

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
 Data File : VN053728.D
 Acq On : 12 Feb 2019 14:13
 Operator : JC/SP
 Sample : K1457-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-SOIL-04

Quant Time: Feb 13 05:08:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

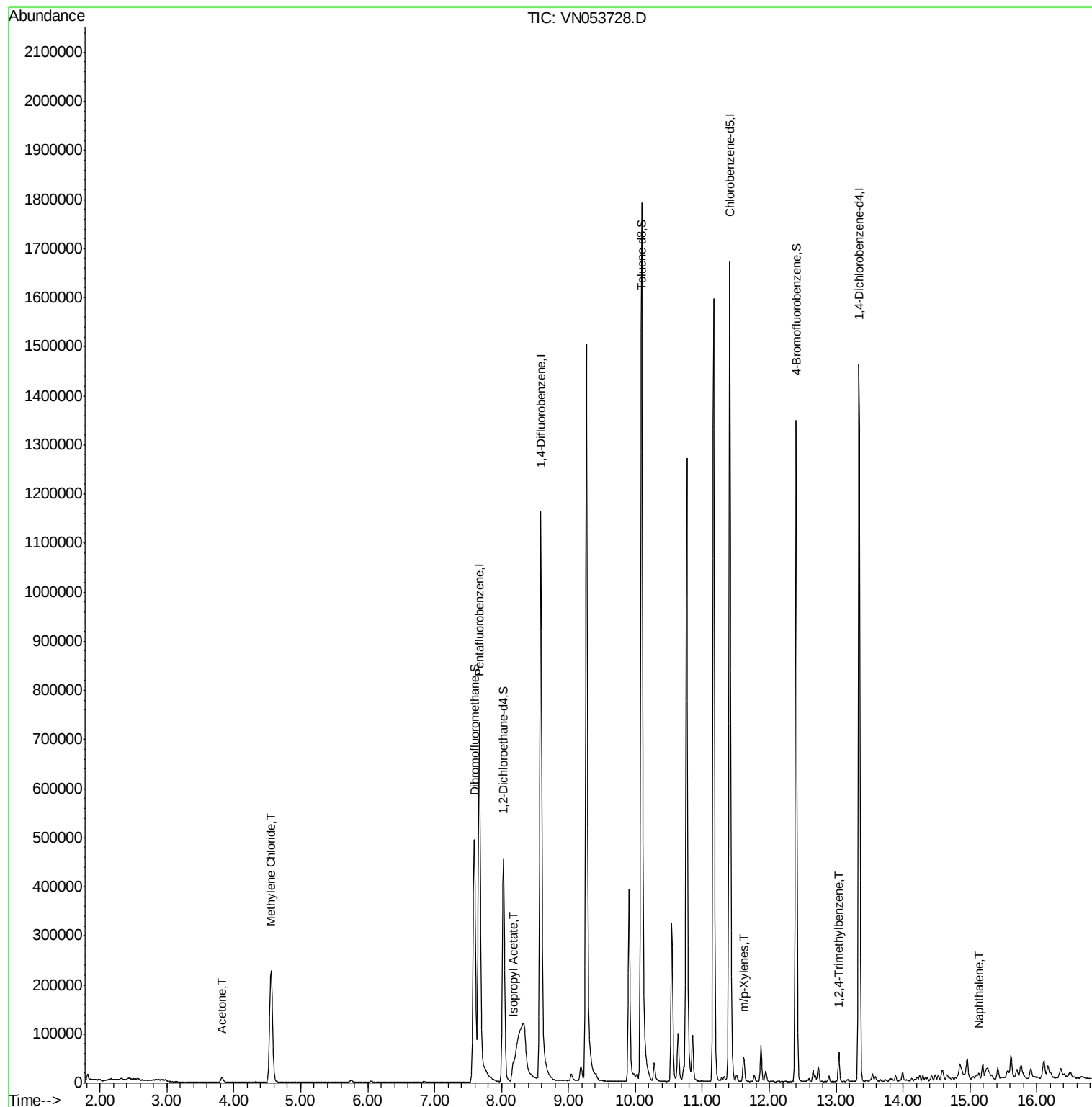
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	752824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1235920	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1106707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	433119	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	392677	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	7.59	113	395044	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.09	98	1484815	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.40	95	476469	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
Target Compounds						
16) Acetone	3.82	43	17358	8.960	ug/l	96
20) Methylene Chloride	4.55	84	183037	22.521	ug/l	95
43) Isopropyl Acetate	8.18	43	39813	3.313	ug/l #	83
68) m/p-Xylenes	11.62	106	17455	1.184	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	33965	1.320	ug/l	97
95) Naphthalene	15.13	128	9031	2.194	ug/l #	94

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 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: VN053728.D

Acq: 12 Feb 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

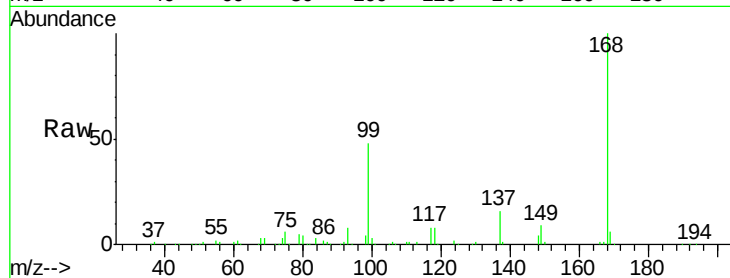
IDW-SOIL-04

Tot Ion:168 Resp: 752824

Ion Ratio Lower Upper

168 100

99 48.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053728.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053728.D (-1740) (-)

7.67

300000

250000

200000

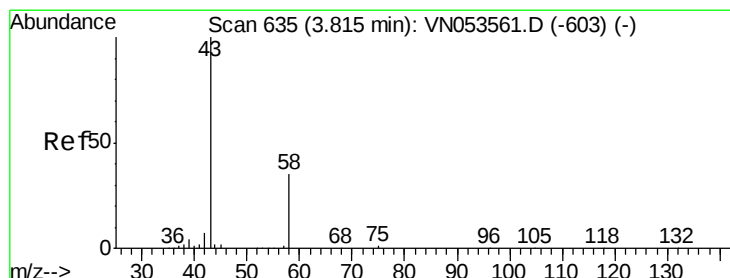
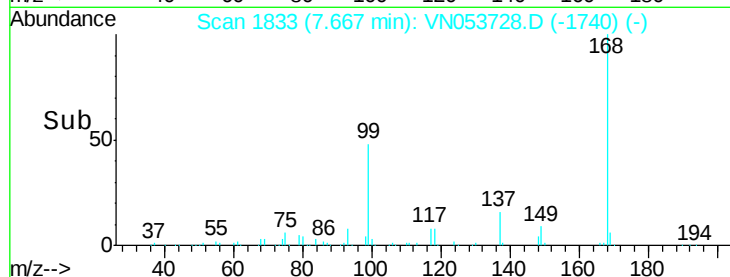
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 8.960 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053728.D

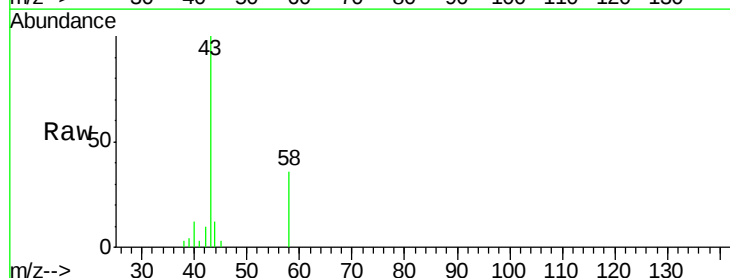
Acq: 12 Feb 2019 14:13

Tgt Ion: 43 Resp: 17358

Ion Ratio Lower Upper

43 100

58 35.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053728.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053728.D (-542) (-)

3.82

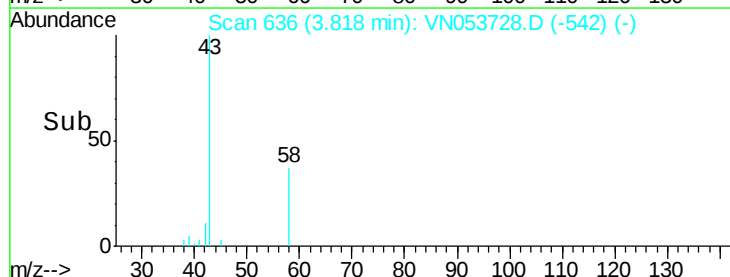
6000

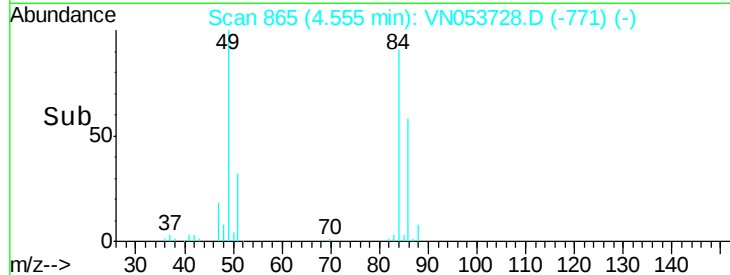
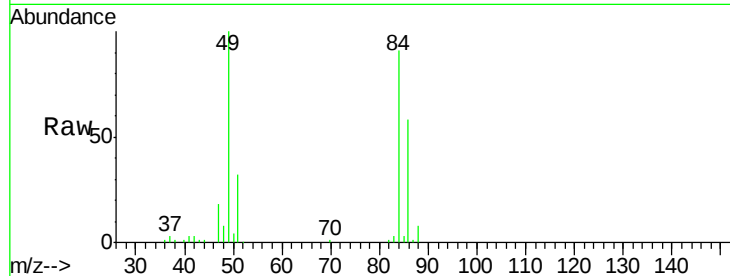
4000

2000

0

Time--> 3.70 3.75 3.80 3.85 3.90

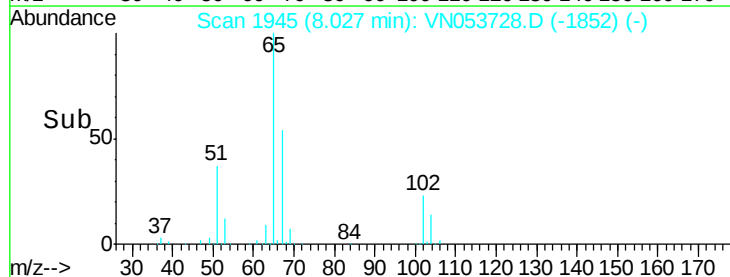
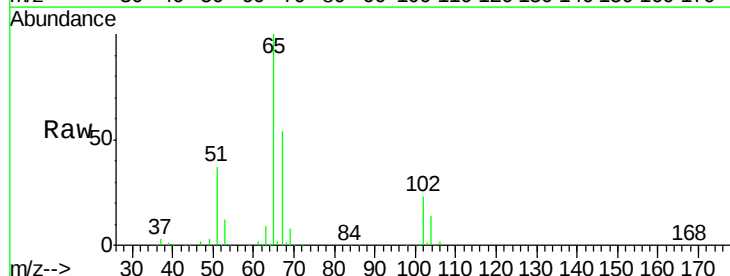
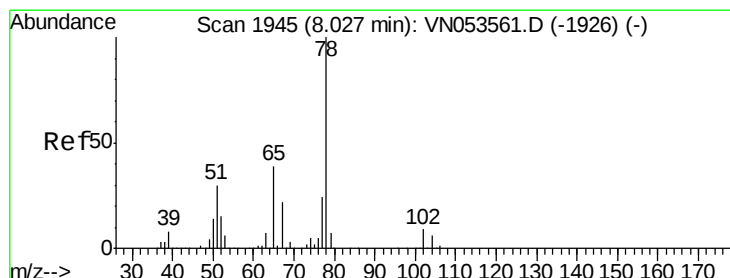
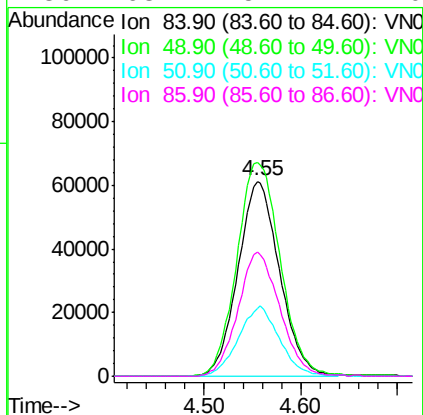




#20
Methvlene Chloride
Concen: 22.521 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053728.D
Acq: 12 Feb 2019 14:13

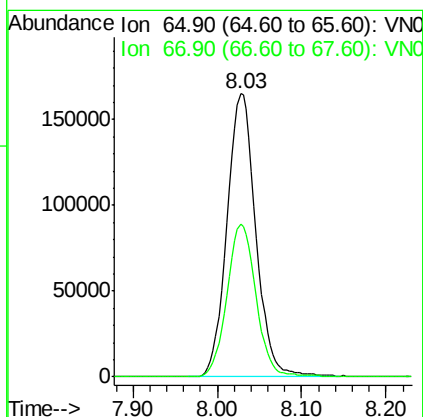
Instrument :
MSVOA_N
ClientSampled :
IDW-SOIL-04

Tot Ion:	84	Resp:	183037
Ion	Ratio	Lower	Upper
84	100		
49	109.5	94.3	141.5
51	34.8	29.4	44.2
86	63.4	51.4	77.0



#33
1,2-Dichloroethane-d4
Concen: 51.995 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053728.D
Acq: 12 Feb 2019 14:13

Tgt Ion:	65	Resp:	392677
Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	111.2

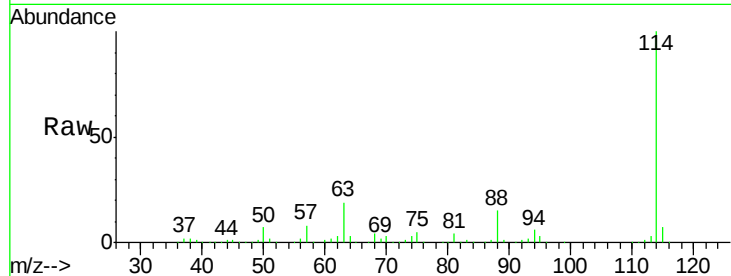




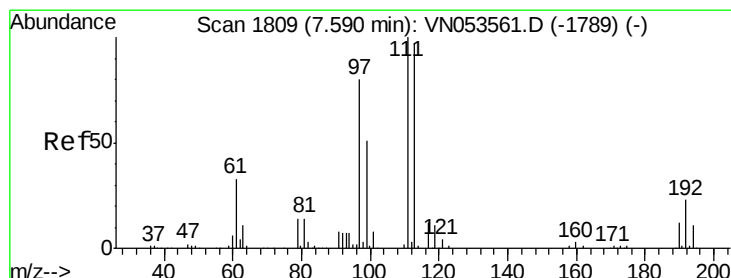
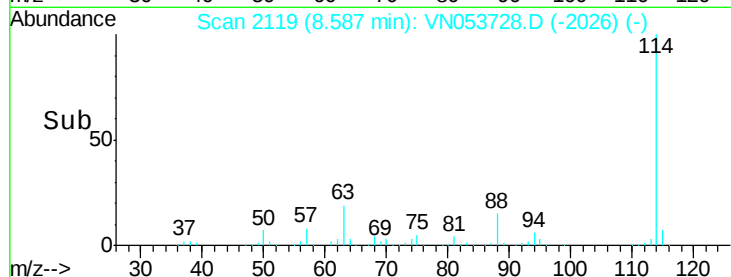
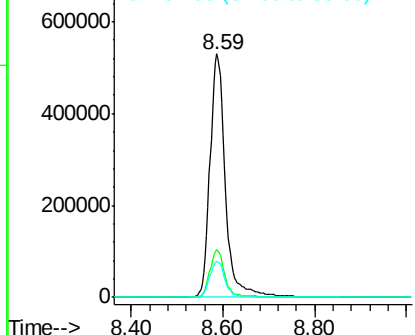
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053728.D
 Acq: 12 Feb 2019 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-SOIL-04

Tot Ion:114 Resp: 1235920
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 14.7 0.0 30.4

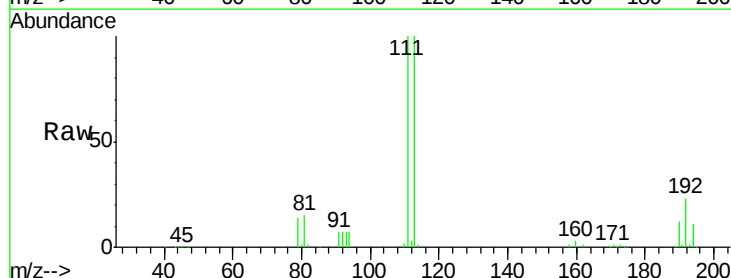


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

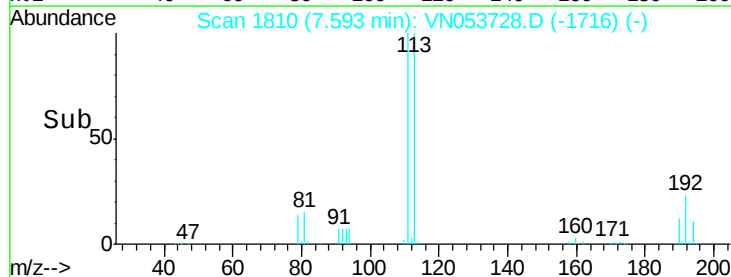
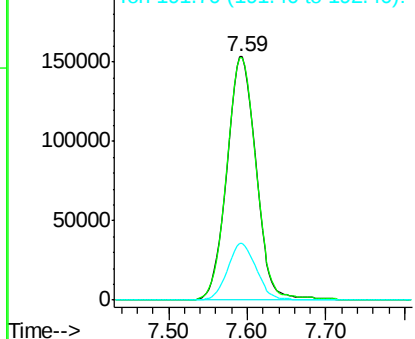


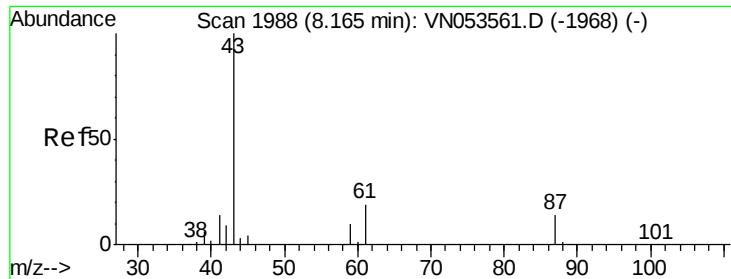
#35
 Dibromofluoromethane
 Concen: 50.586 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053728.D
 Acq: 12 Feb 2019 14:13

Tgt Ion:113 Resp: 395044
 Ion Ratio Lower Upper
 113 100
 111 100.5 81.1 121.7
 192 23.0 18.2 27.2



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: 3.313 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN053728.D

Acq: 12 Feb 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

IDW-SOIL-04

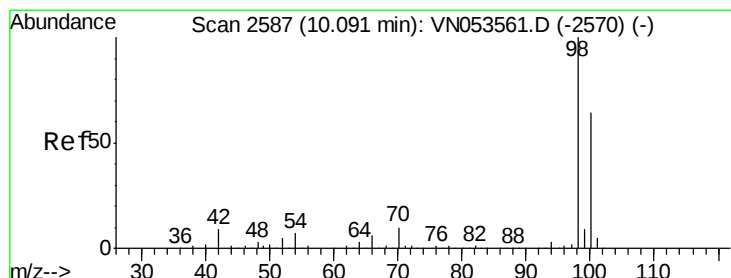
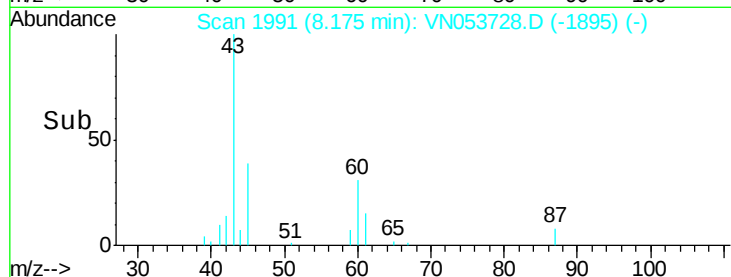
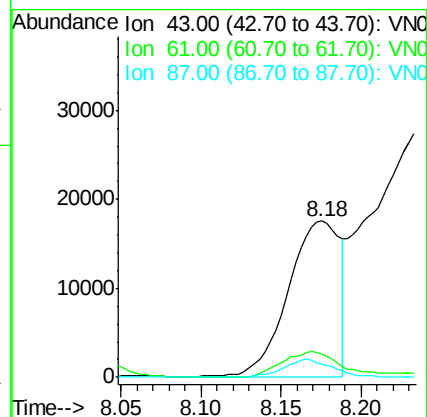
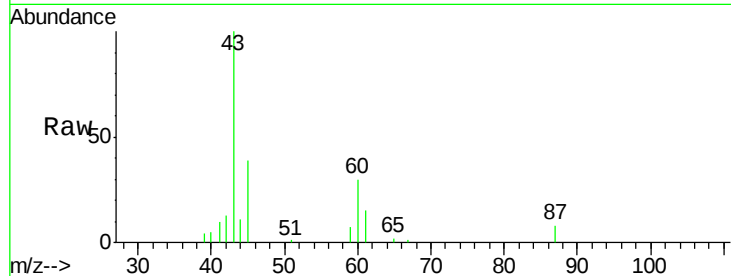
Tot Ion: 43 Resp: 39813

Ion Ratio Lower Upper

43 100

61 18.4 23.9 35.9#

87 10.7 11.0 16.6#



#50

Toluene-d8

Concen: 50.637 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053728.D

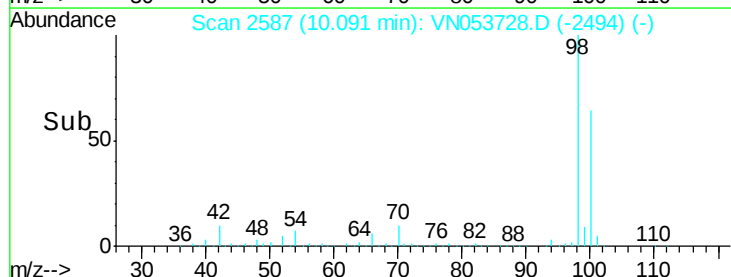
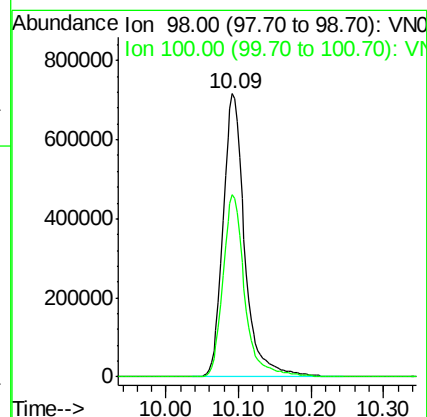
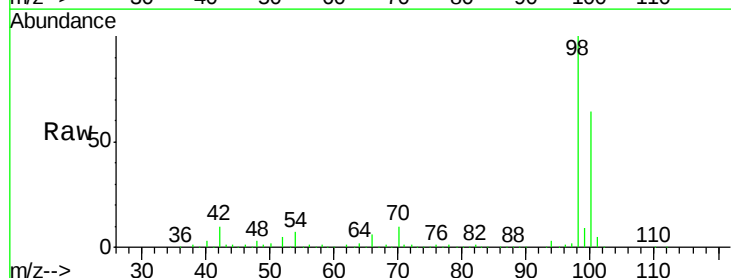
Acq: 12 Feb 2019 14:13

Tgt Ion: 98 Resp: 1484815

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 48.720 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053728.D

Acq: 12 Feb 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

IDW-SOIL-04

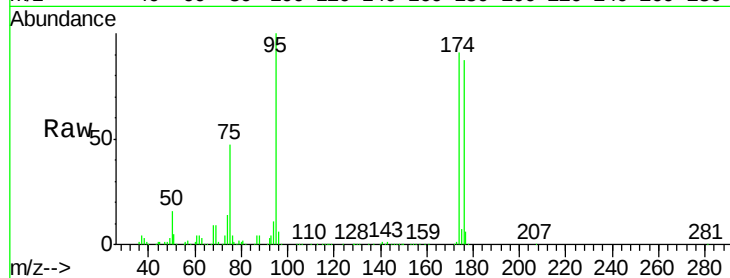
Tot Ion: 95 Resp: 476469

Ion Ratio Lower Upper

95 100

174 93.0 0.0 183.2

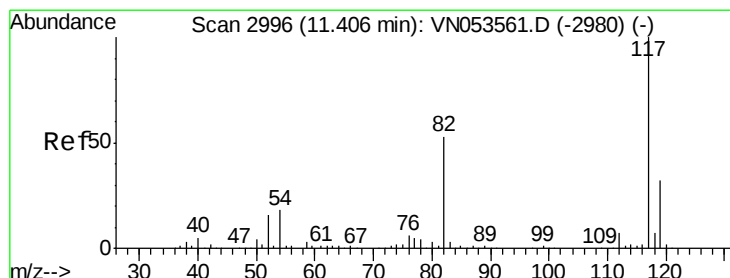
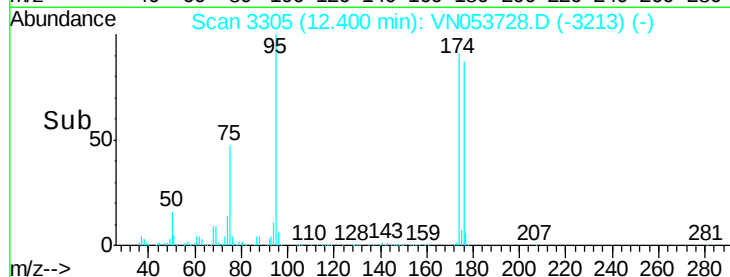
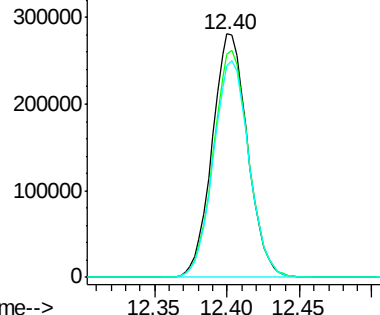
176 89.9 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053728.D

Acq: 12 Feb 2019 14:13

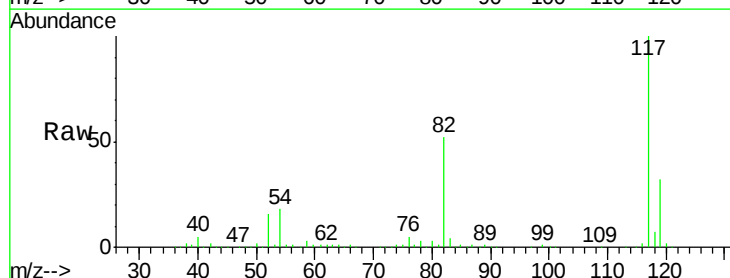
Tgt Ion: 117 Resp: 1106707

Ion Ratio Lower Upper

117 100

82 52.4 42.9 64.3

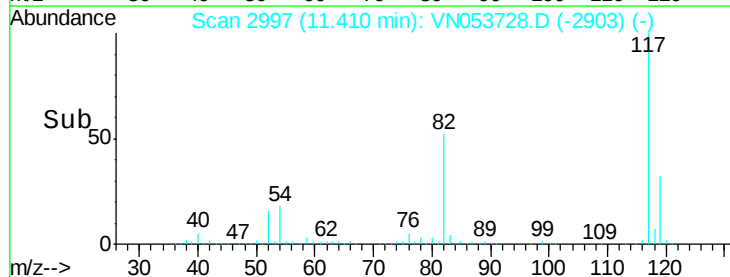
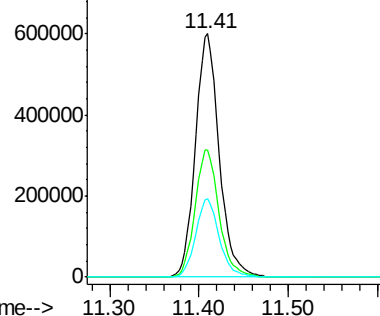
119 32.3 26.0 39.0

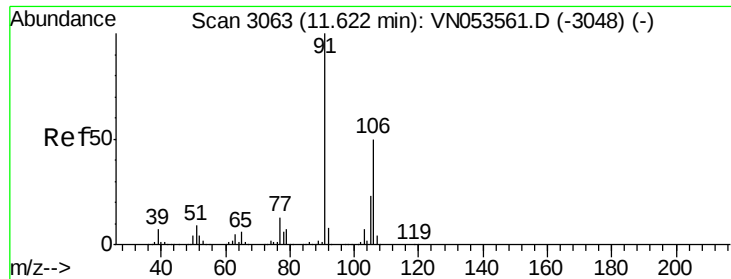


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)

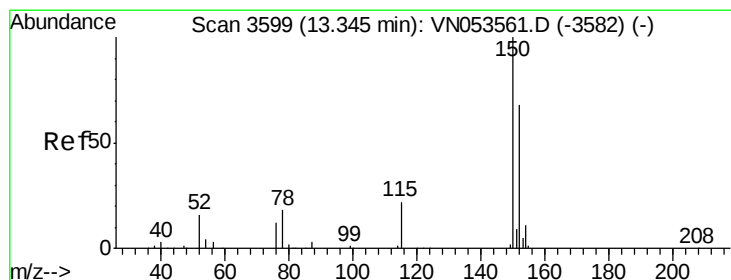
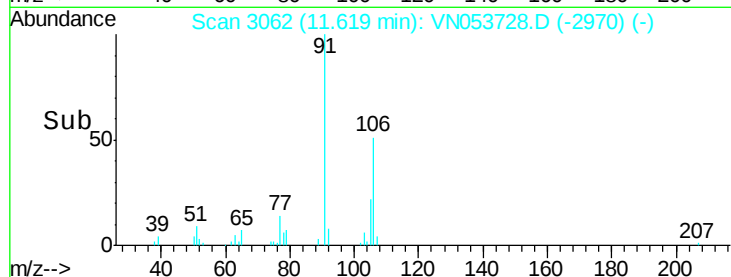
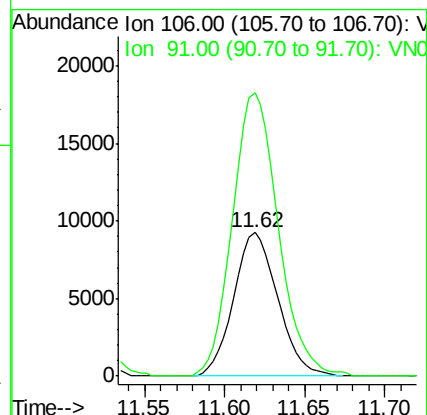
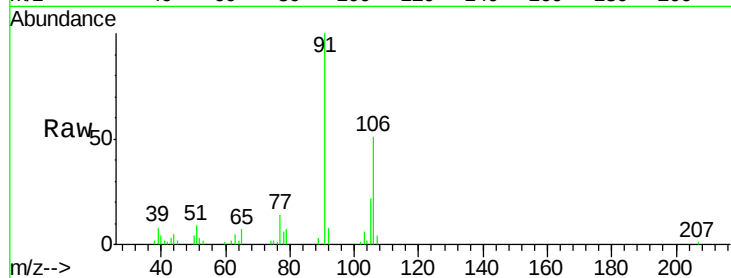




#68
m/p-Xvlenes
Concen: 1.184 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053728.D
Acq: 12 Feb 2019 14:13

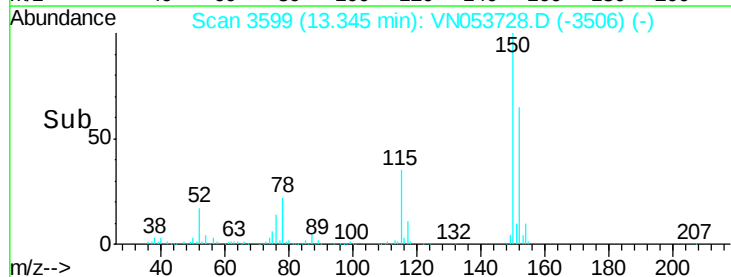
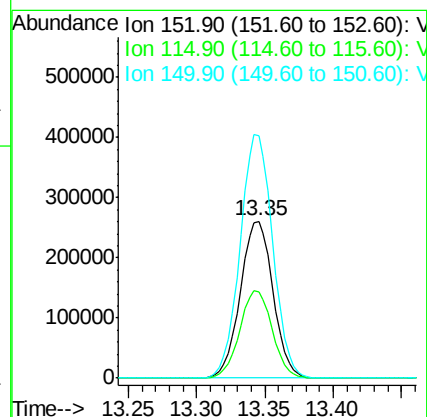
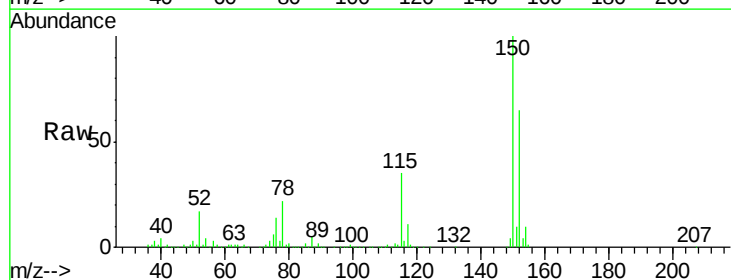
Instrument :
MSVOA_N
ClientSampled :
IDW-SOIL-04

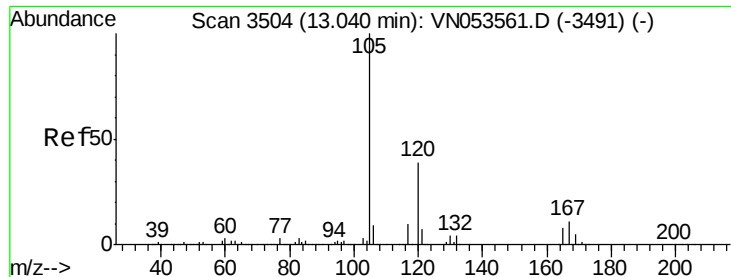
Tot Ion:106 Resp: 17455
Ion Ratio Lower Upper
106 100
91 204.6 161.4 242.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053728.D
Acq: 12 Feb 2019 14:13

Tgt Ion:152 Resp: 433119
Ion Ratio Lower Upper
152 100
115 55.4 27.8 83.4
150 155.1 0.0 349.0





#84

1,2,4-Trimethylbenzene

Concen: 1.320 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053728.D

Acq: 12 Feb 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

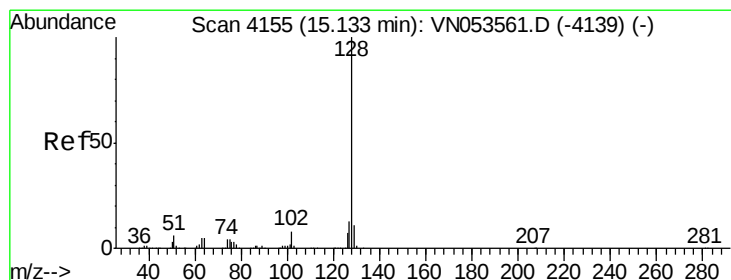
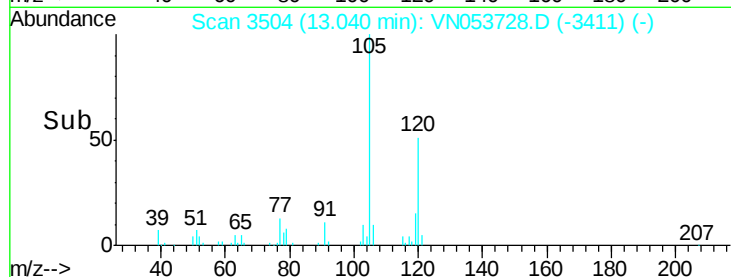
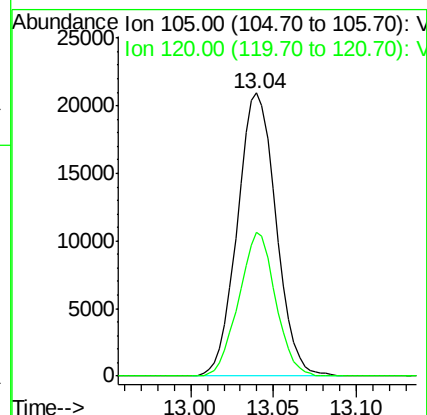
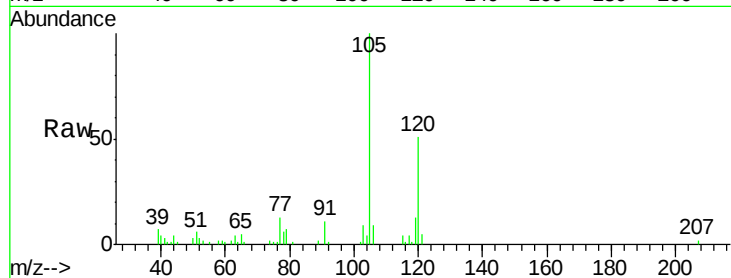
IDW-SOIL-04

Tot Ion:105 Resp: 33965

Ion Ratio Lower Upper

105 100

120 48.0 23.0 69.0



#95

Naphthalene

Concen: 2.194 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053728.D

Acq: 12 Feb 2019 14:13

Tgt Ion:128 Resp: 9031

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 15.8 8.6 13.0#

