

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052993.D
 Acq On : 19 Dec 2018 6:26
 Operator : MD\SY
 Sample : J6195-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-121718

Quant Time: Dec 19 07:56:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

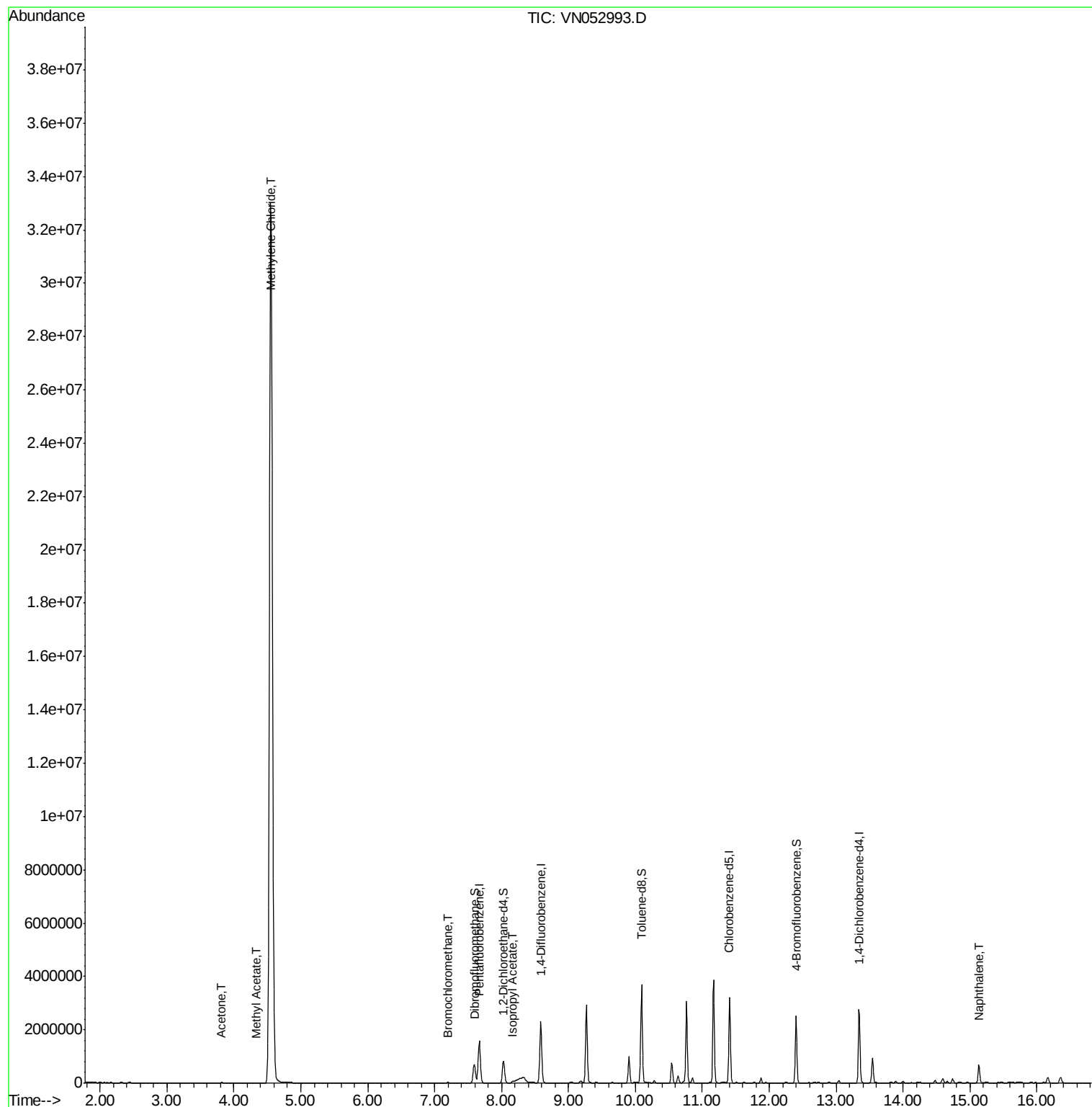
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1413818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2174757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1954147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	810806	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	704834	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
35) Dibromofluoromethane	7.59	113	552612	55.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.26%	
50) Toluene-d8	10.09	98	2655481	49.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.40	95	891261	47.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.20%	
Target Compounds						
16) Acetone	3.82	43	32322	11.490	ug/l	96
18) Methyl Acetate	4.33	43	6902	1.522	ug/l	97
20) Methylene Chloride	4.55	84	25950272	1691.106	ug/l	89
28) Bromochloromethane	7.20	49	14048	1.225	ug/l #	97
43) Isopropyl Acetate	8.17	43	76661	2.405	ug/l #	83
95) Naphthalene	15.13	128	600385	19.548	ug/l	99

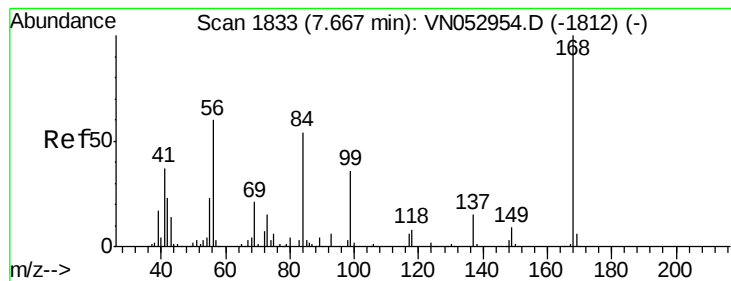
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052993.D

Acq: 19 Dec 2018 6:26

Instrument :

MSVOA_N

ClientSampleId :

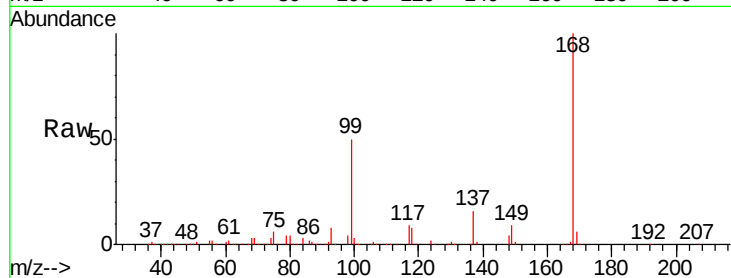
OR-03-121718

Tgt Ion:168 Resp: 1413818

Ion Ratio Lower Upper

168 100

99 50.2 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

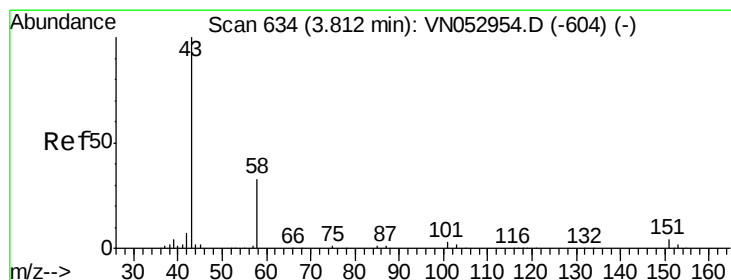
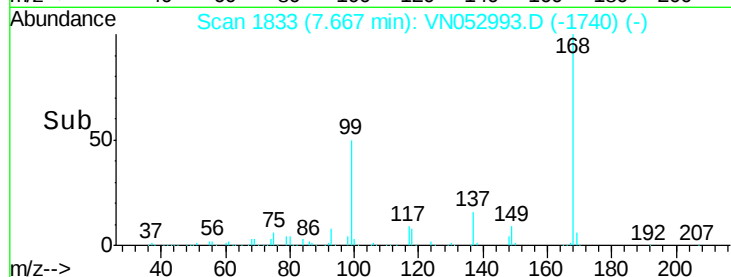
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 11.490 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN052993.D

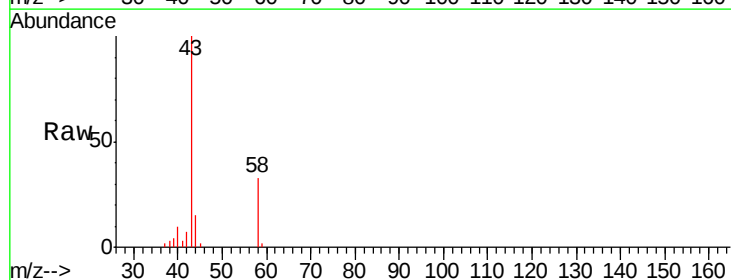
Acq: 19 Dec 2018 6:26

Tgt Ion: 43 Resp: 32322

Ion Ratio Lower Upper

43 100

58 34.2 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

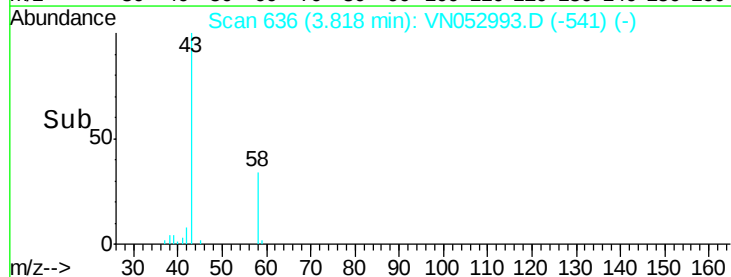
3.82

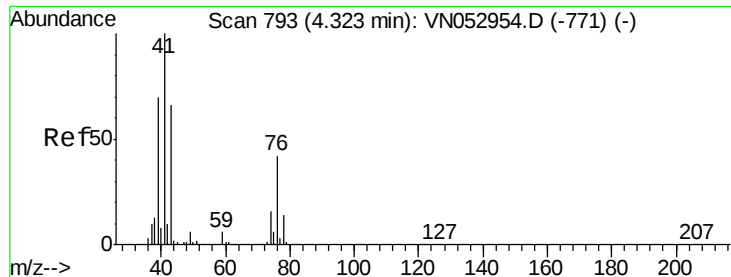
10000

5000

0

Time--> 3.70 3.80 3.90

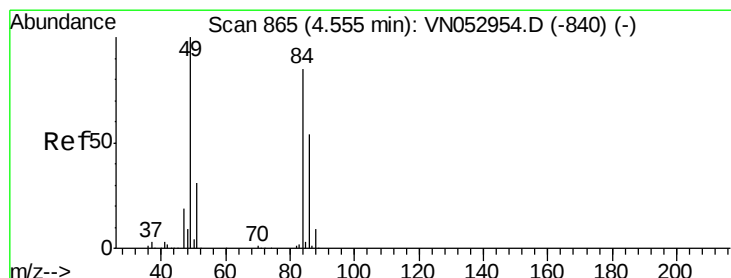
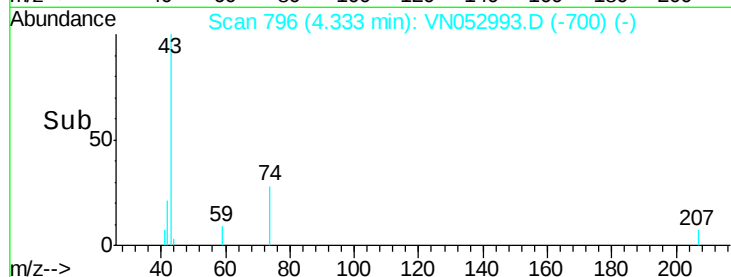
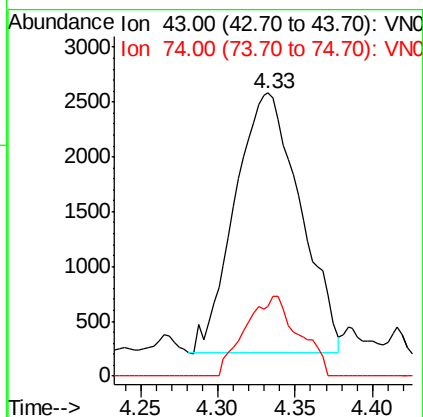
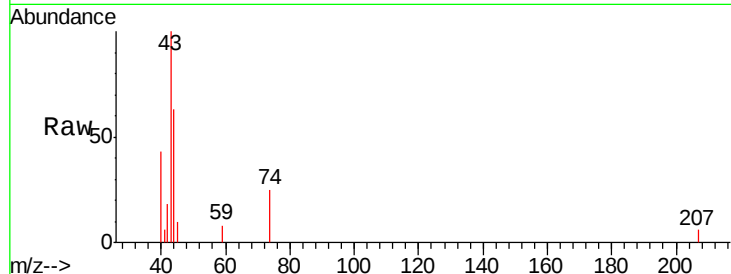




#18
Methyl Acetate
Concen: 1.522 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052993.D
Acq: 19 Dec 2018 6:26

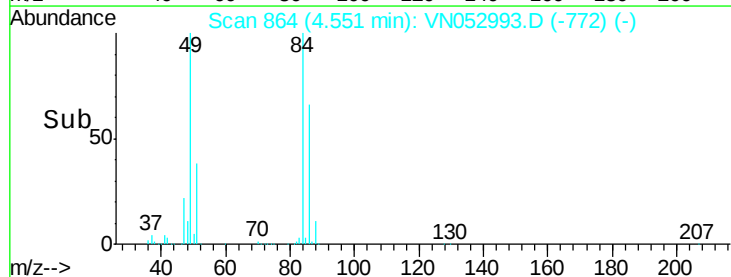
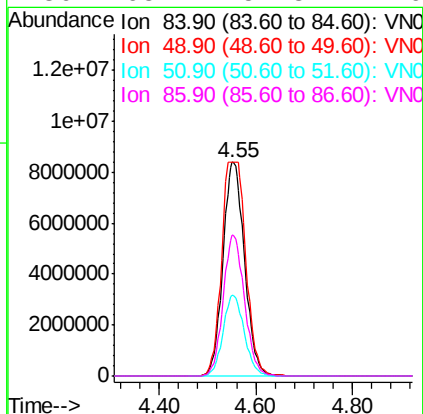
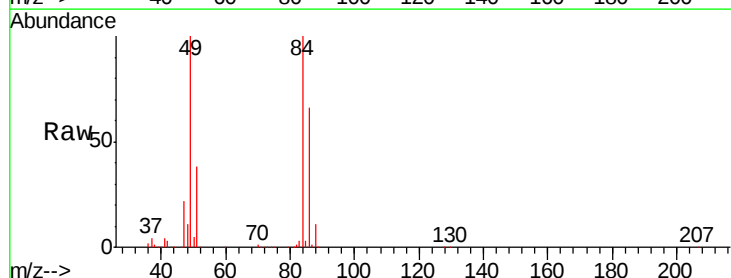
Instrument :
MSVOA_N
ClientSampled :
OR-03-121718

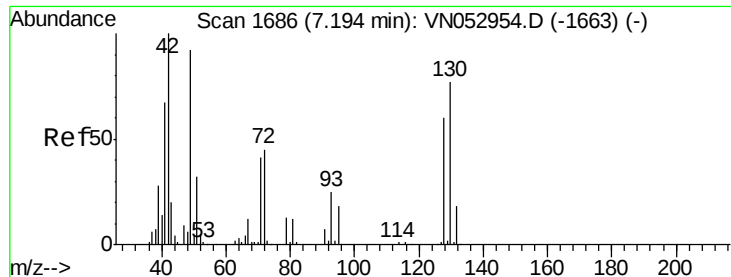
Tgt Ion: 43 Resp: 6902
Ion Ratio Lower Upper
43 100
74 25.4 19.2 28.8



#20
Methylene Chloride
Concen: 1691.106 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052993.D
Acq: 19 Dec 2018 6:26

Tgt Ion: 84 Resp: 25950272
Ion Ratio Lower Upper
84 100
49 100.0 96.8 145.2
51 37.9 29.9 44.9
86 65.7 51.8 77.6





#28

Bromochloromethane

Concen: 1.225 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN052993.D

Acq: 19 Dec 2018 6:26

Instrument :

MSVOA_N

ClientSampleId :

OR-03-121718

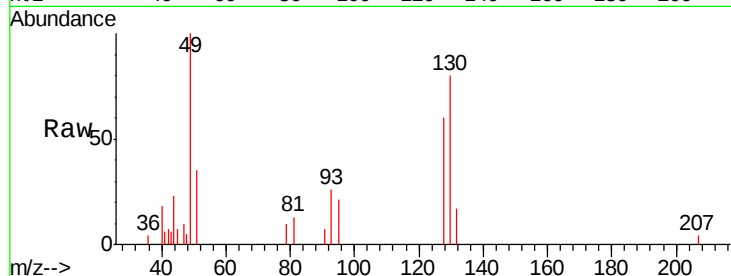
Tgt Ion: 49 Resp: 14048

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

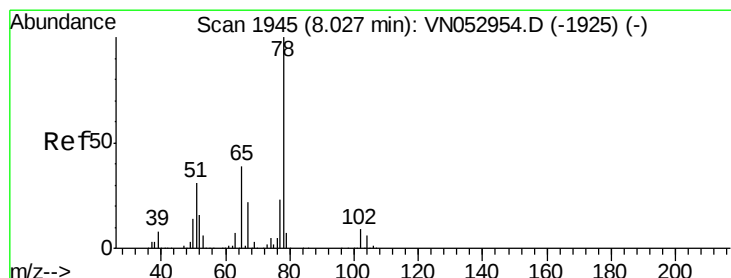
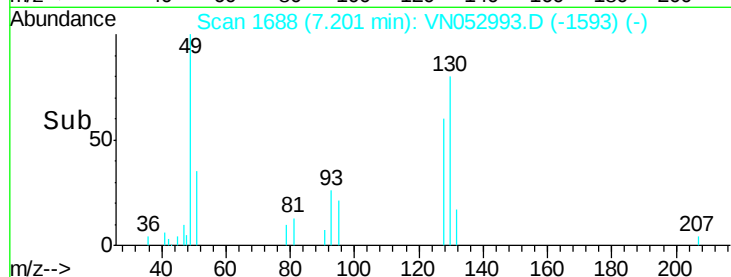
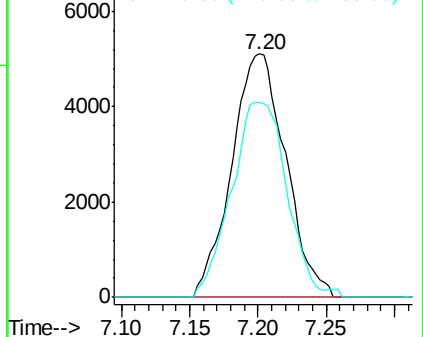
130 81.8 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052993.D

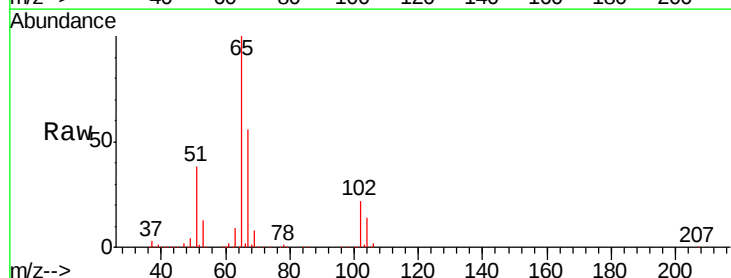
Acq: 19 Dec 2018 6:26

Tgt Ion: 65 Resp: 704834

Ion Ratio Lower Upper

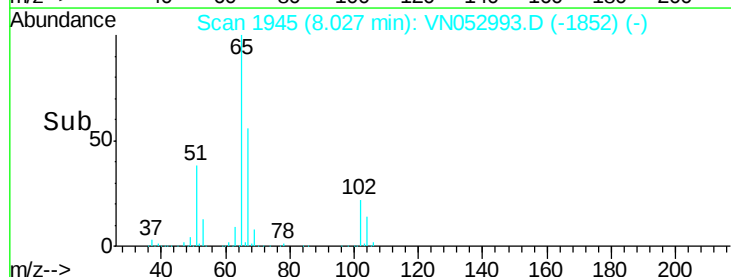
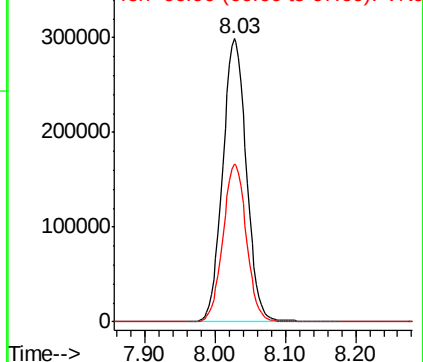
65 100

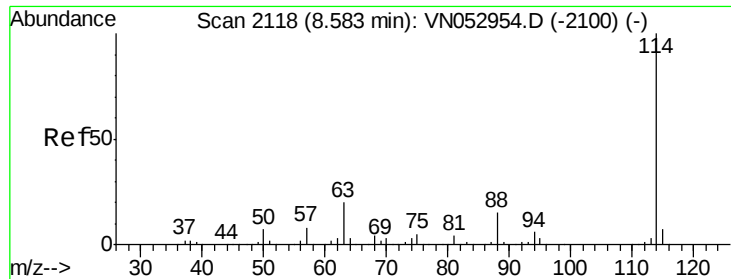
67 54.9 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

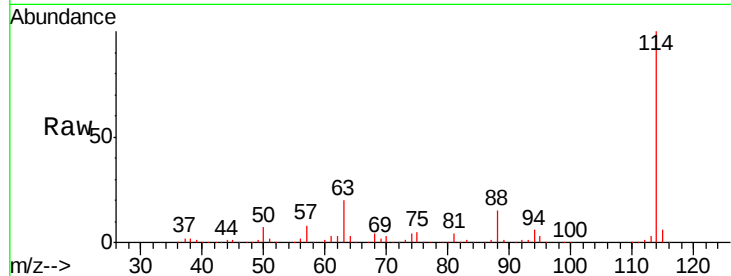




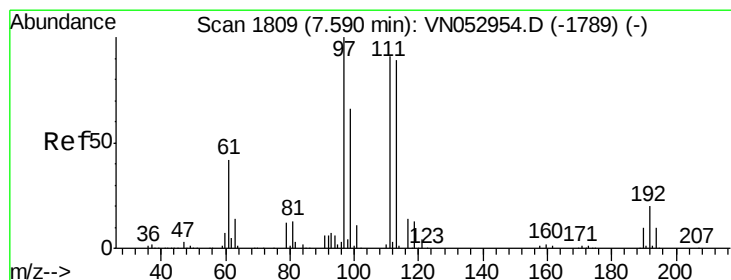
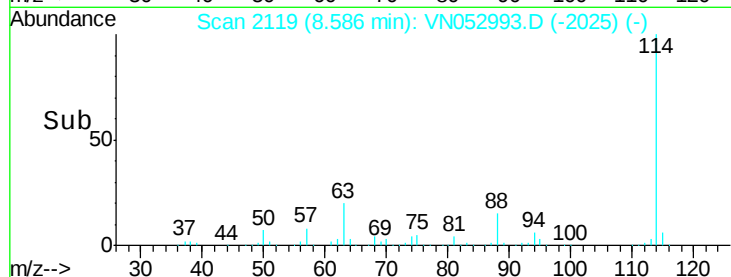
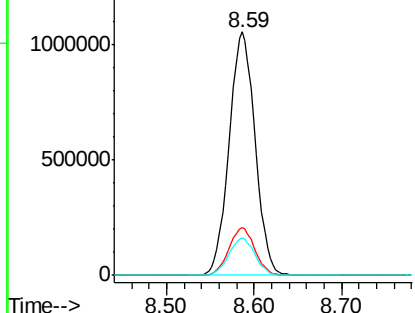
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052993.D
 Acq: 19 Dec 2018 6:26

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-03-121718

Tgt Ion:114 Resp: 2174757
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.3 0.0 31.0

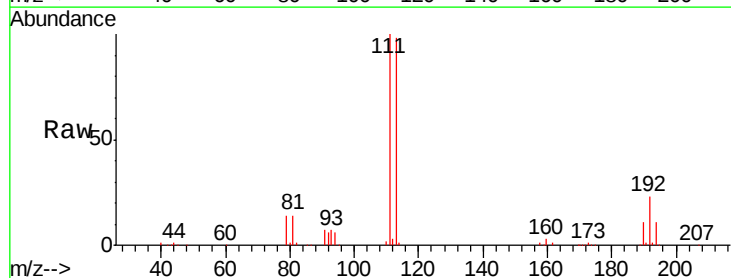


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

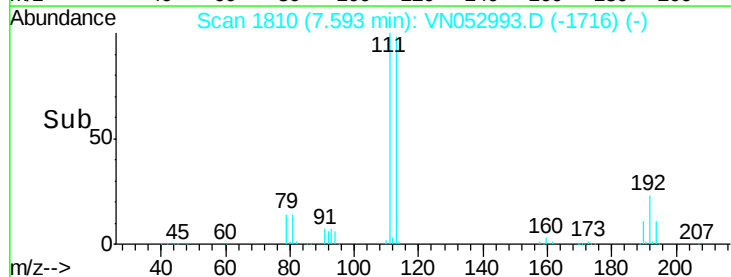
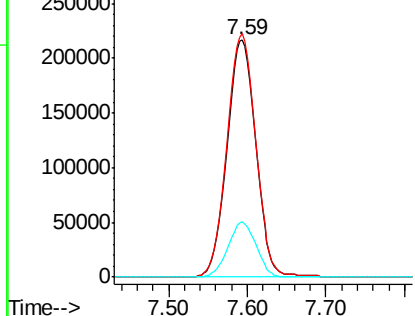


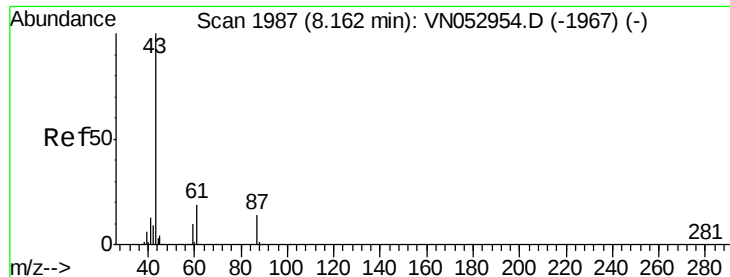
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052993.D
 Acq: 19 Dec 2018 6:26

Tgt Ion:113 Resp: 552612
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.0 124.4
 192 22.5 17.5 26.3



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





#43

Isopropyl Acetate

Concen: 2.405 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052993.D

Acq: 19 Dec 2018 6:26

Instrument :

MSVOA_N

ClientSampleId :

OR-03-121718

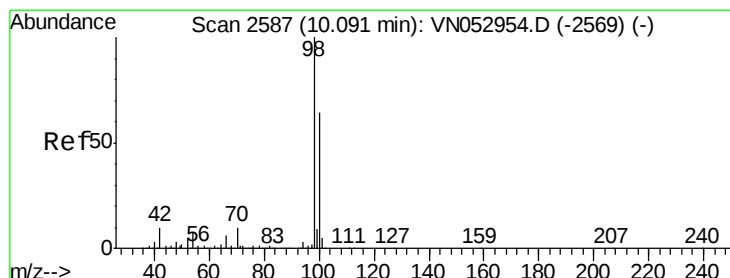
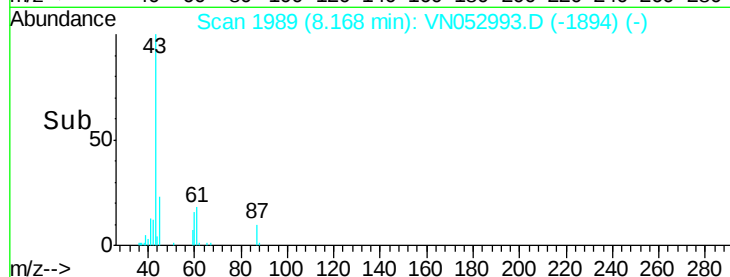
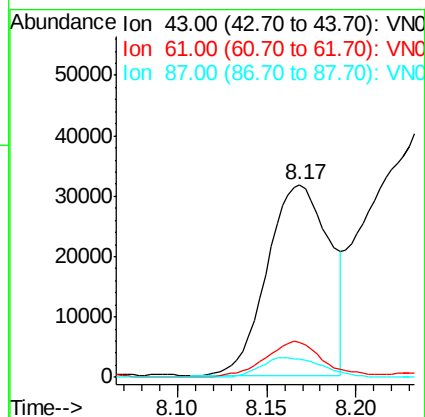
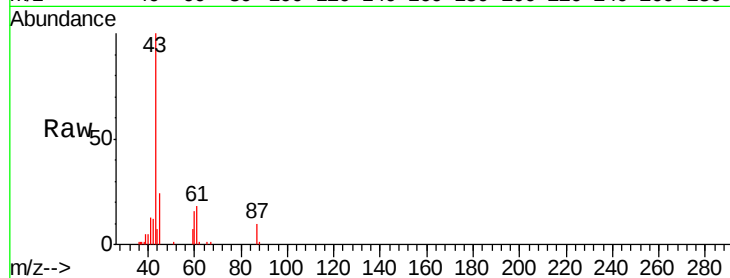
Tgt Ion: 43 Resp: 76661

Ion Ratio Lower Upper

43 100

61 17.5 22.9 34.3#

87 10.1 10.6 15.8#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052993.D

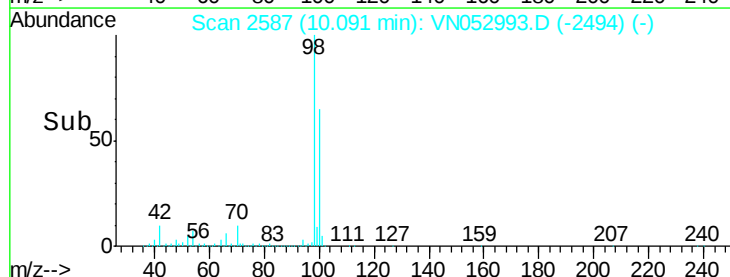
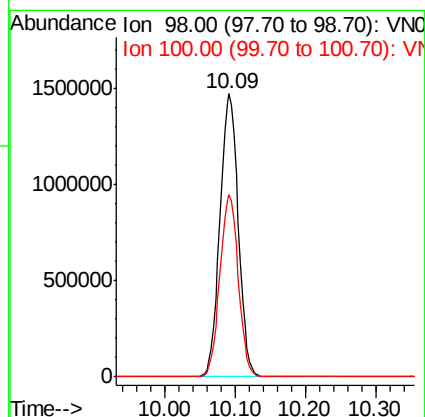
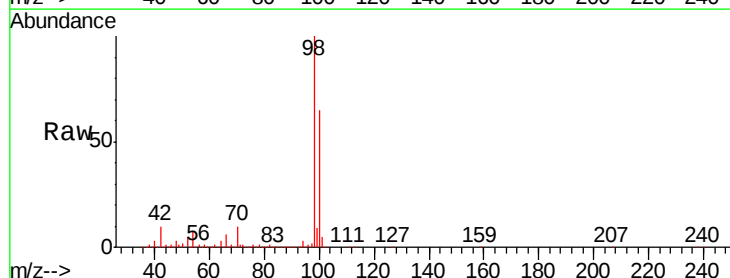
Acq: 19 Dec 2018 6:26

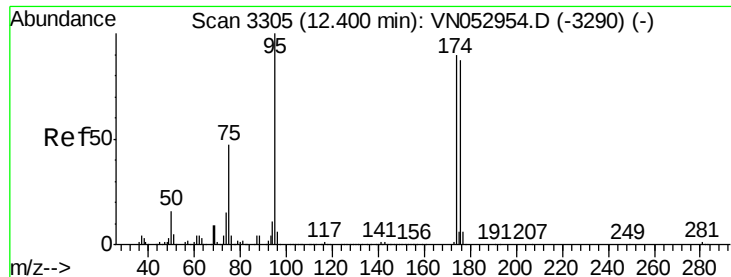
Tgt Ion: 98 Resp: 2655481

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052993.D

Acq: 19 Dec 2018 6:26

Instrument :

MSVOA_N

ClientSampleId :

OR-03-121718

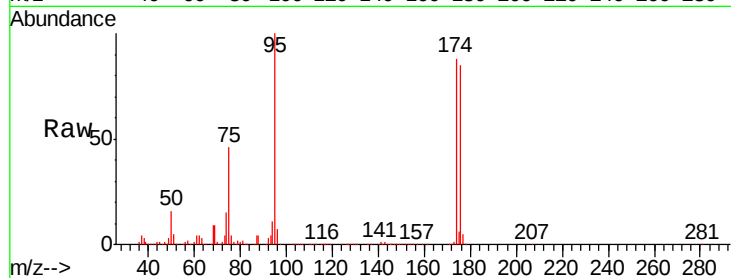
Tgt Ion: 95 Resp: 891261

Ion Ratio Lower Upper

95 100

174 89.0 0.0 178.8

176 86.2 0.0 173.8



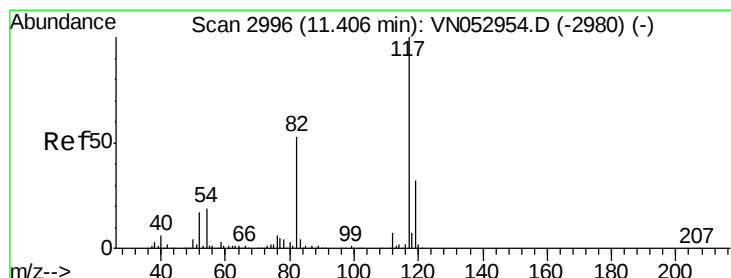
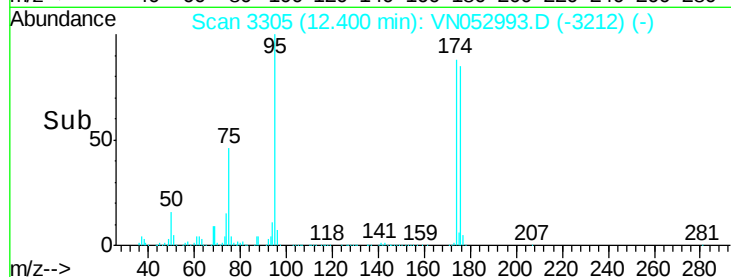
Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.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: VN052993.D

Acq: 19 Dec 2018 6:26

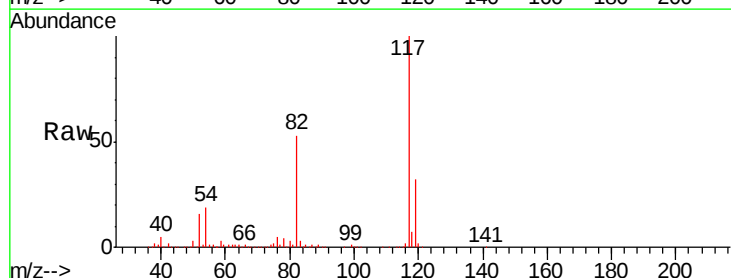
Tgt Ion: 117 Resp: 1954147

Ion Ratio Lower Upper

117 100

82 53.4 42.8 64.2

119 32.0 25.5 38.3



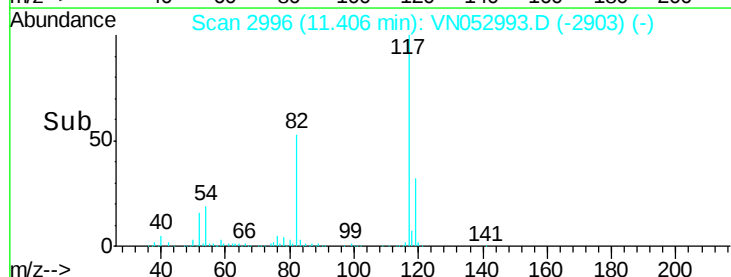
Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

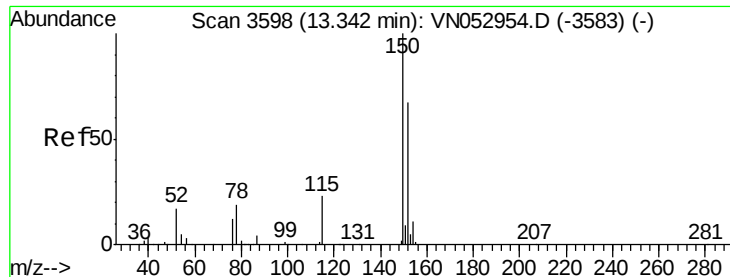
Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

Time-->

11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052993.D

Acq: 19 Dec 2018 6:26

Instrument :

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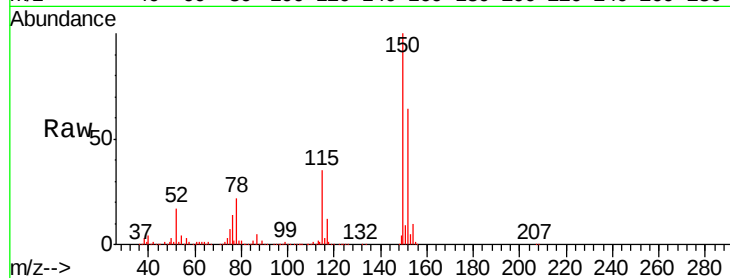
Tgt Ion:152 Resp: 810806

Ion Ratio Lower Upper

152 100

115 56.2 28.3 85.0

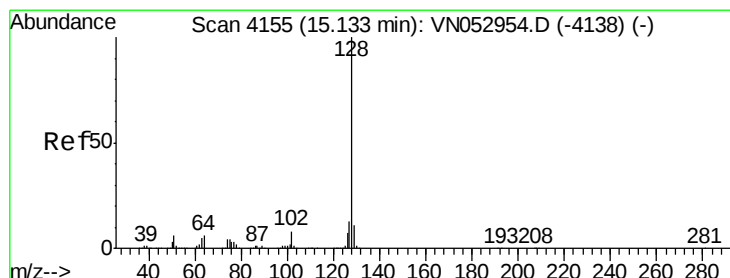
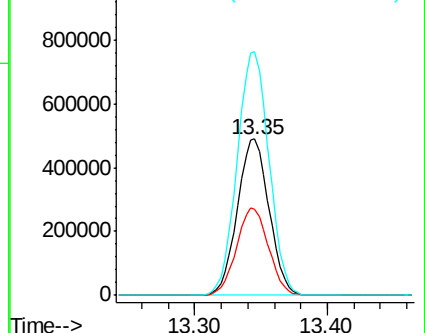
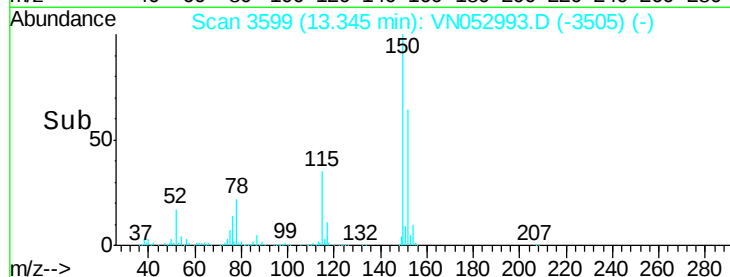
150 156.9 0.0 347.8



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



#95

Naphthalene

Concen: 19.548 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052993.D

Acq: 19 Dec 2018 6:26

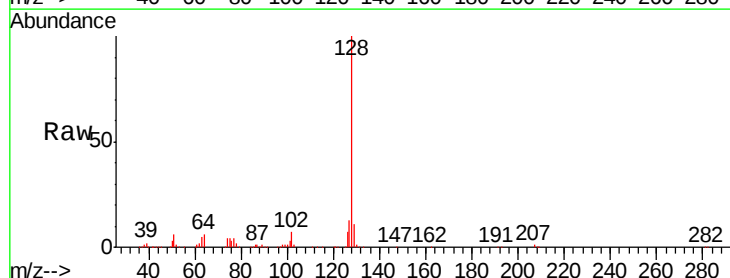
Tgt Ion:128 Resp: 600385

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 10.6 8.6 13.0



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

