

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059169.D
 Acq On : 11 Nov 2019 18:14
 Operator : JC/SP
 Sample : K5782-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2A

Quant Time: Nov 12 03:55:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

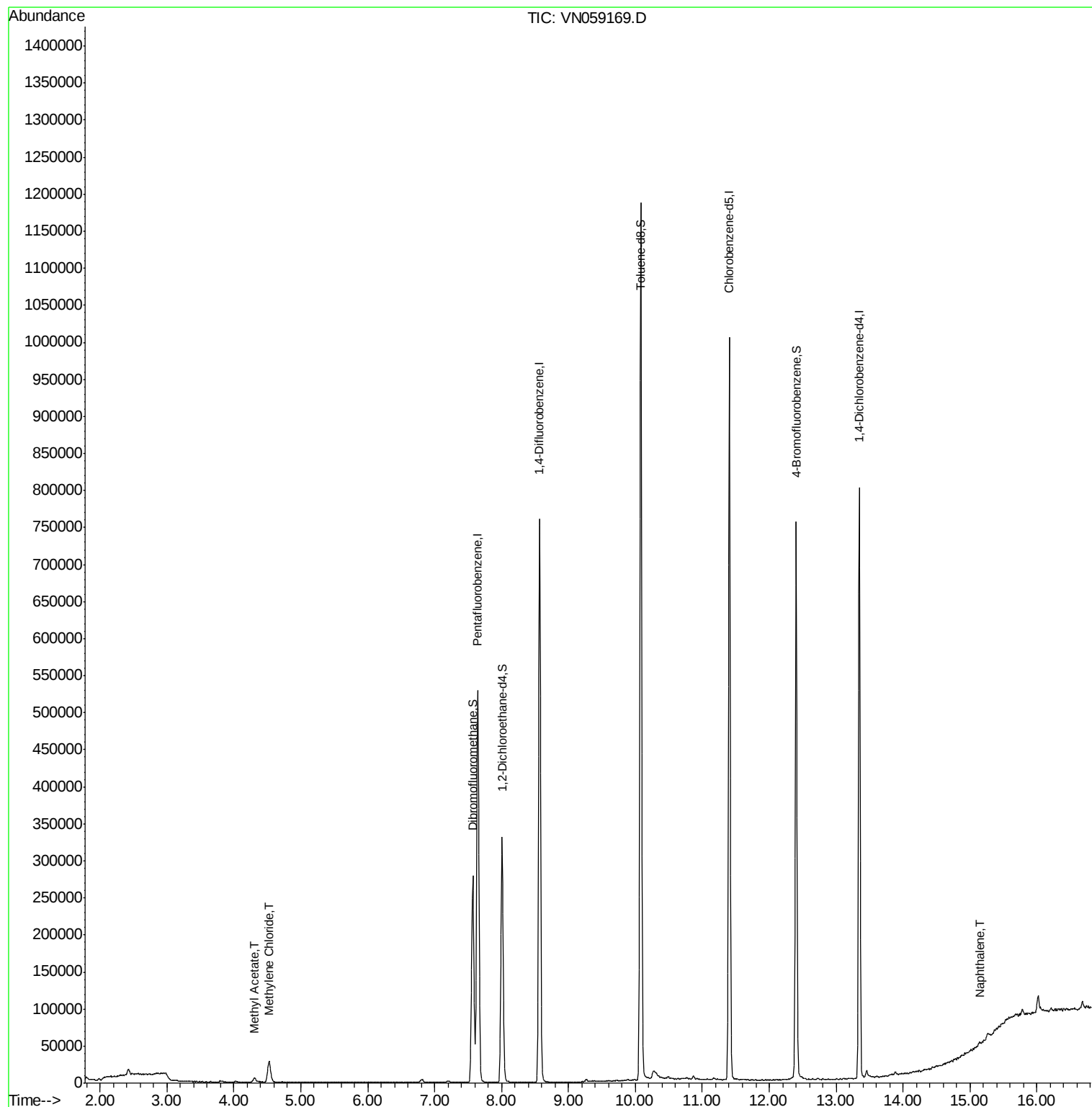
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	422987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	667728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	585568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	213545	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	288299	55.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.90%	
35) Dibromofluoromethane	7.57	113	219171	54.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.94%	
50) Toluene-d8	10.08	98	837227	53.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.40	95	265347	46.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.72%	
Target Compounds						
18) Methyl Acetate	4.31	43	11102	1.730	ug/l #	90
20) Methylene Chloride	4.53	84	22753	4.830	ug/l	99
95) Naphthalene	15.13	128	2976	3.297	ug/l #	89

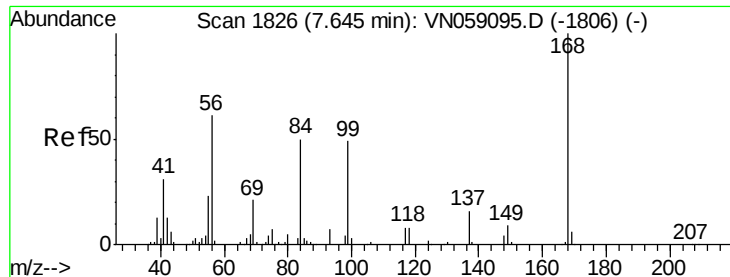
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111119\
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QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

Instrument :

MSVOA_N

ClientSampled :

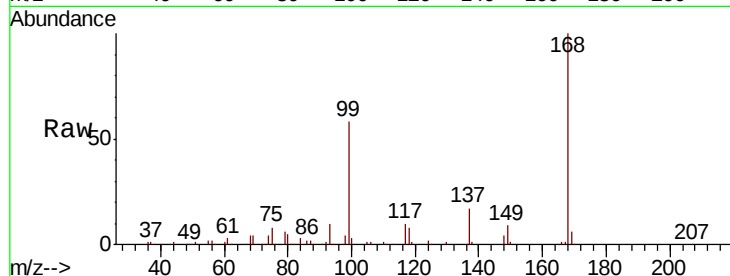
TP-2A

Tot Ion:168 Resp: 422987

Ion Ratio Lower Upper

168 100

99 57.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

150000

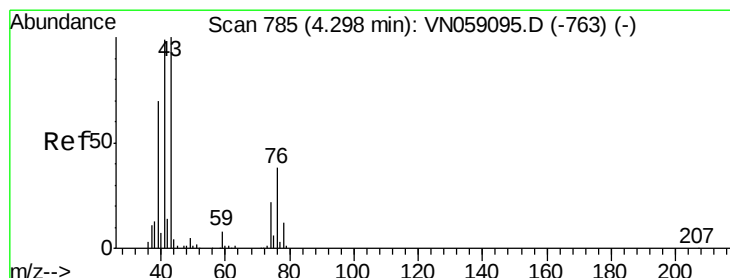
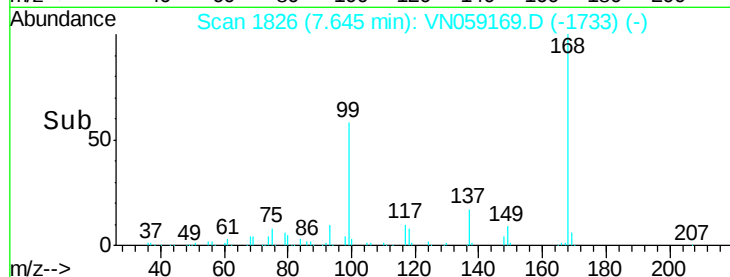
100000

50000

0

7.60 7.70

Time-->



#18

Methyl Acetate

Concen: 1.730 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN059169.D

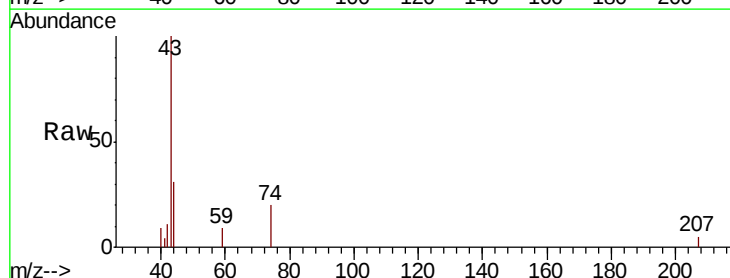
Acq: 11 Nov 2019 18:14

Tgt Ion: 43 Resp: 11102

Ion Ratio Lower Upper

43 100

74 17.5 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 74.00 (73.70 to 74.70): VN

4.31

4000

3000

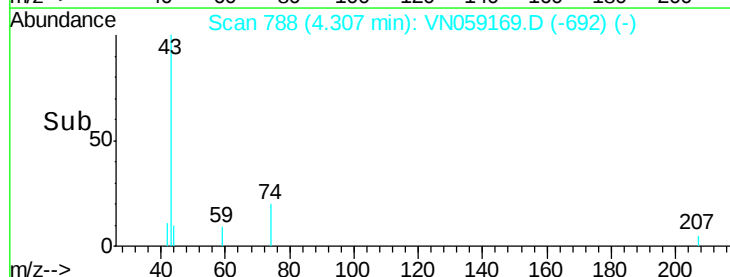
2000

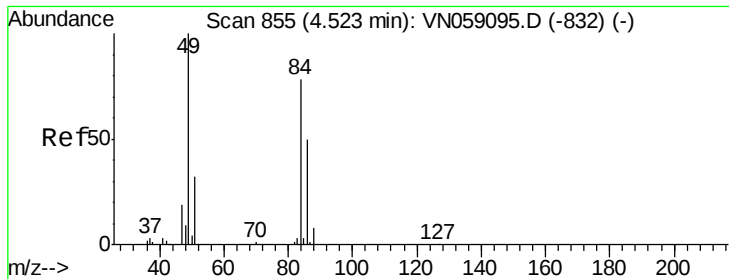
1000

0

4.25 4.30 4.35

Time-->





#20

Methylene Chloride

Concen: 4.830 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.01 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

TP-2A

Tot Ion: 84 Resp: 22753

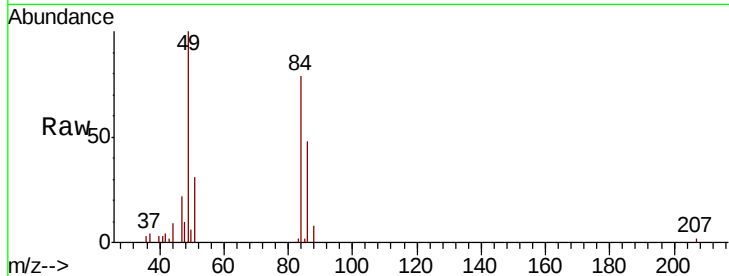
Ion Ratio Lower Upper

84 100

49 127.2 102.0 153.0

51 39.9 32.2 48.2

86 61.7 50.7 76.1

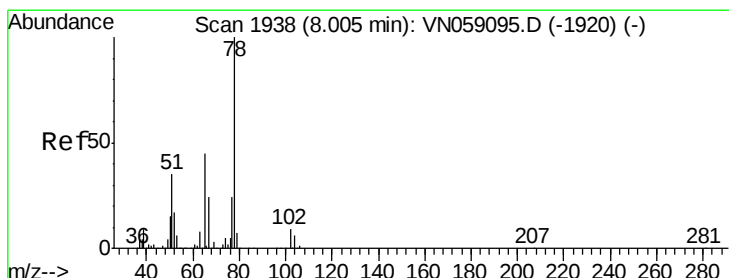
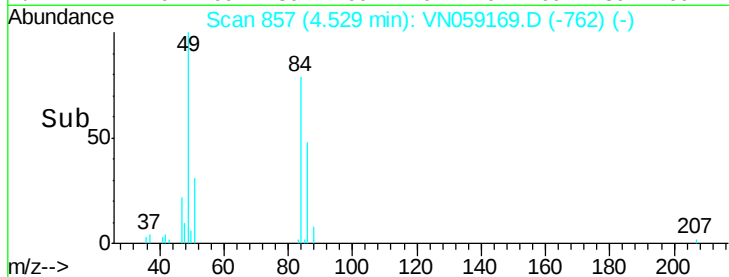
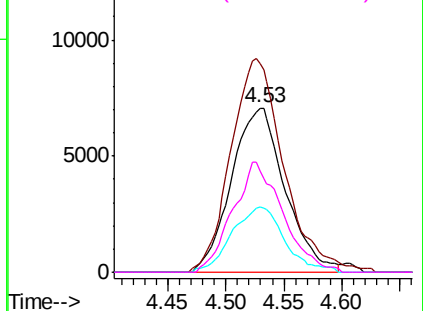


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 55.446 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059169.D

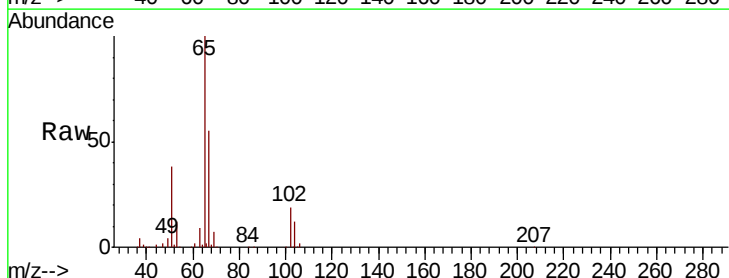
Acq: 11 Nov 2019 18:14

Tgt Ion: 65 Resp: 288299

Ion Ratio Lower Upper

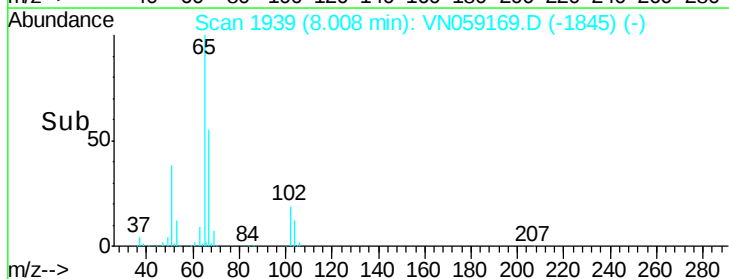
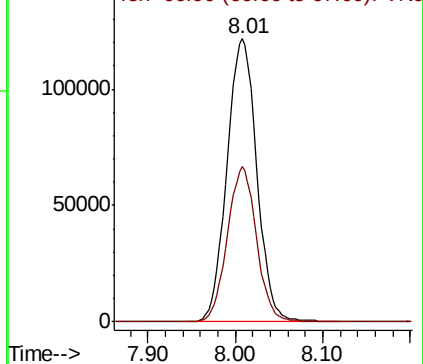
65 100

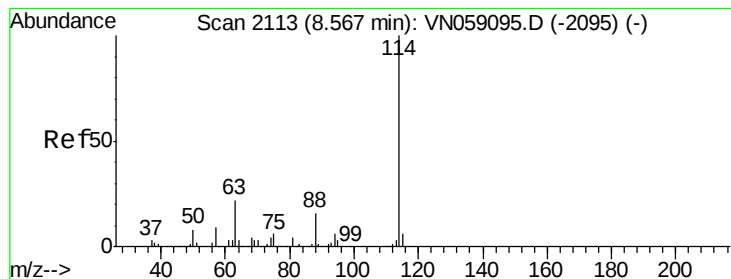
67 53.7 0.0 107.4



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: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

TP-2A

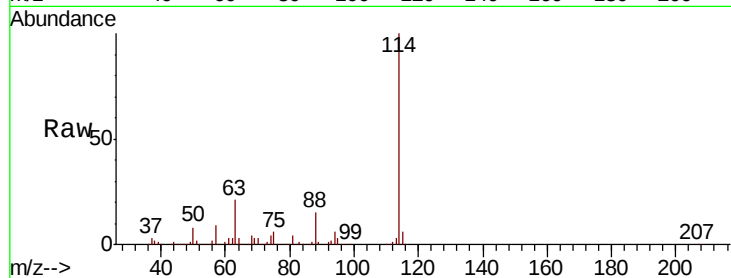
Tot Ion:114 Resp: 667728

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.4

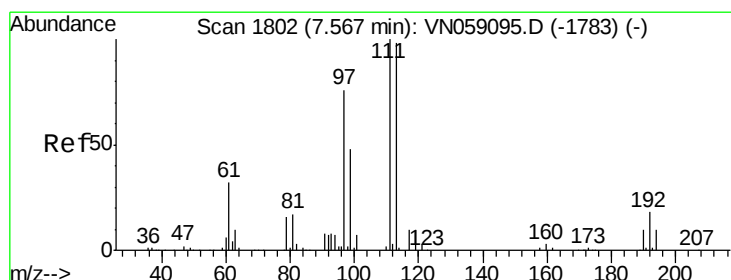
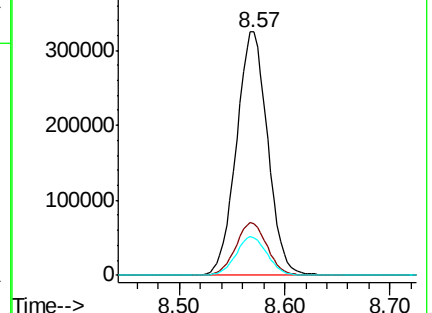
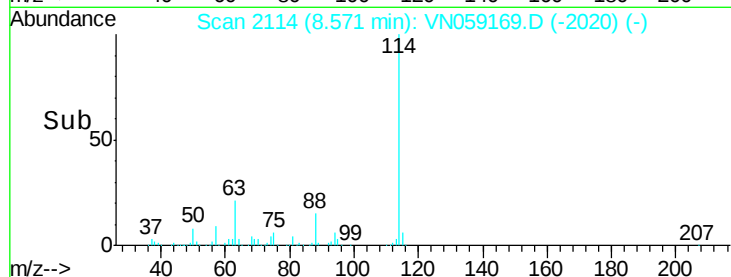
88 15.5 0.0 32.2



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: 54.972 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

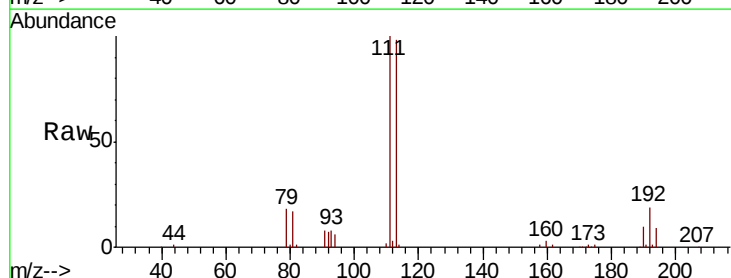
Tgt Ion:113 Resp: 219171

Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

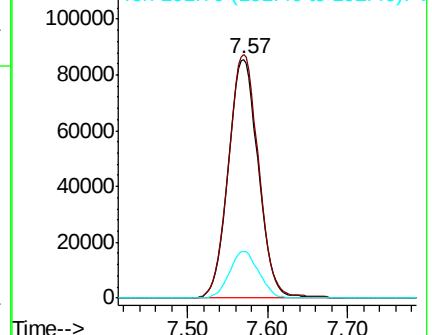
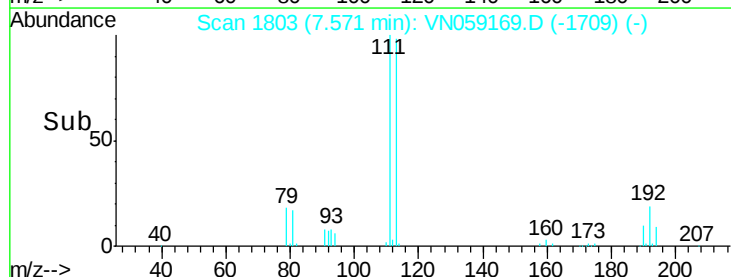
192 19.2 16.1 24.1

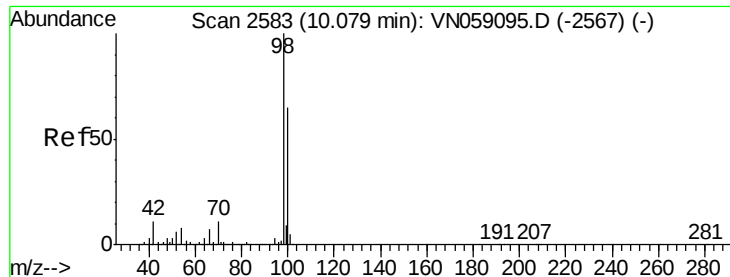


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.312 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

Instrument :

MSVOA_N

ClientSampled :

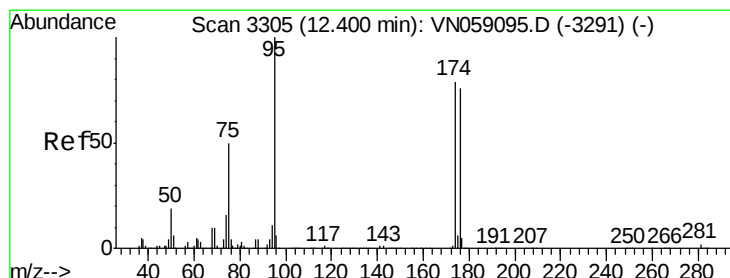
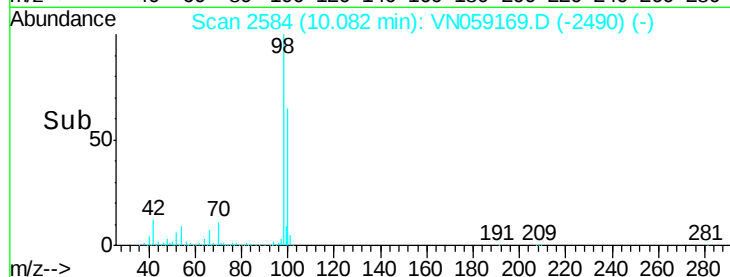
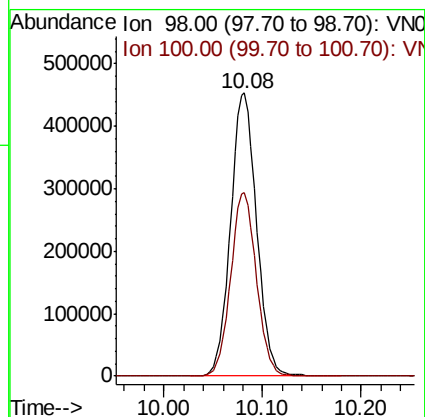
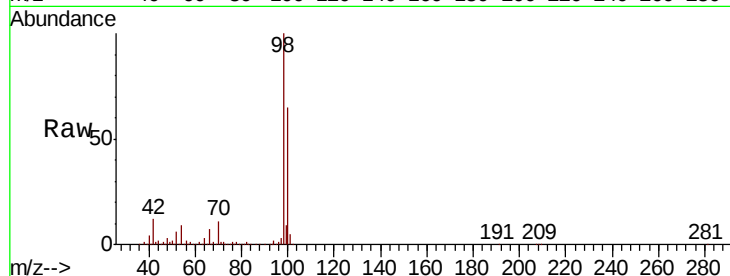
TP-2A

Tot Ion: 98 Resp: 837227

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 46.861 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

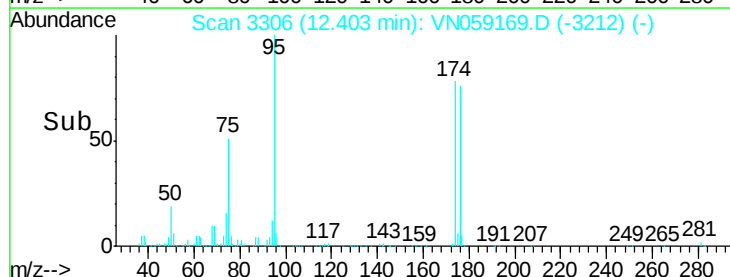
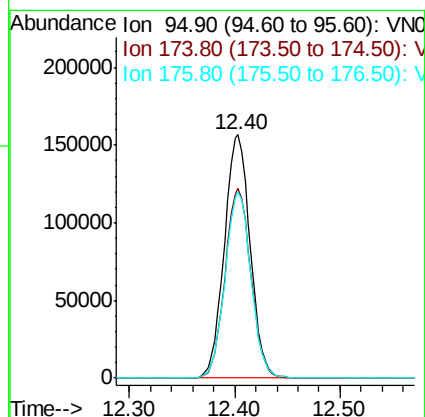
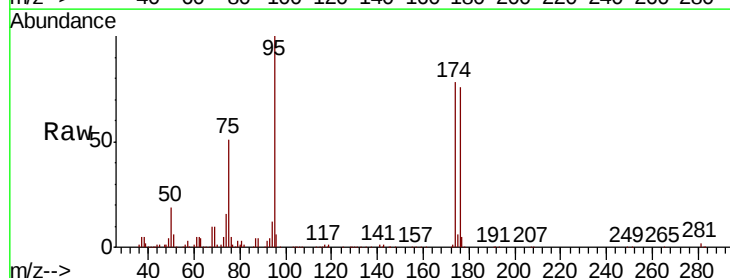
Tgt Ion: 95 Resp: 265347

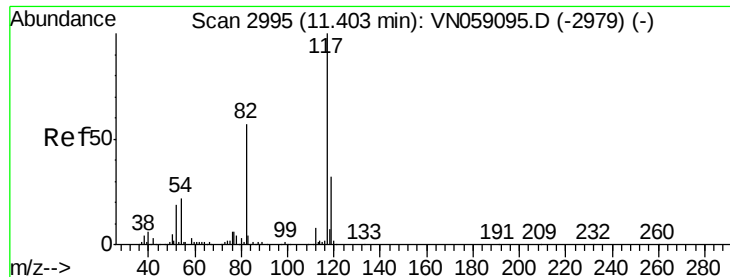
Ion Ratio Lower Upper

95 100

174 77.8 0.0 158.2

176 76.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

TP-2A

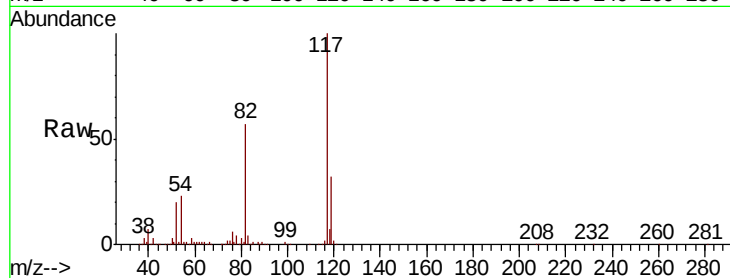
Tot Ion:117 Resp: 585568

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.8

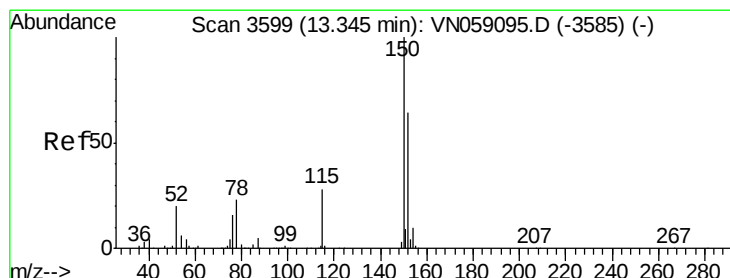
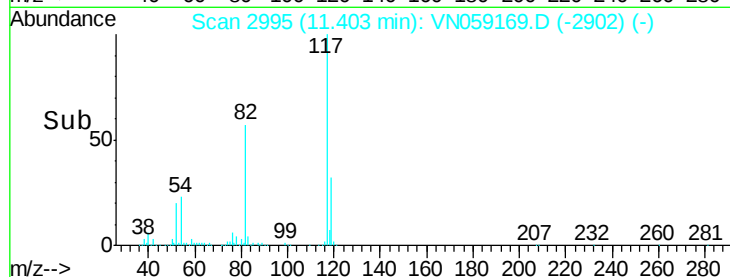
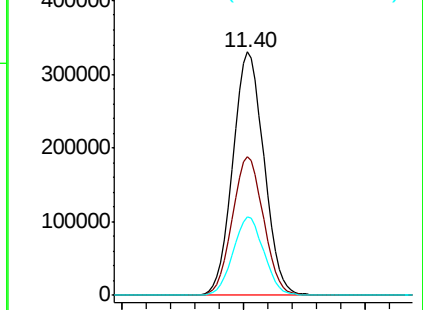
119 32.3 25.8 38.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059169.D

Acq: 11 Nov 2019 18:14

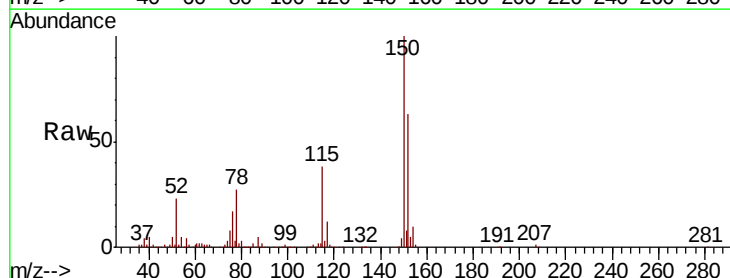
Tgt Ion:152 Resp: 213545

Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.2

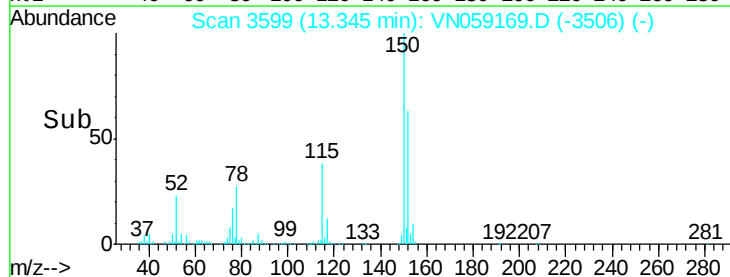
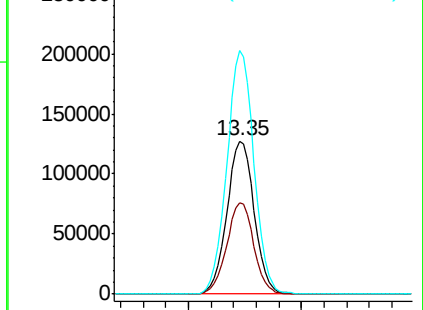
150 157.9 0.0 345.8

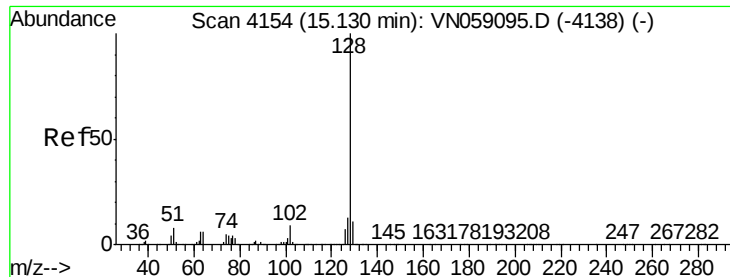


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#95

Naphthalene

Concen: 3.297 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

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Acq: 11 Nov 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

TP-2A

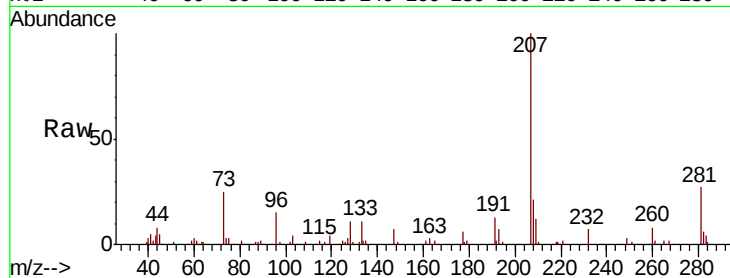
Tot Ion:128 Resp: 2976

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.2

129 3.4 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

