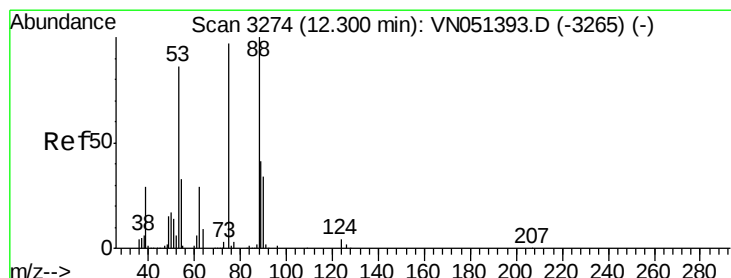
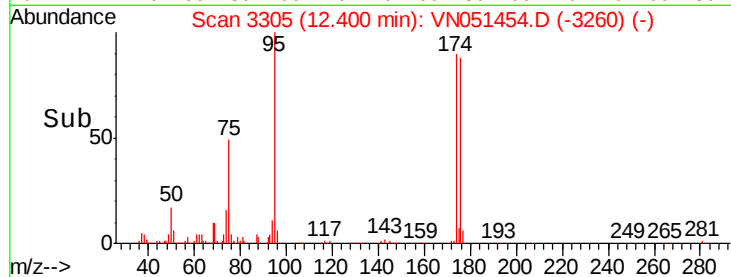
40000

20000

0

12.35 12.40 12.45 12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 115.013 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051454.D

Acq: 24 Sep 2018 12:16

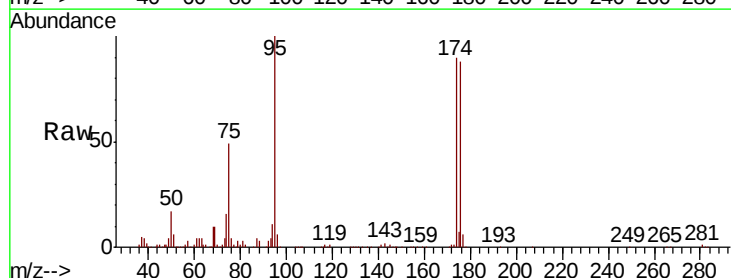
Tgt Ion: 75 Resp: 178051

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

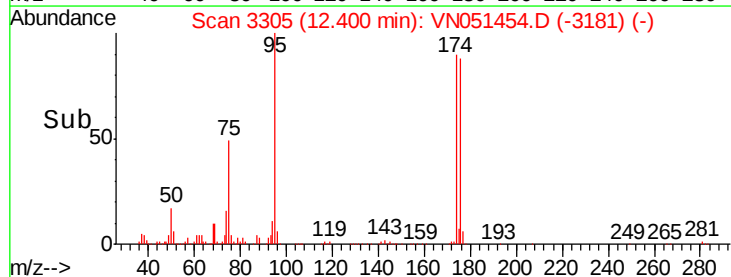
100000

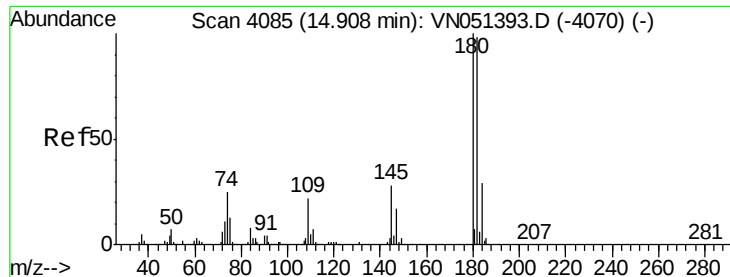
50000

0

12.35 12.40 12.45 12.50

Time-->

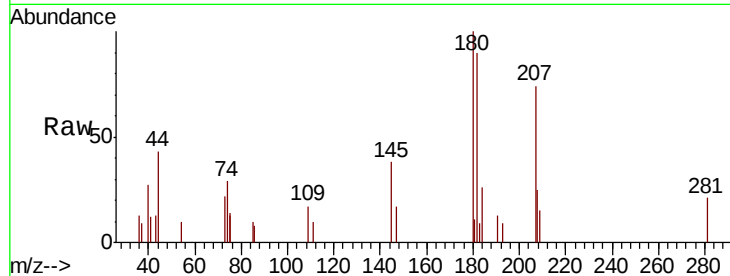




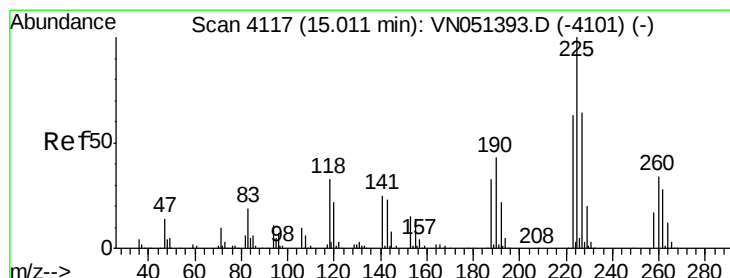
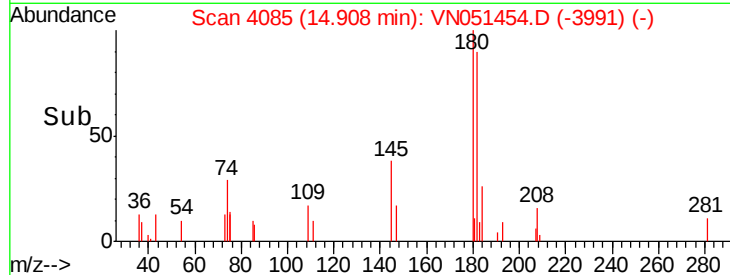
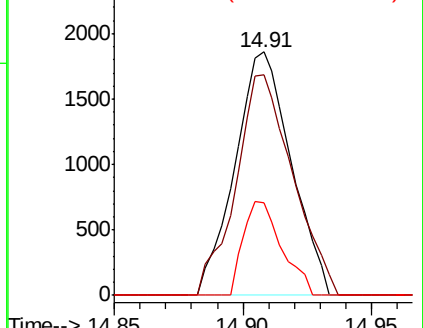
#93
 1,2,4-Trichlorobenzene
 Concen: 6.430 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051454.D
 Acq: 24 Sep 2018 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RA-BASELINE-WATER

Tot Ion:180 Resp: 2823
 Ion Ratio Lower Upper
 180 100
 182 91.8 48.5 145.6
 145 26.6 14.1 42.4

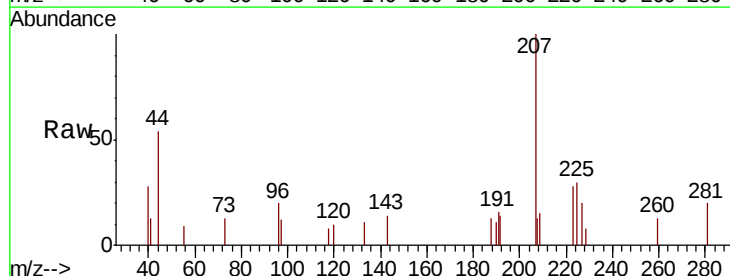


Abundance Ion 179.80 (179.50 to 180.50): V
 2500 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

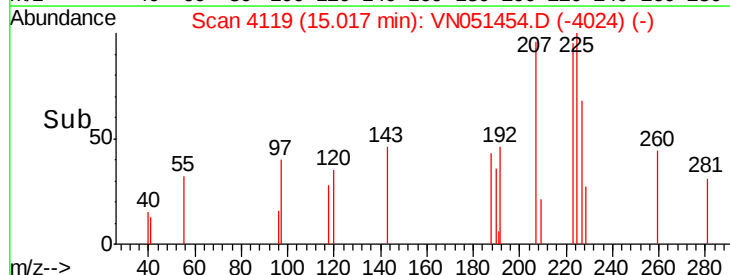
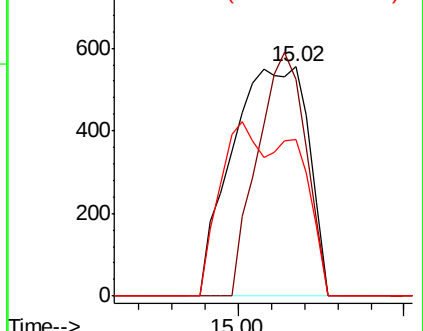


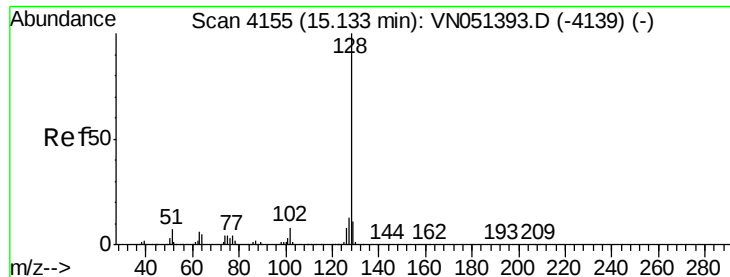
#94
 Hexachlorobutadiene
 Concen: 0.226 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN051454.D
 Acq: 24 Sep 2018 12:16

Tgt Ion:225 Resp: 881
 Ion Ratio Lower Upper
 225 100
 223 67.7 31.9 95.9
 227 42.7 32.5 97.5



Abundance Ion 224.70 (224.40 to 225.40): V
 800 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

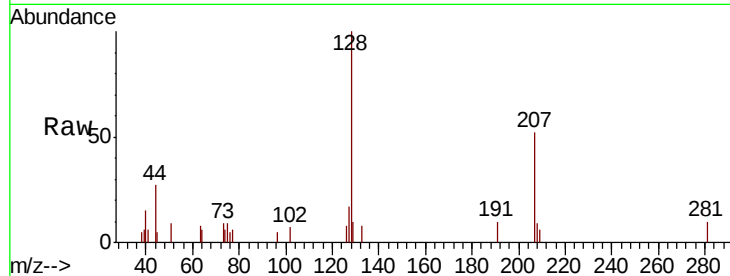




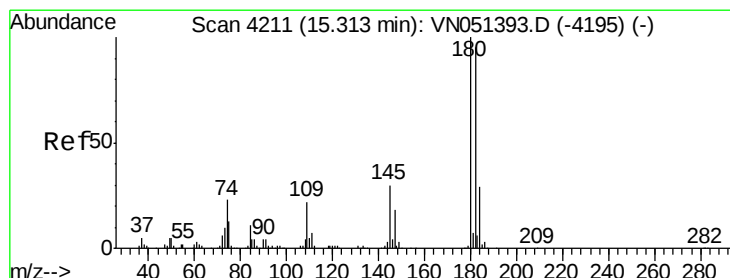
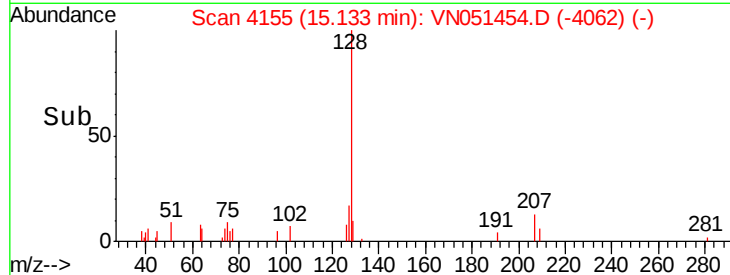
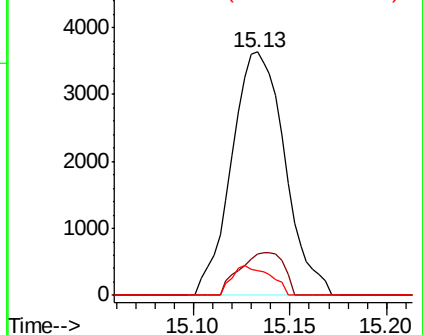
#95
Naphthalene
Concen: 8.591 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051454.D
Acq: 24 Sep 2018 12:16

Instrument :
MSVOA_N
ClientSampleId :
RA-BASELINE-WATER

Tot Ion:128 Resp: 6945
Ion Ratio Lower Upper
128 100
127 14.4 10.5 15.7
129 8.8 8.6 12.8

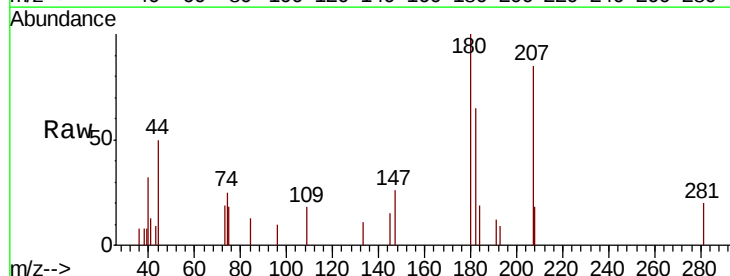


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.638 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051454.D
Acq: 24 Sep 2018 12:16

Tgt Ion:180 Resp: 3149
Ion Ratio Lower Upper
180 100
182 79.9 47.2 141.6
145 13.4 14.6 43.8#



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

