

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049834.D
 Acq On : 14 Jul 2018 8:06
 Operator : MD\SY
 Sample : J3542-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LS-SOIL-3

Quant Time: Jul 16 06:47:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1255260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2039760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1745930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	692756	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	864413	59.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.40%	
35) Dibromofluoromethane	7.59	113	771912	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
50) Toluene-d8	10.09	98	2742627	52.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	800186	42.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.14%	

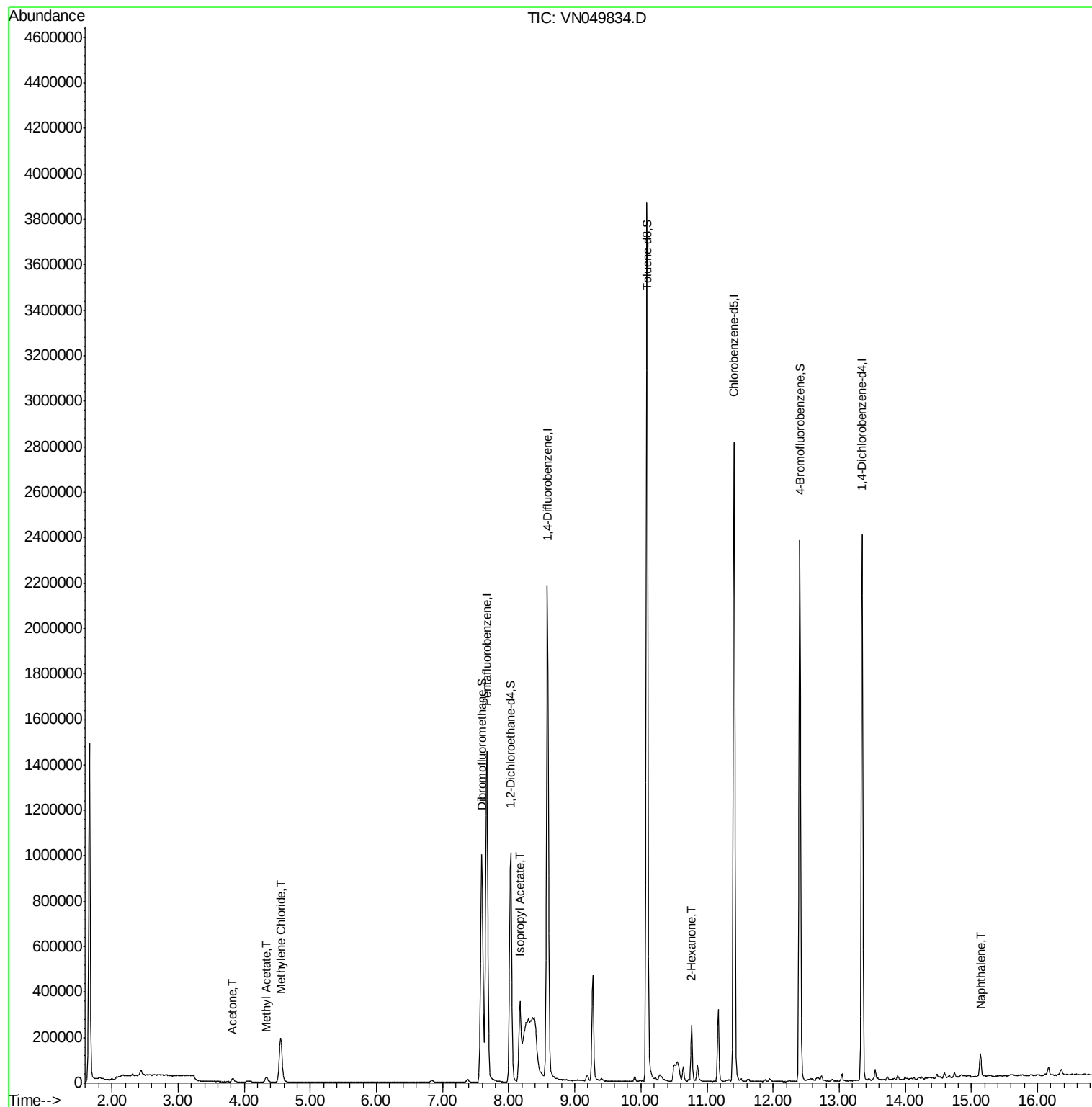
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	26947	5.47	ug/l	90
18) Methyl Acetate	4.33	43	42566	2.79	ug/l	100
20) Methylene Chloride	4.55	84	148343	9.15	ug/l	97
43) Isopropyl Acetate	8.17	43	431197	17.24	ug/l	96
59) 2-Hexanone	10.77	43	34405	3.81	ug/l #	58
95) Naphthalene	15.14	128	88895	6.69	ug/l	99

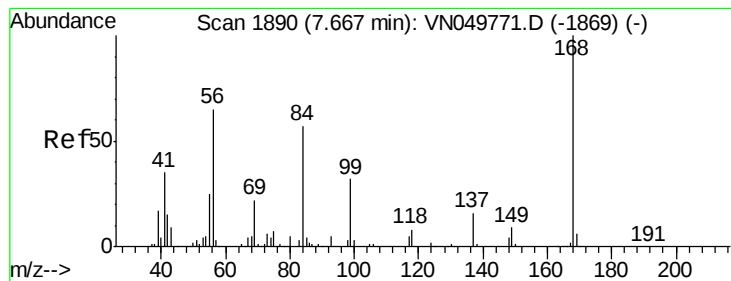
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:51:38 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: VN049834.D

Acq: 14 Jul 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

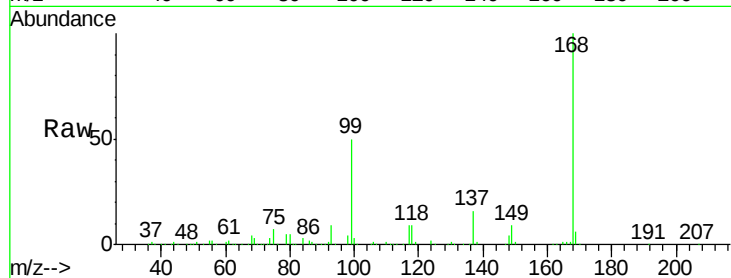
LS-SOIL-3

Tot Ion:168 Resp: 1255260

Ion Ratio Lower Upper

168 100

99 50.2 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

600000

500000

400000

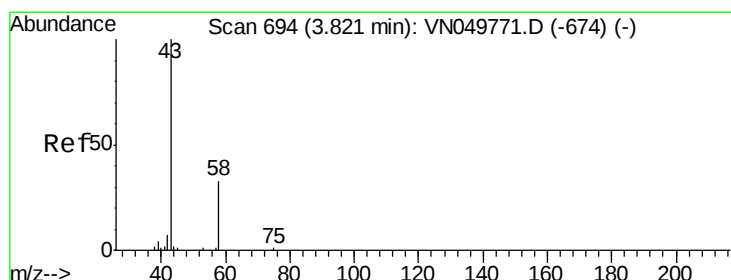
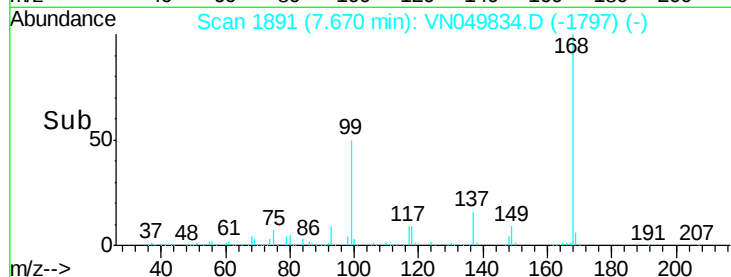
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 5.47 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049834.D

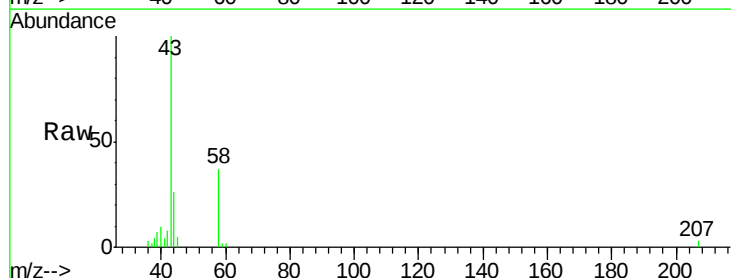
Acq: 14 Jul 2018 8:06

Tgt Ion: 43 Resp: 26947

Ion Ratio Lower Upper

43 100

58 37.8 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

10000

8000

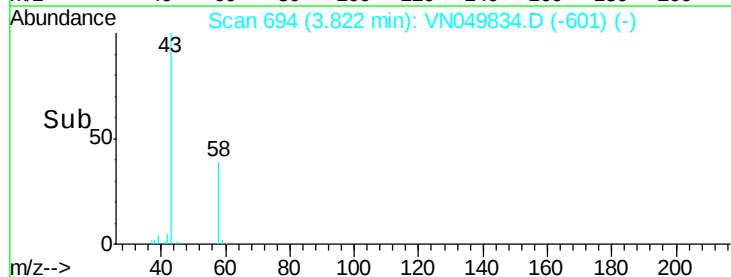
6000

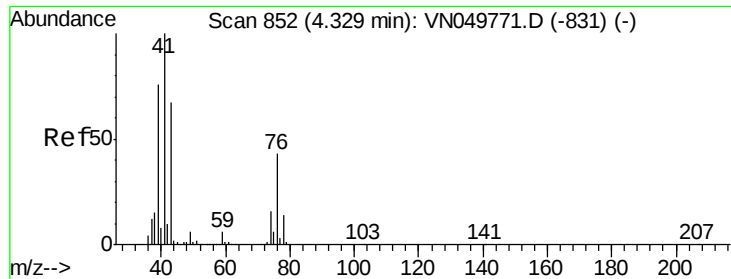
4000

2000

0

Time--> 3.75 3.80 3.85 3.90

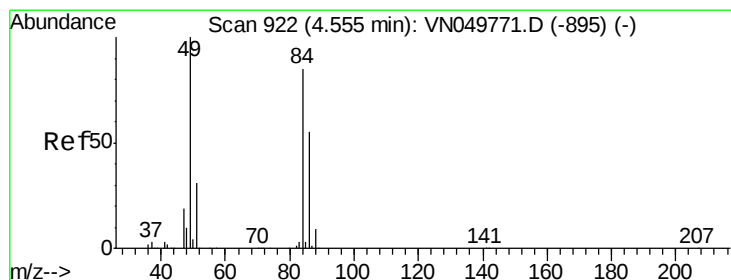
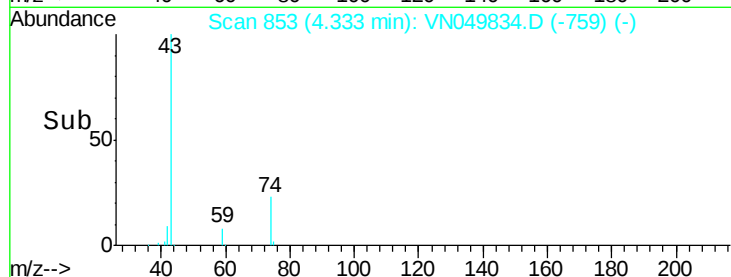
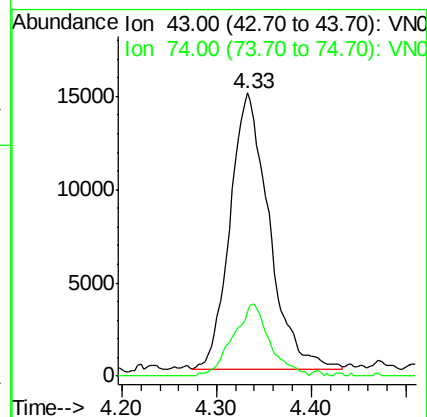
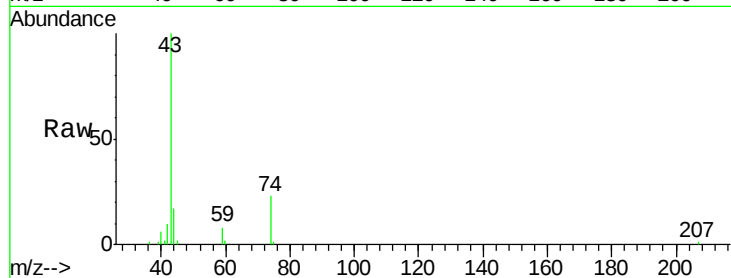




#18
Methvl Acetate
Concen: 2.79 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

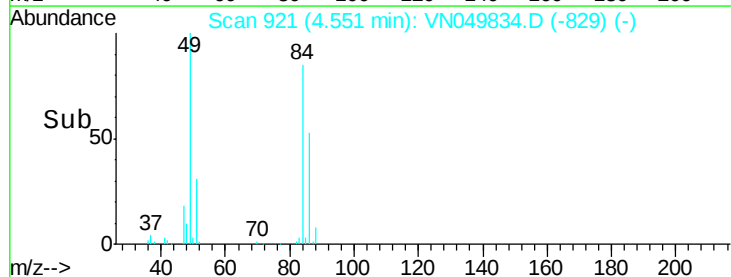
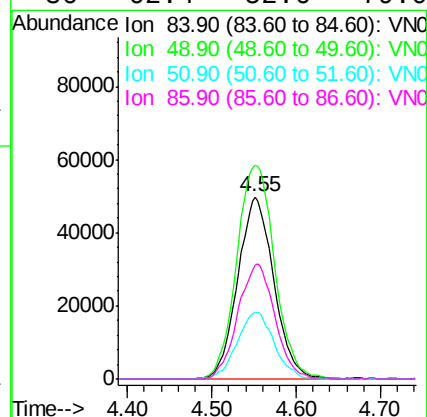
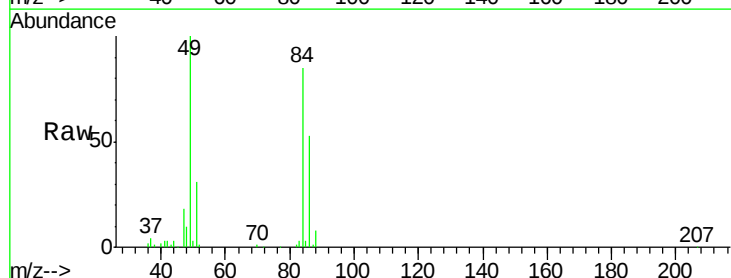
Instrument :
MSVOA_N
ClientSampleId :
LS-SOIL-3

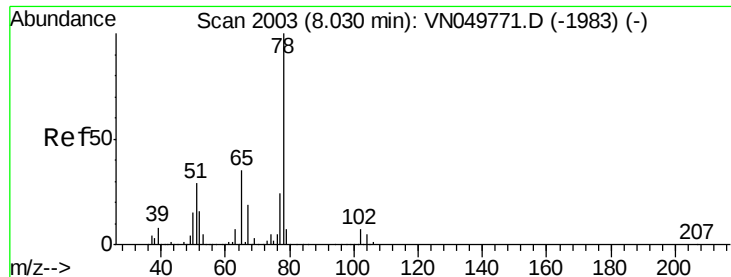
Tot Ion: 43 Resp: 42566
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.8



#20
Methylene Chloride
Concen: 9.15 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

Tgt Ion: 84 Resp: 148343
Ion Ratio Lower Upper
84 100
49 117.1 95.4 143.2
51 36.4 28.4 42.6
86 62.4 52.6 79.0





#33

1,2-Dichloroethane-d4

Concen: 59.20 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

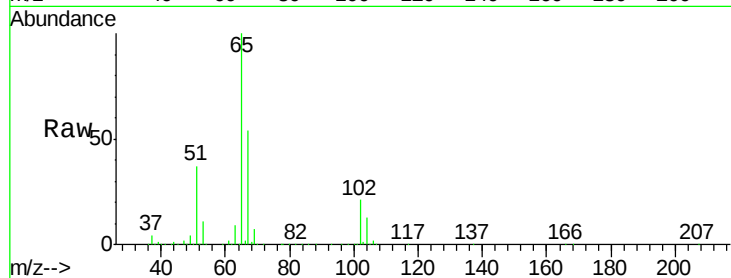
LS-SOIL-3

Tot Ion: 65 Resp: 864413

Ion Ratio Lower Upper

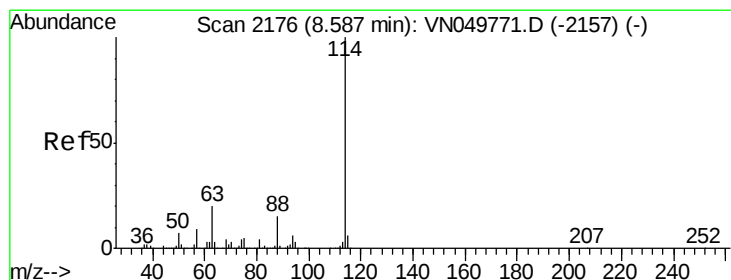
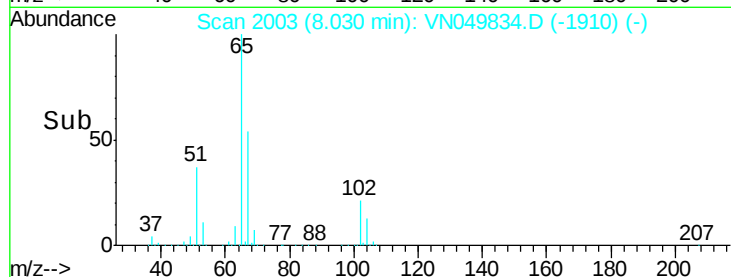
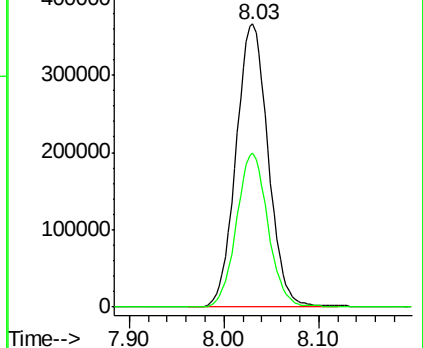
65 100

67 53.4 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049834.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN049834.D (-1910) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

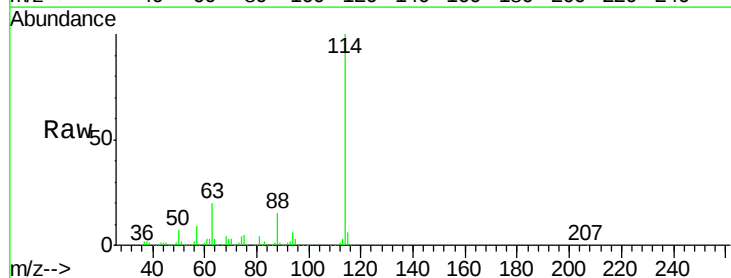
Tgt Ion: 114 Resp: 2039760

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

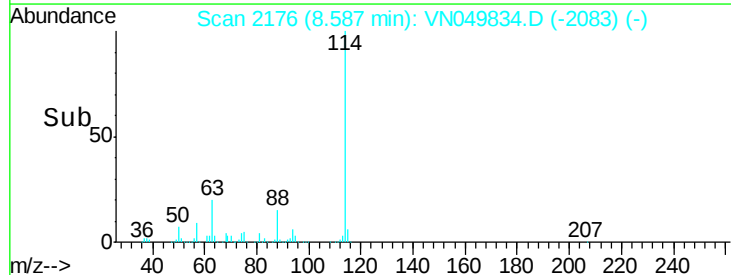
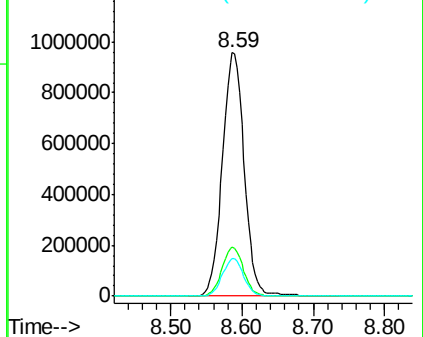
88 15.4 0.0 30.6

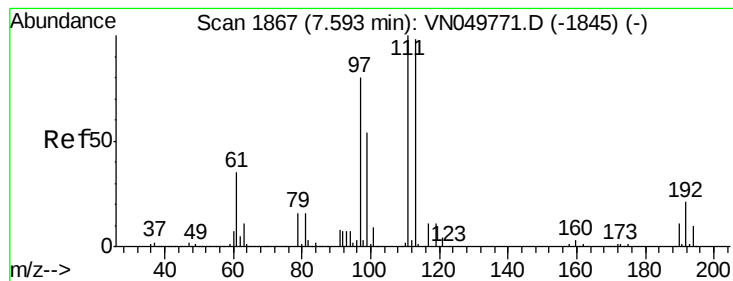


Abundance Ion 113.90 (113.60 to 114.60): VN049834.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049834.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049834.D (-2083) (-)





#35

Dibromofluoromethane

Concen: 50.20 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

LS-SOIL-3

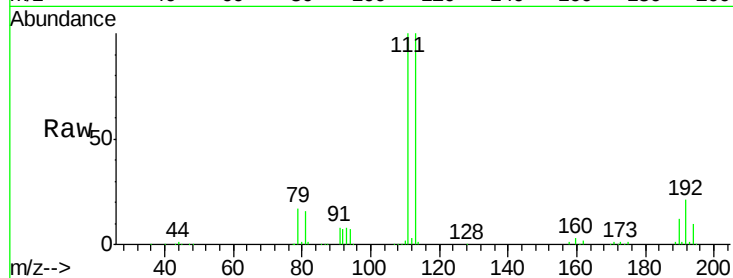
Tot Ion:113 Resp: 771912

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

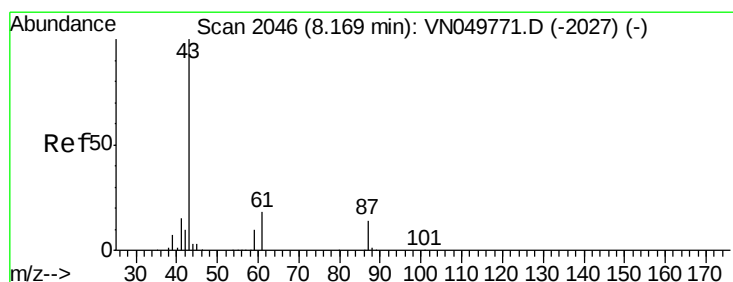
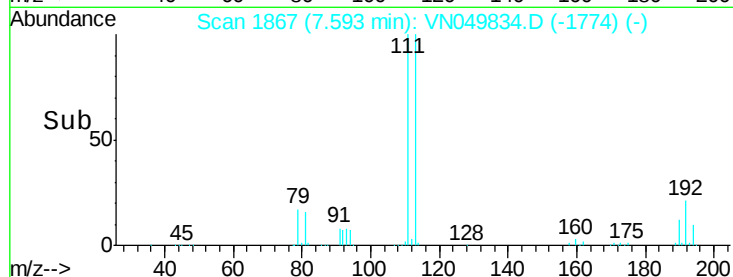
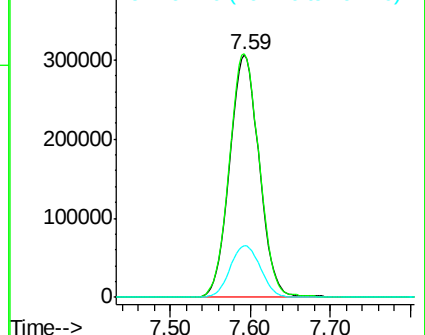
192 21.9 17.8 26.6



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: 17.24 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

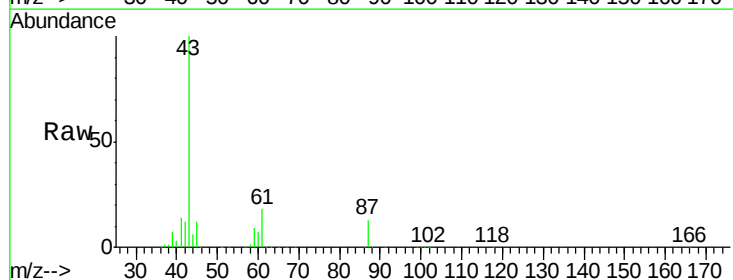
Tgt Ion: 43 Resp: 431197

Ion Ratio Lower Upper

43 100

61 16.6 14.9 22.3

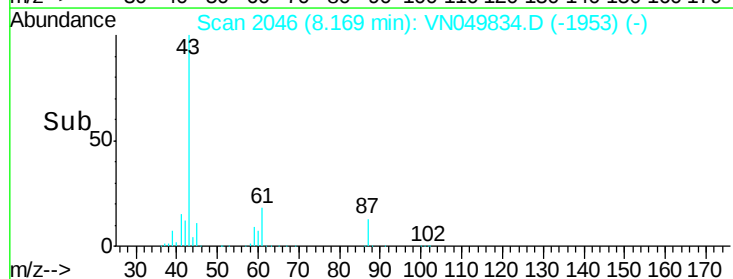
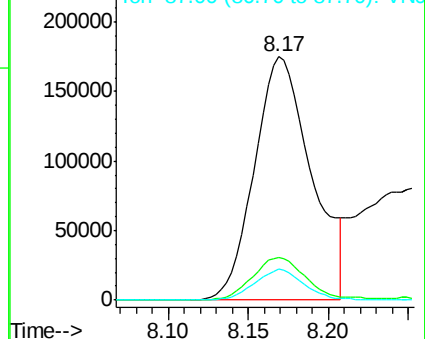
87 10.9 10.0 15.0

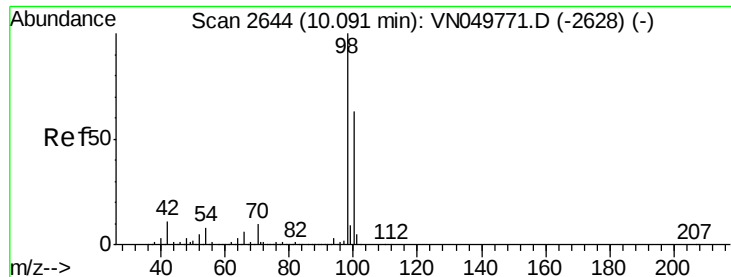


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 52.11 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

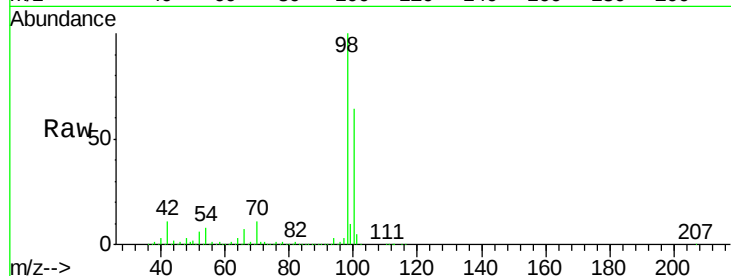
LS-SOIL-3

Tot Ion: 98 Resp: 2742627

Ion Ratio Lower Upper

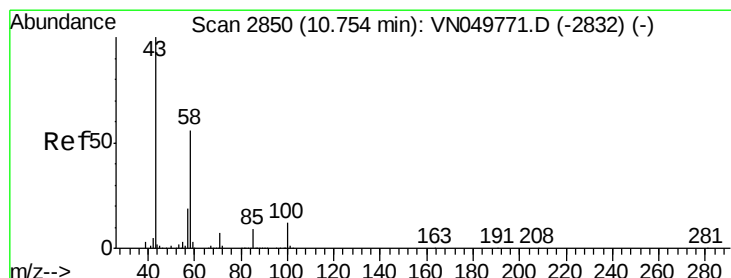
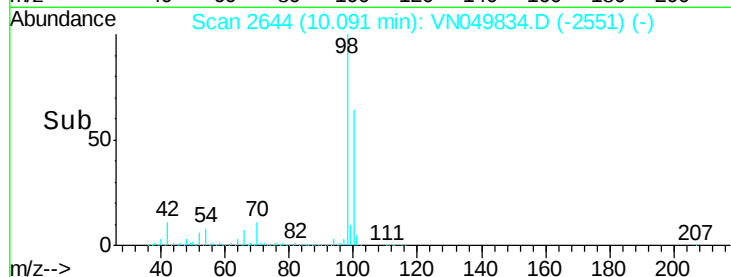
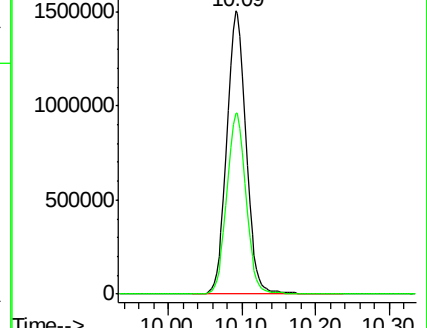
98 100

100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049771.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN049771.D (-2628) (-)



#59

2-Hexanone

Concen: 3.81 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049834.D

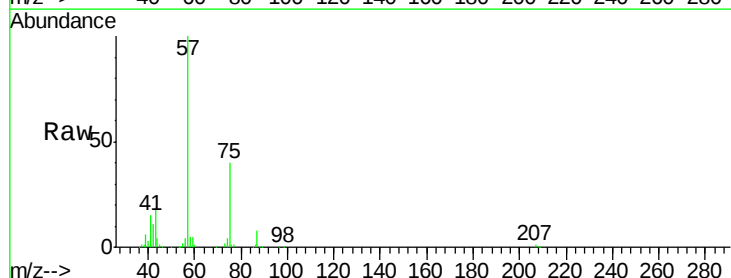
Acq: 14 Jul 2018 8:06

Tgt Ion: 43 Resp: 34405

Ion Ratio Lower Upper

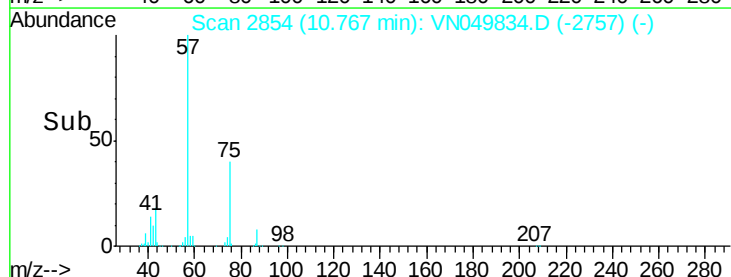
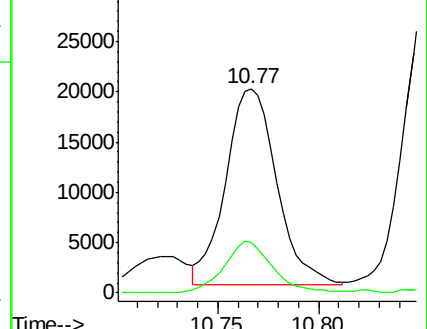
43 100

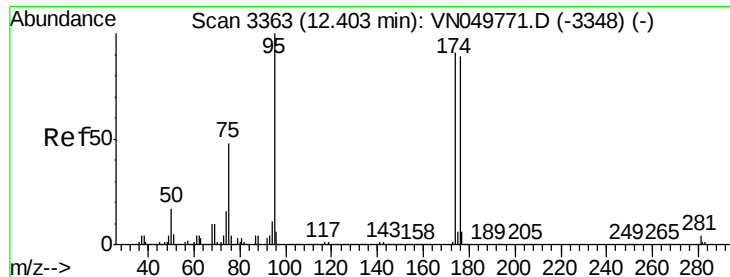
58 25.2 27.8 83.4#



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-2832) (-)

Ion 58.00 (57.70 to 58.70): VN049771.D (-2832) (-)





#62

4-Bromofluorobenzene

Concen: 42.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

LS-SOIL-3

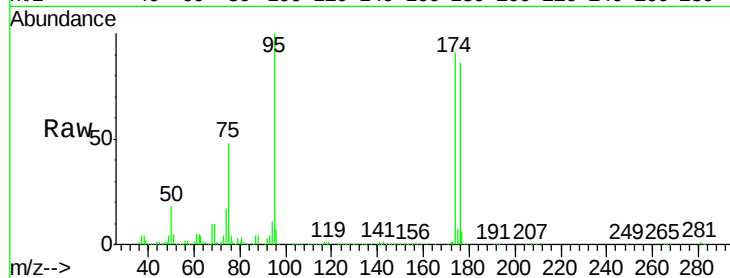
Tot Ion: 95 Resp: 800186

Ion Ratio Lower Upper

95 100

174 91.1 0.0 179.6

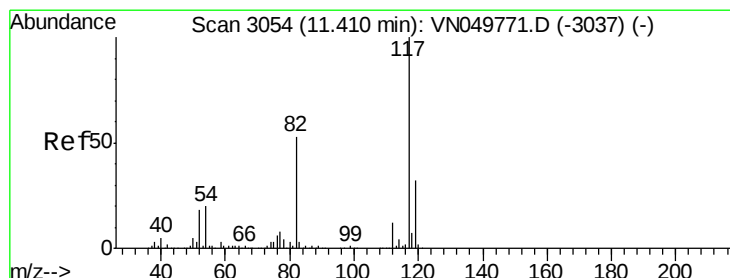
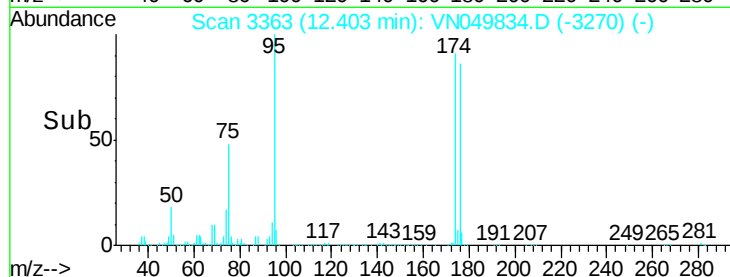
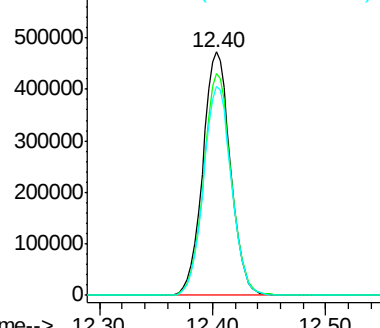
176 86.8 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

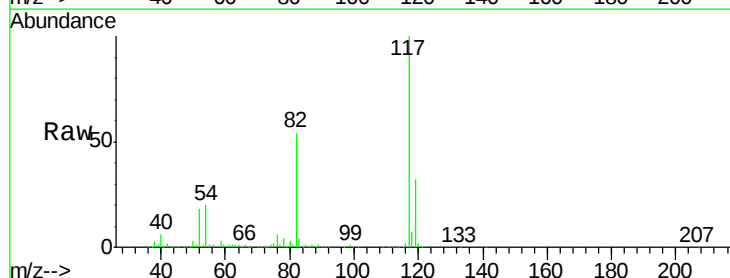
Tgt Ion: 117 Resp: 1745930

Ion Ratio Lower Upper

117 100

82 54.0 41.9 62.9

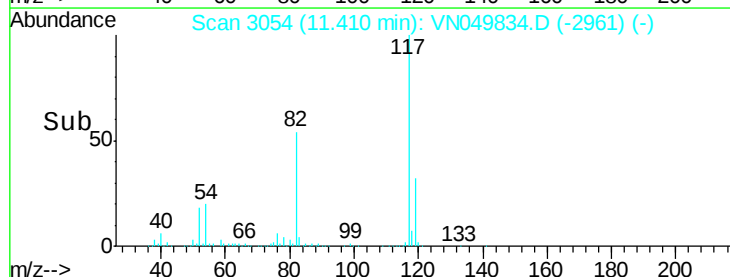
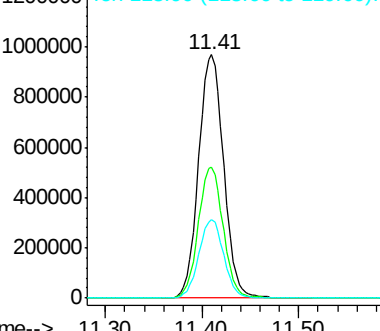
119 32.3 25.4 38.2

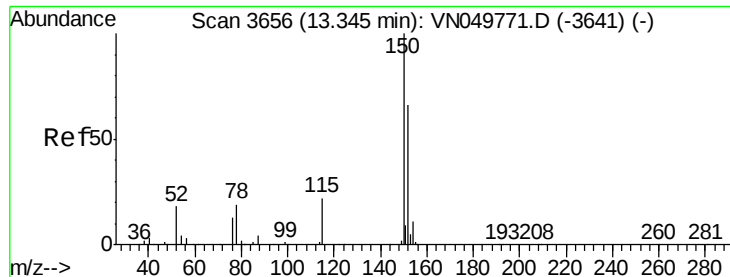


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

Instrument :

MSVOA_N

ClientSampled :

LS-SOIL-3

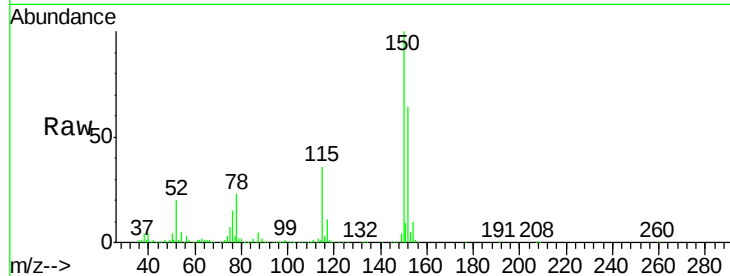
Tot Ion:152 Resp: 692756

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

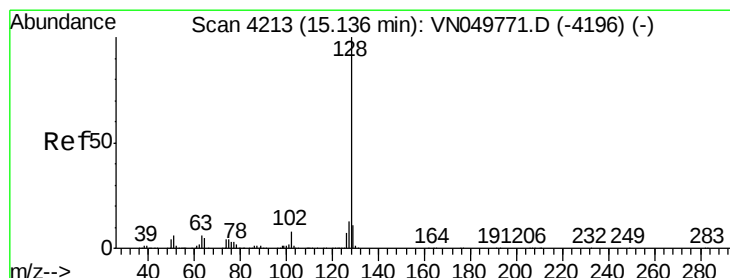
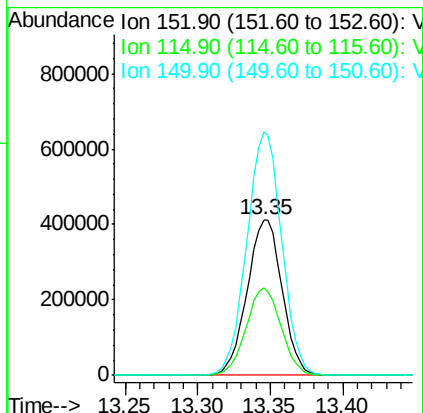
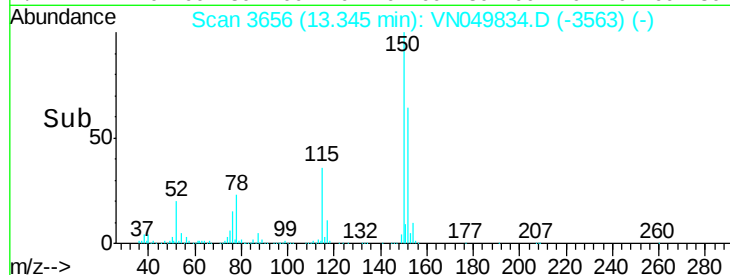
150 156.0 0.0 347.6



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: 6.69 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

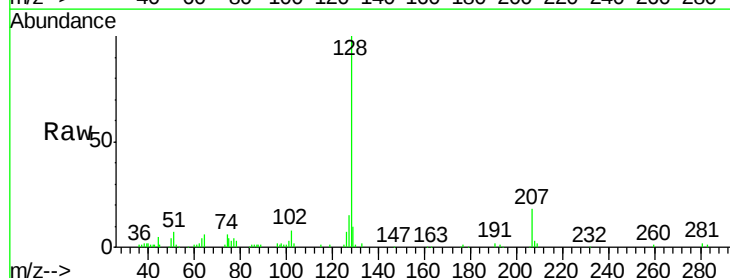
Tgt Ion:128 Resp: 88895

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 11.0 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

