

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049986.D
 Acq On : 21 Jul 2018 3:31
 Operator : MD\SY
 Sample : J4057-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LS-SOIL-4

Quant Time: Jul 21 05:19:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	571124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	949432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	792867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271180	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	411731	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
35) Dibromofluoromethane	7.59	113	363598	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	
50) Toluene-d8	10.09	98	1288785	44.38	ug/l	0.00
Spiked Amount			Recovery	=	88.76%	
62) 4-Bromofluorobenzene	12.40	95	338943	33.89	ug/l	0.00
Spiked Amount			Recovery	=	67.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.86	85	151	Below Cal	#	44
5) Bromomethane	2.58	94	1800	Below Cal	#	62
14) Allyl chloride	4.54	41	12386	1.27	ug/l	24
16) Acetone	3.83	43	16497	8.12	ug/l	91
17) Carbon Disulfide	4.05	76	6969	0.38	ug/l	92
18) Methyl Acetate	4.34	43	22079	2.68	ug/l	94
20) Methylene Chloride	4.55	84	344342	44.55	ug/l	99
25) 2-Butanone	6.84	43	3239	1.12	ug/l	94
30) Chloroform	7.37	83	10730	0.82	ug/l	91
31) Cyclohexane	7.67	56	11606	1.11	ug/l	# 2
38) Carbon Tetrachloride	7.67	117	52281	4.62	ug/l	# 17
43) Isopropyl Acetate	8.17	43	220628	17.42	ug/l	99
47) Bromodichloromethane	9.40	83	3659	0.33	ug/l	92
48) Methyl methacrylate	9.18	41	7509	1.18	ug/l	# 21
49) 1,4-Dioxane	9.20	88	110	1.22	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.99	43	2509	0.35	ug/l	# 72
56) Ethyl methacrylate	10.43	69	235	2.18	ug/l	# 1
59) 2-Hexanone	10.77	43	18549	3.90	ug/l	# 58
68) m/p-Xylenes	11.62	106	3018	0.25	ug/l	99
71) Bromoform	12.41	173	3271	0.59	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	165542	32.54	ug/l	# 100
78) n-propylbenzene	12.59	91	5134	0.22	ug/l	93
79) 2-Chlorotoluene	12.68	91	3954	0.27	ug/l	75
80) 1,3,5-Trimethylbenzene	12.73	105	4396	0.27	ug/l	83
81) trans-1,4-Dichloro-2-buten	12.40	75	165542	101.76	ug/l	# 13
82) 4-Chlorotoluene	12.68	91	3954	0.27	ug/l	76
84) 1,2,4-Trimethylbenzene	13.04	105	8968	0.54	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	2213	0.22	ug/l	92
88) 1,4-Dichlorobenzene	13.29	146	2213	0.22	ug/l	91
89) n-Butylbenzene	13.62	91	3931	0.29	ug/l	# 76
90) Hexachloroethane	13.89	117	1150	0.31	ug/l	# 4
91) 1,2-Dichlorobenzene	13.65	146	2460	0.25	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	200	0.21	ug/l	# 32
93) 1,2,4-Trichlorobenzene	14.91	180	3403	4.07	ug/l	# 84

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QLast Update : Thu Jul 19 01:58:39 2018
Response via : Initial Calibration

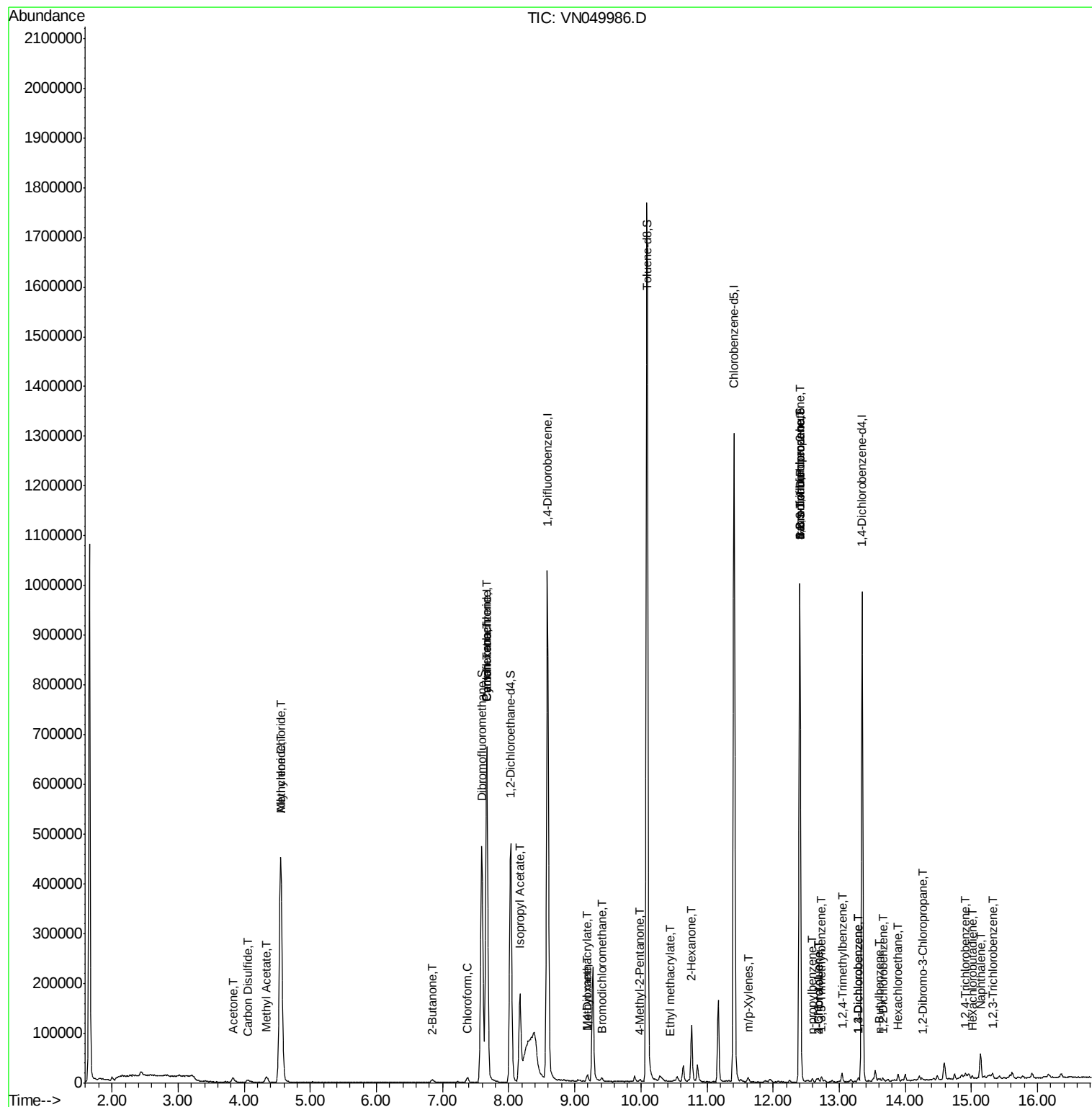
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	1413	0.44	ug/l	86
95) Naphthalene	15.14	128	42368	7.49	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	3976	0.85	ug/l #	88

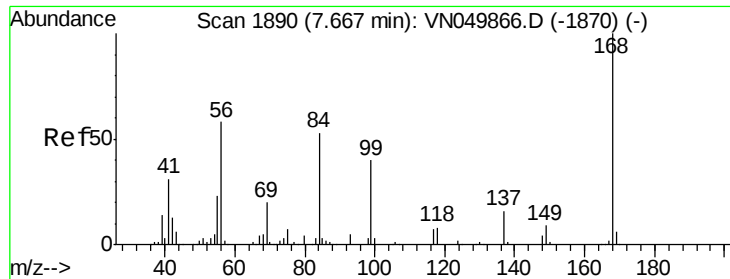
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampled :

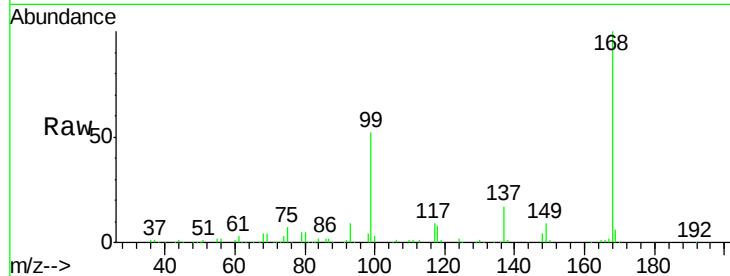
LS-SOIL-4

Tot Ion:168 Resp: 571124

Ion Ratio Lower Upper

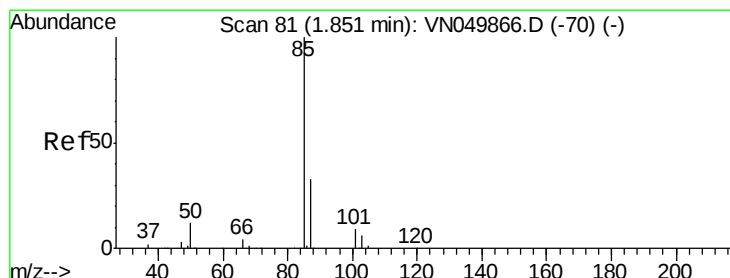
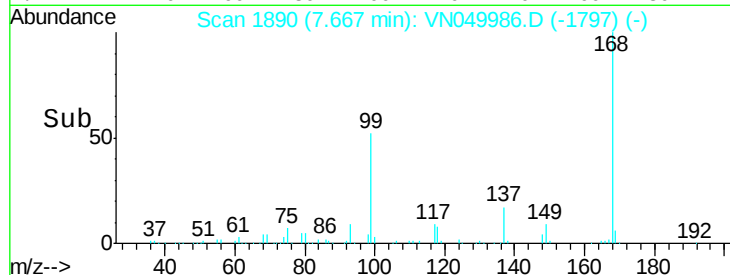
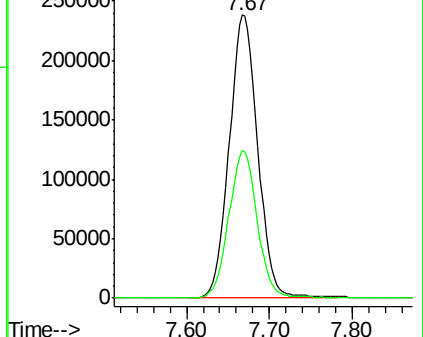
168 100

99 52.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.86 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN049986.D

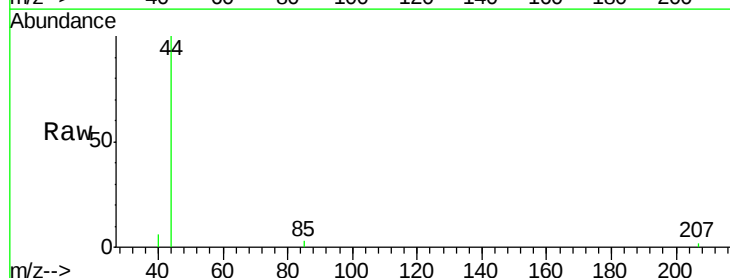
Acq: 21 Jul 2018 3:31

Tgt Ion: 85 Resp: 151

Ion Ratio Lower Upper

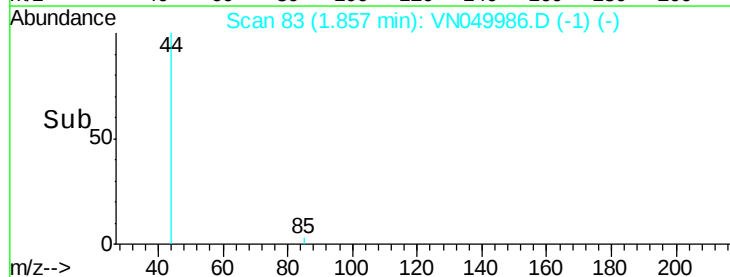
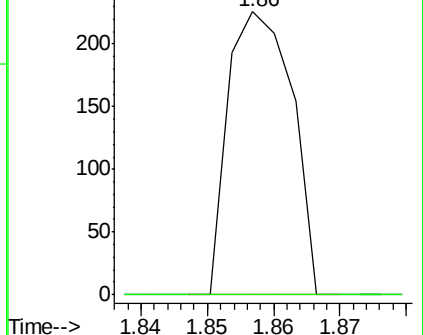
85 100

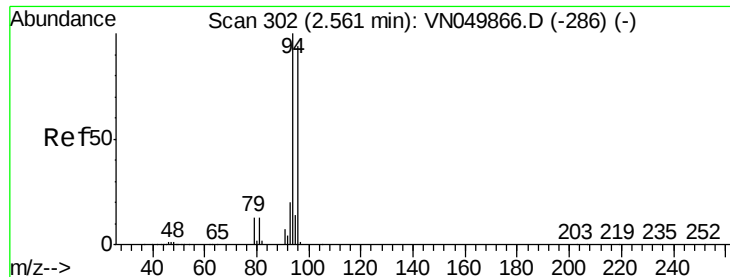
87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 307

Delta R.T. 0.02 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampleId :

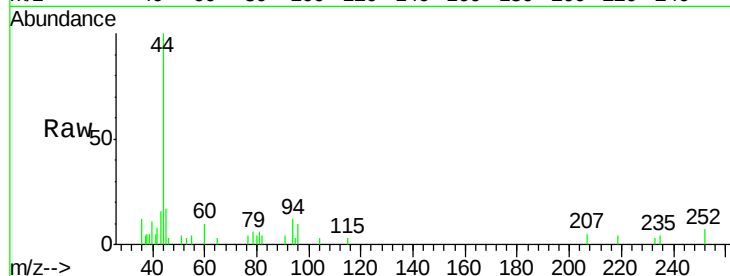
LS-SOIL-4

Tot Ion: 94 Resp: 1800

Ion Ratio Lower Upper

94 100

96 57.7 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

800

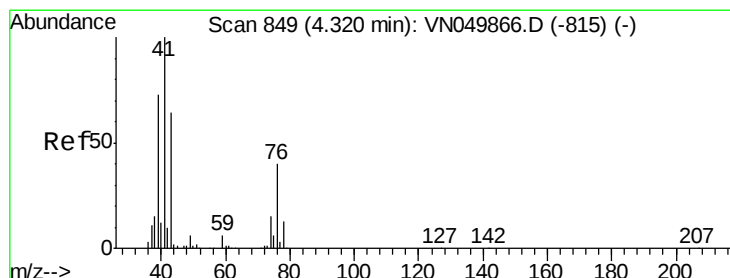
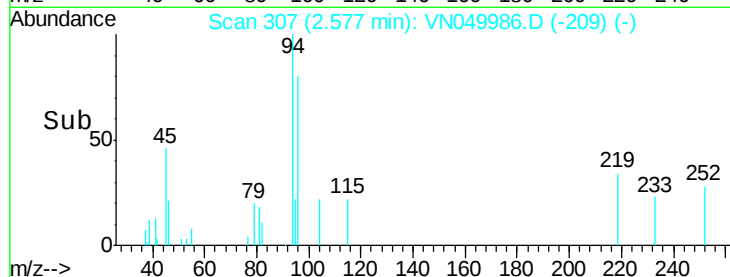
600

400

200

0

Time--> 2.50 2.55 2.60



#14

Allyl chloride

Concen: 1.27 ug/l

RT: 4.54 min Scan# 919

Delta R.T. 0.22 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

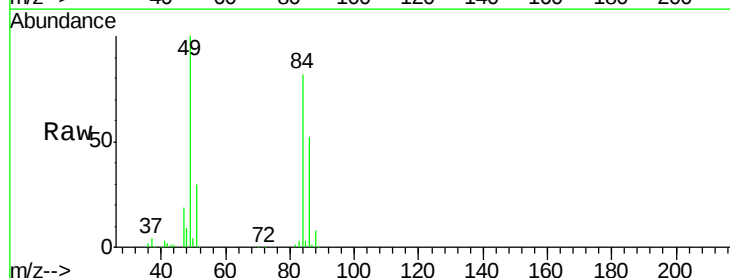
Tgt Ion: 41 Resp: 12386

Ion Ratio Lower Upper

41 100

39 0.0 53.2 79.8#

76 0.0 29.0 43.6#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

5000

4000

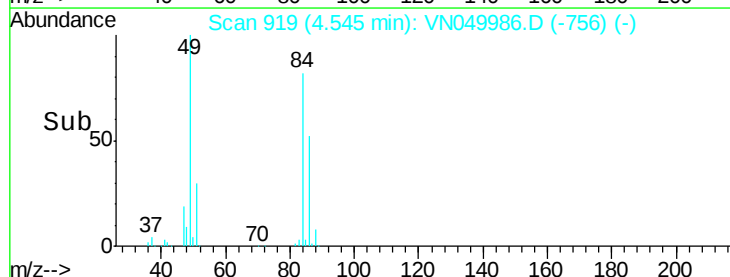
3000

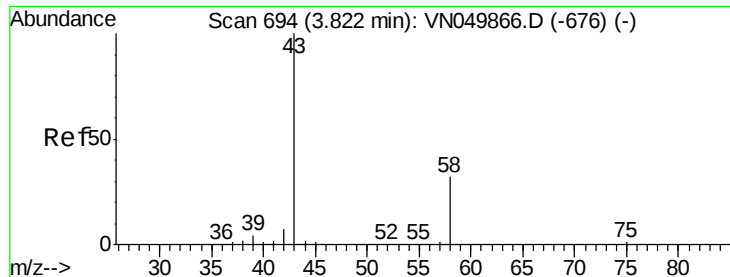
2000

1000

0

Time--> 4.45 4.50 4.55 4.60





#16

Acetone

Concen: 8.12 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampled :

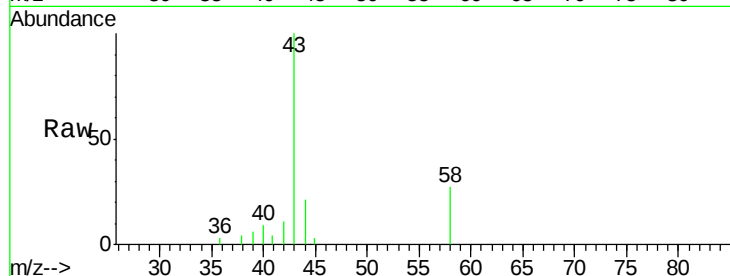
LS-SOIL-4

Tot Ion: 43 Resp: 16497

Ion Ratio Lower Upper

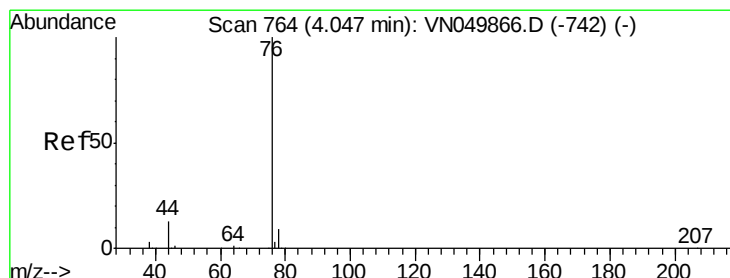
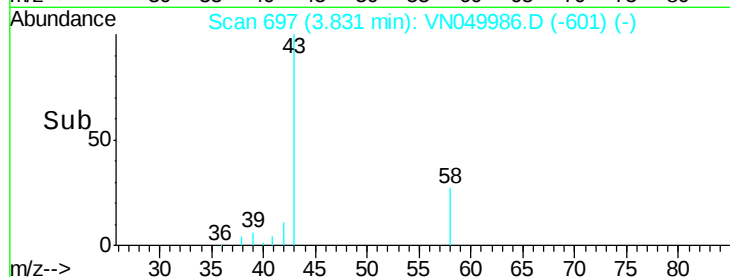
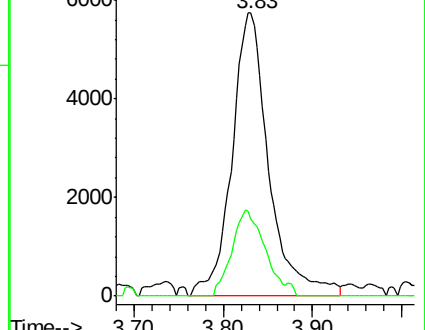
43 100

58 27.5 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049986.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049986.D (-601) (-)



#17

Carbon Disulfide

Concen: 0.38 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049986.D

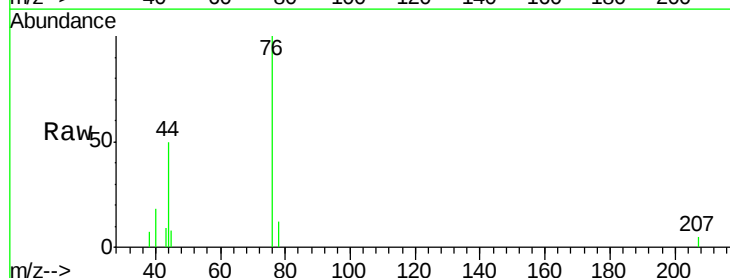
Acq: 21 Jul 2018 3:31

Tgt Ion: 76 Resp: 6969

Ion Ratio Lower Upper

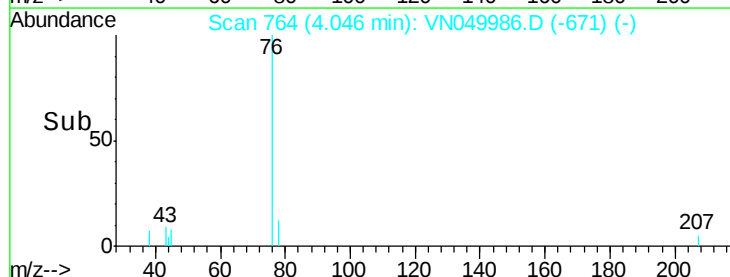
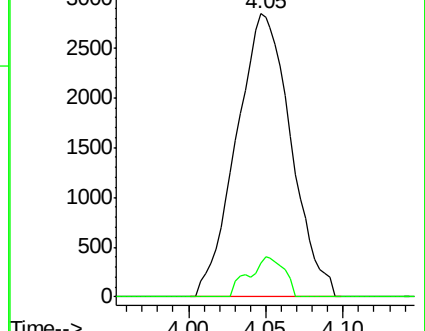
76 100

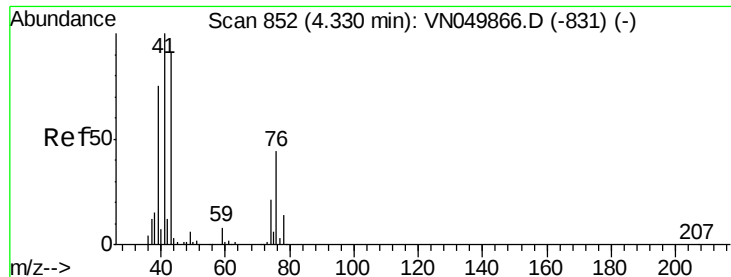
78 11.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN049986.D (-671) (-)

Ion 77.90 (77.60 to 78.60): VN049986.D (-671) (-)

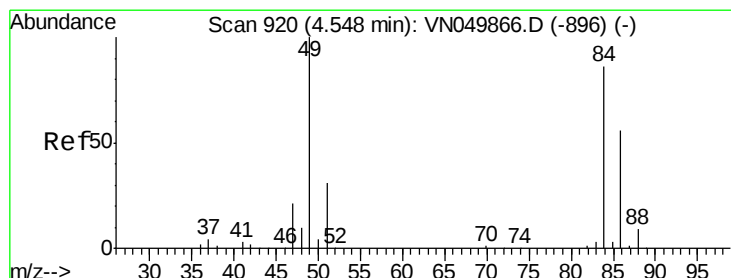
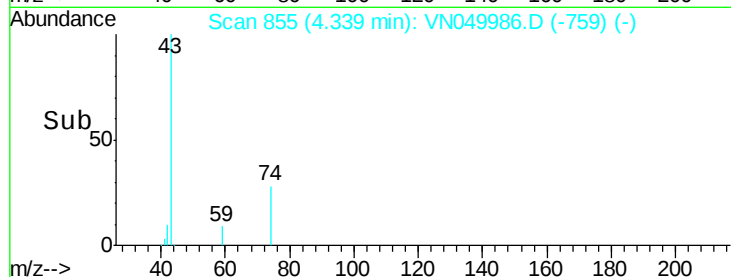
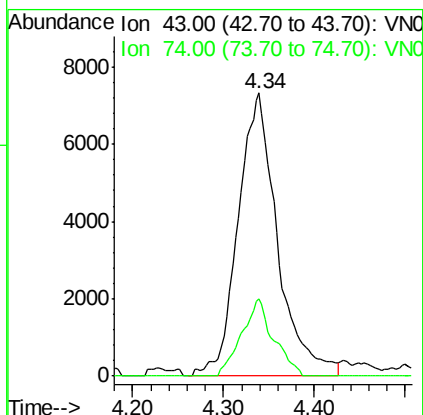
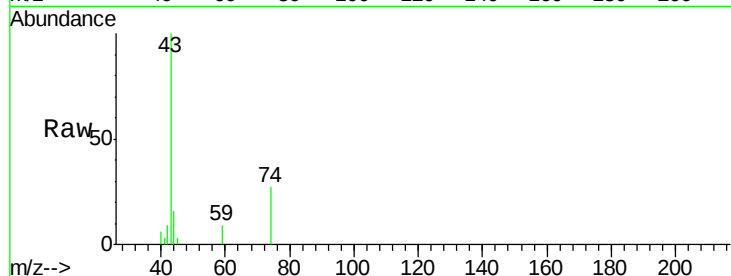




#18
Methyl Acetate
Concen: 2.68 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN049986.D
Acq: 21 Jul 2018 3:31

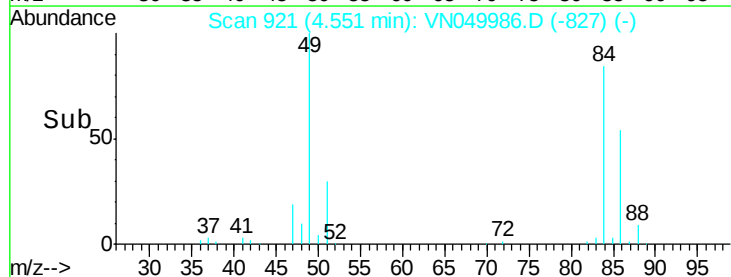
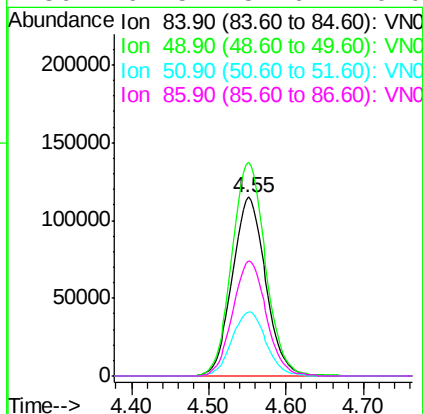
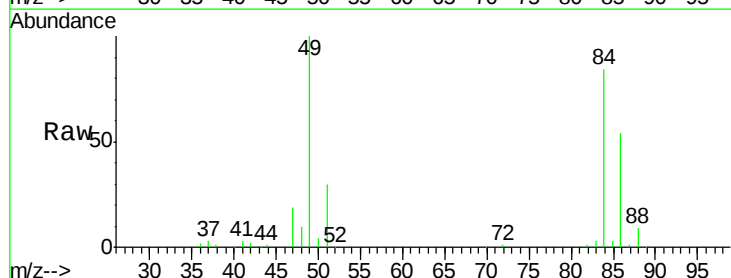
Instrument :
MSVOA_N
ClientSampleId :
LS-SOIL-4

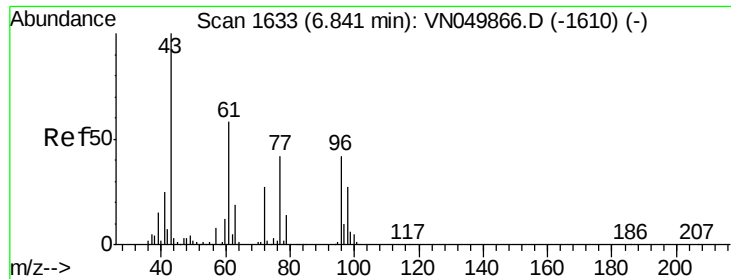
Tot Ion: 43 Resp: 22079
Ion Ratio Lower Upper
43 100
74 22.0 19.8 29.8



#20
Methylene Chloride
Concen: 44.55 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049986.D
Acq: 21 Jul 2018 3:31

Tgt Ion: 84 Resp: 344342
Ion Ratio Lower Upper
84 100
49 119.5 95.4 143.2
51 35.8 28.4 42.6
86 64.5 52.6 79.0

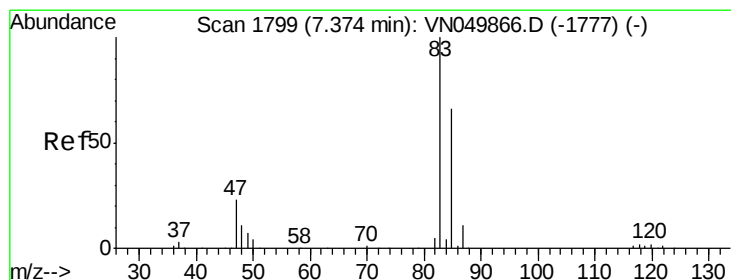
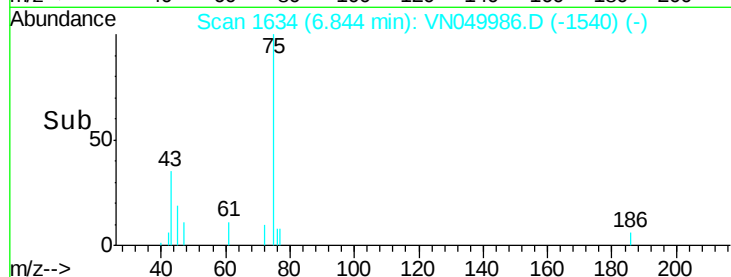
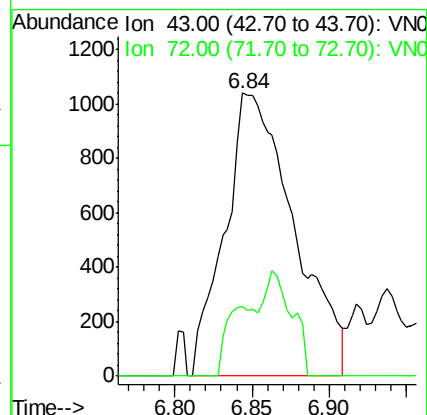
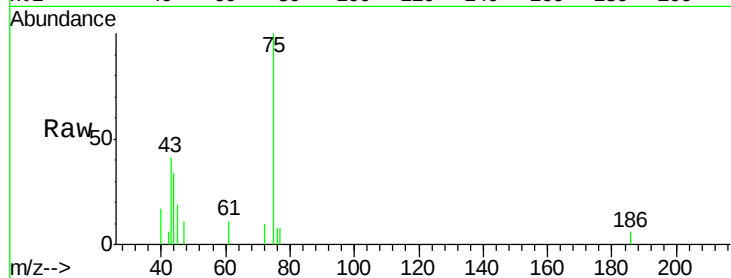




#25
2-Butanone
Concen: 1.12 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049986.D
Acq: 21 Jul 2018 3:31

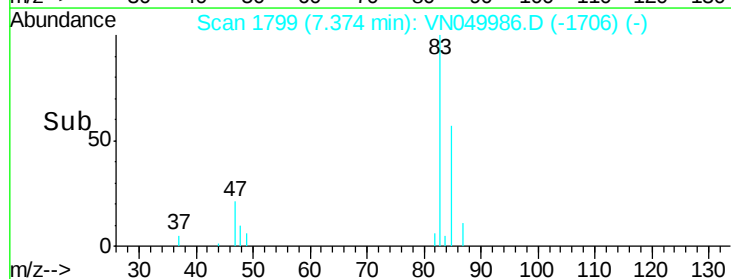
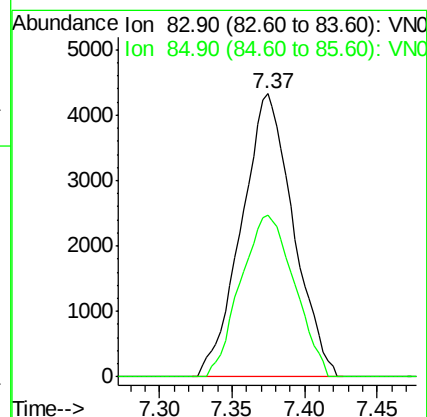
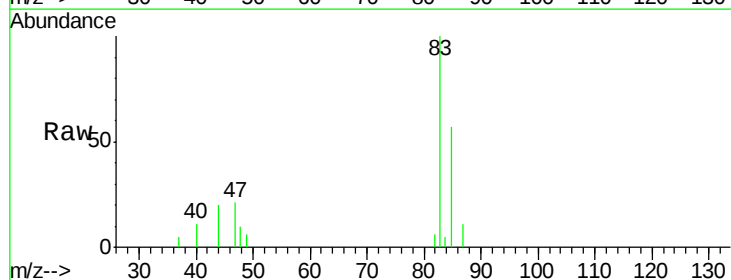
Instrument :
MSVOA_N
ClientSampled :
LS-SOIL-4

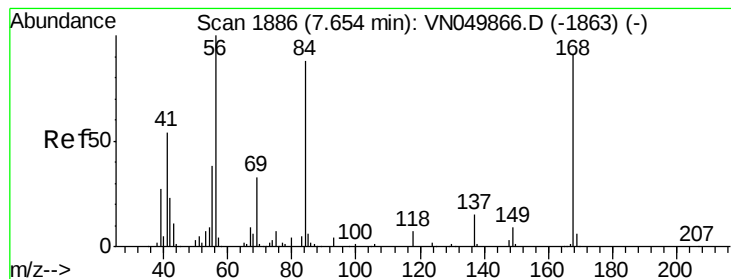
Tot Ion: 43 Resp: 3239
Ion Ratio Lower Upper
43 100
72 24.7 22.1 33.1



#30
Chloroform
Concen: 0.82 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049986.D
Acq: 21 Jul 2018 3:31

Tgt Ion: 83 Resp: 10730
Ion Ratio Lower Upper
83 100
85 57.2 51.4 77.2





#31

Cyclohexane

Concen: 1.11 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampleId :

LS-SOIL-4

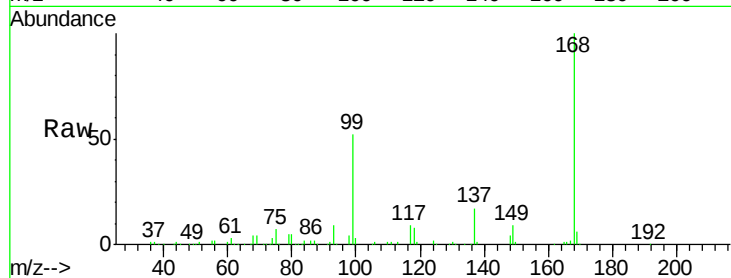
Tot Ion: 56 Resp: 11606

Ion Ratio Lower Upper

56 100

69 185.1 26.6 40.0#

84 116.8 69.0 103.6#

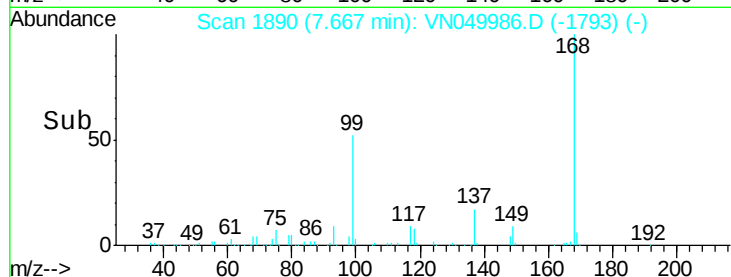


Abundance Ion 56.00 (55.70 to 56.70): VN049986.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN049986.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN049986.D (-1863) (-)

Time-->

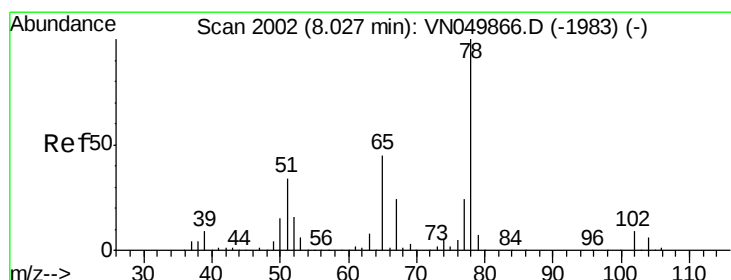


Abundance Ion 56.00 (55.70 to 56.70): VN049986.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049986.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049986.D (-1793) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.45 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049986.D

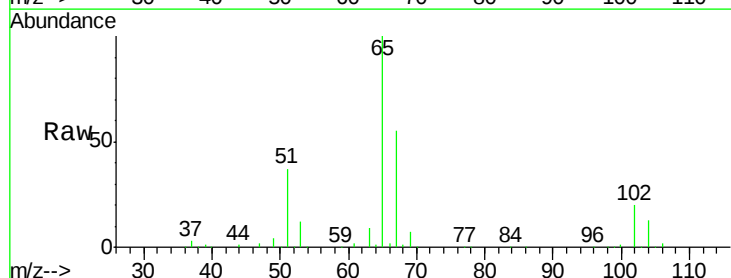
Acq: 21 Jul 2018 3:31

Tgt Ion: 65 Resp: 411731

Ion Ratio Lower Upper

65 100

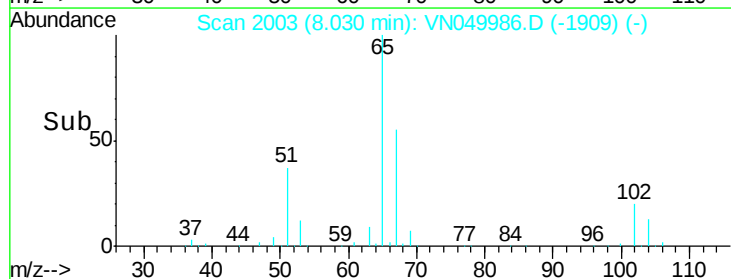
67 53.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049986.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN049986.D (-1983) (-)

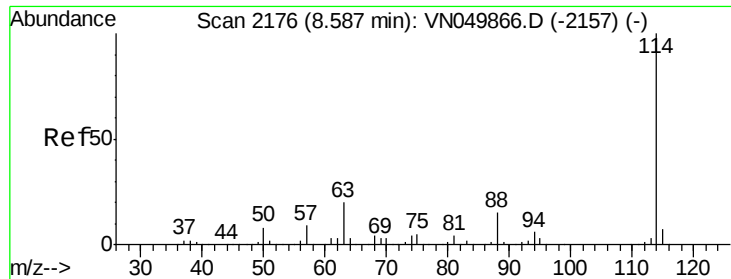
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN049986.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049986.D (-1909) (-)

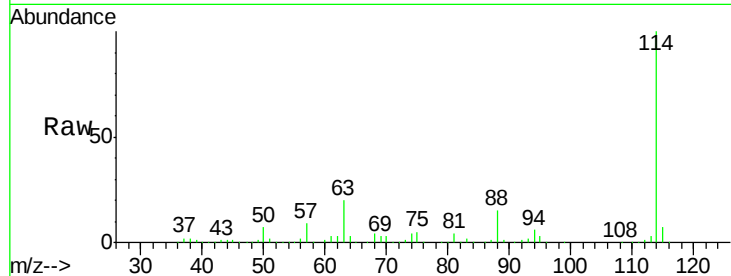
Time-->



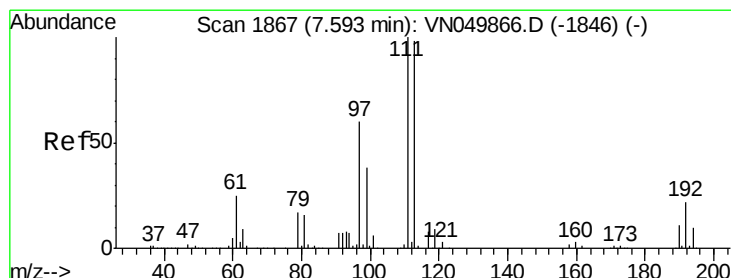
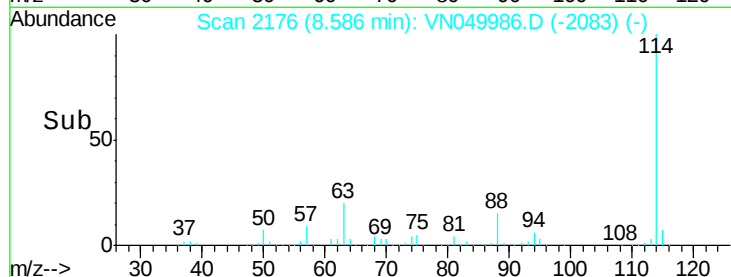
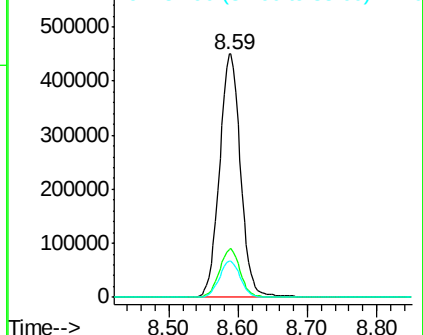
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049986.D
 Acq: 21 Jul 2018 3:31

Instrument :
 MSVOA_N
 ClientSampleId :
 LS-SOIL-4

Tot Ion:114 Resp: 949432
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.0 0.0 30.6

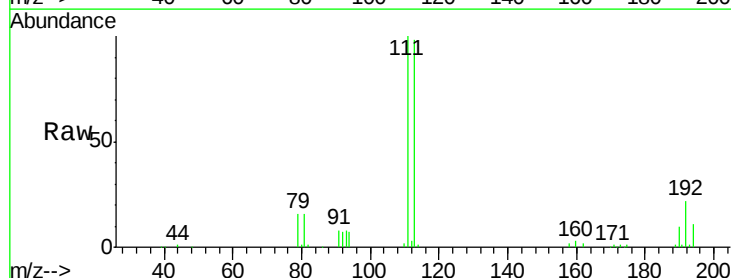


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

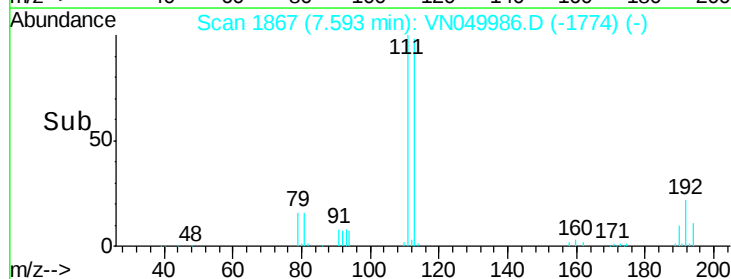
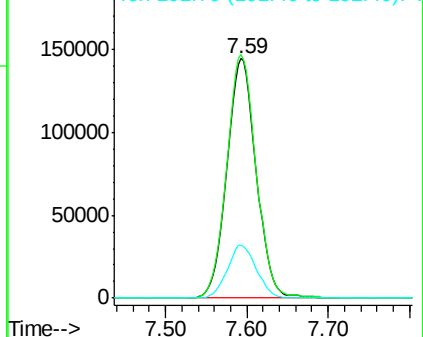


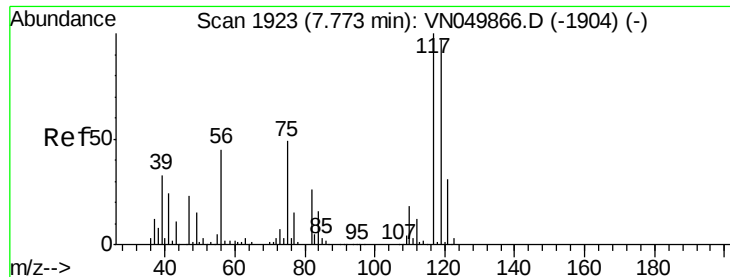
#35
 Dibromofluoromethane
 Concen: 45.62 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049986.D
 Acq: 21 Jul 2018 3:31

Tgt Ion:113 Resp: 363598
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.8 122.8
 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

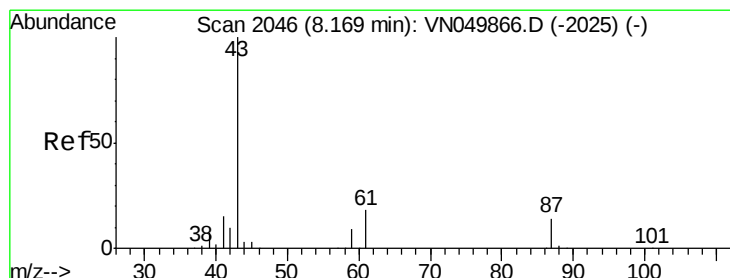
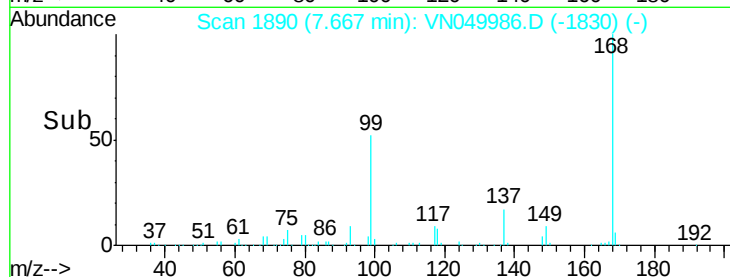
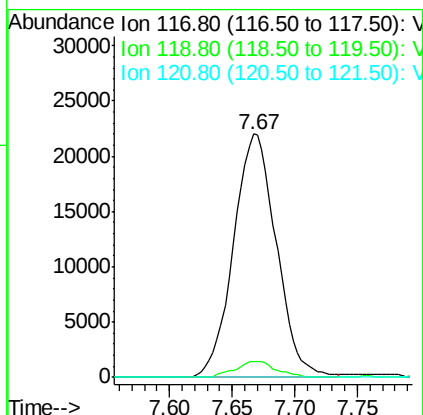
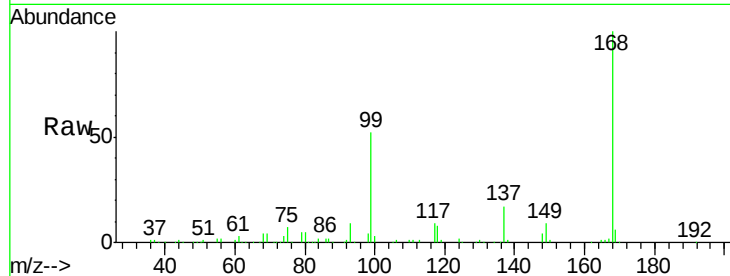




#38
Carbon Tetrachloride
Concen: 4.62 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049986.D
Acq: 21 Jul 2018 3:31

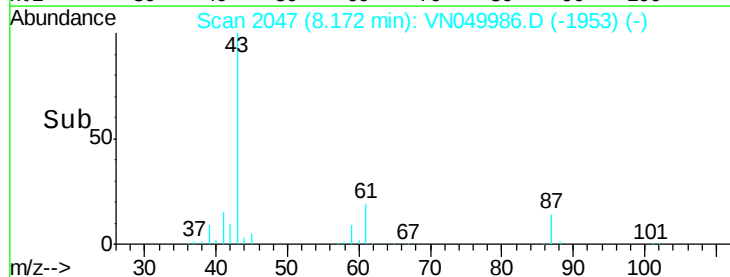
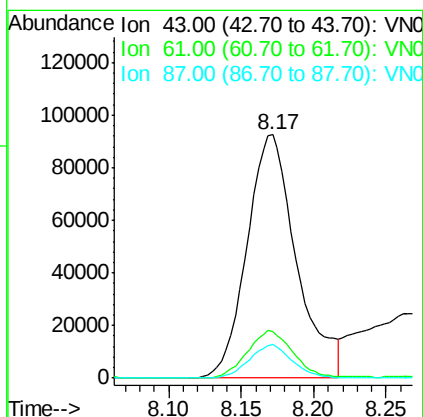
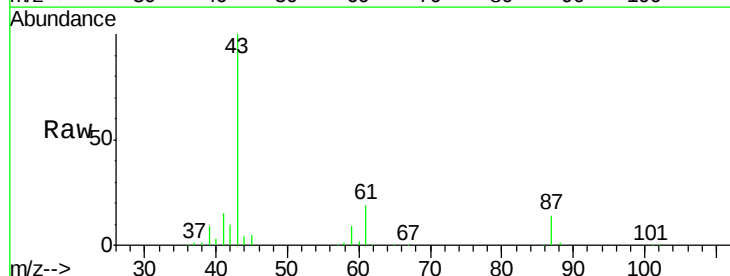
Instrument :
MSVOA_N
ClientSampleId :
LS-SOIL-4

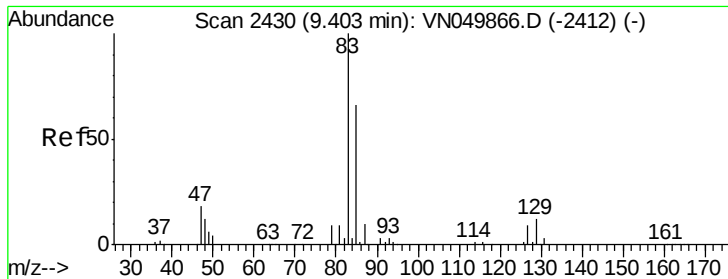
Tot Ion:117 Resp: 52281
Ion Ratio Lower Upper
117 100
119 6.6 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 17.42 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN049986.D
Acq: 21 Jul 2018 3:31

Tgt Ion: 43 Resp: 220628
Ion Ratio Lower Upper
43 100
61 18.2 14.9 22.3
87 12.0 10.0 15.0





#47

Bromodichloromethane

Concen: 0.33 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampleId :

LS-SOIL-4

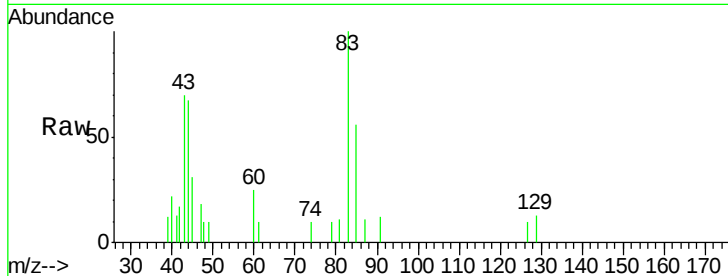
Tot Ion: 83 Resp: 3659

Ion Ratio Lower Upper

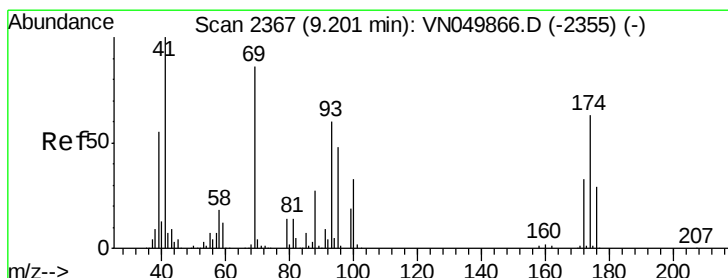
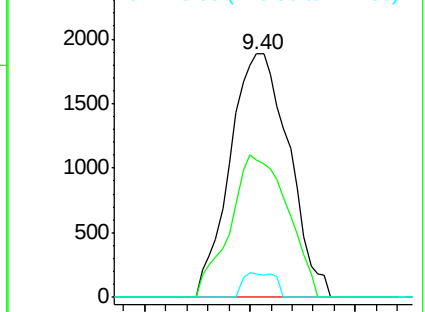
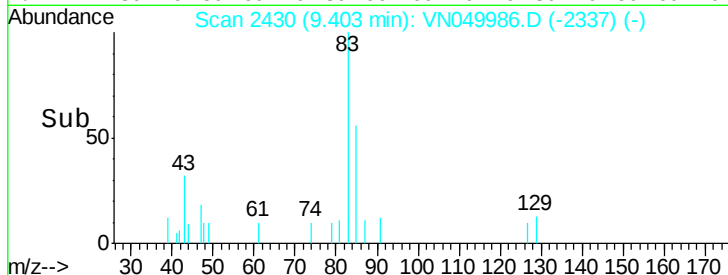
83 100

85 56.5 50.5 75.7

127 9.7 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049986.D (-2337) (-)



#48

Methyl methacrylate

Concen: 1.18 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

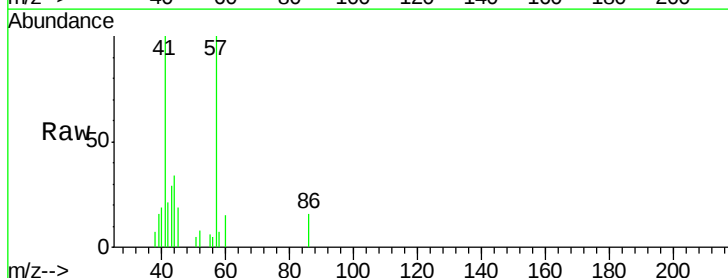
Tgt Ion: 41 Resp: 7509

Ion Ratio Lower Upper

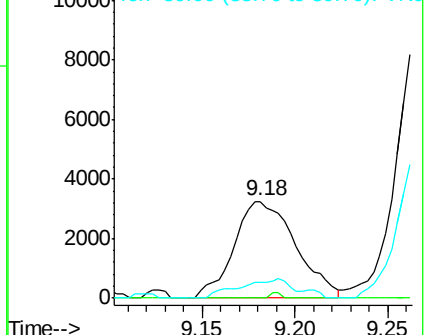
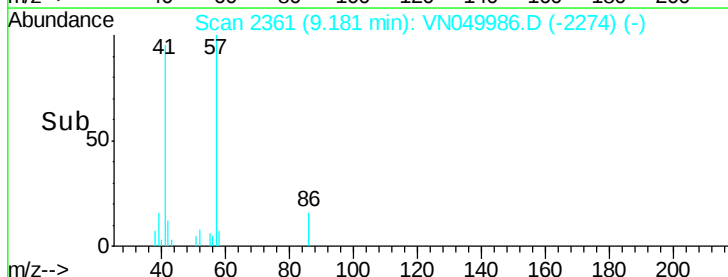
41 100

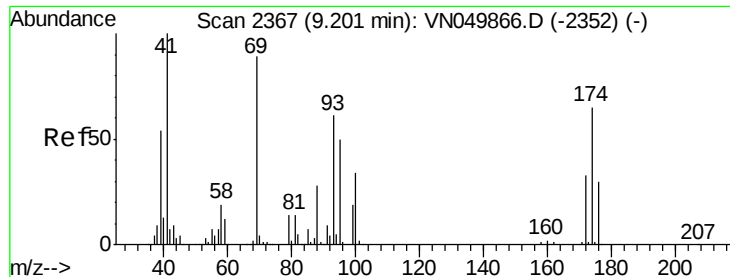
69 0.9 71.5 107.3#

39 16.4 44.7 67.1#



Abundance Ion 41.00 (40.70 to 41.70): VN049986.D (-2274) (-)





#49

1,4-Dioxane

Concen: 1.22 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampled :

LS-SOIL-4

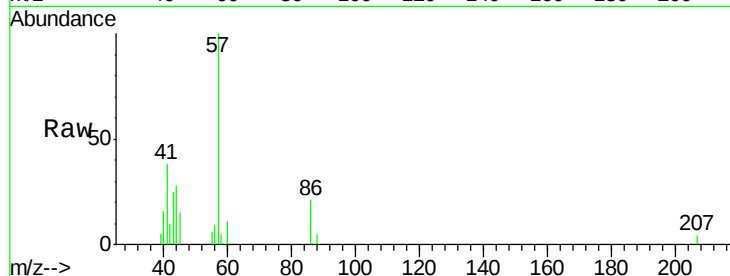
Tot Ion: 88 Resp: 110

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

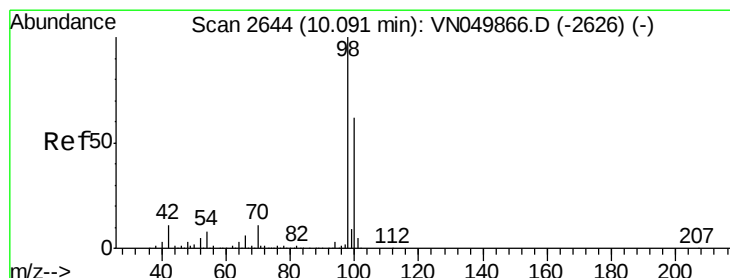
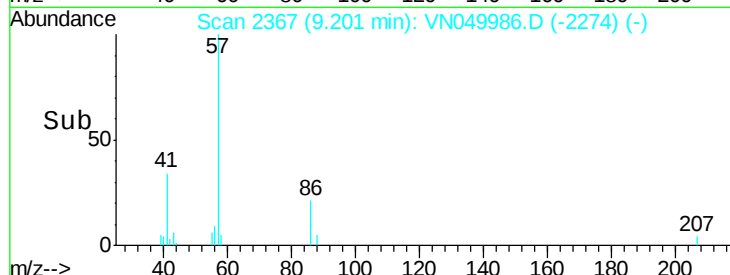
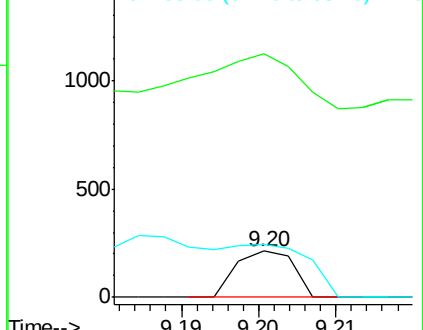
58 284.5 52.5 78.7#



Abundance Ion 88.00 (87.70 to 88.70): VN049986.D (-2274) (-)

Ion 43.00 (42.70 to 43.70): VN049986.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN049986.D (-2274) (-)



#50

Toluene-d8

Concen: 44.38 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049986.D

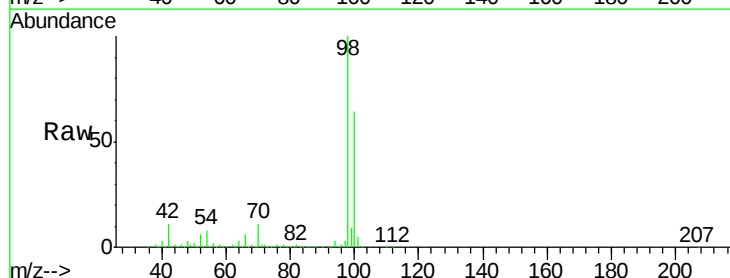
Acq: 21 Jul 2018 3:31

Tgt Ion: 98 Resp: 1288785

Ion Ratio Lower Upper

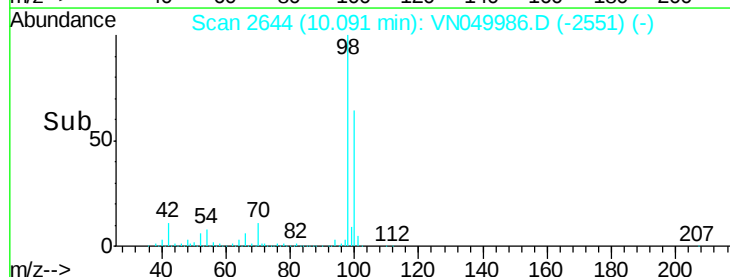
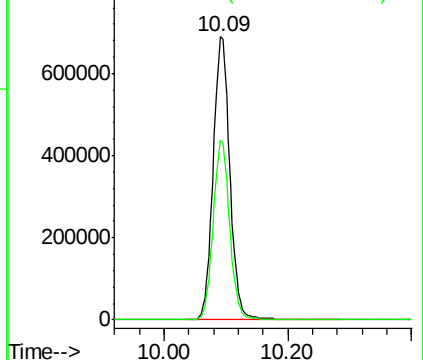
98 100

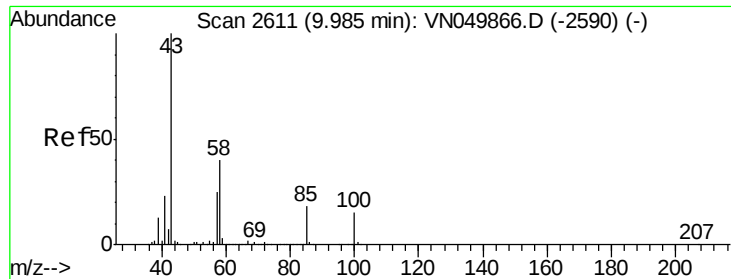
100 62.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049986.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049986.D (-2551) (-)

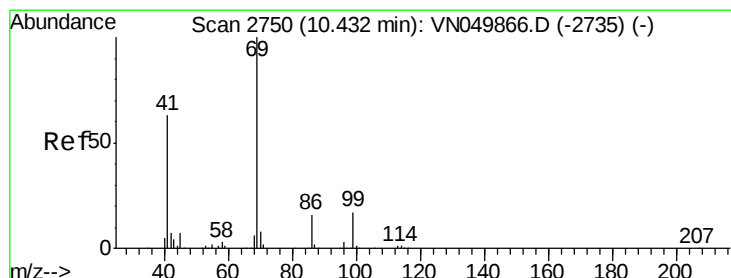
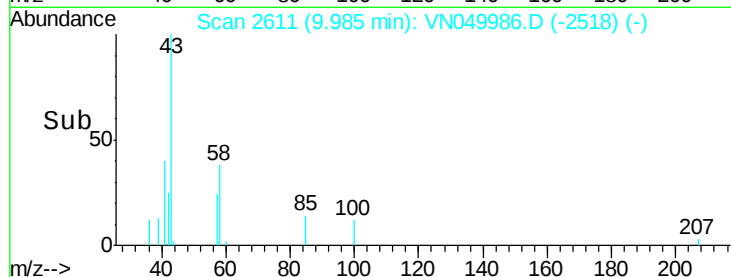
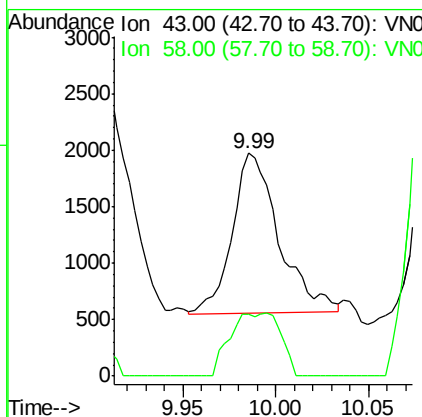
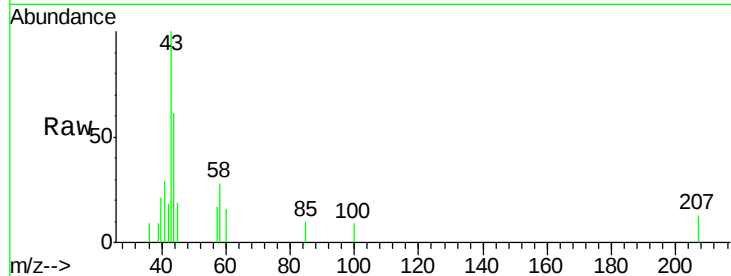




#51
 4-Methyl-2-Pentanone
 Concen: 0.35 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049986.D
 Acq: 21 Jul 2018 3:31

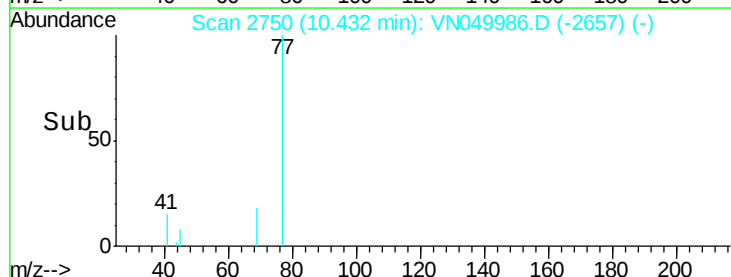
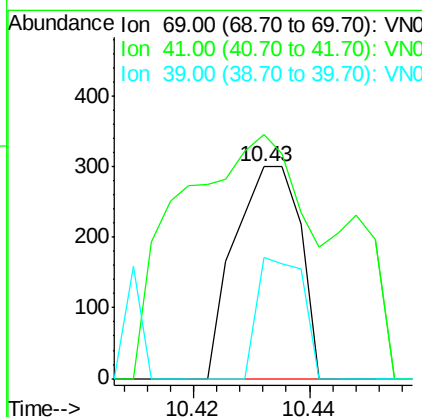
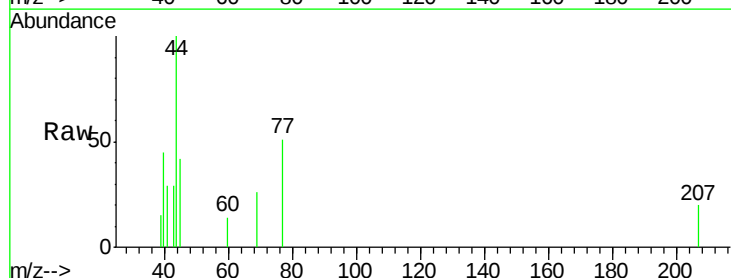
Instrument :
 MSVOA_N
 ClientSampled :
 LS-SOIL-4

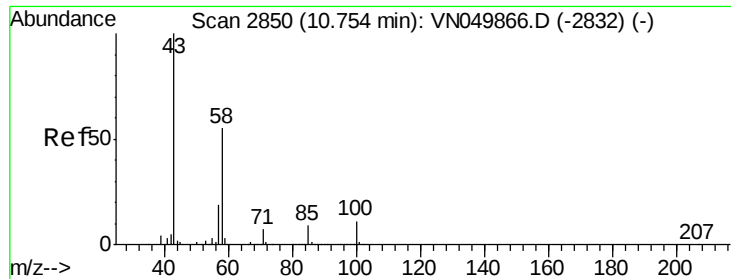
Tot Ion: 43 Resp: 2509
 Ion Ratio Lower Upper
 43 100
 58 22.5 31.8 47.8#



#56
 Ethyl methacrylate
 Concen: 2.18 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049986.D
 Acq: 21 Jul 2018 3:31

Tgt Ion: 69 Resp: 235
 Ion Ratio Lower Upper
 69 100
 41 220.4 51.6 77.4#
 39 40.0 25.8 38.8#





#59

2-Hexanone

Concen: 3.90 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampled :

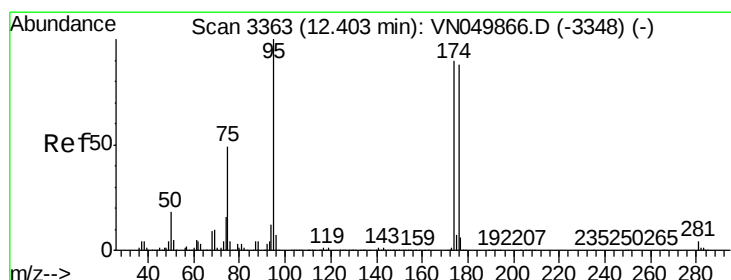
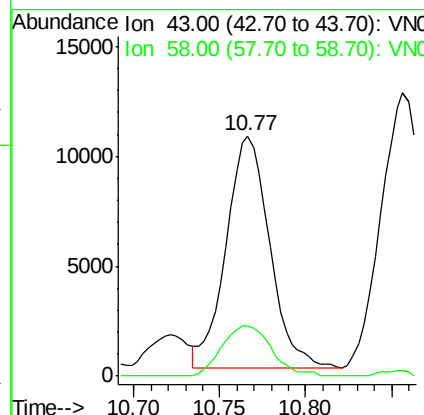
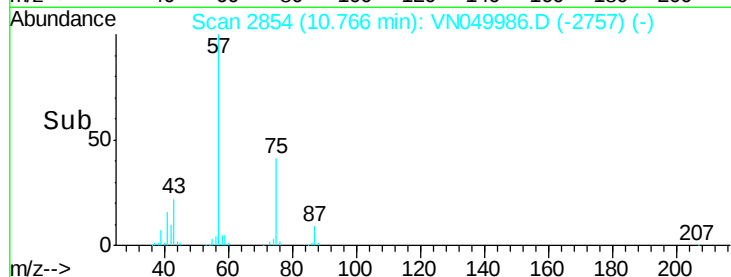
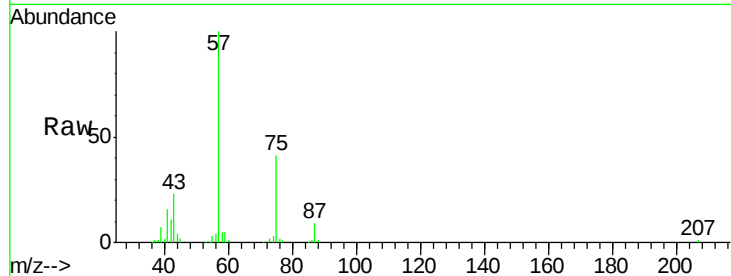
LS-SOIL-4

Tot Ion: 43 Resp: 18549

Ion Ratio Lower Upper

43 100

58 24.9 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 33.89 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

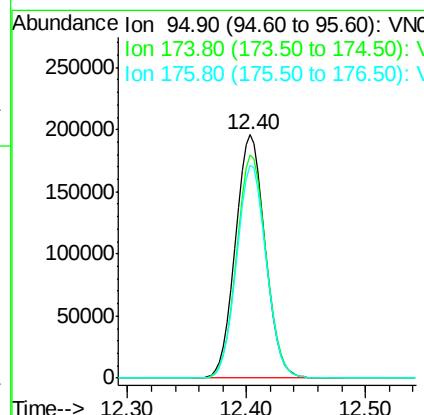
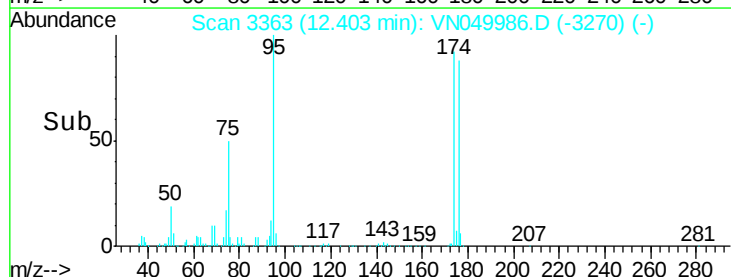
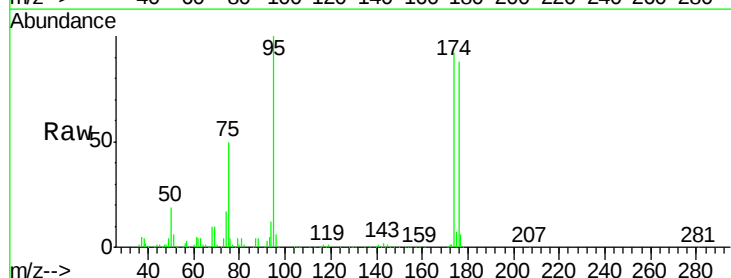
Tgt Ion: 95 Resp: 338943

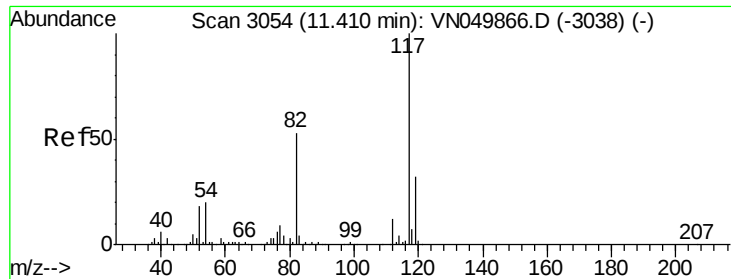
Ion Ratio Lower Upper

95 100

174 91.8 0.0 179.6

176 87.1 0.0 174.0

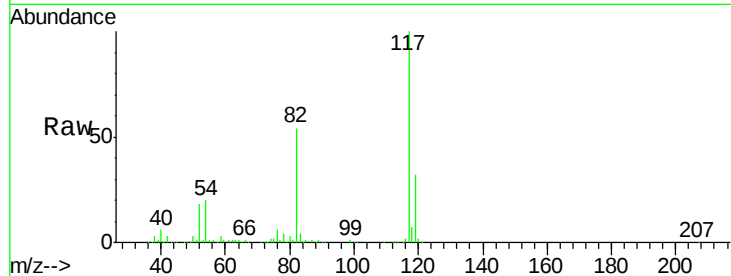




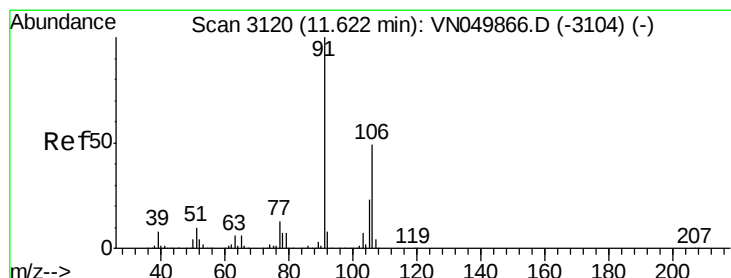
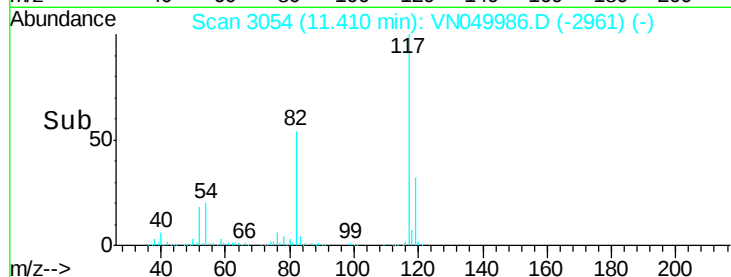
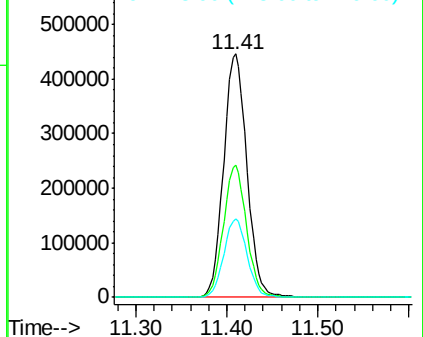
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049986.D
Acq: 21 Jul 2018 3:31

Instrument :
MSVOA_N
ClientSampled :
LS-SOIL-4

Tot Ion:117 Resp: 792867
Ion Ratio Lower Upper
117 100
82 54.3 41.9 62.9
119 32.3 25.4 38.2

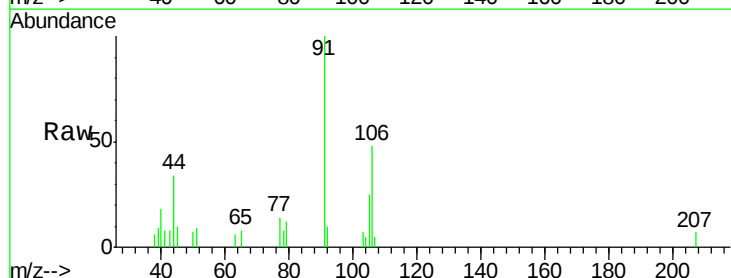


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

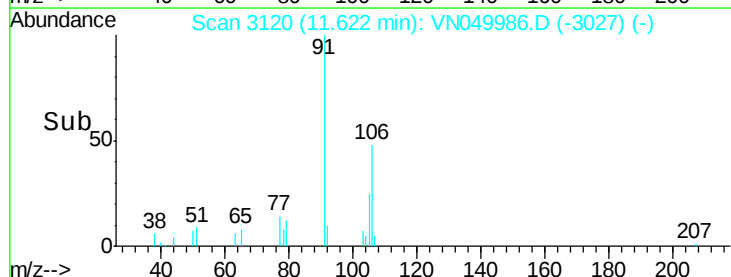
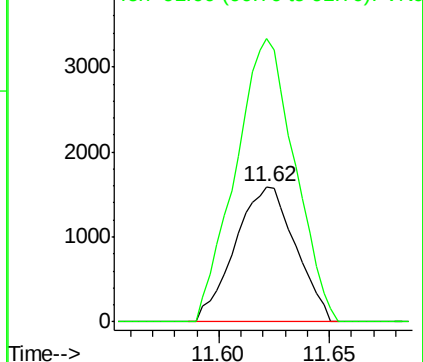


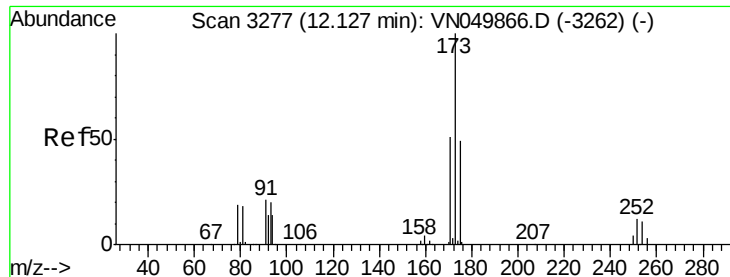
#68
m/p-Xylenes
Concen: 0.25 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049986.D
Acq: 21 Jul 2018 3:31

Tgt Ion:106 Resp: 3018
Ion Ratio Lower Upper
106 100
91 205.1 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.59 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampled :

LS-SOIL-4

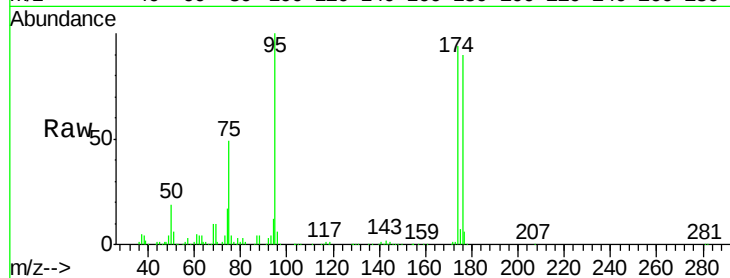
Tot Ion:173 Resp: 3271

Ion Ratio Lower Upper

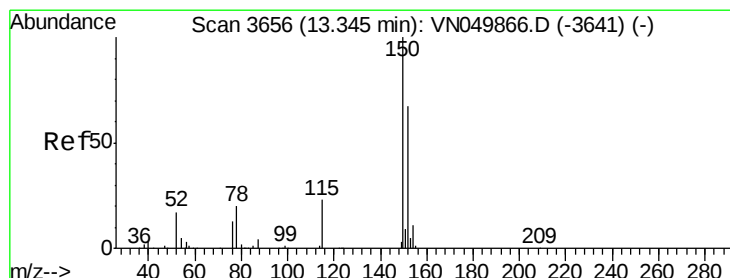
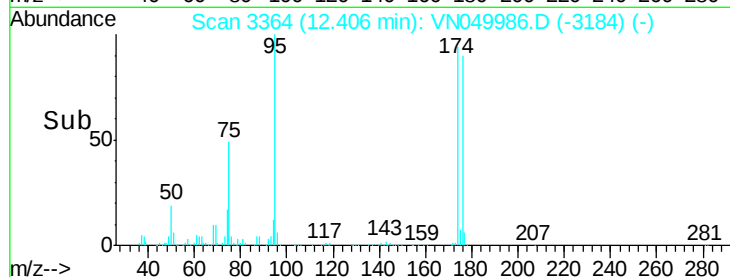
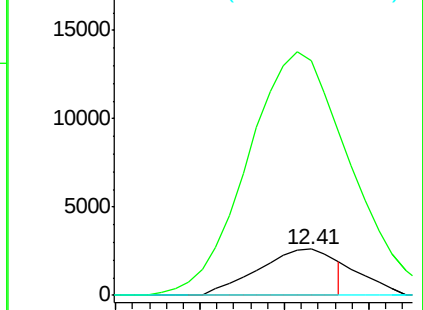
173 100

175 584.0 24.6 73.8#

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: VN049986.D

Acq: 21 Jul 2018 3:31

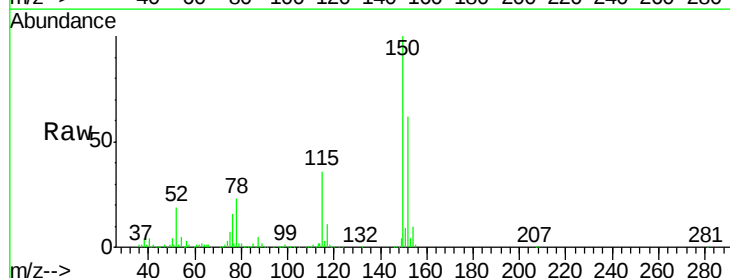
Tgt Ion:152 Resp: 271180

Ion Ratio Lower Upper

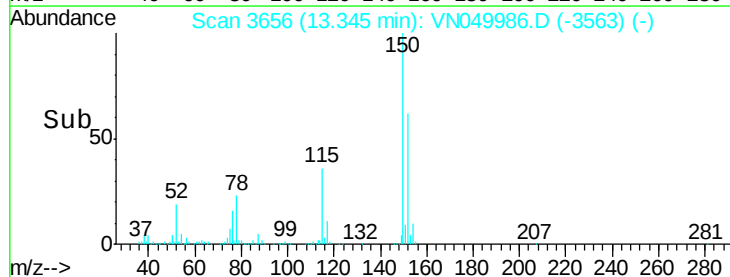
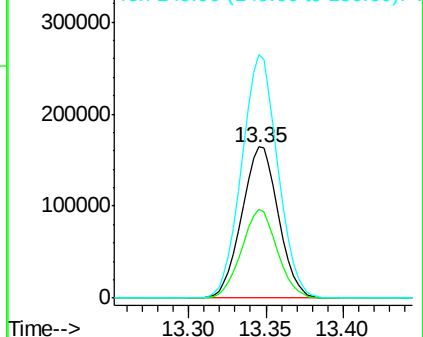
152 100

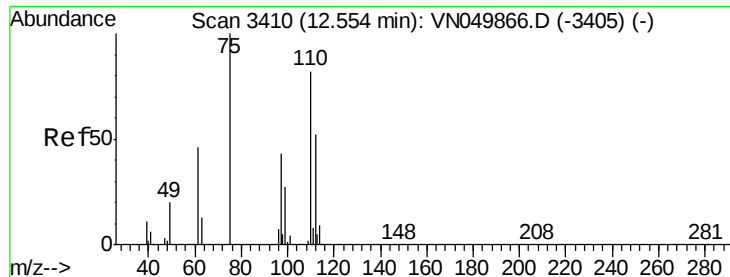
115 57.1 28.1 84.2

150 158.7 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





#76

1,2,3-Trichloropropane

Concen: 32.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampled :

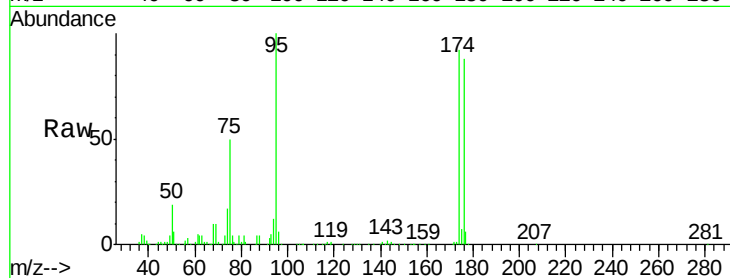
LS-SOIL-4

Tot Ion: 75 Resp: 165542

Ion Ratio Lower Upper

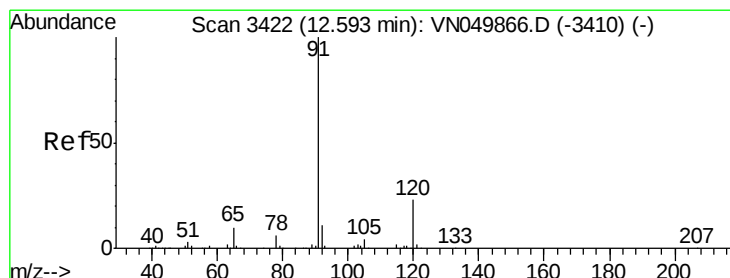
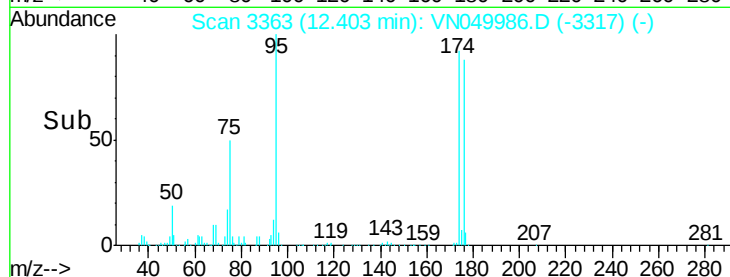
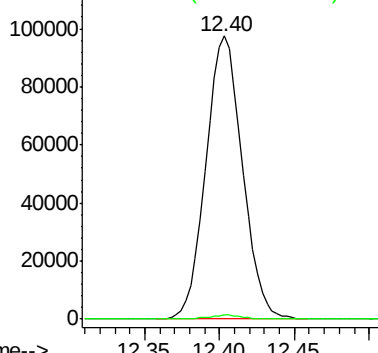
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.22 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049986.D

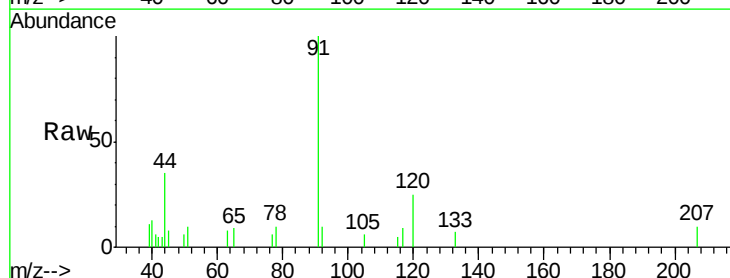
Acq: 21 Jul 2018 3:31

Tgt Ion: 91 Resp: 5134

Ion Ratio Lower Upper

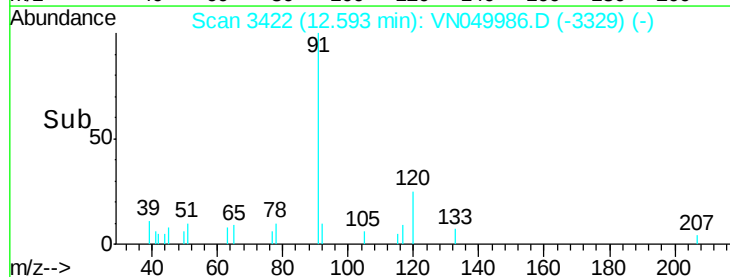
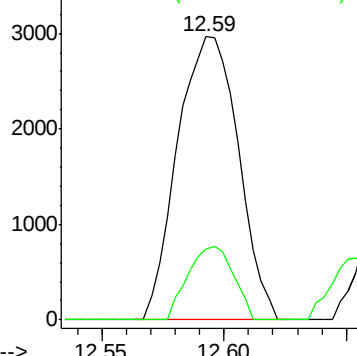
91 100

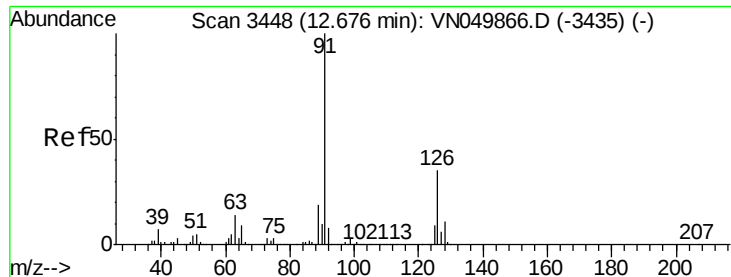
120 19.4 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.27 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. 0.00 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampled :

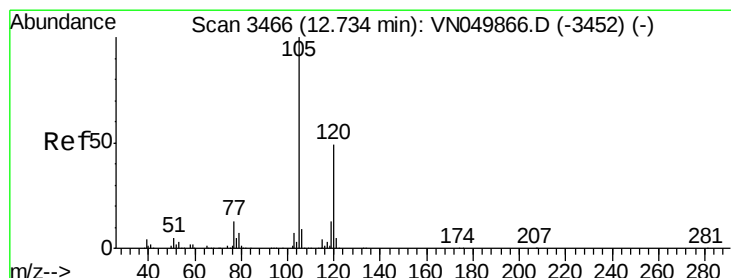
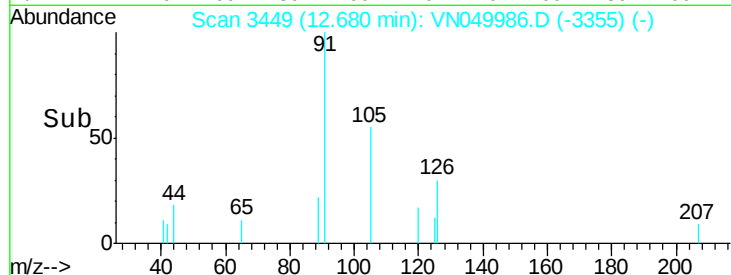
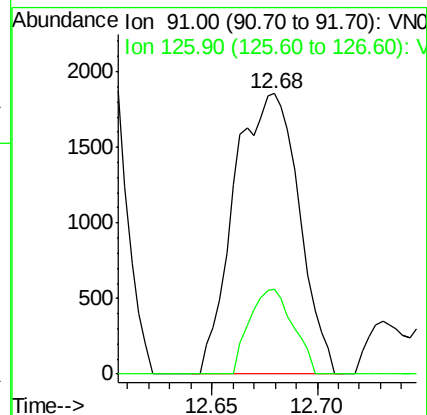
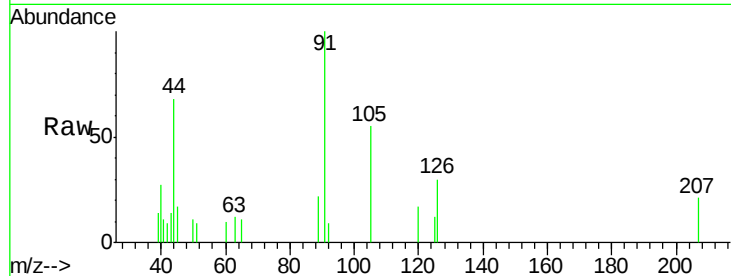
LS-SOIL-4

Tot Ion: 91 Resp: 3954

Ion Ratio Lower Upper

91 100

126 20.3 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 0.27 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049986.D

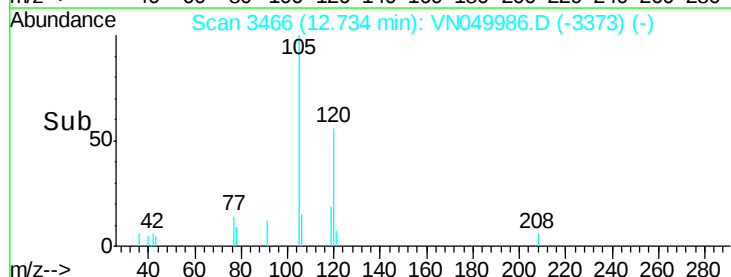
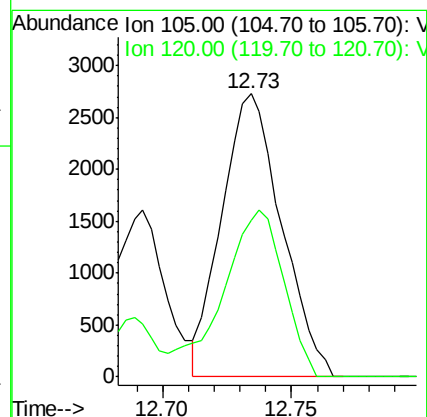
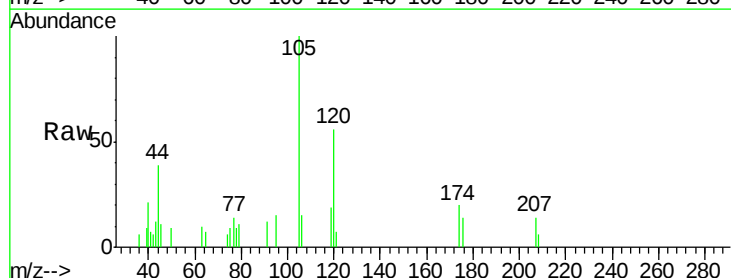
Acq: 21 Jul 2018 3:31

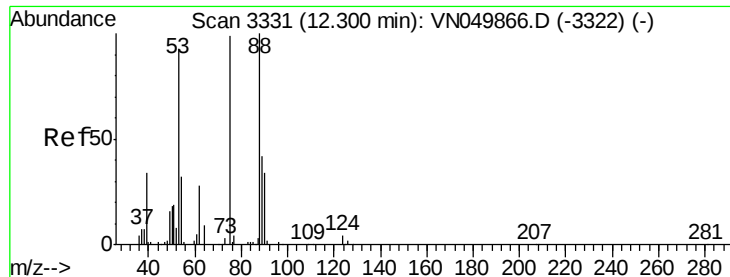
Tgt Ion: 105 Resp: 4396

Ion Ratio Lower Upper

105 100

120 60.0 24.3 72.8

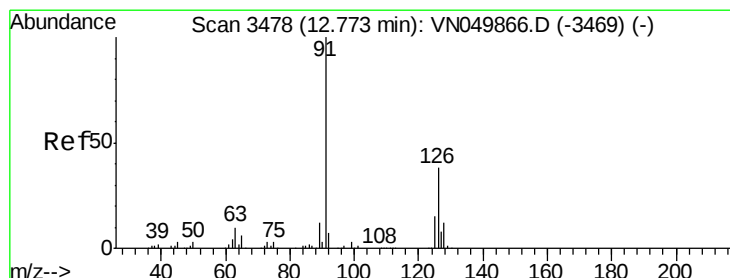
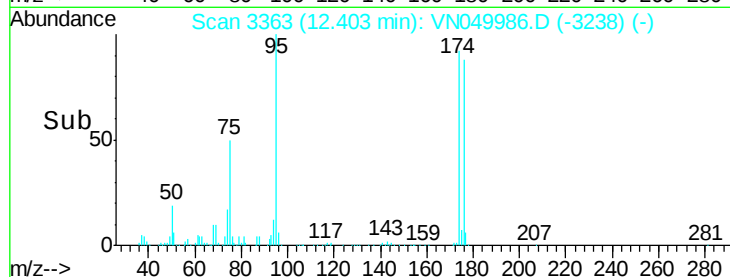
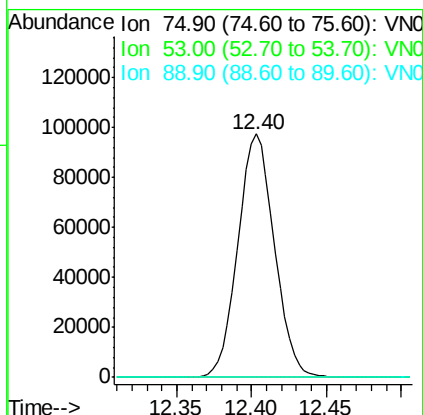
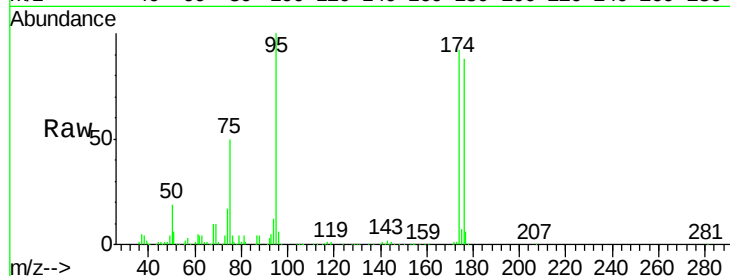




#81
trans-1,4-Dichloro-2-butene
Concen: 101.76 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN049986.D
Acq: 21 Jul 2018 3:31

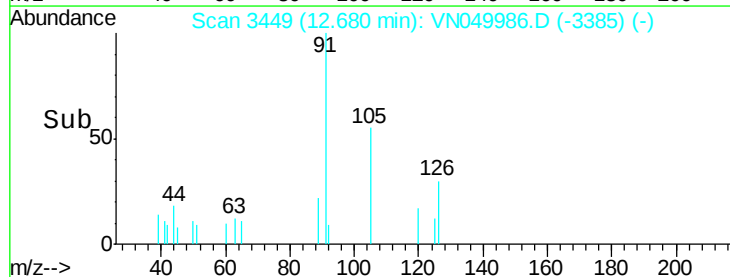
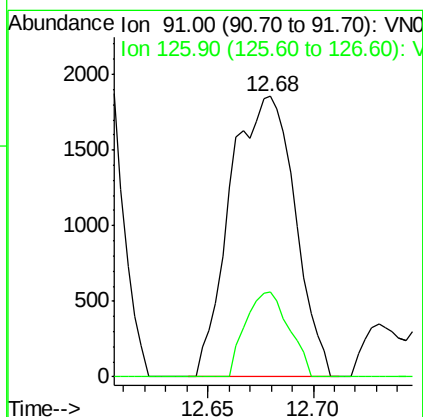
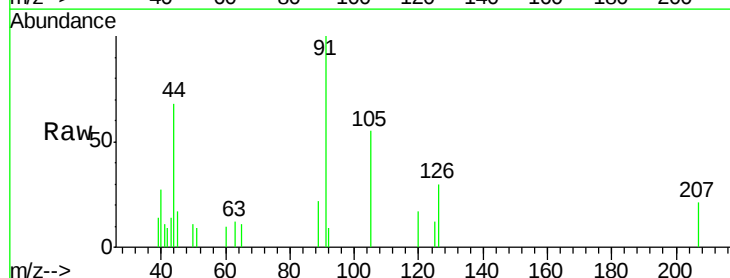
Instrument :
MSVOA_N
ClientSampled :
LS-SOIL-4

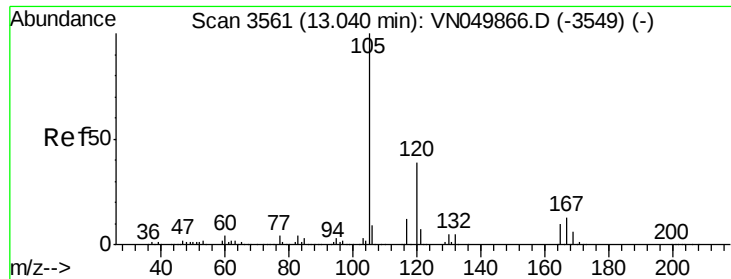
Tot Ion: 75 Resp: 16542
Ion Ratio Lower Upper
75 100
53 0.2 73.9 110.9#
89 0.0 35.9 53.9#



#82
4-Chlorotoluene
Concen: 0.27 ug/l
RT: 12.68 min Scan# 3449
Delta R.T. -0.09 min
Lab File: VN049986.D
Acq: 21 Jul 2018 3:31

Tgt Ion: 91 Resp: 3954
Ion Ratio Lower Upper
91 100
126 20.3 17.2 51.6

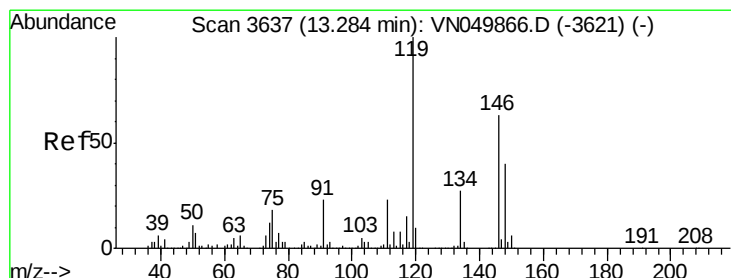
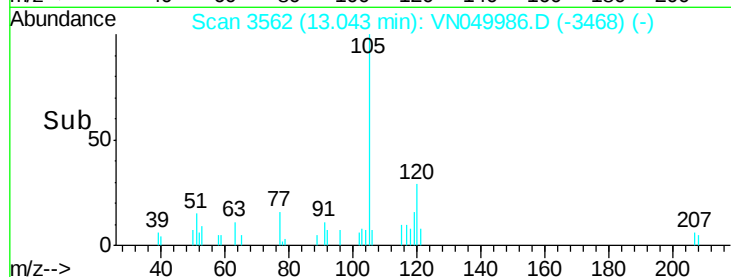
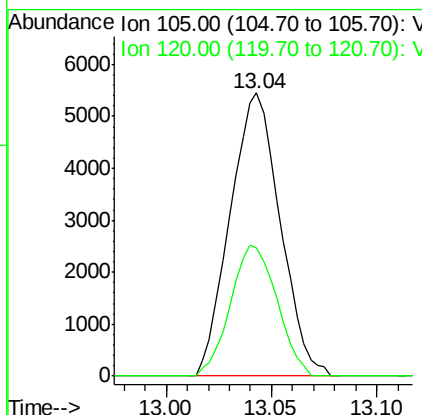
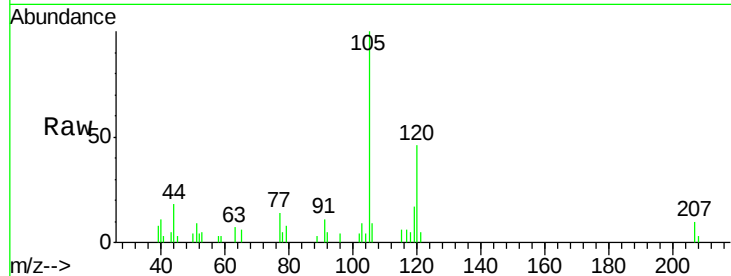




#84
 1,2,4-Trimethylbenzene
 Concen: 0.54 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049986.D
 Acq: 21 Jul 2018 3:31

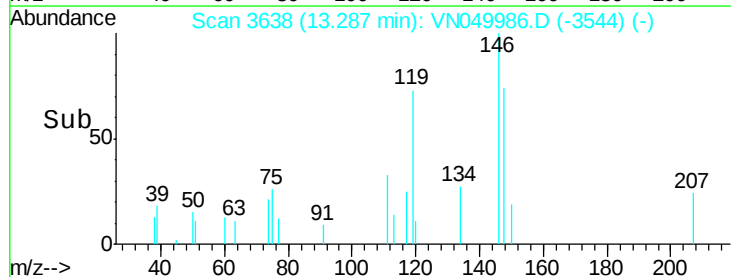
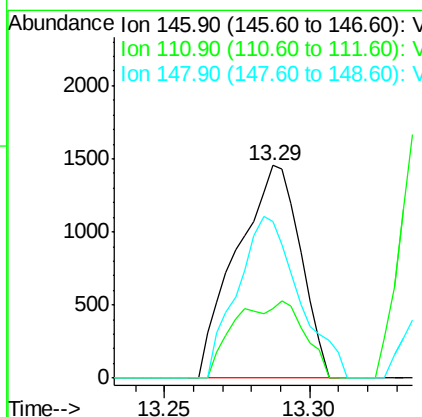
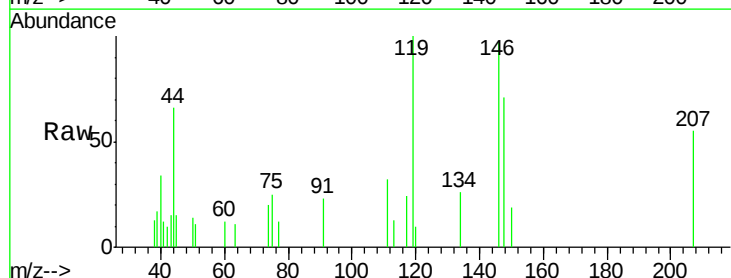
Instrument :
 MSVOA_N
 ClientSampled :
 LS-SOIL-4

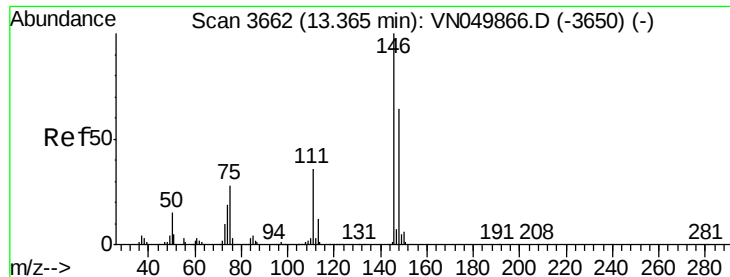
Tot Ion:105 Resp: 8968
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.7 68.1



#87
 1,3-Dichlorobenzene
 Concen: 0.22 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049986.D
 Acq: 21 Jul 2018 3:31

Tgt Ion:146 Resp: 2213
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.0 57.0
 148 73.5 32.5 97.5





#88

1,4-Dichlorobenzene

Concen: 0.22 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.08 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampled :

LS-SOIL-4

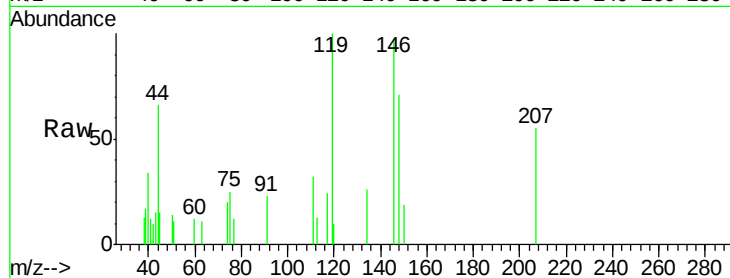
Tot Ion:146 Resp: 2213

Ion Ratio Lower Upper

146 100

111 39.4 18.9 56.5

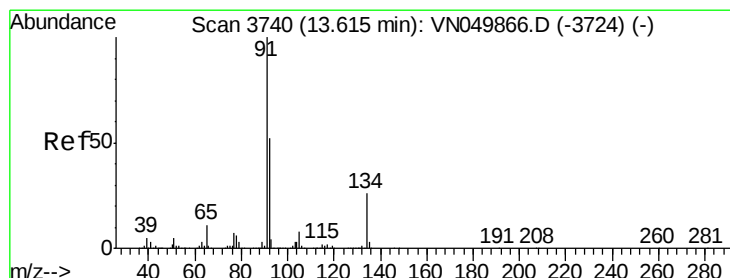
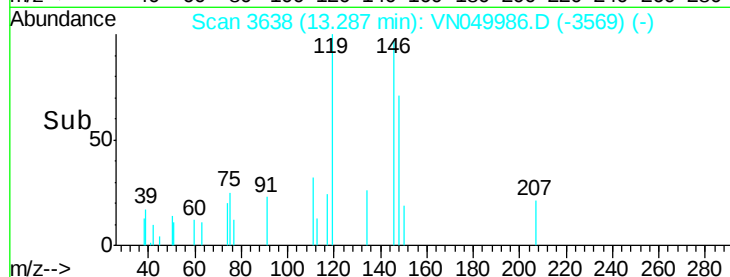
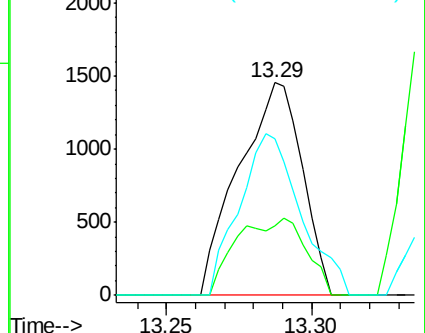
148 73.5 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.29 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

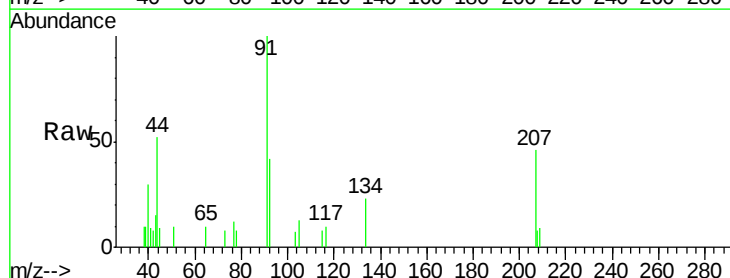
Tgt Ion: 91 Resp: 3931

Ion Ratio Lower Upper

91 100

92 44.5 25.8 77.3

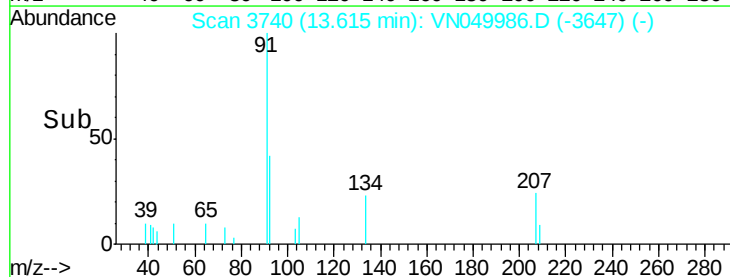
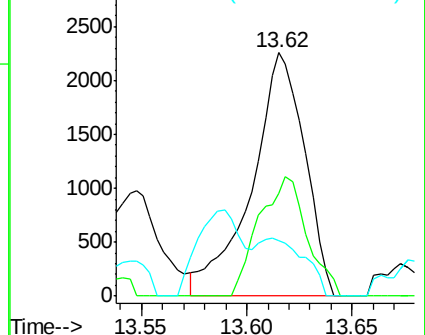
134 0.0 13.0 38.9#

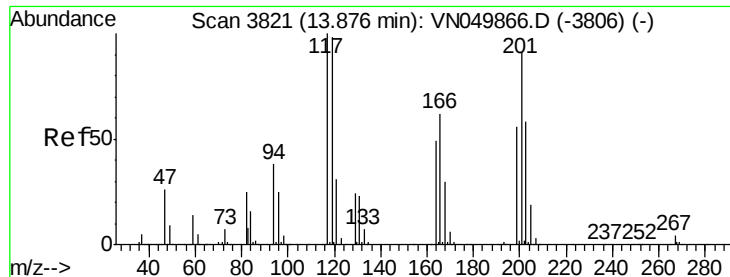


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.31 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampleId :

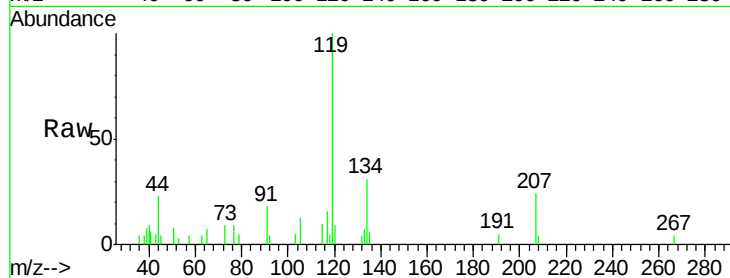
LS-SOIL-4

Tot Ion:117 Resp: 1150

Ion Ratio Lower Upper

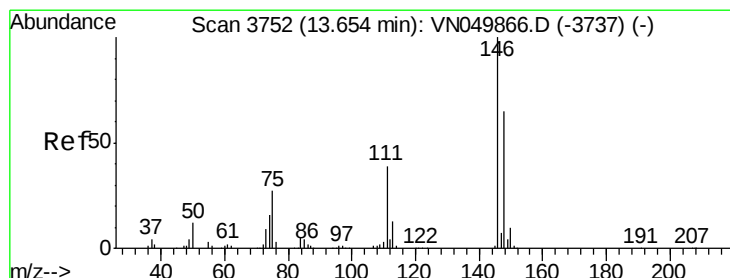
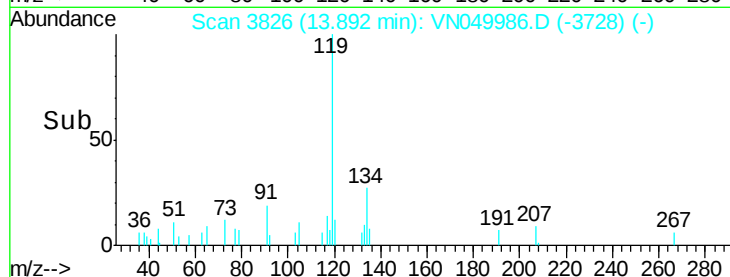
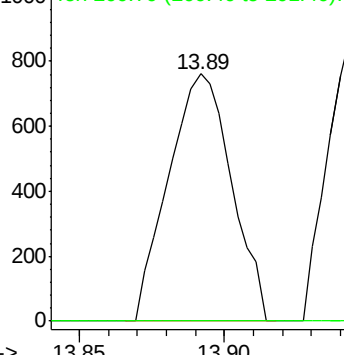
117 100

201 0.0 45.3 135.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.25 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

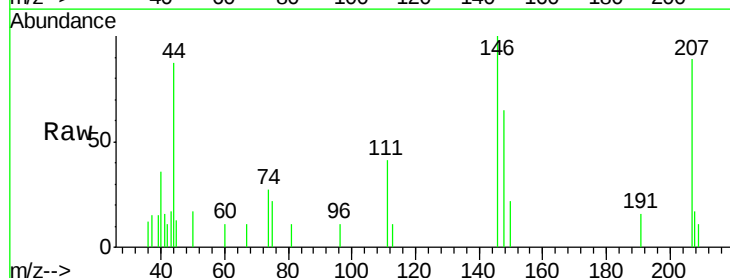
Tgt Ion:146 Resp: 2460

Ion Ratio Lower Upper

146 100

111 37.8 19.7 59.1

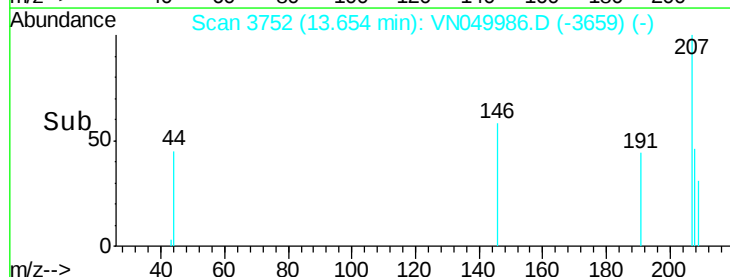
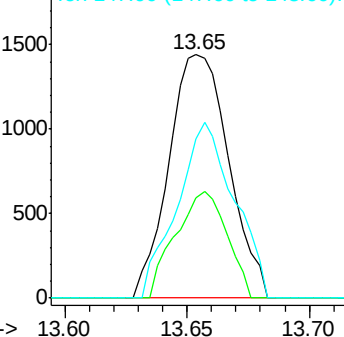
148 68.7 32.0 96.2

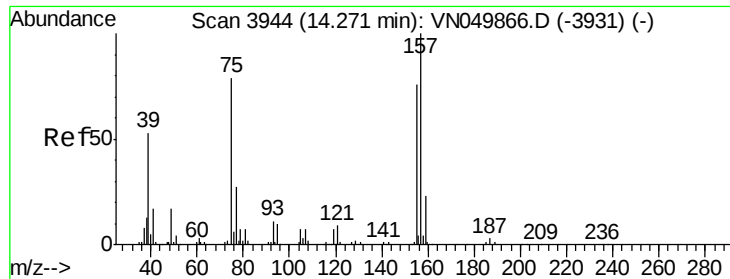


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.21 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampleId :

LS-SOIL-4

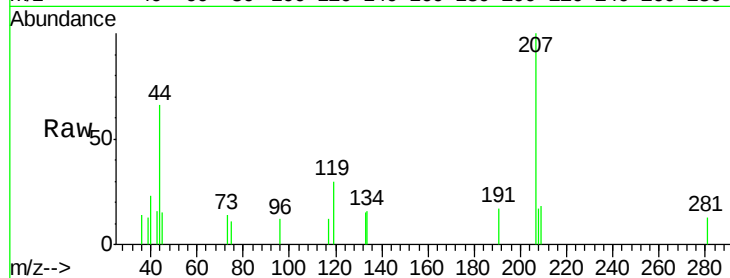
Tot Ion: 75 Resp: 200

Ion Ratio Lower Upper

75 100

155 14.5 45.7 137.1#

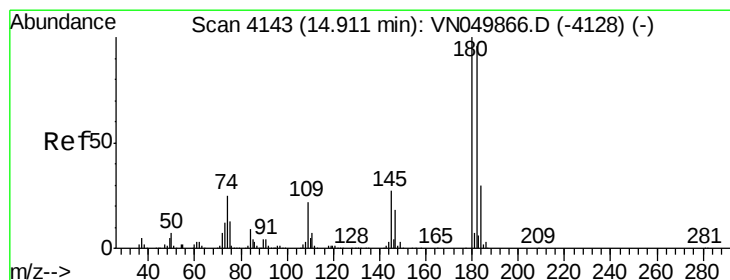
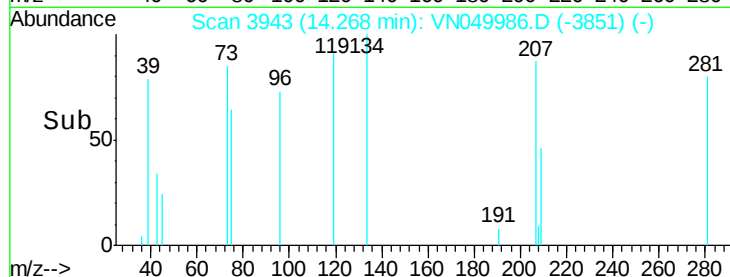
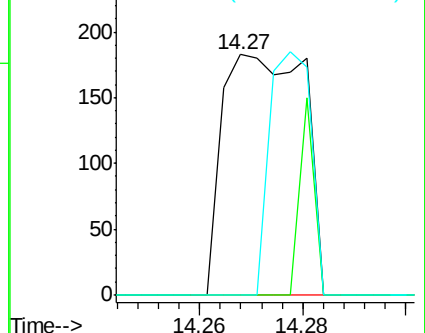
157 51.0 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049986.D (-3931) (-)

Ion 154.80 (154.50 to 155.50): VN049986.D (-3931) (-)

Ion 156.80 (156.50 to 157.50): VN049986.D (-3931) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.07 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

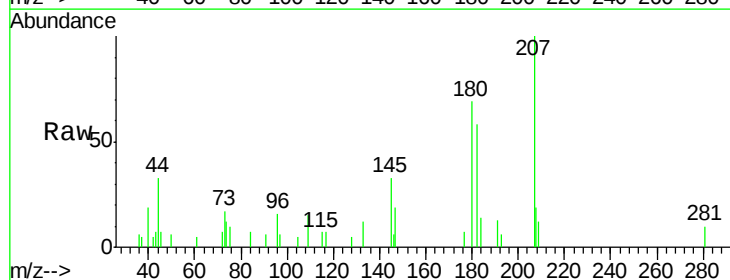
Tgt Ion: 180 Resp: 3403

Ion Ratio Lower Upper

180 100

182 96.8 47.3 141.9

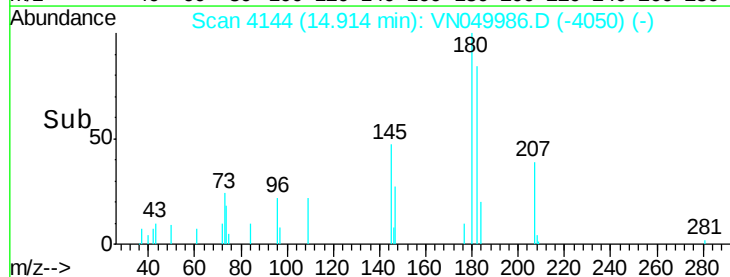
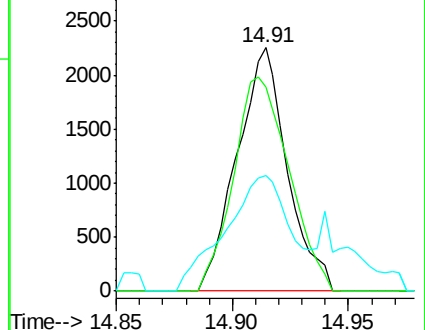
145 61.5 14.4 43.0#

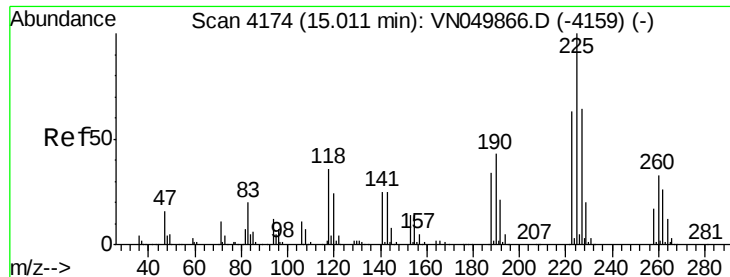


Abundance Ion 179.80 (179.50 to 180.50): VN049986.D (-4128) (-)

Ion 181.80 (181.50 to 182.50): VN049986.D (-4128) (-)

Ion 144.80 (144.50 to 145.50): VN049986.D (-4128) (-)





#94

Hexachlorobutadiene

Concen: 0.44 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. -0.00 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

Instrument :

MSVOA_N

ClientSampled :

LS-SOIL-4

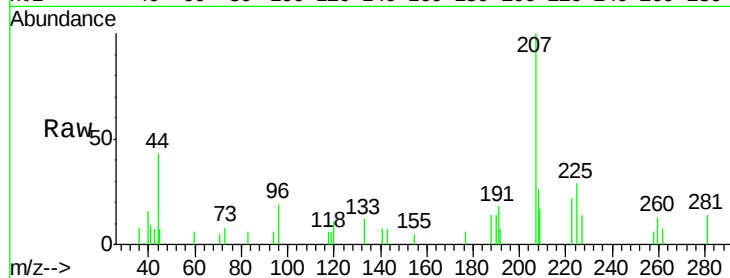
Tot Ion:225 Resp: 1413

Ion Ratio Lower Upper

225 100

223 56.8 30.9 92.7

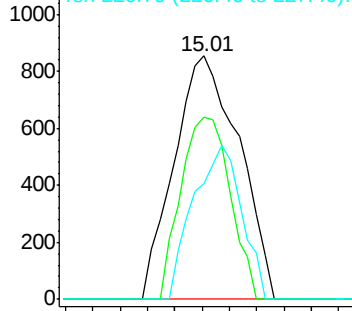
227 47.0 31.8 95.4



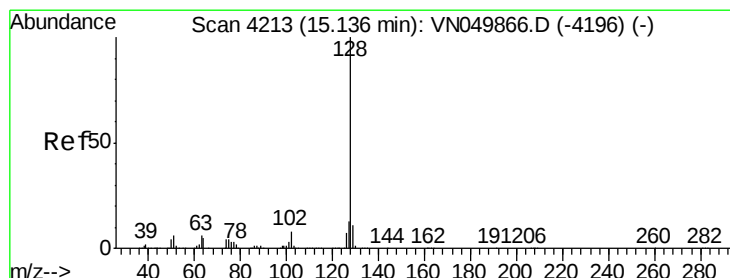
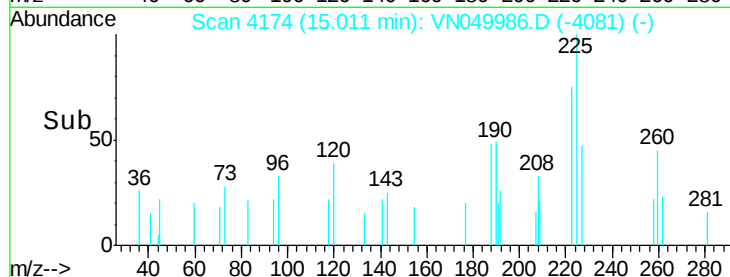
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 7.49 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049986.D

Acq: 21 Jul 2018 3:31

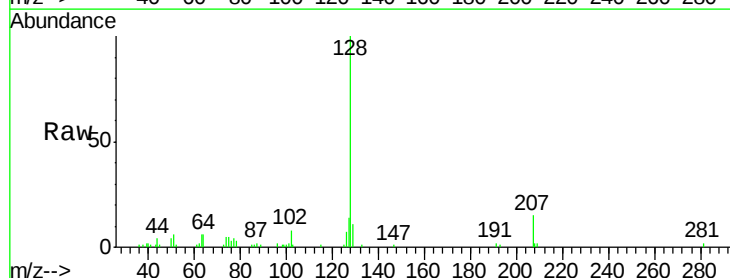
Tgt Ion:128 Resp: 42368

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

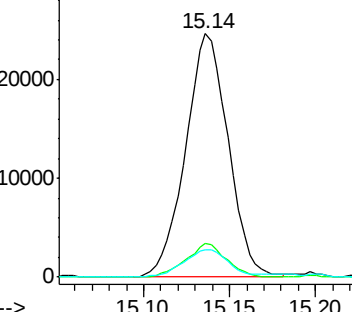
129 11.8 8.6 13.0



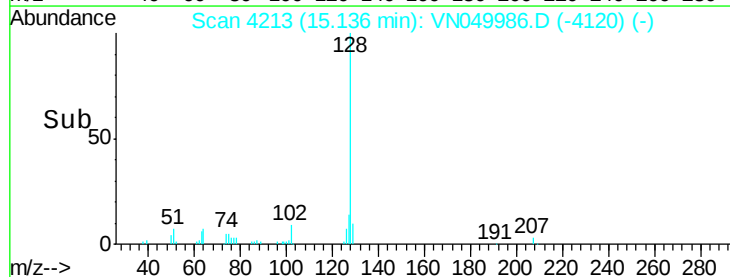
Abundance Ion 128.00 (127.70 to 128.70): V

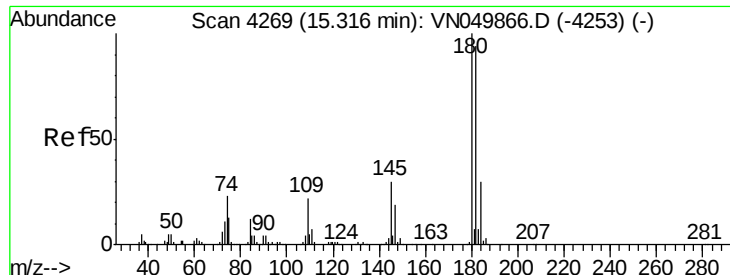
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.85 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049986.D
 Acq: 21 Jul 2018 3:31

Instrument :
 MSVOA_N
 ClientSampleId :
 LS-SOIL-4

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.4	142.2
145	49.0	15.2	45.6

