

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050414.D
 Acq On : 7 Aug 2018 4:42
 Operator : MD\SY
 Sample : J4333-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-2

Quant Time: Aug 07 08:14:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	619275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1015704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	900243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	354779	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	439015	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
35) Dibromofluoromethane	7.59	113	394111	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.72%	
50) Toluene-d8	10.09	98	1412335	46.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.18%	
62) 4-Bromofluorobenzene	12.40	95	410091	39.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.54%	

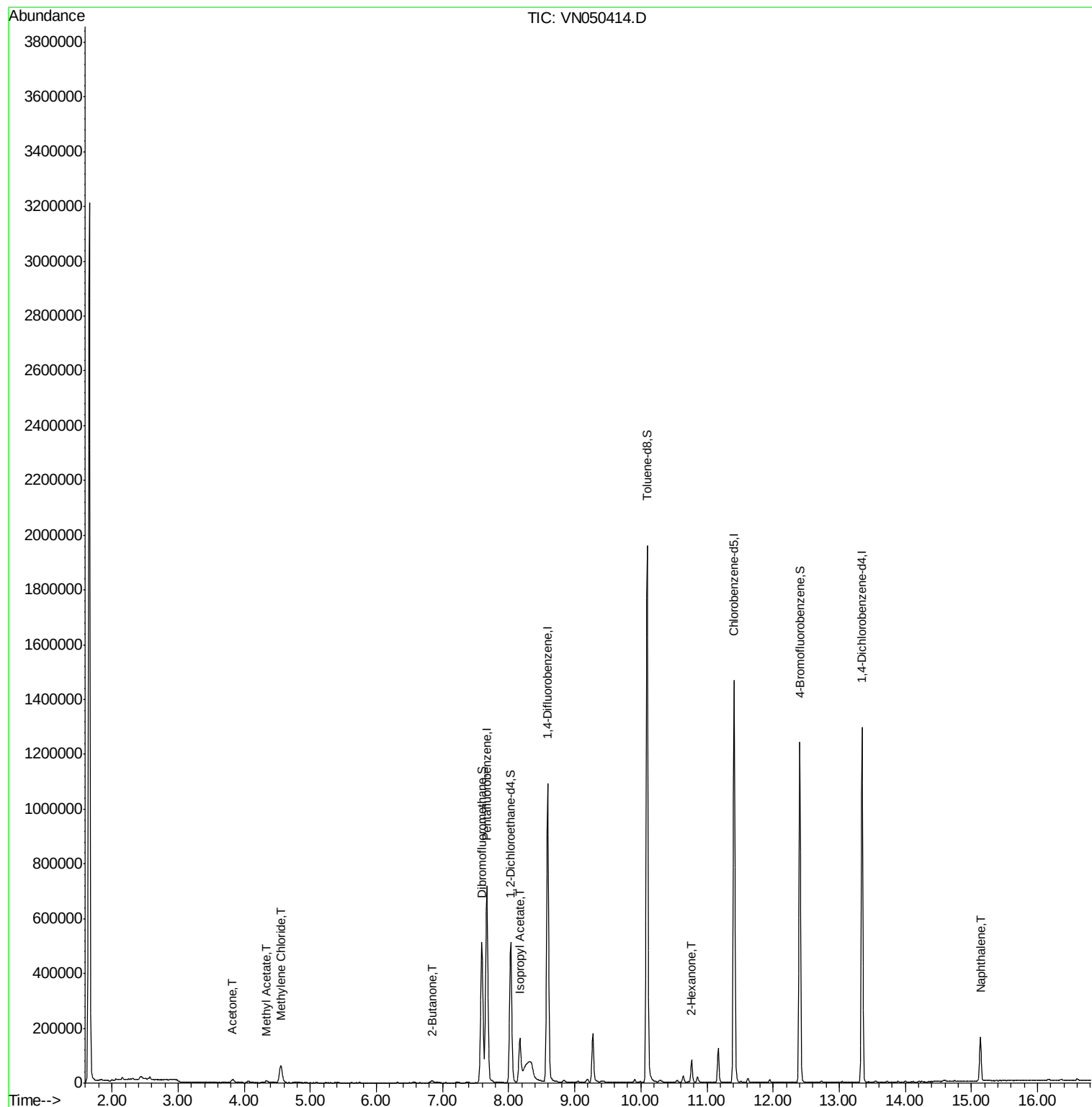
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	23794	9.30	ug/l	100
18) Methyl Acetate	4.33	43	14258	2.04	ug/l #	78
20) Methylene Chloride	4.55	84	50521	5.31	ug/l	97
25) 2-Butanone	6.85	43	7021	1.71	ug/l	91
43) Isopropyl Acetate	8.17	43	203339	14.66	ug/l	98
59) 2-Hexanone	10.77	43	12201	1.75	ug/l #	60
95) Naphthalene	15.14	128	137601	11.05	ug/l	99

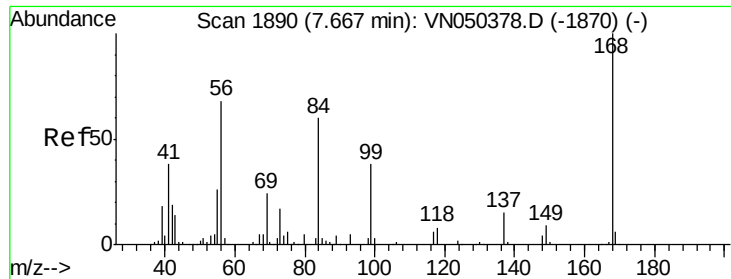
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050414.D

Acq: 7 Aug 2018 4:42

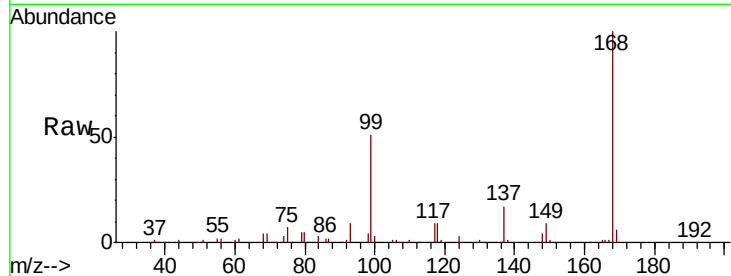
Instrument :
MSVOA_N
ClientSampled :
SOIL-2

Tot Ion:168 Resp: 619275

Ion Ratio Lower Upper

168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

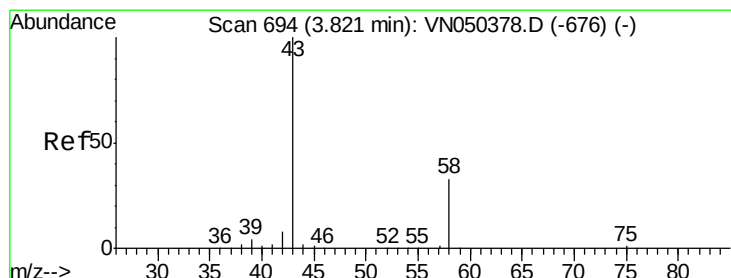
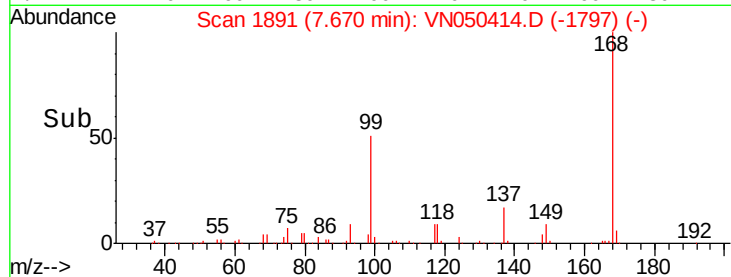
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 9.30 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050414.D

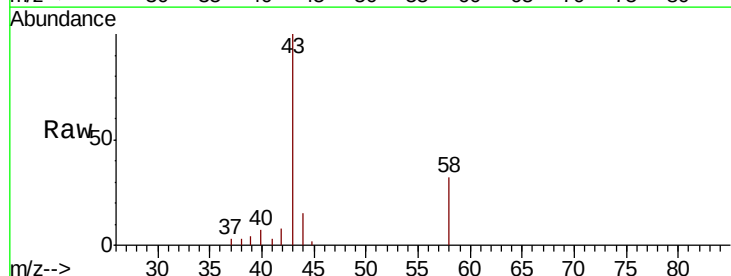
Acq: 7 Aug 2018 4:42

Tgt Ion: 43 Resp: 23794

Ion Ratio Lower Upper

43 100

58 32.1 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.83

10000

8000

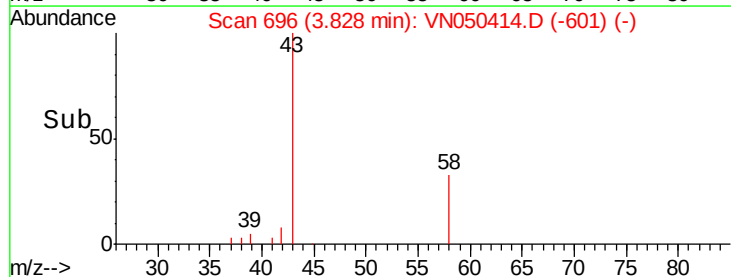
6000

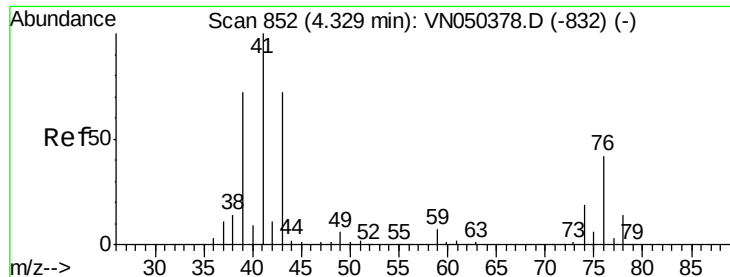
4000

2000

0

Time-->

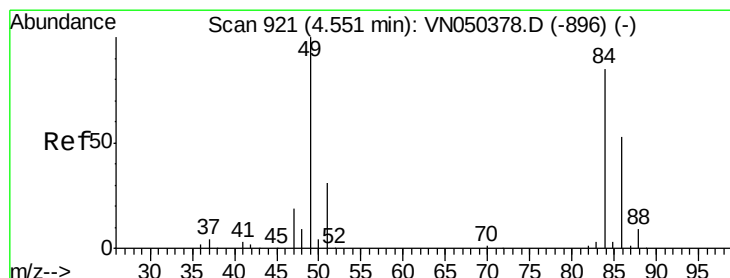
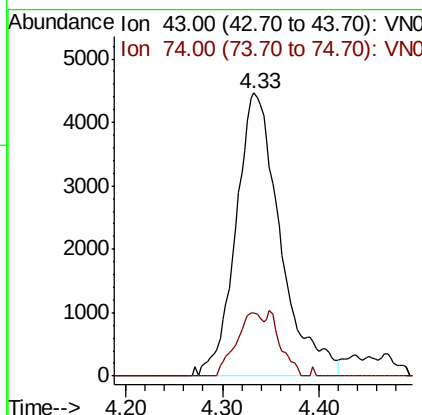
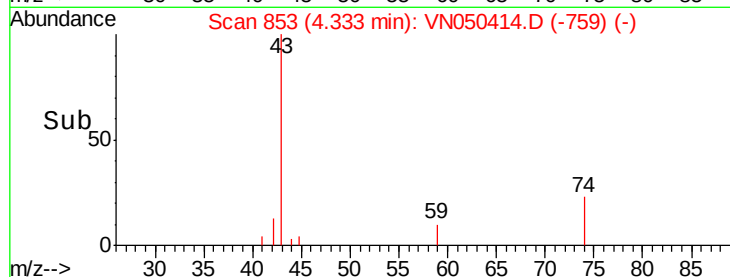
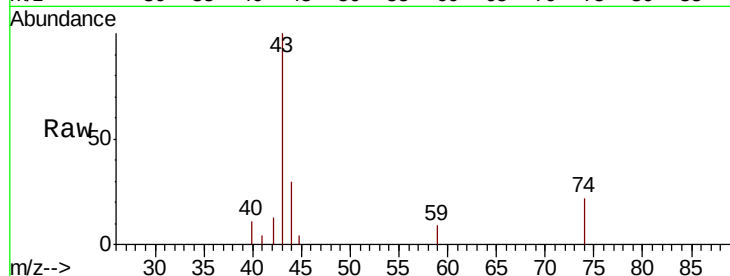




#18
Methyl Acetate
Concen: 2.04 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050414.D
Acq: 7 Aug 2018 4:42

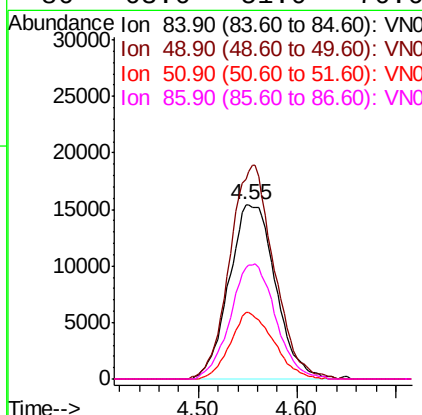
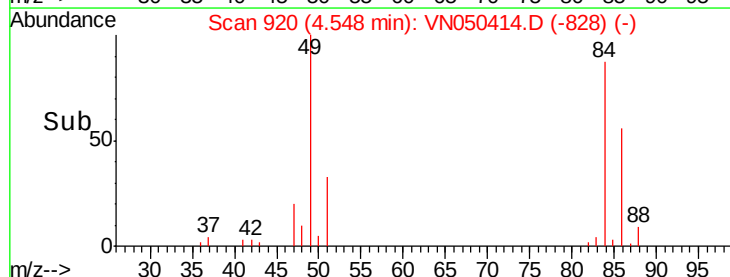
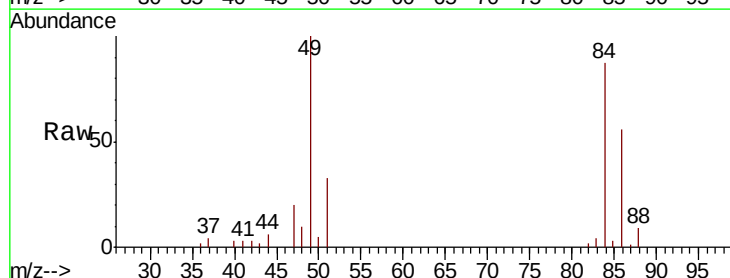
Instrument :
MSVOA_N
ClientSampleId :
SOIL-2

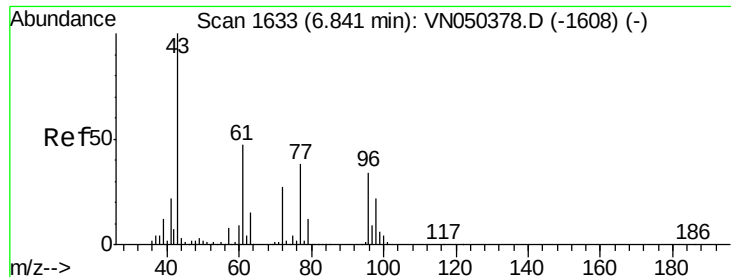
Tot Ion: 43 Resp: 14258
Ion Ratio Lower Upper
43 100
74 13.3 19.2 28.8#



#20
Methylene Chloride
Concen: 5.31 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050414.D
Acq: 7 Aug 2018 4:42

Tgt Ion: 84 Resp: 50521
Ion Ratio Lower Upper
84 100
49 114.6 94.8 142.2
51 37.8 28.3 42.5
86 63.6 51.0 76.6





#25

2-Butanone

Concen: 1.71 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN050414.D

Acq: 7 Aug 2018 4:42

Instrument :

MSVOA_N

ClientSampled :

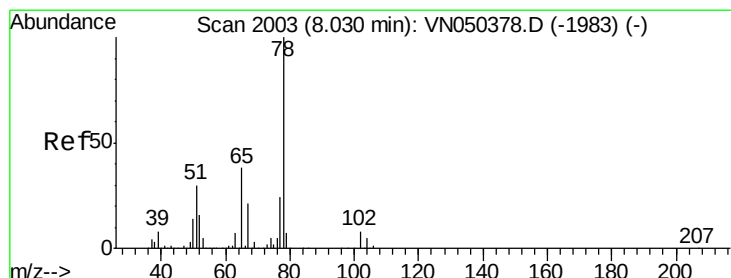
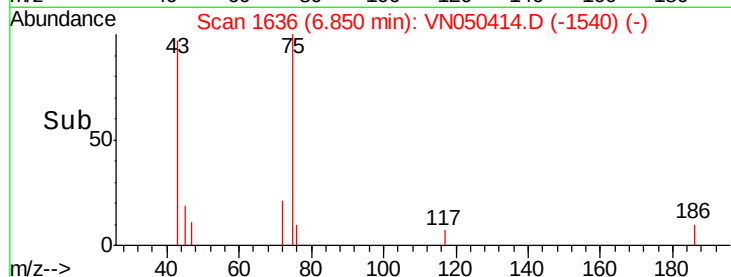
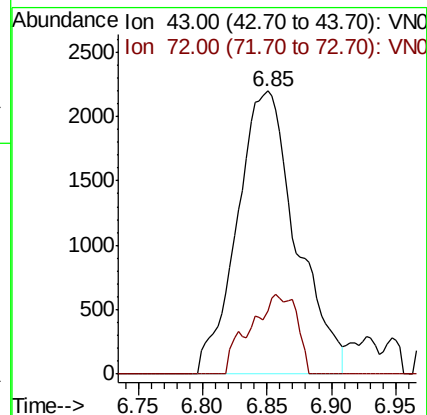
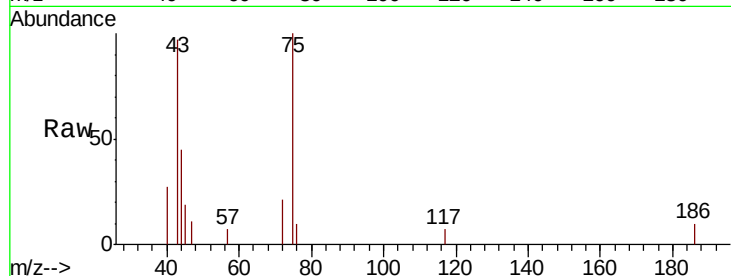
SOIL-2

Tot Ion: 43 Resp: 7021

Ion Ratio Lower Upper

43 100

72 22.1 21.5 32.3



#33

1,2-Dichloroethane-d4

Concen: 53.06 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050414.D

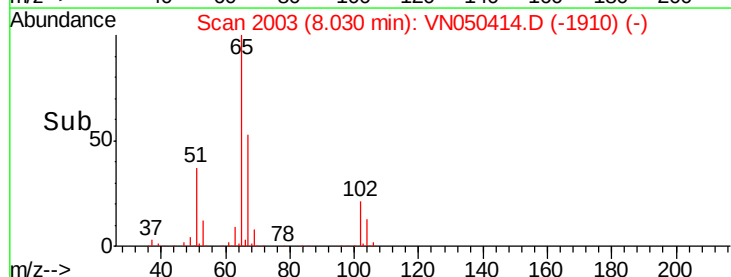
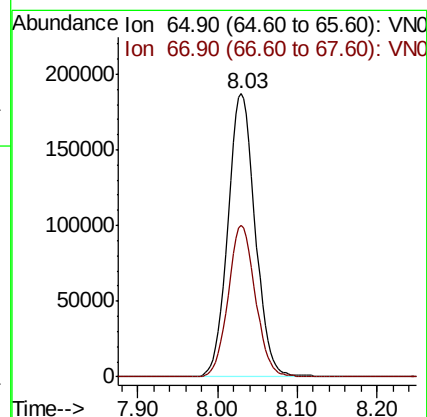
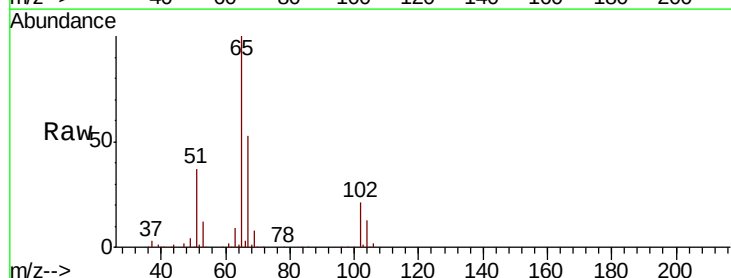
Acq: 7 Aug 2018 4:42

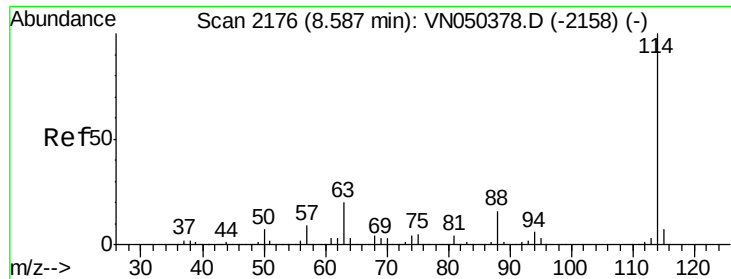
Tgt Ion: 65 Resp: 439015

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.4

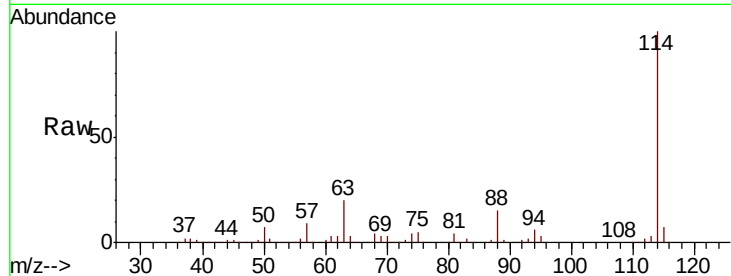




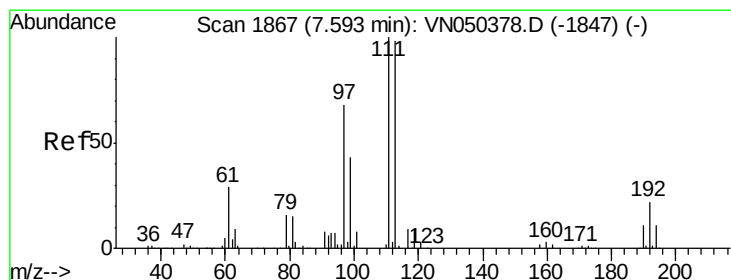
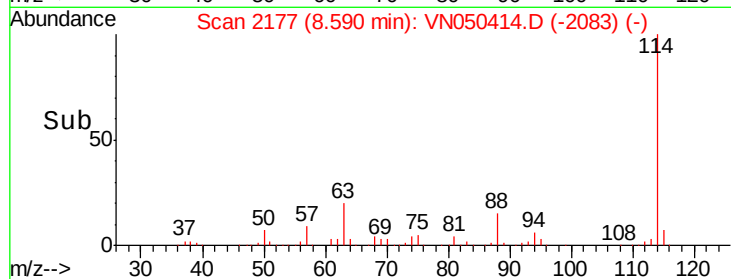
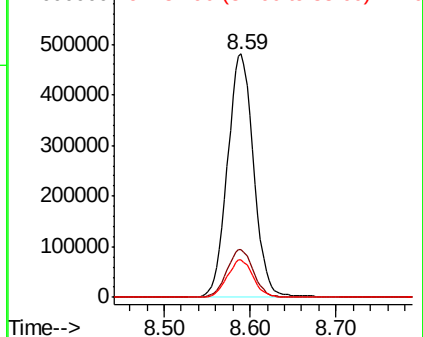
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050414.D
 Acq: 7 Aug 2018 4:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-2

Tot Ion:114 Resp: 1015704
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.3 0.0 31.2

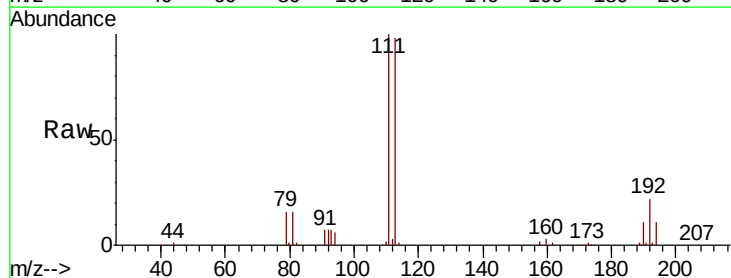


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

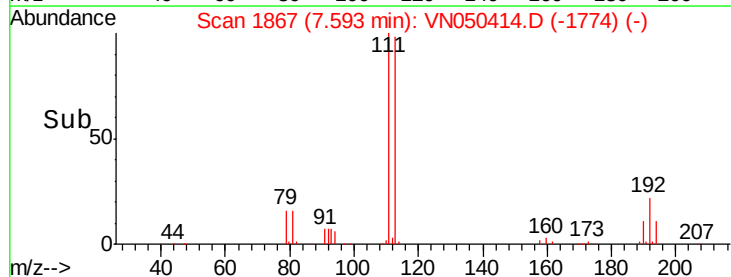
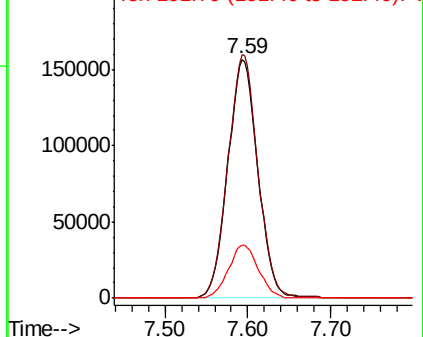


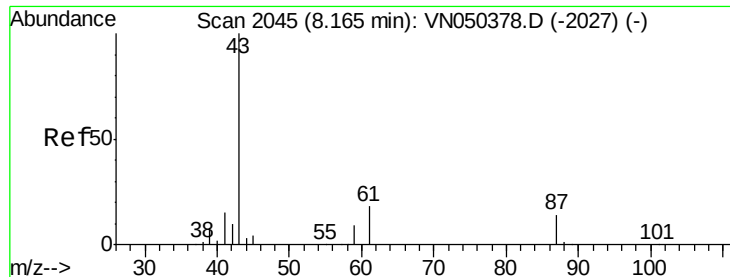
#35
 Dibromofluoromethane
 Concen: 48.36 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050414.D
 Acq: 7 Aug 2018 4:42

Tgt Ion:113 Resp: 394111
 Ion Ratio Lower Upper
 113 100
 111 101.6 80.7 121.1
 192 22.2 17.8 26.6



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: 14.66 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050414.D

Acq: 7 Aug 2018 4:42

Instrument :

MSVOA_N

ClientSampled :

SOIL-2

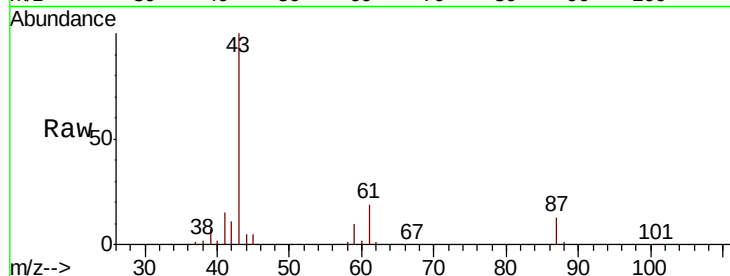
Tot Ion: 43 Resp: 203339

Ion Ratio Lower Upper

43 100

61 18.3 15.8 23.6

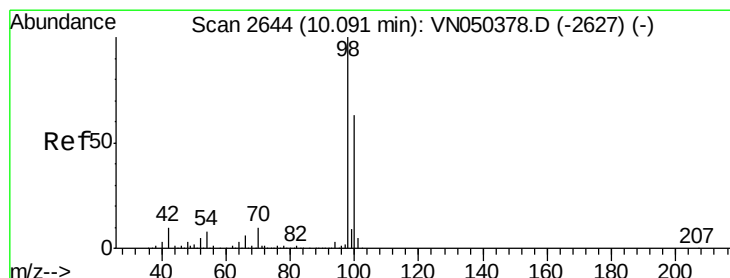
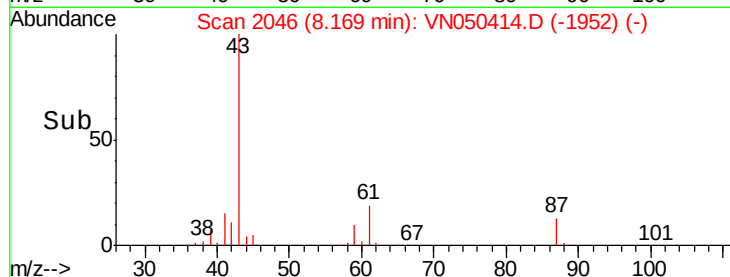
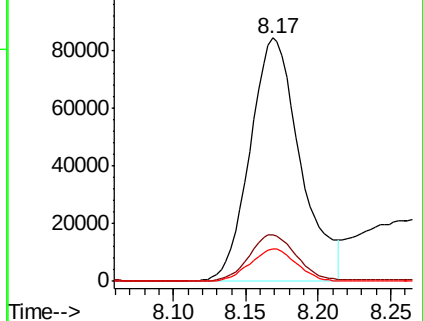
87 12.2 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 46.09 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050414.D

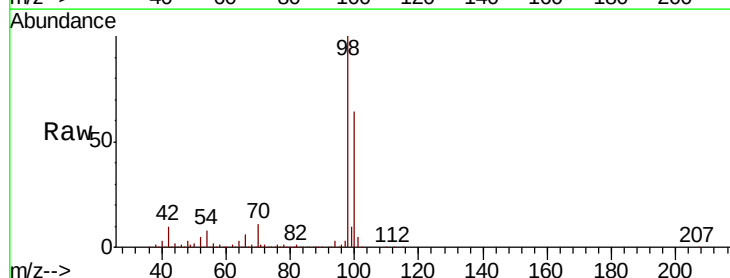
Acq: 7 Aug 2018 4:42

Tgt Ion: 98 Resp: 1412335

Ion Ratio Lower Upper

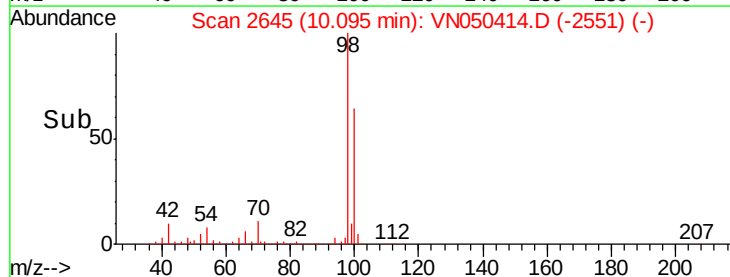
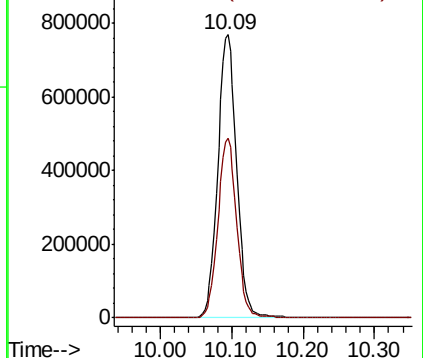
98 100

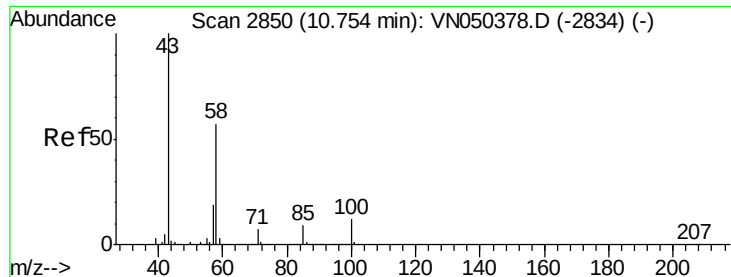
100 62.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#59

2-Hexanone

Concen: 1.75 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050414.D

Acq: 7 Aug 2018 4:42

Instrument :

MSVOA_N

ClientSampled :

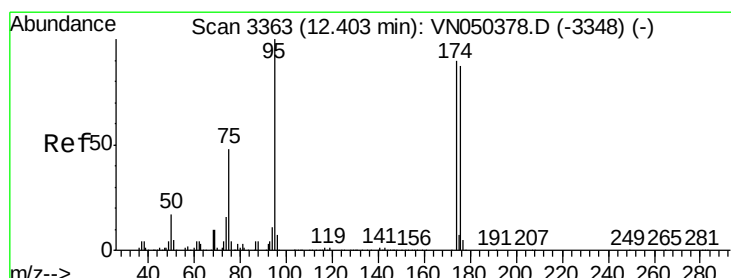
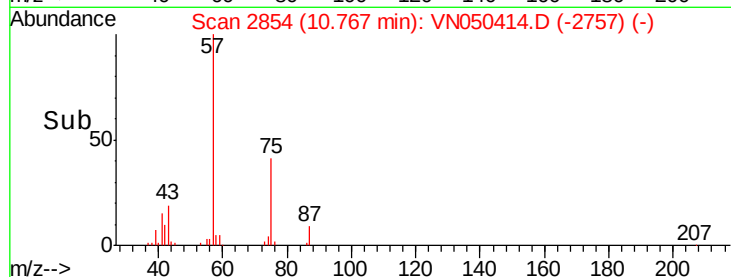
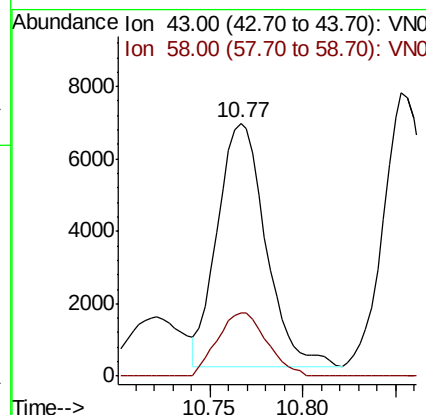
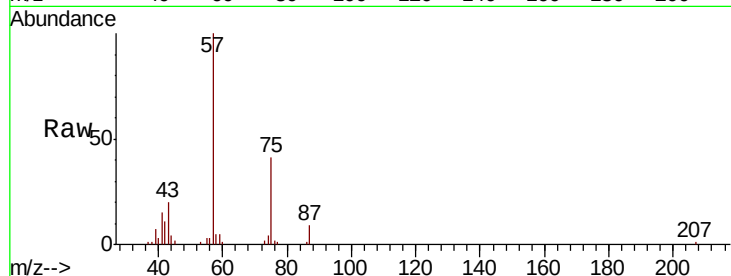
SOIL-2

Tot Ion: 43 Resp: 12201

Ion Ratio Lower Upper

43 100

58 26.4 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 39.27 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050414.D

Acq: 7 Aug 2018 4:42

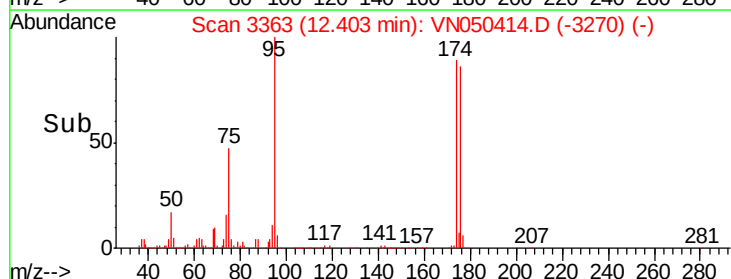
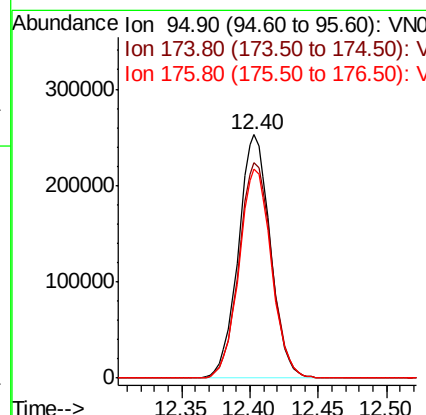
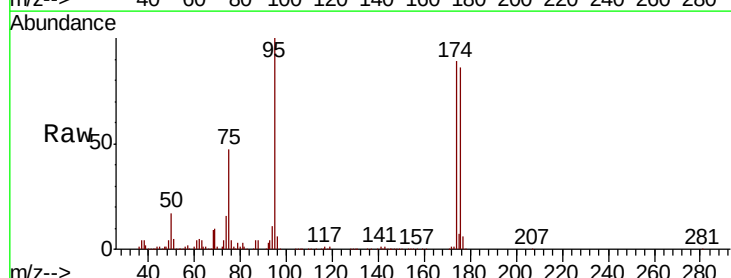
Tgt Ion: 95 Resp: 410091

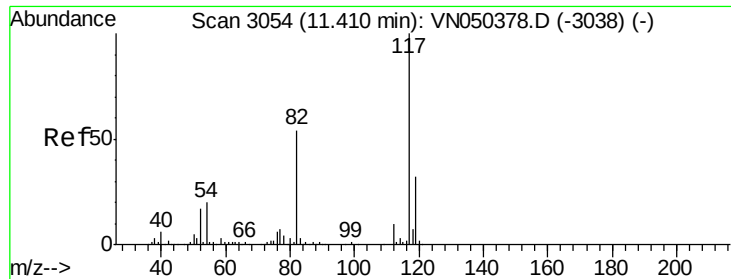
Ion Ratio Lower Upper

95 100

174 90.9 0.0 178.2

176 87.2 0.0 173.4

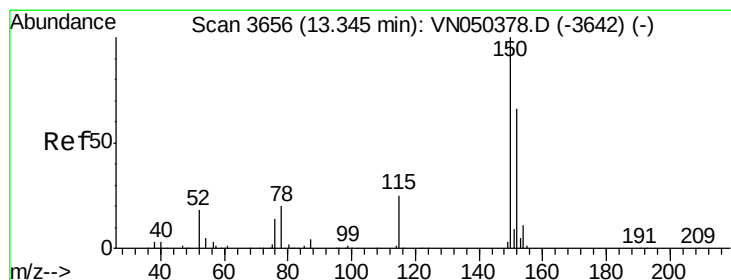
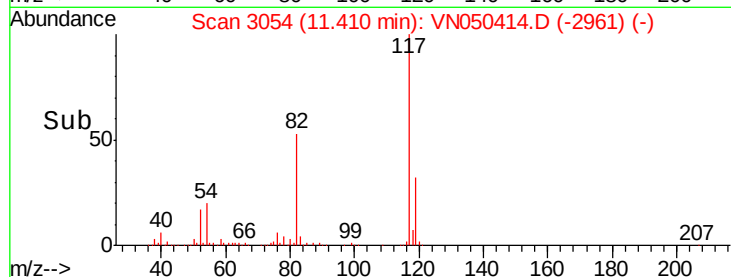
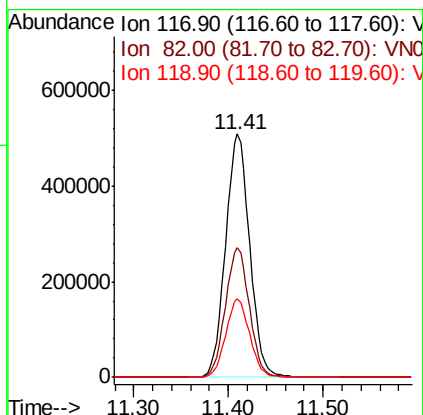
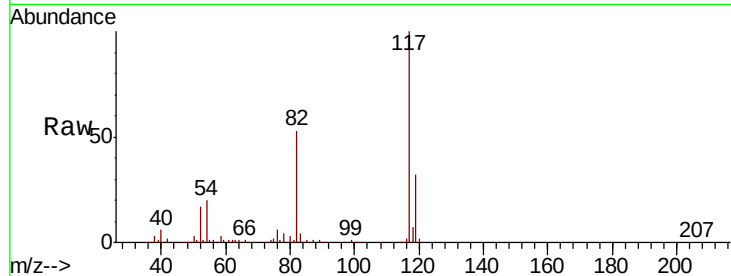




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050414.D
Acq: 7 Aug 2018 4:42

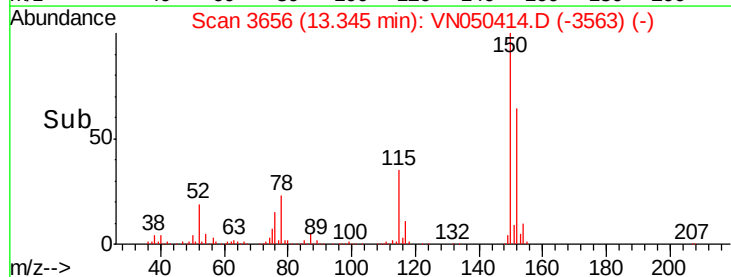
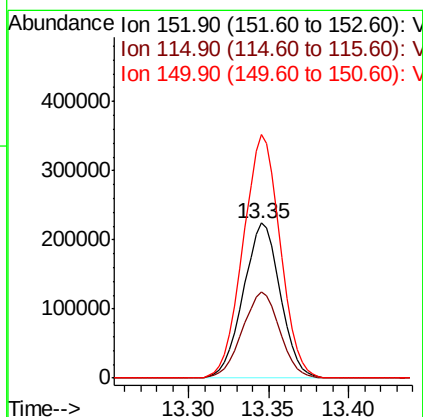
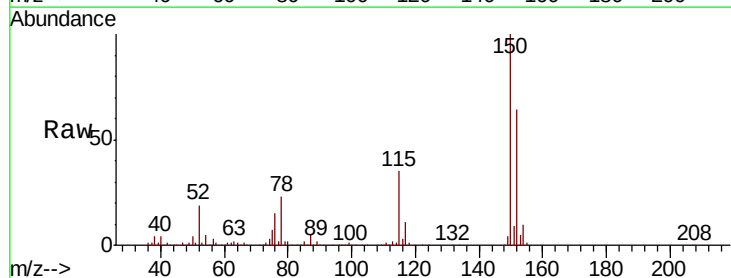
Instrument :
MSVOA_N
ClientSampleId :
SOIL-2

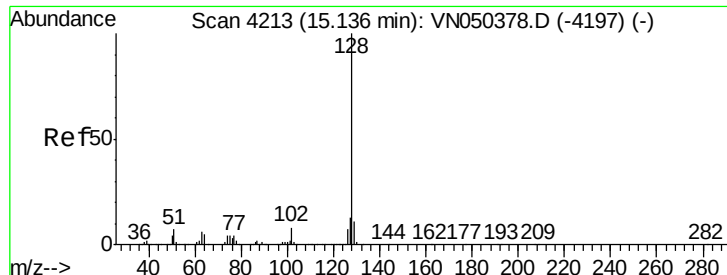
Tot Ion:117 Resp: 900243
Ion Ratio Lower Upper
117 100
82 53.3 43.7 65.5
119 32.2 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050414.D
Acq: 7 Aug 2018 4:42

Tgt Ion:152 Resp: 354779
Ion Ratio Lower Upper
152 100
115 56.2 27.8 83.3
150 157.2 0.0 348.6





#95
Naphthalene
Concen: 11.05 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050414.D
Acq: 7 Aug 2018 4:42

Instrument :
MSVOA_N
ClientSampleId :
SOIL-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.1	8.8	13.2

