

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051417.D
 Acq On : 23 Sep 2018 16:50
 Operator : MD\SY
 Sample : J5021-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LS-SOIL-B

Quant Time: Sep 24 07:42:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	704085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1078465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	417634	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	465546	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
35) Dibromofluoromethane	7.59	113	411980	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	10.09	98	1520250	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
62) 4-Bromofluorobenzene	12.40	95	450777	42.91	ug/l	0.00
Spiked Amount			Recovery	=	85.82%	

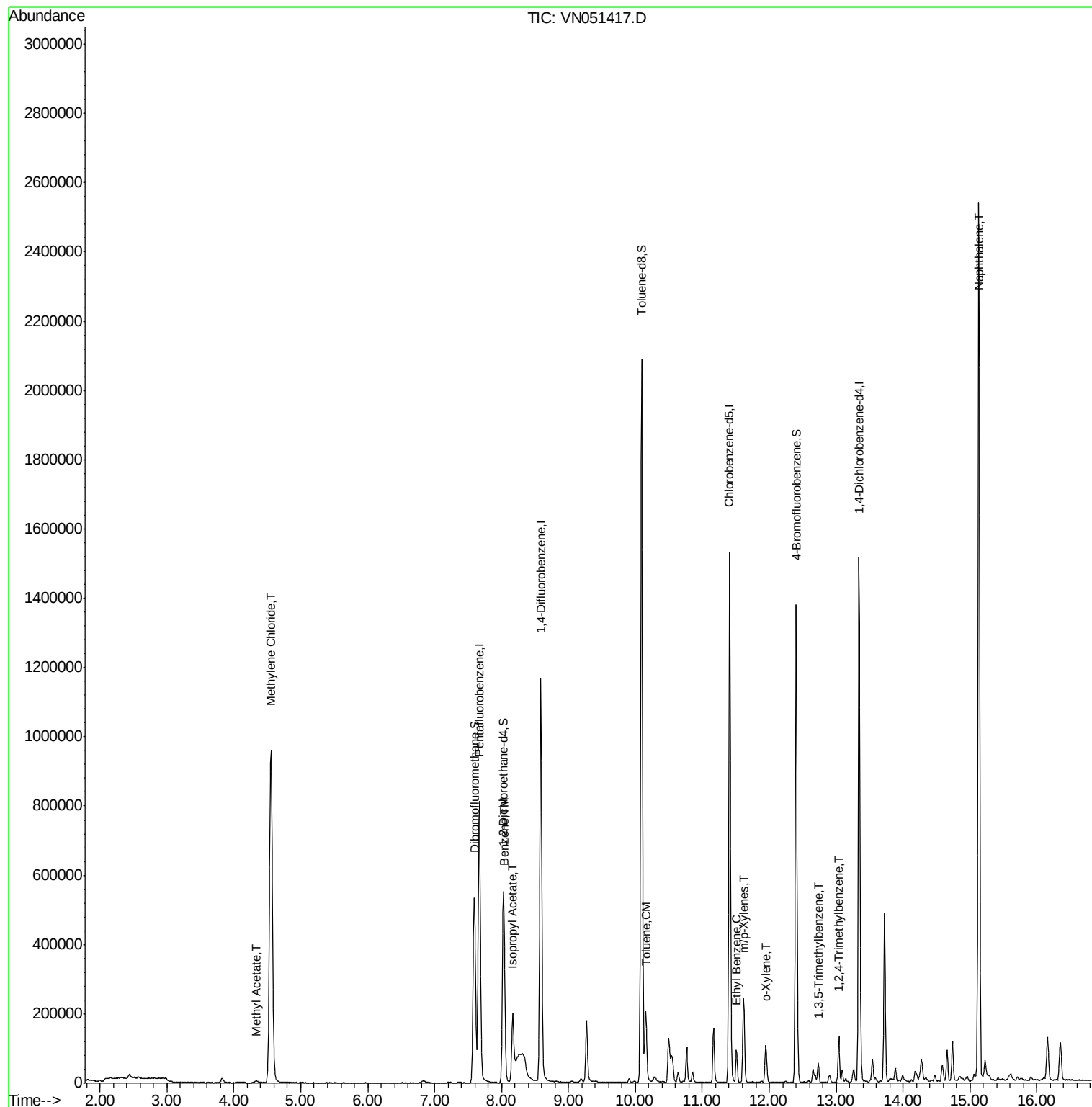
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.33	43	12072	1.797	ug/l	97
20) Methylene Chloride	4.55	84	725366	83.111	ug/l	98
40) Benzene	8.05	78	42858	1.169	ug/l	96
43) Isopropyl Acetate	8.17	43	252048	19.411	ug/l	94
52) Toluene	10.16	92	85964	3.772	ug/l	99
67) Ethyl Benzene	11.51	91	66120	1.655	ug/l	95
68) m/p-Xylenes	11.62	106	78045	5.051	ug/l	97
69) o-Xylene	11.95	106	27117	1.826	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	28848	1.004	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	73879	2.552	ug/l	100
95) Naphthalene	15.13	128	2144733	123.944	ug/l	100

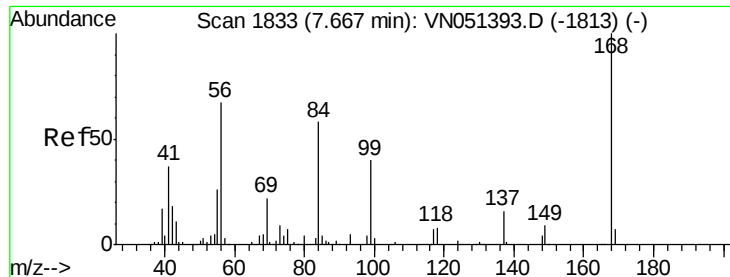
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
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QLast Update : Mon Sep 24 06:41:32 2018
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: VN051417.D

Acq: 23 Sep 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

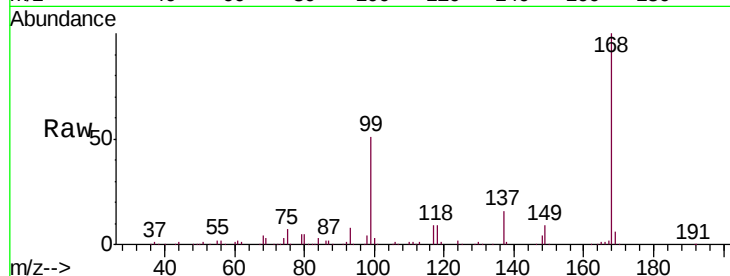
LS-SOIL-B

Tgt Ion:168 Resp: 704085

Ion Ratio Lower Upper

168 100

99 51.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

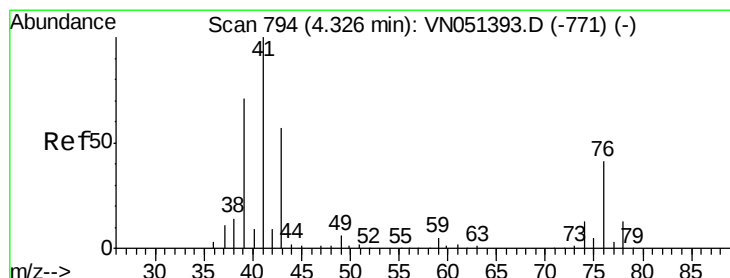
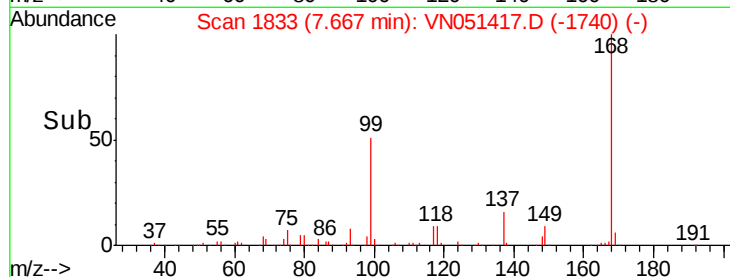
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 1.797 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051417.D

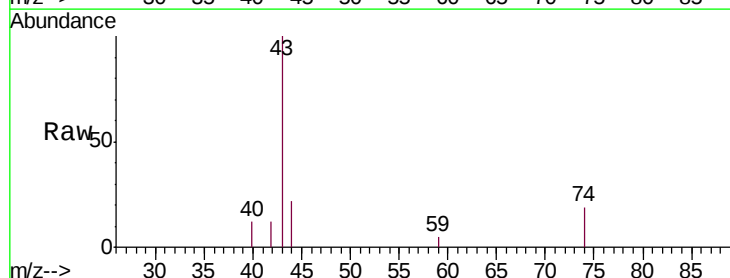
Acq: 23 Sep 2018 16:50

Tgt Ion: 43 Resp: 12072

Ion Ratio Lower Upper

43 100

74 22.1 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

4000

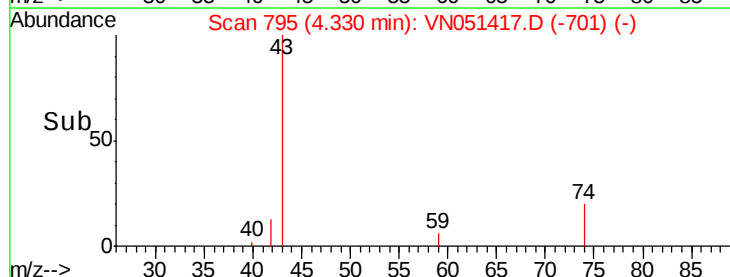
3000

2000

1000

0

Time-->

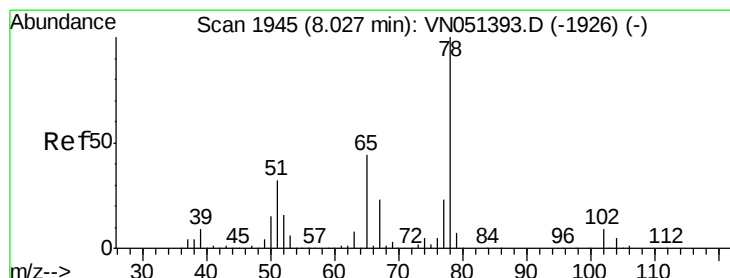
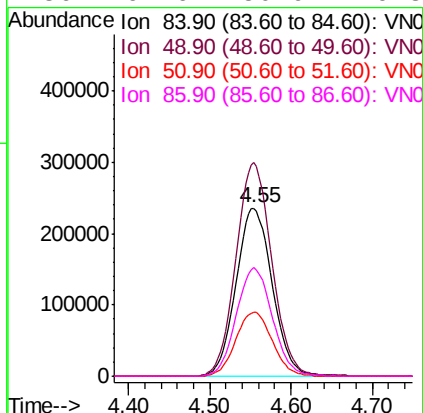
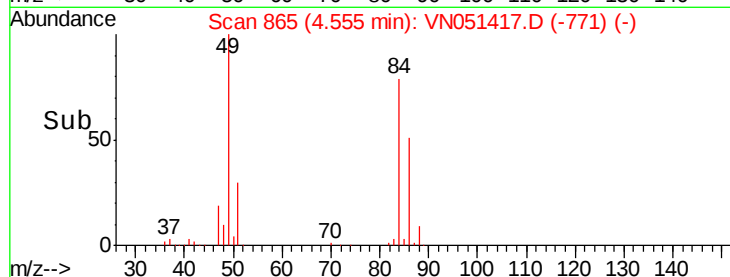
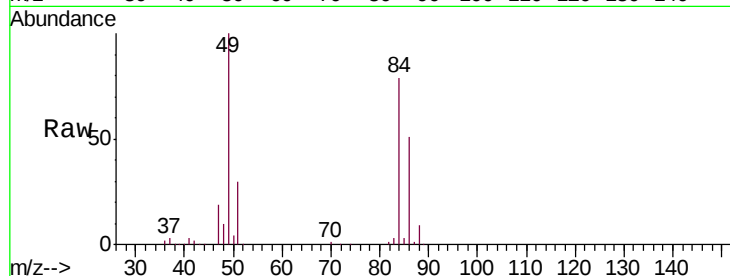




#20
Methylene Chloride
Concen: 83.111 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051417.D
Acq: 23 Sep 2018 16:50

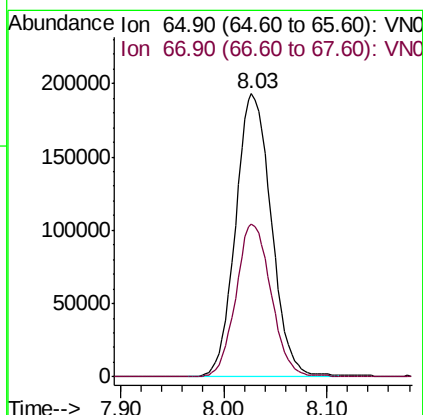
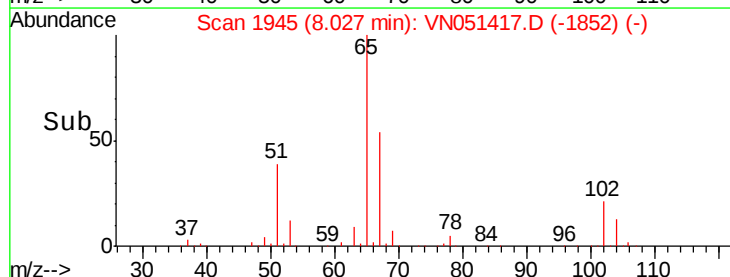
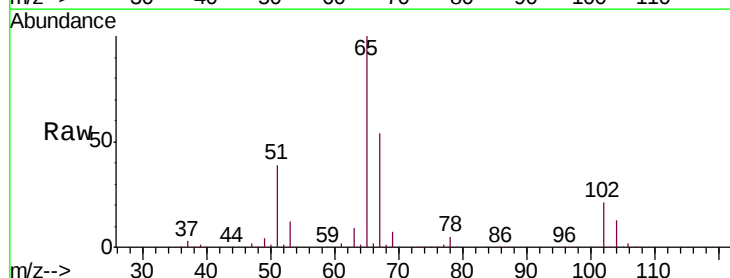
Instrument :
MSVOA_N
ClientSampled :
LS-SOIL-B

Tgt Ion: 84 Resp: 725366
Ion Ratio Lower Upper
84 100
49 127.2 99.9 149.9
51 38.1 31.4 47.2
86 64.6 50.9 76.3



#33
1,2-Dichloroethane-d4
Concen: 52.783 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051417.D
Acq: 23 Sep 2018 16:50

Tgt Ion: 65 Resp: 465546
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.8

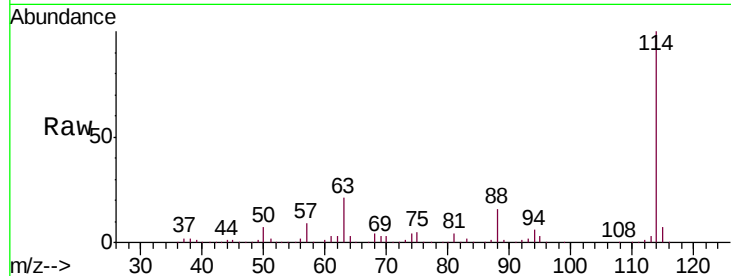




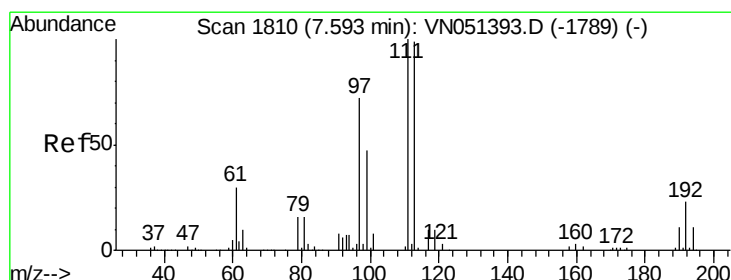
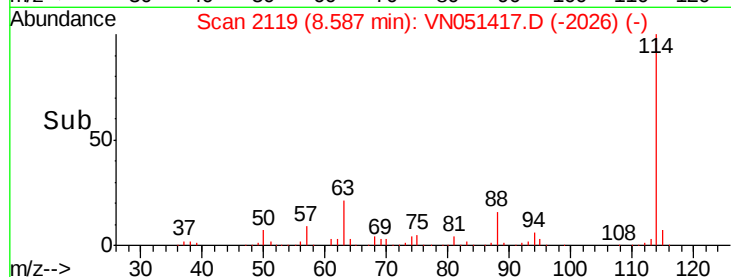
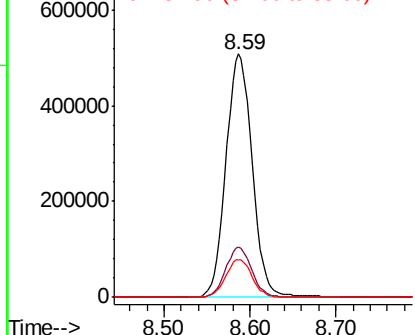
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051417.D
 Acq: 23 Sep 2018 16:50

Instrument :
 MSVOA_N
 ClientSampleId :
 LS-SOIL-B

Tgt Ion:114 Resp: 1078465
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.6 0.0 31.4

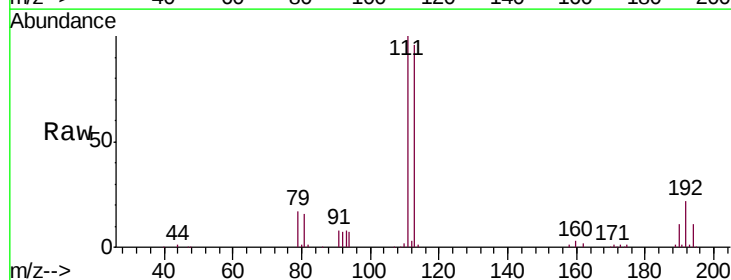


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

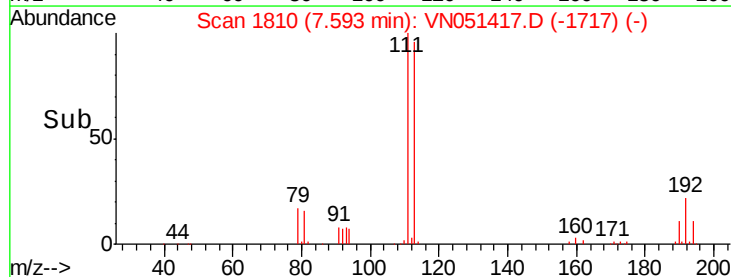
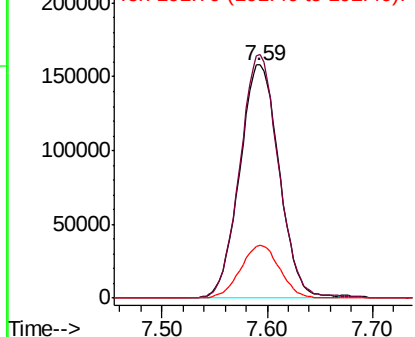


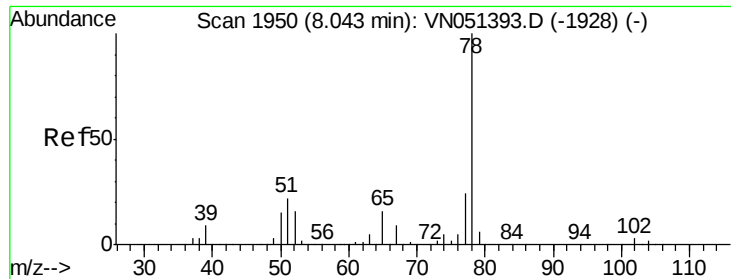
#35
 Dibromofluoromethane
 Concen: 47.771 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051417.D
 Acq: 23 Sep 2018 16:50

Tgt Ion:113 Resp: 411980
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 123.8
 192 22.5 18.0 27.0



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





#40

Benzene

Concen: 1.169 ug/l

RT: 8.05 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VN051417.D

Acq: 23 Sep 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

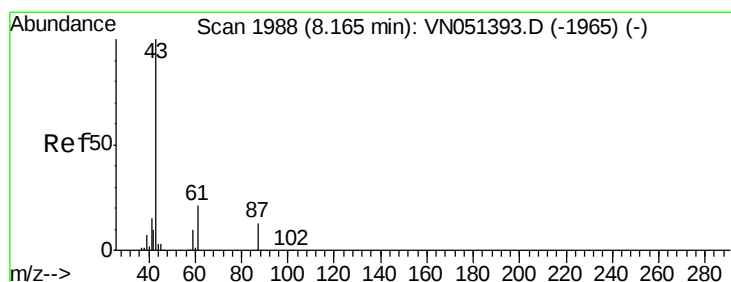
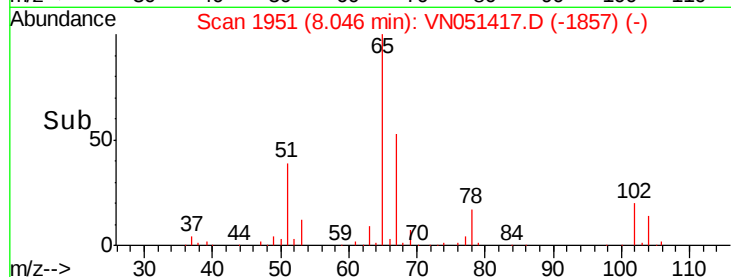
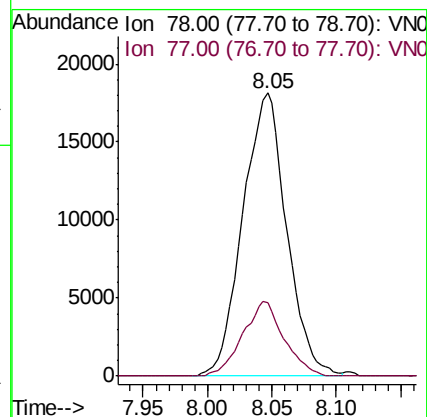
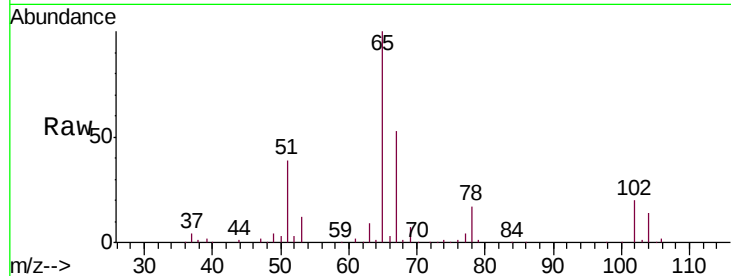
LS-SOIL-B

Tgt Ion: 78 Resp: 42858

Ion Ratio Lower Upper

78 100

77 26.0 19.2 28.8



#43

Isopropyl Acetate

Concen: 19.411 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051417.D

Acq: 23 Sep 2018 16:50

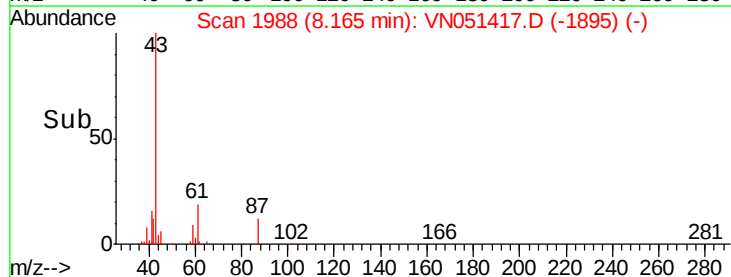
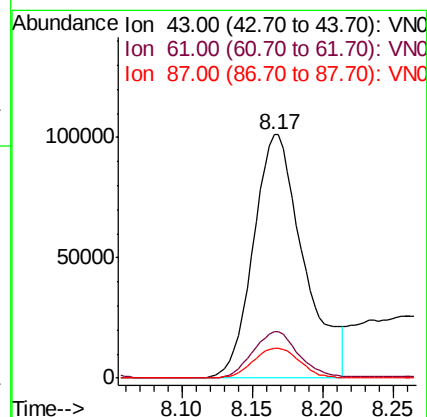
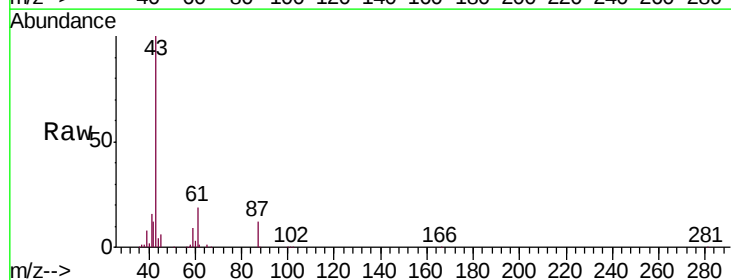
Tgt Ion: 43 Resp: 252048

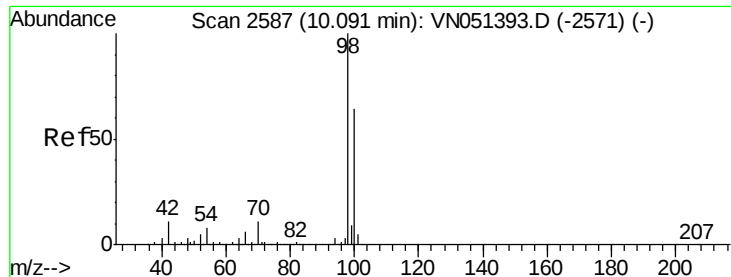
Ion Ratio Lower Upper

43 100

61 17.6 16.8 25.2

87 11.4 10.7 16.1





#50

Toluene-d8

Concen: 46.813 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051417.D

Acq: 23 Sep 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

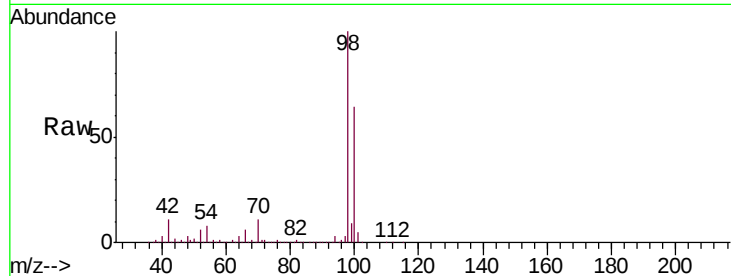
LS-SOIL-B

Tgt Ion: 98 Resp: 1520250

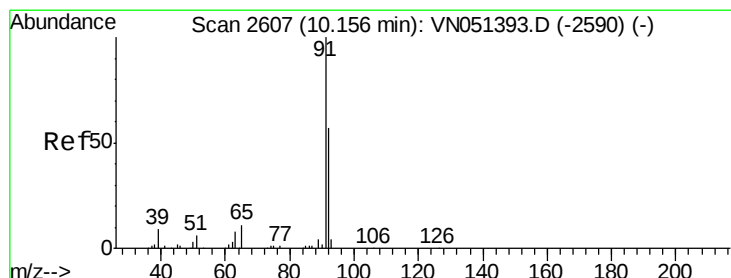
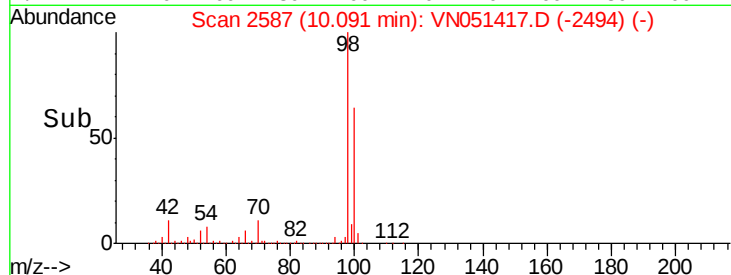
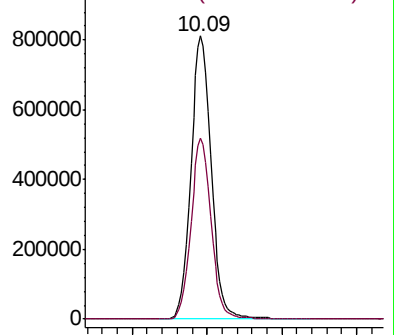
Ion Ratio Lower Upper

98 100

100 63.3 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051417.D (-2571) (-)



#52

Toluene

Concen: 3.772 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051417.D

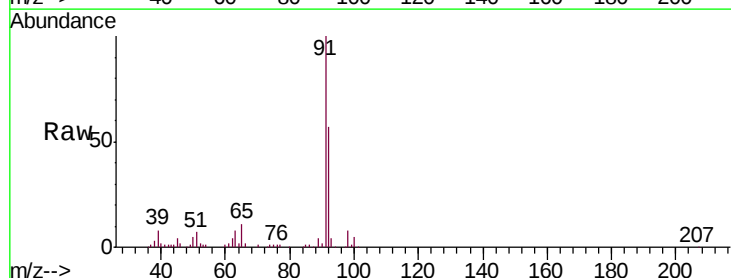
Acq: 23 Sep 2018 16:50

Tgt Ion: 92 Resp: 85964

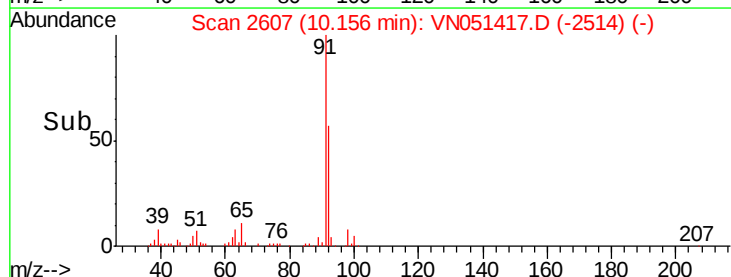
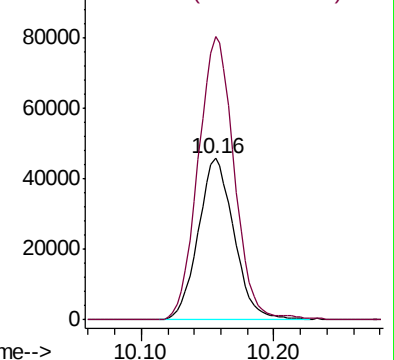
Ion Ratio Lower Upper

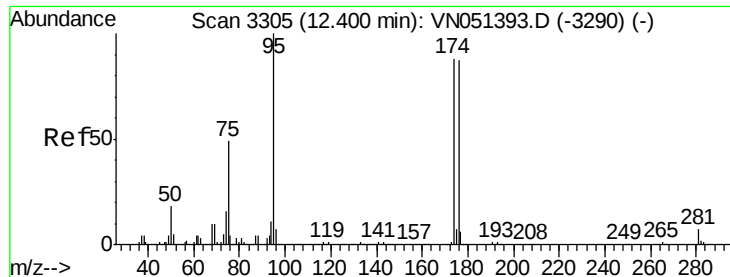
92 100

91 177.0 142.2 213.4



Abundance Ion 92.00 (91.70 to 92.70): VN051417.D (-2514) (-)





#62

4-Bromofluorobenzene

Concen: 42.908 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051417.D

Acq: 23 Sep 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

LS-SOIL-B

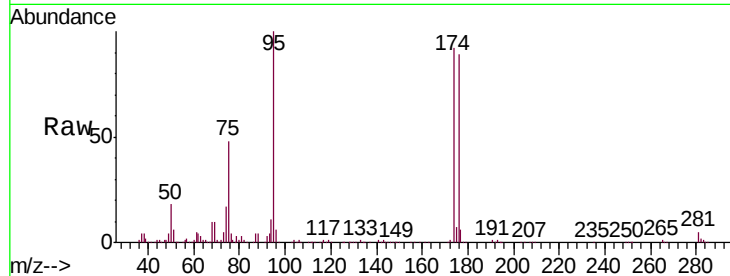
Tgt Ion: 95 Resp: 450777

Ion Ratio Lower Upper

95 100

174 91.1 0.0 181.6

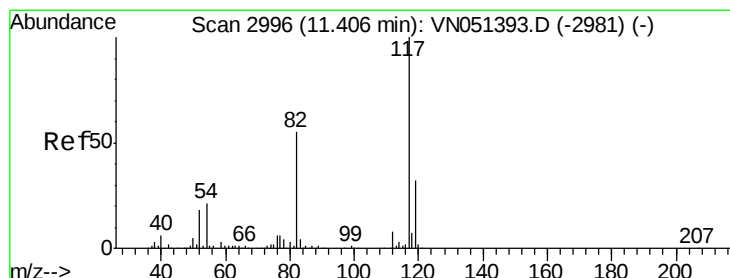
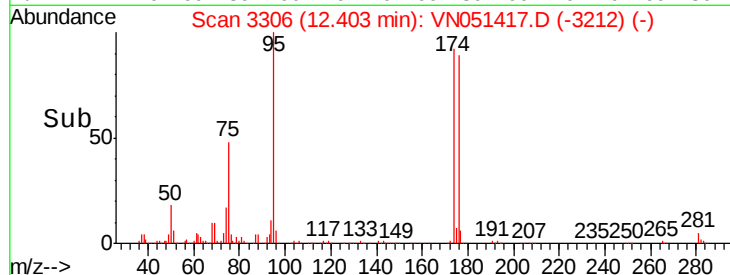
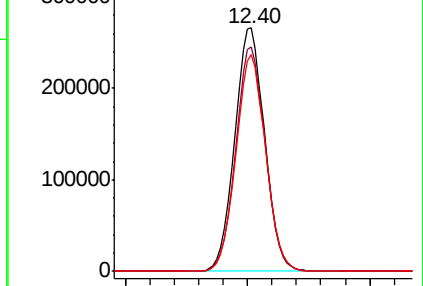
176 88.0 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051417.D

Acq: 23 Sep 2018 16:50

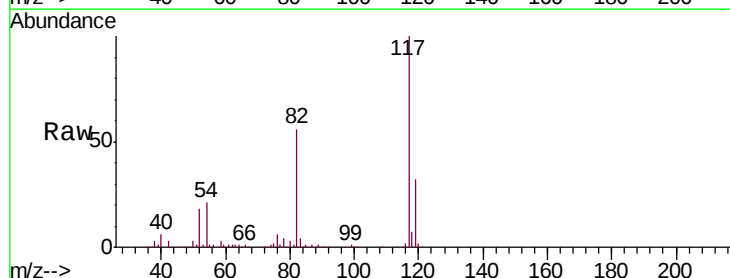
Tgt Ion: 117 Resp: 923846

Ion Ratio Lower Upper

117 100

82 56.1 44.2 66.2

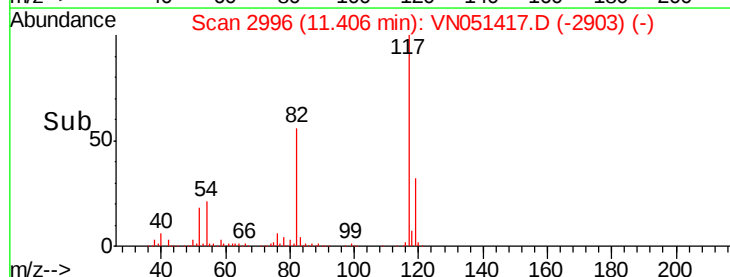
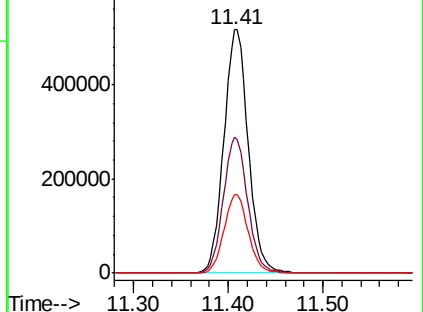
119 32.3 25.9 38.9

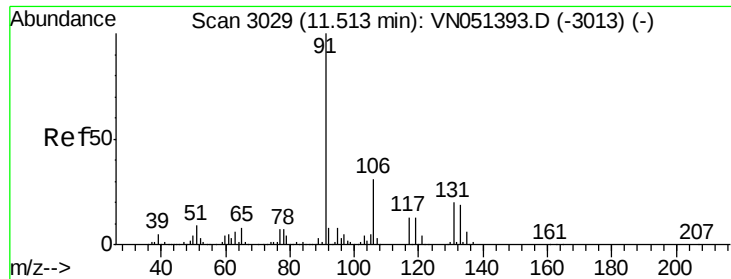


Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)





#67

Ethyl Benzene

Concen: 1.655 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051417.D

Acq: 23 Sep 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

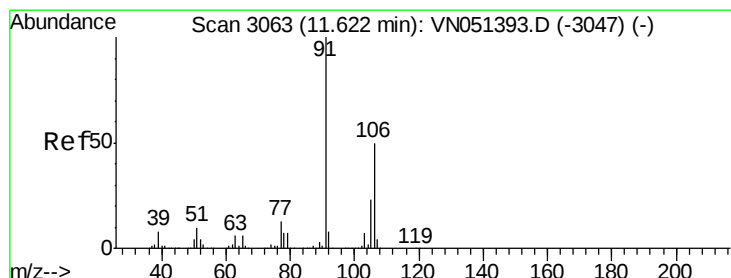
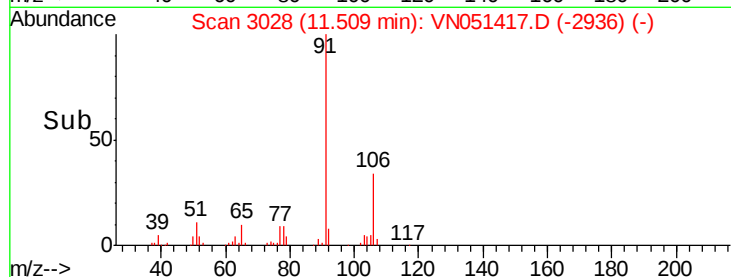
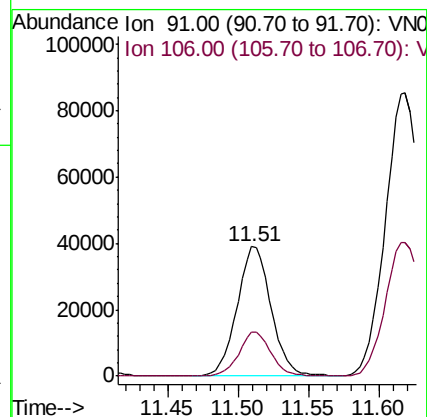
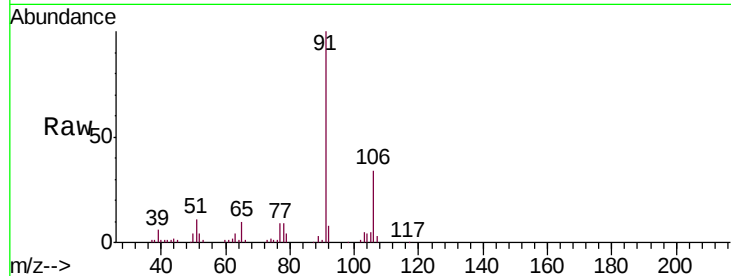
LS-SOIL-B

Tgt Ion: 91 Resp: 66120

Ion Ratio Lower Upper

91 100

106 33.9 25.0 37.4



#68

m/p-Xylenes

Concen: 5.051 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051417.D

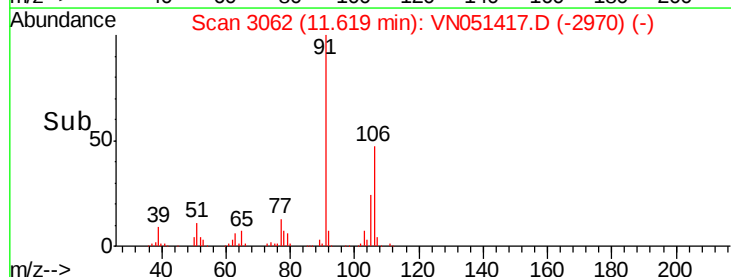
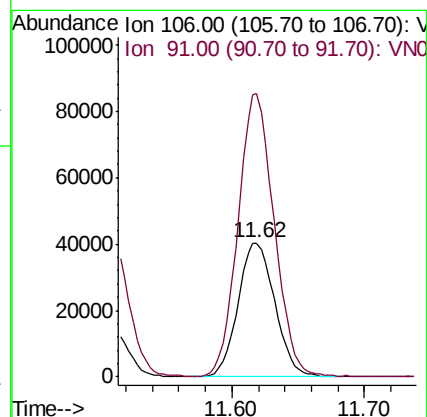
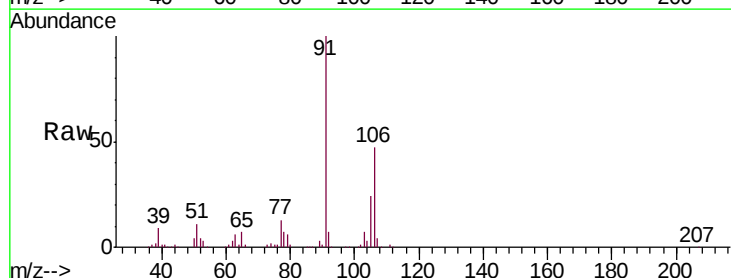
Acq: 23 Sep 2018 16:50

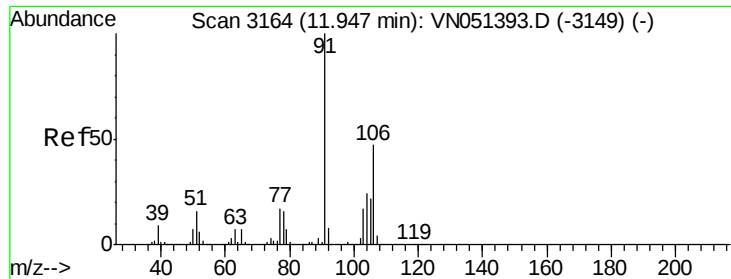
Tgt Ion: 106 Resp: 78045

Ion Ratio Lower Upper

106 100

91 206.8 161.3 241.9

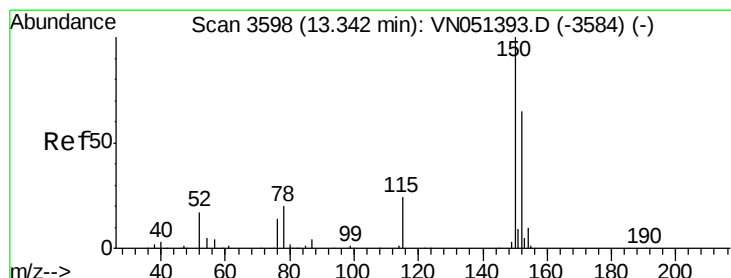
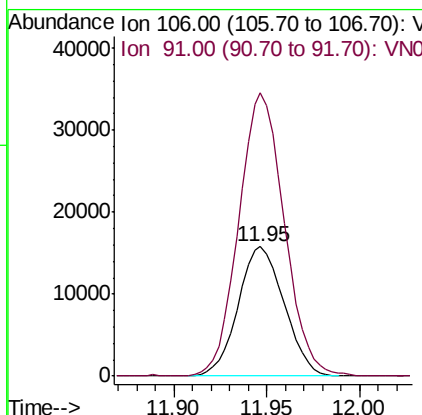
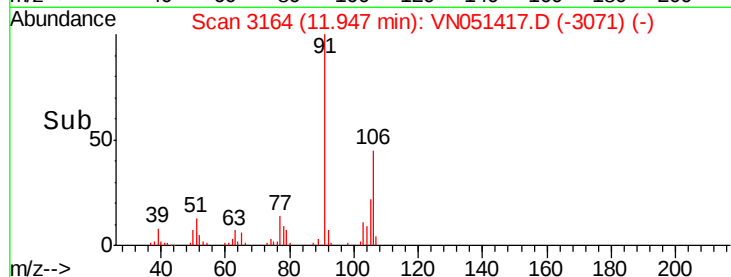
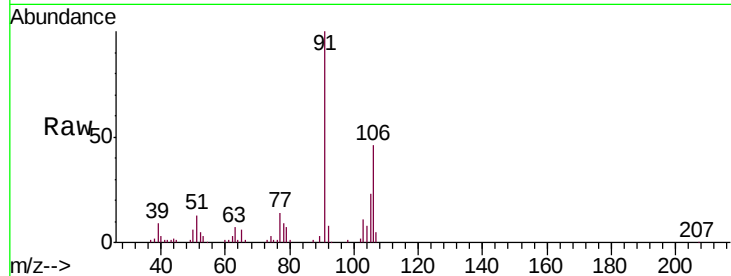




#69
o-Xylene
Concen: 1.826 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051417.D
Acq: 23 Sep 2018 16:50

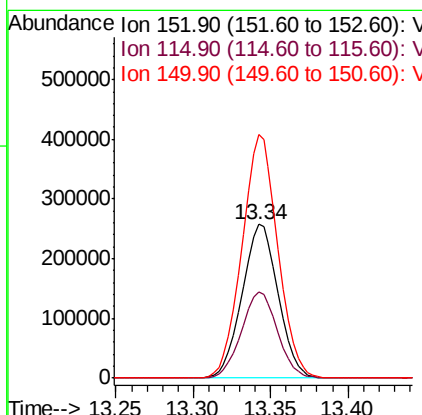
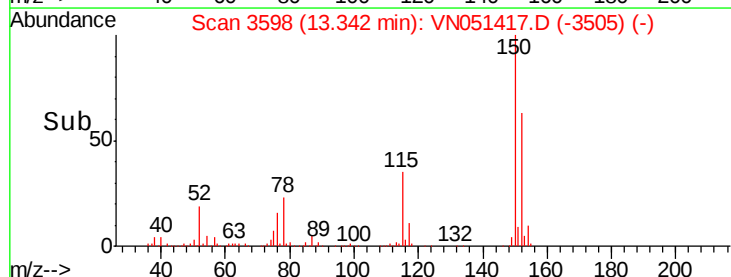
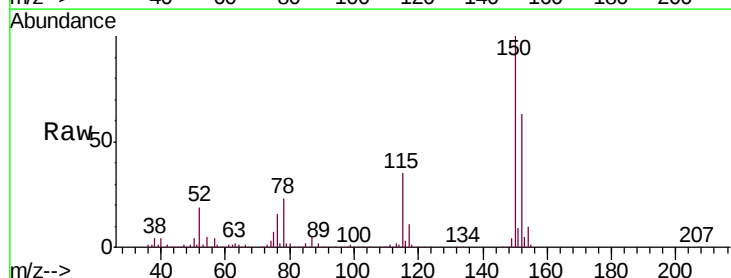
Instrument :
MSVOA_N
ClientSampleId :
LS-SOIL-B

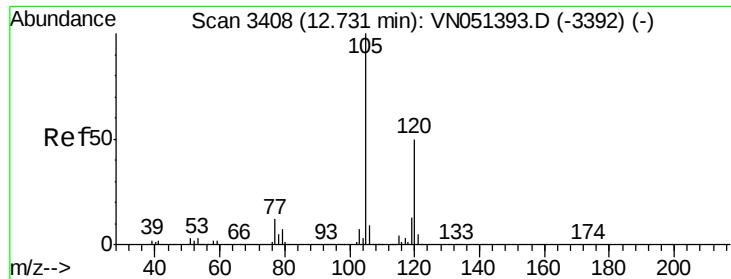
Tgt Ion:106 Resp: 27117
Ion Ratio Lower Upper
106 100
91 217.0 105.3 315.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051417.D
Acq: 23 Sep 2018 16:50

Tgt Ion:152 Resp: 417634
Ion Ratio Lower Upper
152 100
115 55.8 28.3 84.9
150 157.0 0.0 353.6

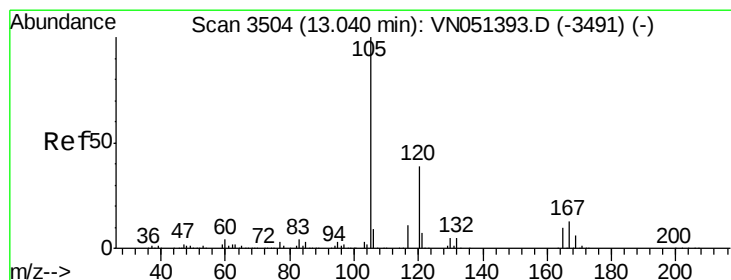
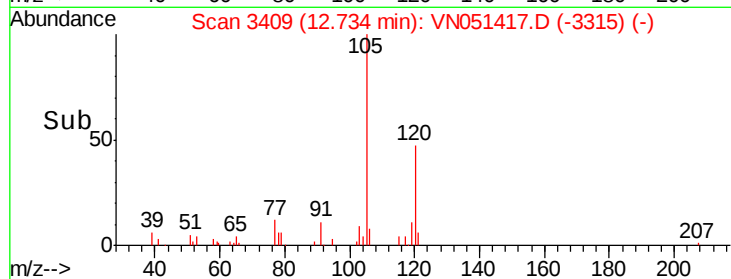
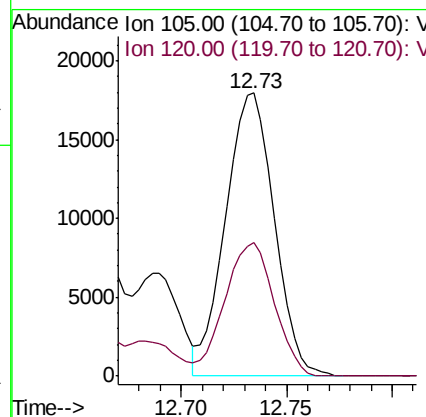
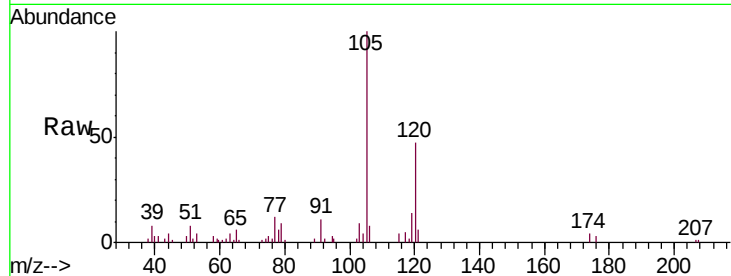




#80
 1,3,5-Trimethylbenzene
 Concen: 1.004 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051417.D
 Acq: 23 Sep 2018 16:50

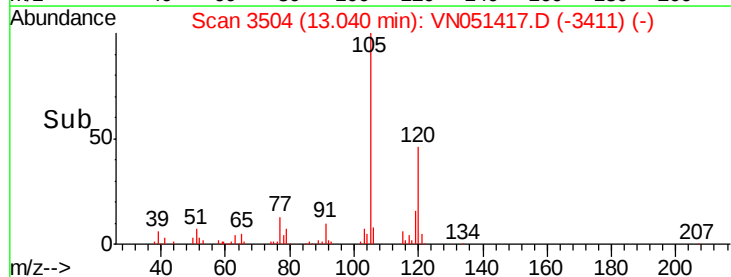
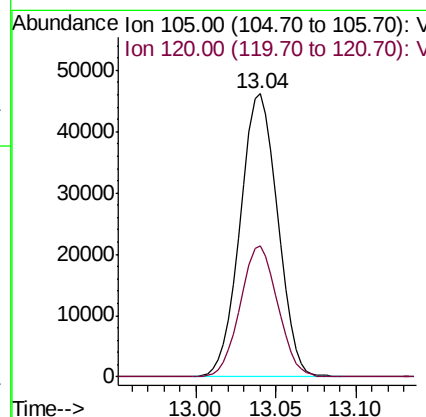
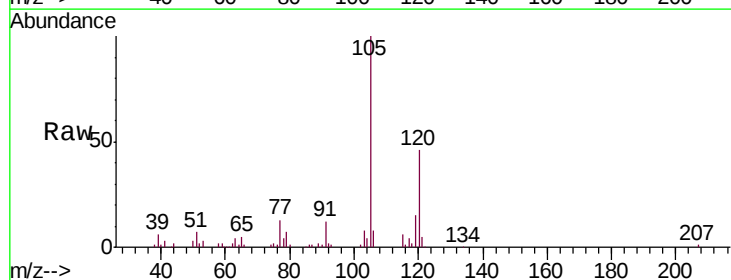
Instrument :
 MSVOA_N
 ClientSampleId :
 LS-SOIL-B

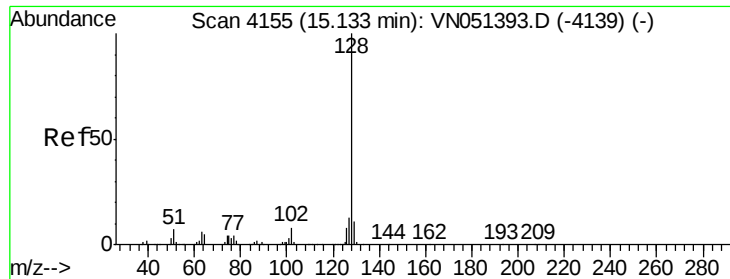
Tgt Ion:105 Resp: 28848
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.8 74.4



#84
 1,2,4-Trimethylbenzene
 Concen: 2.552 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051417.D
 Acq: 23 Sep 2018 16:50

Tgt Ion:105 Resp: 73879
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.7





#95

Naphthalene

Concen: 123.944 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051417.D

Acq: 23 Sep 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

LS-SOIL-B

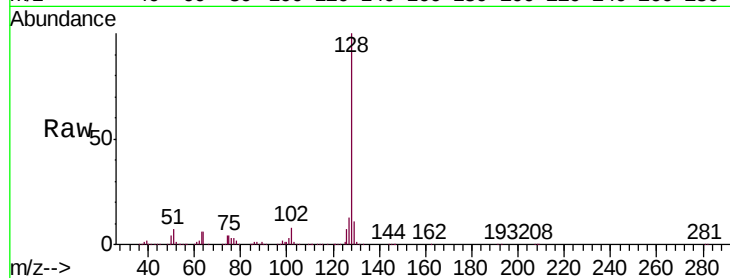
Tgt Ion:128 Resp: 2144733

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.8 8.6 12.8



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

