

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059284.D
 Acq On : 18 Nov 2019 15:22
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 19 08:03:43 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	7.65	168	473993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	724960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	635632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	255809	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	271911	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
35) Dibromofluoromethane	7.57	113	218496	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	10.08	98	883492	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.40	95	296616	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	

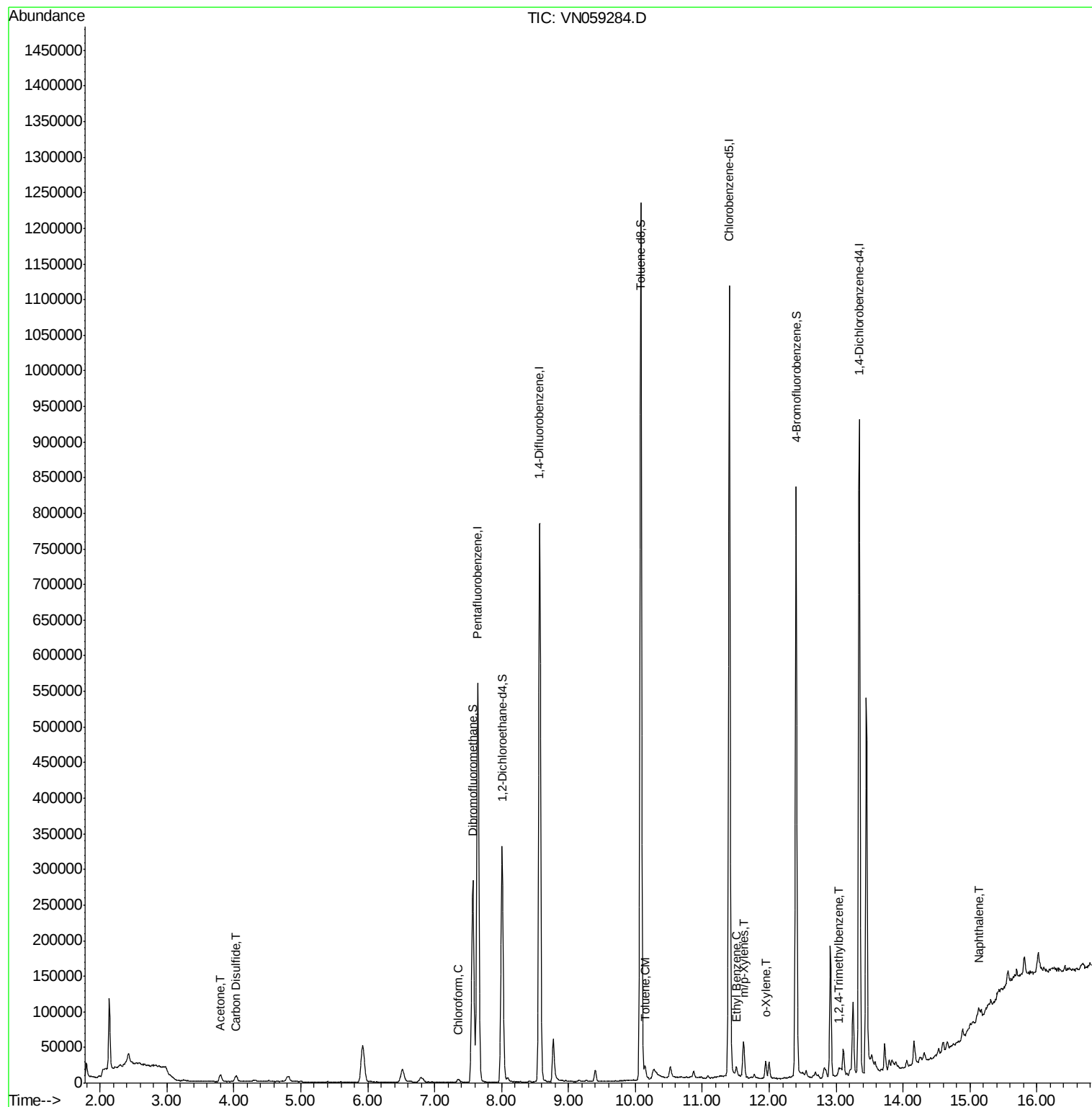
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	17162	5.664	ug/l	92
17) Carbon Disulfide	4.03	76	14268	1.040	ug/l #	76
30) Chloroform	7.35	83	4860	0.529	ug/l	92
52) Toluene	10.15	92	6288	0.514	ug/l	99
67) Ethyl Benzene	11.51	91	8222	0.374	ug/l	97
68) m/p-Xylenes	11.61	106	16437	1.996	ug/l	98
69) o-Xylene	11.95	106	6238	0.784	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	8393	0.550	ug/l	84
95) Naphthalene	15.13	128	11972	3.893	ug/l #	95

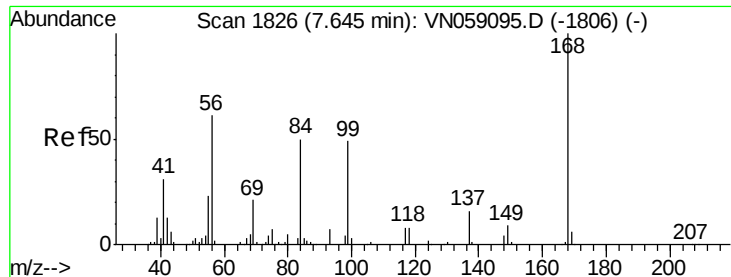
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059284.D

Acq: 18 Nov 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

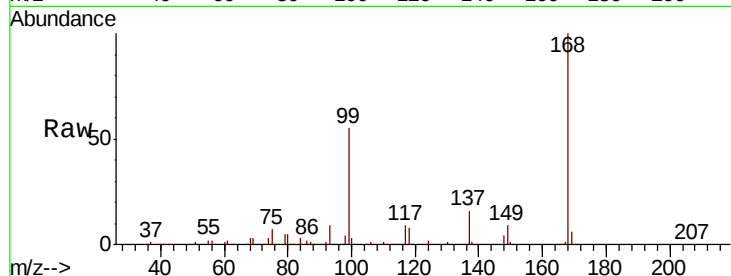
IBLK

Tot Ion:168 Resp: 473993

Ion Ratio Lower Upper

168 100

99 55.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

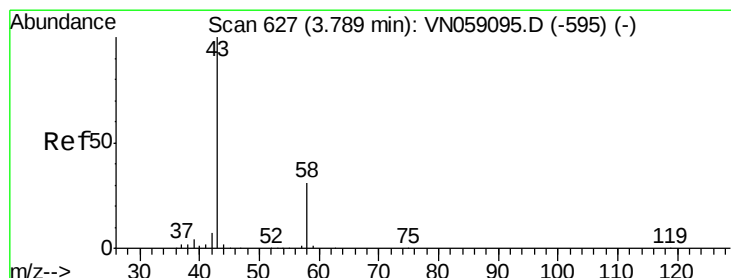
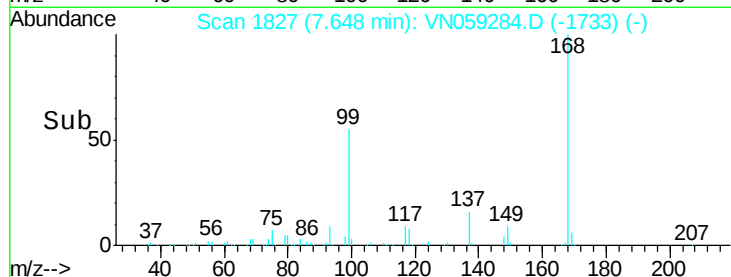
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 5.664 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059284.D

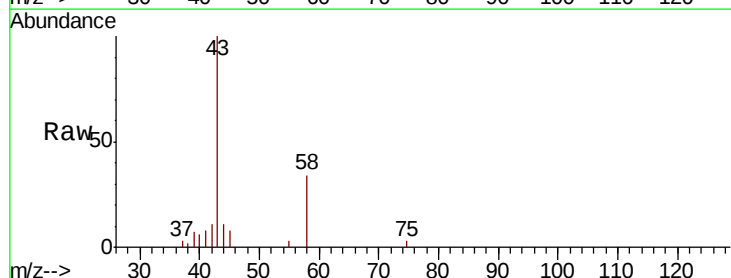
Acq: 18 Nov 2019 15:22

Tgt Ion: 43 Resp: 17162

Ion Ratio Lower Upper

43 100

58 35.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

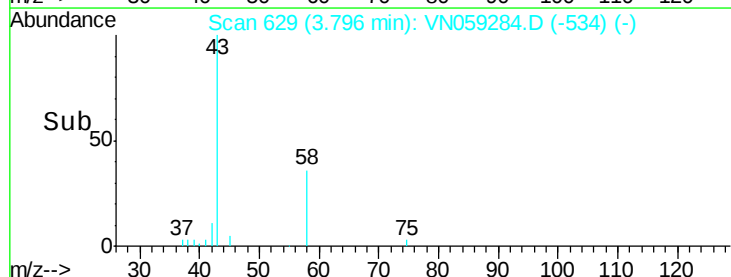
6000

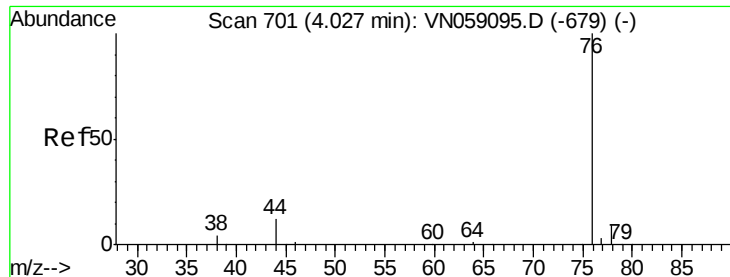
4000

2000

0

Time--> 3.70 3.80 3.90

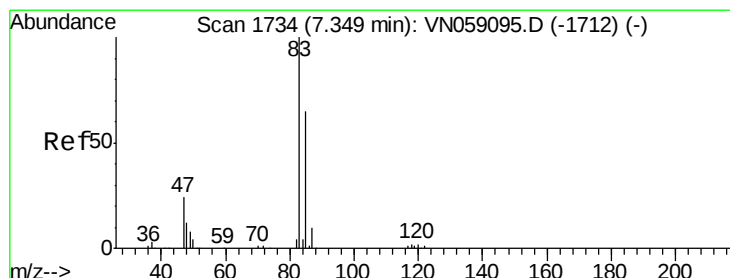
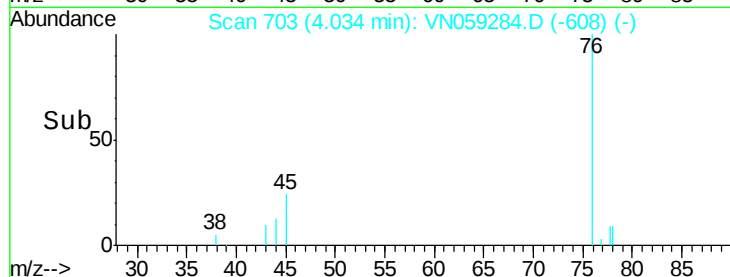
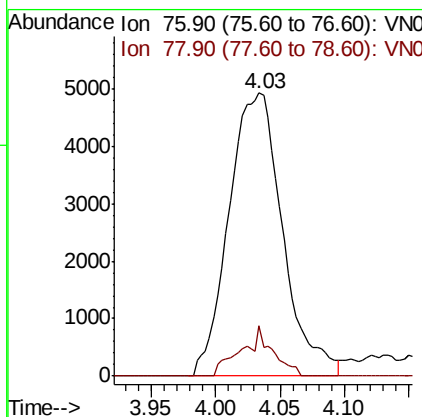
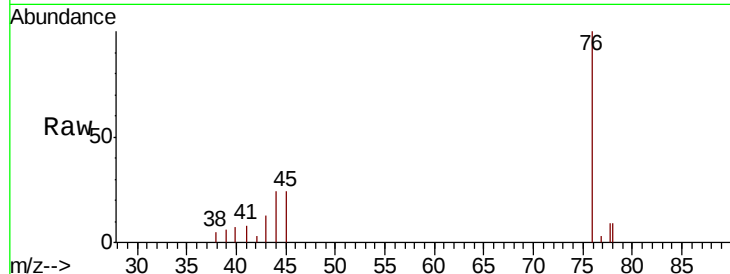




#17
Carbon Disulfide
Concen: 1.040 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN059284.D
Acq: 18 Nov 2019 15:22

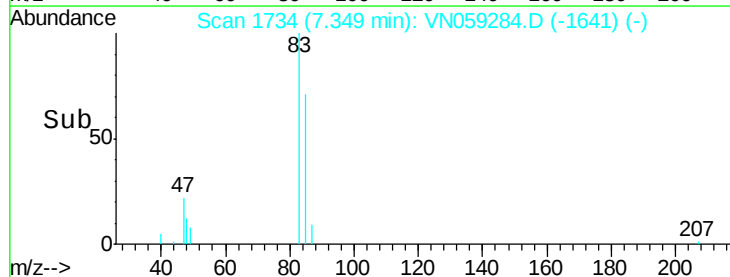
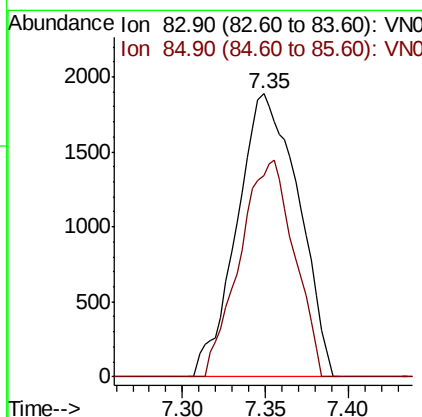
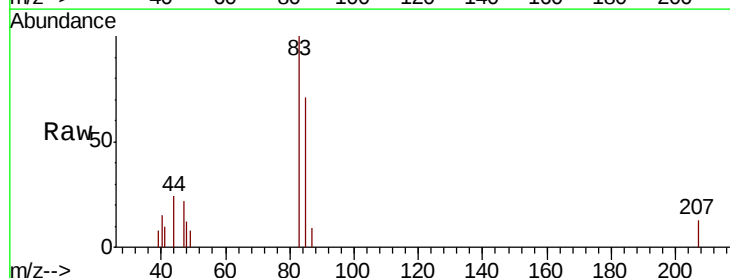
Instrument :
MSVOA_N
ClientSampled :
IBLK

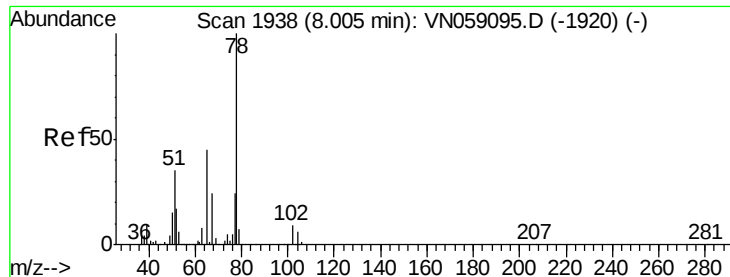
Tot Ion: 76 Resp: 14268
Ion Ratio Lower Upper
76 100
78 17.8 7.4 11.0#



#30
Chloroform
Concen: 0.529 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059284.D
Acq: 18 Nov 2019 15:22

Tgt Ion: 83 Resp: 4860
Ion Ratio Lower Upper
83 100
85 71.2 51.8 77.8

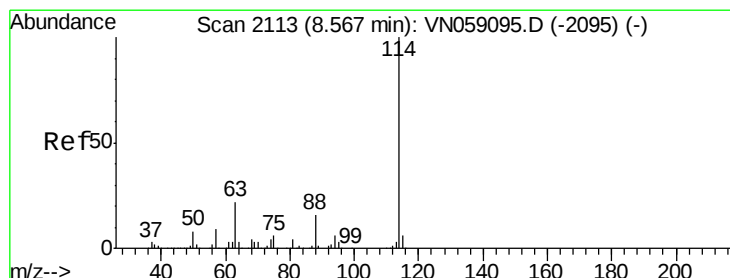
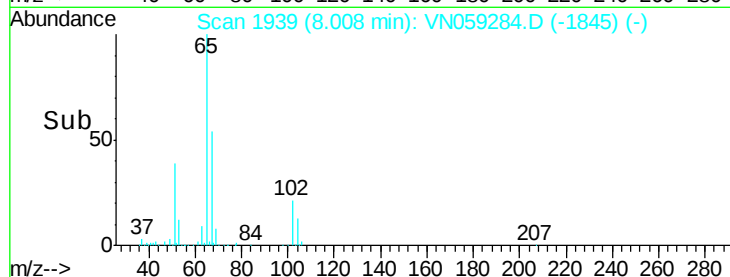
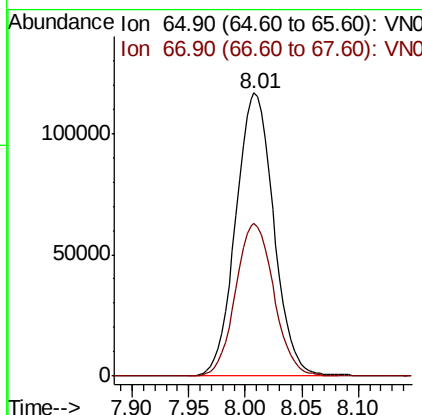
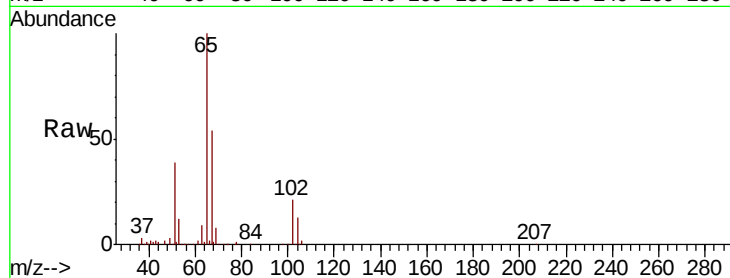




#33
 1,2-Dichloroethane-d4
 Concen: 46.667 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059284.D
 Acq: 18 Nov 2019 15:22

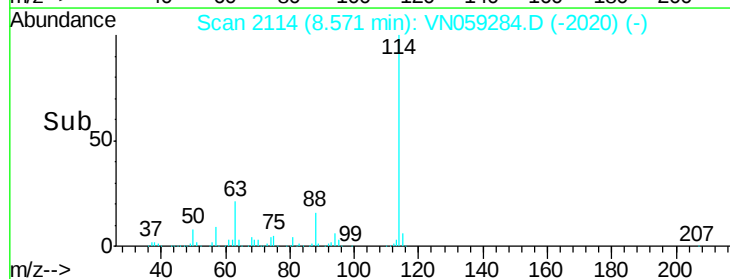
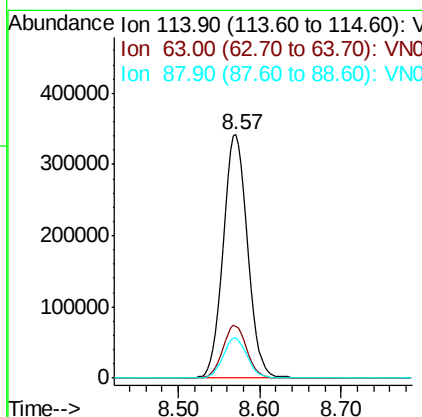
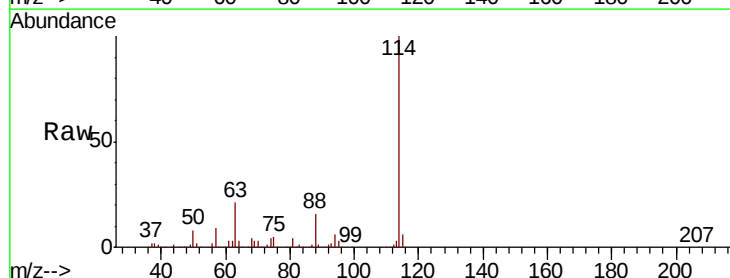
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

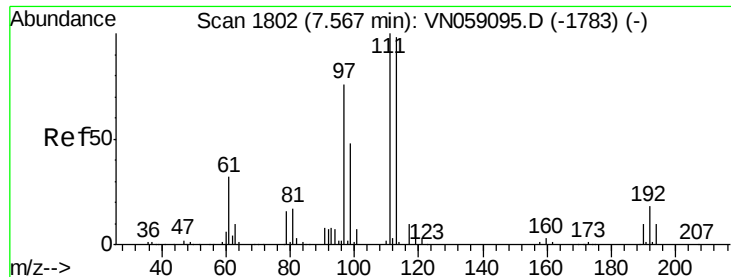
Tot Ion: 65 Resp: 271911
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059284.D
 Acq: 18 Nov 2019 15:22

Tgt Ion: 114 Resp: 724960
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.4
 88 16.3 0.0 32.2

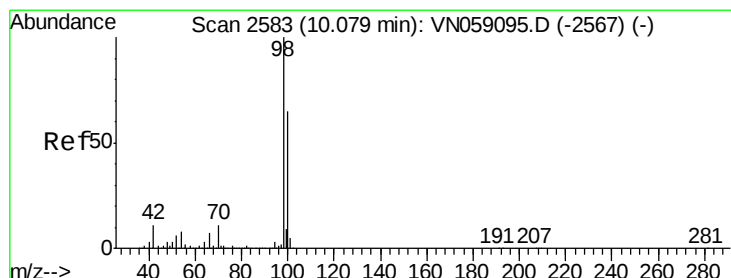
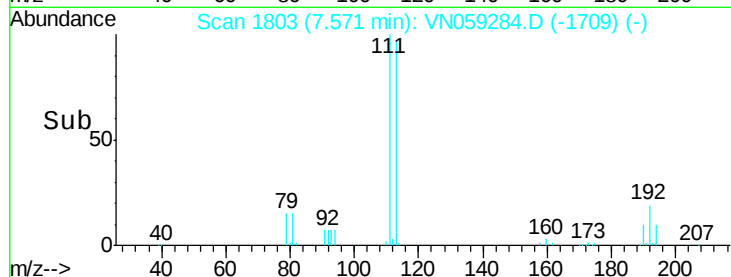
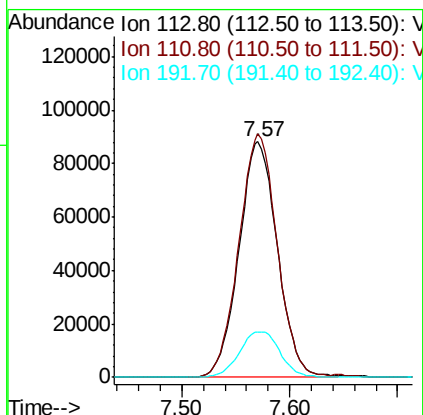
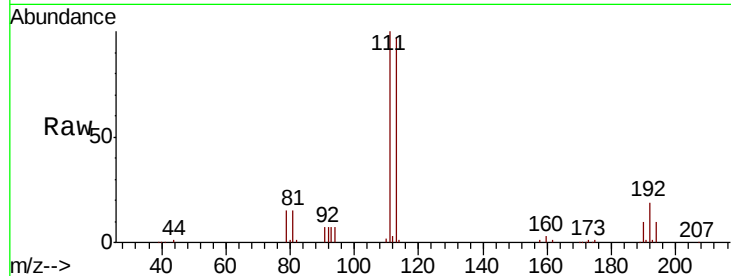




#35
Dibromofluoromethane
Concen: 50.476 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059284.D
Acq: 18 Nov 2019 15:22

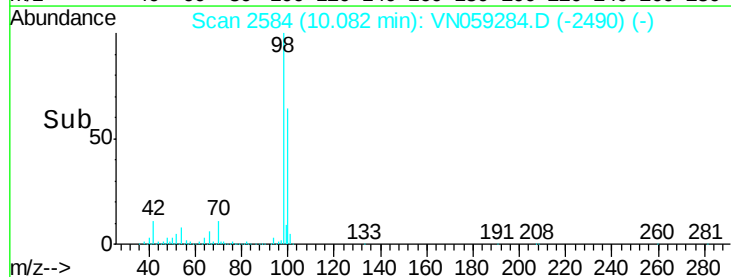
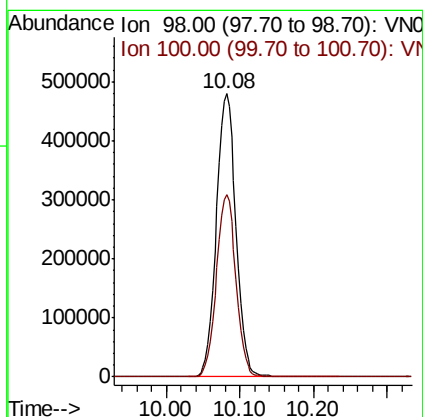
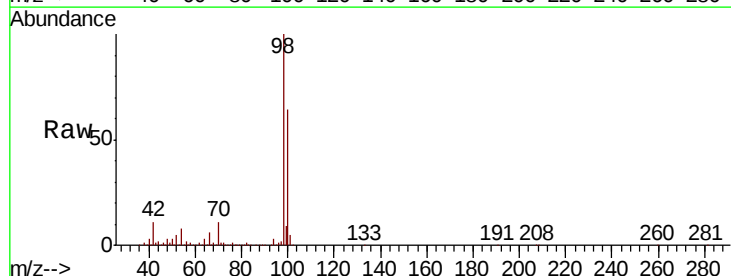
Instrument :
MSVOA_N
ClientSampleId :
IBLK

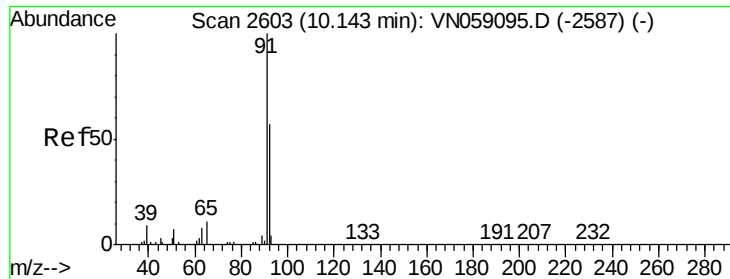
Tot Ion:113 Resp: 218496
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 20.4 16.1 24.1



#50
Toluene-d8
Concen: 51.816 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059284.D
Acq: 18 Nov 2019 15:22

Tgt Ion: 98 Resp: 883492
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2





#52

Toluene

Concen: 0.514 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.01 min

Lab File: VN059284.D

Acq: 18 Nov 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

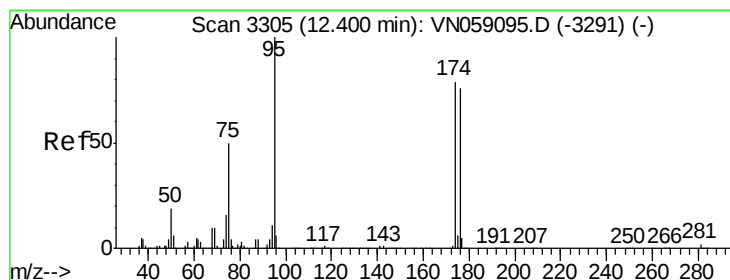
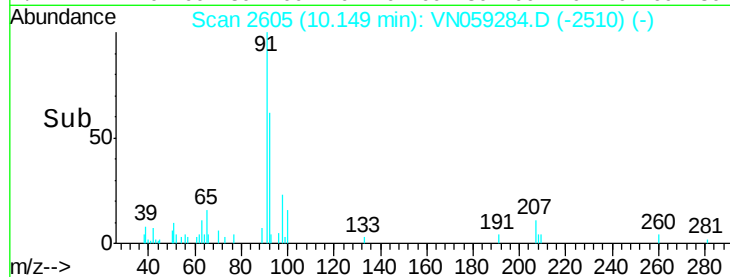
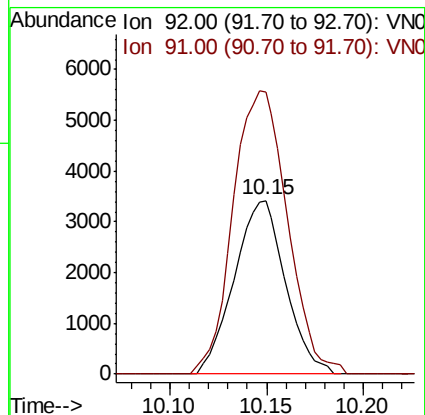
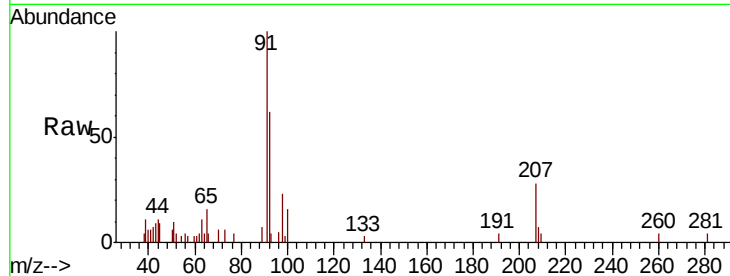
IBLK

Tot Ion: 92 Resp: 6288

Ion Ratio Lower Upper

92 100

91 173.2 139.5 209.3



#62

4-Bromofluorobenzene

Concen: 48.248 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059284.D

Acq: 18 Nov 2019 15:22

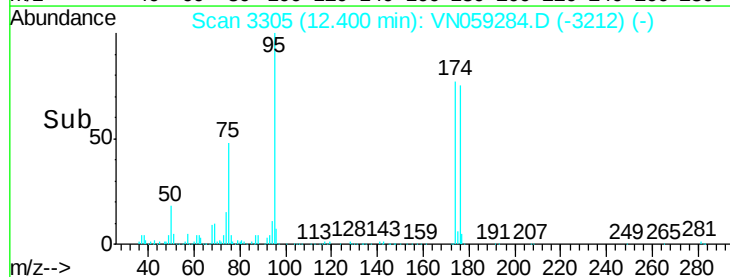
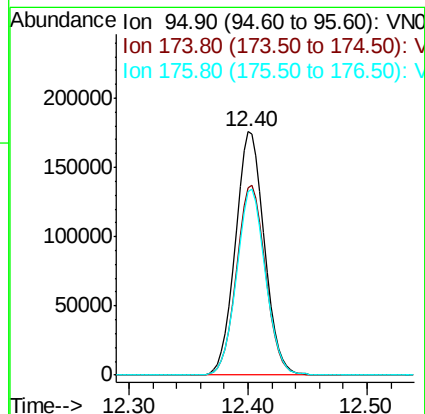
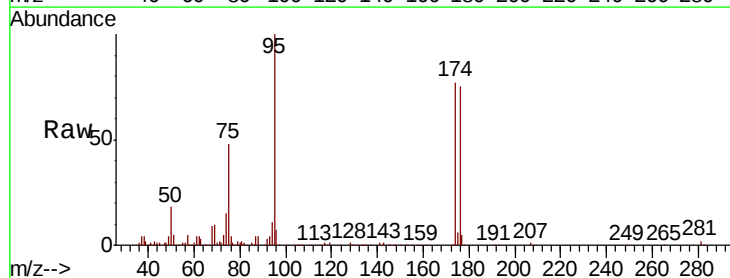
Tgt Ion: 95 Resp: 296616

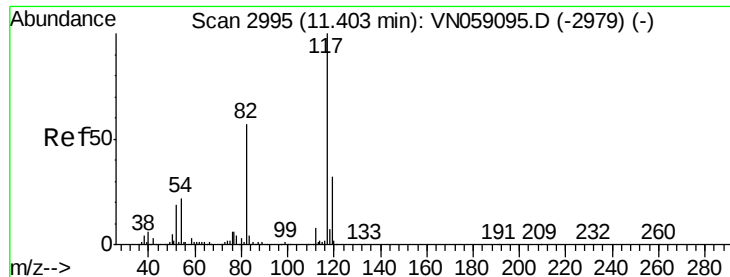
Ion Ratio Lower Upper

95 100

174 78.1 0.0 158.2

176 76.0 0.0 151.8

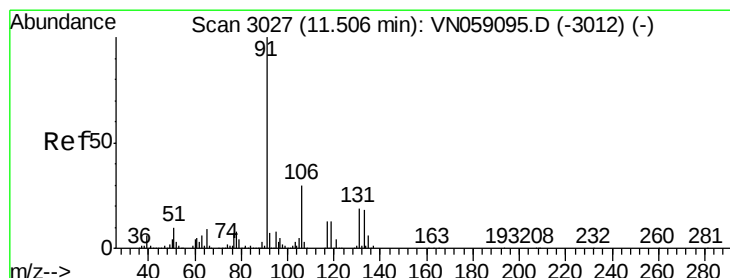
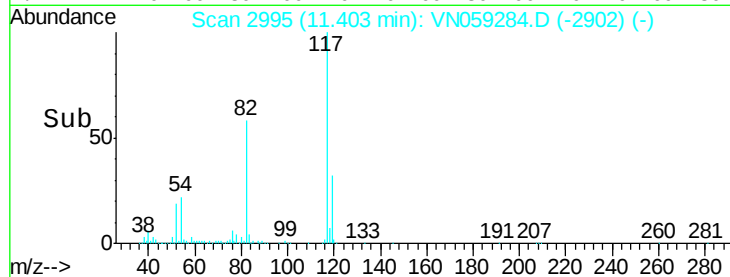
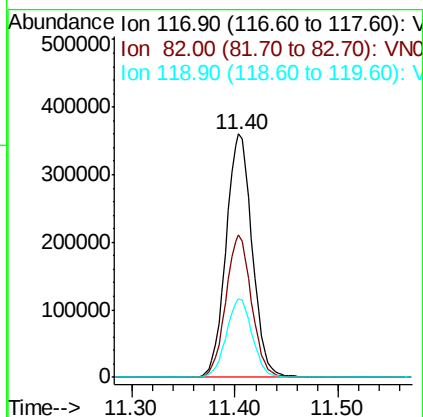
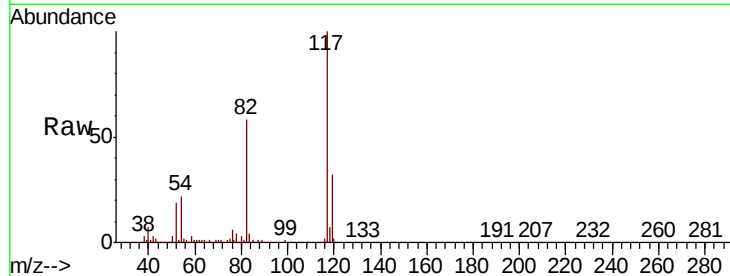




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059284.D
Acq: 18 Nov 2019 15:22

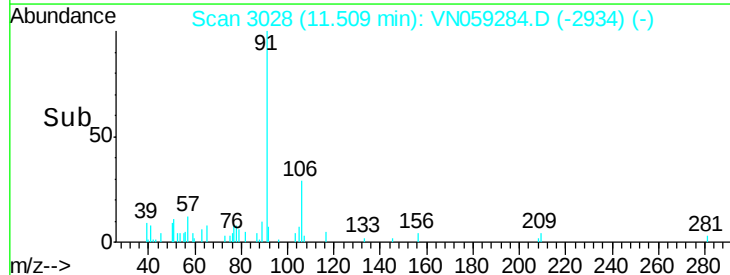
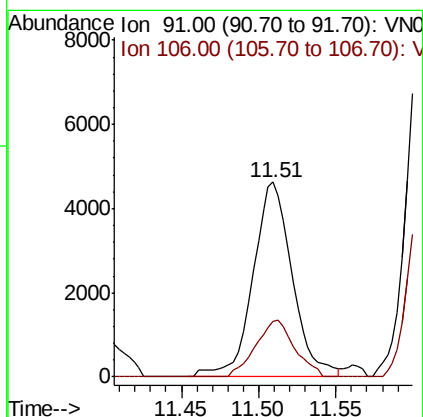
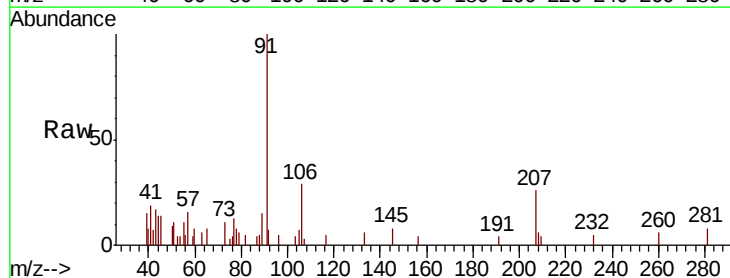
Instrument :
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IBLK

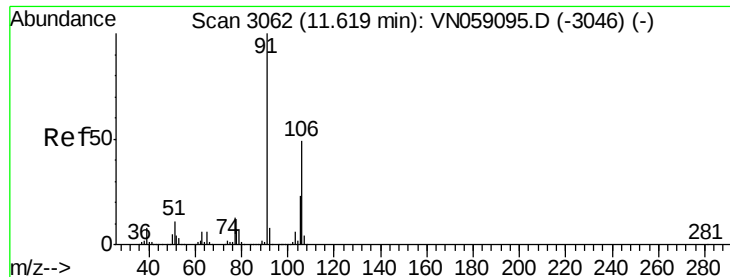
Tot Ion:117 Resp: 635632
Ion Ratio Lower Upper
117 100
82 58.4 45.8 68.8
119 32.4 25.8 38.6



#67
Ethyl Benzene
Concen: 0.374 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059284.D
Acq: 18 Nov 2019 15:22

Tgt Ion: 91 Resp: 8222
Ion Ratio Lower Upper
91 100
106 28.6 24.1 36.1





#68

m/p-Xylenes

Concen: 1.996 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.01 min

Lab File: VN059284.D

Acq: 18 Nov 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

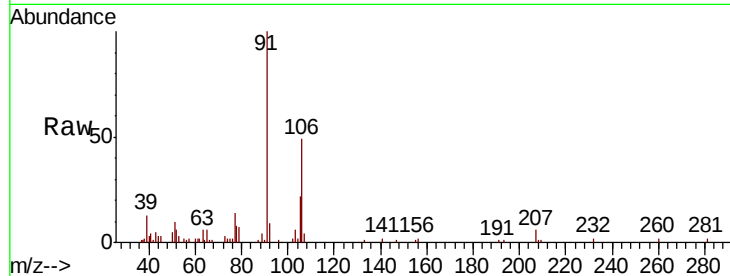
IBLK

Tot Ion:106 Resp: 16437

Ion Ratio Lower Upper

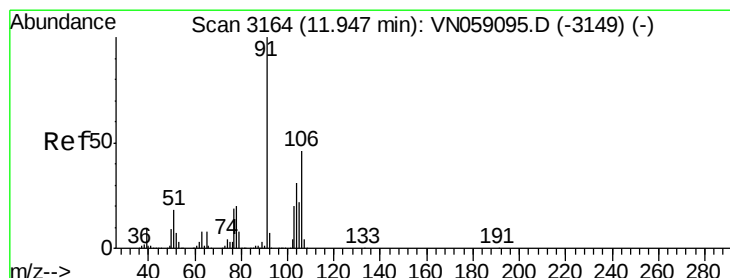
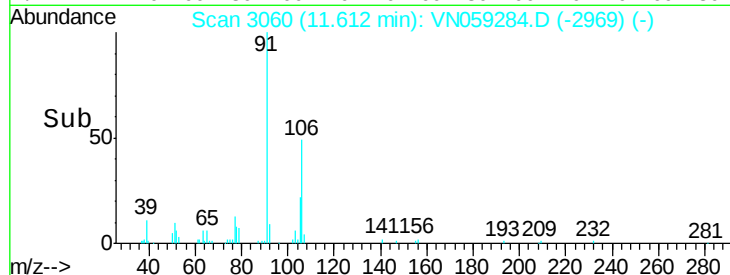
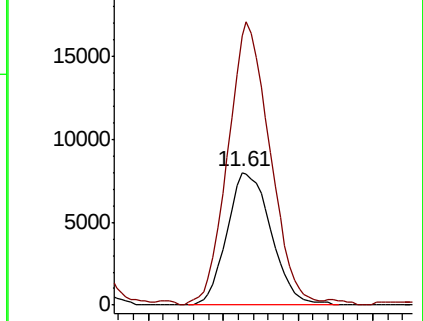
106 100

91 203.3 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.784 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN059284.D

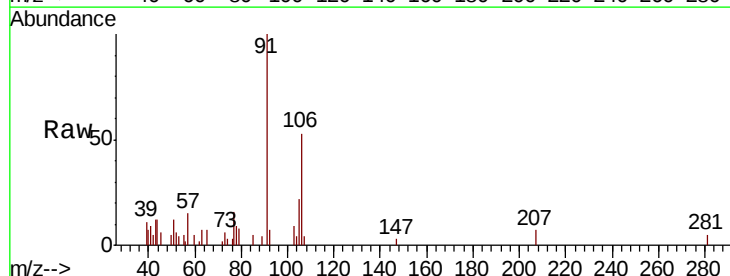
Acq: 18 Nov 2019 15:22

Tgt Ion:106 Resp: 6238

Ion Ratio Lower Upper

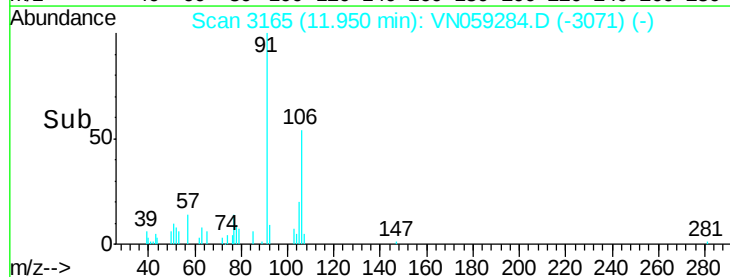
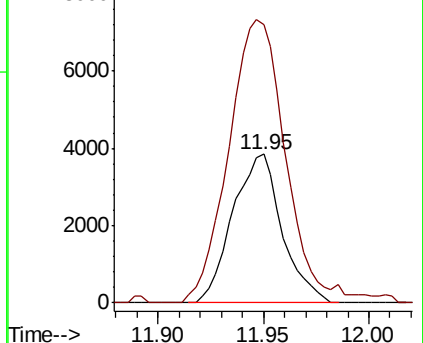
106 100

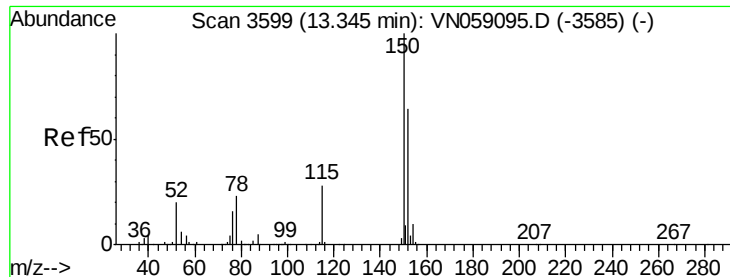
91 221.6 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059284.D

Acq: 18 Nov 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

IBLK

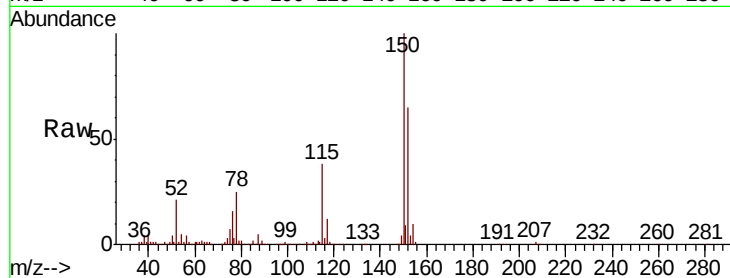
Tot Ion:152 Resp: 255809

Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.2

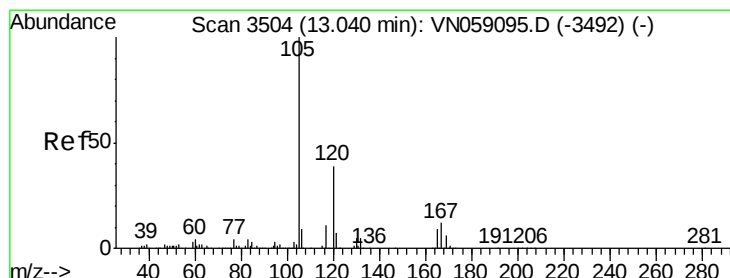
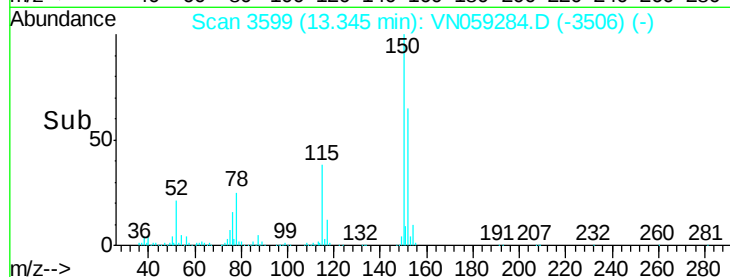
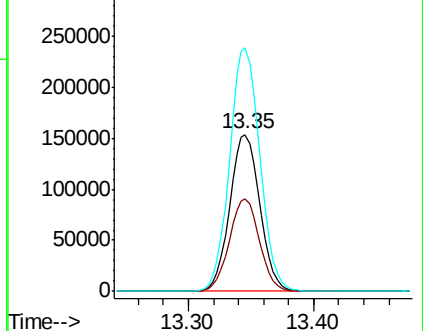
150 156.5 0.0 345.8



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



#84

1,2,4-Trimethylbenzene

Concen: 0.550 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059284.D

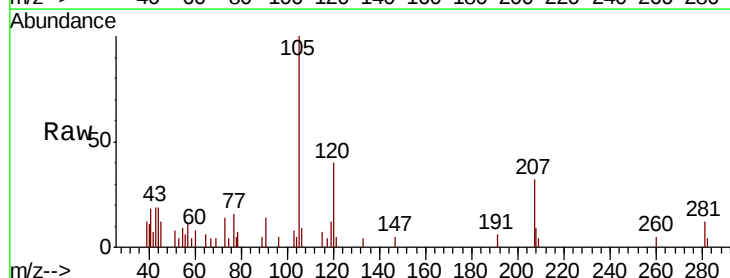
Acq: 18 Nov 2019 15:22

Tgt Ion:105 Resp: 8393

Ion Ratio Lower Upper

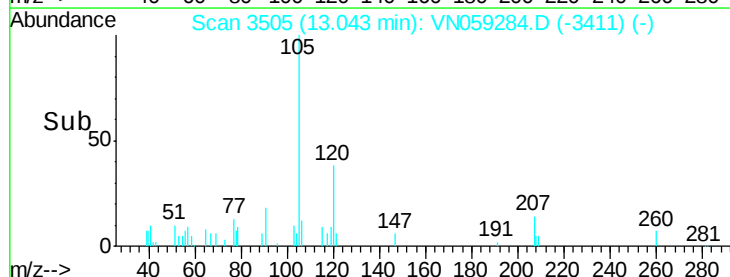
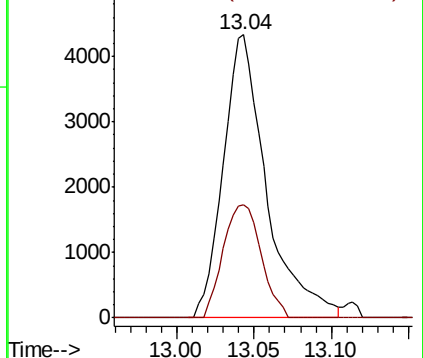
105 100

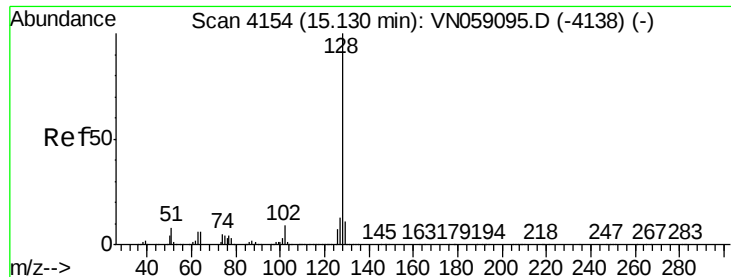
120 35.0 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 3.893 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059284.D

Acq: 18 Nov 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

IBLK

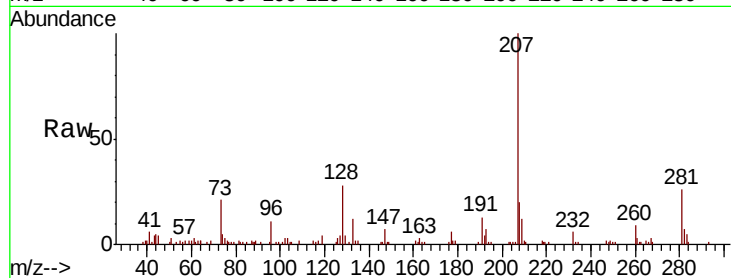
Tot Ion:128 Resp: 11972

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 14.6 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

