

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050096.D
 Acq On : 26 Jul 2018 21:01
 Operator : MD\SY
 Sample : J4152-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LA-SOIL-1

Quant Time: Jul 27 03:58:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	695231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1131242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	969118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	399633	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	484207	49.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.84%	
35) Dibromofluoromethane	7.60	113	426779	46.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.42%	
50) Toluene-d8	10.09	98	1540863	45.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.76%	
62) 4-Bromofluorobenzene	12.41	95	459447	41.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.18%	

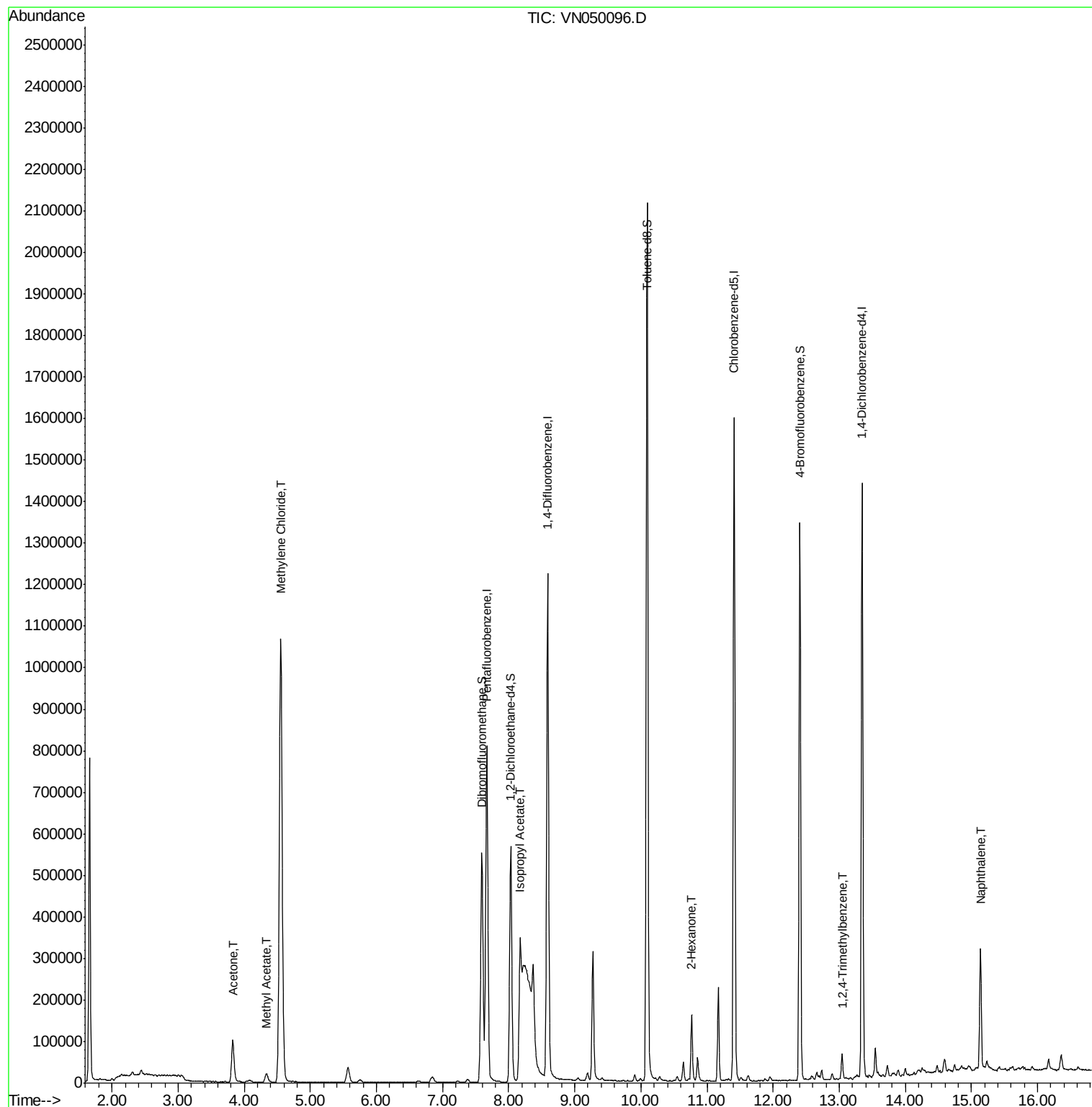
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	169329	71.00	ug/l	98
18) Methyl Acetate	4.34	43	40503	3.03	ug/l	97
20) Methylene Chloride	4.55	84	837744	98.63	ug/l	100
43) Isopropyl Acetate	8.17	43	431460	25.20	ug/l #	88
59) 2-Hexanone	10.77	43	24967	8.98	ug/l #	54
84) 1,2,4-Trimethylbenzene	13.04	105	35086	1.43	ug/l	97
95) Naphthalene	15.14	128	255744	17.19	ug/l	99

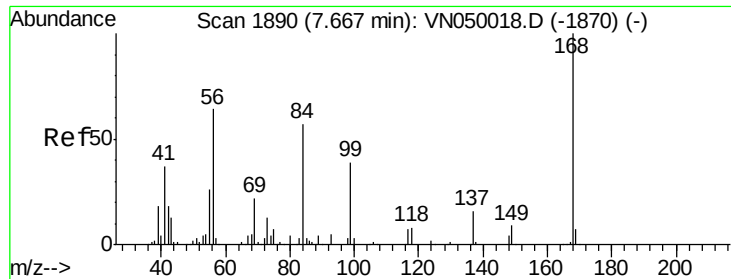
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 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: VN050096.D

Acq: 26 Jul 2018 21:01

Instrument :

MSVOA_N

ClientSampled :

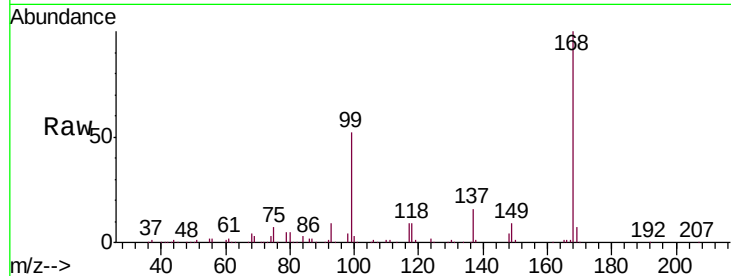
LA-SOIL-1

Tot Ion:168 Resp: 695231

Ion Ratio Lower Upper

168 100

99 51.8 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

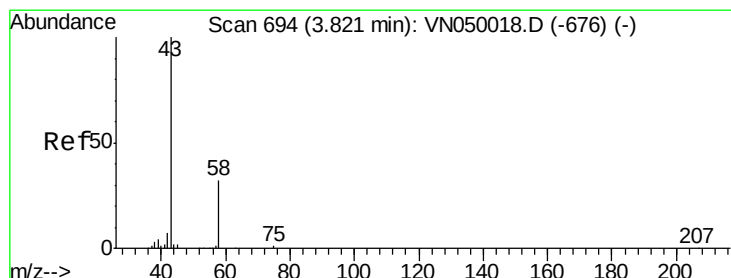
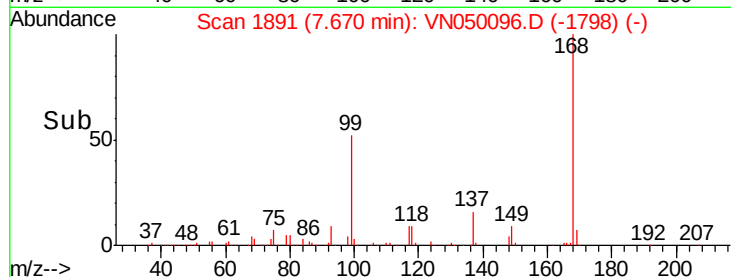
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 71.00 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050096.D

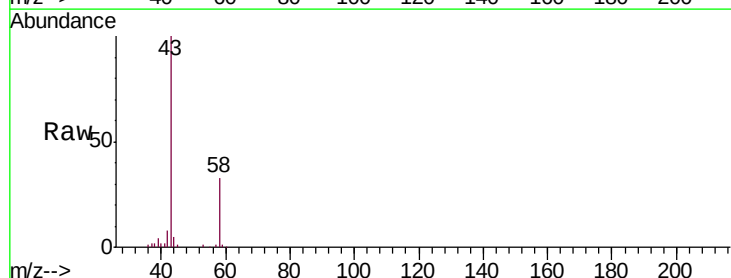
Acq: 26 Jul 2018 21:01

Tgt Ion: 43 Resp: 169329

Ion Ratio Lower Upper

43 100

58 33.2 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

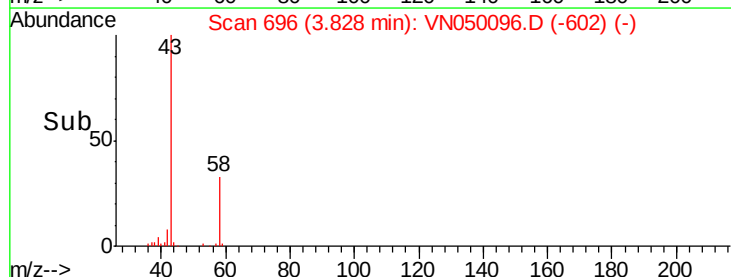
60000

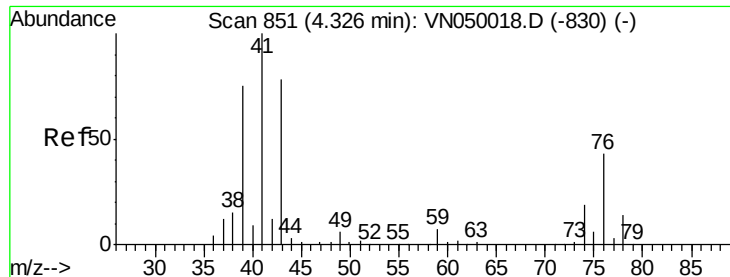
40000

20000

0

Time-->

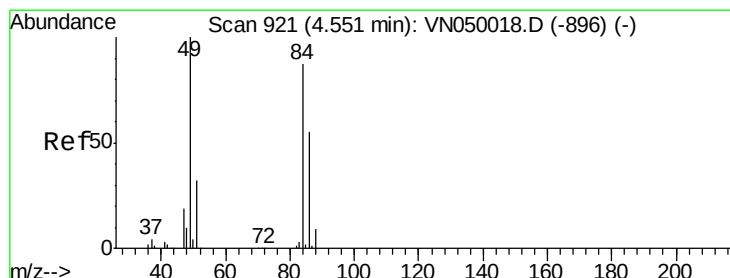
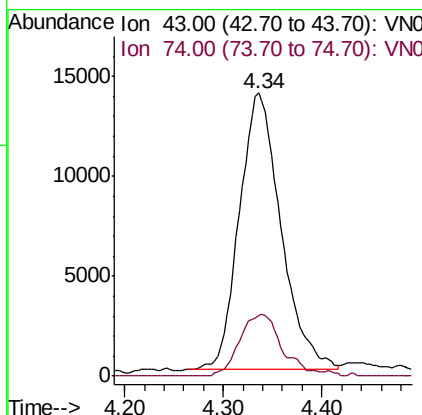
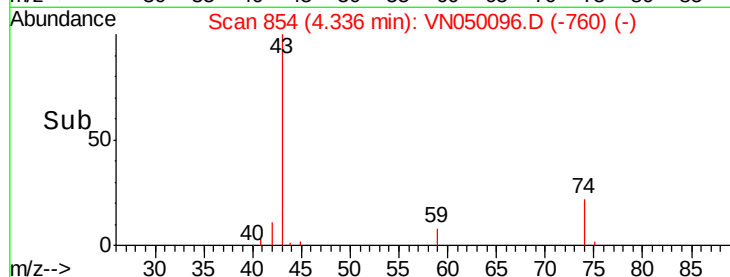
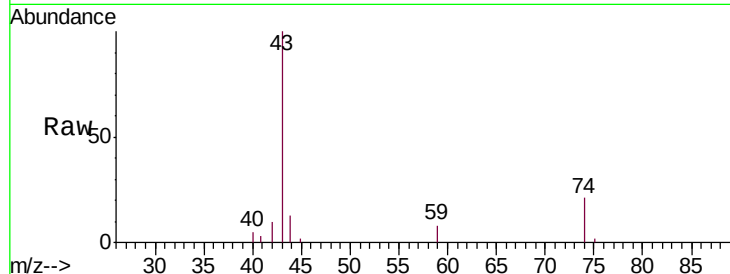




#18
Methyl Acetate
Concen: 3.03 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN050096.D
Acq: 26 Jul 2018 21:01

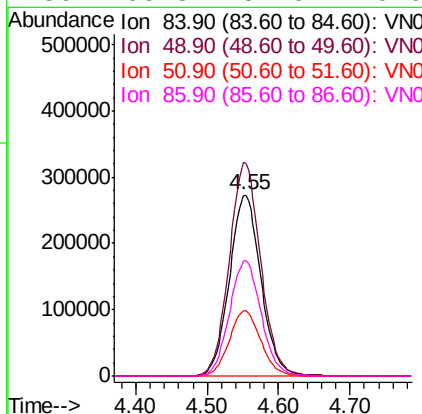
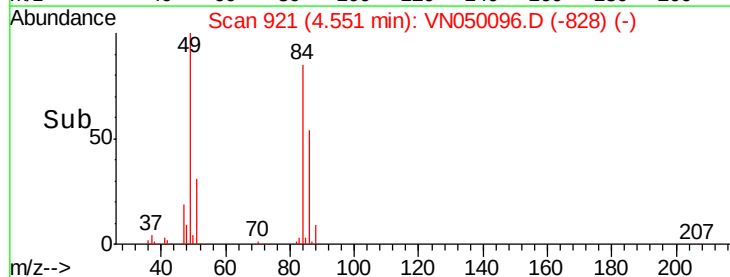
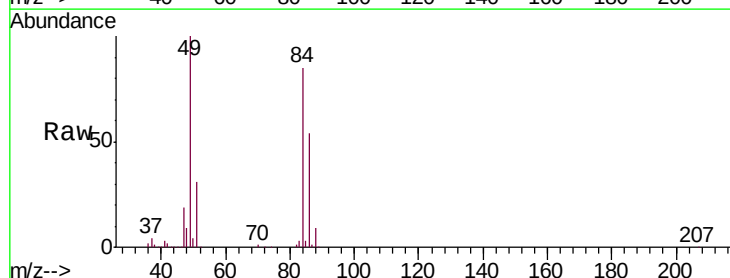
Instrument :
MSVOA_N
ClientSampled :
LA-SOIL-1

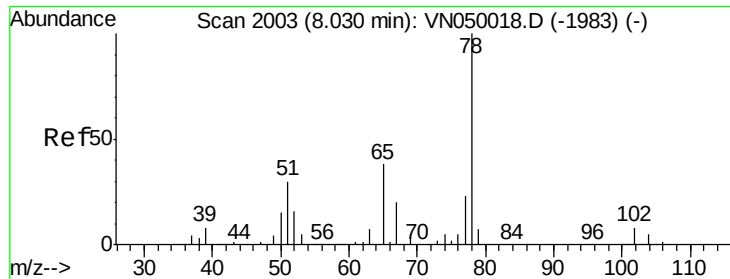
Tot Ion: 43 Resp: 40503
Ion Ratio Lower Upper
43 100
74 22.6 19.2 28.8



#20
Methylene Chloride
Concen: 98.63 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050096.D
Acq: 26 Jul 2018 21:01

Tgt Ion: 84 Resp: 837744
Ion Ratio Lower Upper
84 100
49 118.2 94.8 142.2
51 36.1 28.3 42.5
86 63.8 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 49.92 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050096.D

Acq: 26 Jul 2018 21:01

Instrument :

MSVOA_N

ClientSampled :

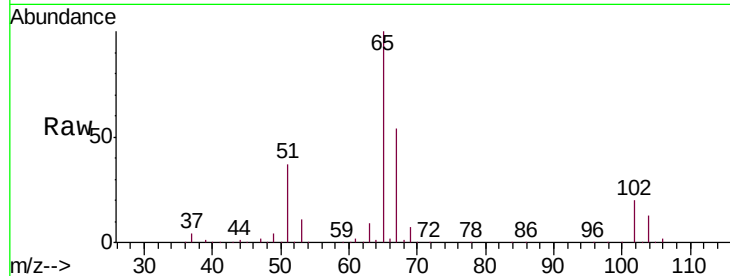
LA-SOIL-1

Tot Ion: 65 Resp: 484207

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

200000

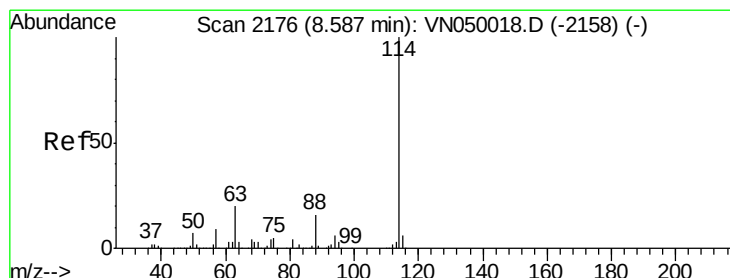
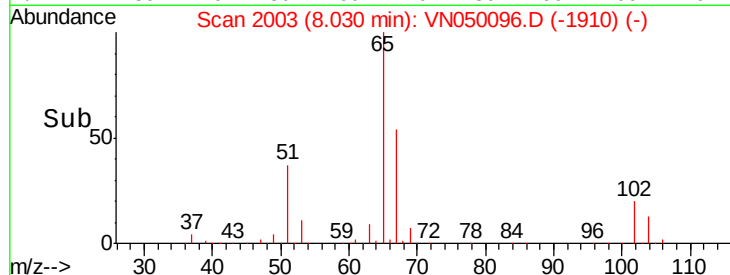
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050096.D

Acq: 26 Jul 2018 21:01

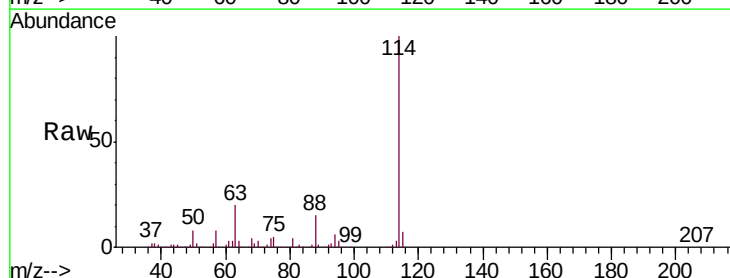
Tgt Ion: 114 Resp: 1131242

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

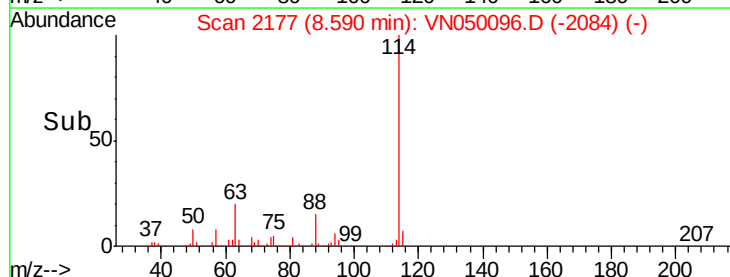
600000

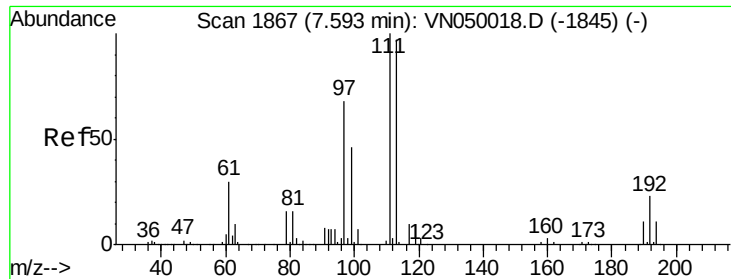
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 46.21 ug/l

RT: 7.60 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN050096.D

Acq: 26 Jul 2018 21:01

Instrument :

MSVOA_N

ClientSampled :

LA-SOIL-1

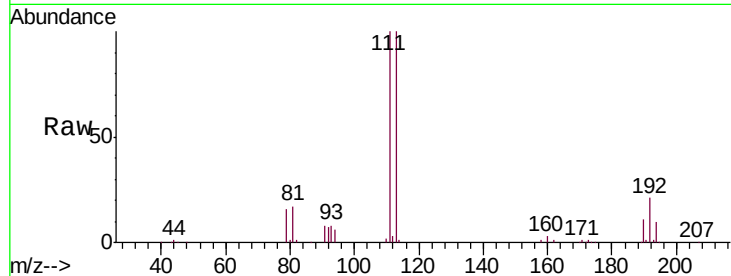
Tot Ion:113 Resp: 426779

Ion Ratio Lower Upper

113 100

111 101.8 80.7 121.1

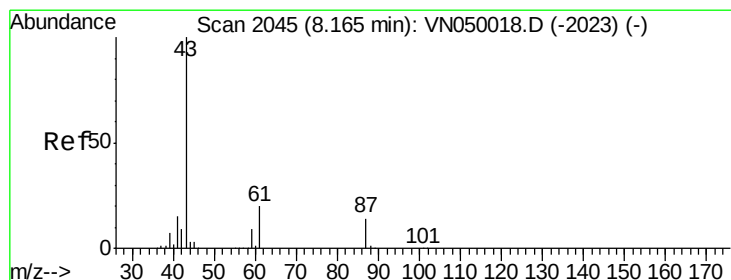
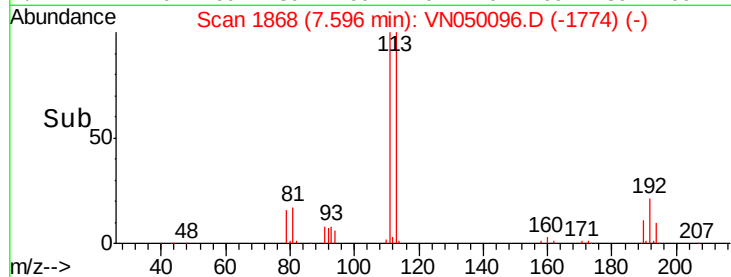
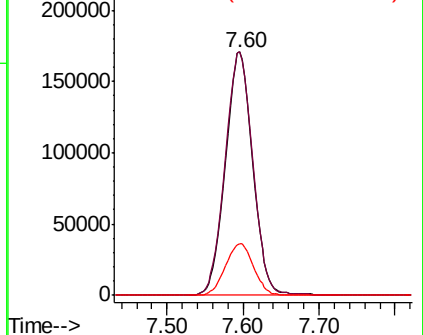
192 22.0 17.8 26.6



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: 25.20 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050096.D

Acq: 26 Jul 2018 21:01

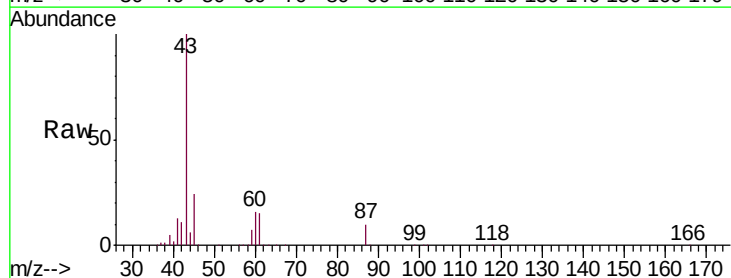
Tgt Ion: 43 Resp: 431460

Ion Ratio Lower Upper

43 100

61 13.6 15.8 23.6#

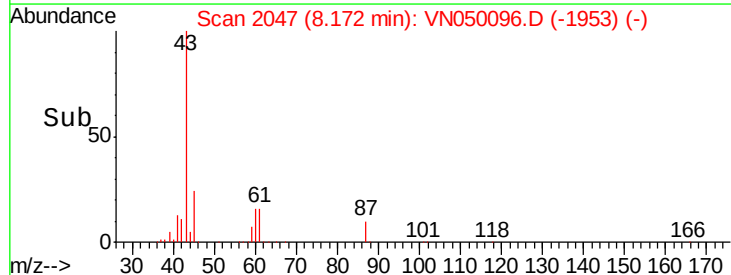
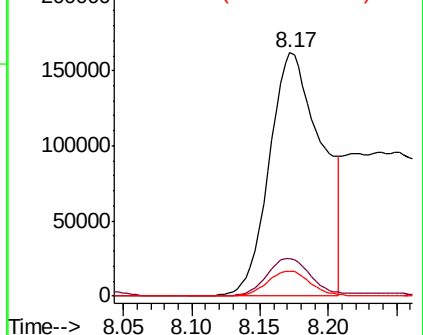
87 8.5 10.3 15.5#

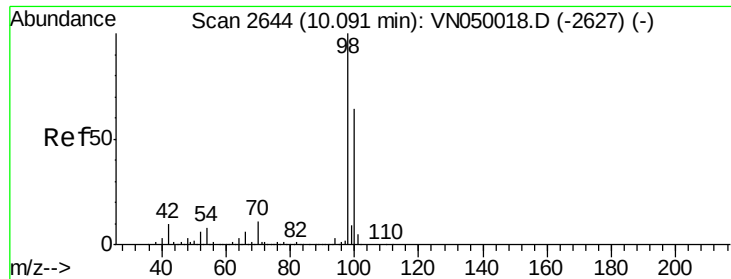


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

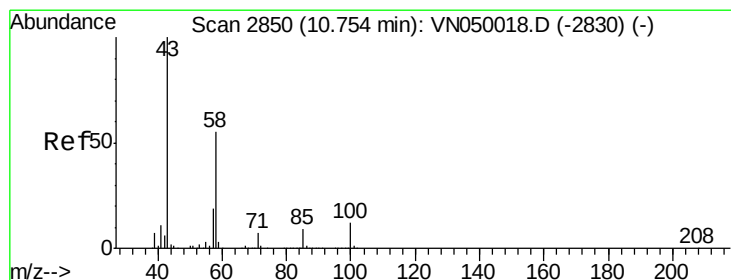
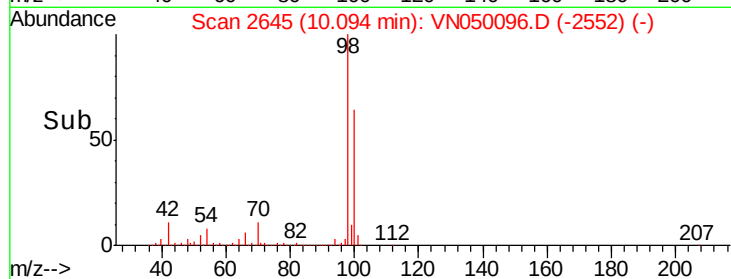
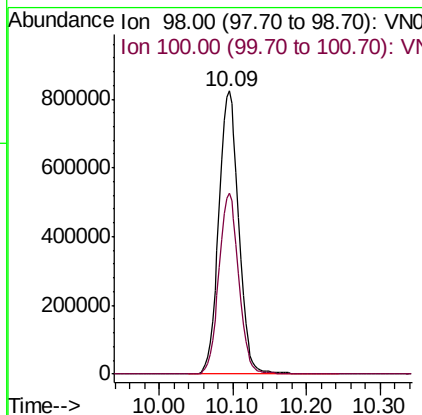
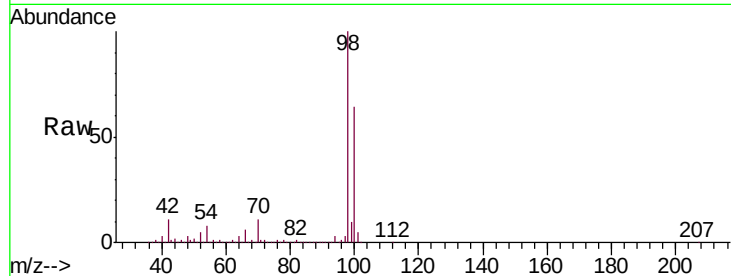




#50
Toluene-d8
Concen: 45.38 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050096.D
Acq: 26 Jul 2018 21:01

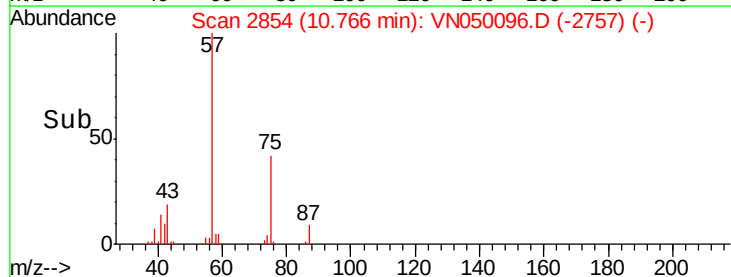
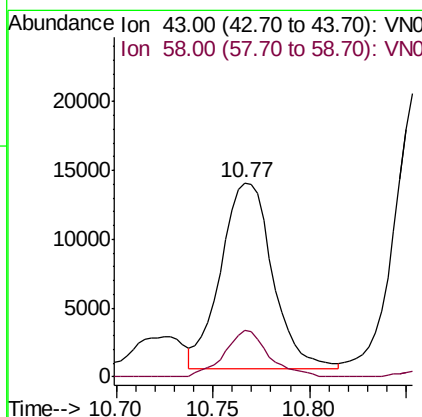
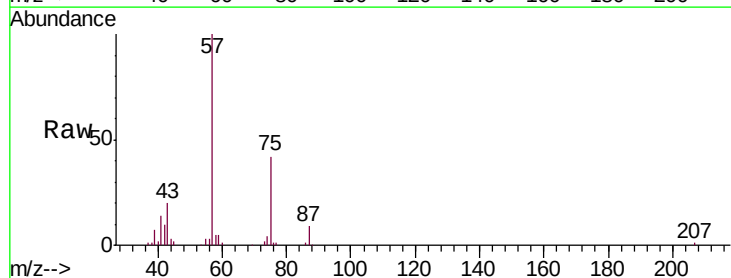
Instrument :
MSVOA_N
ClientSampled :
LA-SOIL-1

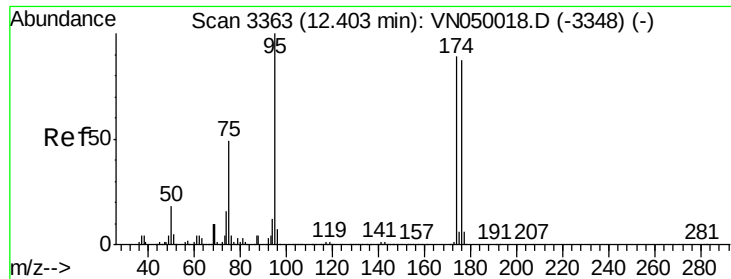
Tot Ion: 98 Resp: 1540863
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1



#59
2-Hexanone
Concen: 8.98 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050096.D
Acq: 26 Jul 2018 21:01

Tgt Ion: 43 Resp: 24967
Ion Ratio Lower Upper
43 100
58 21.5 27.6 82.7#

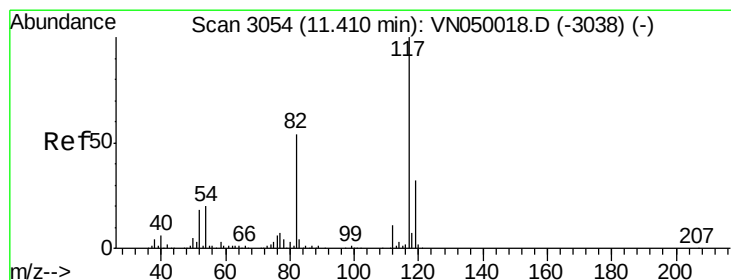
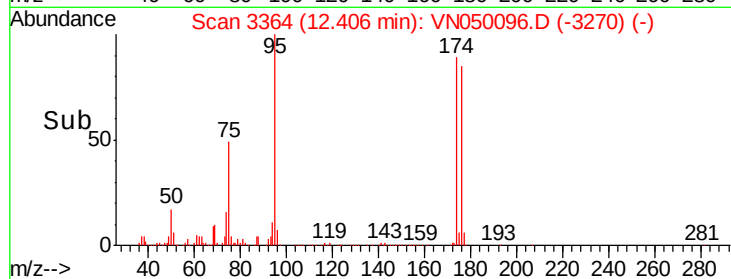
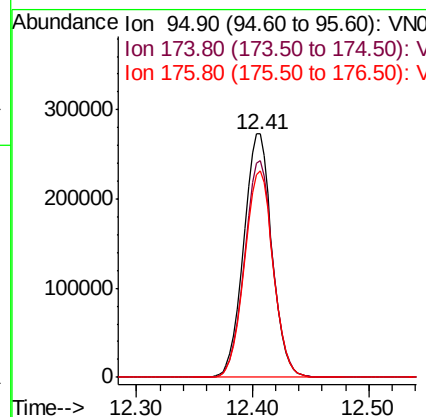
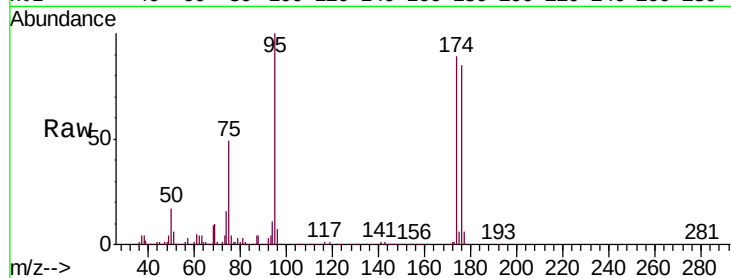




#62
4-Bromofluorobenzene
Concen: 41.09 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN050096.D
Acq: 26 Jul 2018 21:01

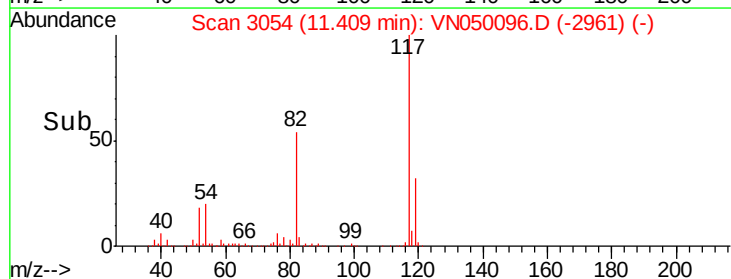
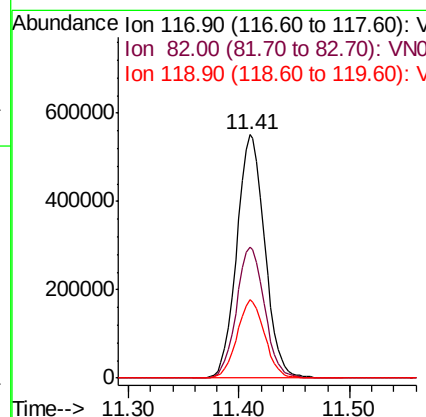
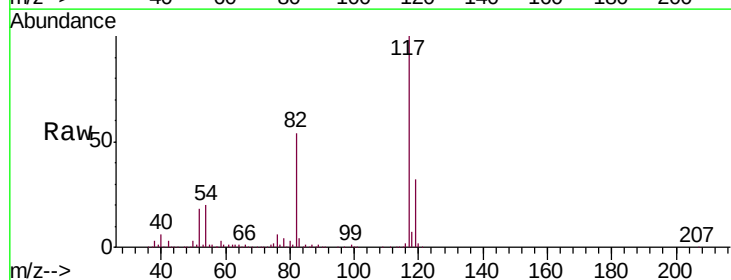
Instrument :
MSVOA_N
ClientSampled :
LA-SOIL-1

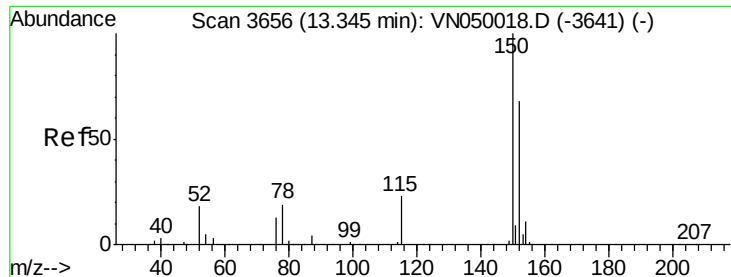
Tot Ion: 95 Resp: 459447
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.2
176 86.4 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050096.D
Acq: 26 Jul 2018 21:01

Tgt Ion: 117 Resp: 969118
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.0 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: VN050096.D

Acq: 26 Jul 2018 21:01

Instrument :

MSVOA_N

ClientSampled :

LA-SOIL-1

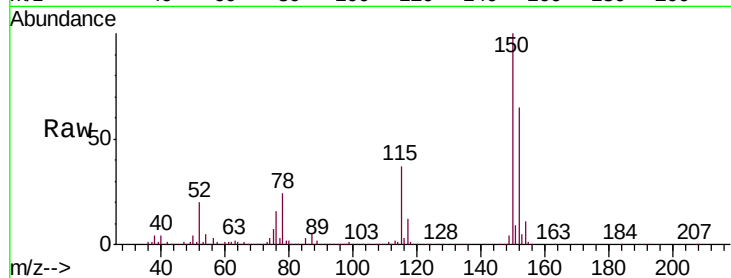
Tot Ion:152 Resp: 399633

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.3

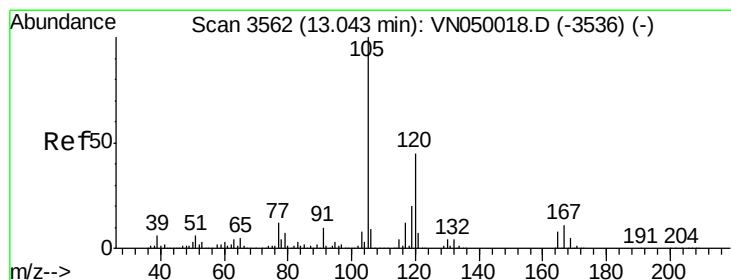
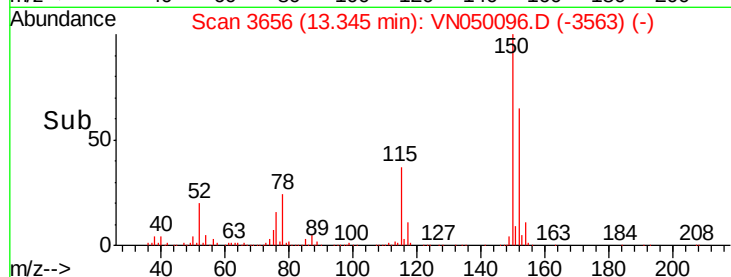
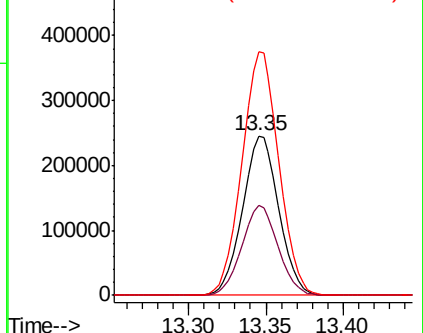
150 155.4 0.0 348.6



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



#84

1,2,4-Trimethylbenzene

Concen: 1.43 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050096.D

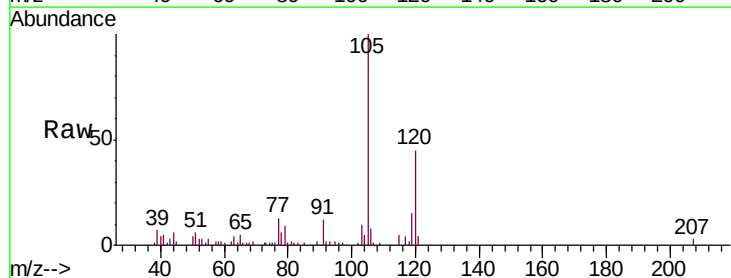
Acq: 26 Jul 2018 21:01

Tgt Ion:105 Resp: 35086

Ion Ratio Lower Upper

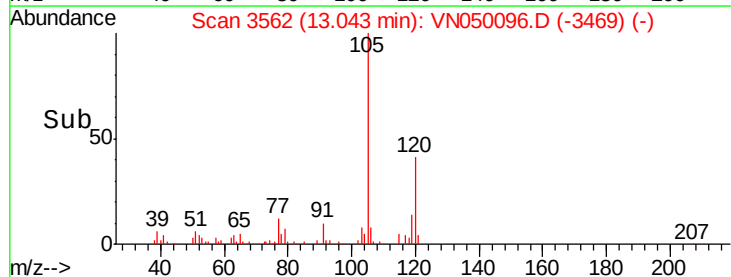
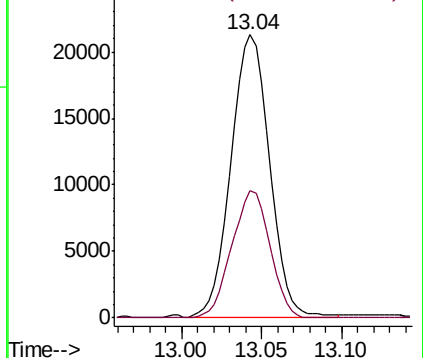
105 100

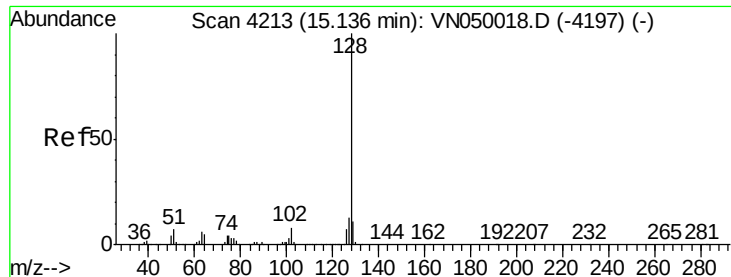
120 44.1 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

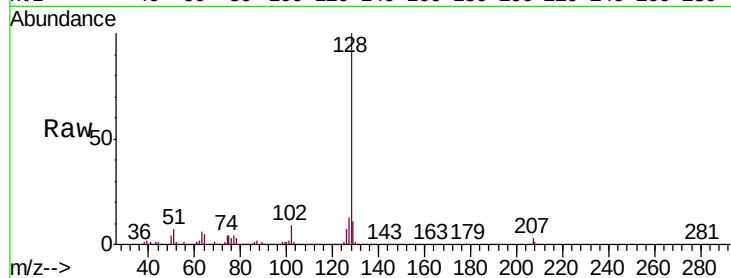




#95
Naphthalene
Concen: 17.19 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050096.D
Acq: 26 Jul 2018 21:01

Instrument :
MSVOA_N
ClientSampleId :
LA-SOIL-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.7	8.8	13.2



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

