

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052777.D
 Acq On : 11 Dec 2018 3:11
 Operator : MD\SY
 Sample : J6290-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL

Quant Time: Dec 11 03:47:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

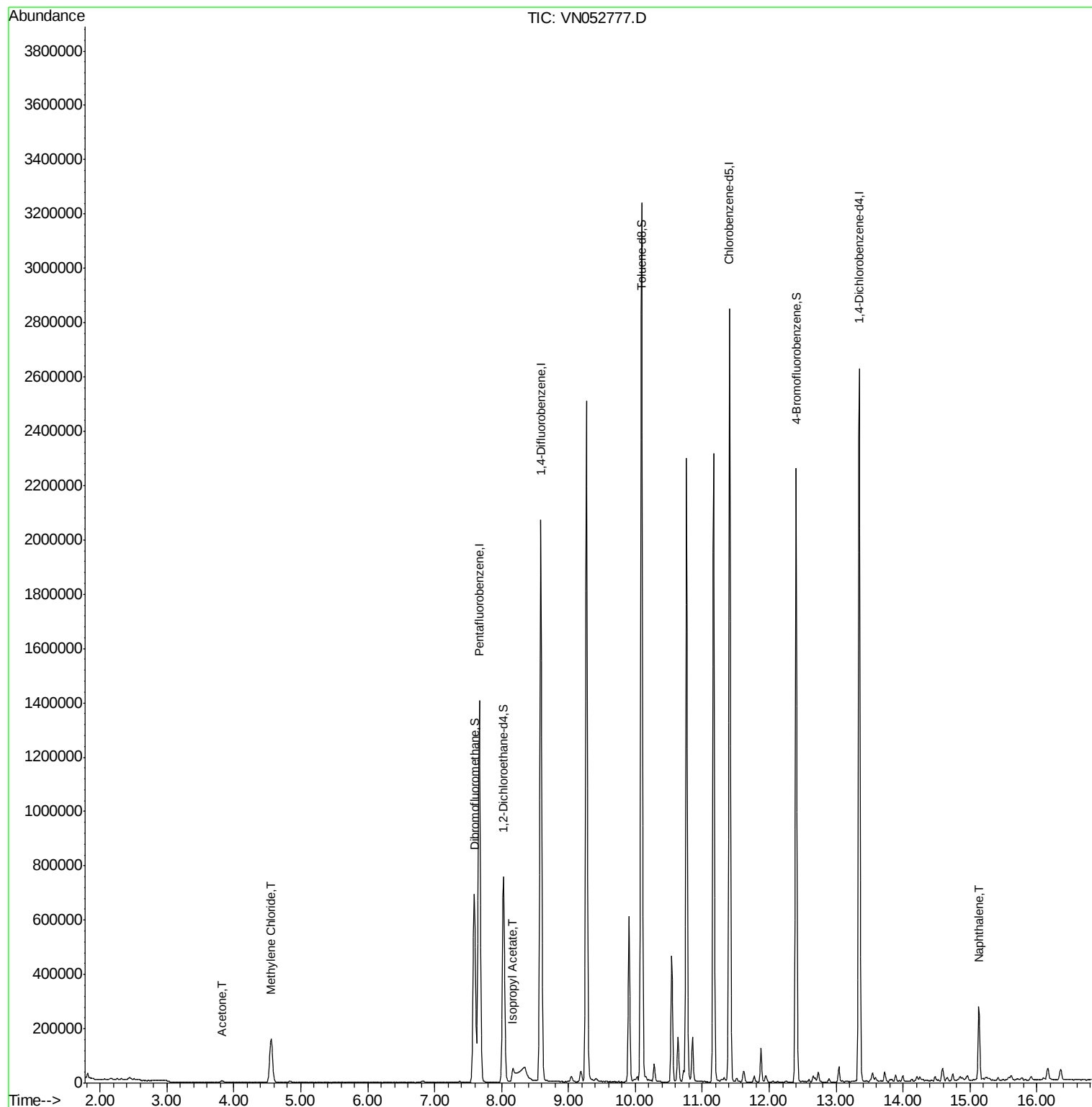
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1223697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1887685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1712239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	736526	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	643018	48.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.52%	
35) Dibromofluoromethane	7.59	113	547938	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.16%	
50) Toluene-d8	10.09	98	2342983	51.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	12.40	95	778256	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
Target Compounds						
16) Acetone	3.82	43	10939	3.113	ug/l #	84
20) Methylene Chloride	4.56	84	124795	9.074	ug/l	99
43) Isopropyl Acetate	8.17	43	64698	3.514	ug/l #	76
95) Naphthalene	15.13	128	240120	11.494	ug/l	99

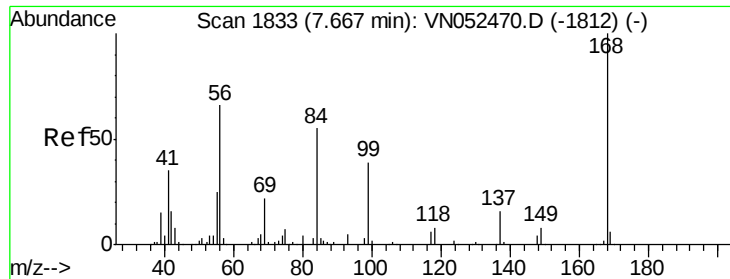
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052777.D

Acq: 11 Dec 2018 3:11

Instrument :

MSVOA_N

ClientSampled :

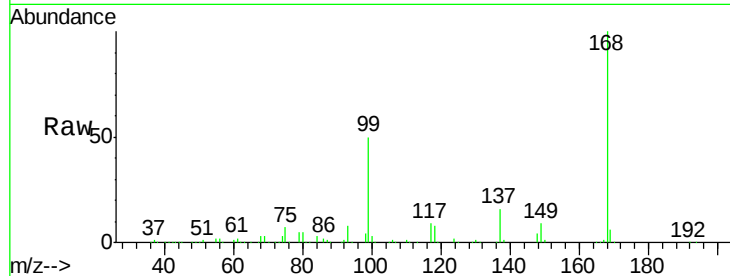
SOIL

Tot Ion:168 Resp: 1223697

Ion Ratio Lower Upper

168 100

99 50.3 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052777.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052777.D (-1740) (-)

7.67

600000

500000

400000

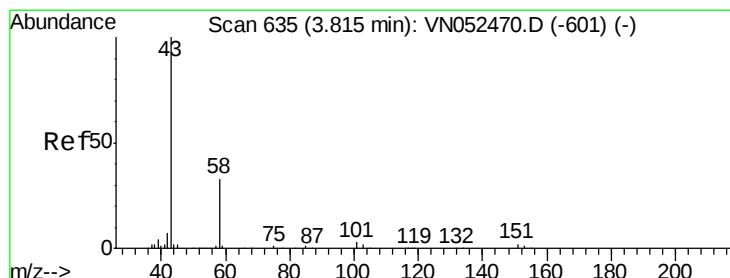
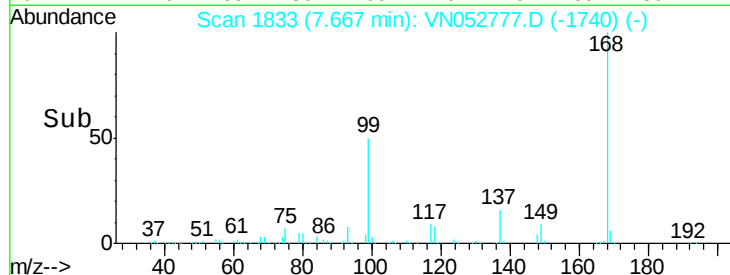
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.113 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052777.D

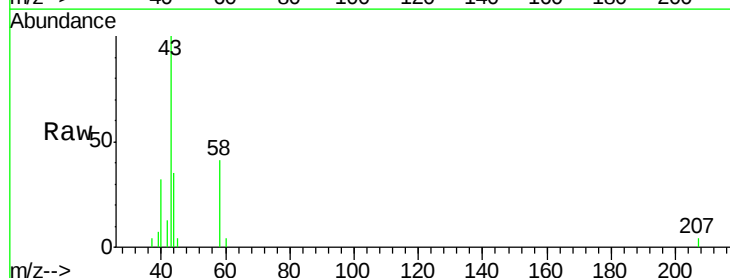
Acq: 11 Dec 2018 3:11

Tgt Ion: 43 Resp: 10939

Ion Ratio Lower Upper

43 100

58 41.4 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VN052777.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052777.D (-542) (-)

3.82

4000

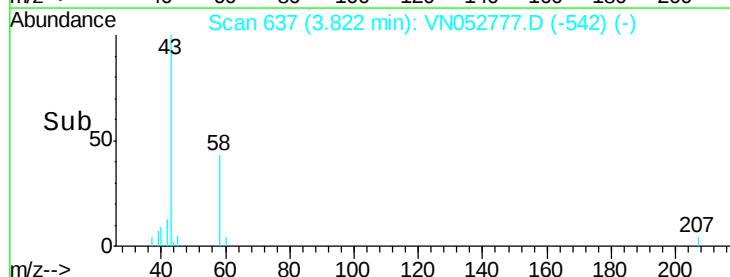
3000

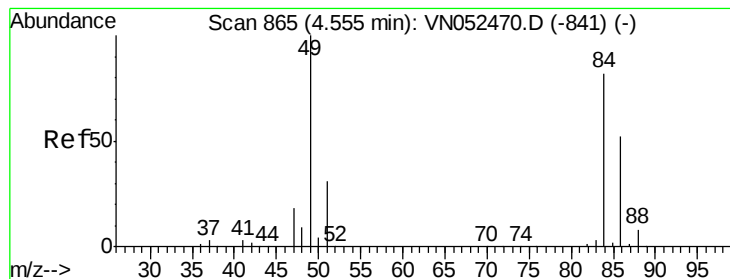
2000

1000

0

Time-->





#20

Methylene Chloride

Concen: 9.074 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052777.D

Acq: 11 Dec 2018 3:11

Instrument :

MSVOA_N

ClientSampleId :

SOIL

Tot Ion: 84 Resp: 124795

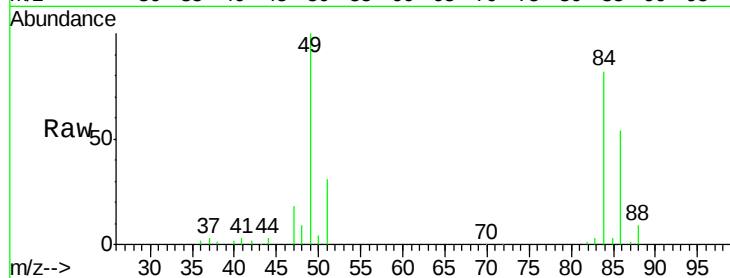
Ion Ratio Lower Upper

84 100

49 122.7 98.0 147.0

51 38.1 30.1 45.1

86 66.0 50.7 76.1

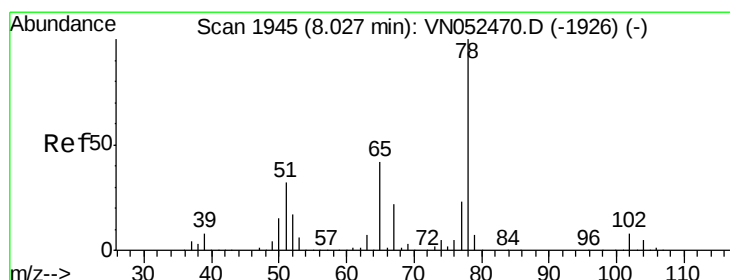
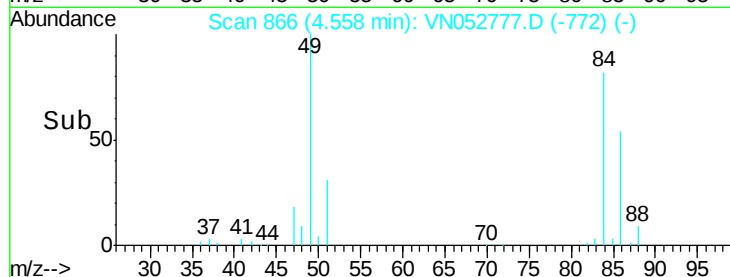
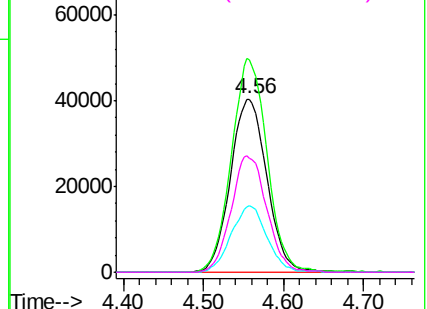


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052777.D

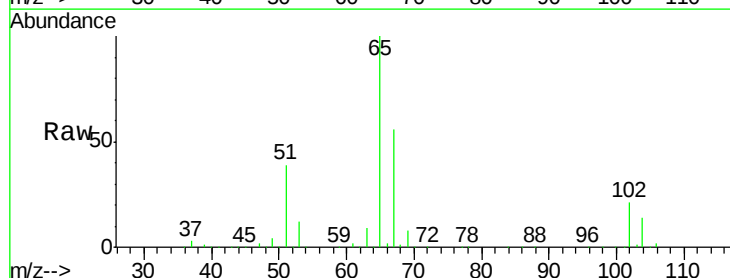
Acq: 11 Dec 2018 3:11

Tgt Ion: 65 Resp: 643018

Ion Ratio Lower Upper

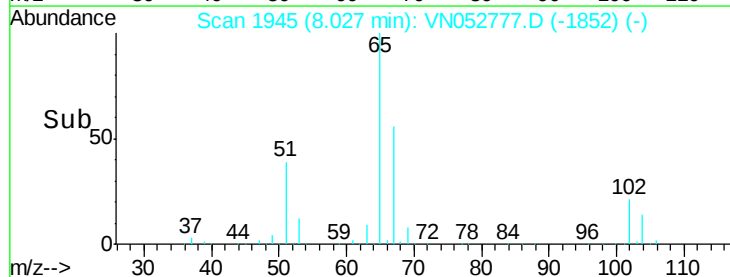
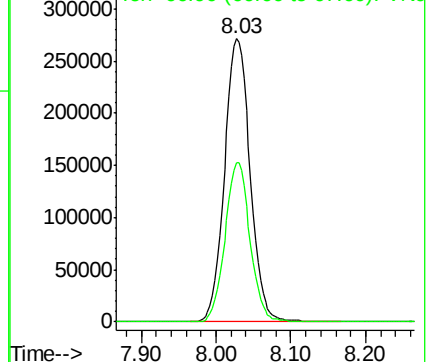
65 100

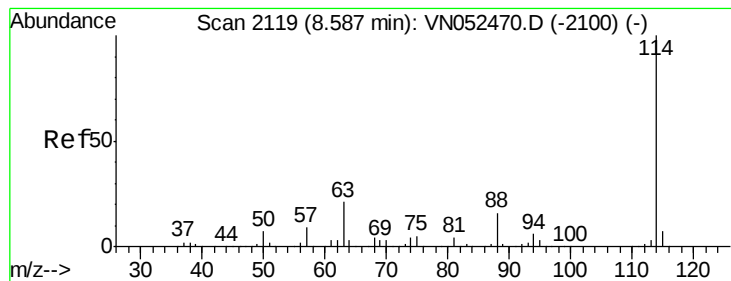
67 54.7 0.0 109.8



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: VN052777.D

Acq: 11 Dec 2018 3:11

Instrument :

MSVOA_N

ClientSampleId :

SOIL

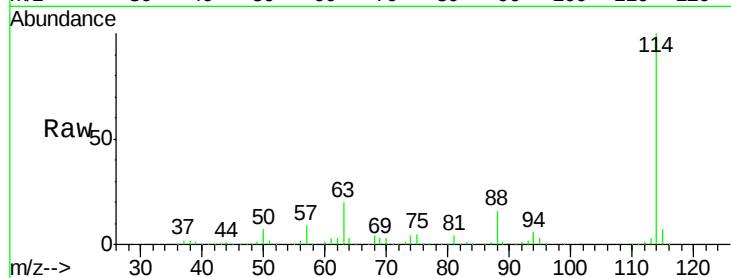
Tot Ion:114 Resp: 1887685

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.8

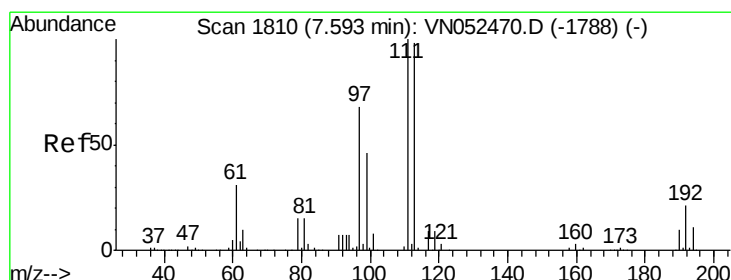
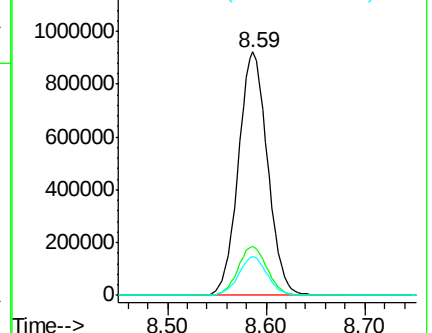
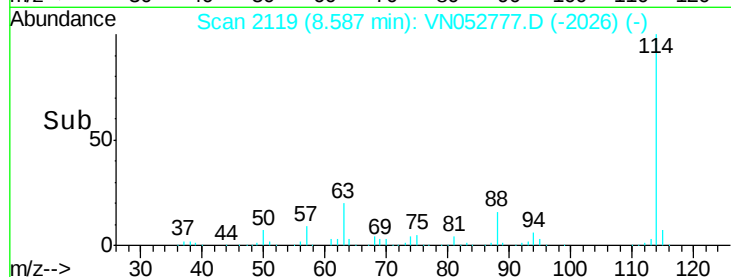
88 15.8 0.0 31.6



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: VN052777.D

Acq: 11 Dec 2018 3:11

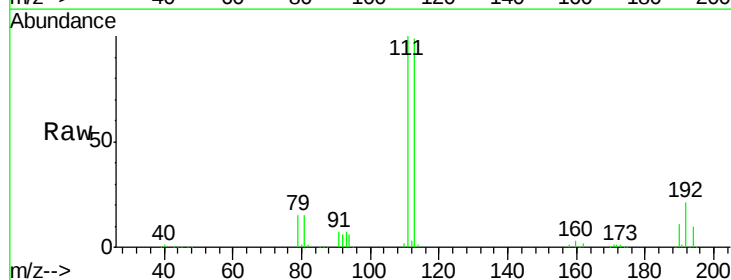
Tgt Ion:113 Resp: 547938

Ion Ratio Lower Upper

113 100

111 100.9 82.0 123.0

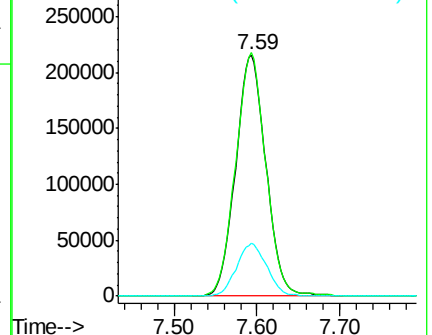
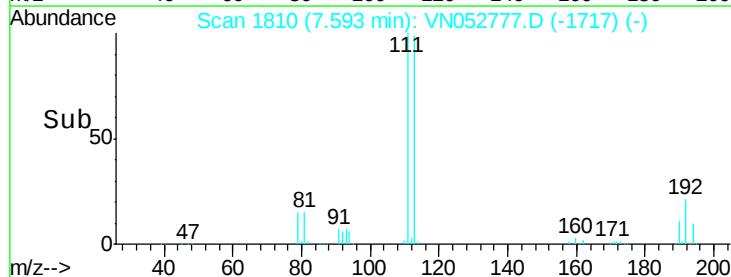
192 21.8 17.0 25.6

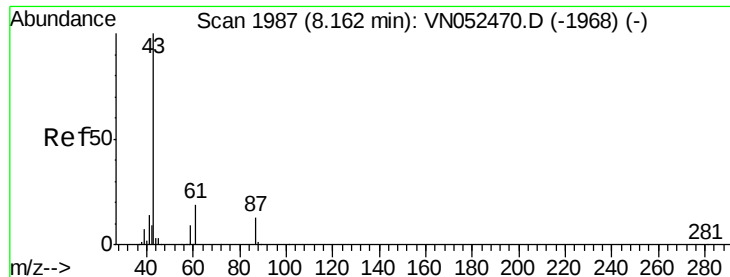


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.514 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052777.D

Acq: 11 Dec 2018 3:11

Instrument :

MSVOA_N

ClientSampled :

SOIL

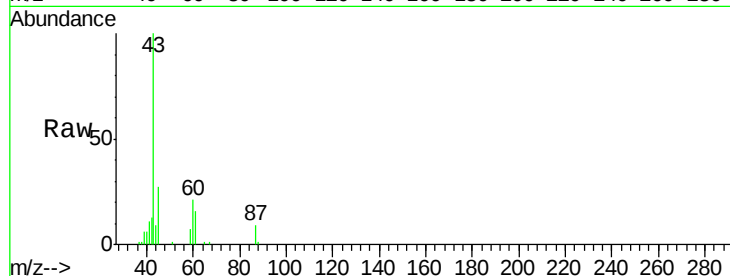
Tot Ion: 43 Resp: 64698

Ion Ratio Lower Upper

43 100

61 14.6 24.1 36.1#

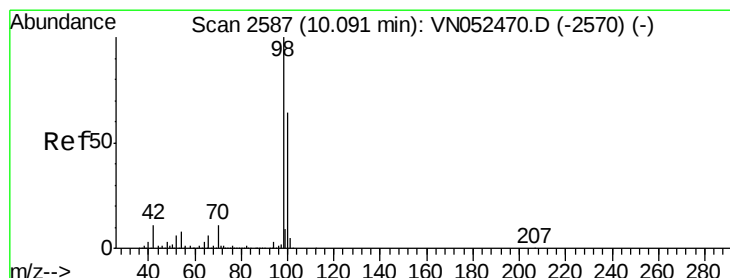
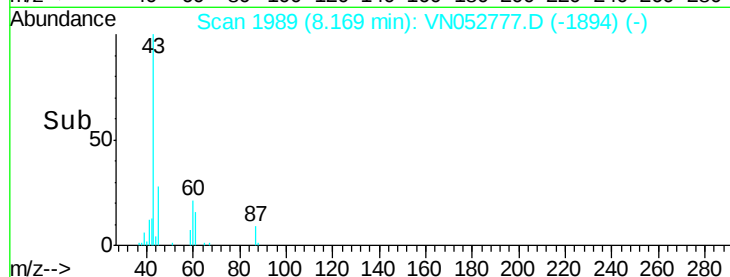
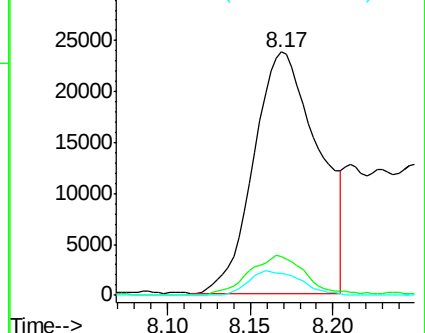
87 8.1 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052777.D

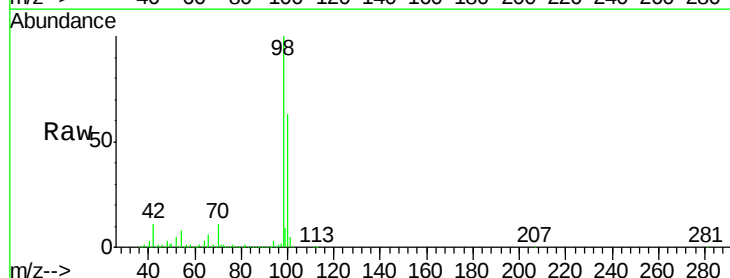
Acq: 11 Dec 2018 3:11

Tgt Ion: 98 Resp: 2342983

Ion Ratio Lower Upper

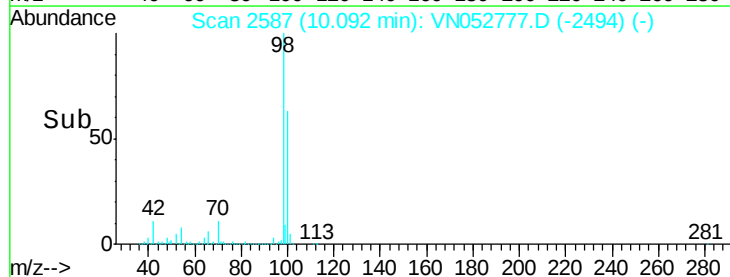
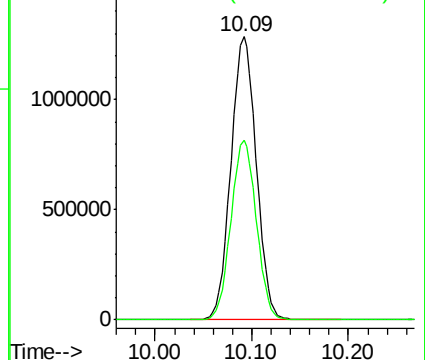
98 100

100 63.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)

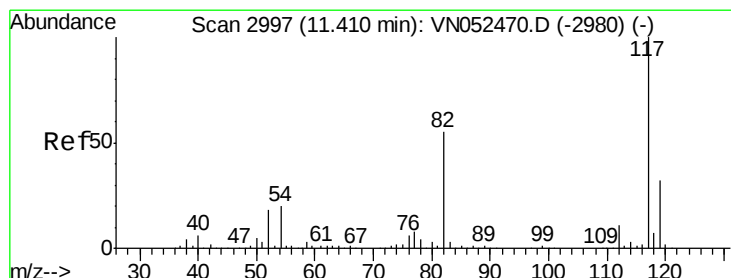
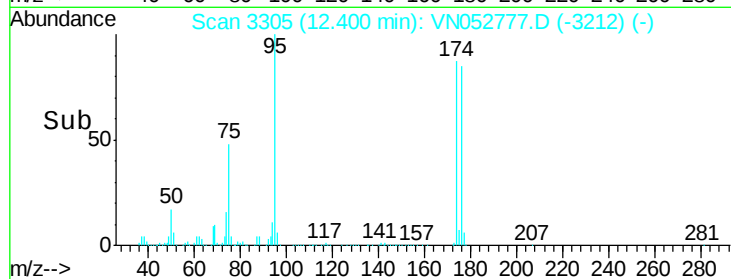
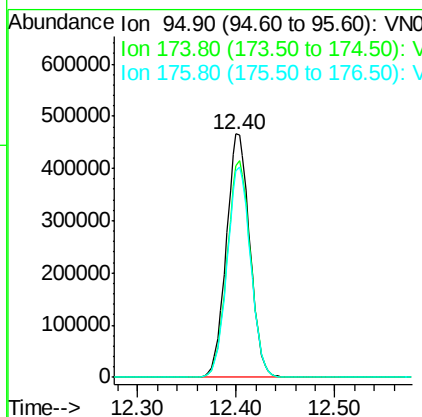
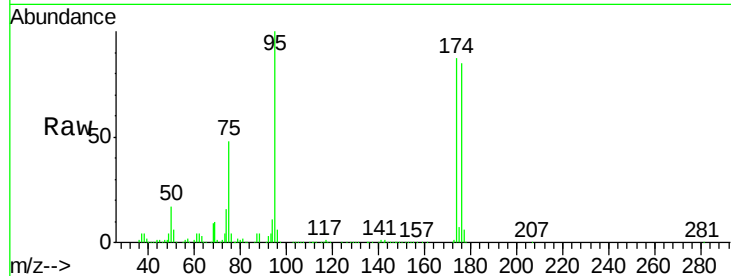




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052777.D
Acq: 11 Dec 2018 3:11

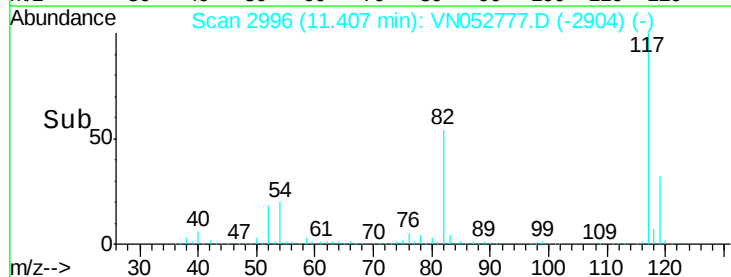
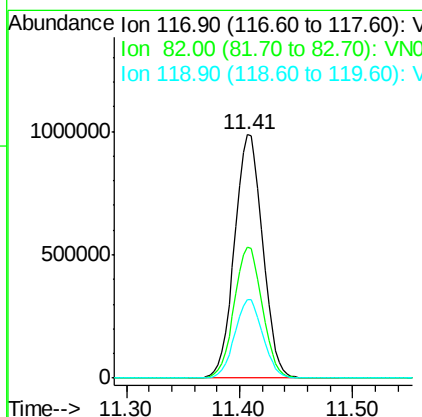
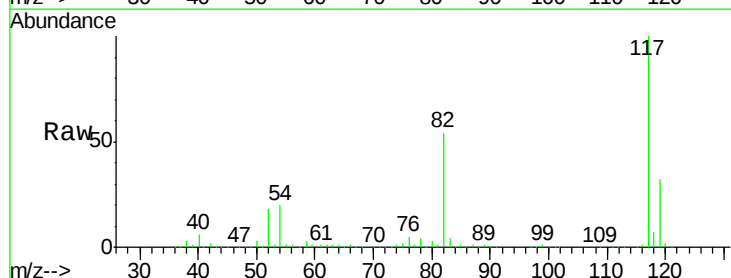
Instrument :
MSVOA_N
ClientSampleId :
SOIL

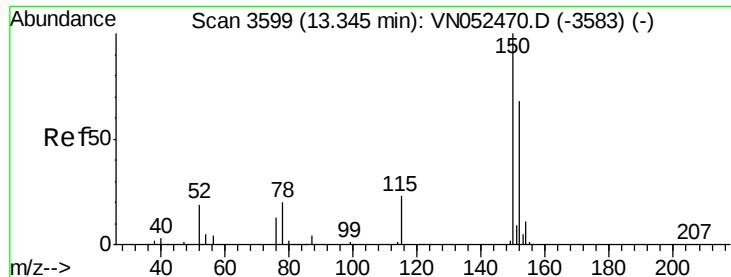
Tot Ion: 95 Resp: 778256
Ion Ratio Lower Upper
95 100
174 88.8 0.0 173.0
176 86.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052777.D
Acq: 11 Dec 2018 3:11

Tgt Ion: 117 Resp: 1712239
Ion Ratio Lower Upper
117 100
82 54.0 43.6 65.4
119 32.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052777.D

Acq: 11 Dec 2018 3:11

Instrument :

MSVOA_N

ClientSampled :

SOIL

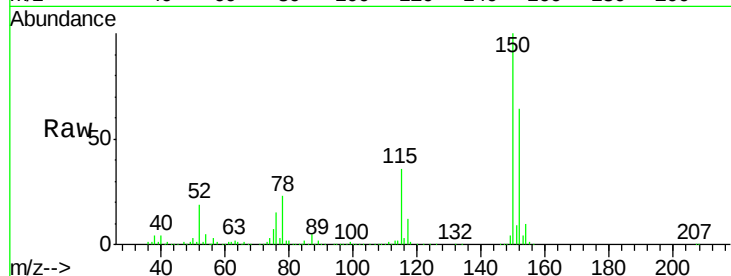
Tot Ion:152 Resp: 736526

Ion Ratio Lower Upper

152 100

115 56.7 28.4 85.2

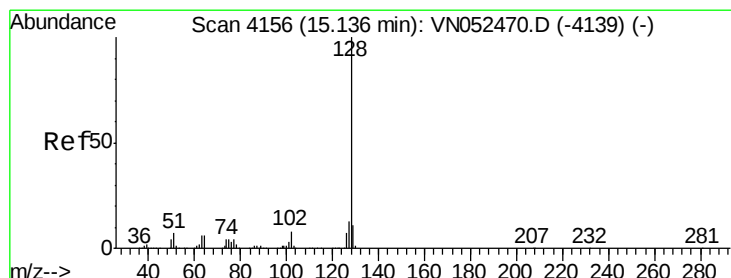
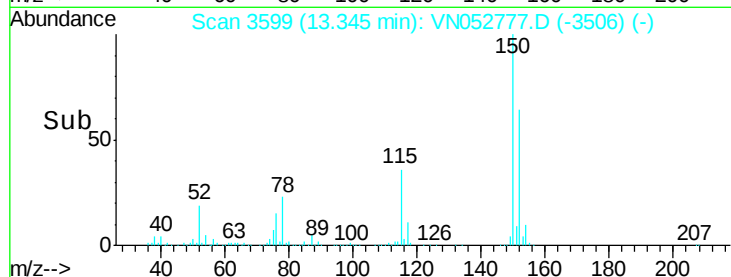
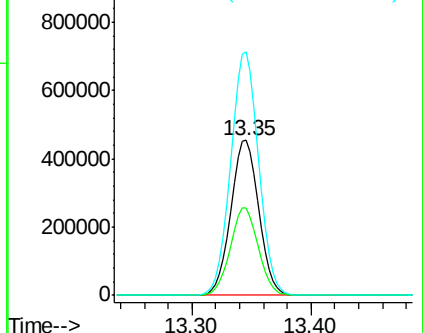
150 157.4 0.0 346.0



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: 11.494 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052777.D

Acq: 11 Dec 2018 3:11

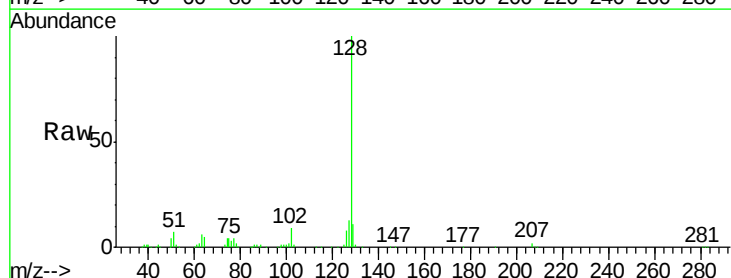
Tgt Ion:128 Resp: 240120

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 11.1 8.7 13.1



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

