

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049940.D
 Acq On : 20 Jul 2018 2:22
 Operator : MD\SY
 Sample : J4019-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HS-SOIL

Quant Time: Jul 20 03:42:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

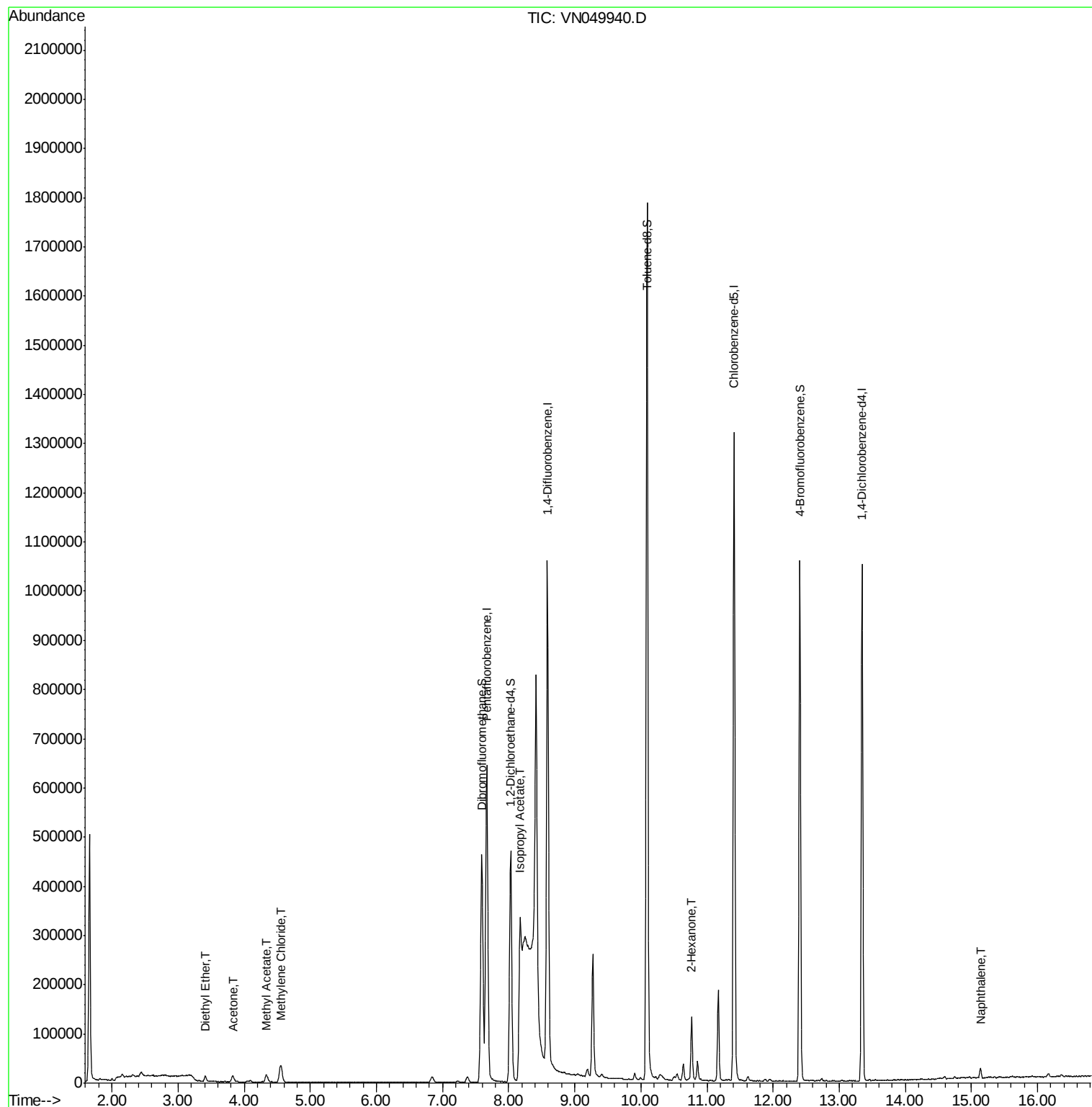
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	556710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	960119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	793977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295773	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	400524	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	7.59	113	356984	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	
50) Toluene-d8	10.09	98	1280639	43.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.22%	
62) 4-Bromofluorobenzene	12.40	95	351575	34.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.52%	
Target Compounds						
8) Diethyl Ether	3.41	74	5365	1.38	ug/l	Qvalue 87
16) Acetone	3.83	43	20386	10.29	ug/l	91
18) Methyl Acetate	4.33	43	27608	3.67	ug/l	98
20) Methylene Chloride	4.55	84	27449	3.64	ug/l	95
43) Isopropyl Acetate	8.17	43	423135	33.04	ug/l #	84
59) 2-Hexanone	10.77	43	17215	3.58	ug/l #	61
95) Naphthalene	15.14	128	16586	5.57	ug/l	98

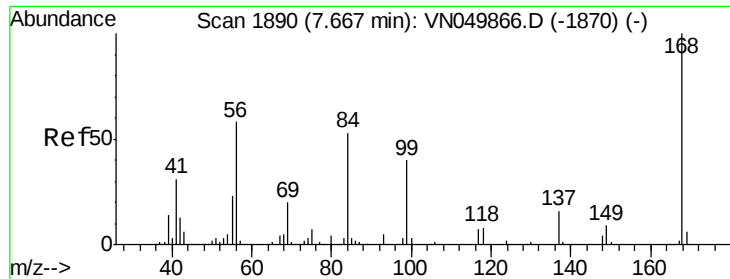
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
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QLast Update : Thu Jul 19 01:58:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049940.D

Acq: 20 Jul 2018 2:22

Instrument :

MSVOA_N

ClientSampled :

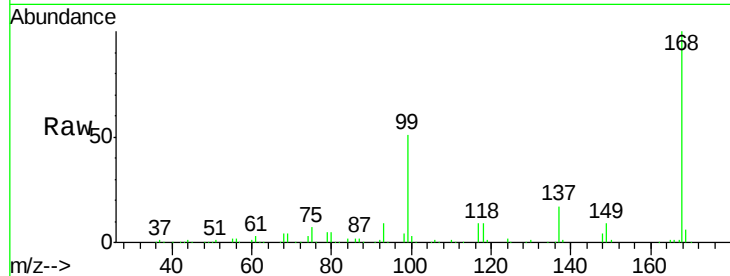
HS-SOIL

Tot Ion:168 Resp: 556710

Ion Ratio Lower Upper

168 100

99 50.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

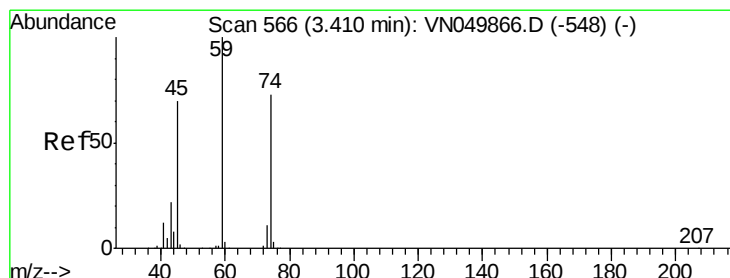
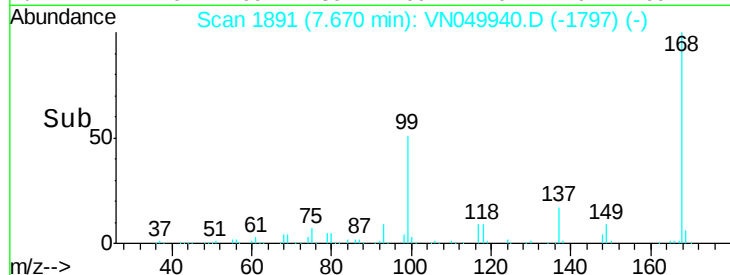
100000

50000

0

Time-->

7.60 7.70 7.80



#8

Diethyl Ether

Concen: 1.38 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049940.D

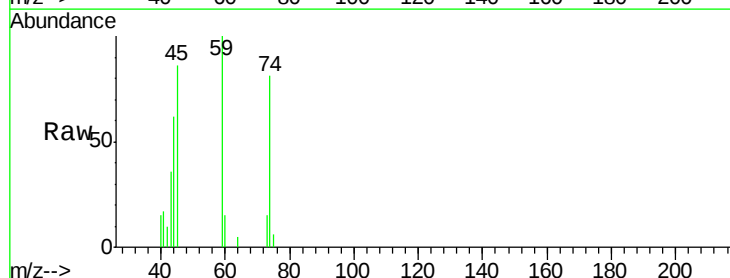
Acq: 20 Jul 2018 2:22

Tgt Ion: 74 Resp: 5365

Ion Ratio Lower Upper

74 100

45 109.5 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

3000

2500

2000

1500

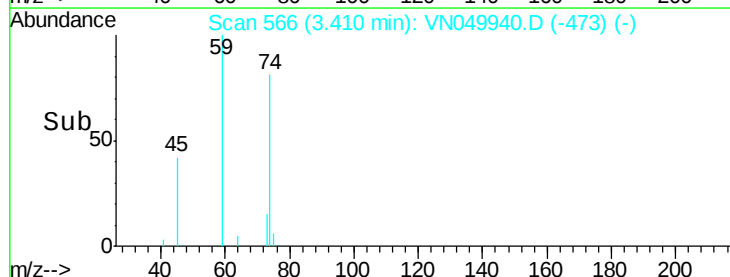
1000

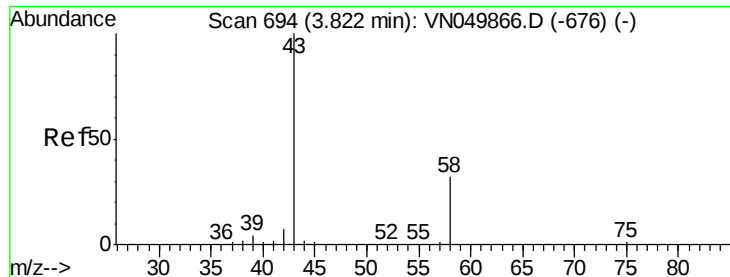
500

0

Time-->

3.35 3.40 3.45





#16

Acetone

Concen: 10.29 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049940.D

Acq: 20 Jul 2018 2:22

Instrument :

MSVOA_N

ClientSampled :

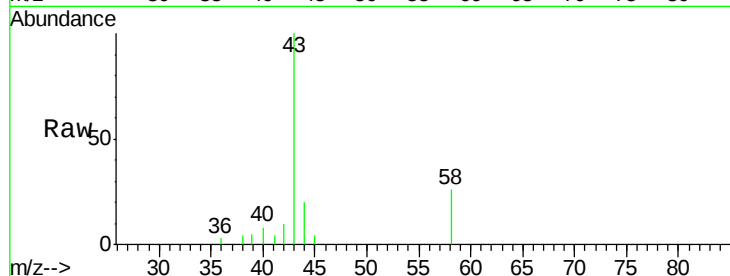
HS-SOIL

Tot Ion: 43 Resp: 20386

Ion Ratio Lower Upper

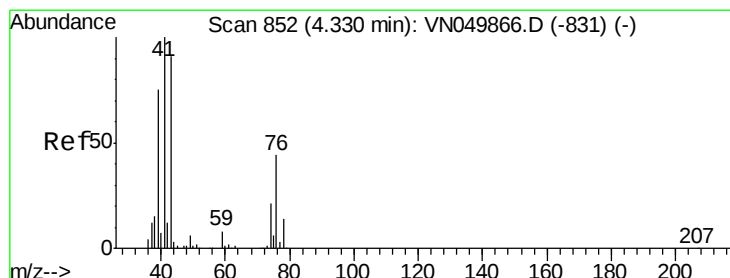
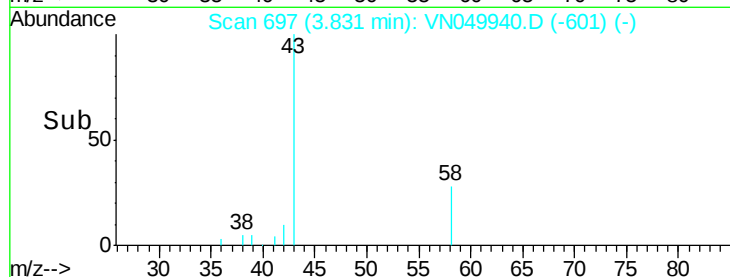
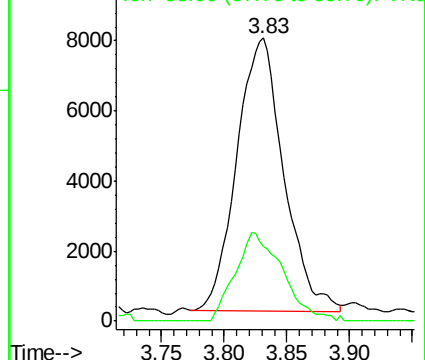
43 100

58 27.3 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 3.67 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049940.D

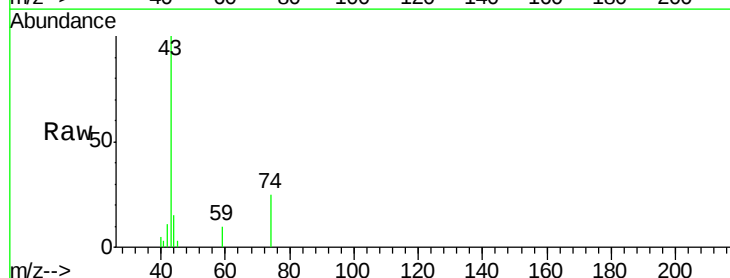
Acq: 20 Jul 2018 2:22

Tgt Ion: 43 Resp: 27608

Ion Ratio Lower Upper

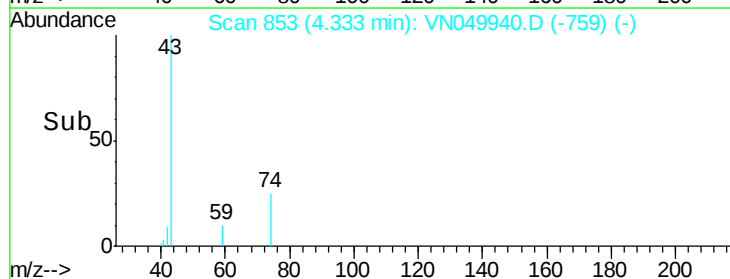
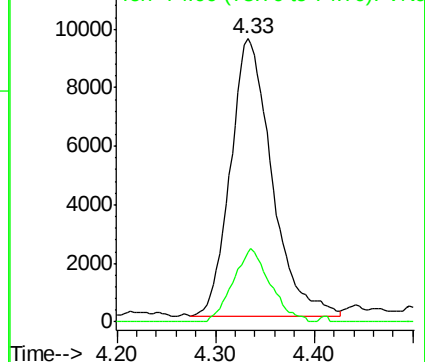
43 100

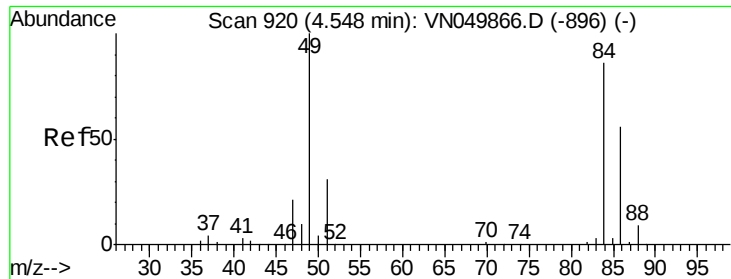
74 23.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

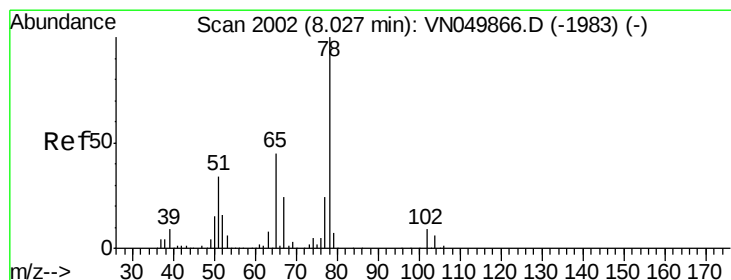
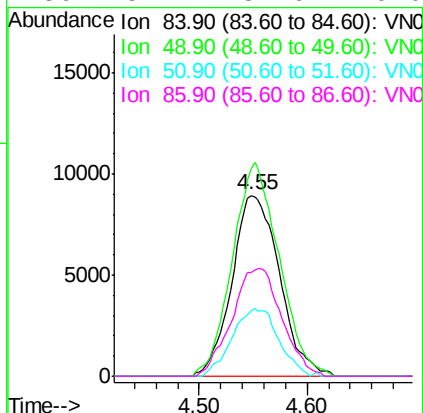
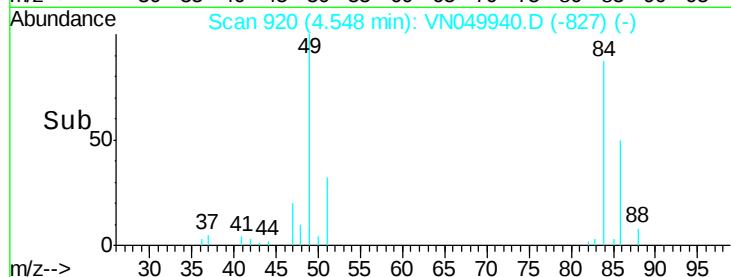
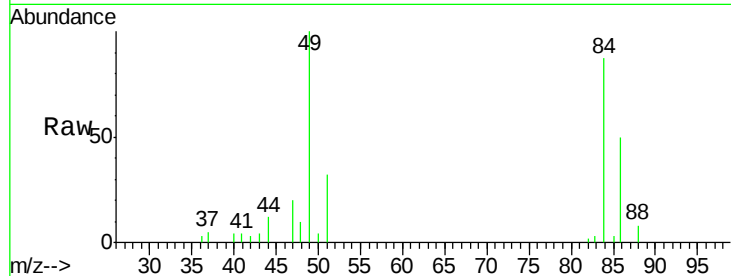




#20
Methvlene Chloride
Concen: 3.64 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049940.D
Acq: 20 Jul 2018 2:22

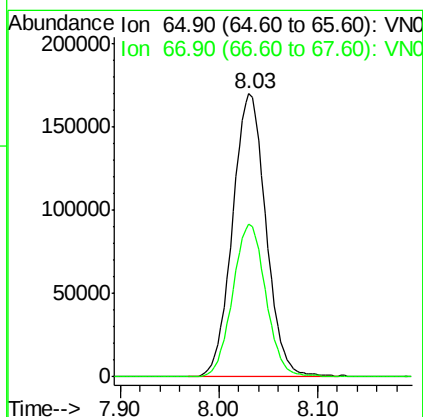
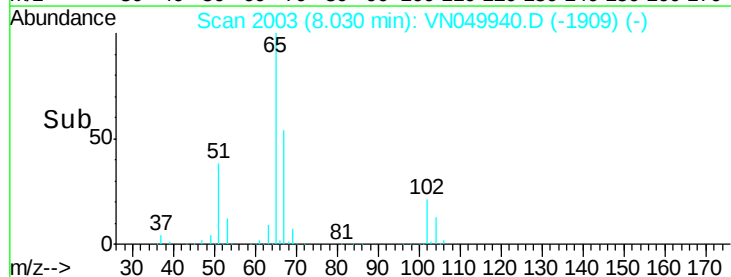
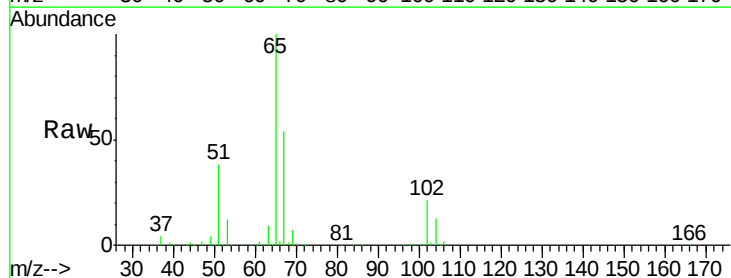
Instrument :
MSVOA_N
ClientSampleId :
HS-SOIL

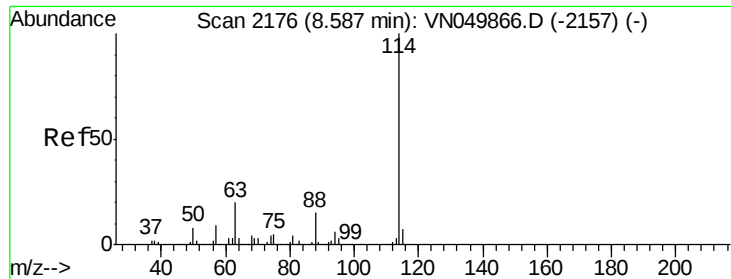
Tot Ion: 84 Resp: 27449
Ion Ratio Lower Upper
84 100
49 115.0 95.4 143.2
51 36.4 28.4 42.6
86 57.7 52.6 79.0



#33
1,2-Dichloroethane-d4
Concen: 52.34 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049940.D
Acq: 20 Jul 2018 2:22

Tgt Ion: 65 Resp: 400524
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.2

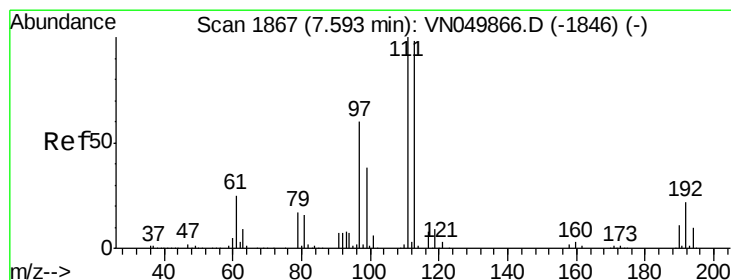
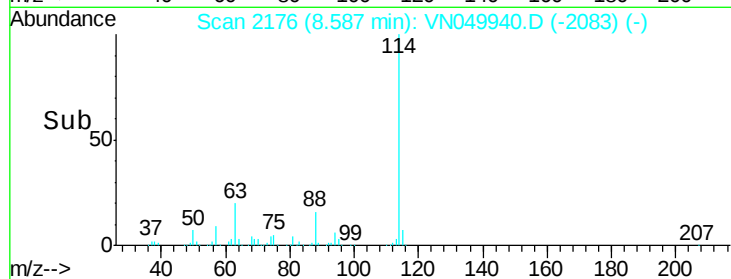
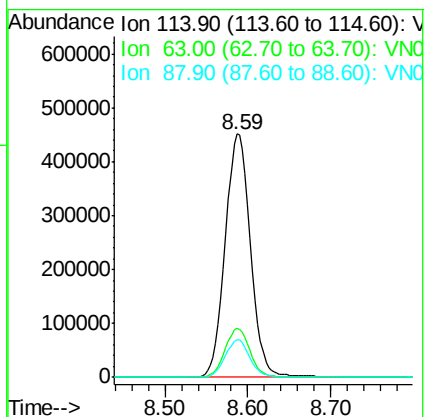
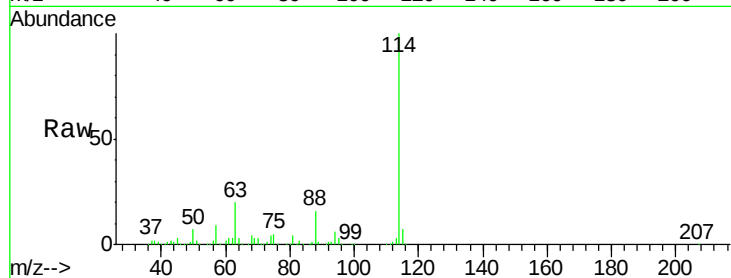




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VN049940.D
Acq: 20 Jul 2018 2:22

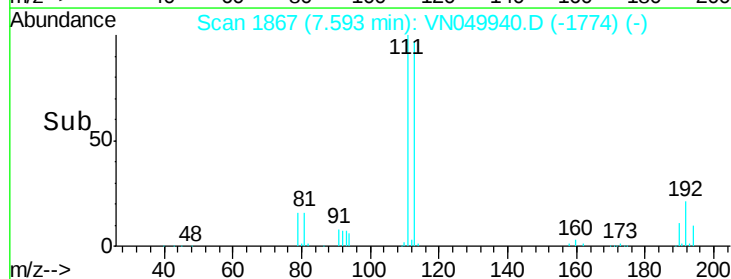
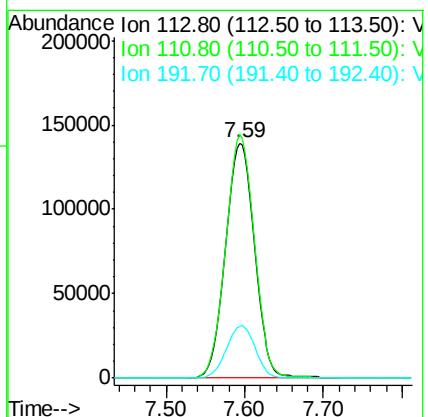
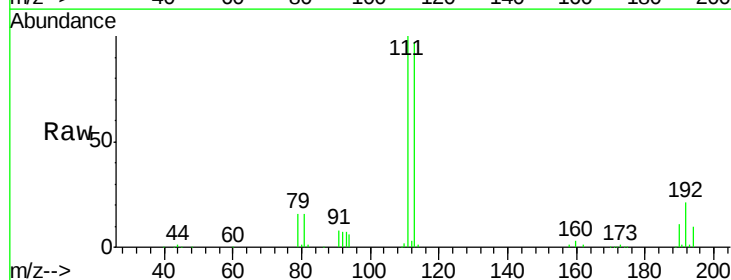
Instrument :
MSVOA_N
ClientSampleId :
HS-SOIL

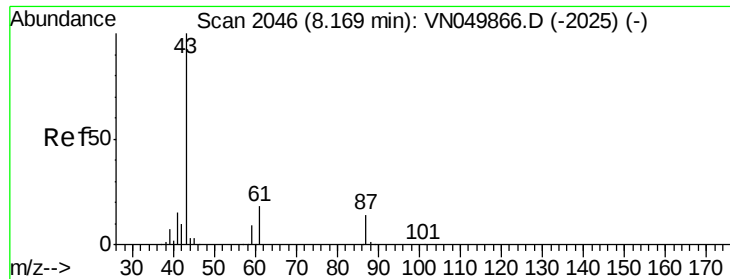
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.8
88	15.7	0.0	30.6



#35
Dibromofluoromethane
Concen: 44.29 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049940.D
Acq: 20 Jul 2018 2:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	22.0	17.8	26.6





#43

Isopropyl Acetate

Concen: 33.04 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049940.D

Acq: 20 Jul 2018 2:22

Instrument :

MSVOA_N

ClientSampleId :

HS-SOIL

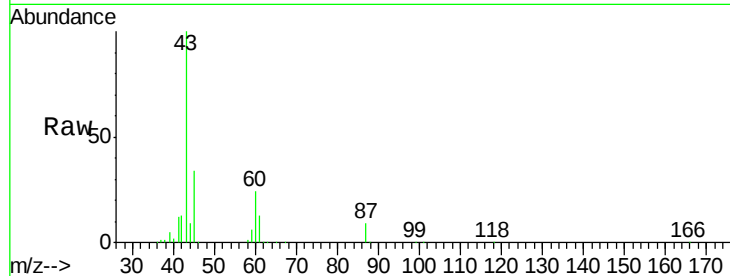
Tot Ion: 43 Resp: 423135

Ion Ratio Lower Upper

43 100

61 10.6 14.9 22.3#

87 6.9 10.0 15.0#

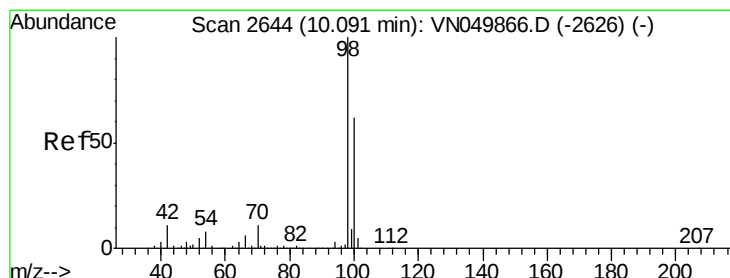
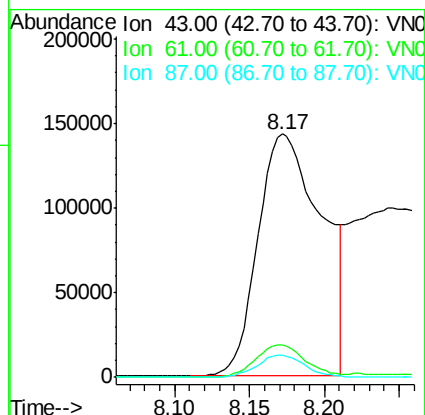
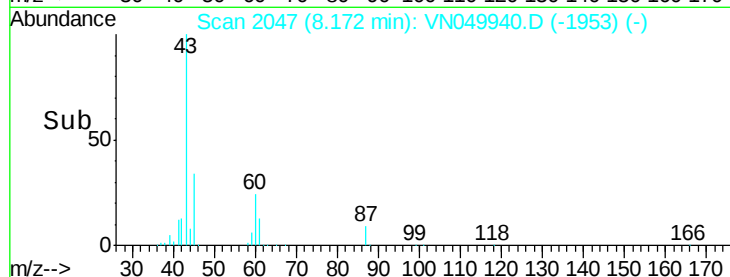


Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN049866.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN049866.D (-2025) (-)

Time-->



#50

Toluene-d8

Concen: 43.61 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049940.D

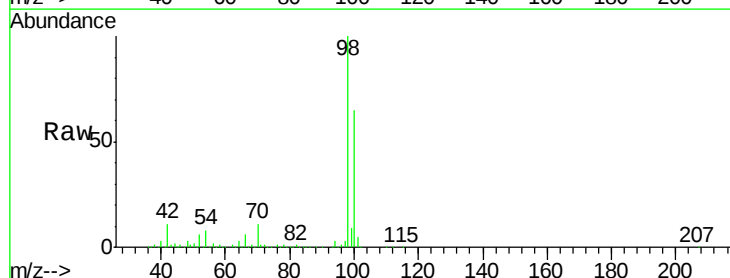
Acq: 20 Jul 2018 2:22

Tgt Ion: 98 Resp: 1280639

Ion Ratio Lower Upper

98 100

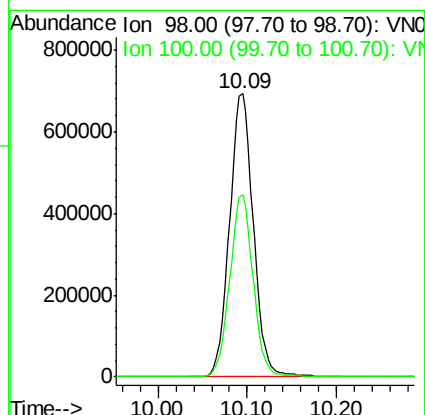
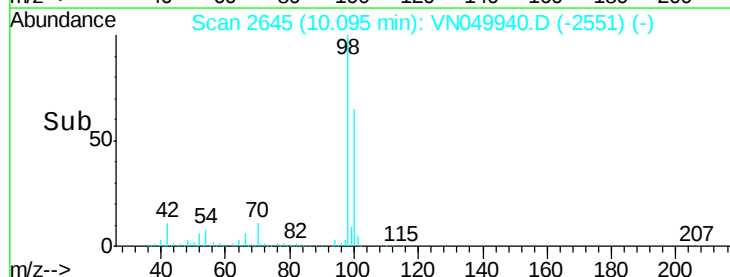
100 63.2 51.7 77.5

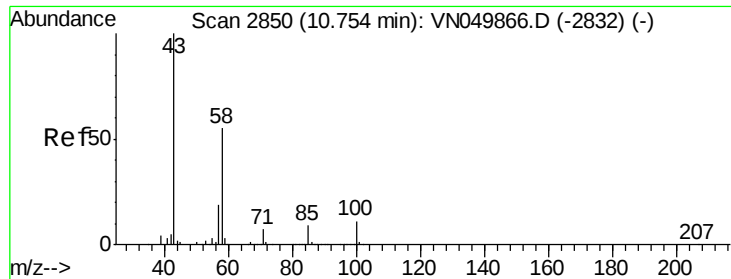


Abundance Ion 98.00 (97.70 to 98.70): VN049866.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049866.D (-2626) (-)

Time-->





#59

2-Hexanone

Concen: 3.58 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049940.D

Acq: 20 Jul 2018 2:22

Instrument :

MSVOA_N

ClientSampled :

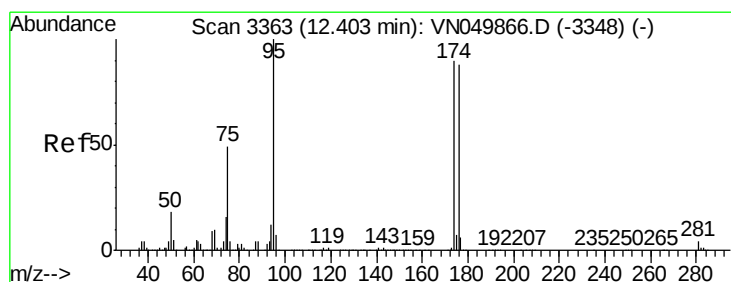
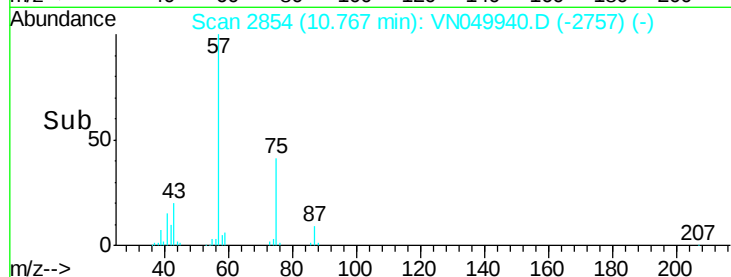
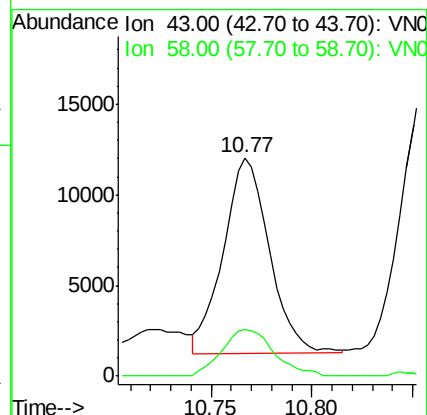
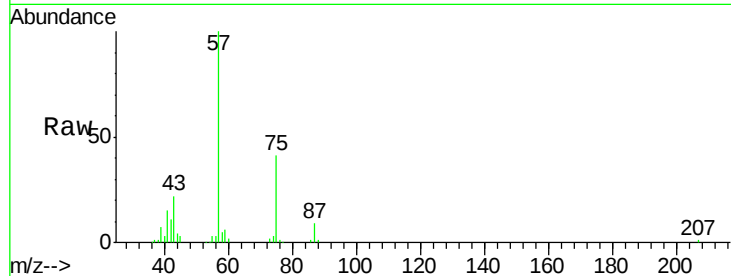
HS-SOIL

Tot Ion: 43 Resp: 17215

Ion Ratio Lower Upper

43 100

58 26.9 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 34.76 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049940.D

Acq: 20 Jul 2018 2:22

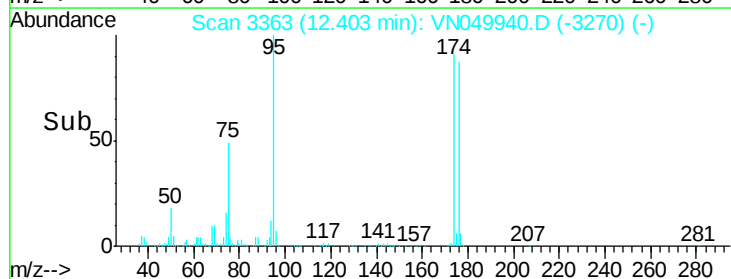
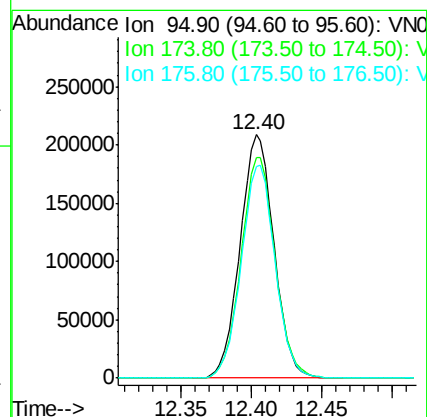
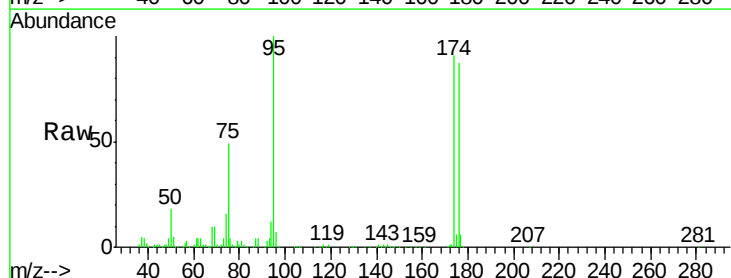
Tgt Ion: 95 Resp: 351575

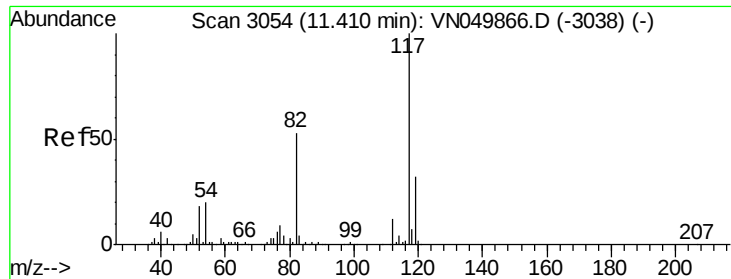
Ion Ratio Lower Upper

95 100

174 91.2 0.0 179.6

176 87.4 0.0 174.0

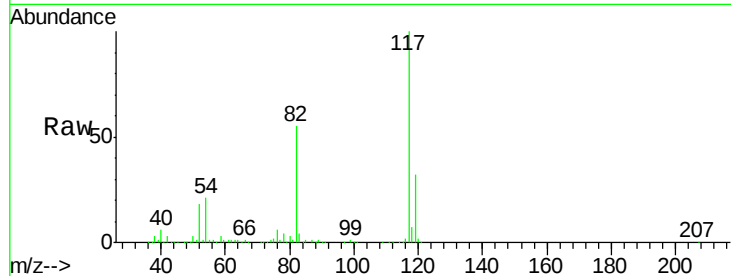




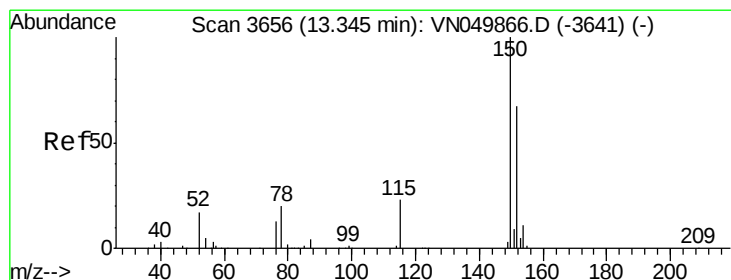
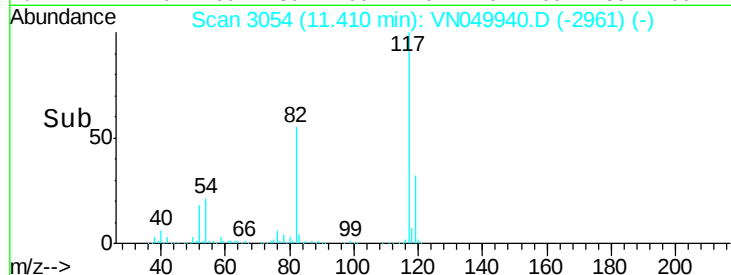
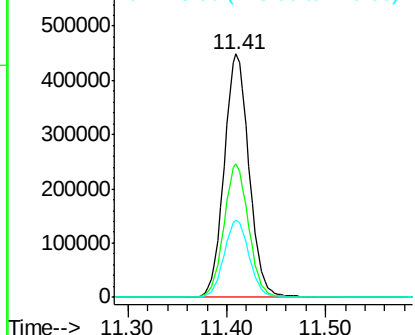
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049940.D
Acq: 20 Jul 2018 2:22

Instrument :
MSVOA_N
ClientSampled :
HS-SOIL

Tot Ion:117 Resp: 793977
Ion Ratio Lower Upper
117 100
82 54.8 41.9 62.9
119 31.9 25.4 38.2

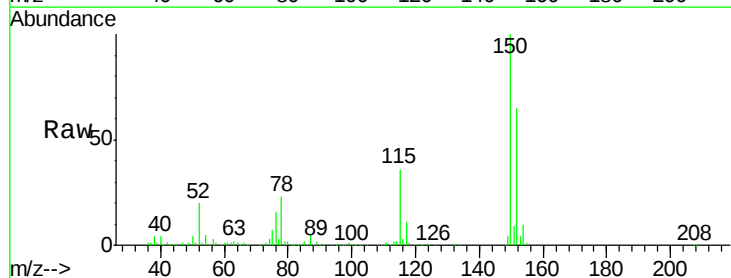


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

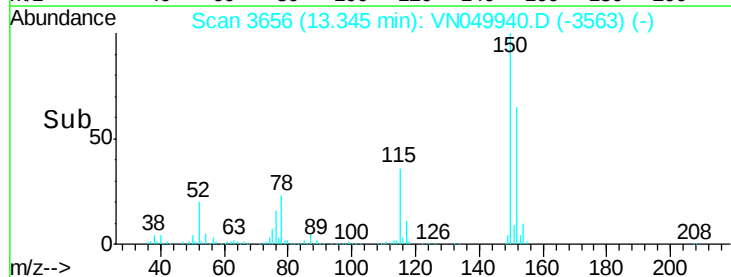
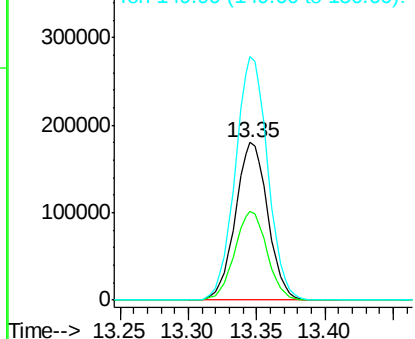


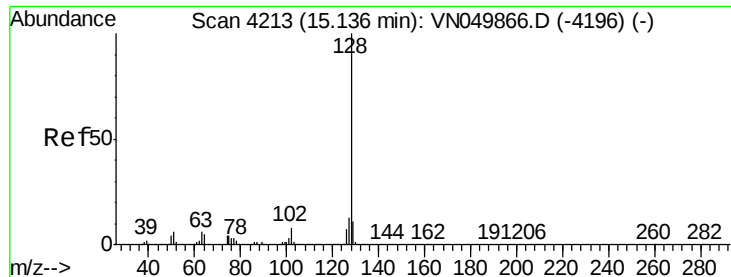
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049940.D
Acq: 20 Jul 2018 2:22

Tgt Ion:152 Resp: 295773
Ion Ratio Lower Upper
152 100
115 56.1 28.1 84.2
150 154.8 0.0 347.6



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

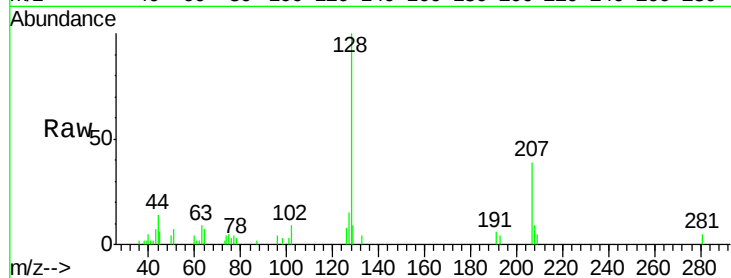




#95
 Naphthalene
 Concen: 5.57 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049940.D
 Acq: 20 Jul 2018 2:22

Instrument :
 MSVOA_N
 ClientSampleId :
 HS-SOIL

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.4	15.6
129	11.4	8.6	13.0



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

