

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050200.D
 Acq On : 30 Jul 2018 20:31
 Operator : MD\SY
 Sample : J4217-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-2

Quant Time: Jul 31 01:15:18 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	644096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1073339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	901747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	331999	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	456069	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	7.59	113	409647	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
50) Toluene-d8	10.09	98	1447121	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	
62) 4-Bromofluorobenzene	12.41	95	400854	37.79	ug/l	0.00
Spiked Amount			Recovery	=	75.58%	

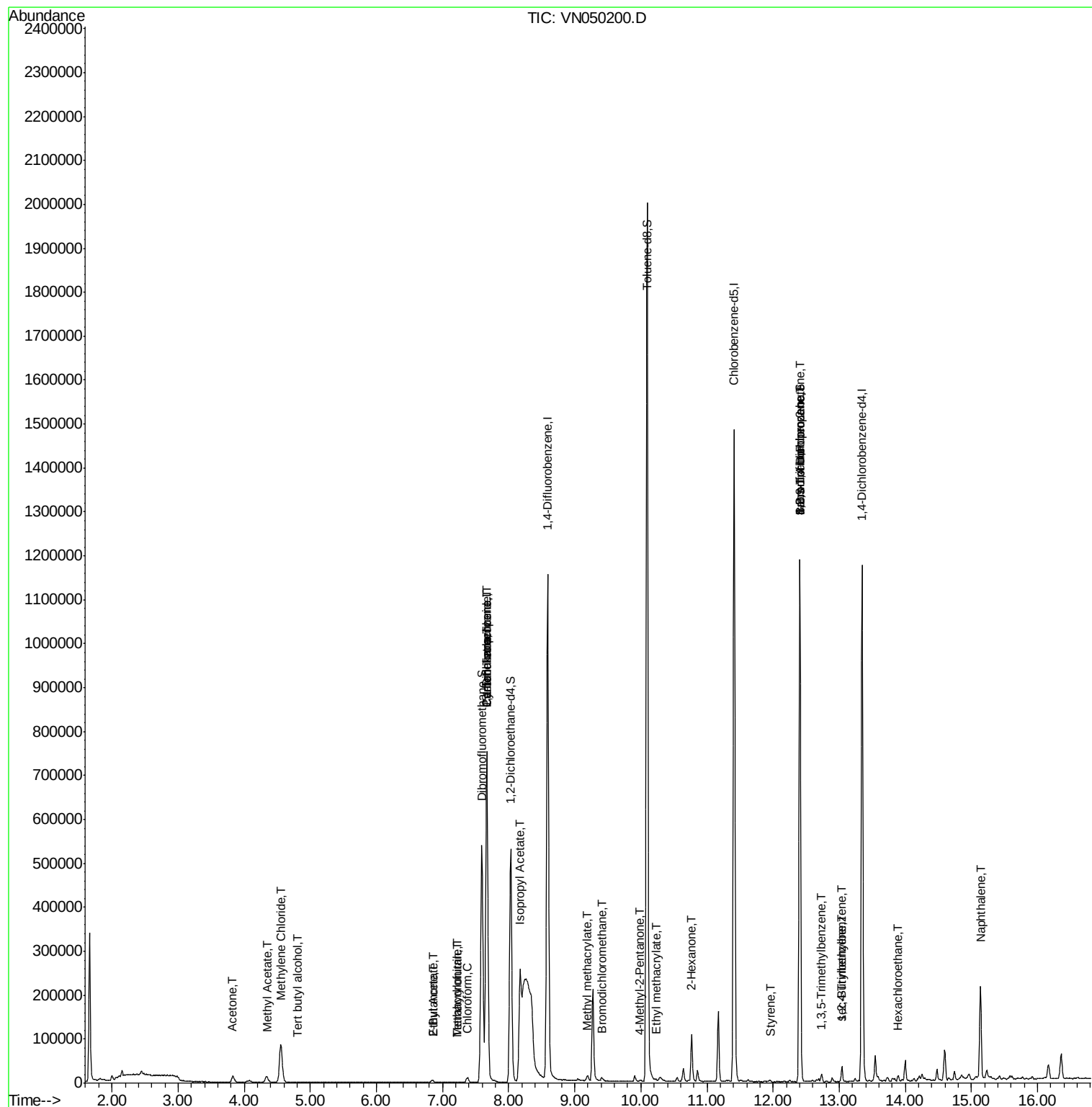
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	279	Below Cal		94
11) Tert butyl alcohol	4.81	59	1794	2.71 ug/l	#	72
16) Acetone	3.82	43	22807	6.55 ug/l		98
18) Methyl Acetate	4.34	43	26652	1.66 ug/l	#	74
20) Methylene Chloride	4.55	84	67111	7.35 ug/l		98
25) 2-Butanone	6.85	43	5548	1.62 ug/l	#	75
29) Tetrahydrofuran	7.22	42	738	0.33 ug/l	#	39
30) Chloroform	7.37	83	11581	0.76 ug/l		96
31) Cyclohexane	7.67	56	12653	0.96 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	44200	3.66 ug/l	#	49
37) Ethyl Acetate	6.85	43	5548	0.66 ug/l	#	67
38) Carbon Tetrachloride	7.67	117	58489	4.56 ug/l	#	16
41) Methacrylonitrile	7.22	41	417	2.84 ug/l	#	19
43) Isopropyl Acetate	8.17	43	314191	19.07 ug/l	#	90
47) Bromodichloromethane	9.40	83	3572	0.28 ug/l		95
48) Methyl methacrylate	9.18	41	7591	1.05 ug/l	#	22
51) 4-Methyl-2-Pentanone	10.00	43	2721	0.33 ug/l	#	81
56) Ethyl methacrylate	10.23	69	2353	2.22 ug/l	#	74
59) 2-Hexanone	10.77	43	15285	7.63 ug/l	#	57
70) Styrene	11.97	104	303	0.94 ug/l	#	33
71) Bromoform	12.40	173	3407	0.54 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	107	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	196198	31.80 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.73	105	7819	0.39 ug/l		100
81) trans-1,4-Dichloro-2-buten	12.40	75	196198	100.86 ug/l	#	13
84) 1,2,4-Trimethylbenzene	13.04	105	18049	0.88 ug/l		96
85) sec-Butylbenzene	13.04	105	18049	0.76 ug/l	#	56
90) Hexachloroethane	13.90	117	1081	0.24 ug/l	#	4
92) 1,2-Dibromo-3-Chloropropan	14.48	75	232	Below Cal	#	1
95) Naphthalene	15.14	128	187105	15.67 ug/l		99

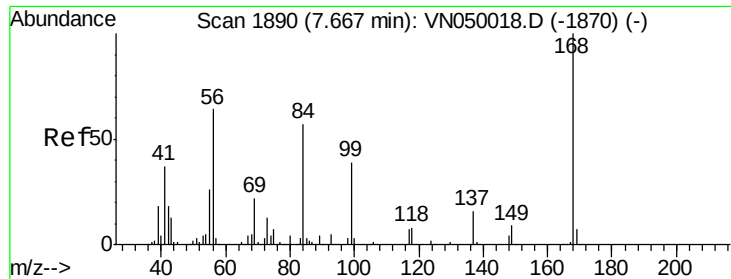
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

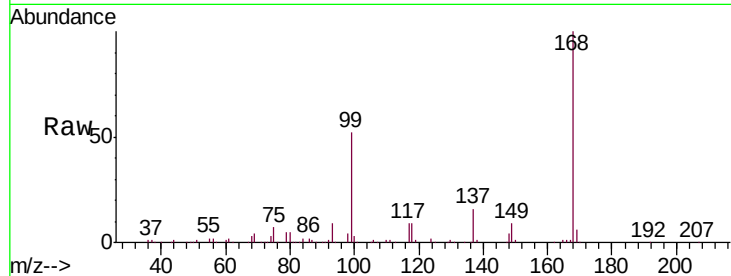
SOIL-2

Tot Ion:168 Resp: 644096

Ion Ratio Lower Upper

168 100

99 51.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

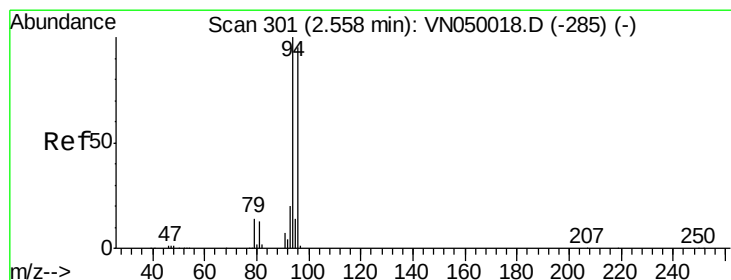
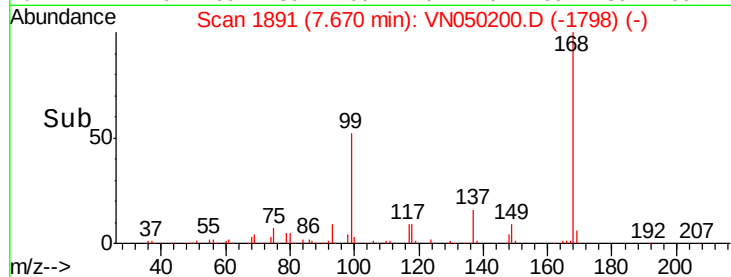
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 300

Delta R.T. 0.00 min

Lab File: VN050200.D

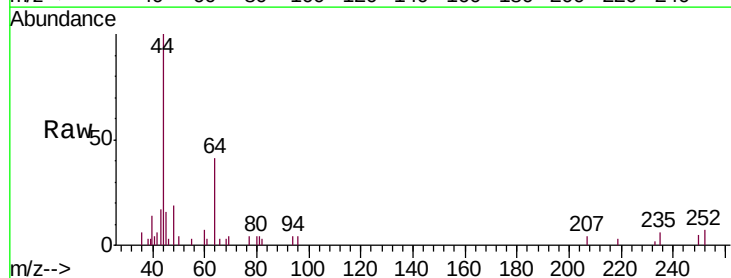
Acq: 30 Jul 2018 20:31

Tgt Ion: 94 Resp: 279

Ion Ratio Lower Upper

94 100

96 99.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

250

200

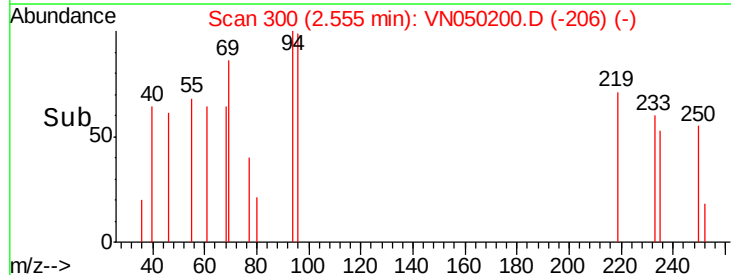
150

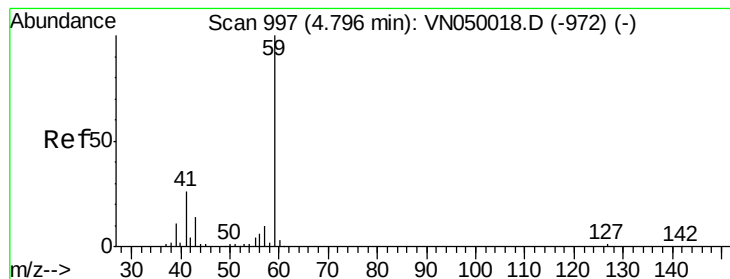
100

50

0

Time-->





#11

Tert butyl alcohol

Concen: 2.71 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

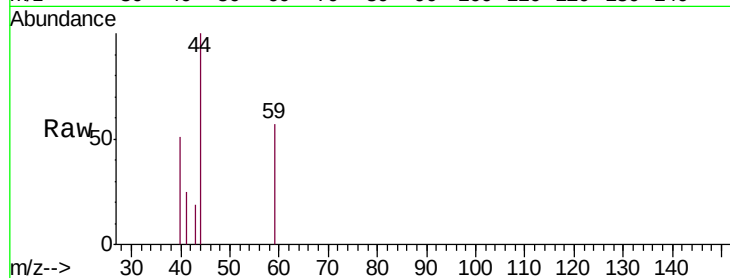
SOIL-2

Tot Ion: 59 Resp: 1794

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN050018.D (-972) (-)

Ion 57.00 (56.70 to 57.70): VN050018.D (-972) (-)

800

600

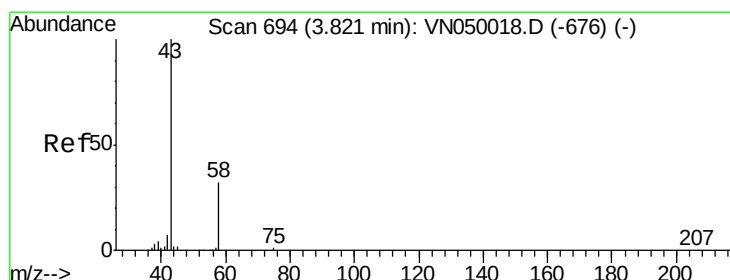
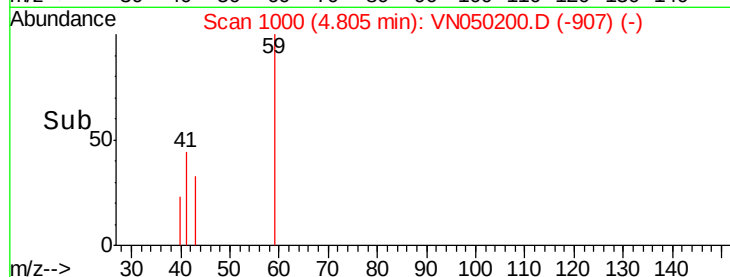
400

200

0

4.75 4.80 4.85

Time-->



#16

Acetone

Concen: 6.55 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050200.D

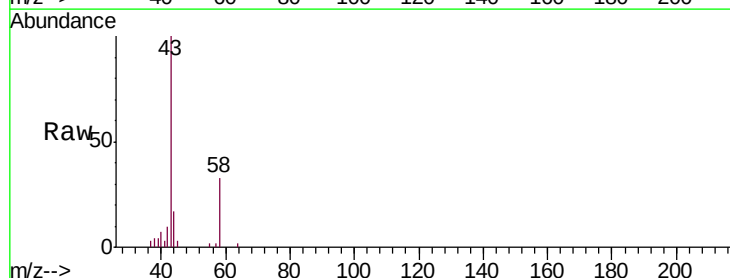
Acq: 30 Jul 2018 20:31

Tgt Ion: 43 Resp: 22807

Ion Ratio Lower Upper

43 100

58 33.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)

10000

8000

6000

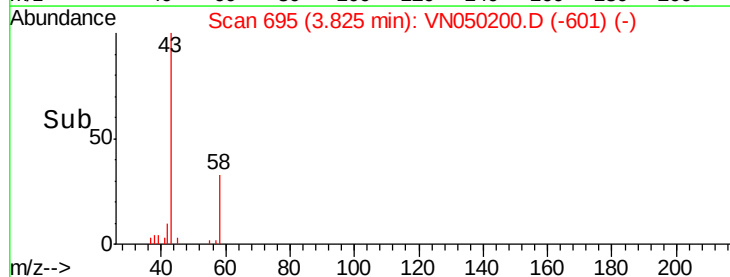
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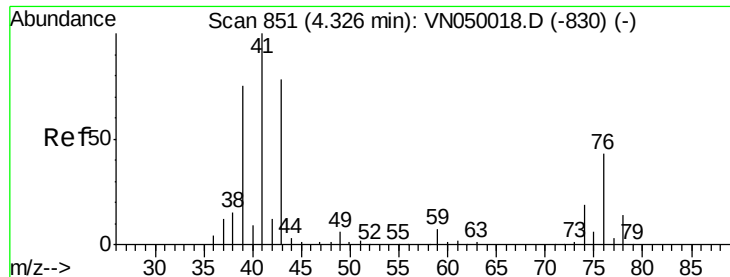
2000

0

3.75 3.80 3.85 3.90

Time-->

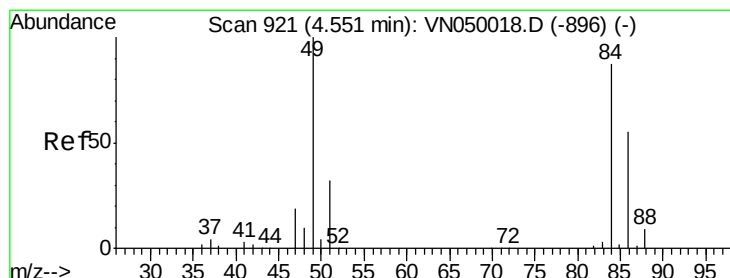
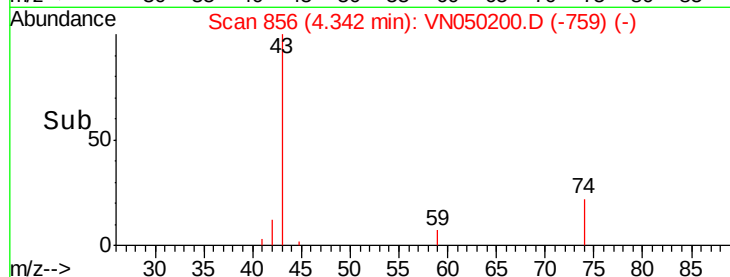
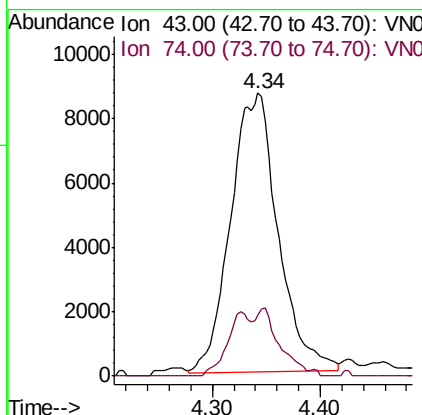
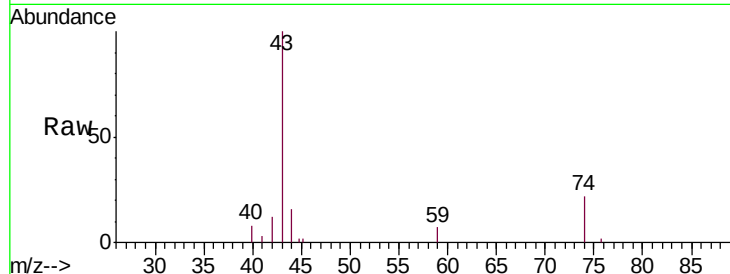




#18
Methyl Acetate
Concen: 1.66 ug/l
RT: 4.34 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN050200.D
Acq: 30 Jul 2018 20:31

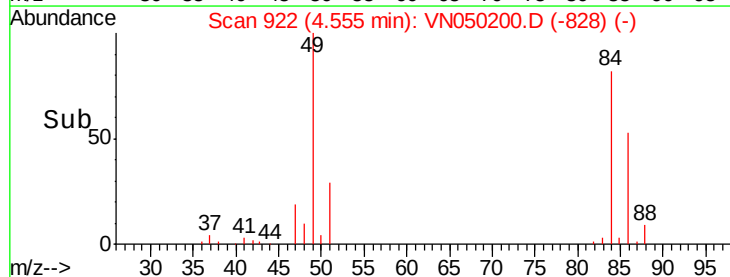
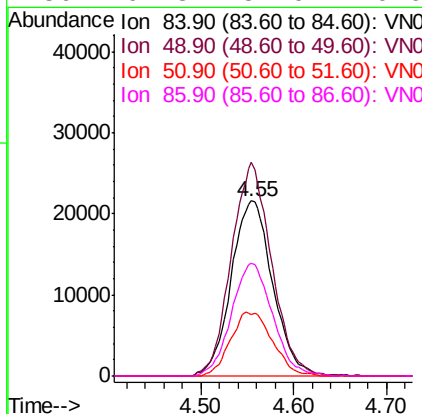
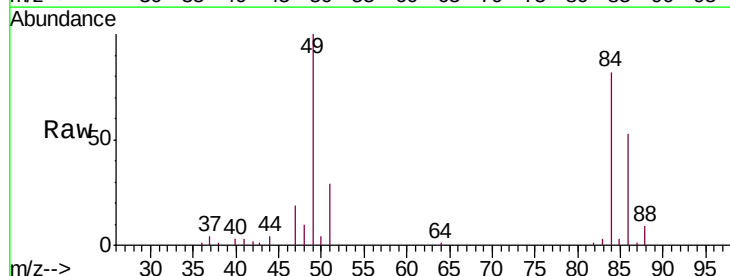
Instrument :
MSVOA_N
ClientSampleId :
SOIL-2

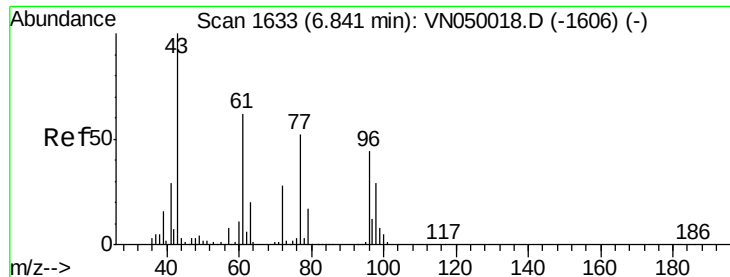
Tot Ion: 43 Resp: 26652
Ion Ratio Lower Upper
43 100
74 11.3 19.2 28.8#



#20
Methylene Chloride
Concen: 7.35 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050200.D
Acq: 30 Jul 2018 20:31

Tgt Ion: 84 Resp: 67111
Ion Ratio Lower Upper
84 100
49 122.2 94.8 142.2
51 35.2 28.3 42.5
86 64.3 51.0 76.6

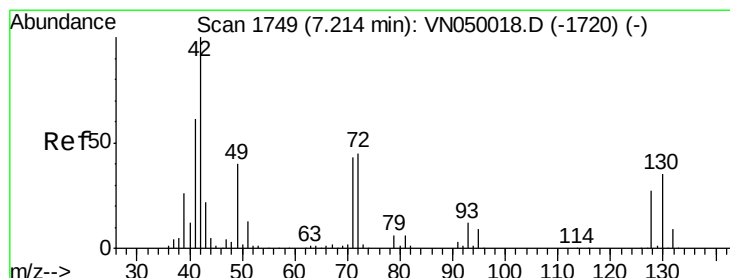
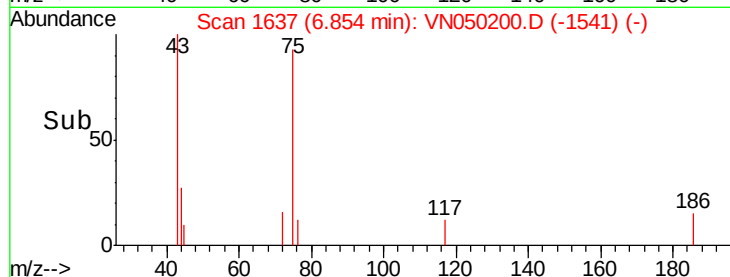
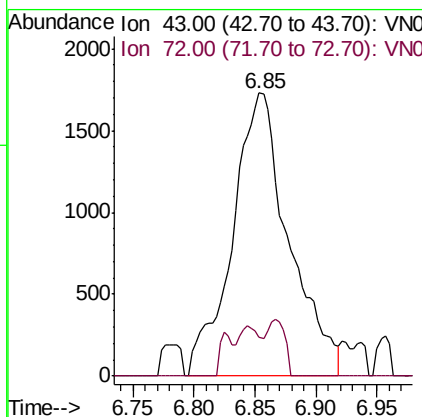
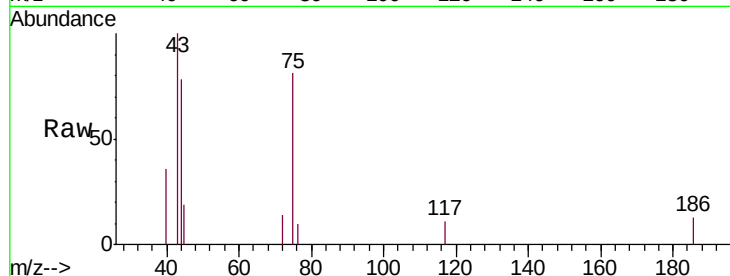




#25
2-Butanone
Concen: 1.62 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050200.D
Acq: 30 Jul 2018 20:31

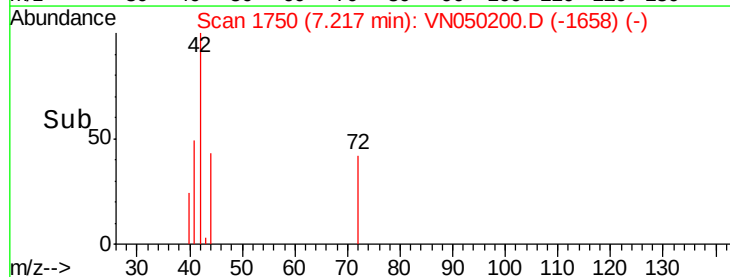
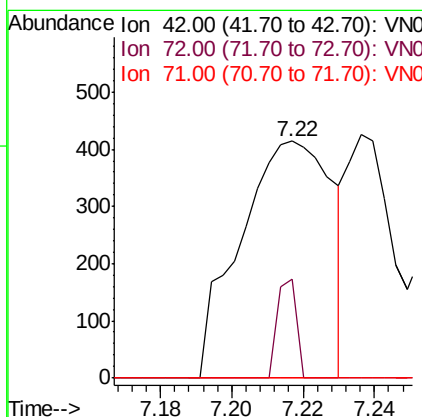
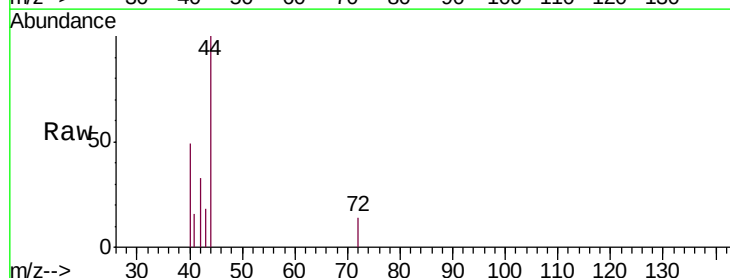
Instrument :
MSVOA_N
ClientSampled :
SOIL-2

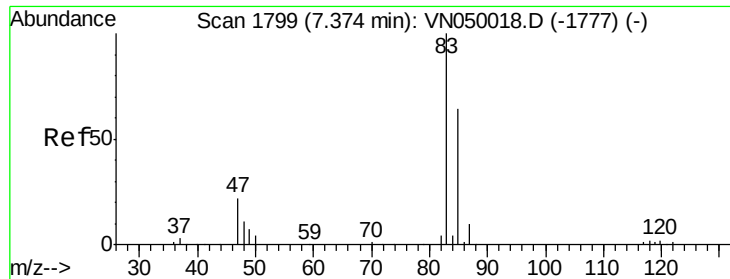
Tot Ion: 43 Resp: 5548
Ion Ratio Lower Upper
43 100
72 13.9 21.5 32.3#



#29
Tetrahydrofuran
Concen: 0.33 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050200.D
Acq: 30 Jul 2018 20:31

Tgt Ion: 42 Resp: 738
Ion Ratio Lower Upper
42 100
72 8.7 35.9 53.9#
71 0.0 33.7 50.5#

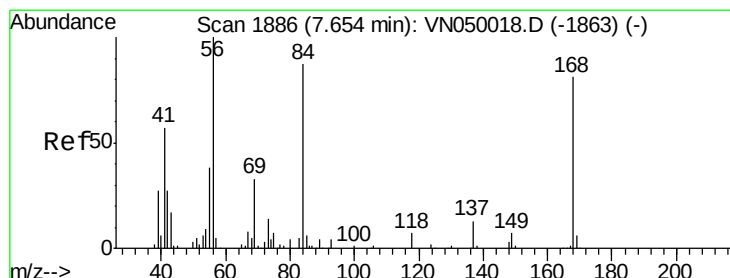
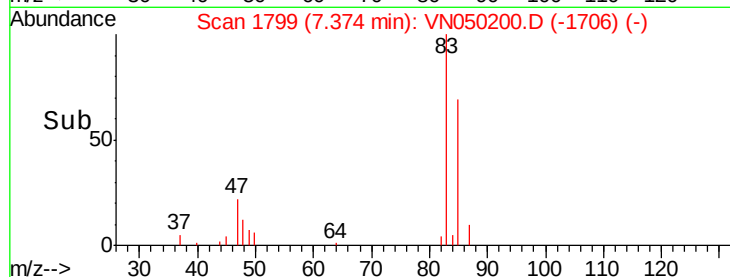
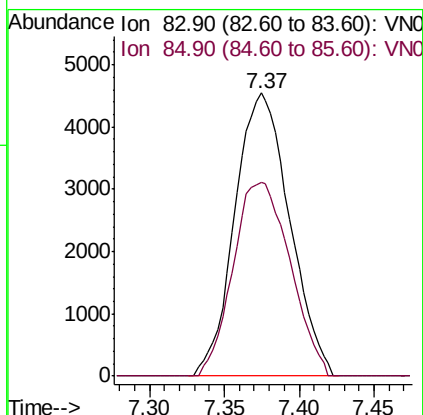
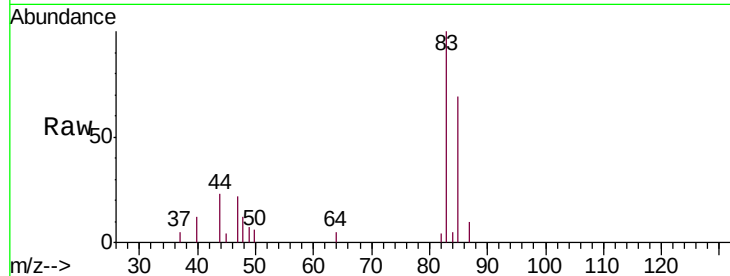




#30
Chloroform
Concen: 0.76 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050200.D
Acq: 30 Jul 2018 20:31

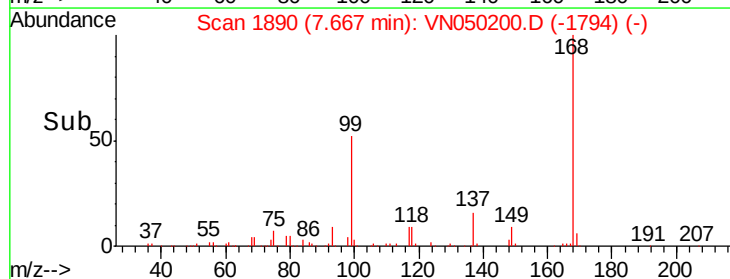
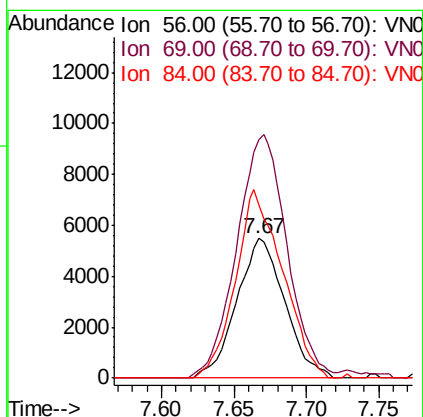
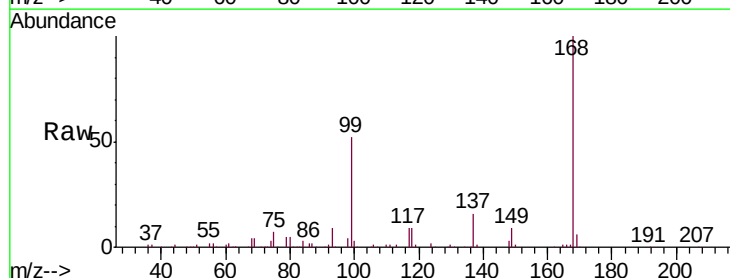
Instrument :
MSVOA_N
ClientSampled :
SOIL-2

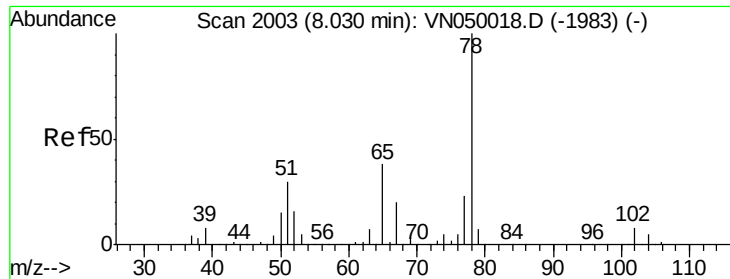
Tot Ion: 83 Resp: 11581
Ion Ratio Lower Upper
83 100
85 68.7 52.5 78.7



#31
Cyclohexane
Concen: 0.96 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050200.D
Acq: 30 Jul 2018 20:31

Tgt Ion: 56 Resp: 12653
Ion Ratio Lower Upper
56 100
69 171.5 26.2 39.4#
84 124.3 67.4 101.0#

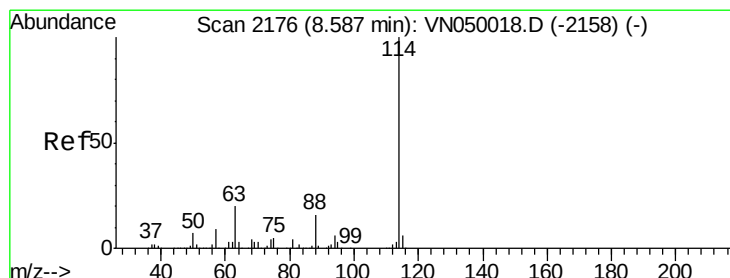
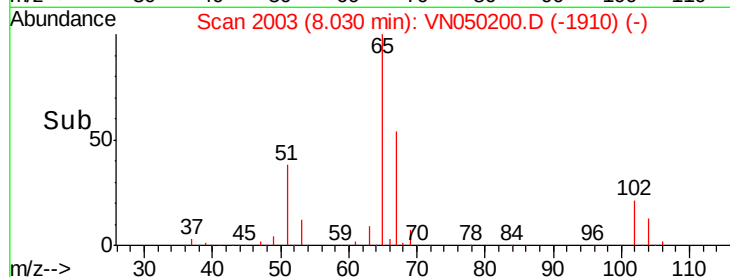
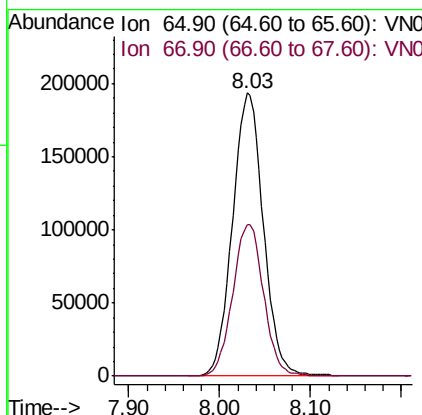
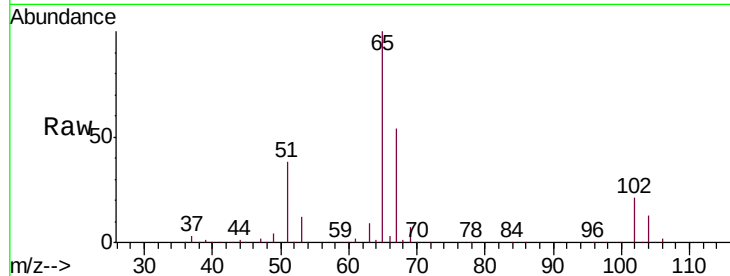




#33
 1,2-Dichloroethane-d4
 Concen: 50.75 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050200.D
 Acq: 30 Jul 2018 20:31

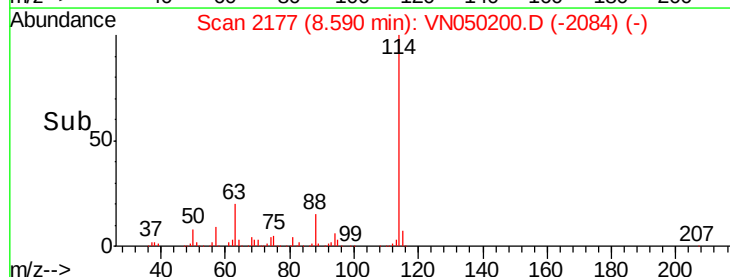
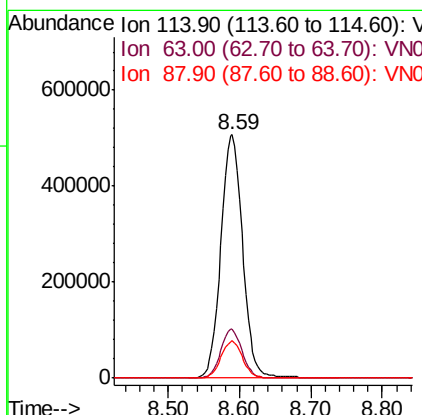
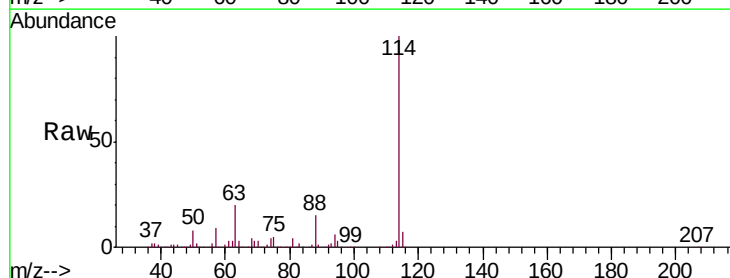
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 SOIL-2

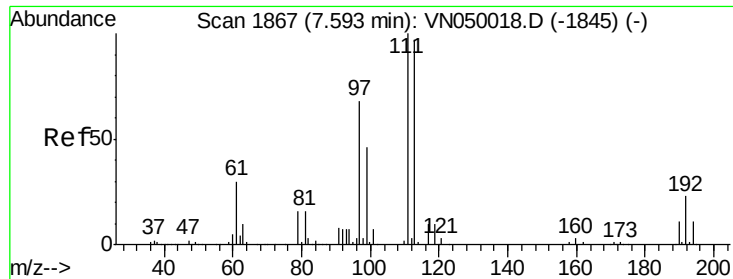
Tot Ion: 65 Resp: 456069
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050200.D
 Acq: 30 Jul 2018 20:31

Tgt Ion: 114 Resp: 1073339
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.2 0.0 31.2

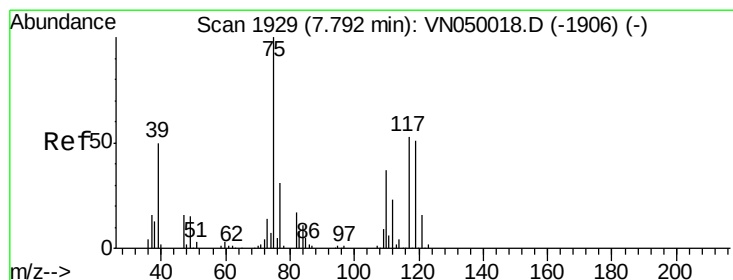
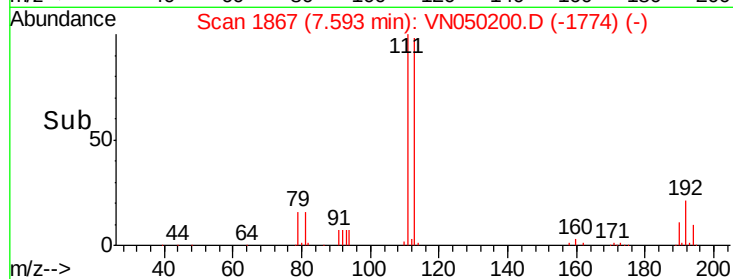
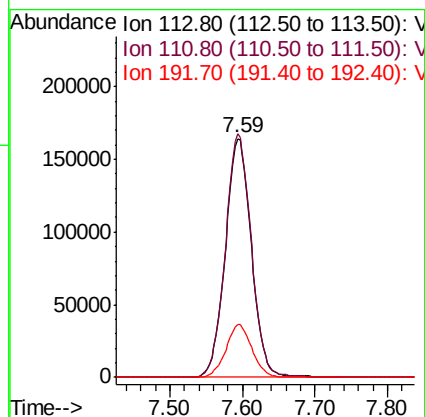
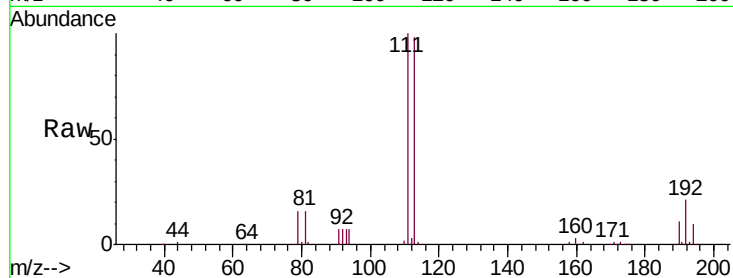




#35
 Dibromofluoromethane
 Concen: 46.74 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050200.D
 Acq: 30 Jul 2018 20:31

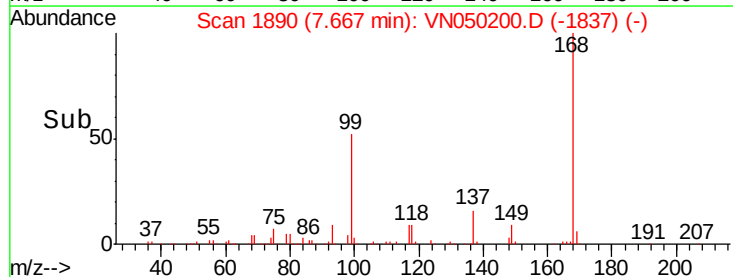
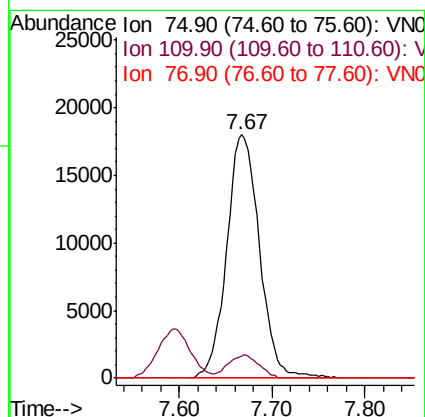
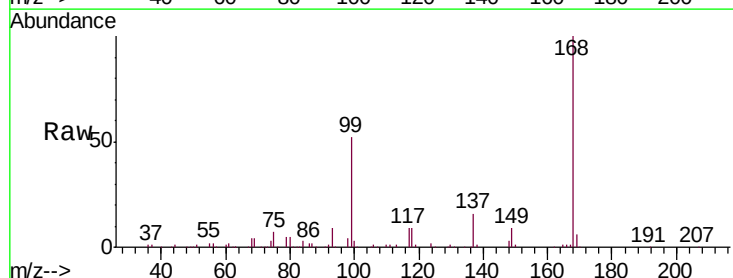
Instrument :
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 ClientSampleId :
 SOIL-2

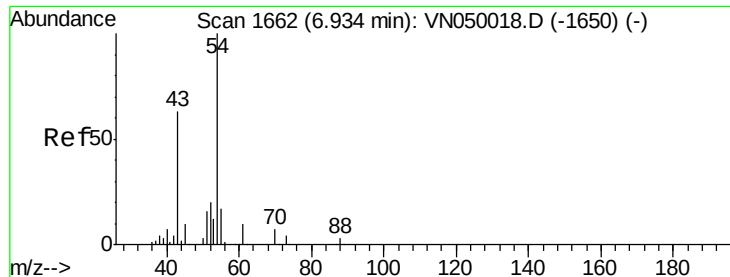
Tot Ion:113 Resp: 409647
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.7 121.1
 192 21.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.66 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050200.D
 Acq: 30 Jul 2018 20:31

Tgt Ion: 75 Resp: 44200
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.2#
 77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.66 ug/l

RT: 6.85 min Scan# 1637

Delta R.T. -0.08 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

SOIL-2

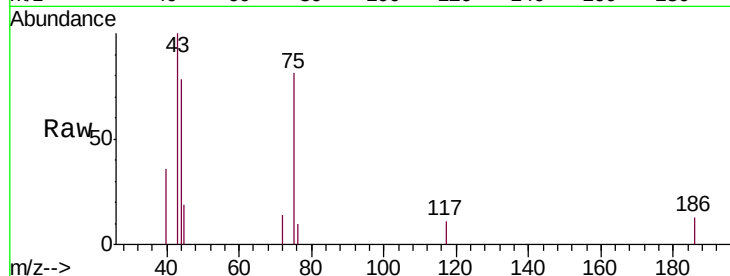
Tot Ion: 43 Resp: 5548

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

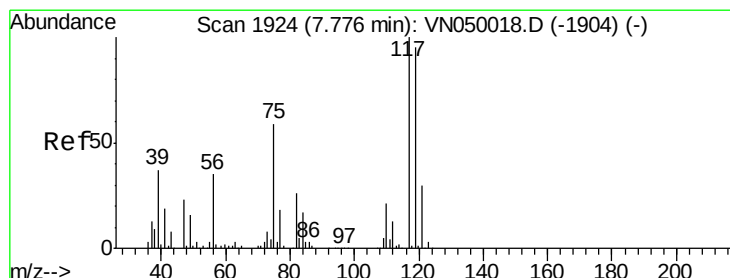
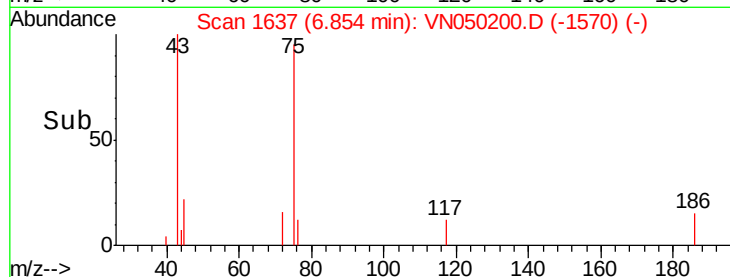
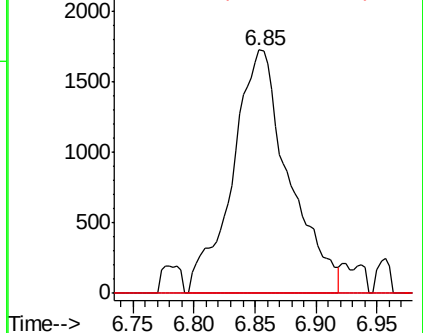
70 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 4.56 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

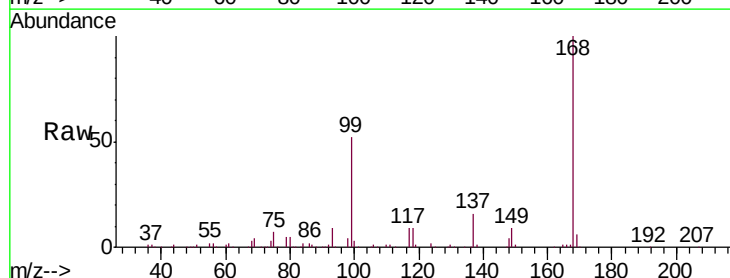
Tgt Ion: 117 Resp: 58489

Ion Ratio Lower Upper

117 100

119 5.9 77.4 116.0#

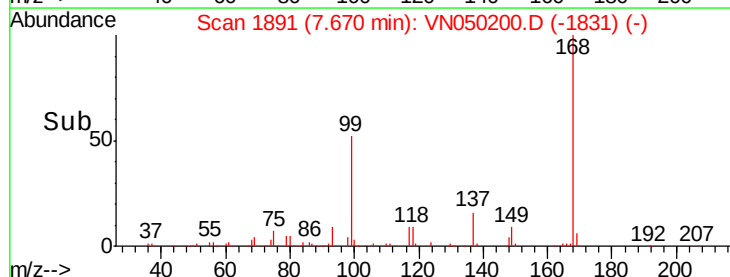
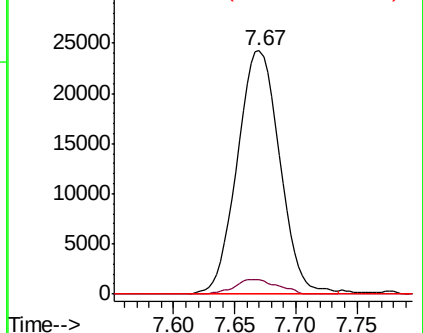
121 0.0 23.9 35.9#

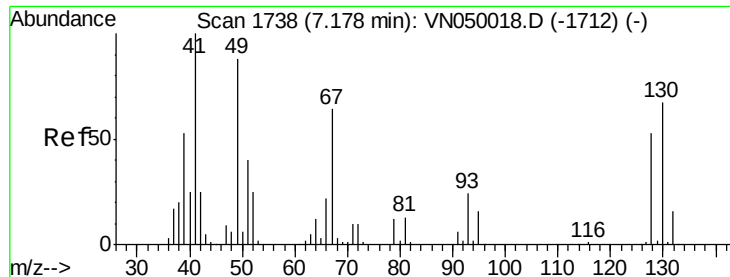


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

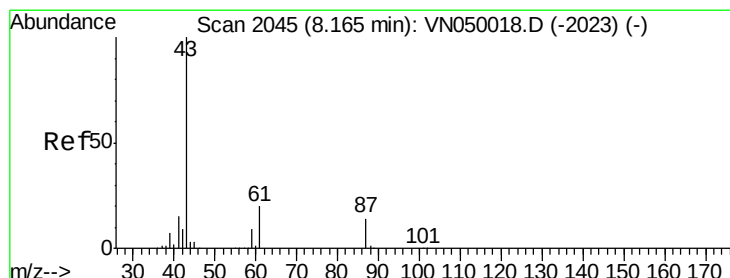
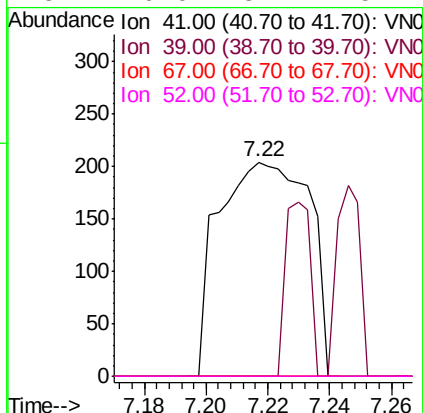
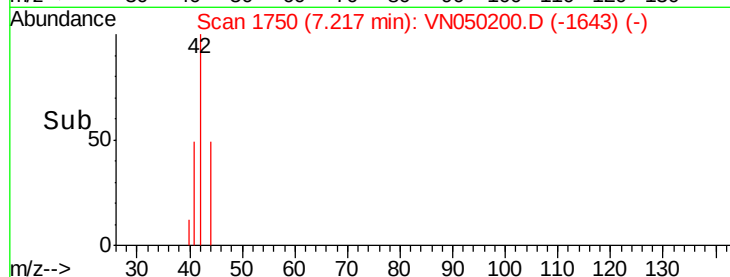
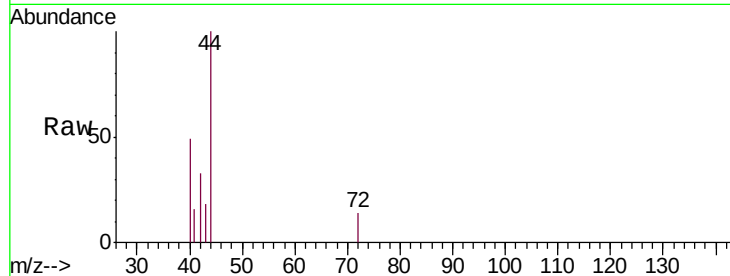




#41
Methacrylonitrile
Concen: 2.84 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.04 min
Lab File: VN050200.D
Acq: 30 Jul 2018 20:31

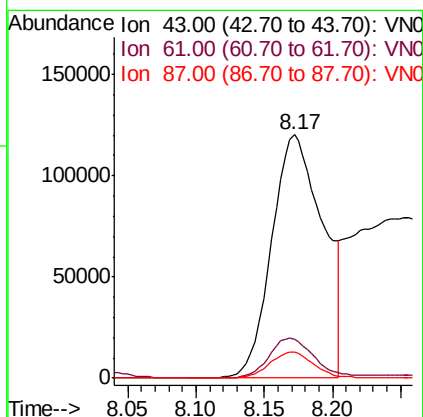
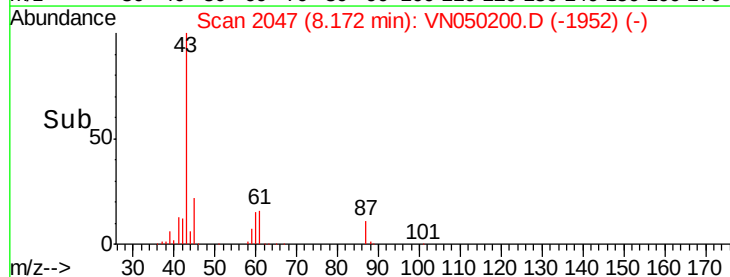
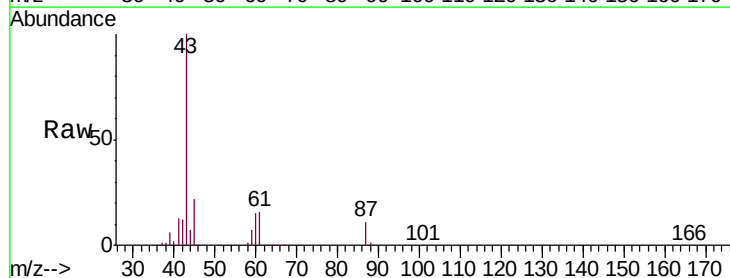
Instrument :
MSVOA_N
ClientSampled :
SOIL-2

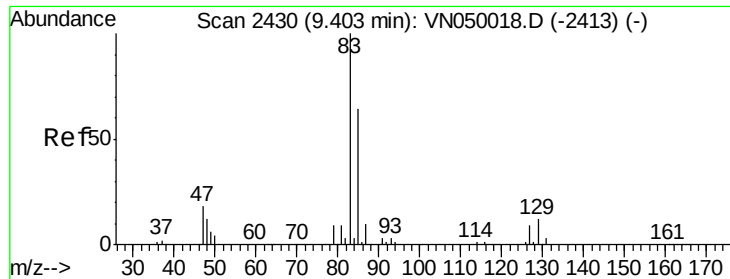
Tot Ion: 41 Resp: 417
Ion Ratio Lower Upper
41 100
39 22.5 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 19.07 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN050200.D
Acq: 30 Jul 2018 20:31

Tgt Ion: 43 Resp: 314191
Ion Ratio Lower Upper
43 100
61 15.0 15.8 23.6#
87 9.3 10.3 15.5#





#47

Bromodichloromethane

Concen: 0.28 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

SOIL-2

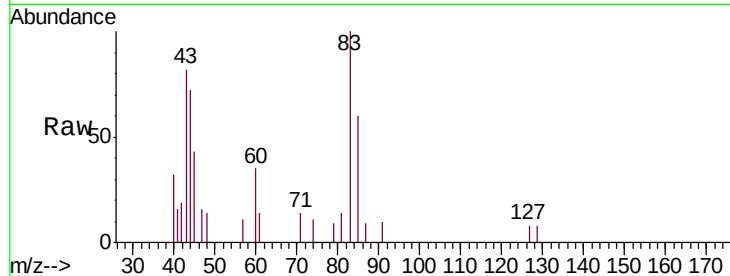
Tot Ion: 83 Resp: 3572

Ion Ratio Lower Upper

83 100

85 59.8 51.1 76.7

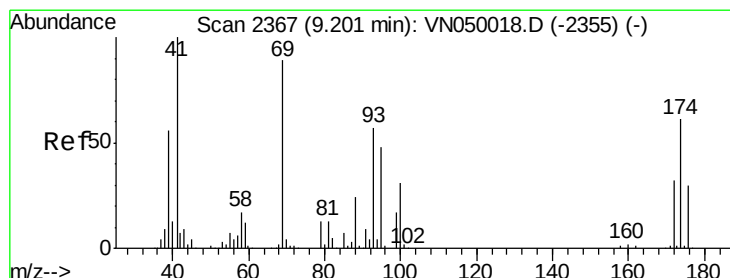
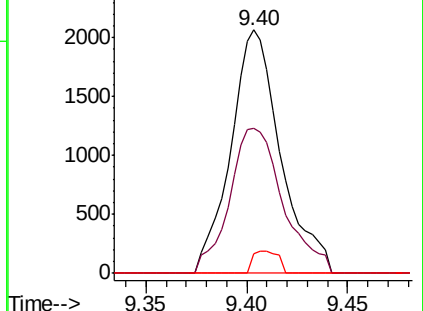
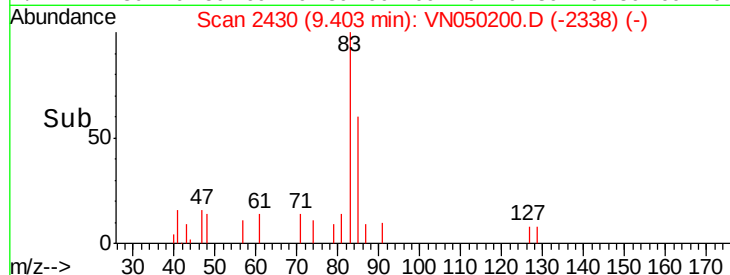
127 8.1 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 1.05 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

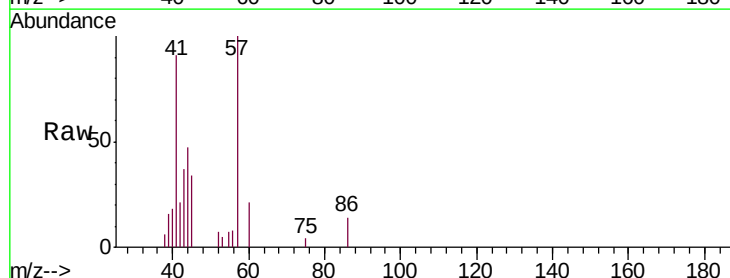
Tgt Ion: 41 Resp: 7591

Ion Ratio Lower Upper

41 100

69 0.0 70.6 105.8#

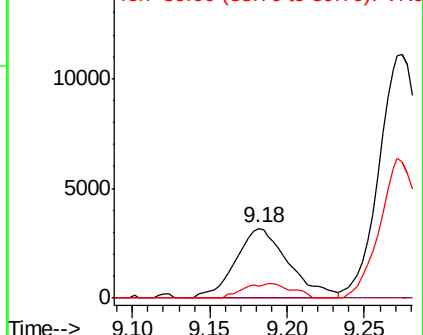
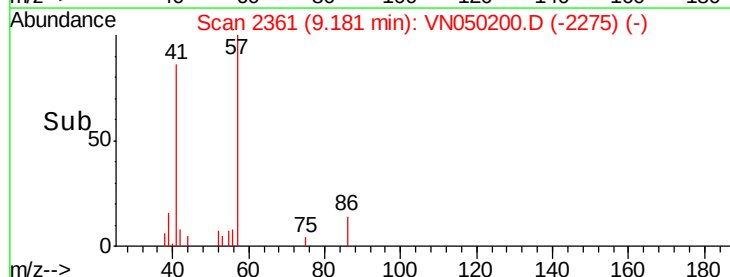
39 18.6 43.9 65.9#

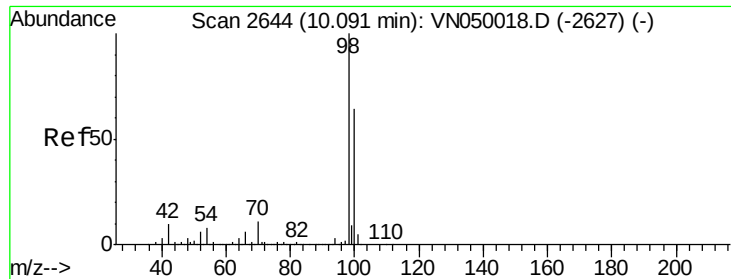


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

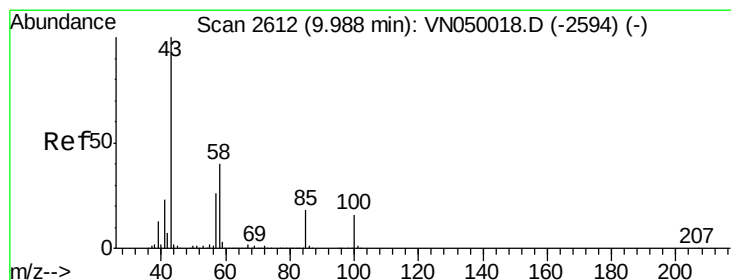
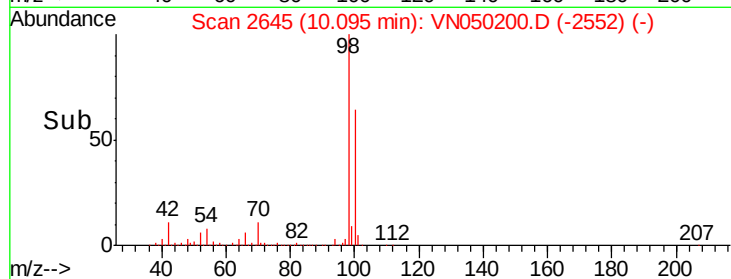
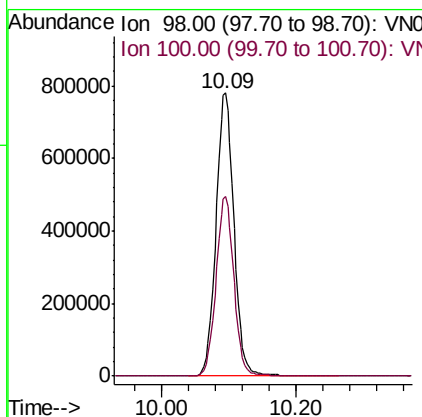
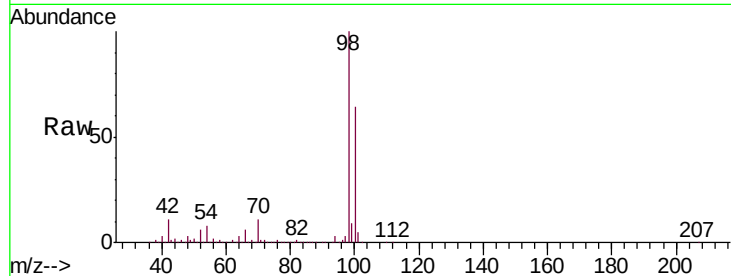




#50
Toluene-d8
Concen: 44.92 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050200.D
Acq: 30 Jul 2018 20:31

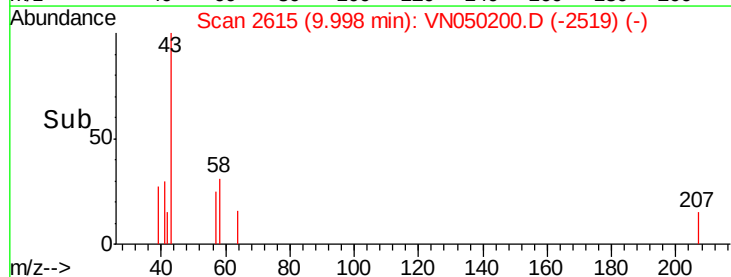
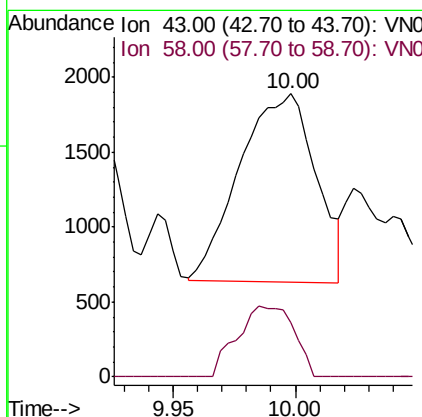
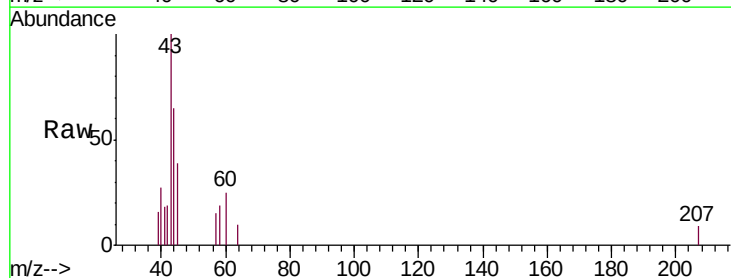
Instrument :
MSVOA_N
ClientSampled :
SOIL-2

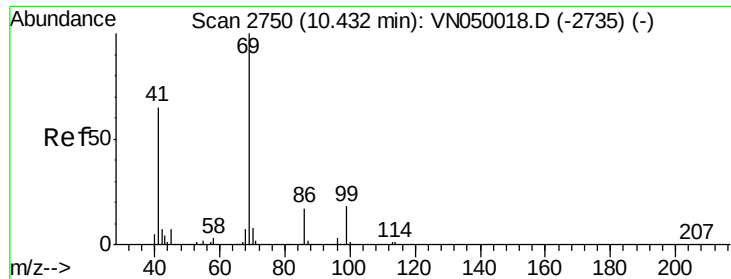
Tot Ion: 98 Resp: 1447121
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.33 ug/l
RT: 10.00 min Scan# 2615
Delta R.T. 0.01 min
Lab File: VN050200.D
Acq: 30 Jul 2018 20:31

Tgt Ion: 43 Resp: 2721
Ion Ratio Lower Upper
43 100
58 27.9 31.9 47.9#





#56

Ethyl methacrylate

Concen: 2.22 ug/l

RT: 10.23 min Scan# 2687

Delta R.T. -0.20 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

SOIL-2

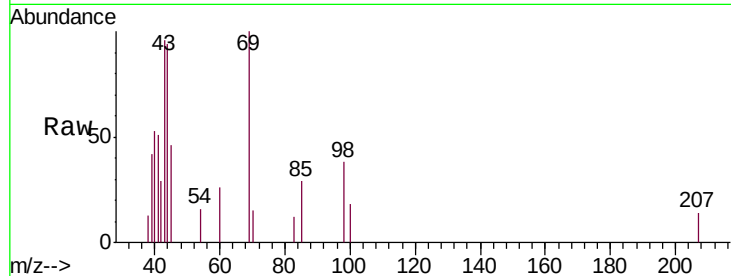
Tot Ion: 69 Resp: 2353

Ion Ratio Lower Upper

69 100

41 52.6 51.0 76.4

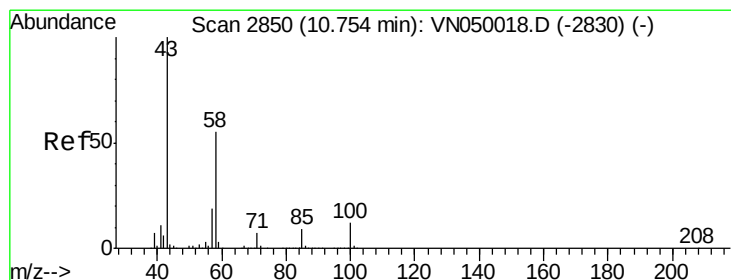
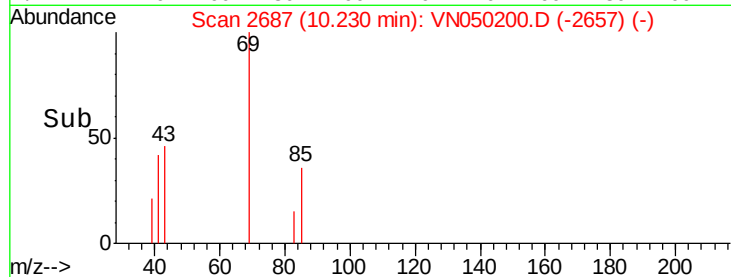
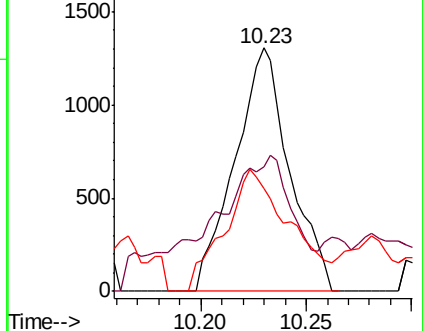
39 60.4 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 7.63 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050200.D

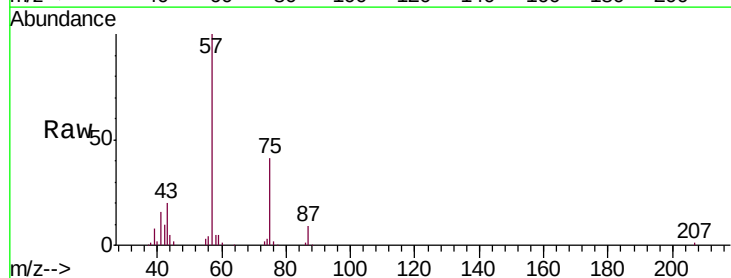
Acq: 30 Jul 2018 20:31

Tgt Ion: 43 Resp: 15285

Ion Ratio Lower Upper

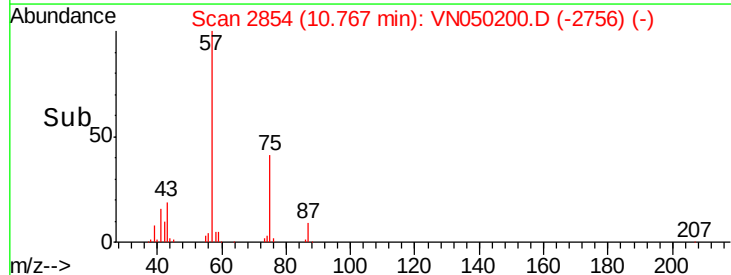
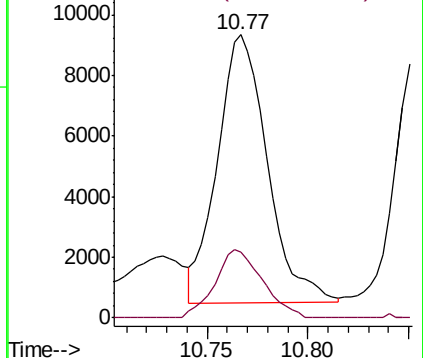
43 100

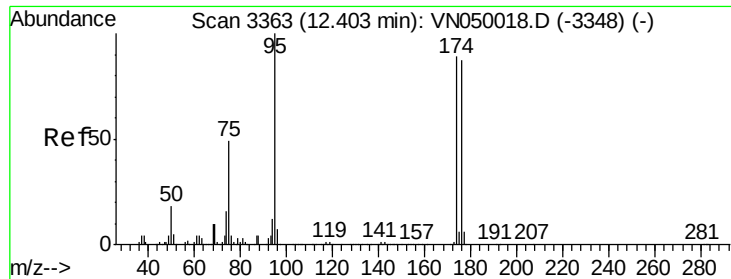
58 24.2 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 37.79 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

SOIL-2

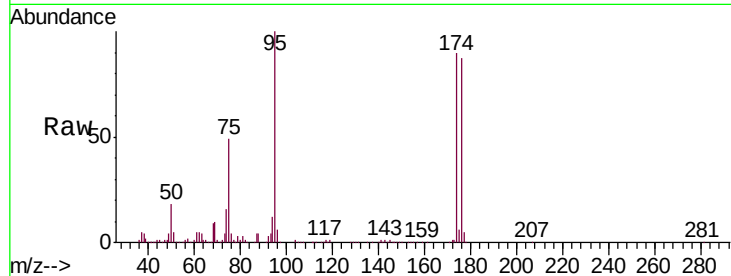
Tot Ion: 95 Resp: 400854

Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.2

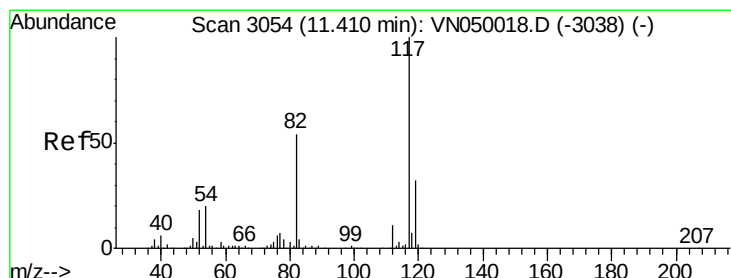
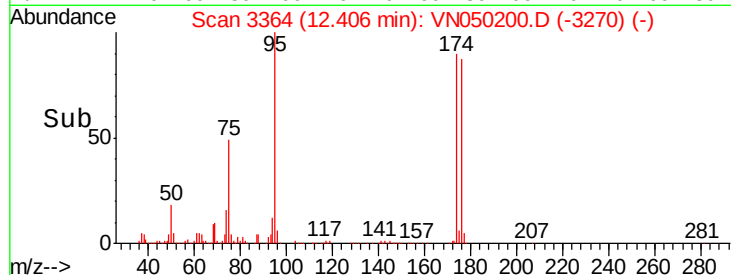
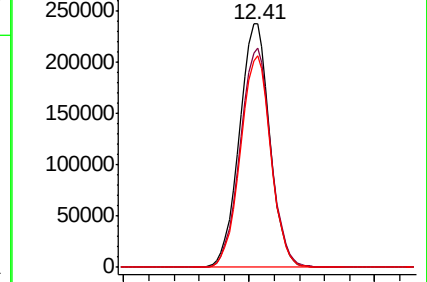
176 86.7 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050018.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050018.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050018.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

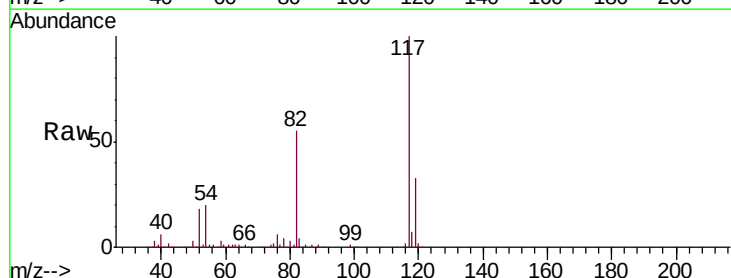
Tgt Ion: 117 Resp: 901747

Ion Ratio Lower Upper

117 100

82 54.6 43.7 65.5

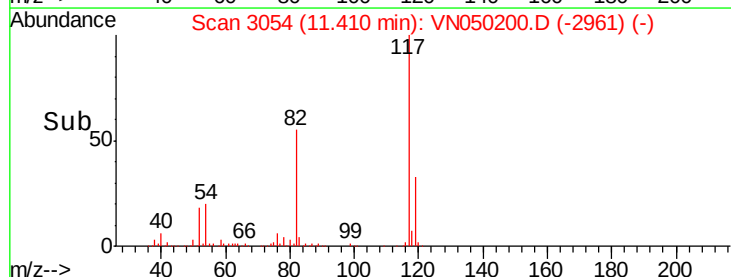
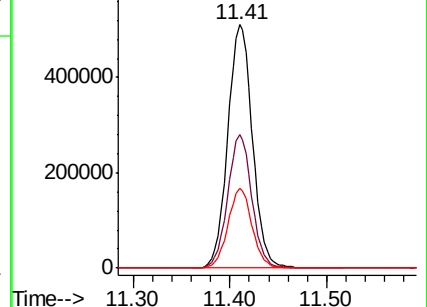
119 32.6 26.1 39.1

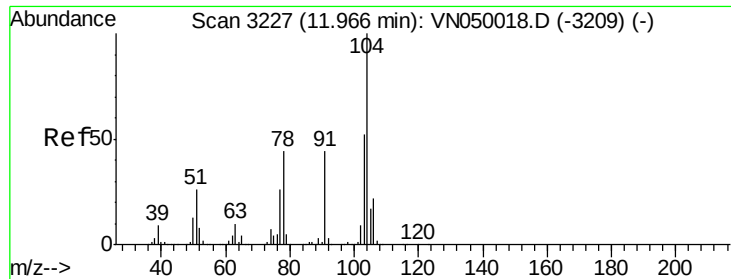


Abundance Ion 116.90 (116.60 to 117.60): VN050018.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050018.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050018.D (-3038) (-)





#70

Stvrene

Concen: 0.94 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

SOIL-2

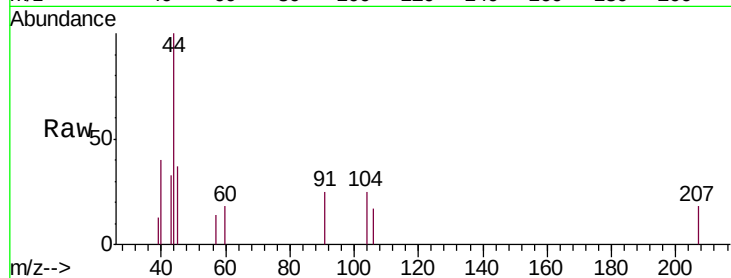
Tot Ion:104 Resp: 303

Ion Ratio Lower Upper

104 100

78 0.0 39.3 58.9#

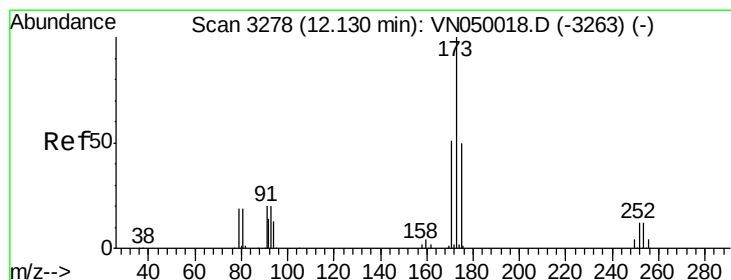
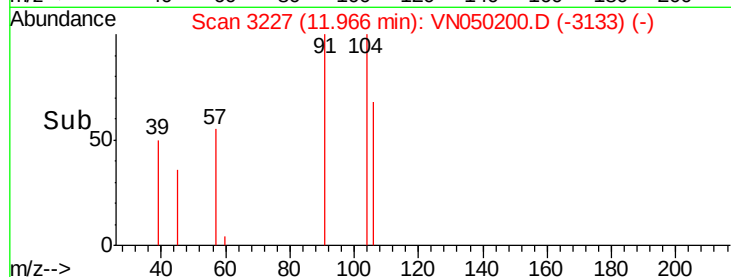
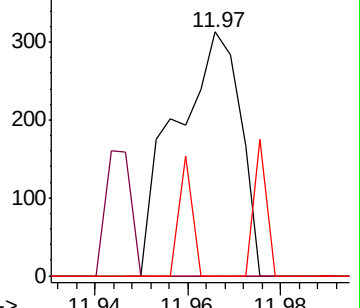
103 9.9 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

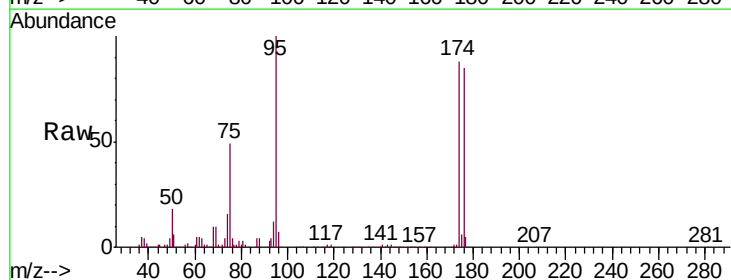
Tgt Ion:173 Resp: 3407

Ion Ratio Lower Upper

173 100

175 687.8 24.1 72.2#

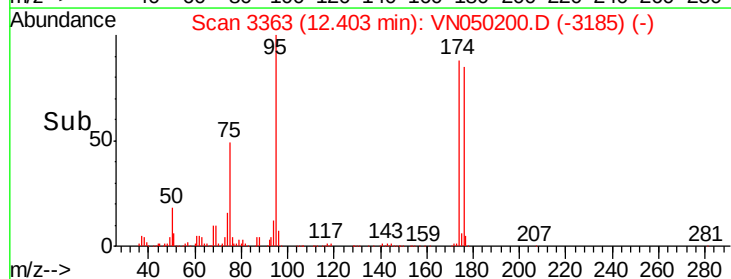
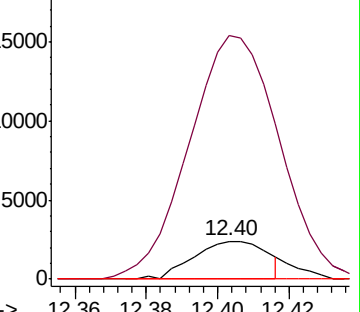
254 0.0 0.2 0.2#

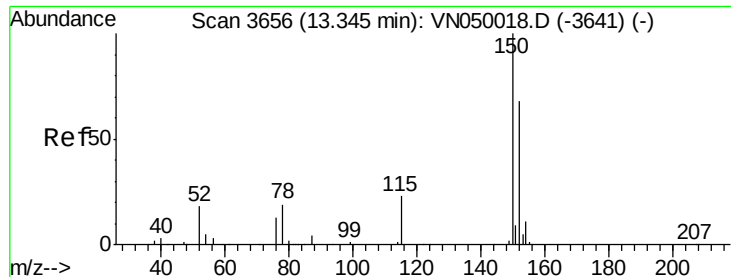


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN050200.D

Acq: 30 Jul 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

SOIL-2

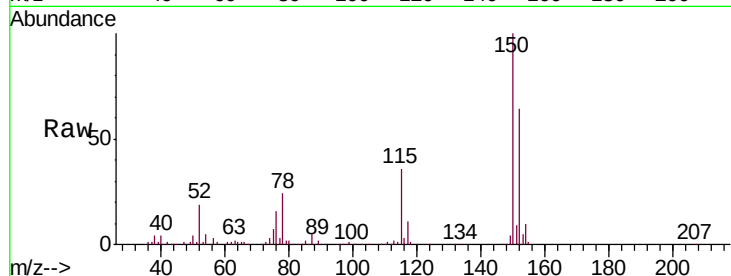
Tot Ion:152 Resp: 331999

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.3

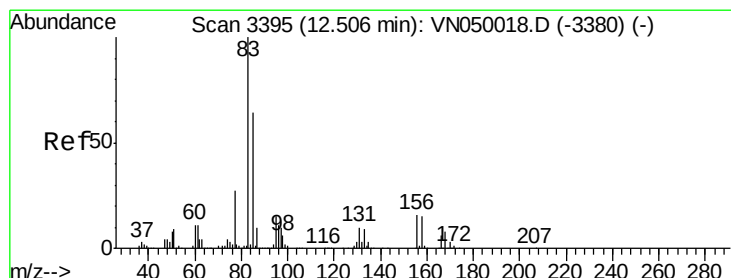
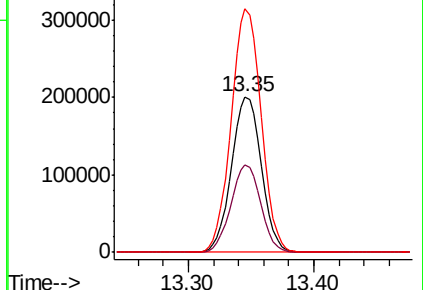
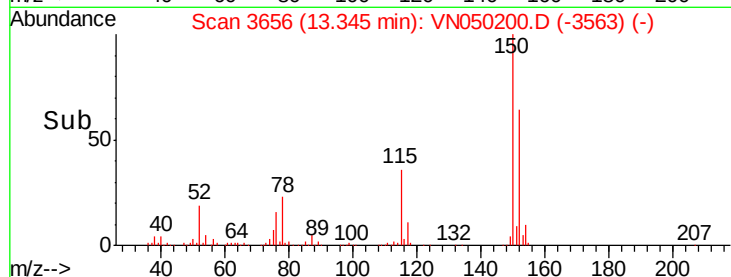
150 156.9 0.0 348.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

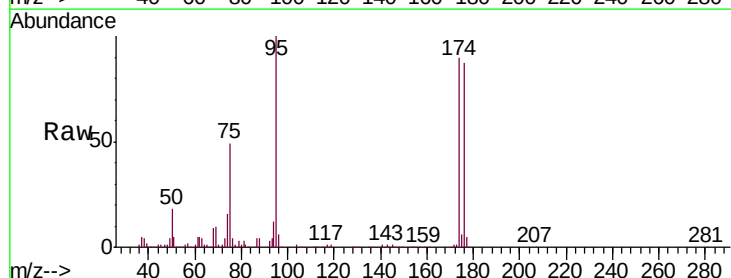
Tgt Ion: 83 Resp: 107

Ion Ratio Lower Upper

83 100

131 425.2 5.1 15.3#

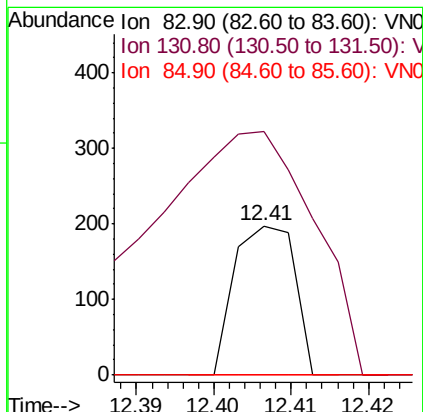
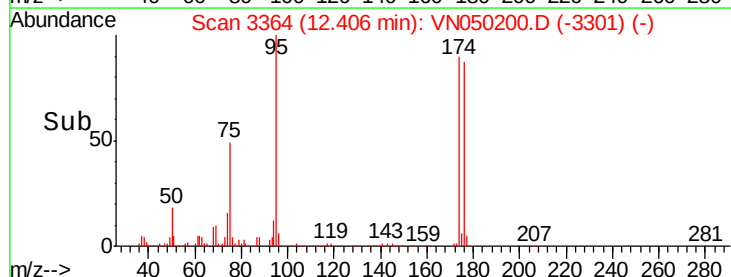
85 0.0 32.3 96.8#

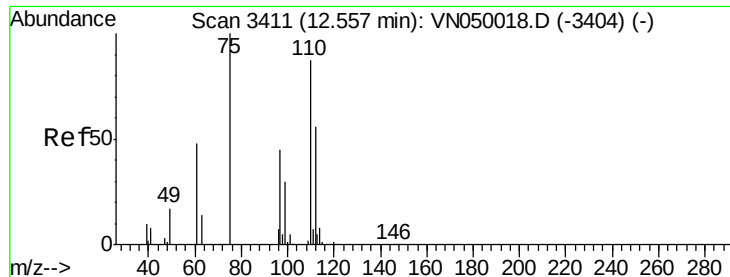


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 31.80 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

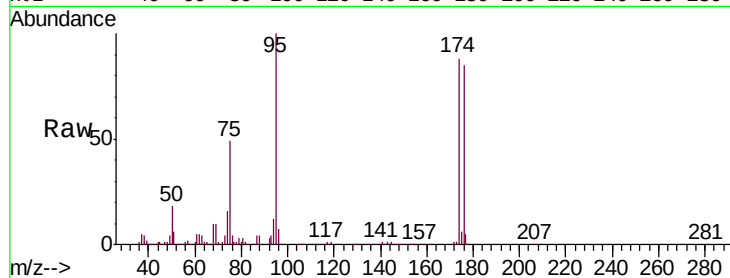
SOIL-2

Tot Ion: 75 Resp: 196198

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3404) (-)

Ion 77.00 (76.70 to 77.70): VN050018.D (-3404) (-)

12.40

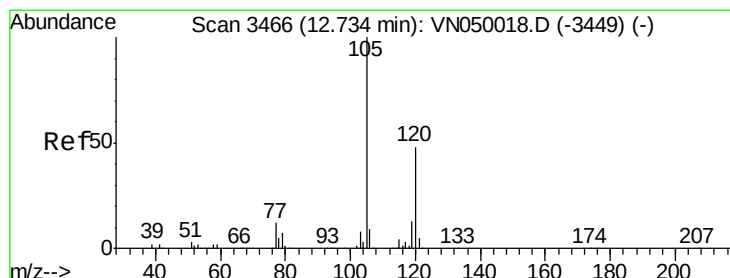
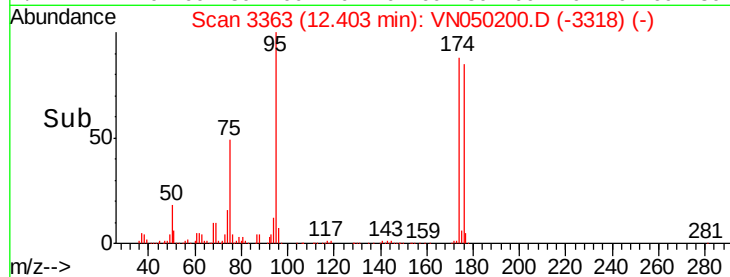
100000

50000

0

Time-->

12.35 12.40 12.45



#80

1,3,5-Trimethylbenzene

Concen: 0.39 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050200.D

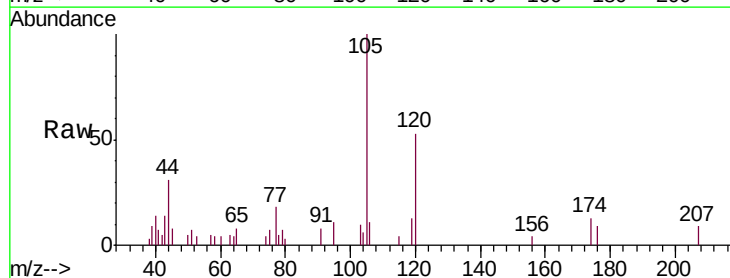
Acq: 30 Jul 2018 20:31

Tgt Ion:105 Resp: 7819

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)

12.73

5000

4000

3000

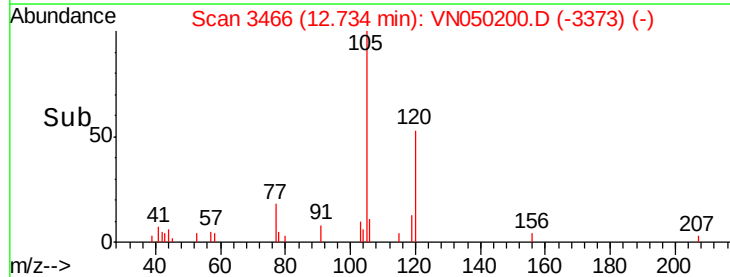
2000

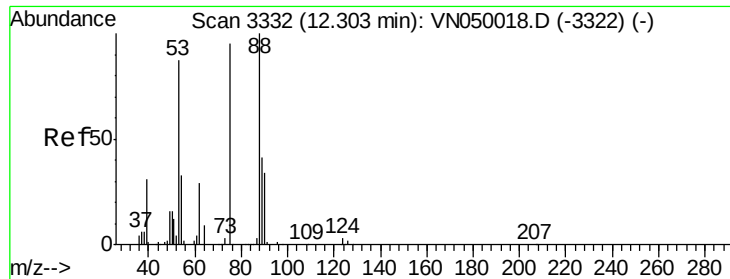
1000

0

Time-->

12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 100.86 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

SOIL-2

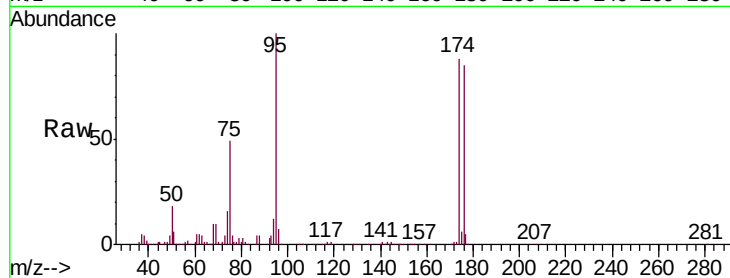
Tot Ion: 75 Resp: 196198

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

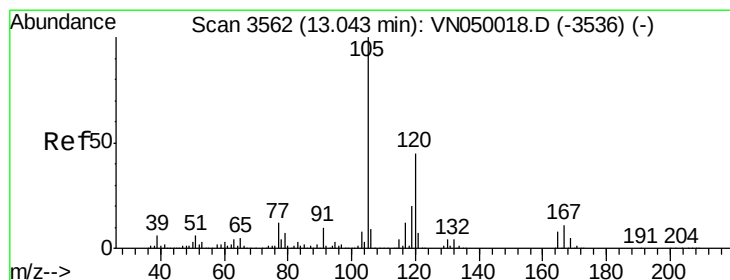
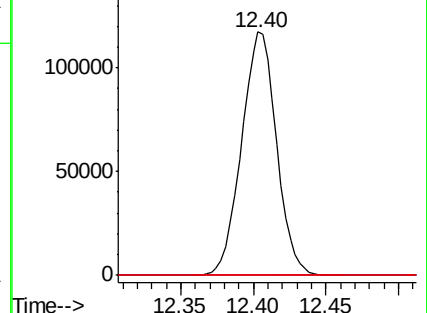
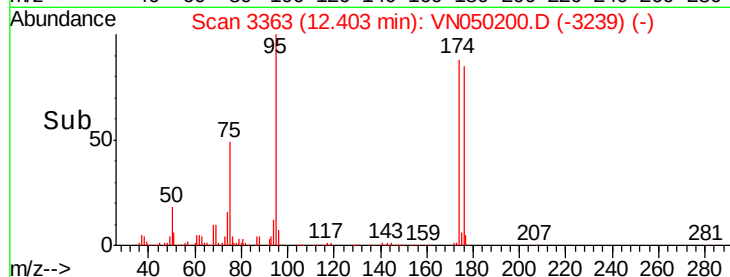
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 0.88 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050200.D

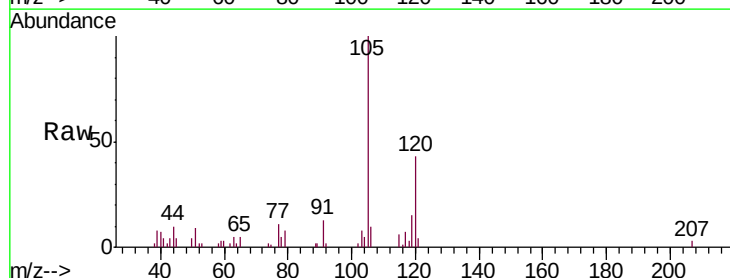
Acq: 30 Jul 2018 20:31

Tgt Ion:105 Resp: 18049

Ion Ratio Lower Upper

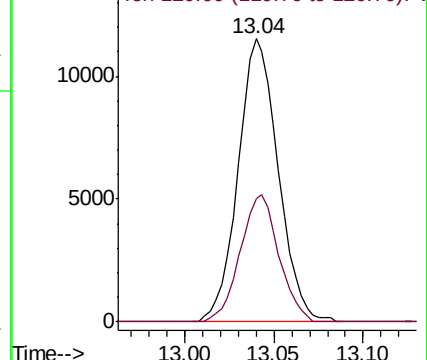
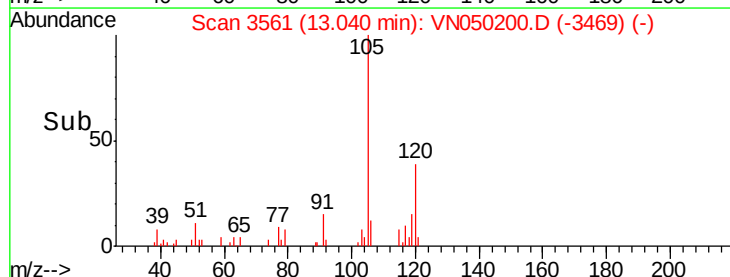
105 100

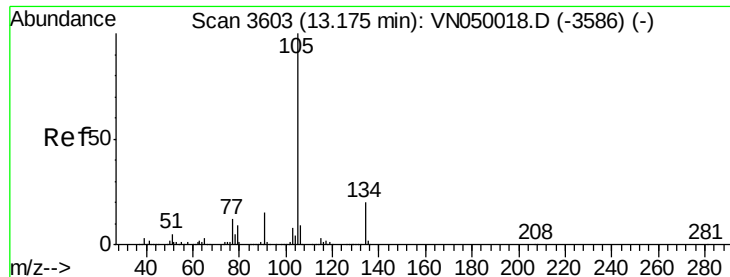
120 43.3 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.76 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.13 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

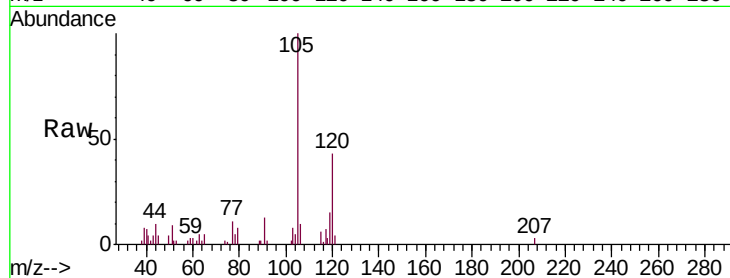
SOIL-2

Tot Ion:105 Resp: 18049

Ion Ratio Lower Upper

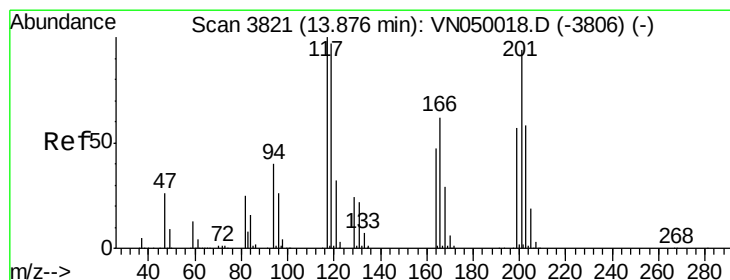
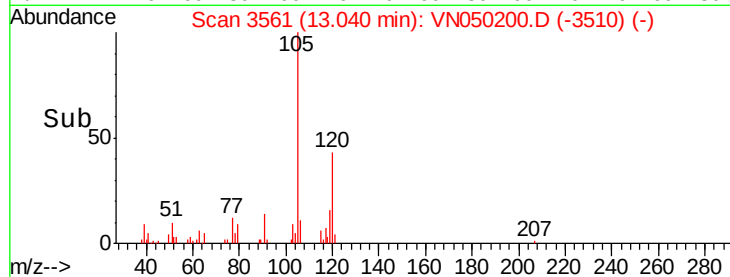
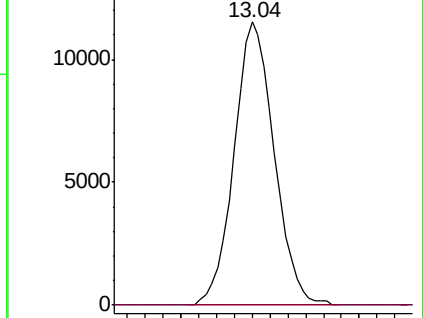
105 100

134 0.0 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.24 ug/l

RT: 13.90 min Scan# 3827

Delta R.T. 0.02 min

Lab File: VN050200.D

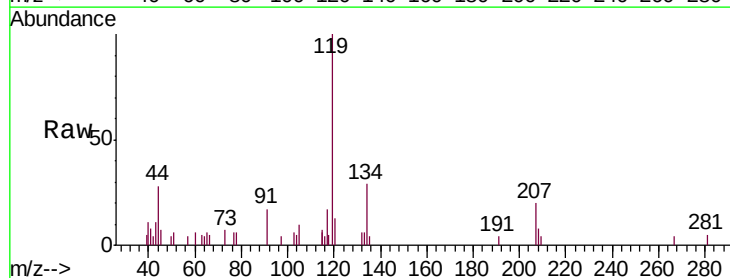
Acq: 30 Jul 2018 20:31

Tgt Ion:117 Resp: 1081

Ion Ratio Lower Upper

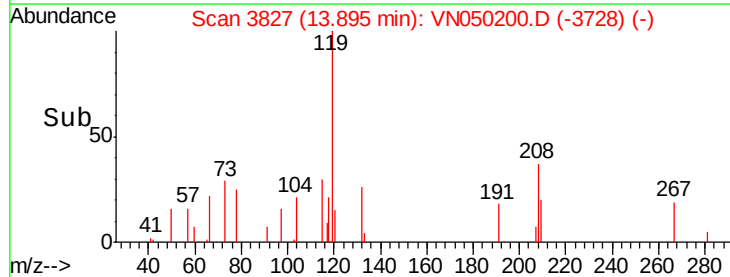
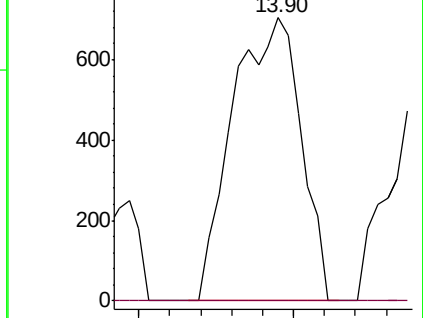
117 100

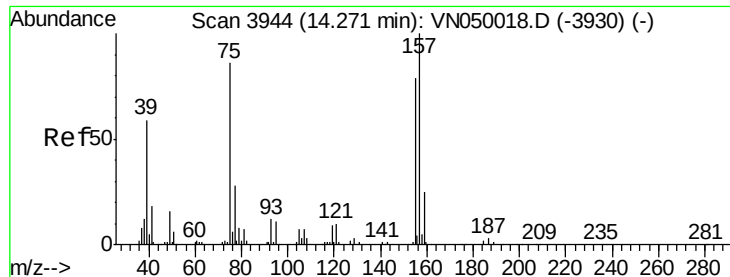
201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.48 min Scan# 4009

Delta R.T. 0.21 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

SOIL-2

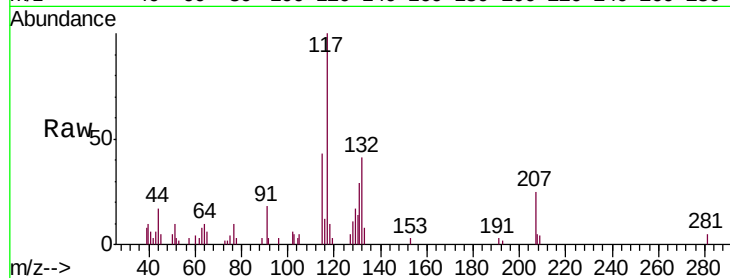
Tot Ion: 75 Resp: 232

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

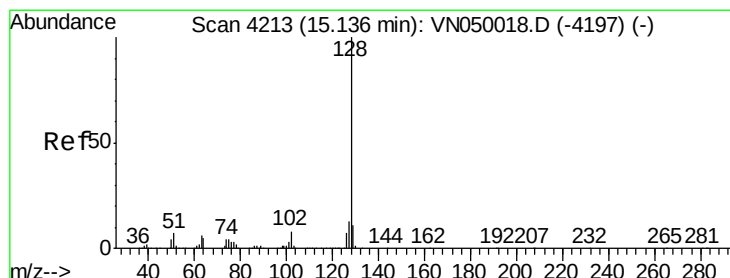
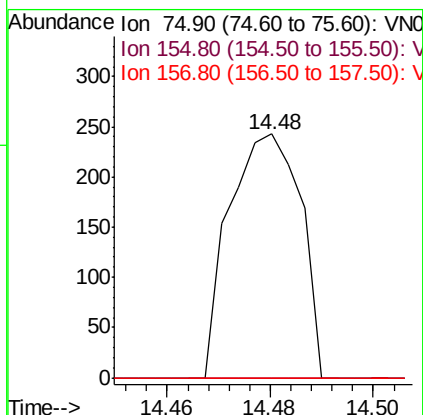
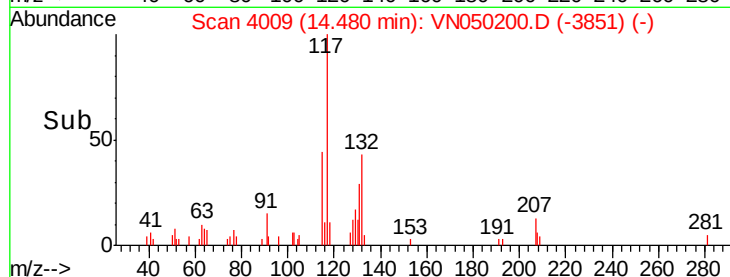
157 0.0 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN050018.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN050018.D (-3930) (-)



#95

Naphthalene

Concen: 15.67 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050200.D

Acq: 30 Jul 2018 20:31

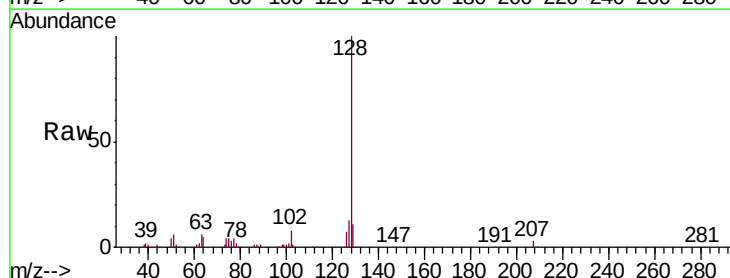
Tgt Ion: 128 Resp: 187105

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): VN050018.D (-4197) (-)

Ion 127.00 (126.70 to 127.70): VN050018.D (-4197) (-)

Ion 129.00 (128.70 to 129.70): VN050018.D (-4197) (-)

