

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049980.D
 Acq On : 20 Jul 2018 22:51
 Operator : MD\SY
 Sample : J4057-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LS-SOIL-2

Quant Time: Jul 21 03:22:57 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	544564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	946069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	793274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291787	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	404618	54.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.12%	
35) Dibromofluoromethane	7.59	113	357206	44.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.96%	
50) Toluene-d8	10.09	98	1259428	43.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.04%	
62) 4-Bromofluorobenzene	12.40	95	347668	34.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	69.76%	

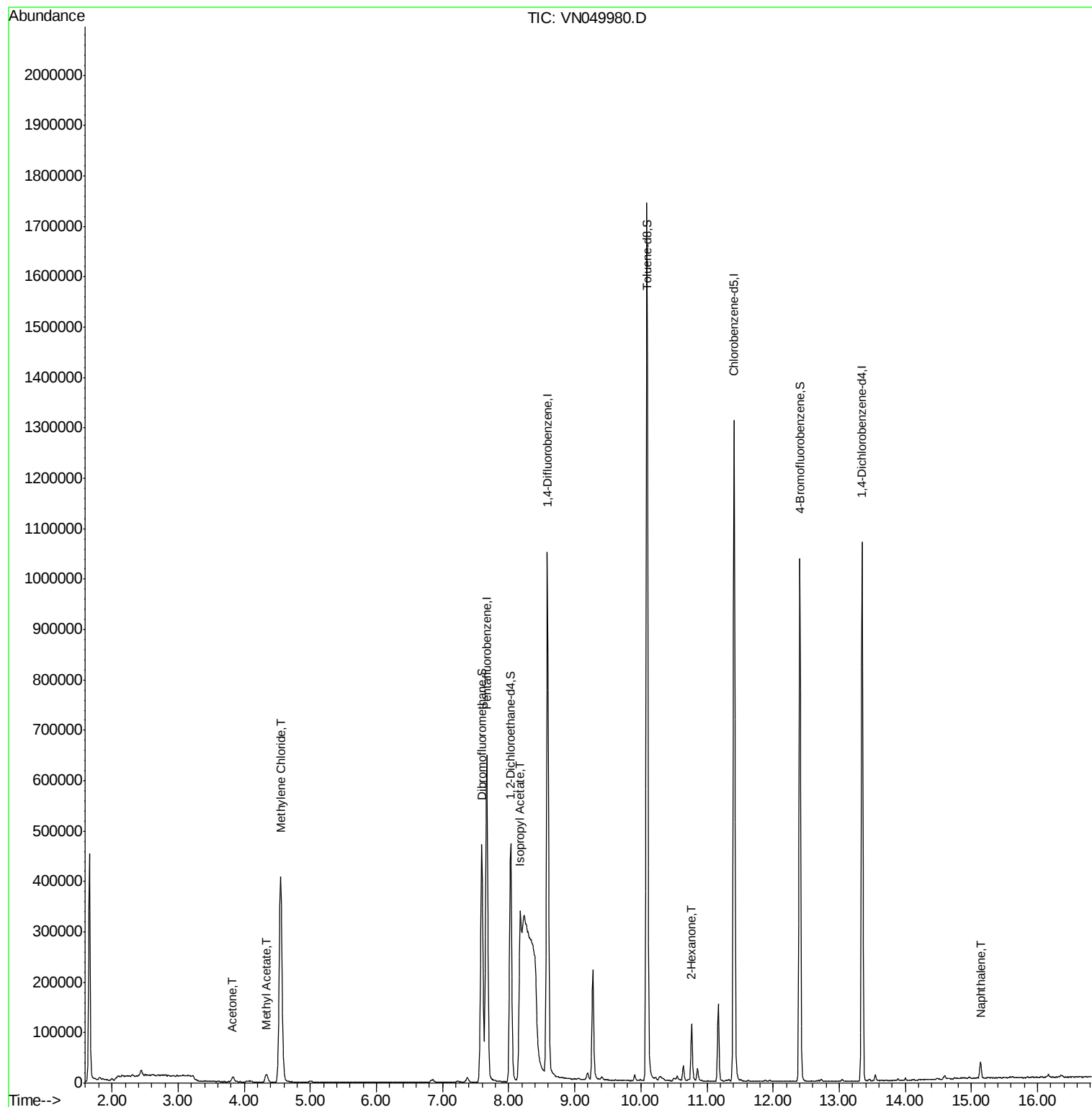
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	16440	8.48	ug/l	# 85
18) Methyl Acetate	4.33	43	29645	4.11	ug/l	98
20) Methylene Chloride	4.55	84	313977	42.60	ug/l	98
43) Isopropyl Acetate	8.17	43	403312	31.96	ug/l	# 83
59) 2-Hexanone	10.77	43	14932	3.15	ug/l	# 58
95) Naphthalene	15.14	128	27660	6.31	ug/l	98

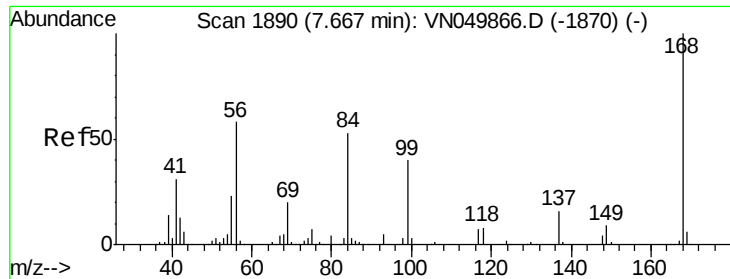
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VN049980.D

Acq: 20 Jul 2018 22:51

Instrument :

MSVOA_N

ClientSampled :

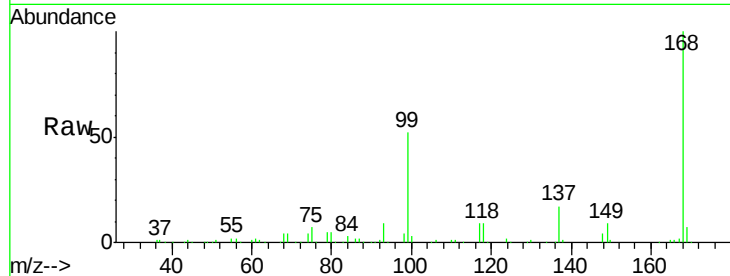
LS-SOIL-2

Tot Ion:168 Resp: 544564

Ion Ratio Lower Upper

168 100

99 51.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

100000

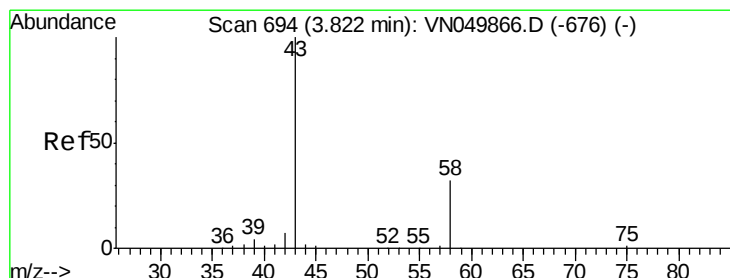
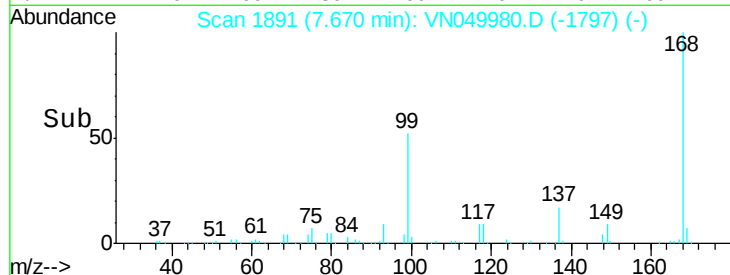
50000

0

Time-->

7.60

7.70



#16

Acetone

Concen: 8.48 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049980.D

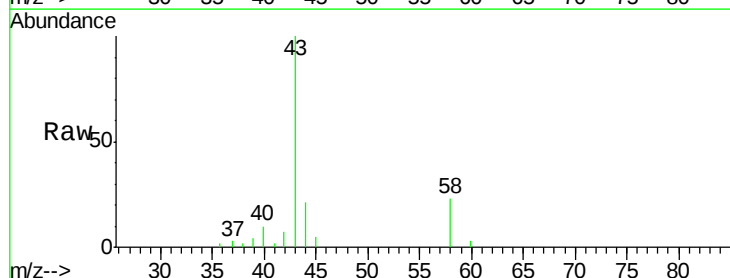
Acq: 20 Jul 2018 22:51

Tgt Ion: 43 Resp: 16440

Ion Ratio Lower Upper

43 100

58 24.2 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

8000

6000

4000

2000

0

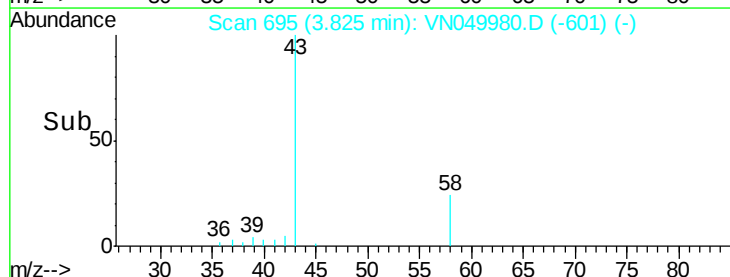
Time-->

3.75

3.80

3.85

3.90

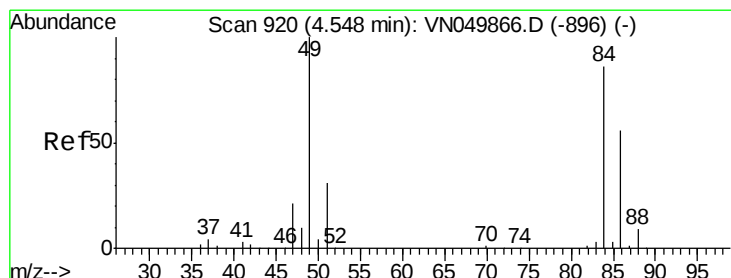
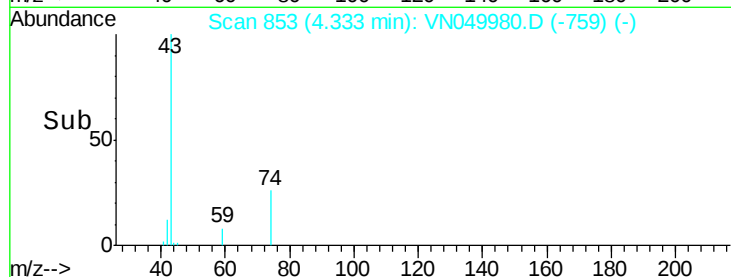
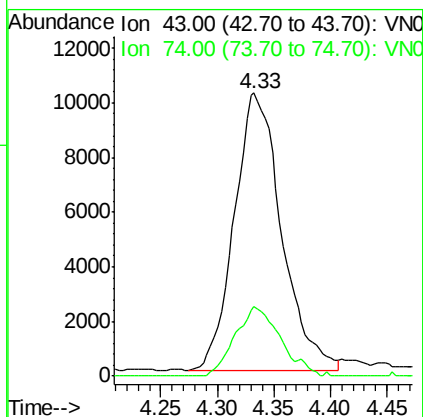
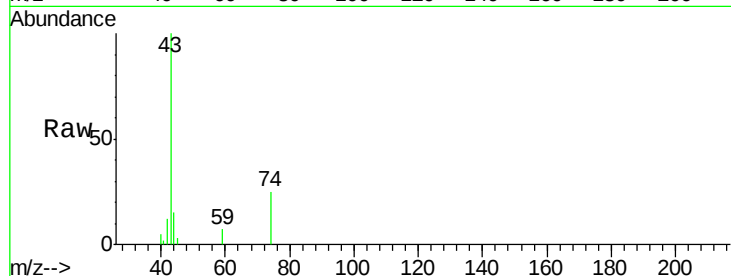




#18
Methvl Acetate
Concen: 4.11 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049980.D
Acq: 20 Jul 2018 22:51

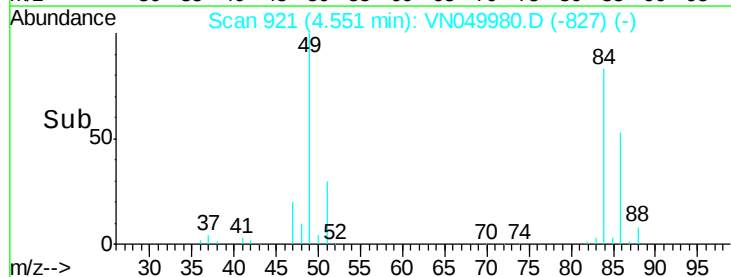
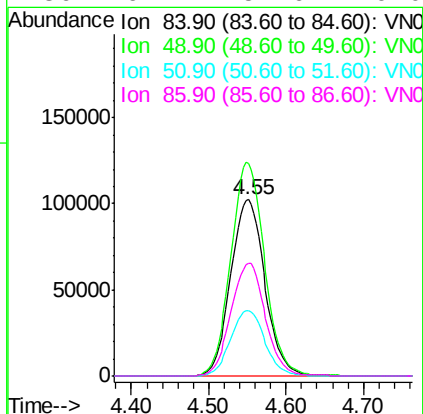
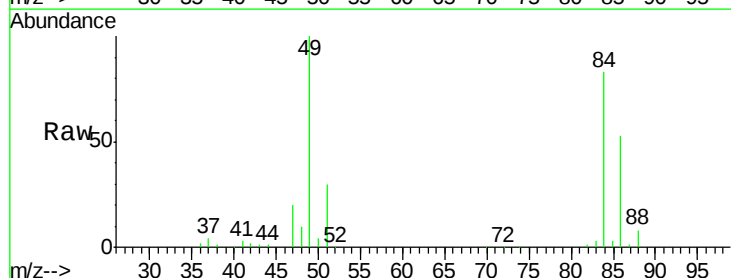
Instrument :
MSVOA_N
ClientSampleId :
LS-SOIL-2

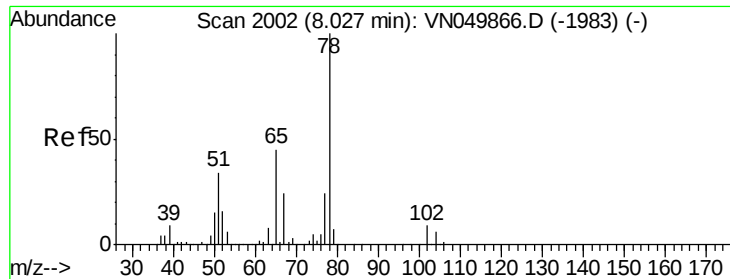
Tot Ion: 43 Resp: 29645
Ion Ratio Lower Upper
43 100
74 23.9 19.8 29.8



#20
Methylene Chloride
Concen: 42.60 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049980.D
Acq: 20 Jul 2018 22:51

Tgt Ion: 84 Resp: 313977
Ion Ratio Lower Upper
84 100
49 120.7 95.4 143.2
51 36.8 28.4 42.6
86 64.1 52.6 79.0

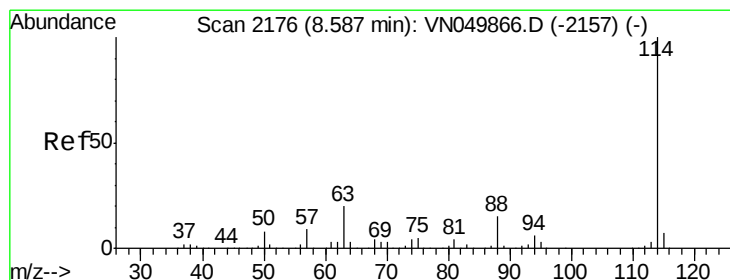
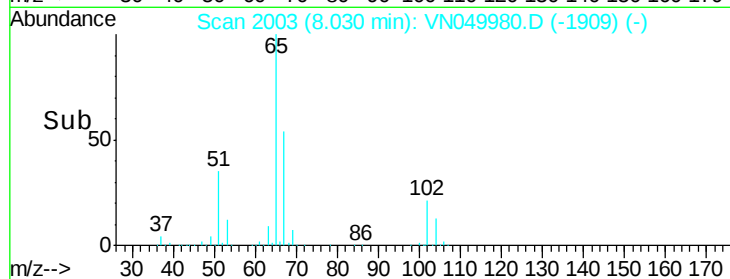
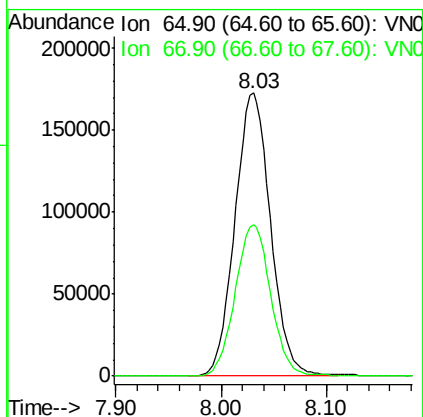
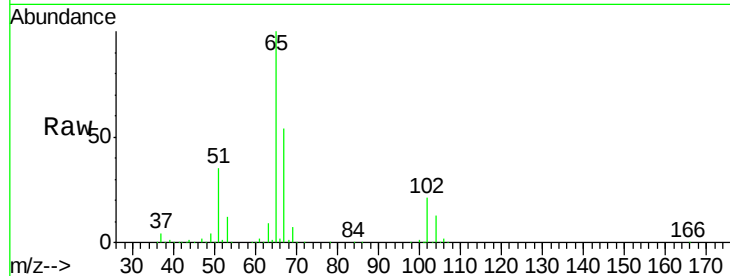




#33
 1,2-Dichloroethane-d4
 Concen: 54.06 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049980.D
 Acq: 20 Jul 2018 22:51

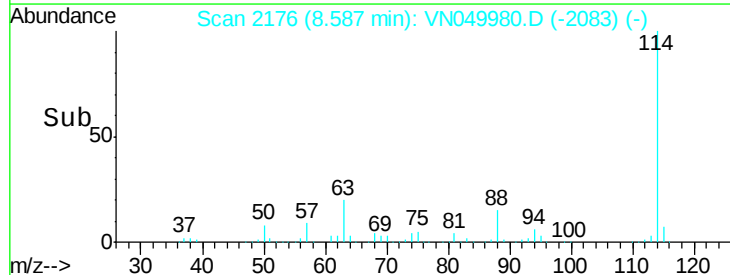
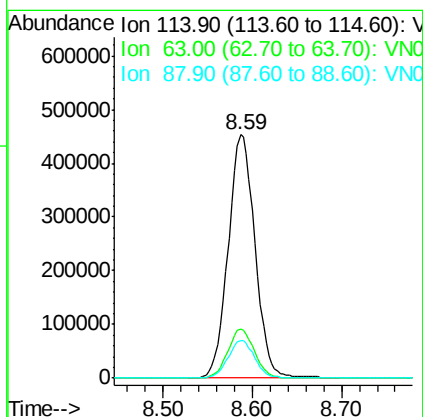
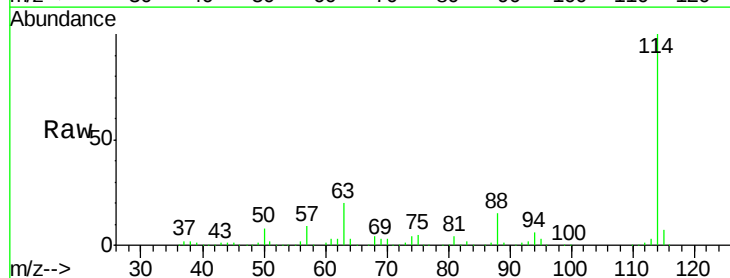
Instrument :
 MSVOA_N
 ClientSampleId :
 LS-SOIL-2

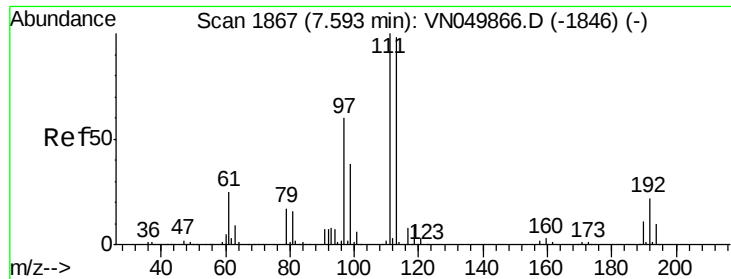
Tot Ion: 65 Resp: 404618
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049980.D
 Acq: 20 Jul 2018 22:51

Tgt Ion: 114 Resp: 946069
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.8
 88 15.4 0.0 30.6

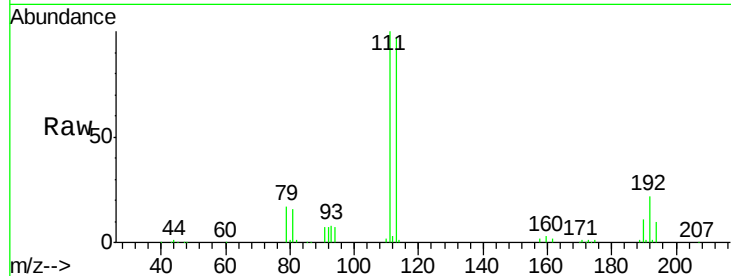




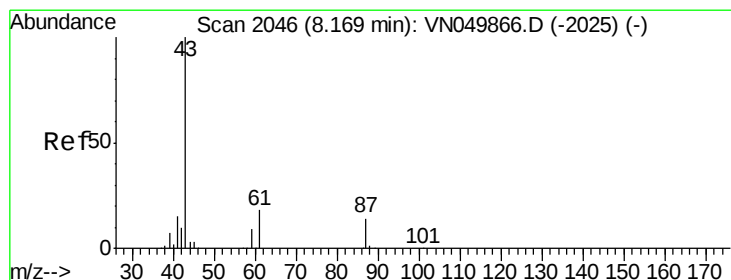
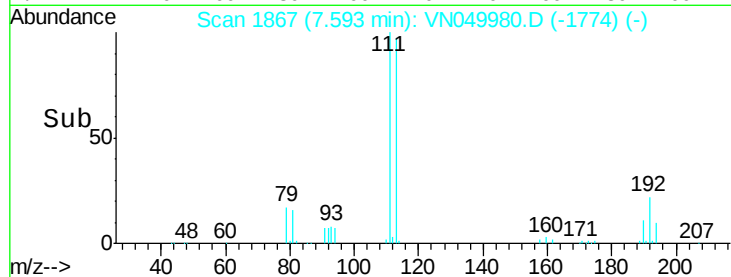
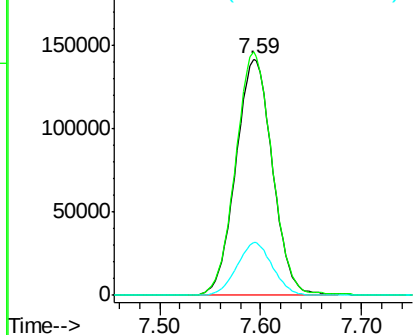
#35
 Dibromofluoromethane
 Concen: 44.98 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049980.D
 Acq: 20 Jul 2018 22:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LS-SOIL-2

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.8
192	21.7	17.8	26.6

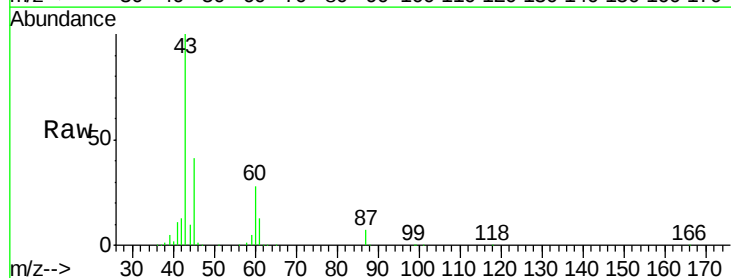


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

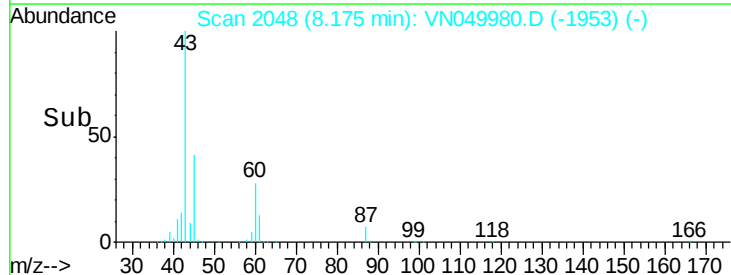
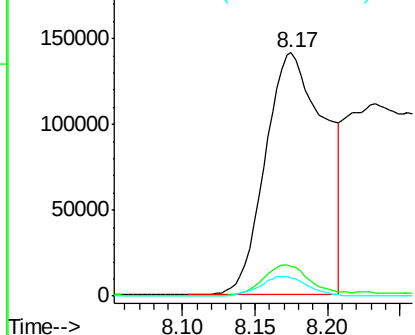


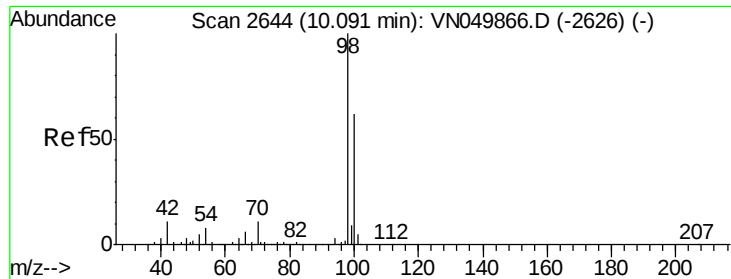
#43
 Isopropyl Acetate
 Concen: 31.96 ug/l
 RT: 8.17 min Scan# 2048
 Delta R.T. 0.01 min
 Lab File: VN049980.D
 Acq: 20 Jul 2018 22:51

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.5	14.9	22.3#
87	6.4	10.0	15.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 87.00 (86.70 to 87.70): VNO

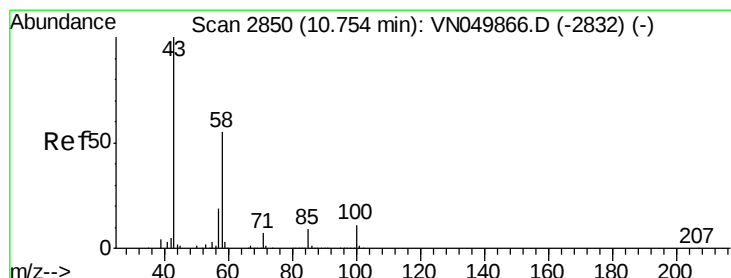
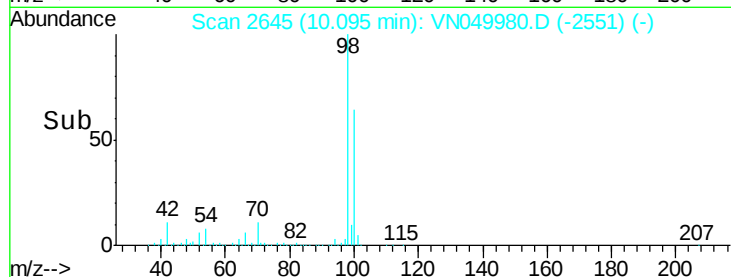
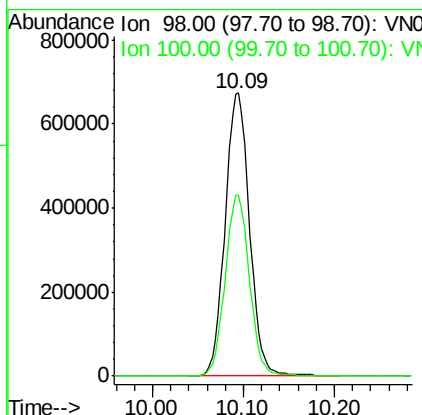
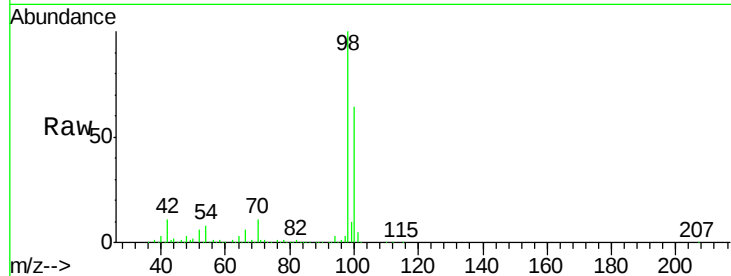




#50
Toluene-d8
Concen: 43.52 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049980.D
Acq: 20 Jul 2018 22:51

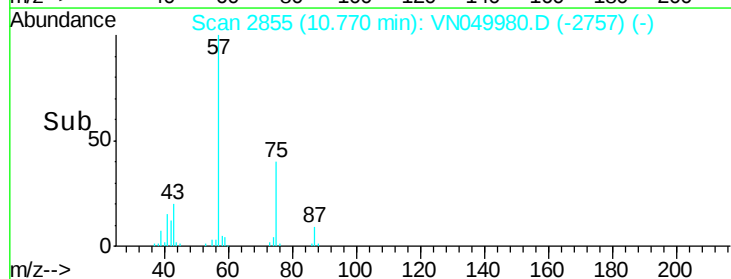
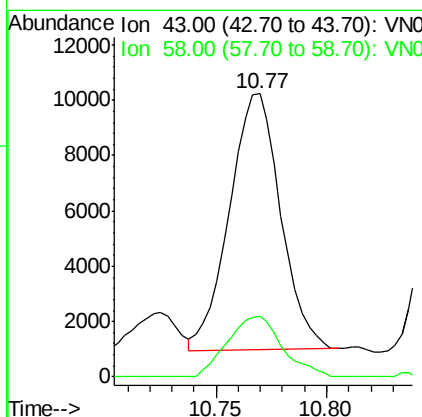
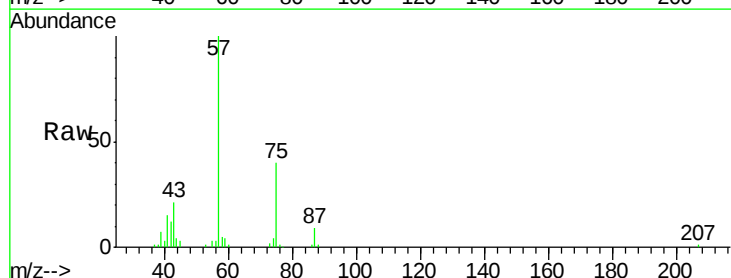
Instrument :
MSVOA_N
ClientSampled :
LS-SOIL-2

Tot Ion: 98 Resp: 1259428
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#59
2-Hexanone
Concen: 3.15 ug/l
RT: 10.77 min Scan# 2855
Delta R.T. 0.02 min
Lab File: VN049980.D
Acq: 20 Jul 2018 22:51

Tgt Ion: 43 Resp: 14932
Ion Ratio Lower Upper
43 100
58 25.4 27.8 83.4#





#62

4-Bromofluorobenzene

Concen: 34.88 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049980.D

Acq: 20 Jul 2018 22:51

Instrument :

MSVOA_N

ClientSampled :

LS-SOIL-2

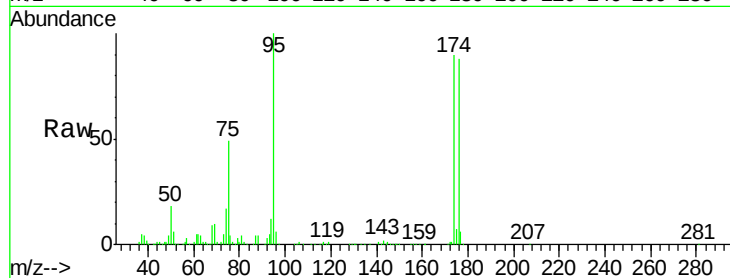
Tot Ion: 95 Resp: 347668

Ion Ratio Lower Upper

95 100

174 90.8 0.0 179.6

176 87.5 0.0 174.0

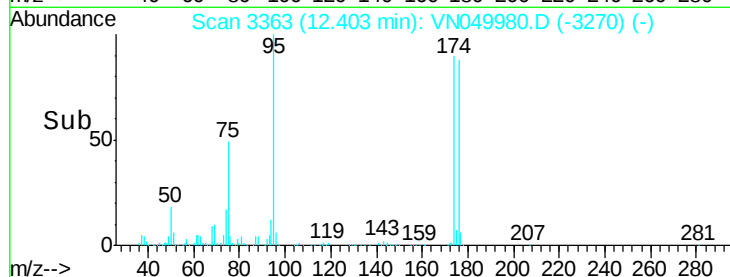


Abundance Ion 94.90 (94.60 to 95.60): VN049980.D (-2961) (-)

Ion 173.80 (173.50 to 174.50): VN049980.D (-2961) (-)

Ion 175.80 (175.50 to 176.50): VN049980.D (-2961) (-)

Time--> 12.30 12.40 12.50

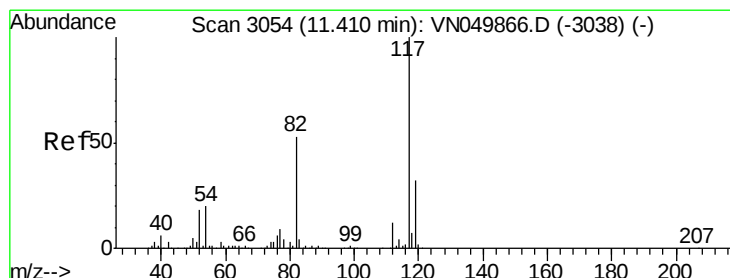


Abundance Ion 94.90 (94.60 to 95.60): VN049980.D (-2961) (-)

Ion 173.80 (173.50 to 174.50): VN049980.D (-2961) (-)

Ion 175.80 (175.50 to 176.50): VN049980.D (-2961) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049980.D

Acq: 20 Jul 2018 22:51

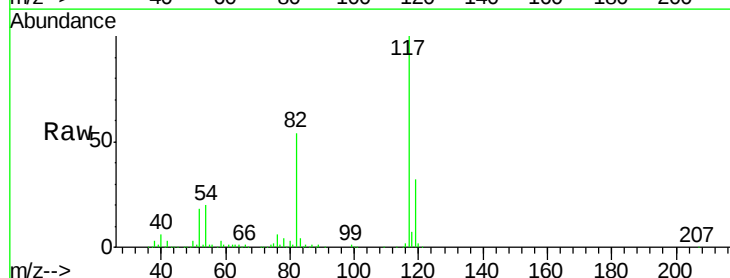
Tgt Ion: 117 Resp: 793274

Ion Ratio Lower Upper

117 100

82 53.7 41.9 62.9

119 32.2 25.4 38.2

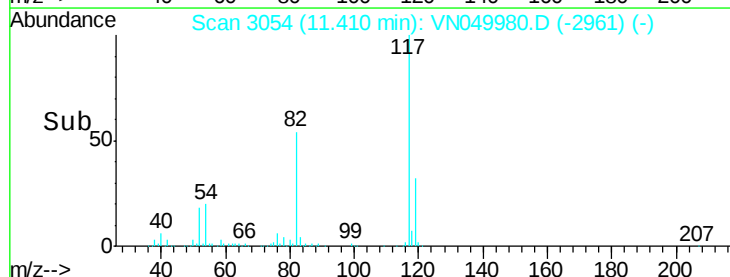


Abundance Ion 116.90 (116.60 to 117.60): VN049980.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049980.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049980.D (-2961) (-)

Time--> 11.30 11.40 11.50

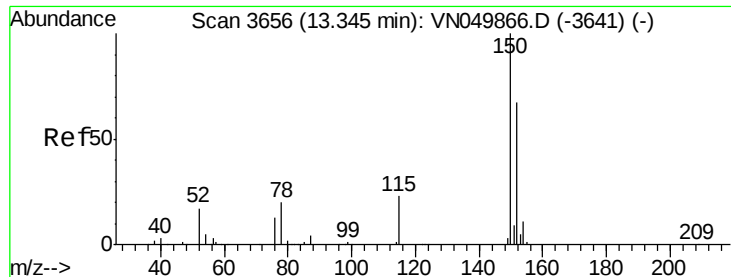


Abundance Ion 116.90 (116.60 to 117.60): VN049980.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049980.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049980.D (-2961) (-)

Time--> 11.30 11.40 11.50



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049980.D

Acq: 20 Jul 2018 22:51

Instrument :

MSVOA_N

ClientSampleId :

LS-SOIL-2

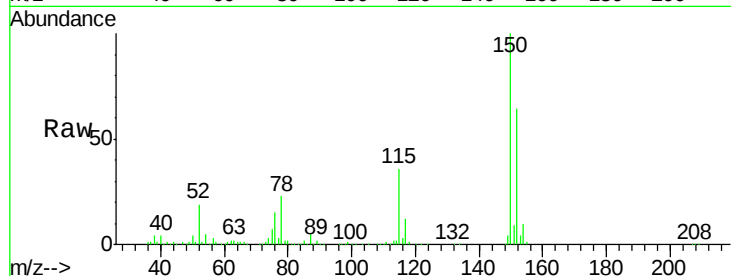
Tot Ion:152 Resp: 291787

Ion Ratio Lower Upper

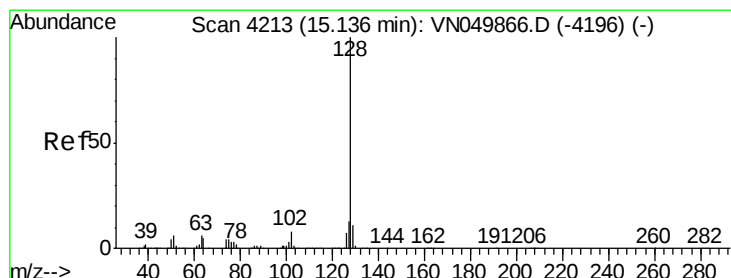
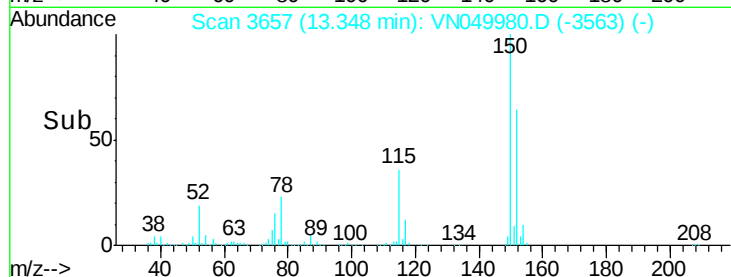
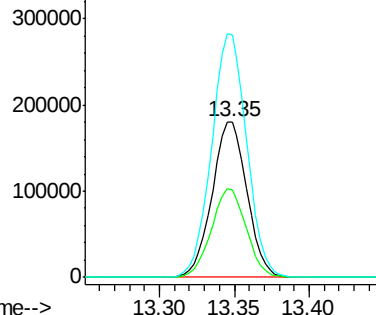
152 100

115 57.1 28.1 84.2

150 158.1 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: 6.31 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049980.D

Acq: 20 Jul 2018 22:51

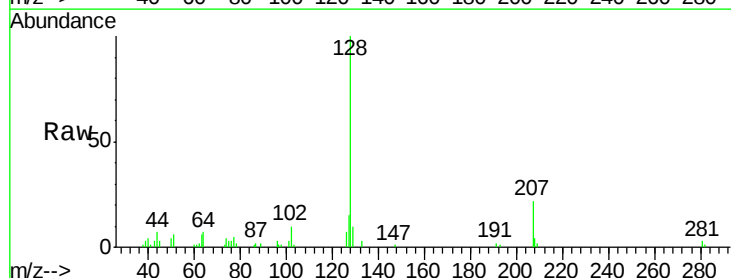
Tgt Ion:128 Resp: 27660

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 11.3 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

