

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\
 Data File : VN055313.D
 Acq On : 30 Apr 2019 17:18
 Operator : JC/SP
 Sample : K2199-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-042919-A

Quant Time: May 01 09:12:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

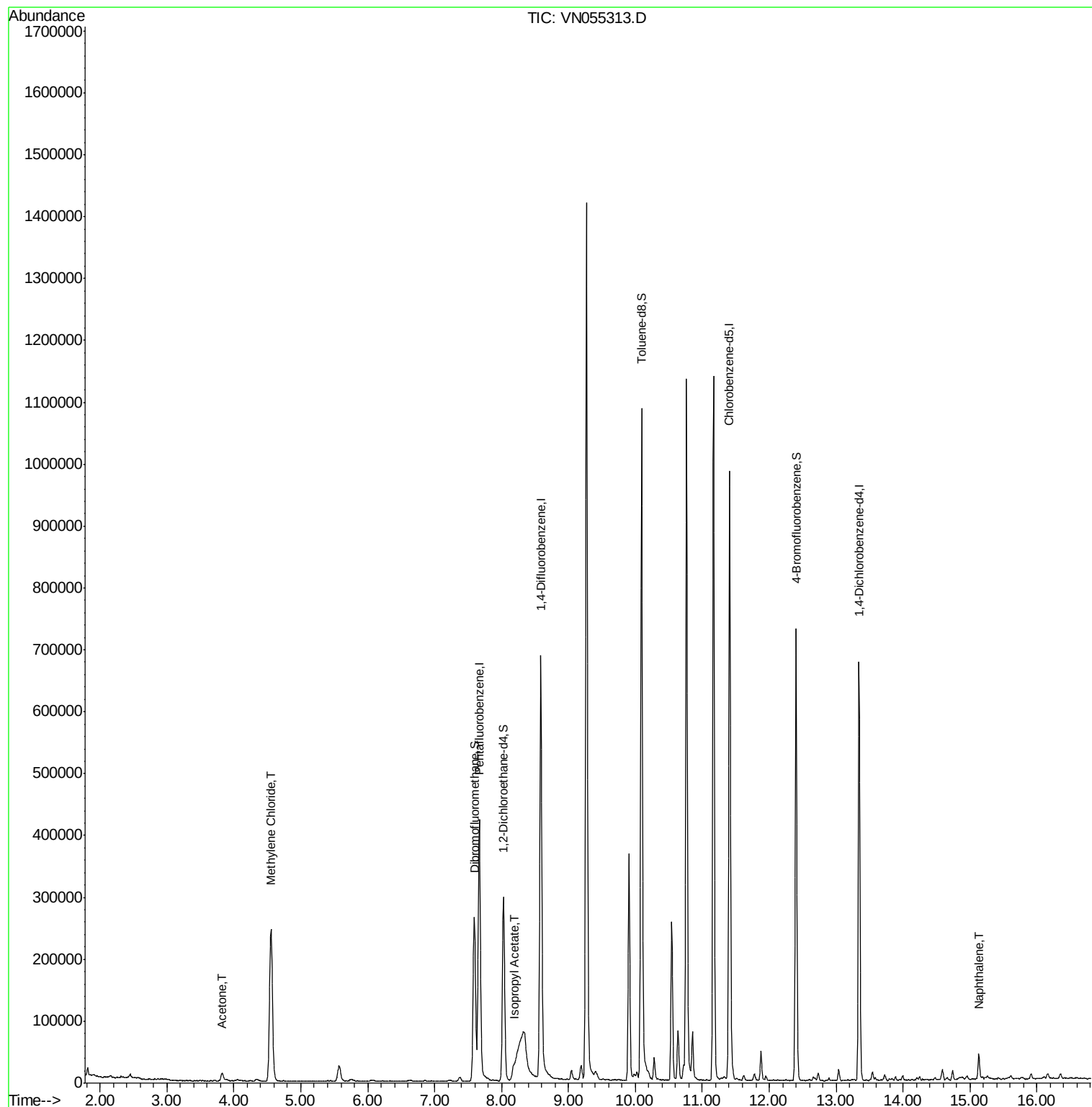
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	355501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	630766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	576383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179579	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	254317	54.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.36%	
35) Dibromofluoromethane	7.59	113	205091	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.08%	
50) Toluene-d8	10.09	98	773295	51.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.46%	
62) 4-Bromofluorobenzene	12.40	95	248119	53.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.20%	
Target Compounds						
16) Acetone	3.82	43	21973	15.163	ug/l	99
20) Methylene Chloride	4.55	84	173373	39.197	ug/l	98
43) Isopropyl Acetate	8.18	43	23321	3.134	ug/l #	81
95) Naphthalene	15.13	128	34192	9.722	ug/l	98

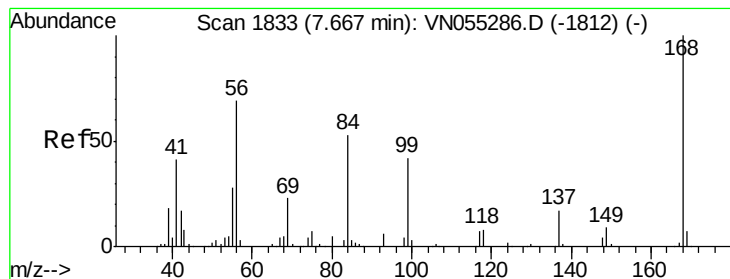
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN043019\
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QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055313.D

Acq: 30 Apr 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

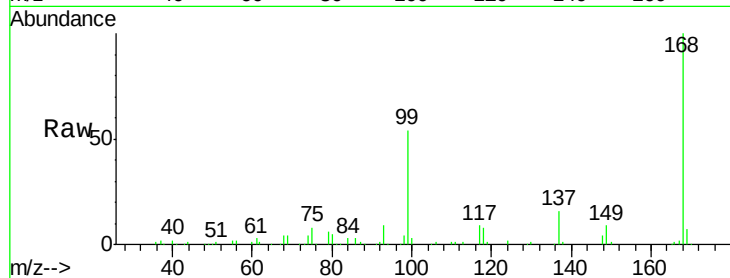
OR-02-042919-A

Tot Ion:168 Resp: 355501

Ion Ratio Lower Upper

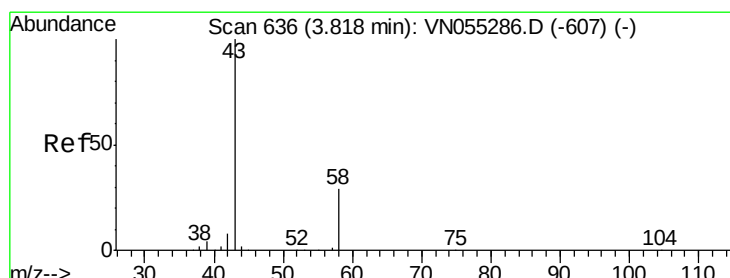
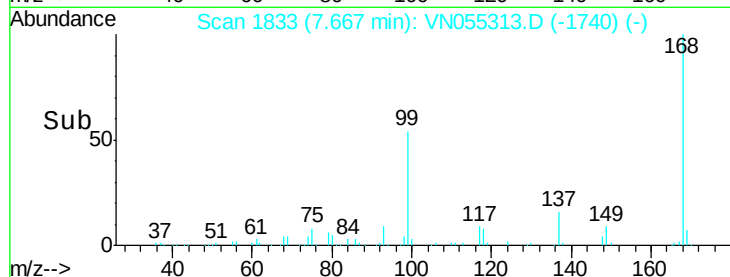
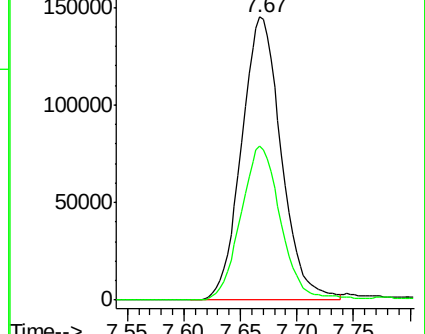
168 100

99 54.5 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 15.163 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055313.D

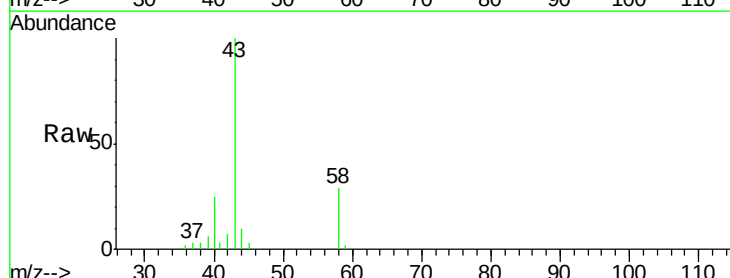
Acq: 30 Apr 2019 17:18

Tgt Ion: 43 Resp: 21973

Ion Ratio Lower Upper

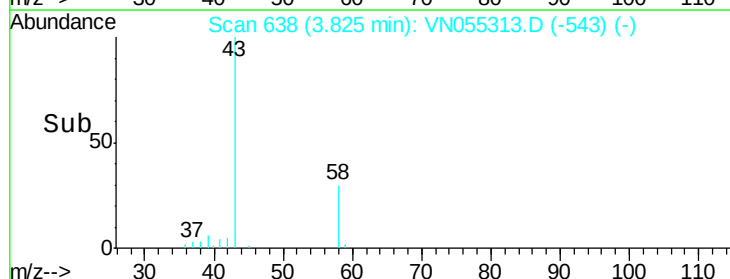
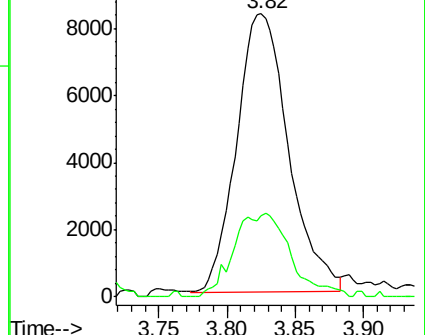
43 100

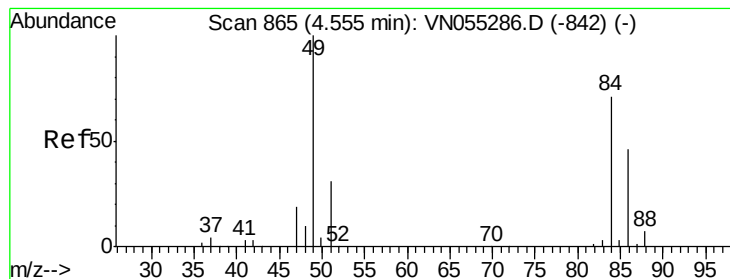
58 29.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#20

Methylene Chloride

Concen: 39.197 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN055313.D

Acq: 30 Apr 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

OR-02-042919-A

Tot Ion: 84 Resp: 173373

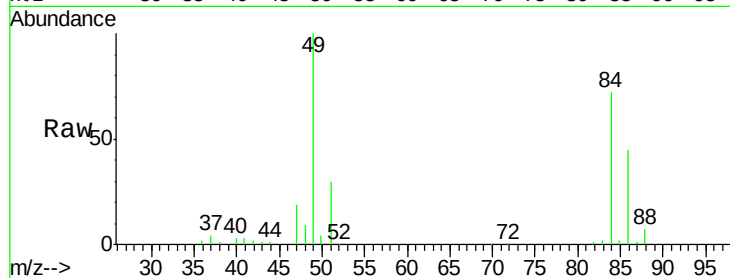
Ion Ratio Lower Upper

84 100

49 138.4 112.4 168.6

51 41.8 34.6 51.8

86 61.9 51.9 77.9

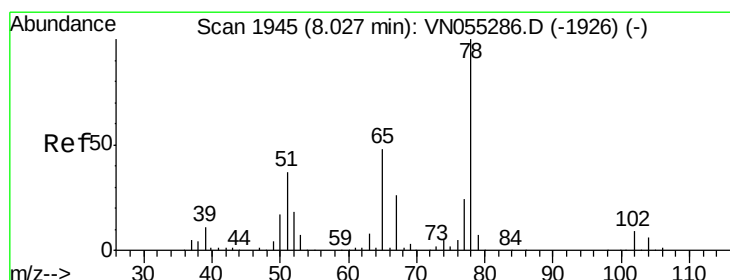
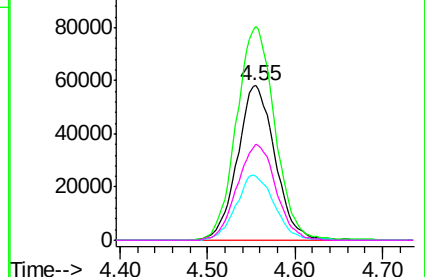
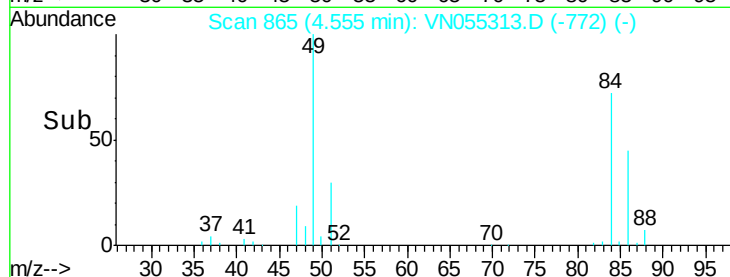


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.683 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055313.D

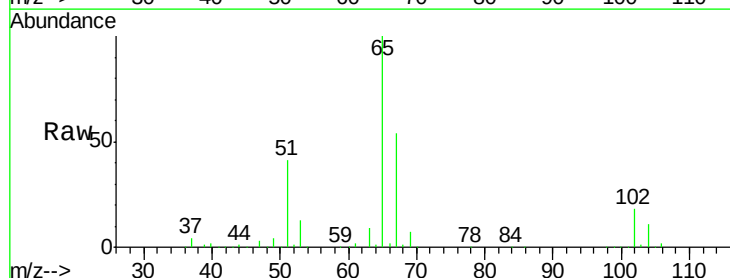
Acq: 30 Apr 2019 17:18

Tgt Ion: 65 Resp: 254317

Ion Ratio Lower Upper

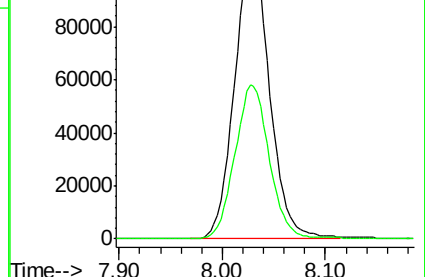
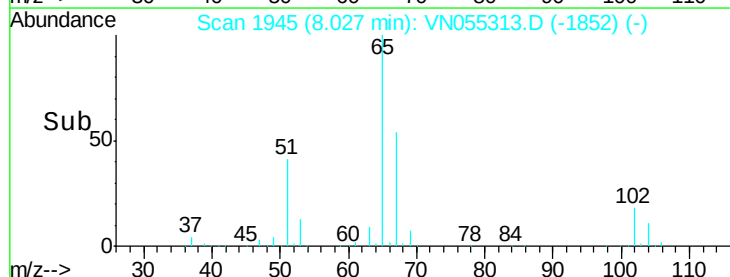
65 100

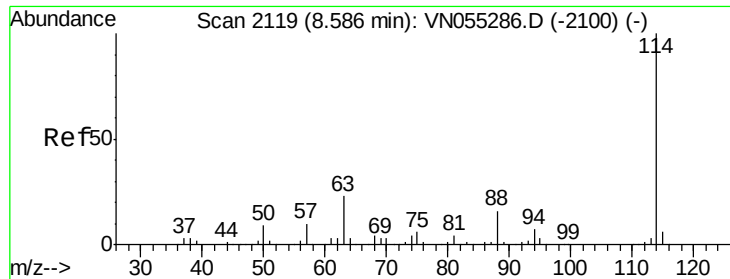
67 53.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

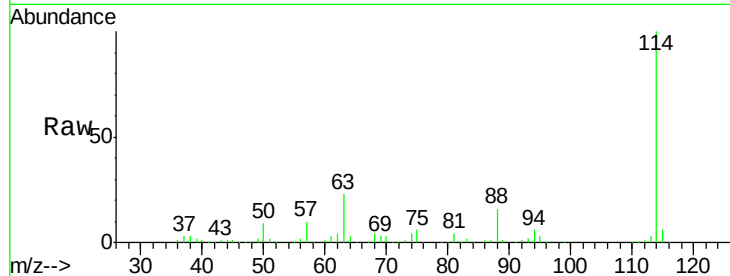




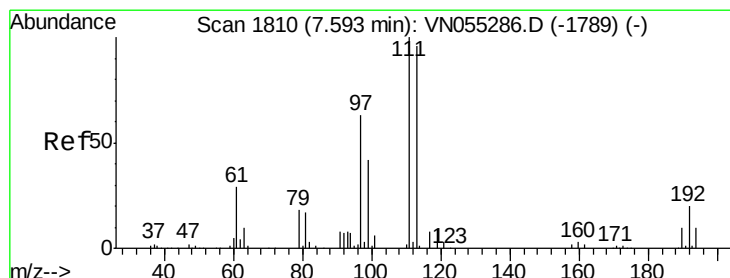
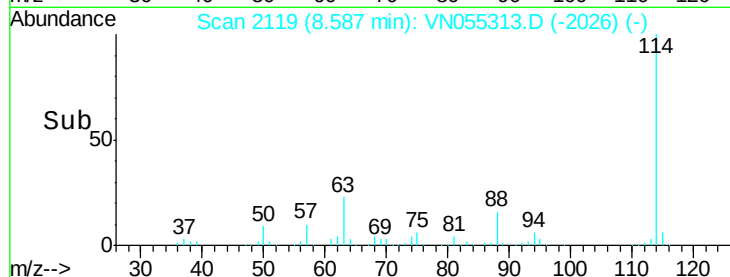
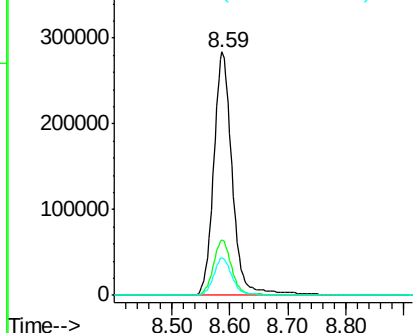
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055313.D
 Acq: 30 Apr 2019 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-042919-A

Tot Ion:114 Resp: 630766
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.2
 88 15.7 0.0 31.6

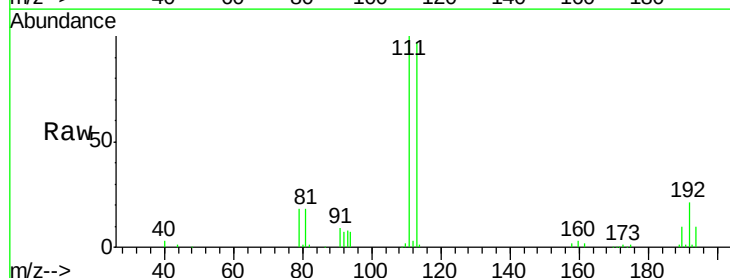


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

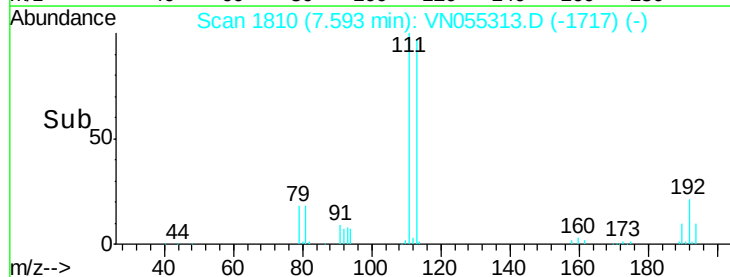
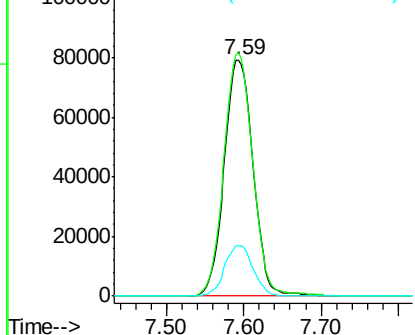


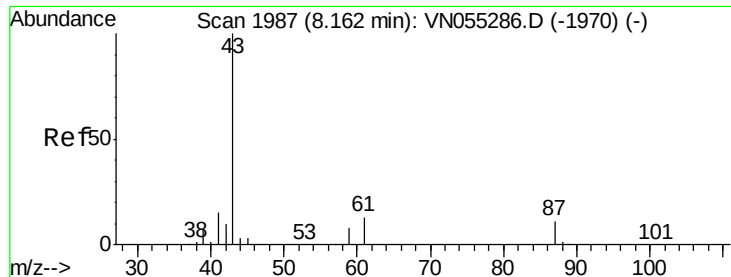
#35
 Dibromofluoromethane
 Concen: 49.537 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055313.D
 Acq: 30 Apr 2019 17:18

Tgt Ion:113 Resp: 205091
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.3 123.5
 192 21.2 17.0 25.6



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: 3.134 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN055313.D

Acq: 30 Apr 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

OR-02-042919-A

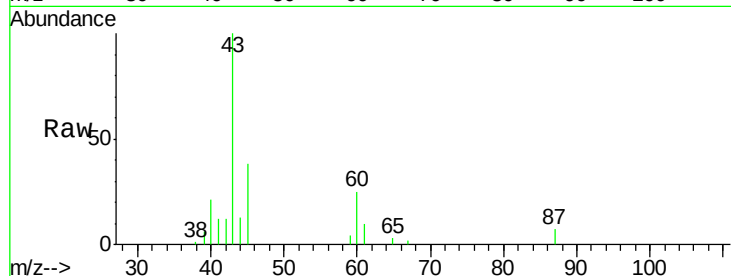
Tot Ion: 43 Resp: 23321

Ion Ratio Lower Upper

43 100

61 13.6 20.8 31.2#

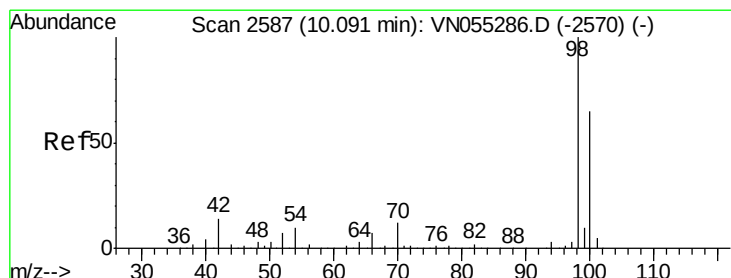
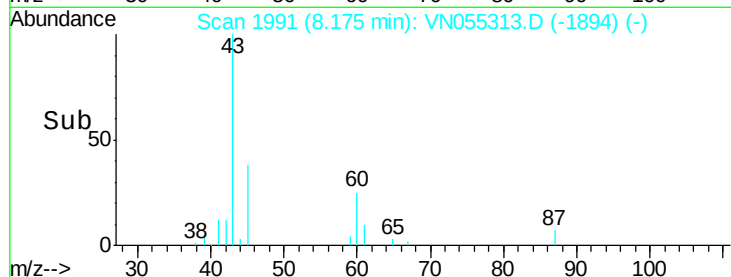
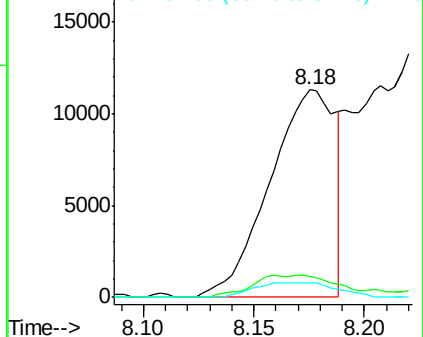
87 8.8 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055313.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN055313.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN055313.D (-1894) (-)



#50

Toluene-d8

Concen: 51.727 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055313.D

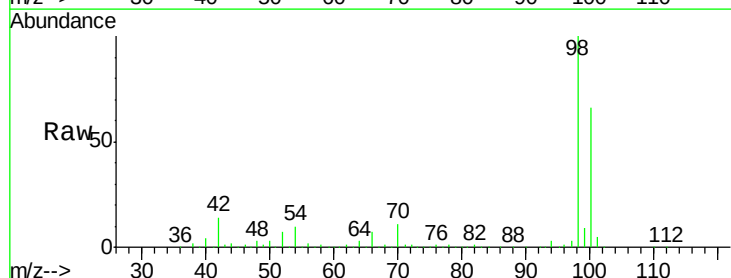
Acq: 30 Apr 2019 17:18

Tgt Ion: 98 Resp: 773295

Ion Ratio Lower Upper

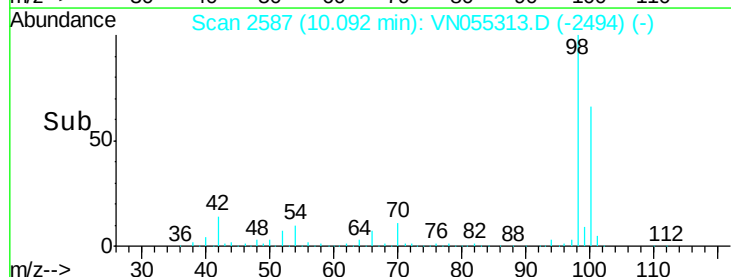
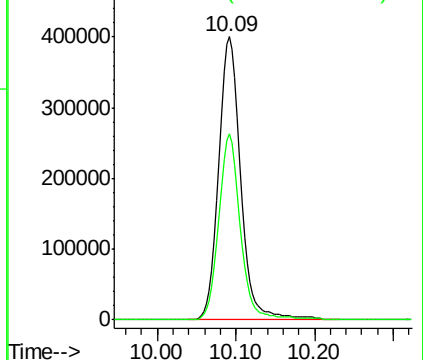
98 100

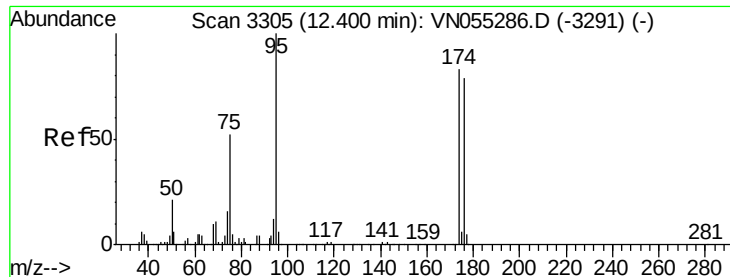
100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055313.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055313.D (-2494) (-)





#62

4-Bromofluorobenzene

Concen: 53.105 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055313.D

Acq: 30 Apr 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

OR-02-042919-A

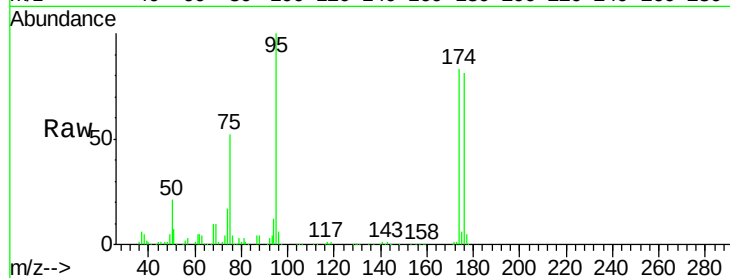
Tot Ion: 95 Resp: 248119

Ion Ratio Lower Upper

95 100

174 82.7 0.0 166.6

176 80.0 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055313.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055313.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055313.D (-2903) (-)

12.40

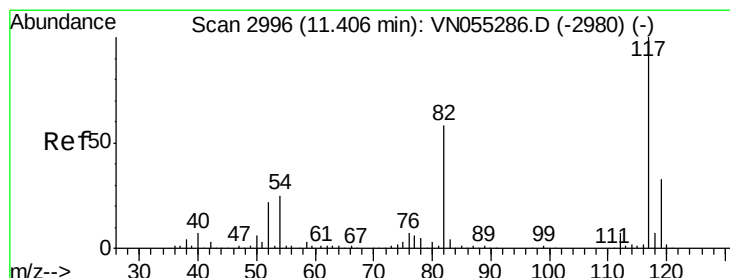
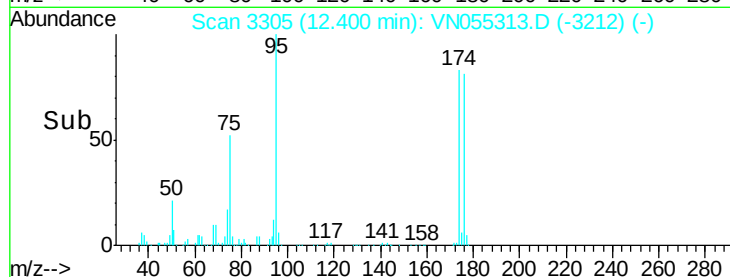
150000

100000

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: VN055313.D

Acq: 30 Apr 2019 17:18

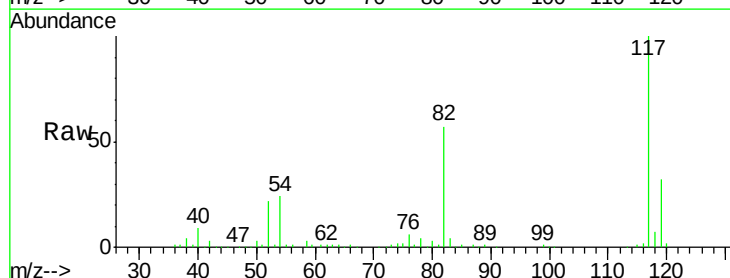
Tgt Ion: 117 Resp: 576383

Ion Ratio Lower Upper

117 100

82 57.5 46.2 69.4

119 32.3 26.6 40.0



Abundance Ion 116.90 (116.60 to 117.60): VN055313.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055313.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055313.D (-2903) (-)

11.41

400000

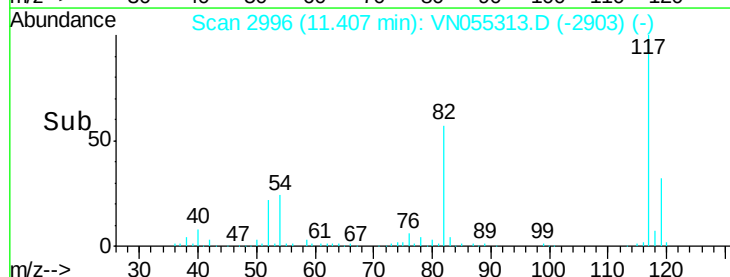
300000

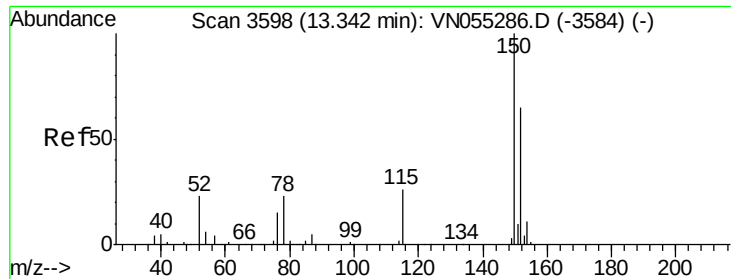
200000

100000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055313.D

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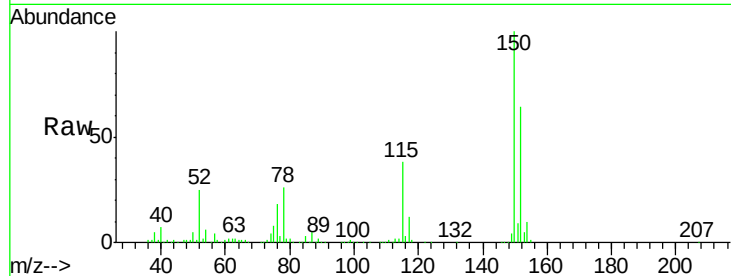
Tot Ion:152 Resp: 179579

Ion Ratio Lower Upper

152 100

115 58.2 29.0 87.0

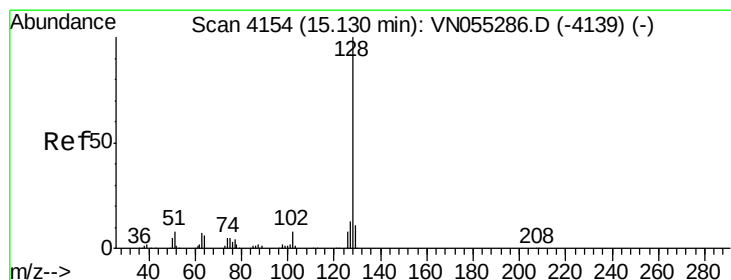
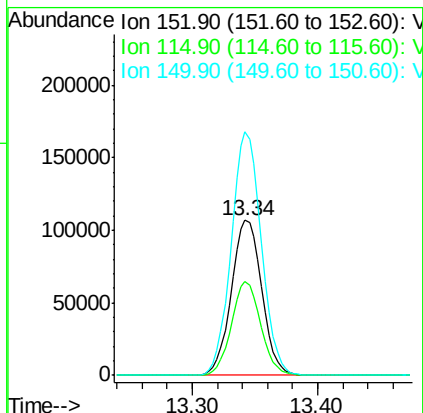
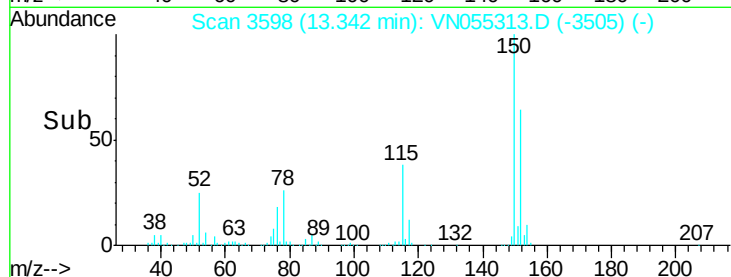
150 155.0 0.0 345.6



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



#95

Naphthalene

Concen: 9.722 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055313.D

Acq: 30 Apr 2019 17:18

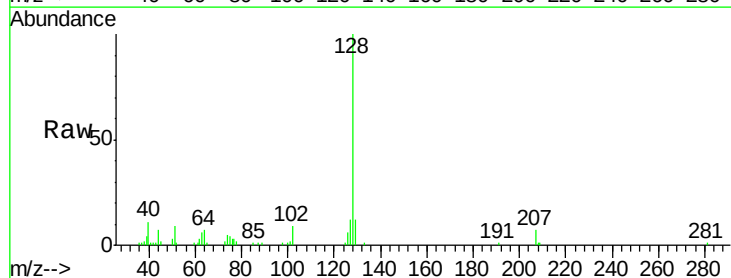
Tgt Ion:128 Resp: 34192

Ion Ratio Lower Upper

128 100

127 12.3 10.7 16.1

129 10.9 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

