

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092618\
 Data File : VN051498.D
 Acq On : 25 Sep 2018 21:36
 Operator : MD\SY
 Sample : J5065-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-123

Quant Time: Sep 26 04:10:43 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	636683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	982619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	823438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	335038	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	444247	55.70	ug/l	0.00
Spiked Amount						
			Recovery	=	111.40%	
35) Dibromofluoromethane	7.59	113	385181	49.02	ug/l	0.00
Spiked Amount						
			Recovery	=	98.04%	
50) Toluene-d8	10.09	98	1388709	46.93	ug/l	0.00
Spiked Amount						
			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	12.40	95	391029	40.85	ug/l	0.00
Spiked Amount						
			Recovery	=	81.70%	

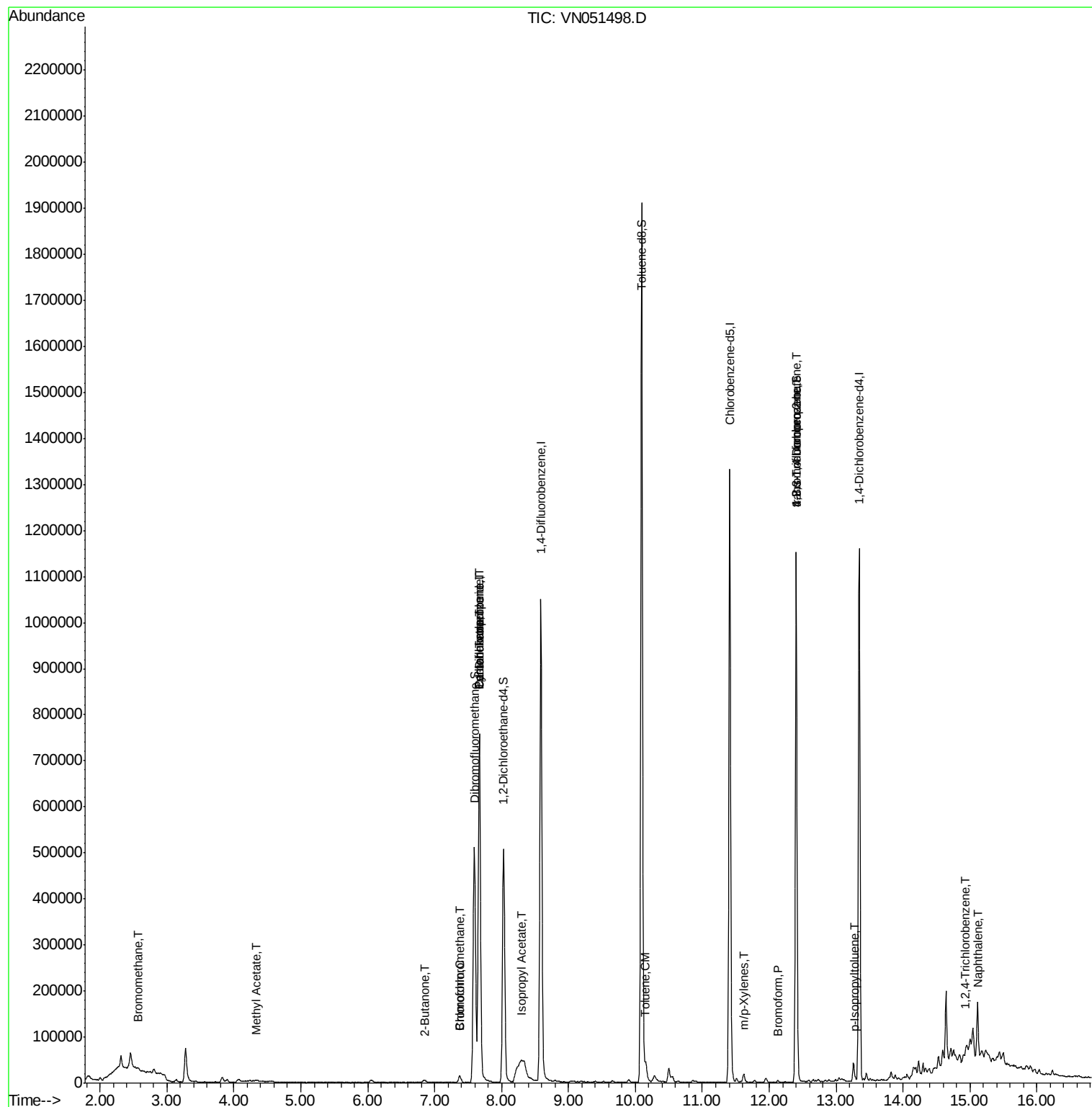
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1481	0.296	ug/l	91
16) Acetone	3.82	43	18542	Below Cal		95
18) Methyl Acetate	4.34	43	2872	0.473	ug/l #	64
25) 2-Butanone	6.85	43	6920	2.535	ug/l	94
28) Bromochloromethane	7.37	49	1319	0.208	ug/l #	12
30) Chloroform	7.37	83	15675	1.154	ug/l	97
31) Cyclohexane	7.66	56	12348	0.983	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46009	4.043	ug/l #	49
38) Carbon Tetrachloride	7.67	117	58081	4.880	ug/l #	16
43) Isopropyl Acetate	8.30	43	83856	7.088	ug/l #	60
52) Toluene	10.16	92	11621	0.560	ug/l	99
68) m/p-Xylenes	11.62	106	5674	0.412	ug/l	100
71) Bromoform	12.12	173	1114	0.204	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	188340	33.863	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	188340	104.126	ug/l #	13
86) p-Isopropyltoluene	13.29	119	5067	0.211	ug/l #	70
93) 1,2,4-Trichlorobenzene	14.91	180	669	6.073	ug/l #	86
95) Naphthalene	15.14	128	1509	8.146	ug/l #	78

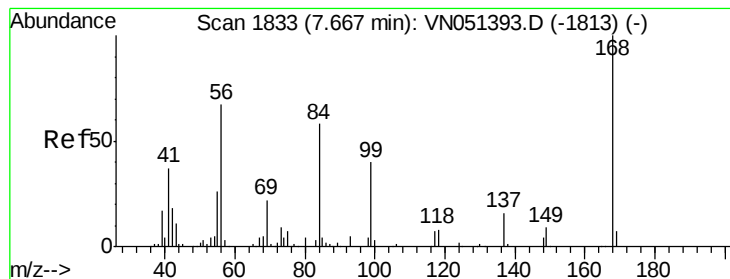
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092618\
Data File : VN051498.D
Acq On : 25 Sep 2018 21:36
Operator : MD\SY
Sample : J5065-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MH-123

Quant Time: Sep 26 04:10:43 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: VN051498.D

Acq: 25 Sep 2018 21:36

Instrument :

MSVOA_N

ClientSampleId :

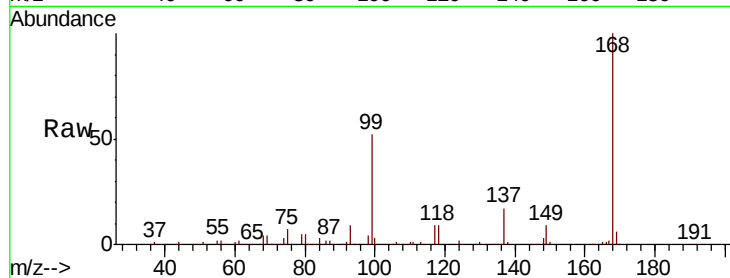
MH-123

Tot Ion:168 Resp: 636683

Ion Ratio Lower Upper

168 100

99 51.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

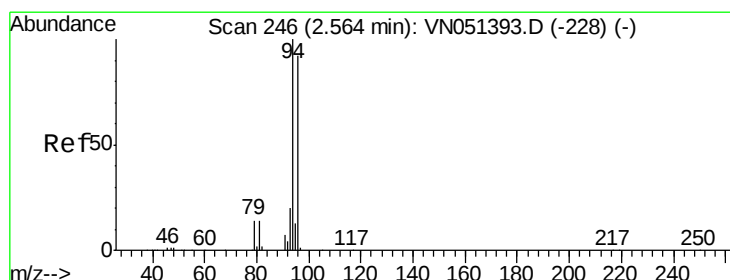
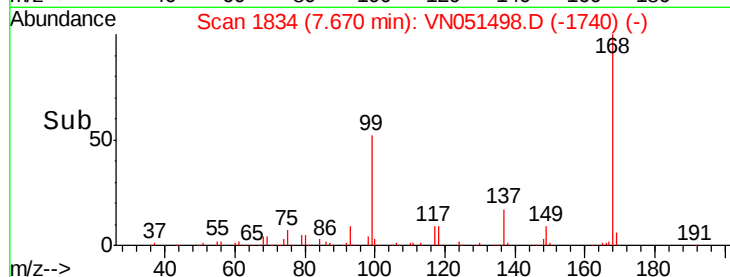
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.296 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051498.D

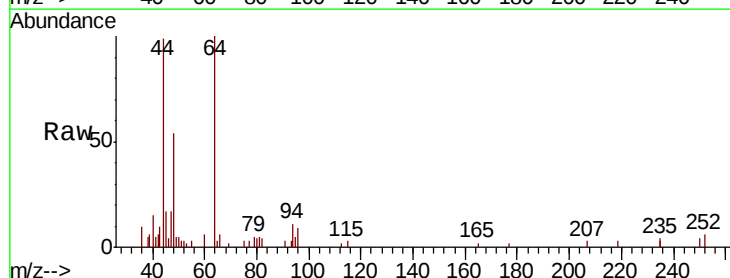
Acq: 25 Sep 2018 21:36

Tgt Ion: 94 Resp: 1481

Ion Ratio Lower Upper

94 100

96 83.4 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

800

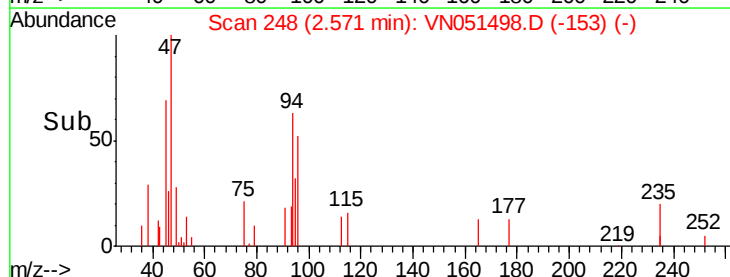
600

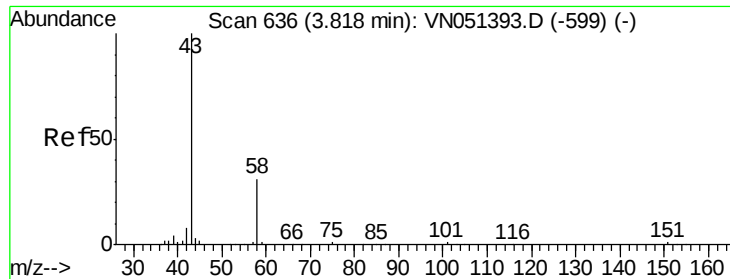
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051498.D

Acq: 25 Sep 2018 21:36

Instrument :

MSVOA_N

ClientSampleId :

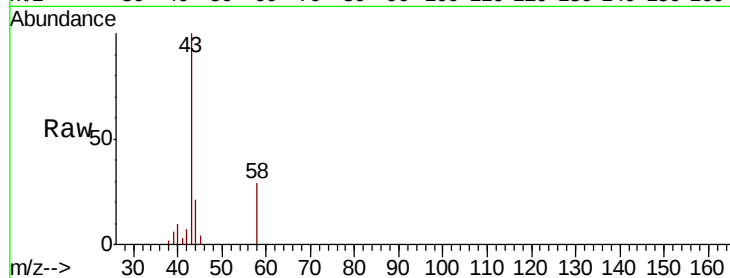
MH-123

Tot Ion: 43 Resp: 18542

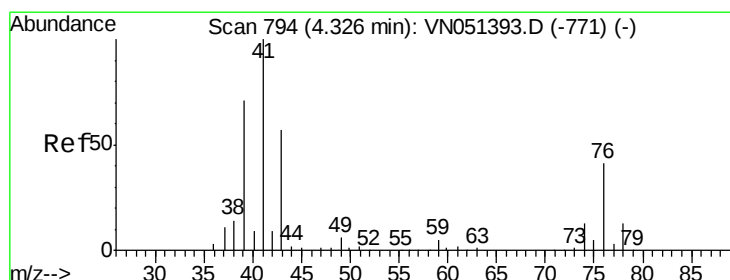
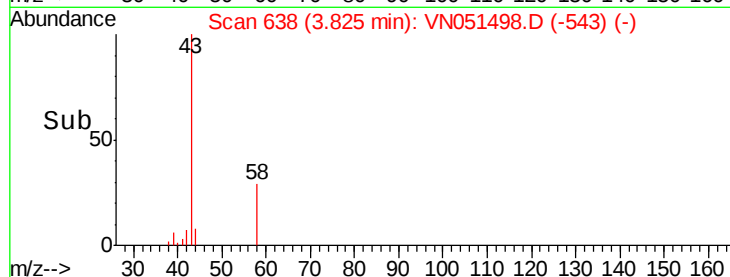
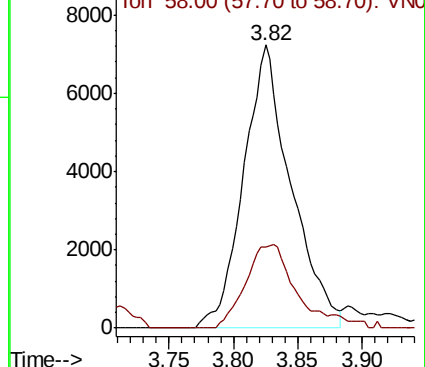
Ion Ratio Lower Upper

43 100

58 28.5 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-599) (-)



#18

Methyl Acetate

Concen: 0.473 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051498.D

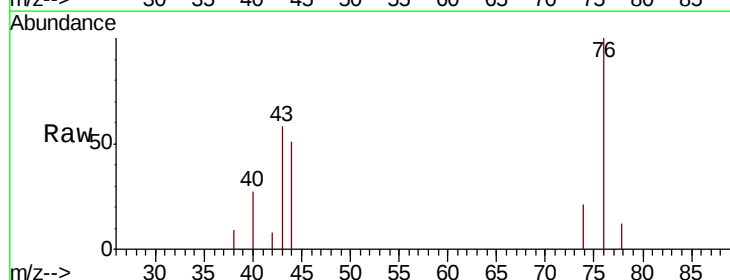
Acq: 25 Sep 2018 21:36

Tgt Ion: 43 Resp: 2872

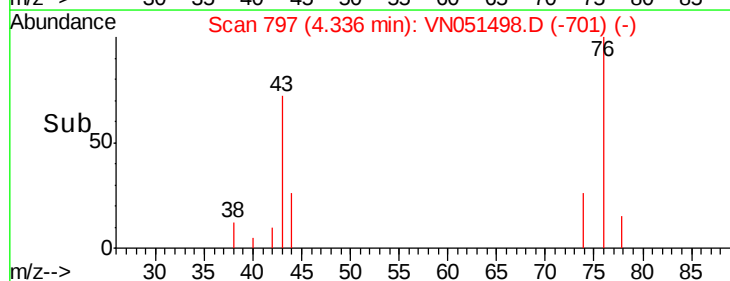
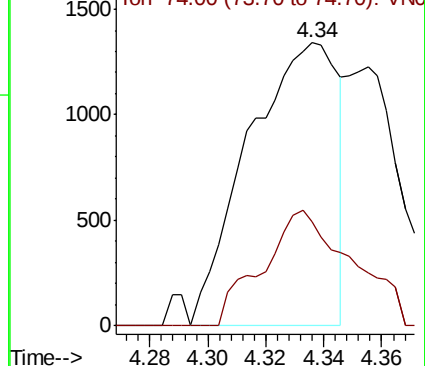
Ion Ratio Lower Upper

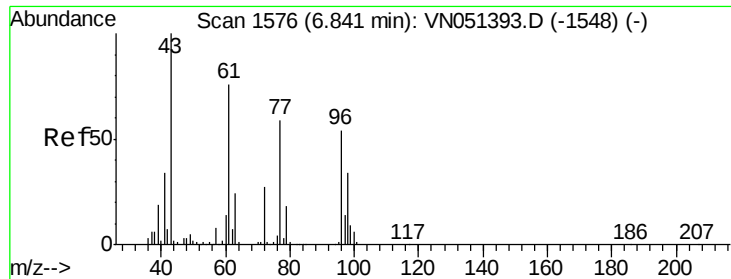
43 100

74 41.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-771) (-)





#25

2-Butanone

Concen: 2.535 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN051498.D

Acq: 25 Sep 2018 21:36

Instrument :

MSVOA_N

ClientSampled :

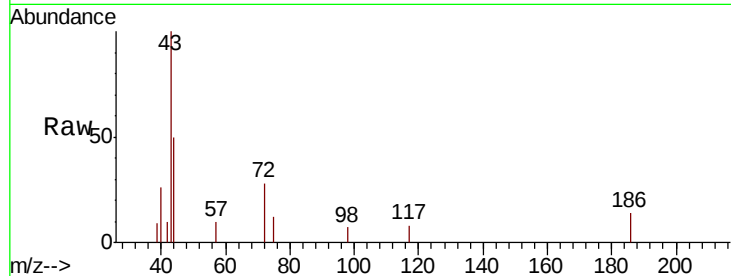
MH-123

Tot Ion: 43 Resp: 6920

Ion Ratio Lower Upper

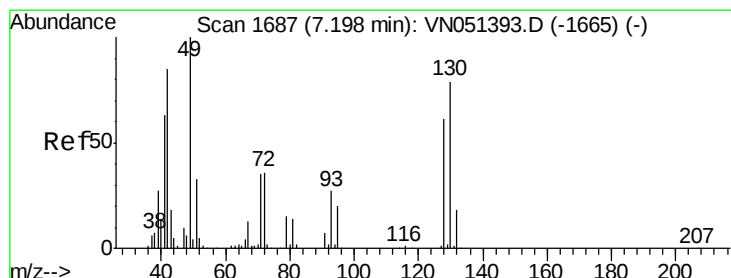
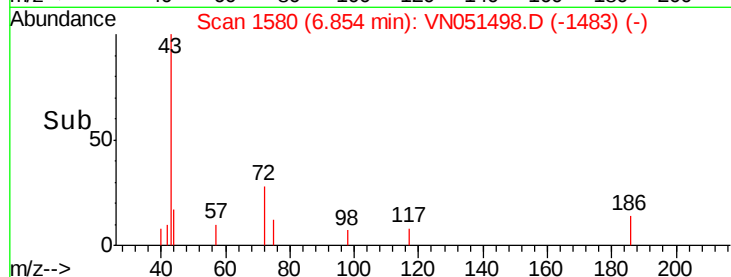
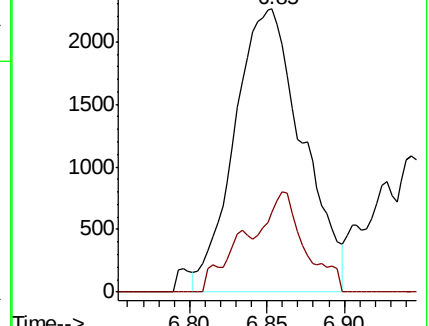
43 100

72 30.2 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1548) (-)

Ion 72.00 (71.70 to 72.70): VN051393.D (-1548) (-)



#28

Bromochloromethane

Concen: 0.208 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.17 min

Lab File: VN051498.D

Acq: 25 Sep 2018 21:36

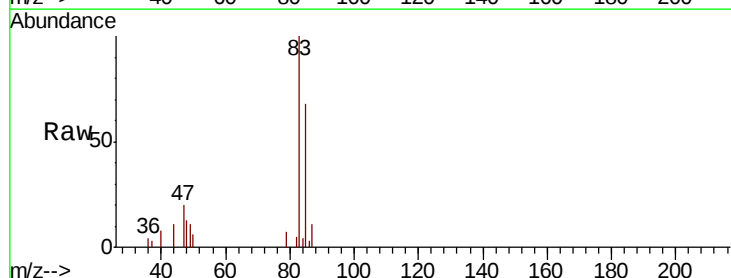
Tgt Ion: 49 Resp: 1319

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

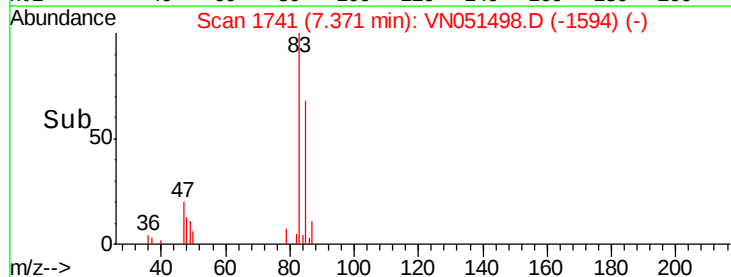
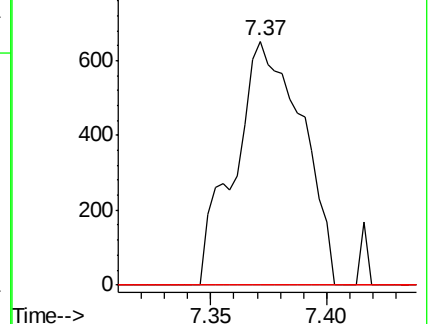
130 0.0 63.0 94.4#

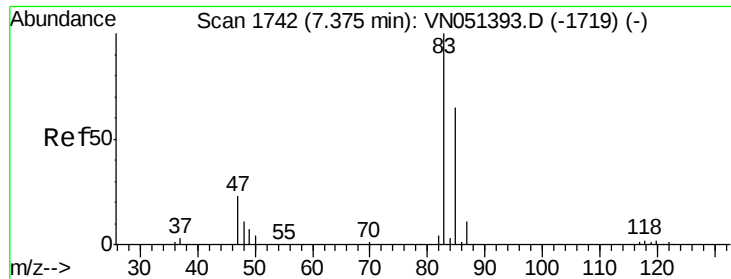


Abundance Ion 48.90 (48.60 to 49.60): VN051393.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051393.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051393.D (-1665) (-)

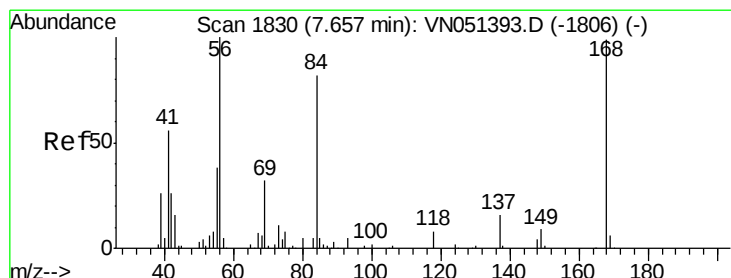
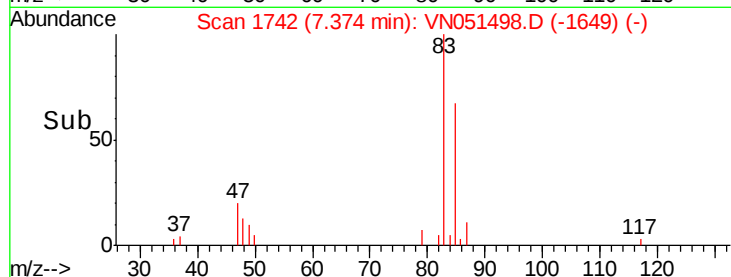
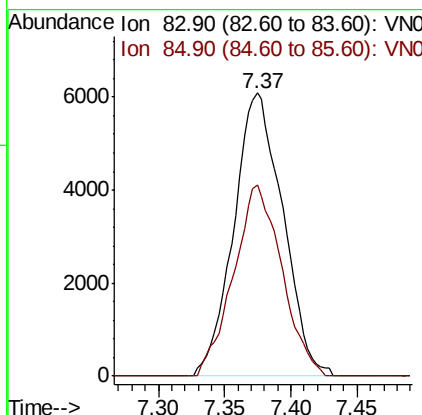
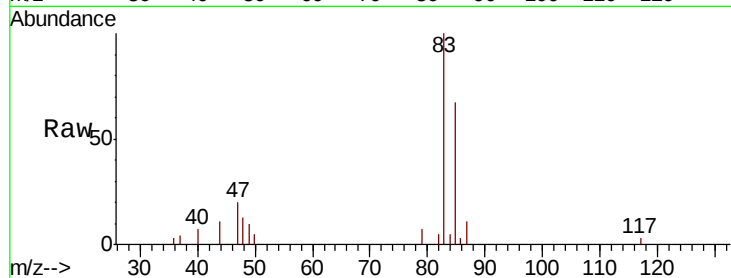




#30
Chloroform
Concen: 1.154 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051498.D
Acq: 25 Sep 2018 21:36

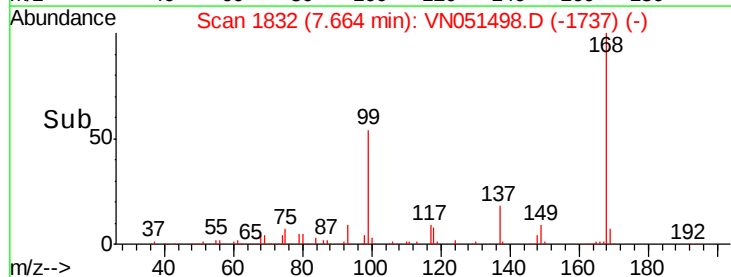
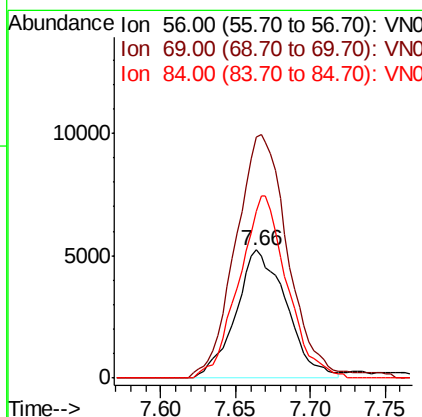
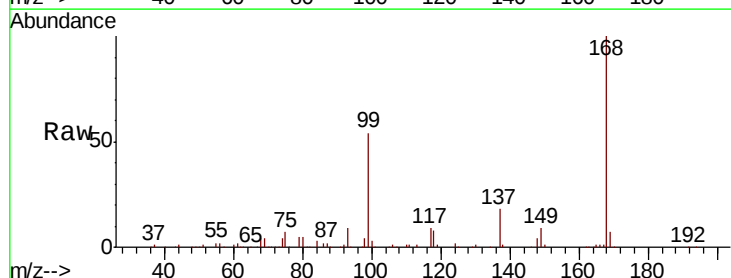
Instrument :
MSVOA_N
ClientSampleId :
MH-123

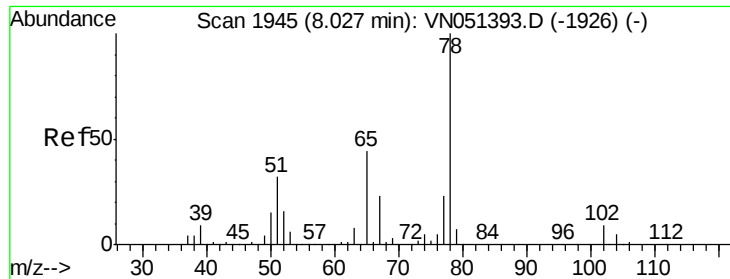
Tot Ion: 83 Resp: 15675
Ion Ratio Lower Upper
83 100
85 67.4 51.8 77.6



#31
Cyclohexane
Concen: 0.983 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051498.D
Acq: 25 Sep 2018 21:36

Tgt Ion: 56 Resp: 12348
Ion Ratio Lower Upper
56 100
69 187.4 25.8 38.6#
84 129.5 66.0 99.0#

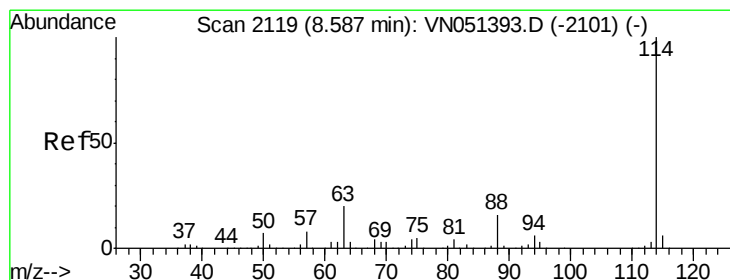
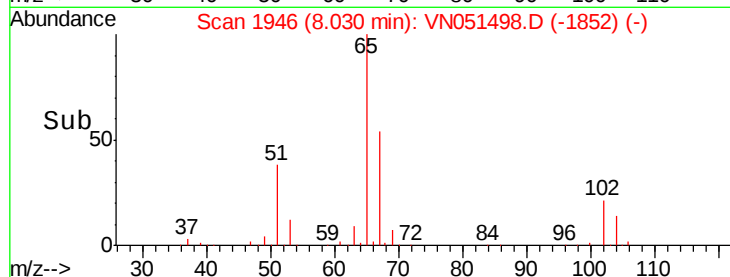
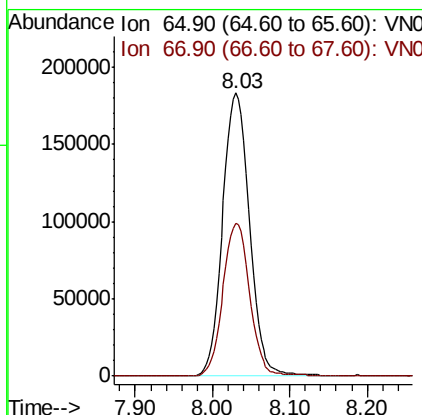
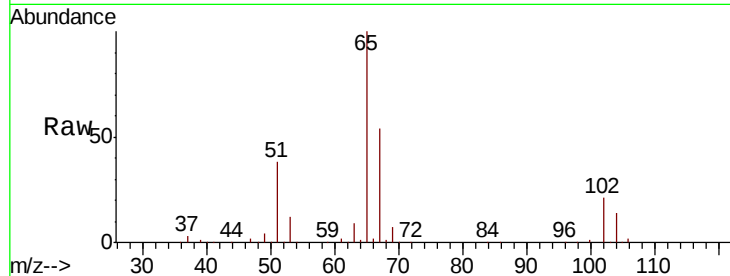




#33
 1,2-Dichloroethane-d4
 Concen: 55.701 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051498.D
 Acq: 25 Sep 2018 21:36

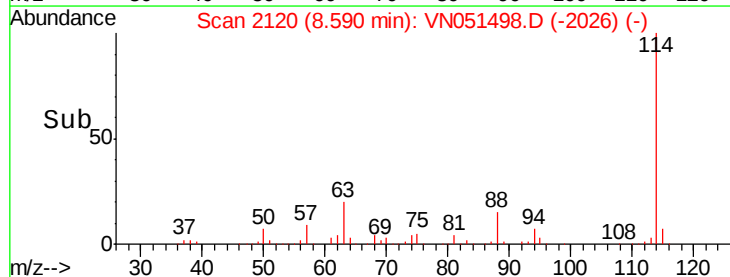
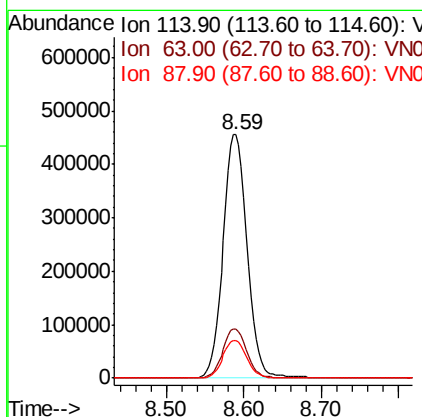
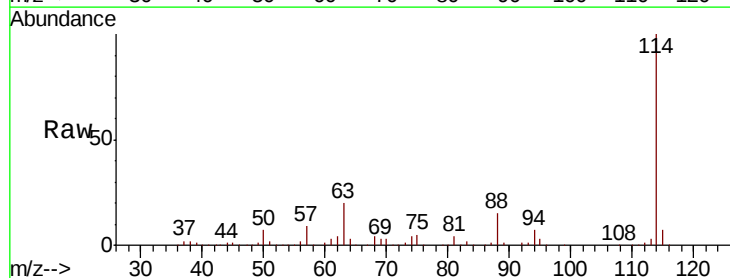
Instrument :
 MSVOA_N
 ClientSampled :
 MH-123

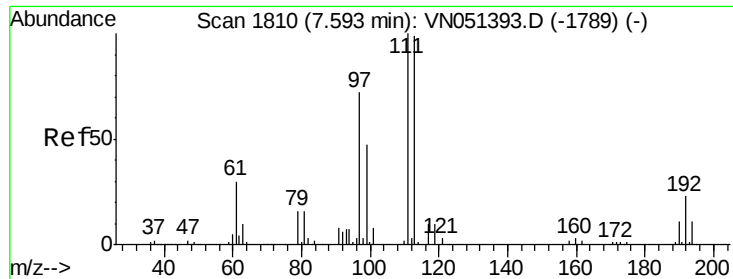
Tot Ion: 65 Resp: 444247
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051498.D
 Acq: 25 Sep 2018 21:36

Tgt Ion: 114 Resp: 982619
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 15.5 0.0 31.4

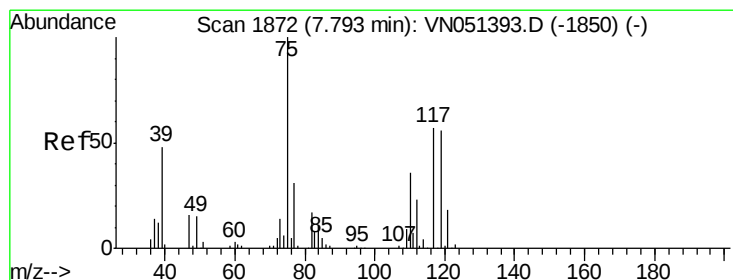
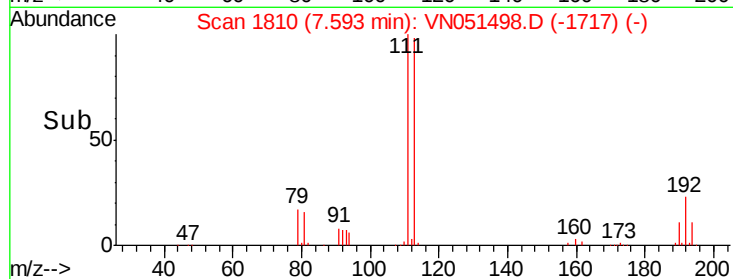
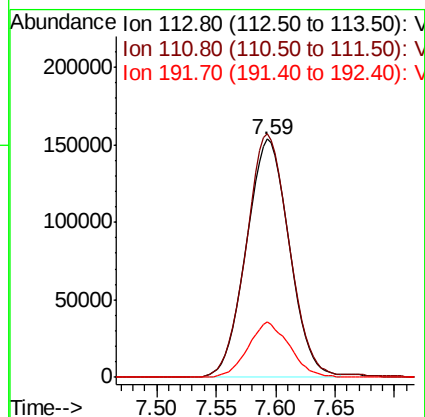
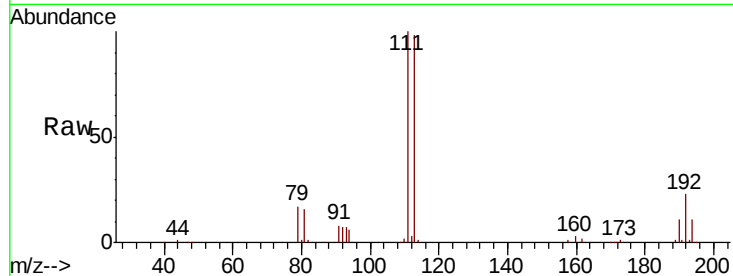




#35
 Dibromofluoromethane
 Concen: 49.020 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051498.D
 Acq: 25 Sep 2018 21:36

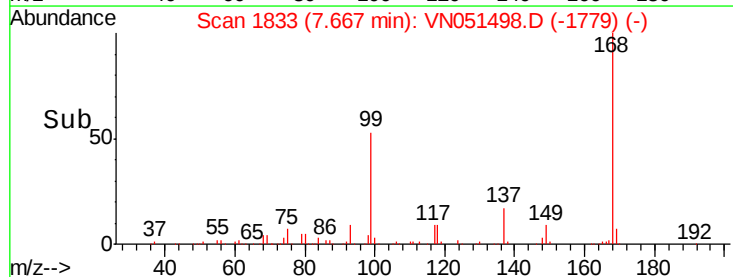
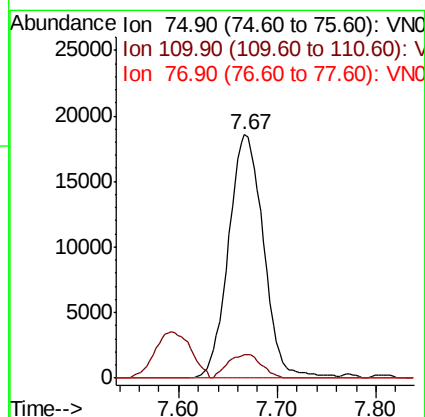
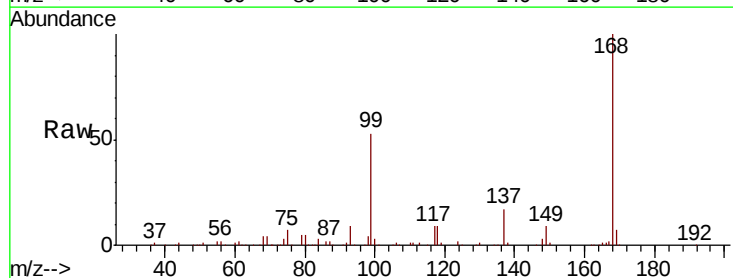
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-123

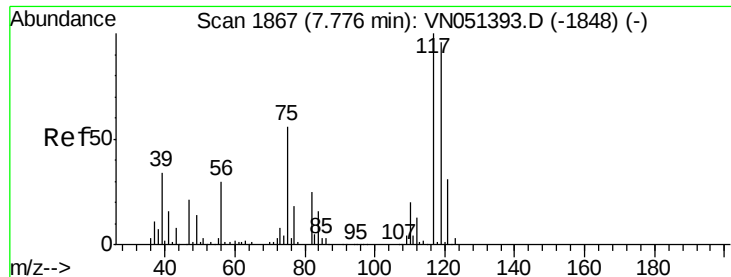
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	22.5	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 4.043 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051498.D
 Acq: 25 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.880 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051498.D

Acq: 25 Sep 2018 21:36

Instrument :

MSVOA_N

ClientSampled :

MH-123

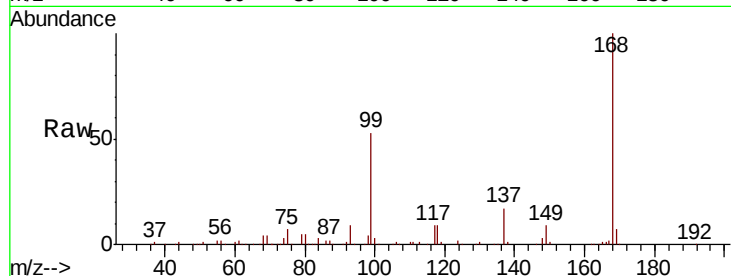
Tot Ion:117 Resp: 58081

Ion Ratio Lower Upper

117 100

119 5.9 76.9 115.3#

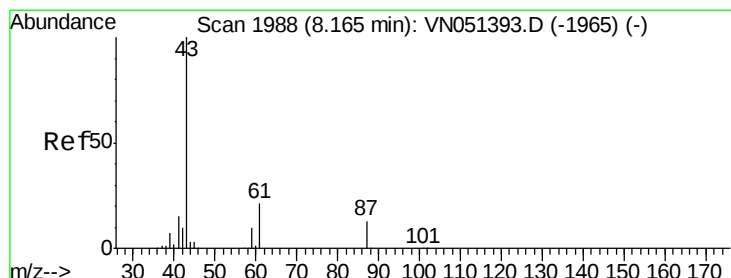
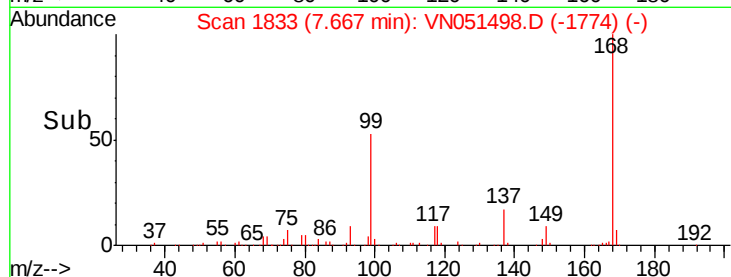
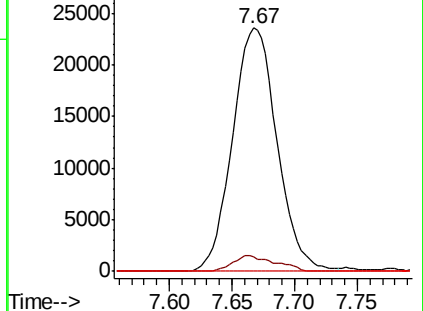
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 7.088 ug/l

RT: 8.30 min Scan# 2029

Delta R.T. 0.13 min

Lab File: VN051498.D

Acq: 25 Sep 2018 21:36

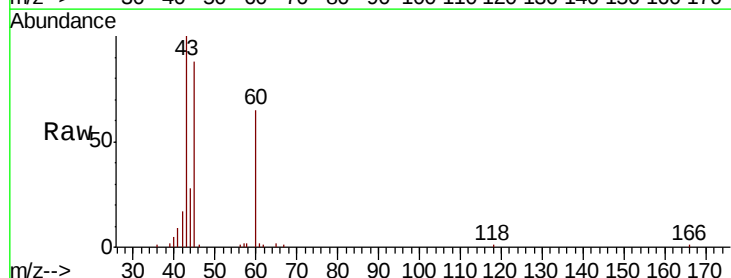
Tgt Ion: 43 Resp: 83856

Ion Ratio Lower Upper

43 100

61 0.6 16.8 25.2#

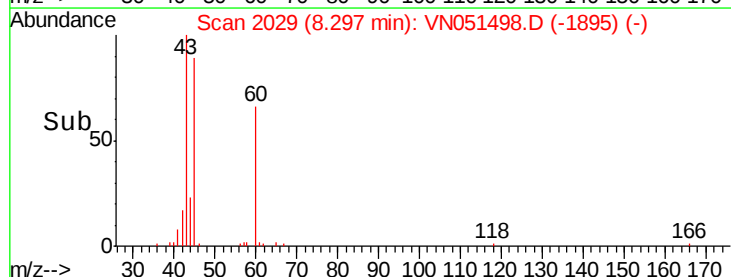
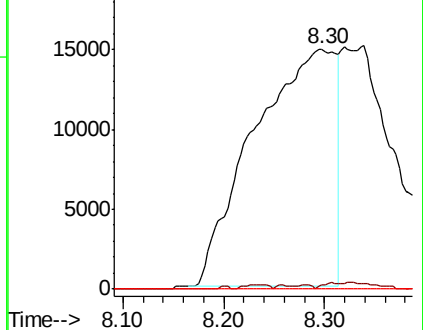
87 0.0 10.7 16.1#

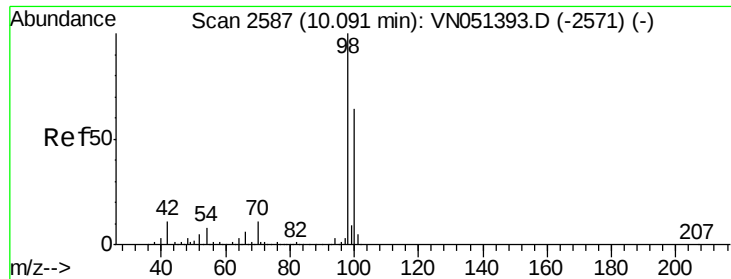


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

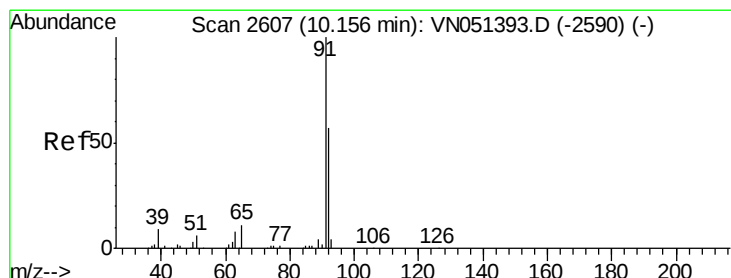
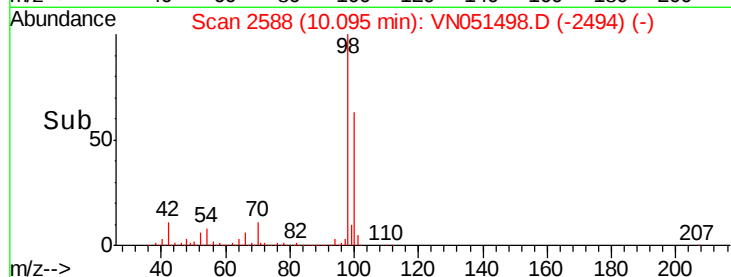
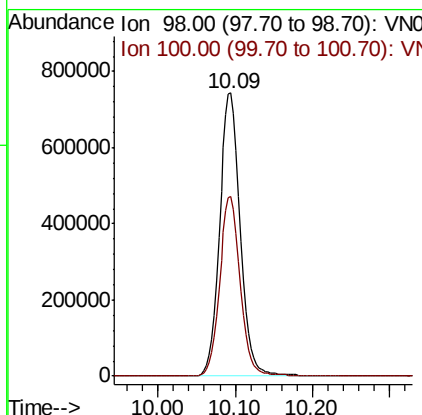
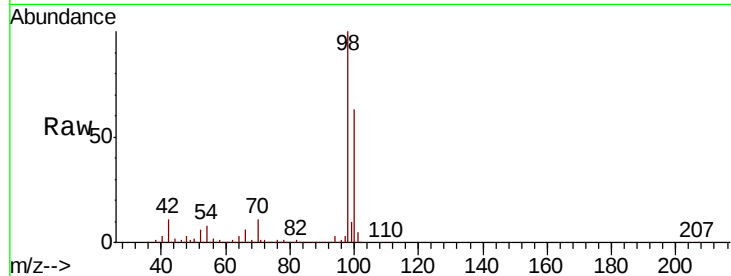




#50
Toluene-d8
Concen: 46.934 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN051498.D
Acq: 25 Sep 2018 21:36

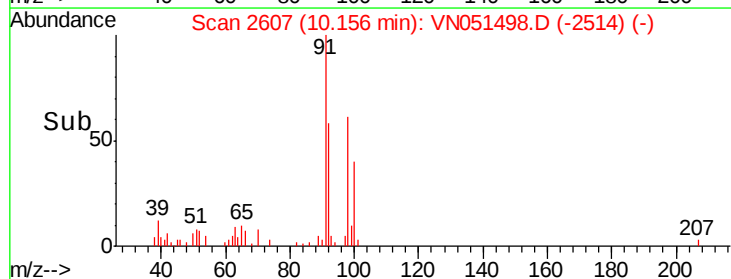
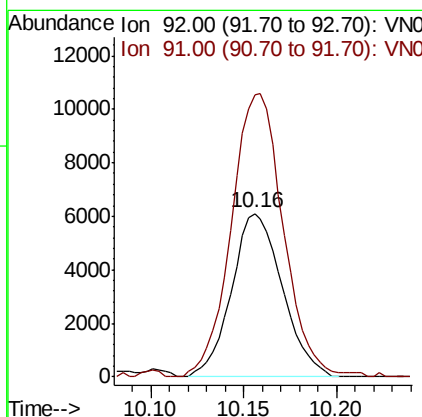
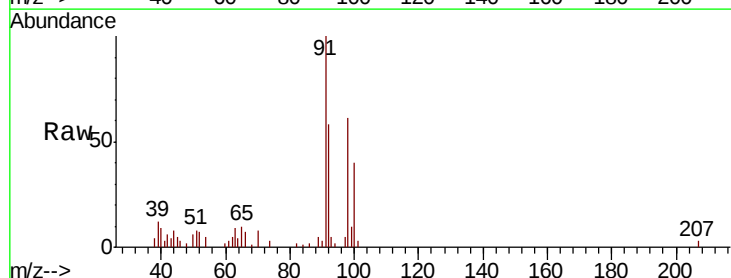
Instrument :
MSVOA_N
ClientSampleId :
MH-123

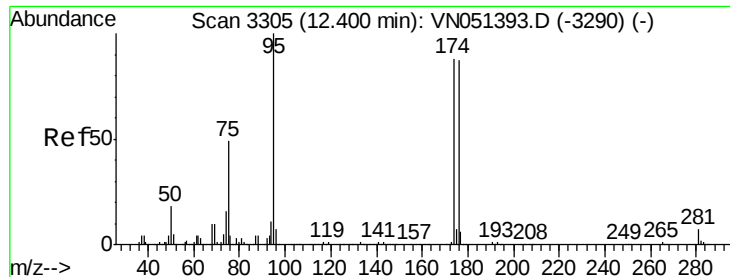
Tot Ion: 98 Resp: 1388709
Ion Ratio Lower Upper
98 100
100 63.1 50.6 75.8



#52
Toluene
Concen: 0.560 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051498.D
Acq: 25 Sep 2018 21:36

Tgt Ion: 92 Resp: 11621
Ion Ratio Lower Upper
92 100
91 176.1 142.2 213.4





#62

4-Bromofluorobenzene

Concen: 40.852 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051498.D

Acq: 25 Sep 2018 21:36

Instrument :

MSVOA_N

ClientSampled :

MH-123

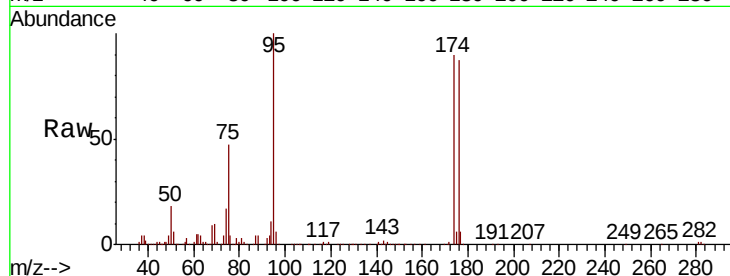
Tot Ion: 95 Resp: 391029

Ion Ratio Lower Upper

95 100

174 90.4 0.0 181.6

176 86.5 0.0 176.4

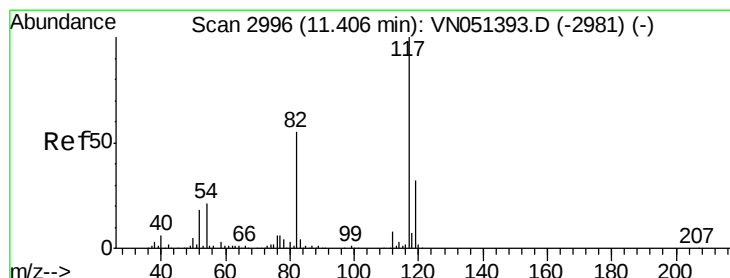
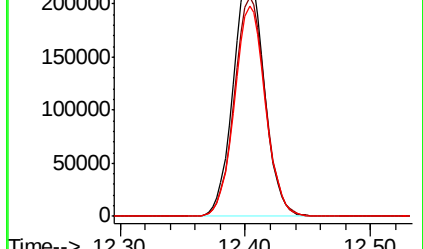
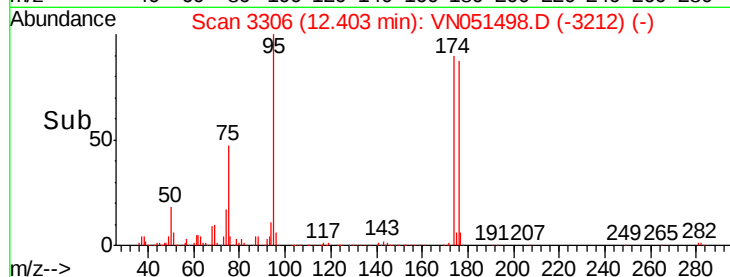


Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

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# 2997

Delta R.T. 0.00 min

Lab File: VN051498.D

Acq: 25 Sep 2018 21:36

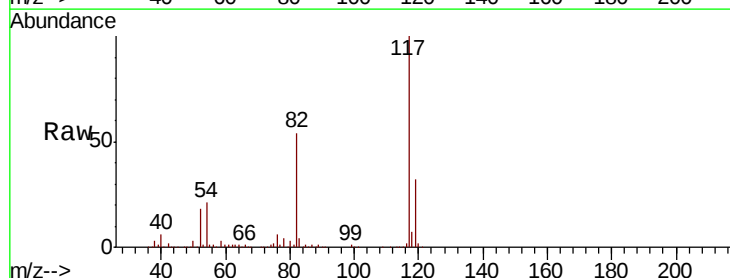
Tgt Ion: 117 Resp: 823438

Ion Ratio Lower Upper

117 100

82 54.4 44.2 66.2

119 31.7 25.9 38.9

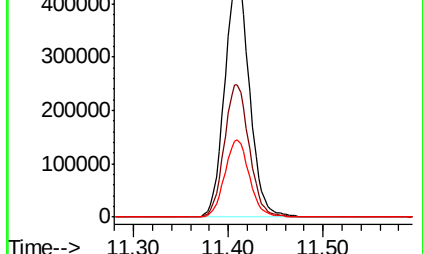
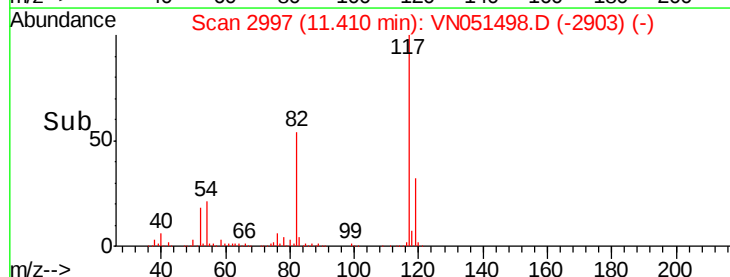


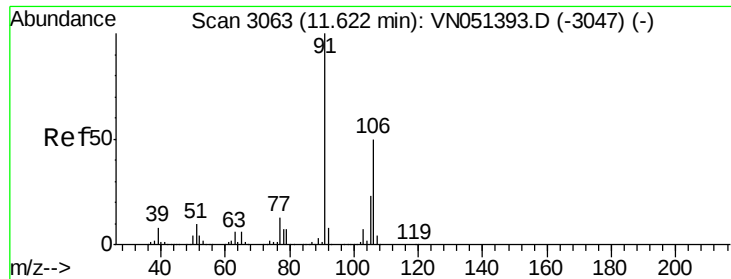
Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

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

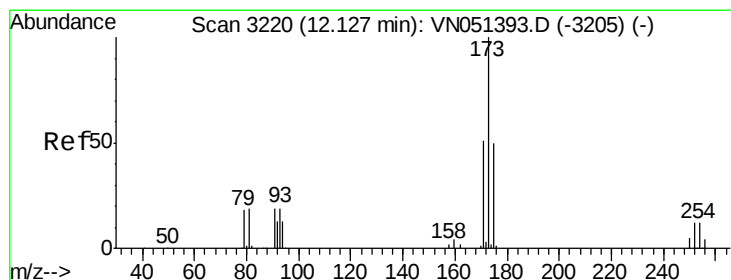
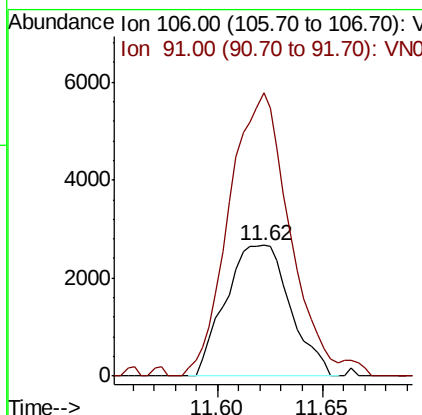
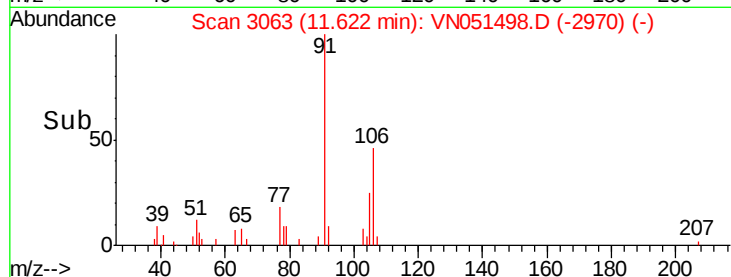
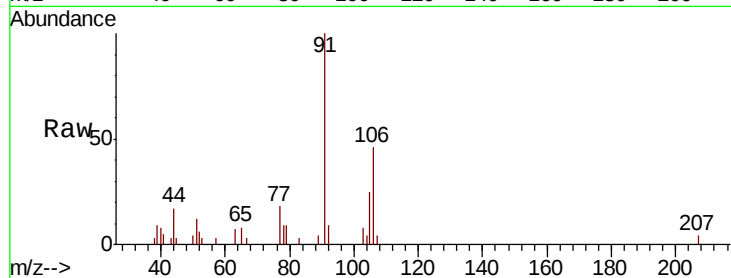




#68
m/p-Xvlenes
Concen: 0.412 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051498.D
Acq: 25 Sep 2018 21:36

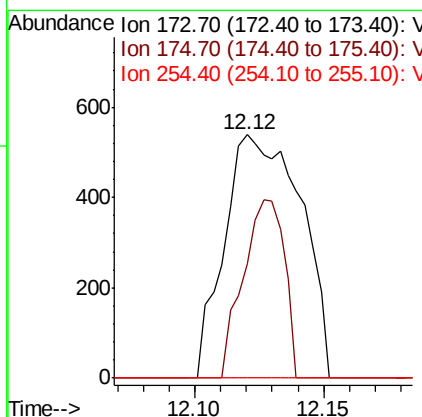
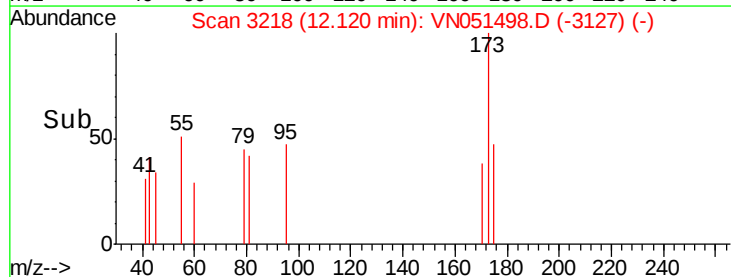
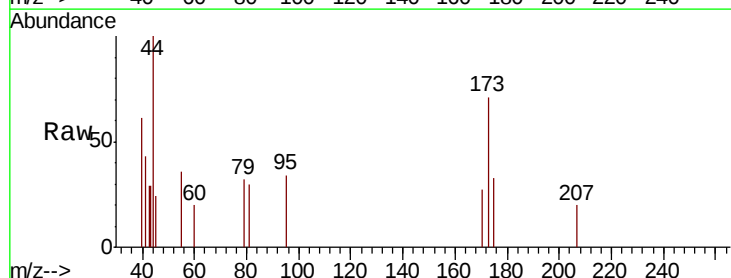
Instrument :
MSVOA_N
ClientSampled :
MH-123

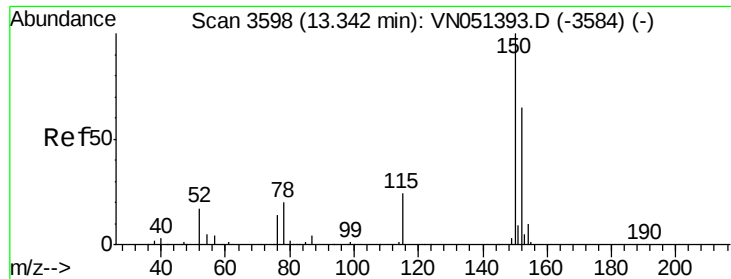
Tot Ion:106 Resp: 5674
Ion Ratio Lower Upper
106 100
91 201.7 161.3 241.9



#71
Bromoform
Concen: 0.204 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.01 min
Lab File: VN051498.D
Acq: 25 Sep 2018 21:36

Tgt Ion:173 Resp: 1114
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.3#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051498.D

Acq: 25 Sep 2018 21:36

Instrument :

MSVOA_N

ClientSampled :

MH-123

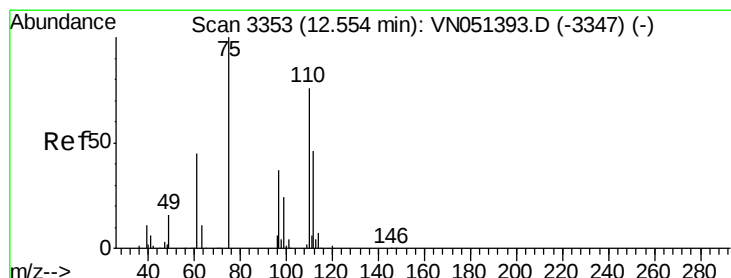
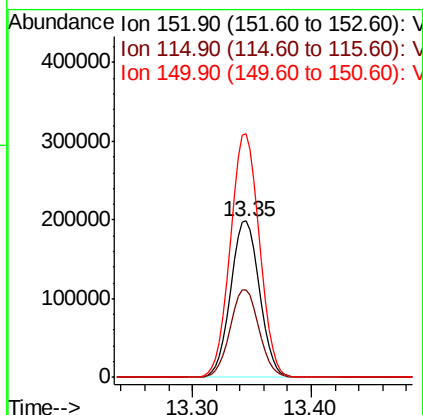
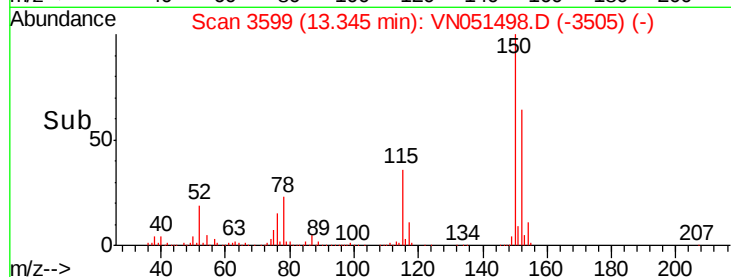
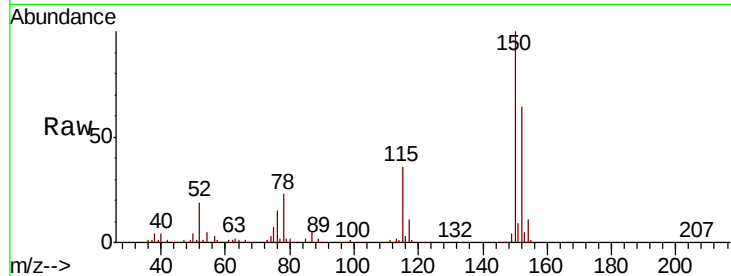
Tot Ion:152 Resp: 335038

Ion Ratio Lower Upper

152 100

115 56.1 28.3 84.9

150 156.7 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 33.863 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051498.D

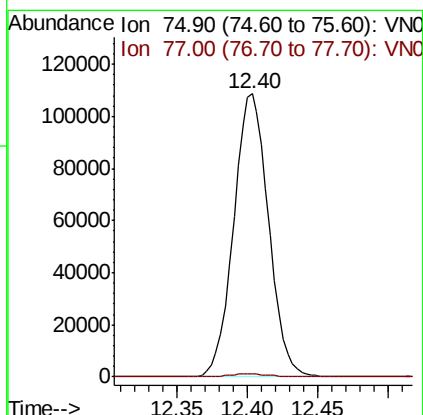
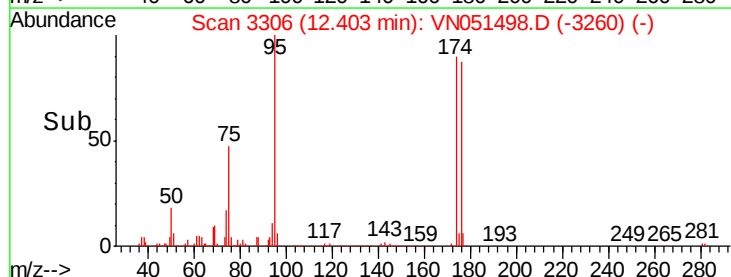
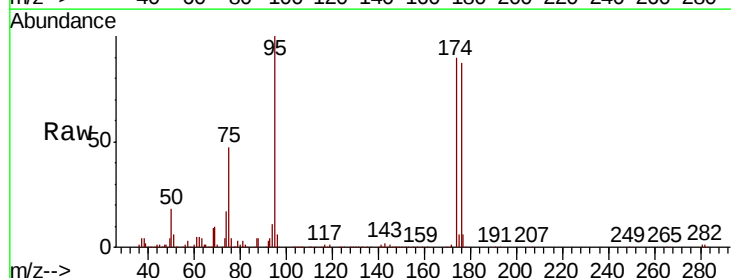
Acq: 25 Sep 2018 21:36

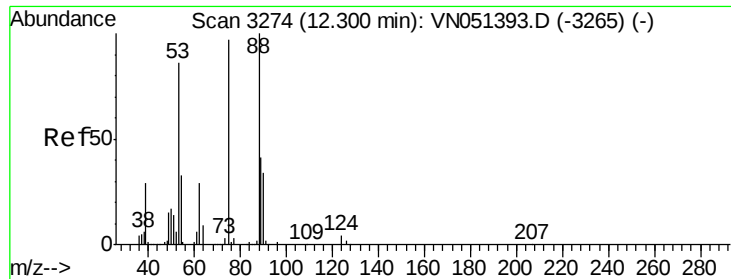
Tgt Ion: 75 Resp: 188340

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

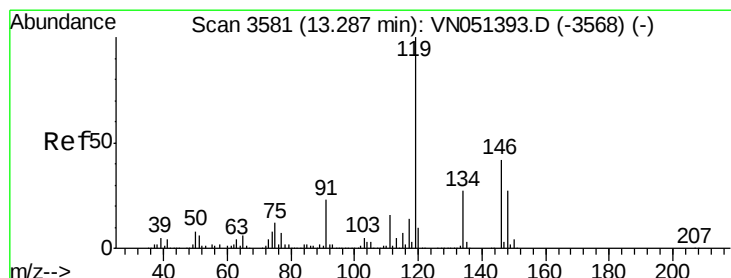
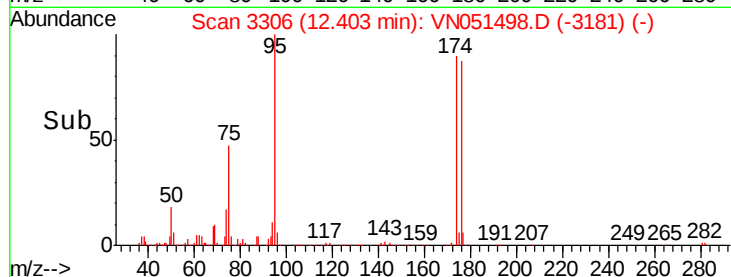
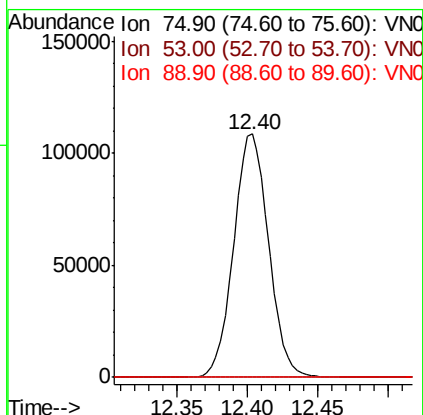
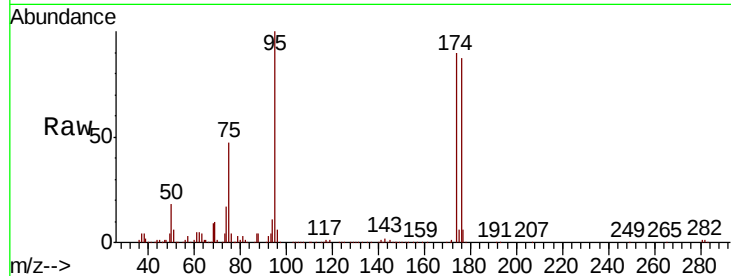




#81
trans-1,4-Dichloro-2-butene
Concen: 104.126 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051498.D
Acq: 25 Sep 2018 21:36

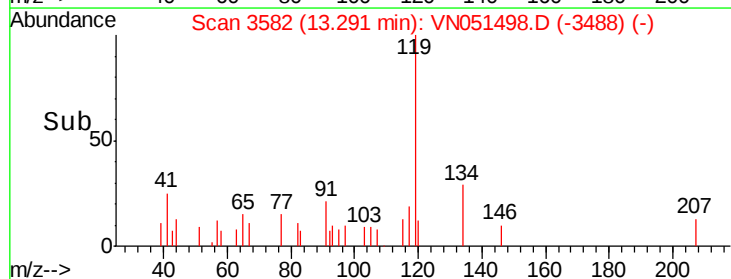
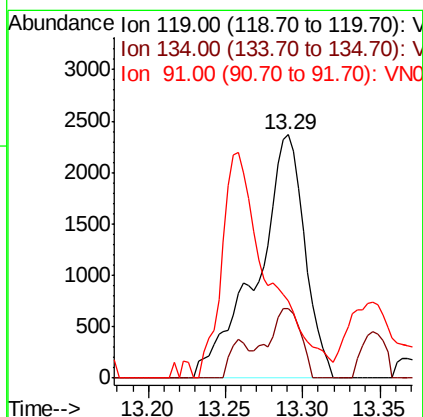
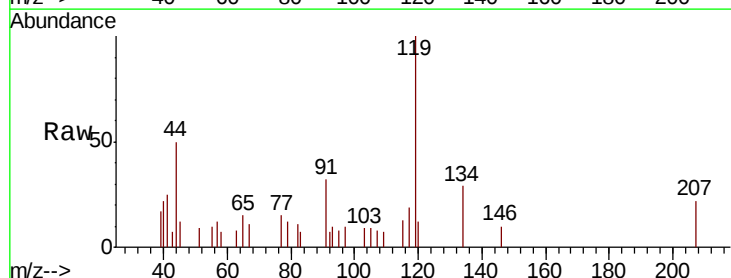
Instrument :
MSVOA_N
ClientSampled :
MH-123

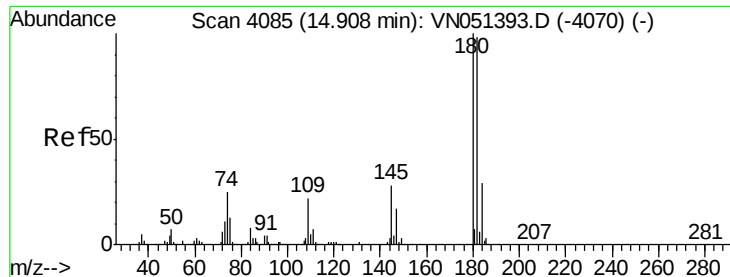
Tot Ion: 75 Resp: 188340
Ion Ratio Lower Upper
75 100
53 0.3 73.9 110.9#
89 0.0 36.7 55.1#



#86
p-Isopropyltoluene
Concen: 0.211 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN051498.D
Acq: 25 Sep 2018 21:36

Tgt Ion: 119 Resp: 5067
Ion Ratio Lower Upper
119 100
134 18.9 13.3 39.9
91 0.0 11.4 34.2#

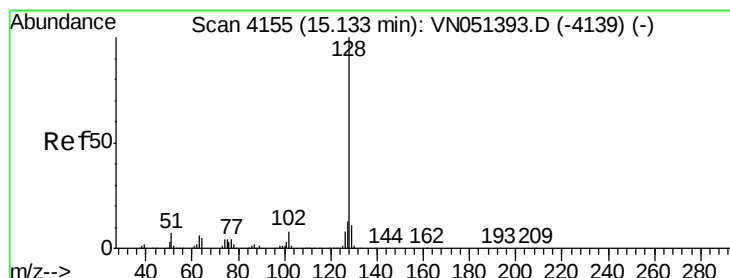
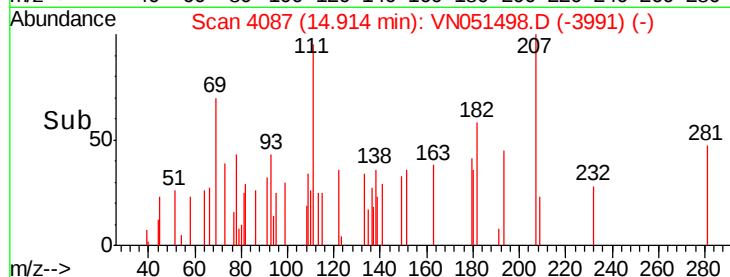
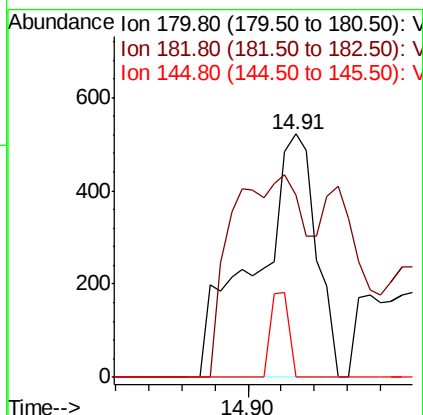
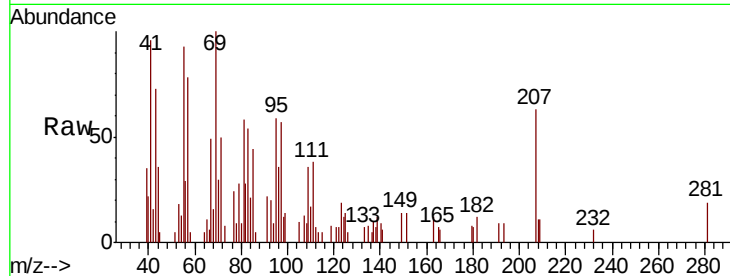




#93
 1,2,4-Trichlorobenzene
 Concen: 6.073 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN051498.D
 Acq: 25 Sep 2018 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-123

Tot Ion:180 Resp: 669
 Ion Ratio Lower Upper
 180 100
 182 104.8 48.5 145.6
 145 10.5 14.1 42.4#



#95
 Naphthalene
 Concen: 8.146 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN051498.D
 Acq: 25 Sep 2018 21:36

Tgt Ion:128 Resp: 1509
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 7.3 8.6 12.8#

