

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 00:51:46 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			Recovery	=	118.40%	
35) Dibromofluoromethane	7.59	113	771912	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
50) Toluene-d8	10.09	98	2742627	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	800186	42.57	ug/l	0.00
Spiked Amount			Recovery	=	85.14%	

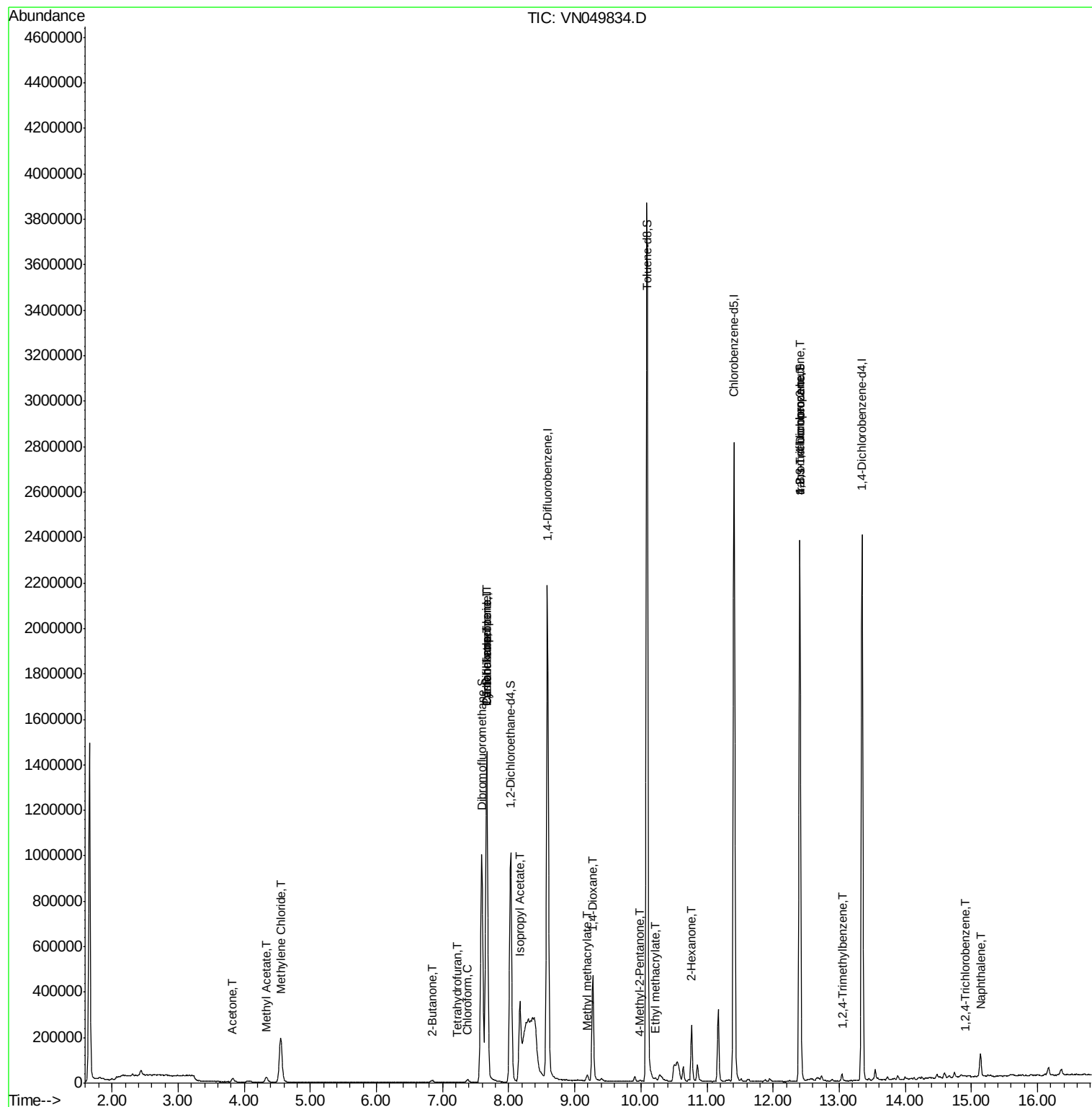
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	2826	Below Cal		90
4) Vinyl Chloride	2.18	62	135	Below Cal	#	41
5) Bromomethane	2.57	94	897	Below Cal	#	64
16) Acetone	3.82	43	26947	5.47	ug/l	90
17) Carbon Disulfide	4.05	76	4048	Below Cal	#	94
18) Methyl Acetate	4.33	43	42566	2.79	ug/l	100
20) Methylene Chloride	4.55	84	148343	9.15	ug/l	97
25) 2-Butanone	6.86	43	6608	1.16	ug/l	# 81
29) Tetrahydrofuran	7.22	42	1236	0.35	ug/l	# 49
30) Chloroform	7.37	83	10381	0.35	ug/l	99
31) Cyclohexane	7.67	56	23778	0.79	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	85565	3.64	ug/l	# 50
38) Carbon Tetrachloride	7.67	117	113862	4.63	ug/l	# 17
43) Isopropyl Acetate	8.17	43	431197	17.24	ug/l	96
48) Methyl methacrylate	9.18	41	13621	1.09	ug/l	# 22
49) 1,4-Dioxane	9.27	88	66	0.40	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.99	43	3077	0.23	ug/l	# 68
55) 1,1,2-Trichloroethane	10.56	97	328	Below Cal	#	15
56) Ethyl methacrylate	10.23	69	4371	0.23	ug/l	88
59) 2-Hexanone	10.77	43	34405	3.81	ug/l	# 58
75) 1,1,2,2-Tetrachloroethane	12.53	83	69	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	388452	31.56	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	388452	101.93	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.04	105	17068	0.37	ug/l	98
90) Hexachloroethane	13.90	117	775	Below Cal	#	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	128	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.90	180	519	2.92	ug/l	# 23
95) Naphthalene	15.14	128	88895	6.69	ug/l	99

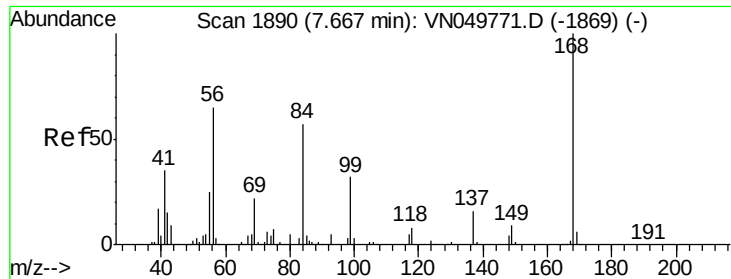
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

ClientSampled :

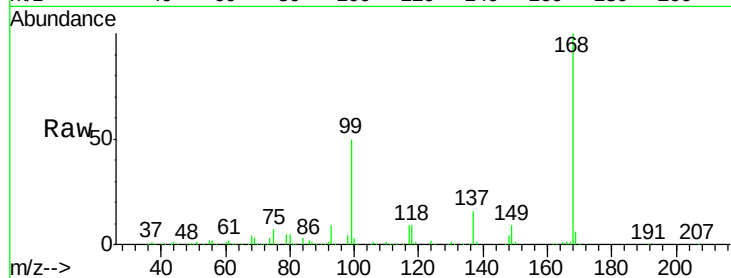
LS-SOIL-3

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): VN0

7.67

600000

500000

400000

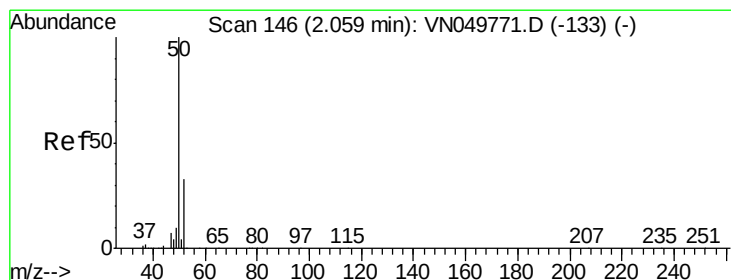
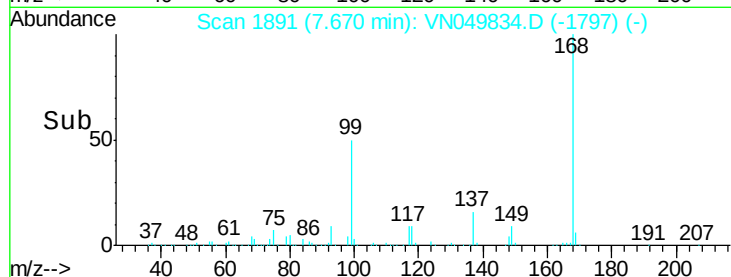
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#3

Chloromethane

Concen: Below Cal

RT: 2.05 min Scan# 144

Delta R.T. -0.01 min

Lab File: VN049834.D

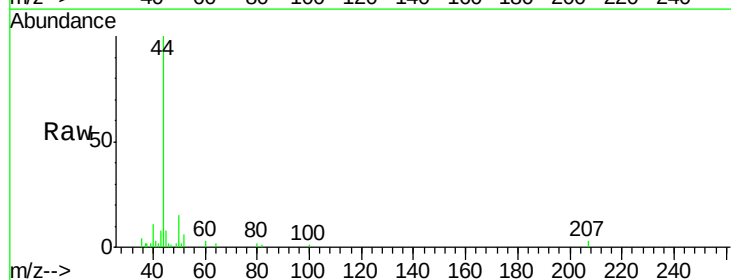
Acq: 14 Jul 2018 8:06

Tgt Ion: 50 Resp: 2826

Ion Ratio Lower Upper

50 100

52 38.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2000

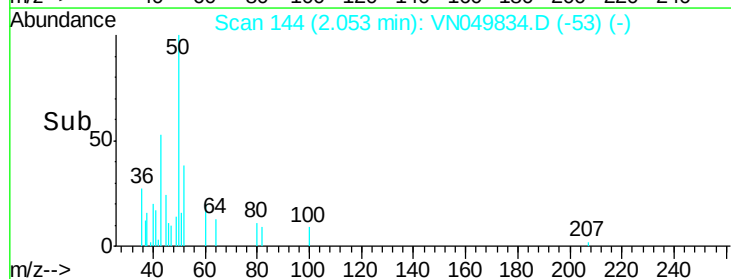
1500

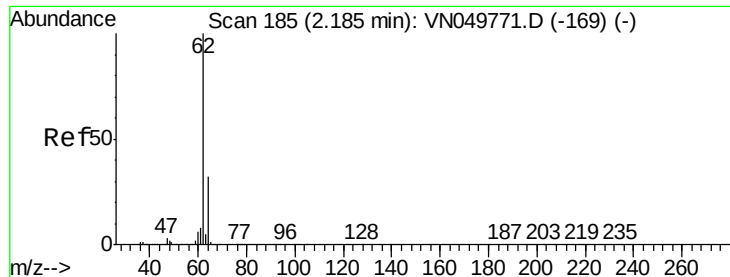
1000

500

0

Time--> 2.00 2.05 2.10





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.18 min Scan# 183

Delta R.T. -0.01 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

Instrument :

MSVOA_N

ClientSampled :

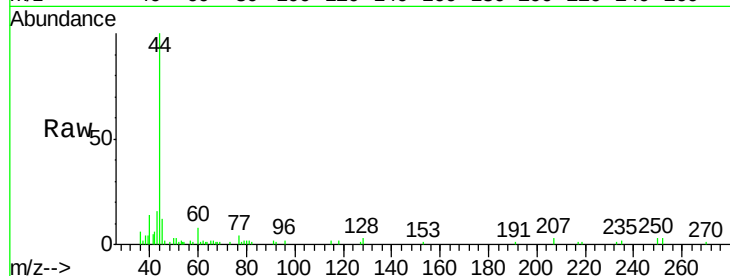
LS-SOIL-3

Tot Ion: 62 Resp: 135

Ion Ratio Lower Upper

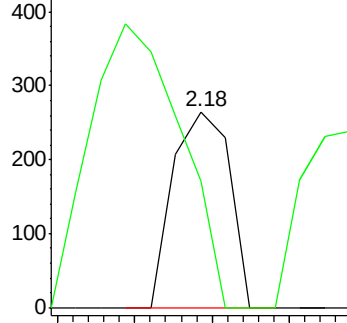
62 100

64 64.5 25.4 38.0#

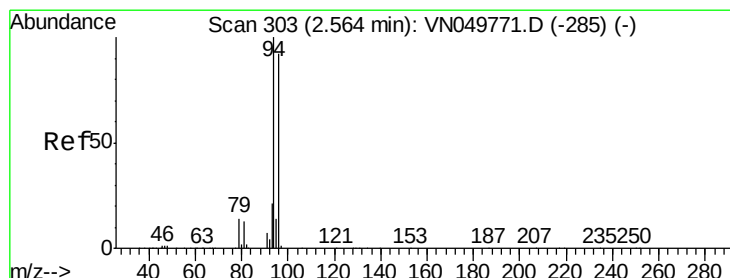
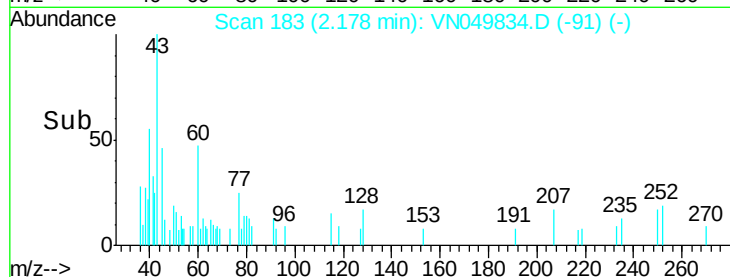


Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049834.D

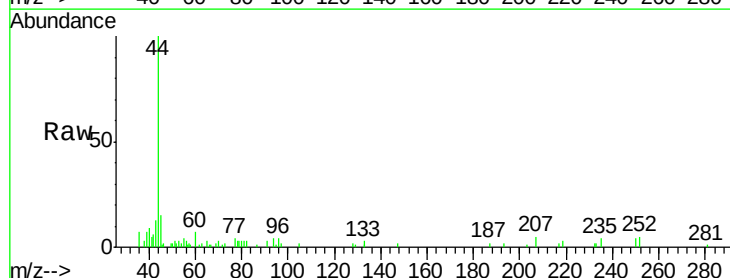
Acq: 14 Jul 2018 8:06

Tgt Ion: 94 Resp: 897

Ion Ratio Lower Upper

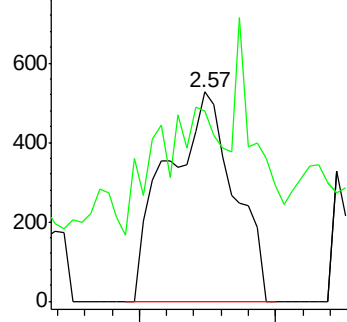
94 100

96 59.4 75.7 113.5#

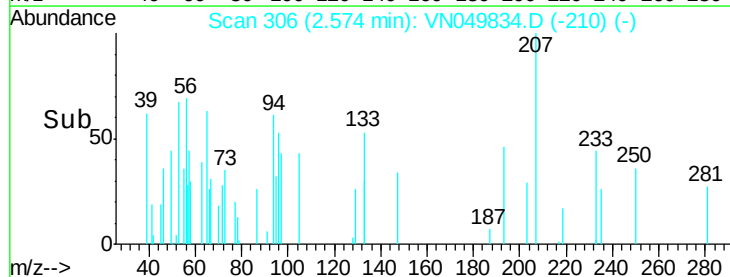


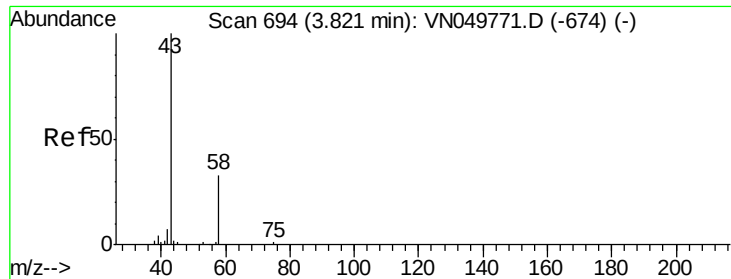
Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->

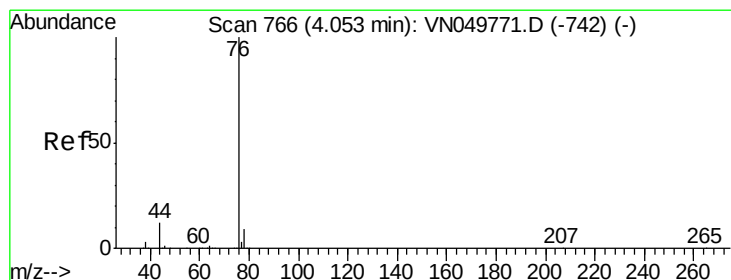
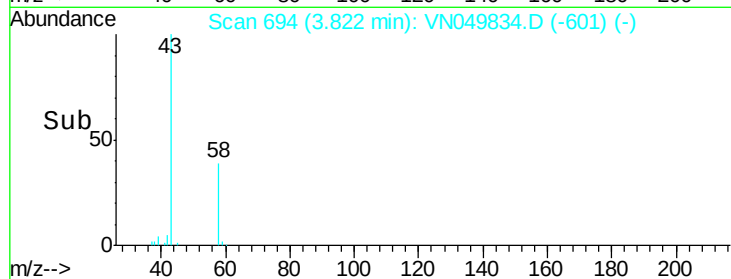
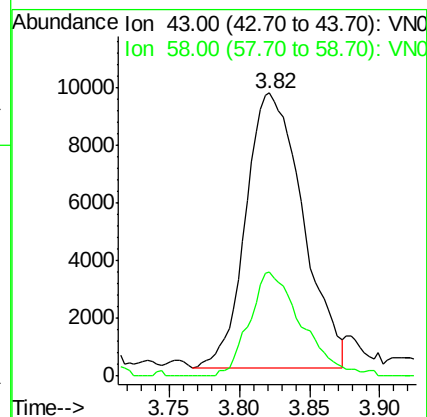
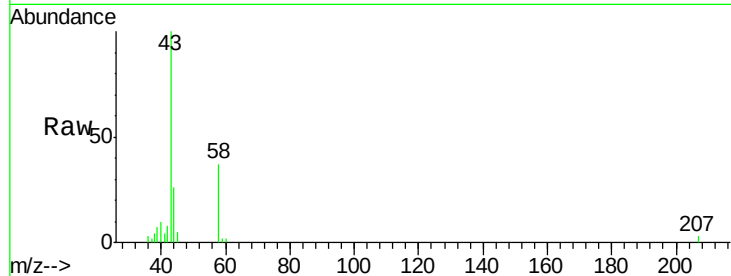




#16
Acetone
Concen: 5.47 ug/l
RT: 3.82 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

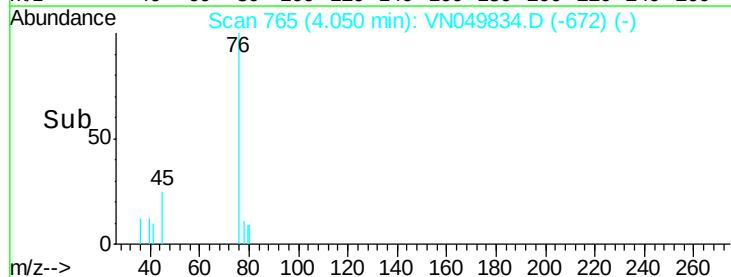
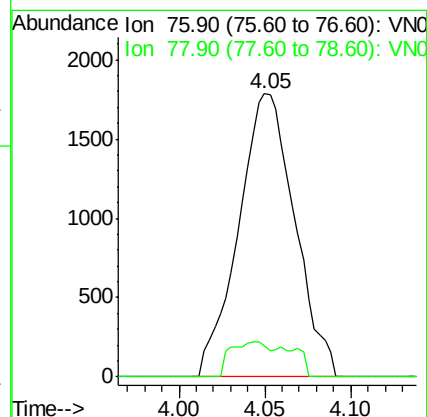
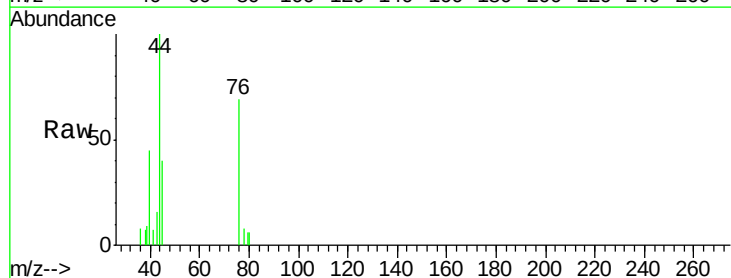
Instrument :
MSVOA_N
ClientSampled :
LS-SOIL-3

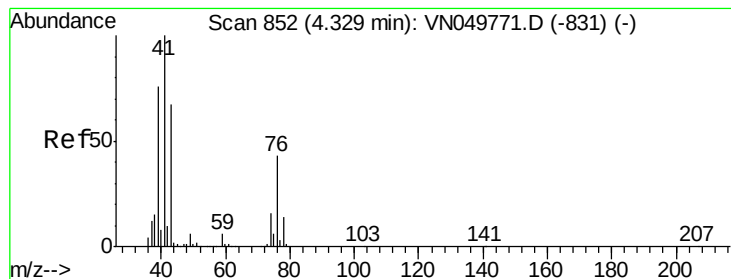
Tot Ion: 43 Resp: 26947
Ion Ratio Lower Upper
43 100
58 37.8 25.9 38.9



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

Tgt Ion: 76 Resp: 4048
Ion Ratio Lower Upper
76 100
78 11.0 7.1 10.7#





#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

ClientSampled :

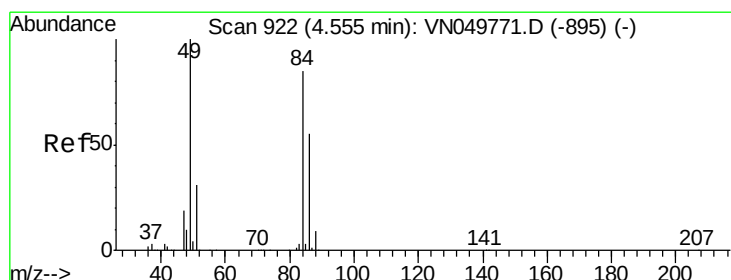
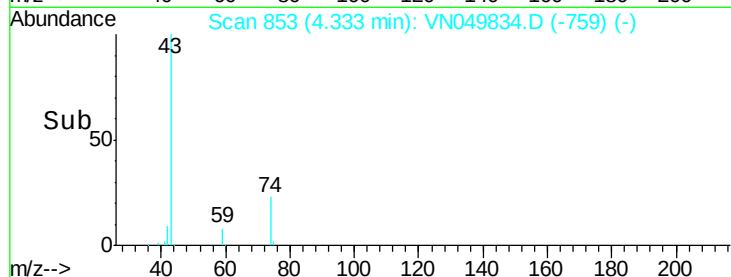
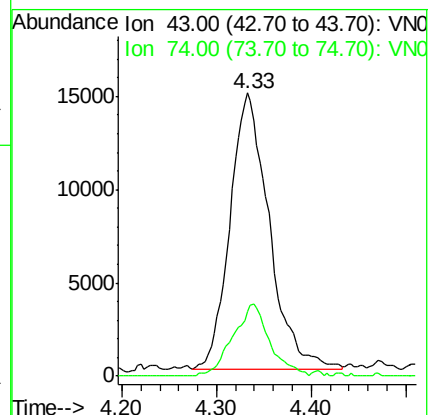
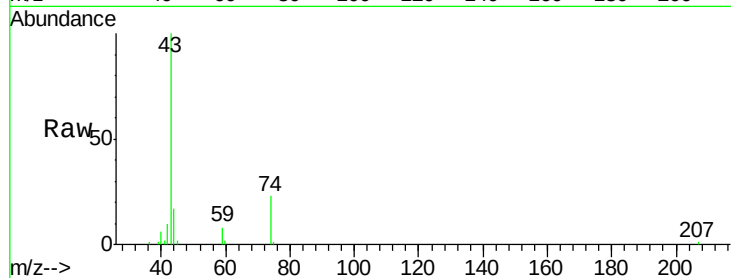
LS-SOIL-3

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

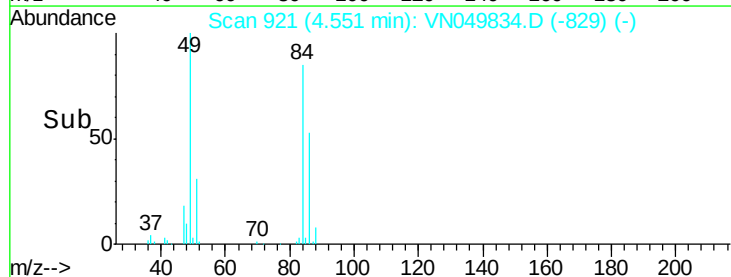
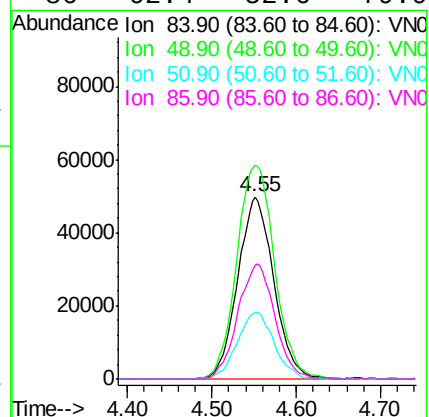
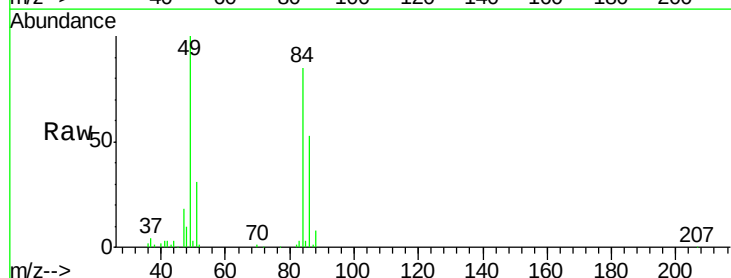
Ion Ratio Lower Upper

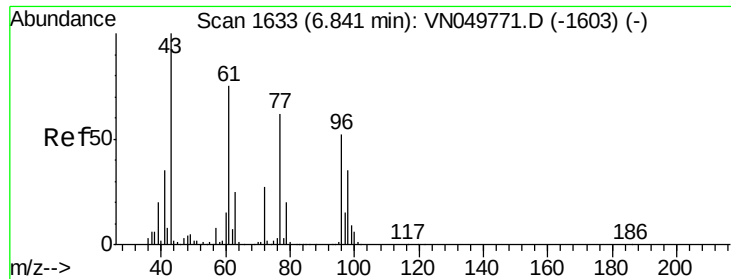
84 100

49 117.1 95.4 143.2

51 36.4 28.4 42.6

86 62.4 52.6 79.0





#25

2-Butanone

Concen: 1.16 ug/l

RT: 6.86 min Scan# 1638

Delta R.T. 0.02 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

Instrument :

MSVOA_N

ClientSampled :

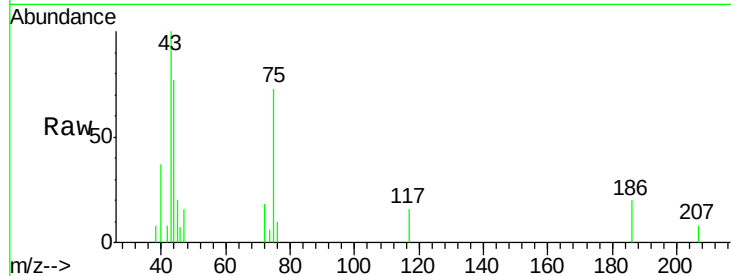
LS-SOIL-3

Tot Ion: 43 Resp: 6608

Ion Ratio Lower Upper

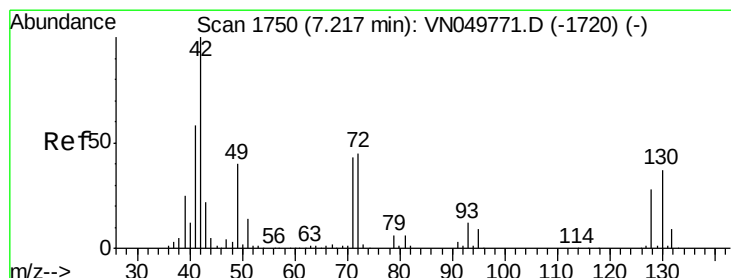
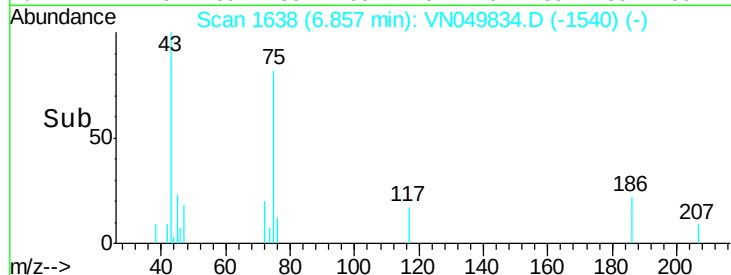
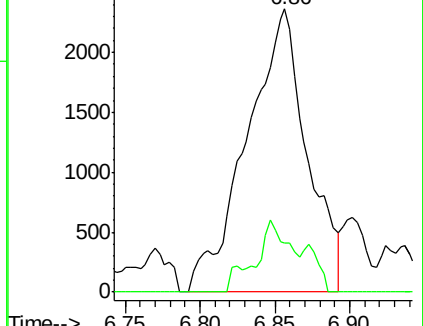
43 100

72 17.5 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-1603) (-)

Ion 72.00 (71.70 to 72.70): VN049771.D (-1603) (-)



#29

Tetrahydrofuran

Concen: 0.35 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

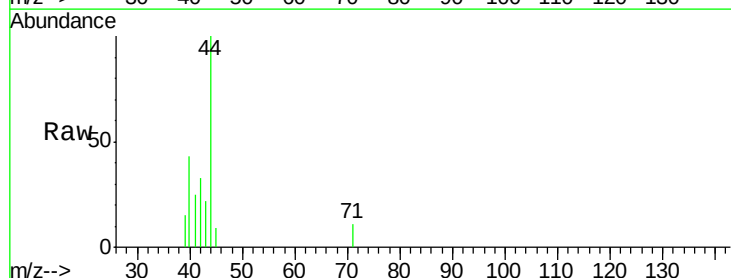
Tgt Ion: 42 Resp: 1236

Ion Ratio Lower Upper

42 100

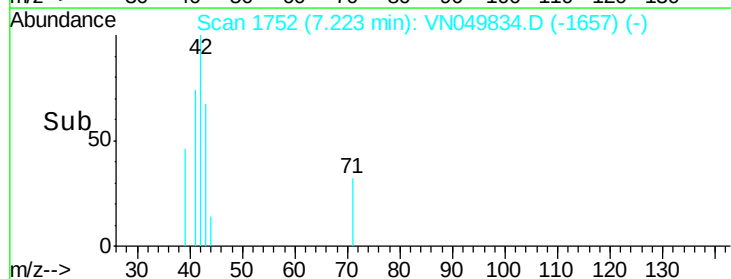
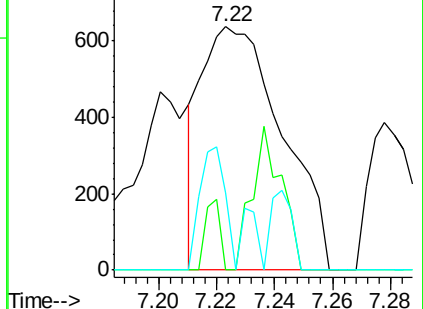
72 5.4 35.6 53.4#

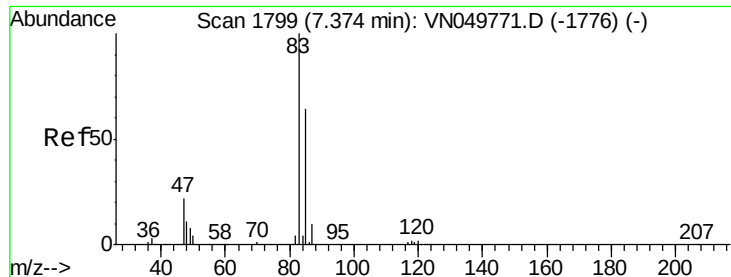
71 16.1 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VN049771.D (-1720) (-)

Ion 72.00 (71.70 to 72.70): VN049771.D (-1720) (-)

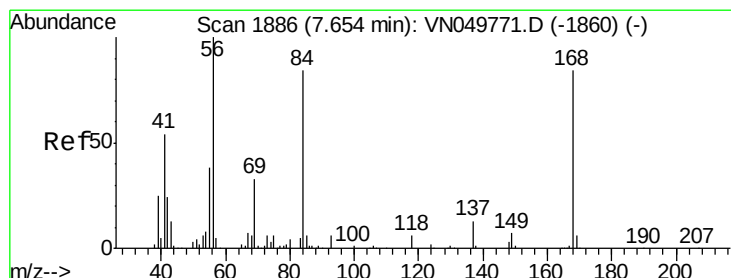
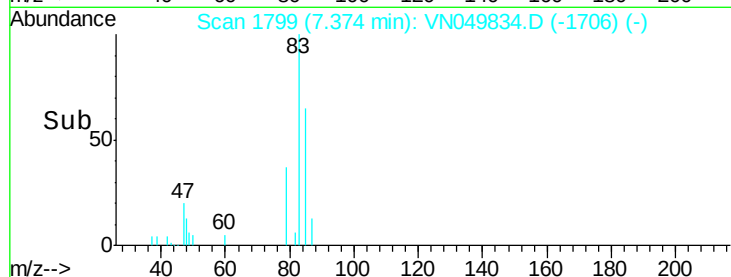
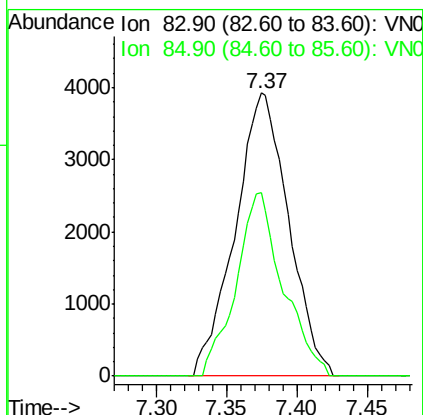
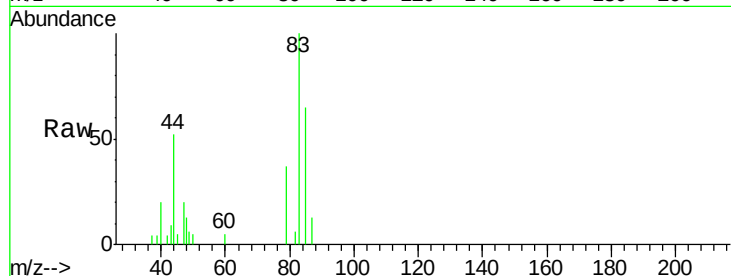




#30
Chloroform
Concen: 0.35 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

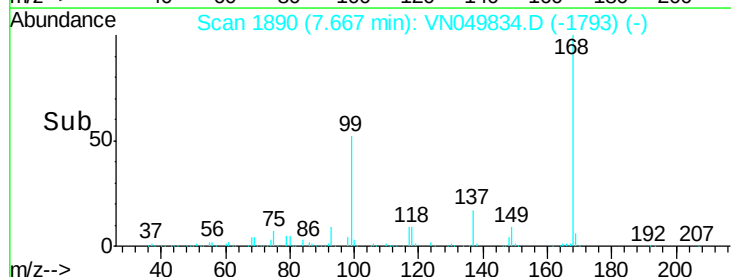
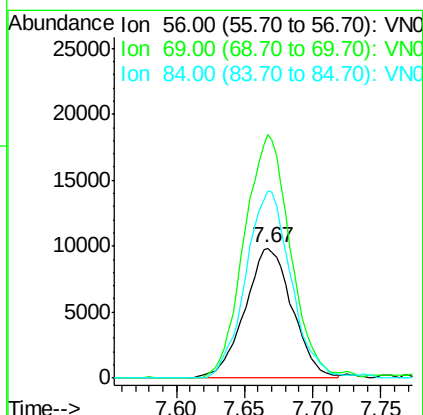
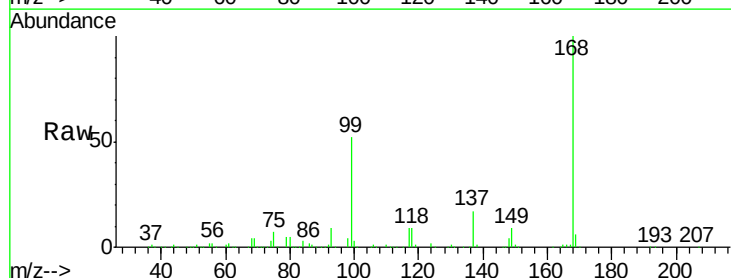
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LS-SOIL-3

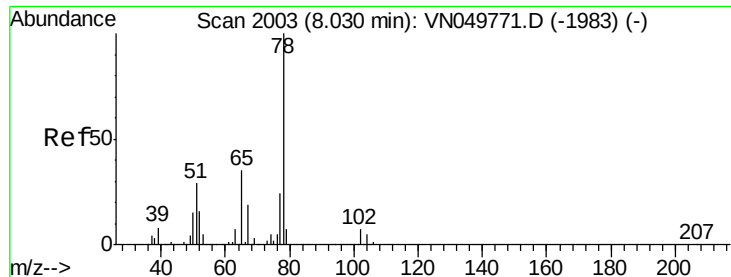
Tot Ion: 83 Resp: 10381
Ion Ratio Lower Upper
83 100
85 64.8 51.4 77.2



#31
Cyclohexane
Concen: 0.79 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

Tgt Ion: 56 Resp: 23778
Ion Ratio Lower Upper
56 100
69 187.3 26.6 40.0#
84 143.8 69.0 103.6#

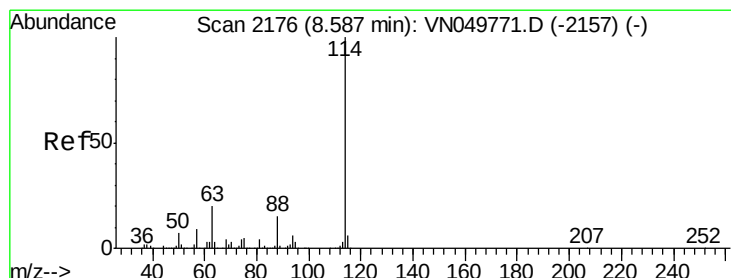
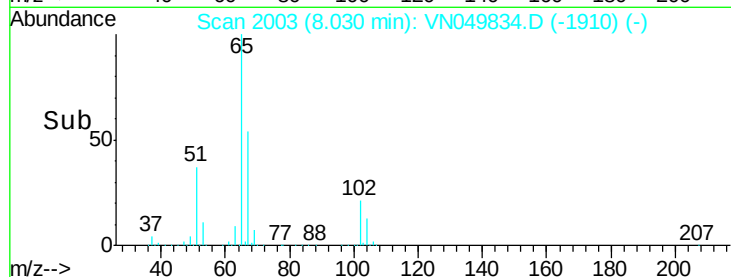
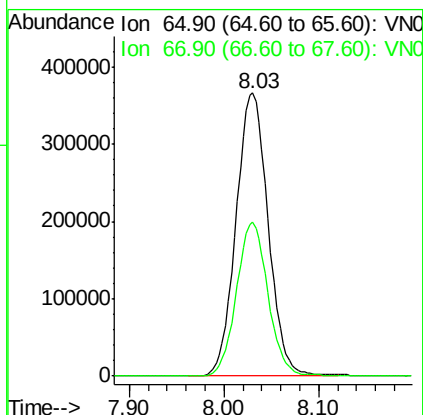
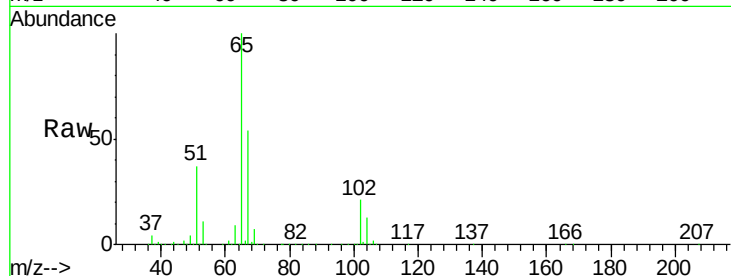




#33
 1,2-Dichloroethane-d4
 Concen: 59.20 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049834.D
 Acq: 14 Jul 2018 8:06

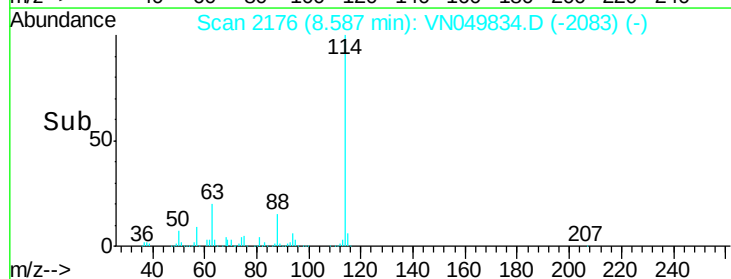
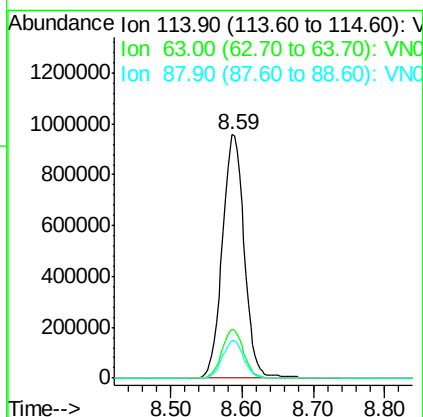
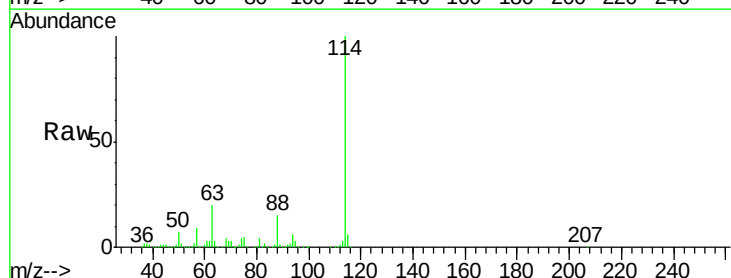
Instrument :
 MSVOA_N
 ClientSampled :
 LS-SOIL-3

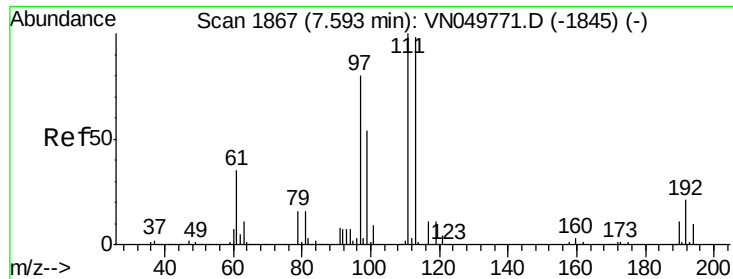
Tot Ion: 65 Resp: 864413
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.2



#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

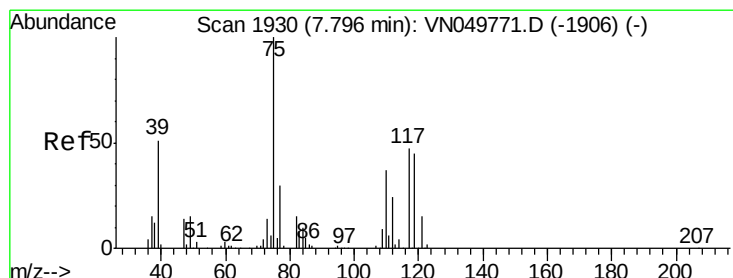
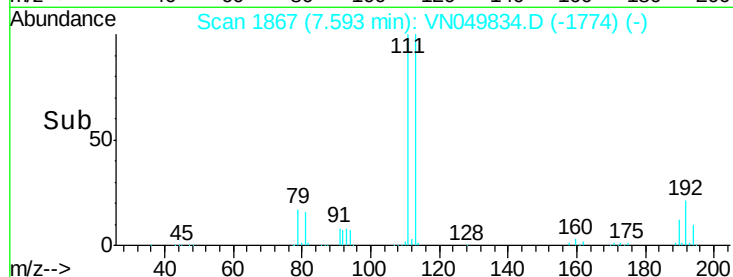
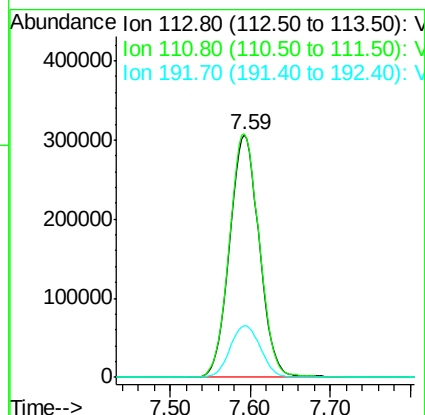
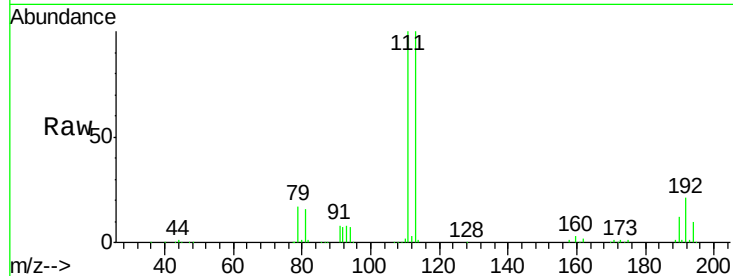




#35
 Dibromofluoromethane
 Concen: 50.20 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049834.D
 Acq: 14 Jul 2018 8:06

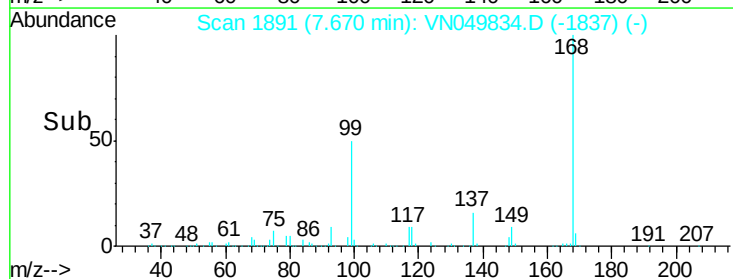
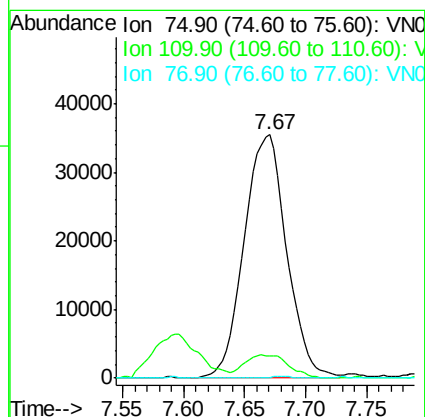
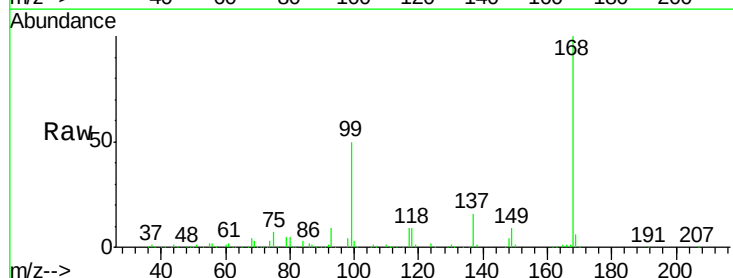
Instrument :
 MSVOA_N
 ClientSampleId :
 LS-SOIL-3

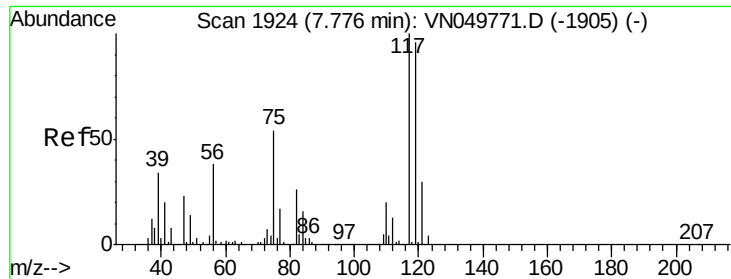
Tot Ion:113 Resp: 771912
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.8 122.8
 192 21.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.64 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN049834.D
 Acq: 14 Jul 2018 8:06

Tgt Ion: 75 Resp: 85565
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.1 54.4#
 77 0.2 24.9 37.3#

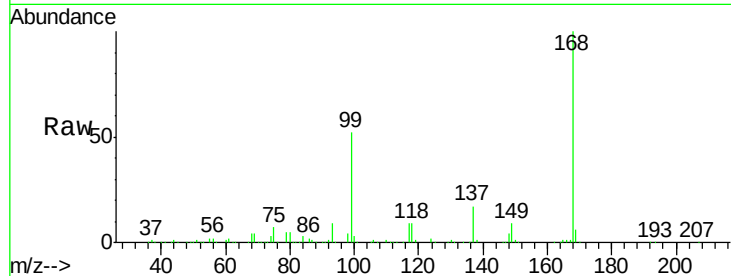




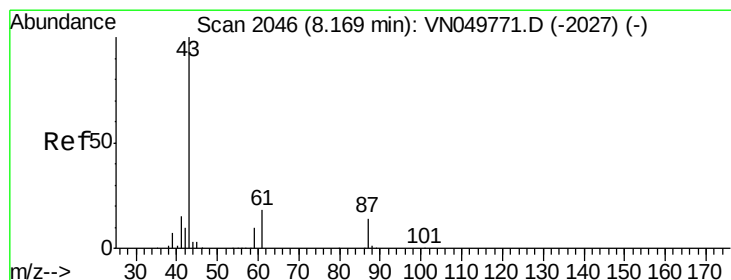
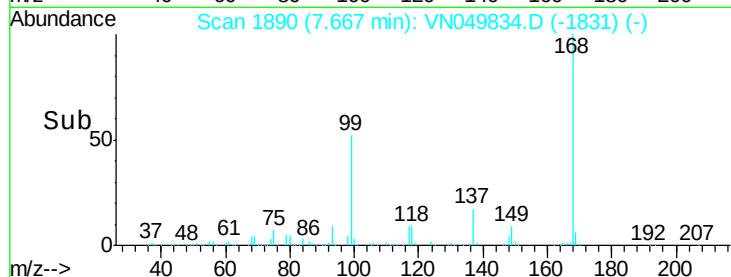
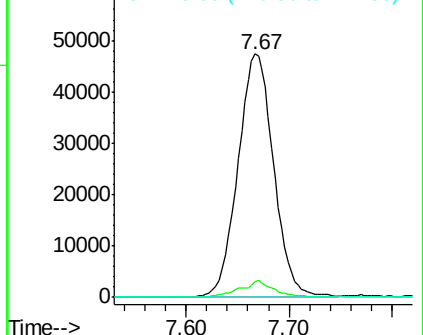
#38
Carbon Tetrachloride
Concen: 4.63 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

Instrument :
MSVOA_N
ClientSampled :
LS-SOIL-3

Tot Ion:117 Resp: 113862
Ion Ratio Lower Upper
117 100
119 6.3 77.2 115.8#
121 0.0 25.0 37.6#

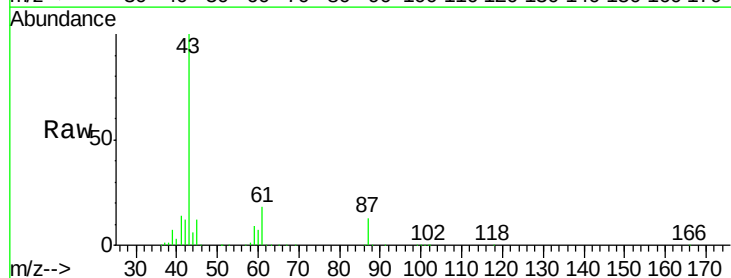


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

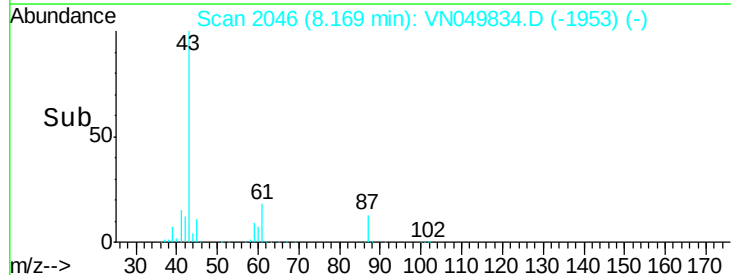
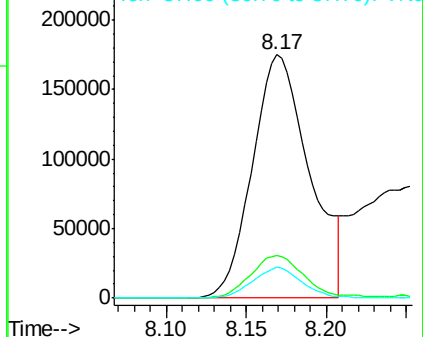


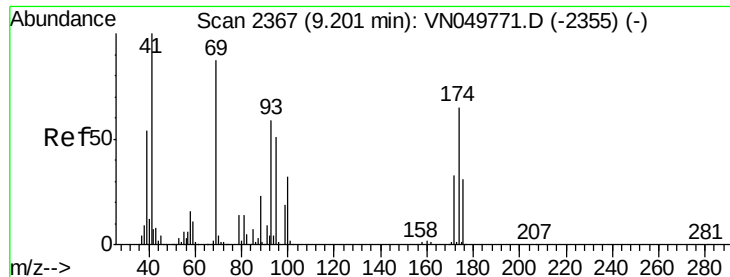
#43
Isopropyl Acetate
Concen: 17.24 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

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

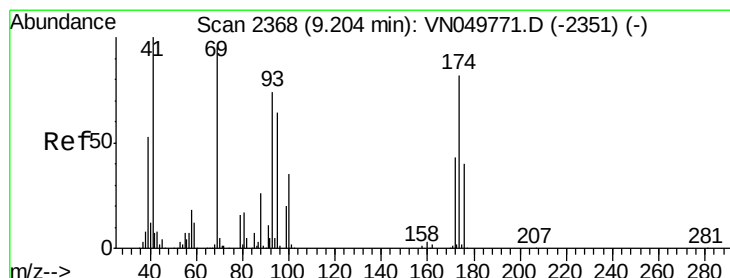
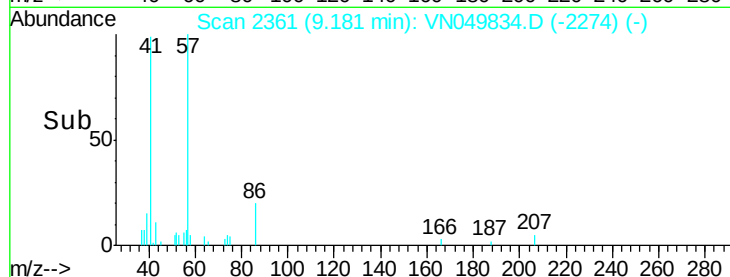
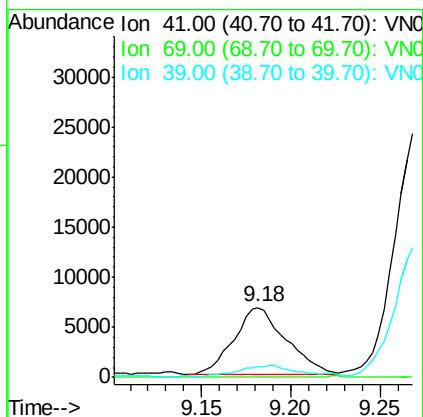
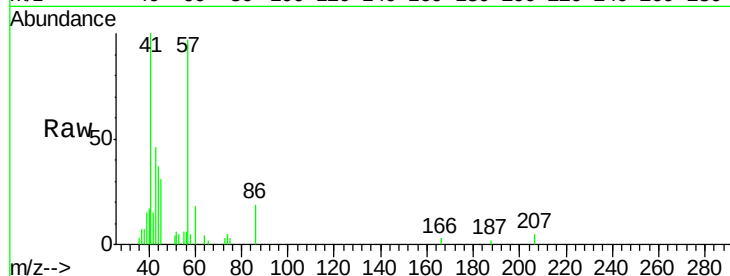




#48
Methvl methacrylate
Concen: 1.09 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

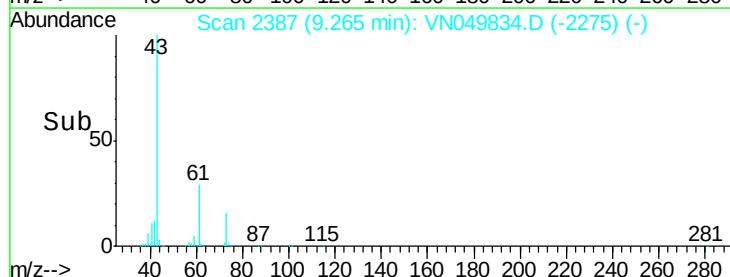
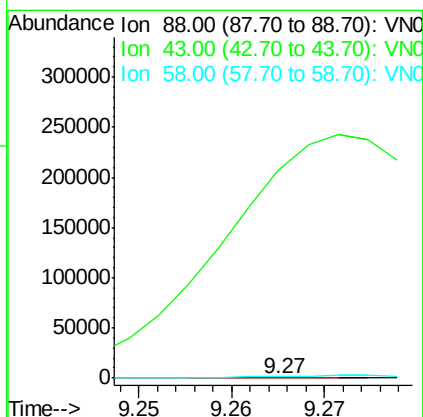
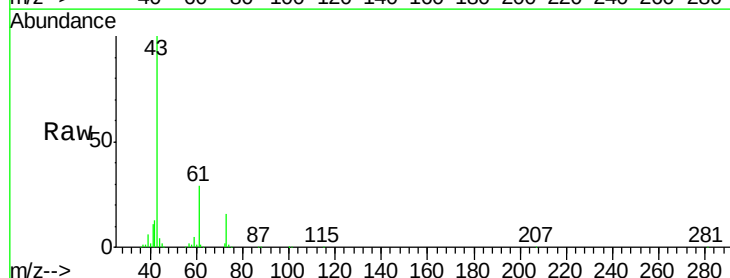
Instrument :
MSVOA_N
ClientSampled :
LS-SOIL-3

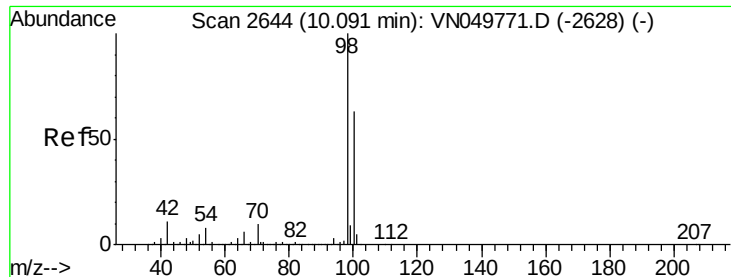
Tot Ion: 41 Resp: 13621
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 19.6 44.7 67.1#



#49
1,4-Dioxane
Concen: 0.40 ug/l
RT: 9.27 min Scan# 2387
Delta R.T. 0.06 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 698003.0 25.1 37.7#
58 6554.5 52.5 78.7#

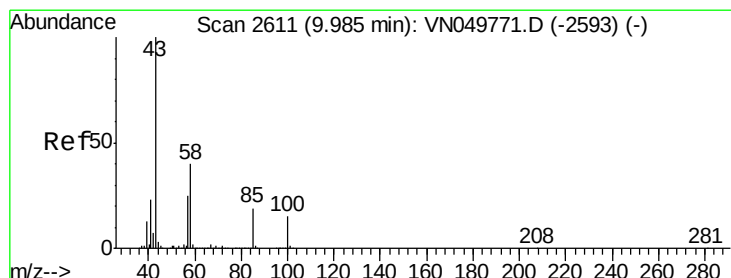
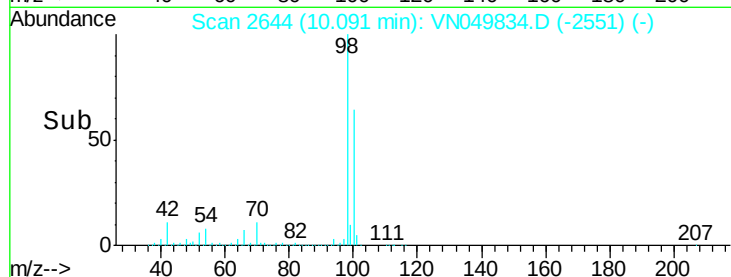
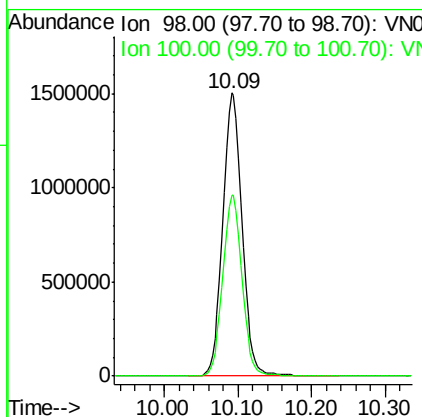
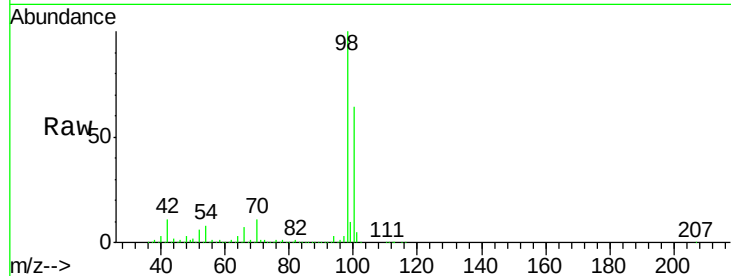




#50
Toluene-d8
Concen: 52.11 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

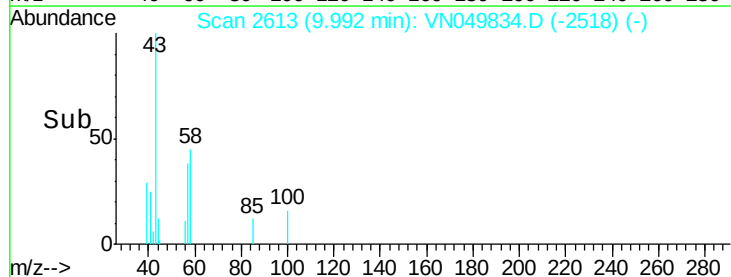
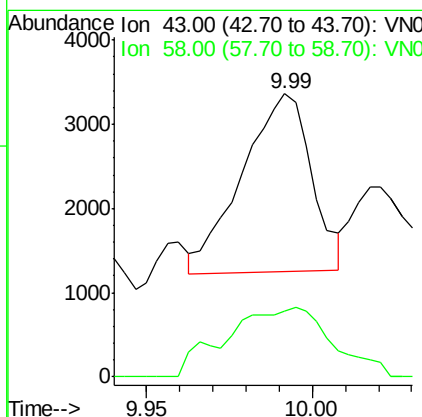
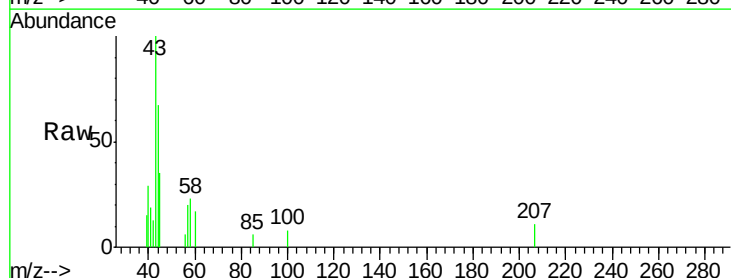
Instrument :
MSVOA_N
ClientSampled :
LS-SOIL-3

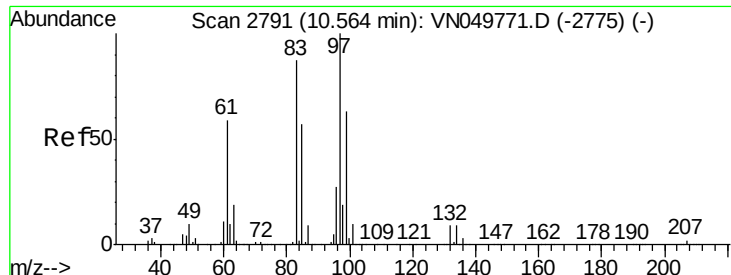
Tot Ion: 98 Resp: 2742627
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.01 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

Tgt Ion: 43 Resp: 3077
Ion Ratio Lower Upper
43 100
58 59.3 31.8 47.8#

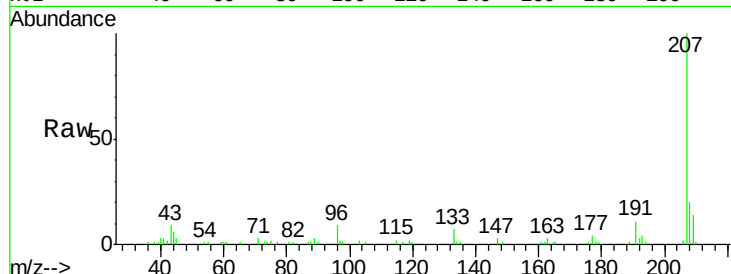




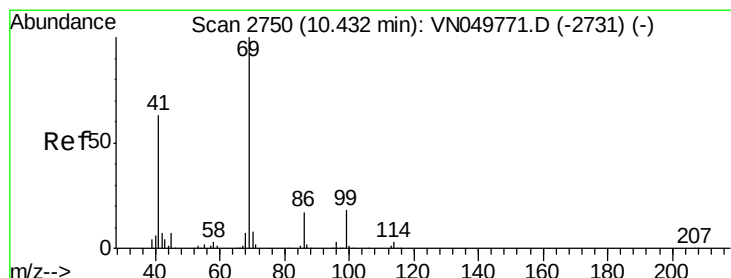
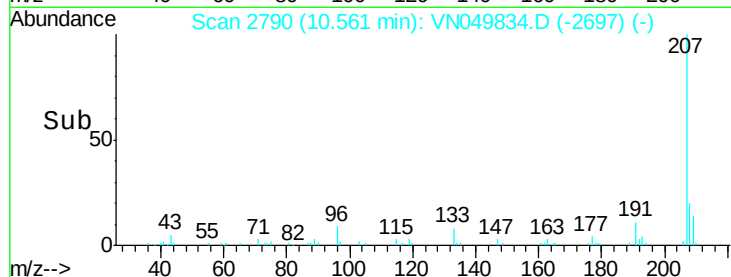
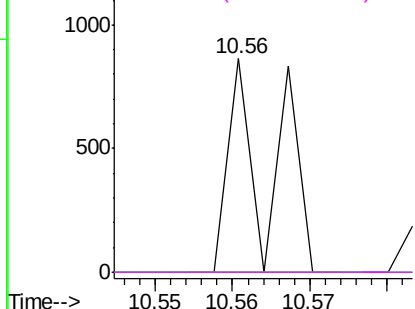
#55
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN049834.D
 Acq: 14 Jul 2018 8:06

Instrument :
 MSVOA_N
 ClientSampled :
 LS-SOIL-3

Tot Ion: 97 Resp: 328
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.0 103.6#
 85 0.0 44.9 67.3#
 99 0.0 49.8 74.6#

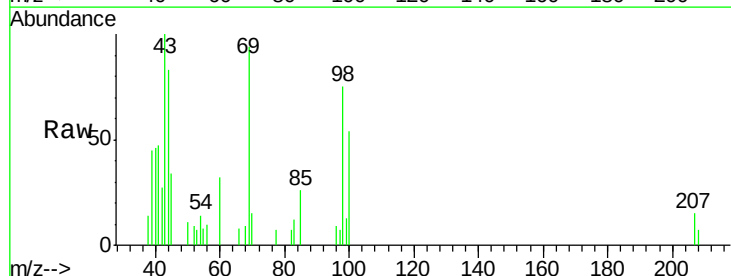


Abundance Ion 96.90 (96.60 to 97.60): VNC
 Ion 82.90 (82.60 to 83.60): VNC
 Ion 84.90 (84.60 to 85.60): VNC
 Ion 98.90 (98.60 to 99.60): VNC

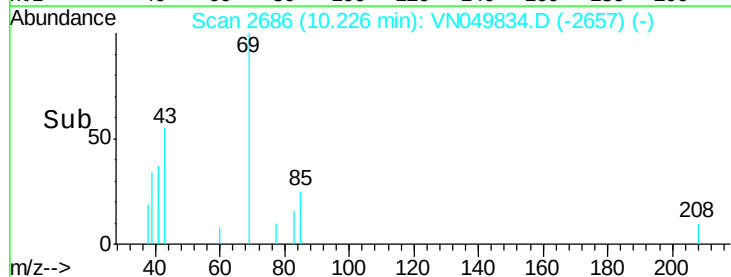
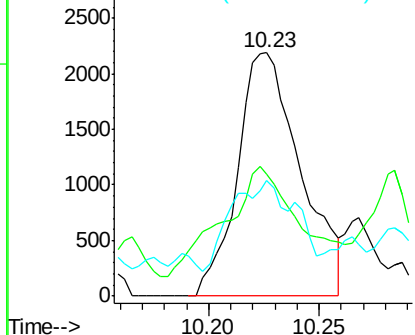


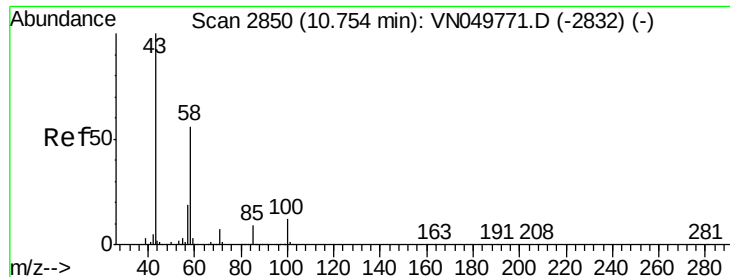
#56
 Ethyl methacrylate
 Concen: 0.23 ug/l
 RT: 10.23 min Scan# 2686
 Delta R.T. -0.21 min
 Lab File: VN049834.D
 Acq: 14 Jul 2018 8:06

Tgt Ion: 69 Resp: 4371
 Ion Ratio Lower Upper
 69 100
 41 54.4 51.6 77.4
 39 38.1 25.8 38.8



Abundance Ion 69.00 (68.70 to 69.70): VNC
 Ion 41.00 (40.70 to 41.70): VNC
 Ion 39.00 (38.70 to 39.70): VNC





#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

Instrument :

MSVOA_N

ClientSampled :

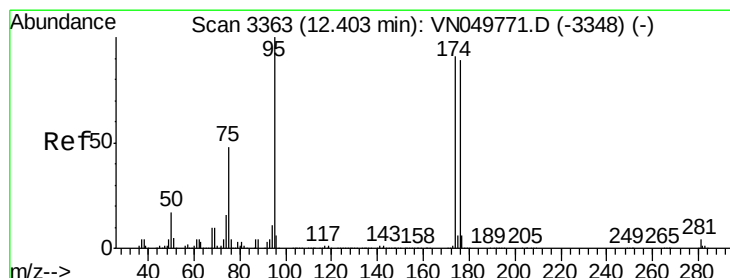
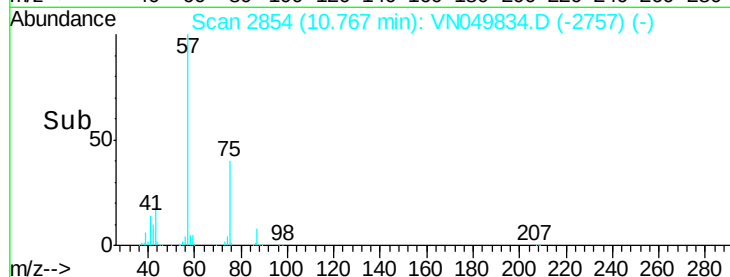
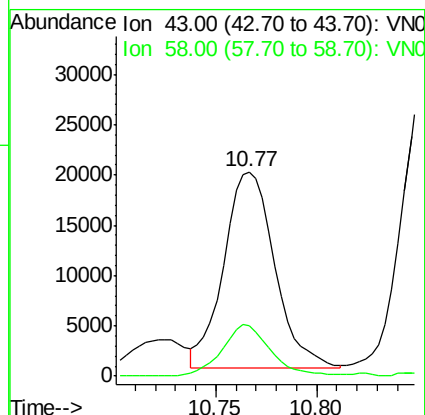
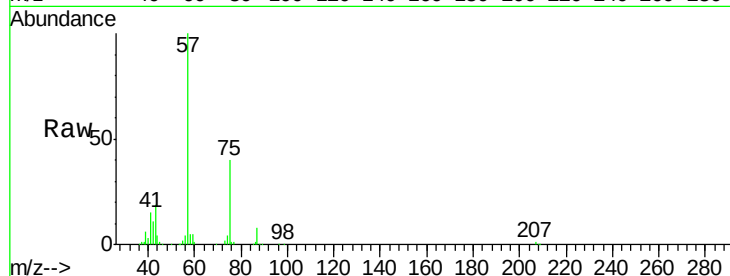
LS-SOIL-3

Tot Ion: 43 Resp: 34405

Ion Ratio Lower Upper

43 100

58 25.2 27.8 83.4#



#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

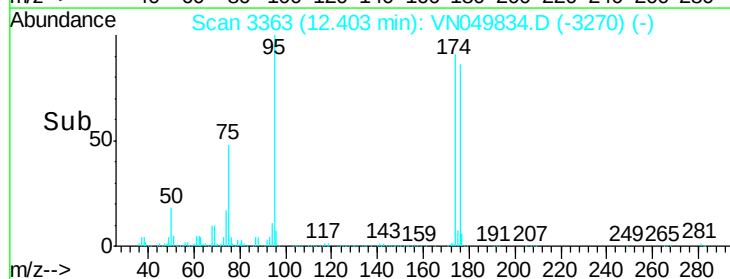
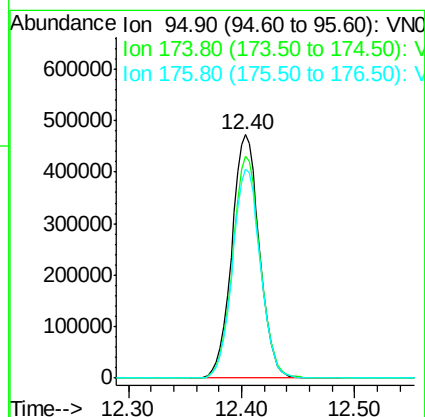
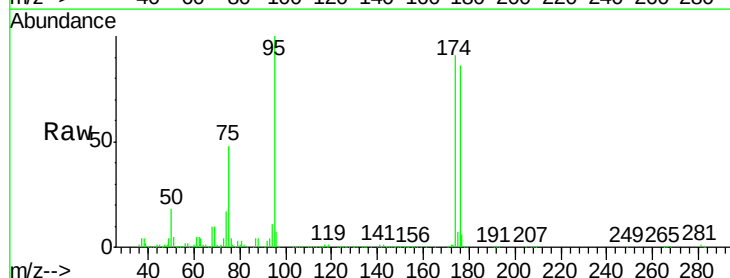
Tgt Ion: 95 Resp: 800186

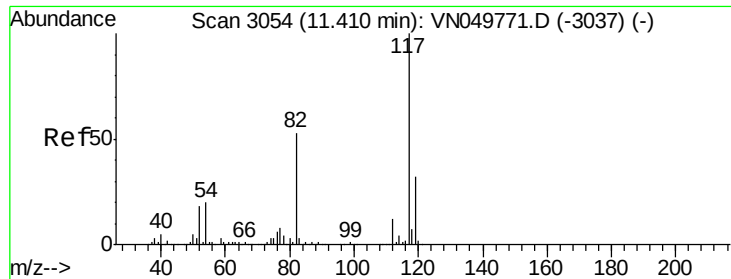
Ion Ratio Lower Upper

95 100

174 91.1 0.0 179.6

176 86.8 0.0 174.0

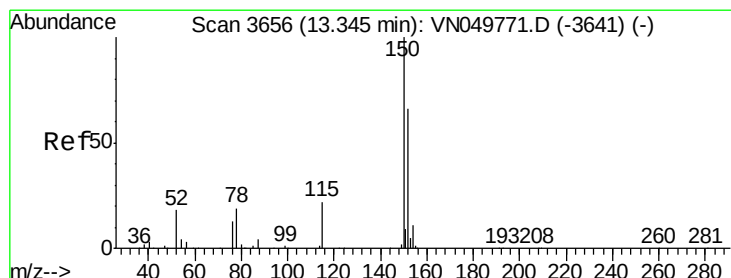
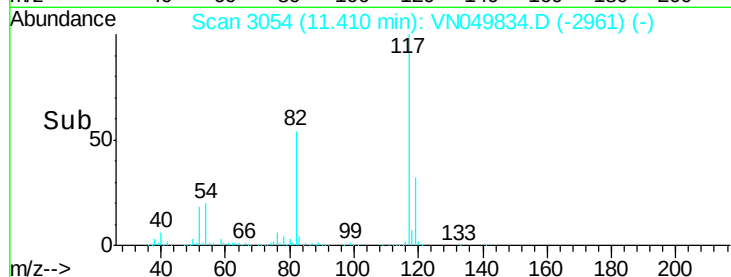
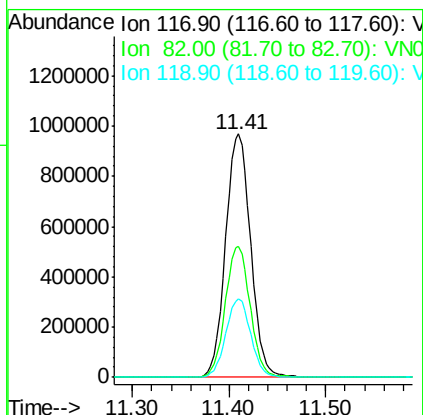
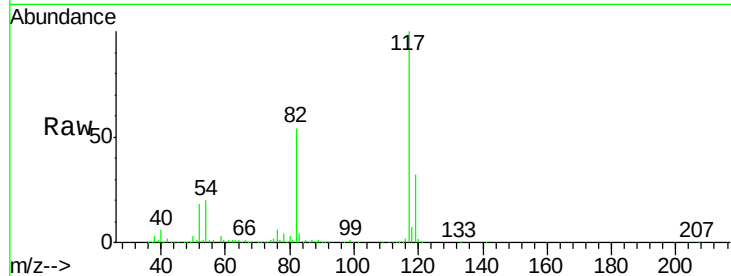




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

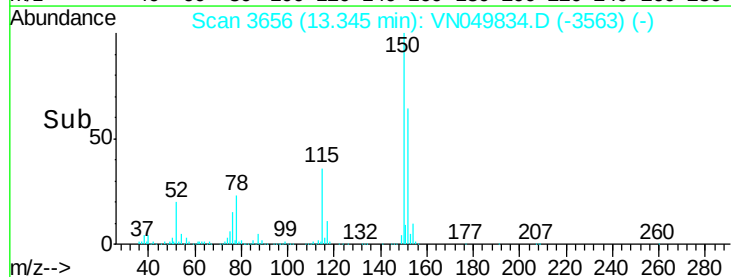
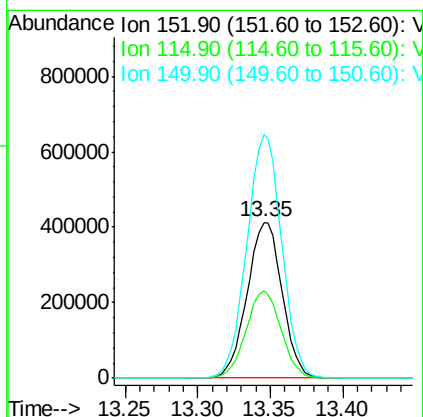
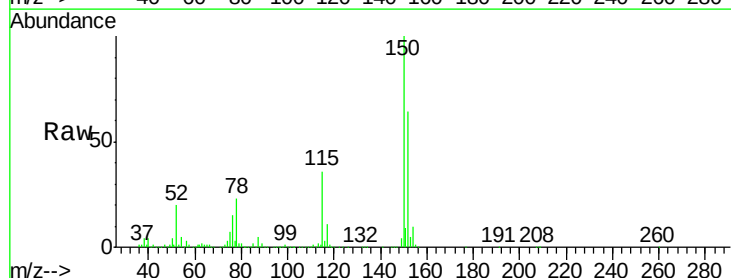
Instrument :
MSVOA_N
ClientSampleId :
LS-SOIL-3

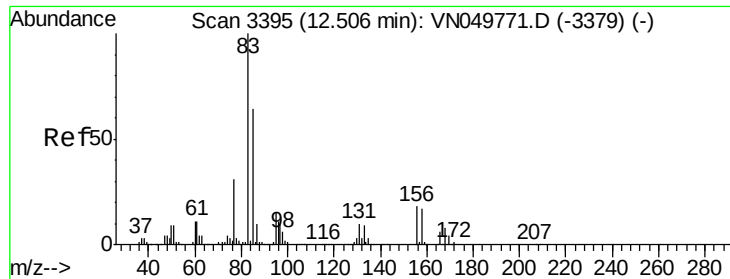
Tot Ion:117 Resp: 1745930
Ion Ratio Lower Upper
117 100
82 54.0 41.9 62.9
119 32.3 25.4 38.2



#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

Tgt Ion:152 Resp: 692756
Ion Ratio Lower Upper
152 100
115 56.1 28.1 84.2
150 156.0 0.0 347.6





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3404

Delta R.T. 0.03 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

Instrument :

MSVOA_N

ClientSampled :

LS-SOIL-3

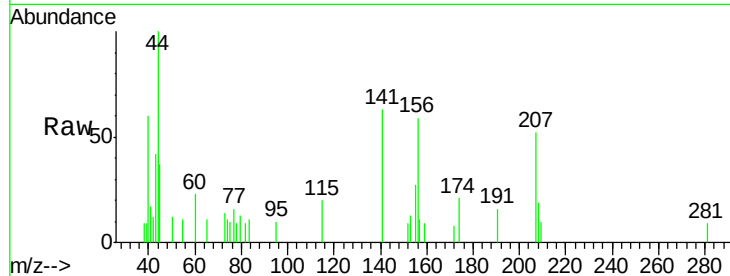
Tot Ion: 83 Resp: 69

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 0.0 32.5 97.4#

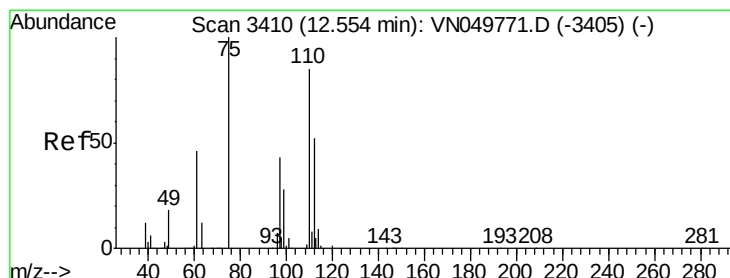
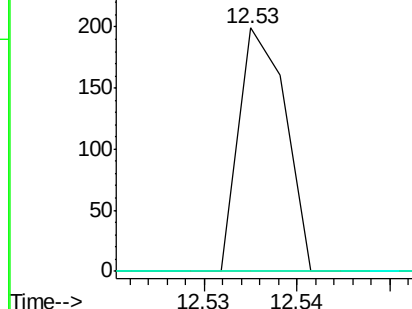
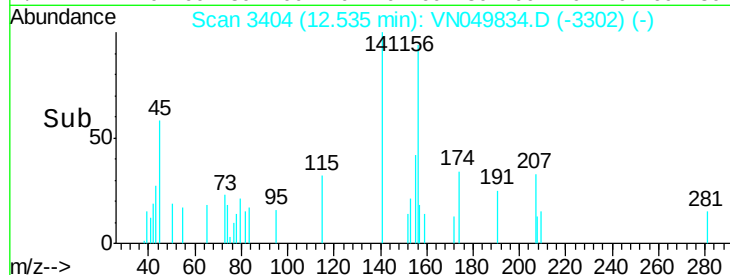


Abundance Ion 82.90 (82.60 to 83.60): VN049834.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049834.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049834.D (-3302) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.56 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049834.D

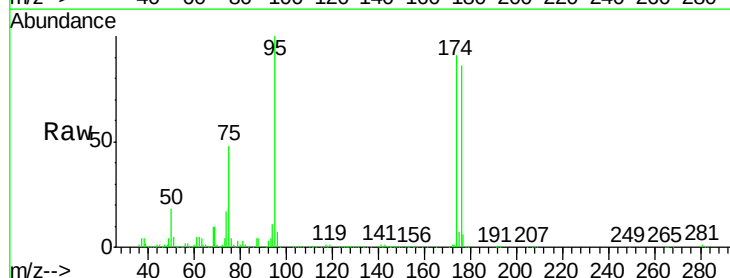
Acq: 14 Jul 2018 8:06

Tgt Ion: 75 Resp: 388452

Ion Ratio Lower Upper

75 100

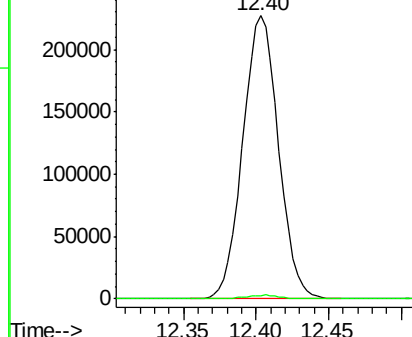
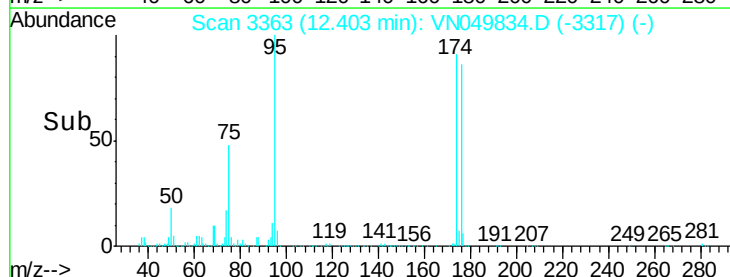
77 1.4 0.0 0.0#

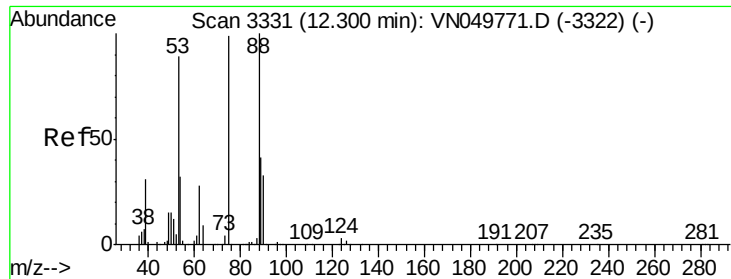


Abundance Ion 74.90 (74.60 to 75.60): VN049834.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049834.D (-3317) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 101.93 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

LS-SOIL-3

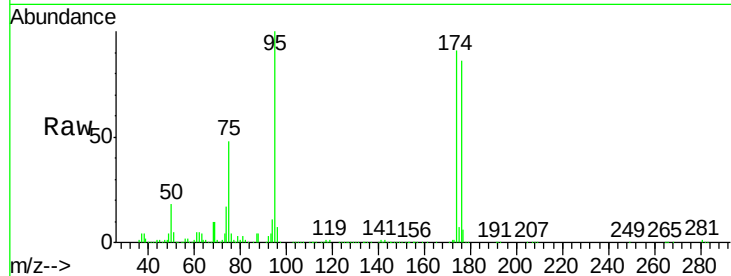
Tot Ion: 75 Resp: 388452

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

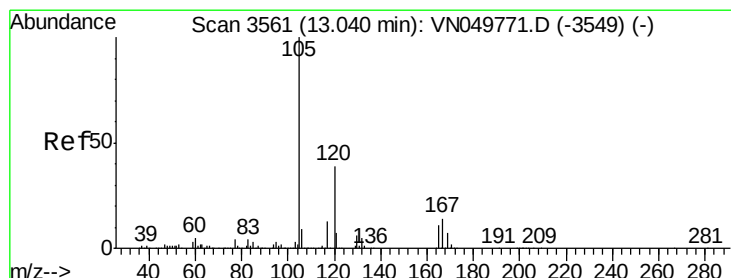
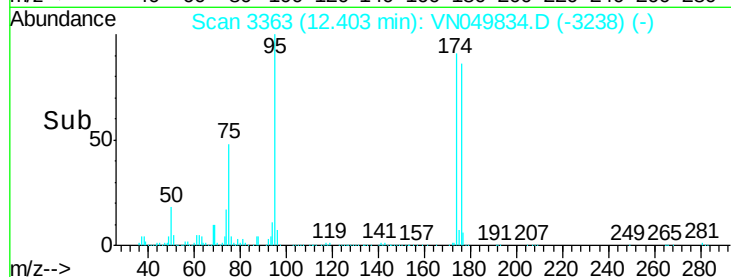
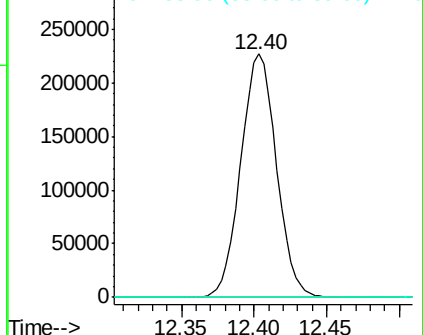
89 0.0 35.9 53.9#



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: 0.37 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049834.D

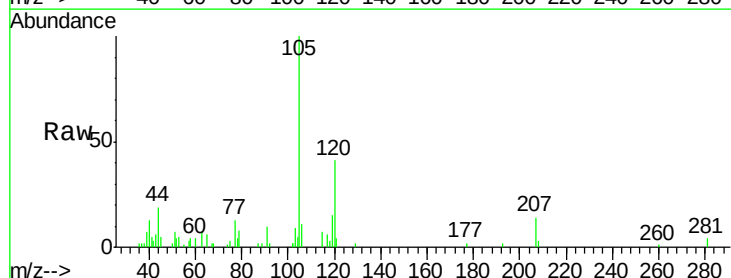
Acq: 14 Jul 2018 8:06

Tgt Ion: 105 Resp: 17068

Ion Ratio Lower Upper

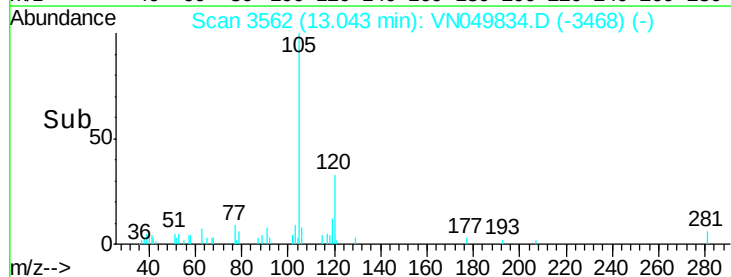
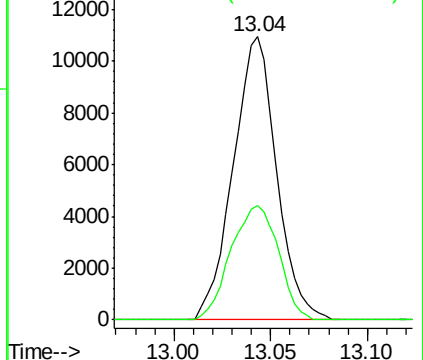
105 100

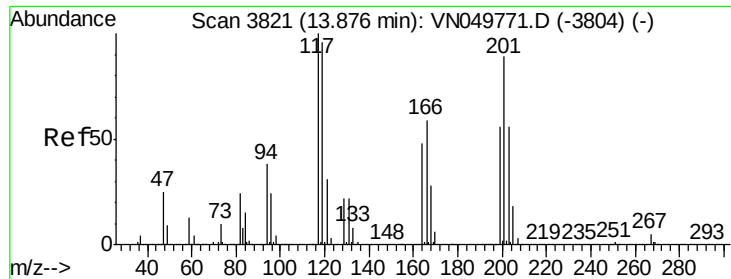
120 44.2 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.90 min Scan# 3827

Delta R.T. 0.02 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

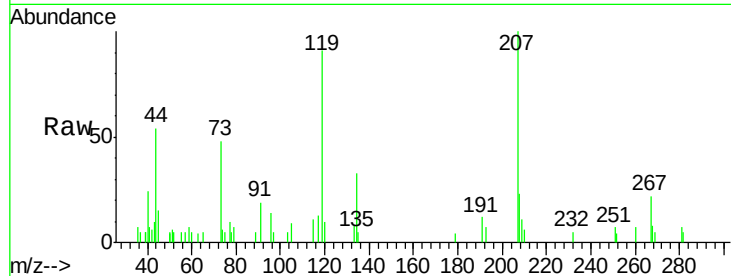
LS-SOIL-3

Tot Ion: 117 Resp: 775

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

13.90

500

400

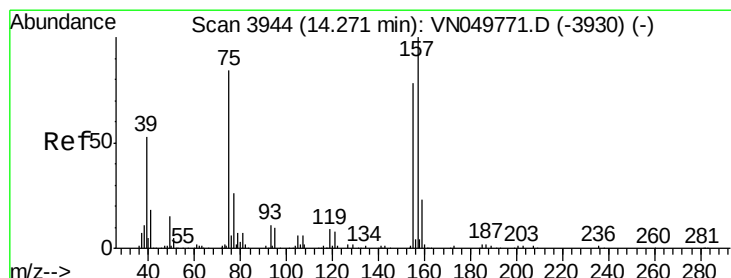
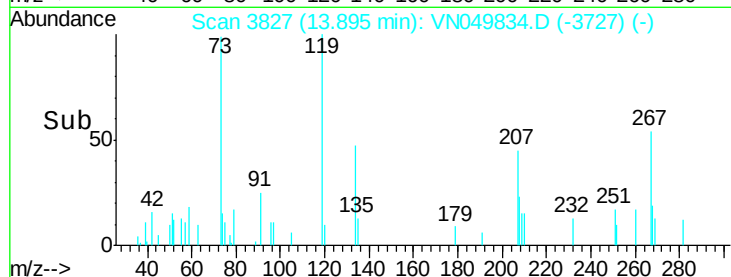
300

200

100

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN049834.D

Acq: 14 Jul 2018 8:06

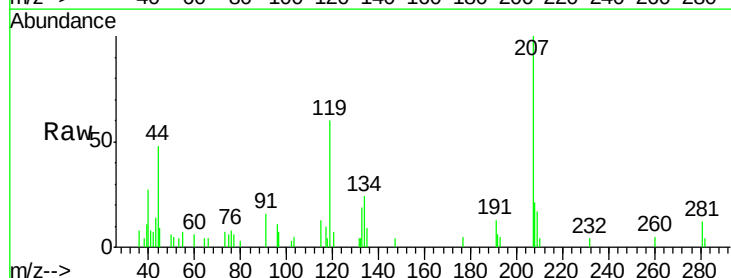
Tgt Ion: 75 Resp: 128

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

157 0.0 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.25

400

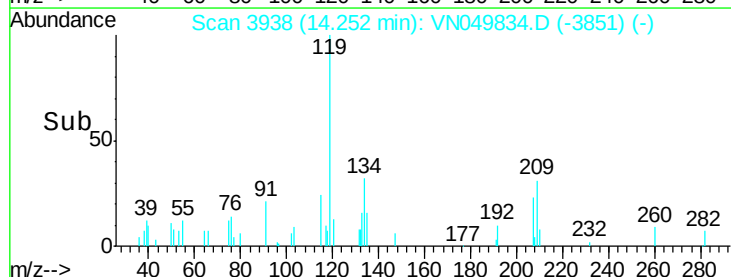
300

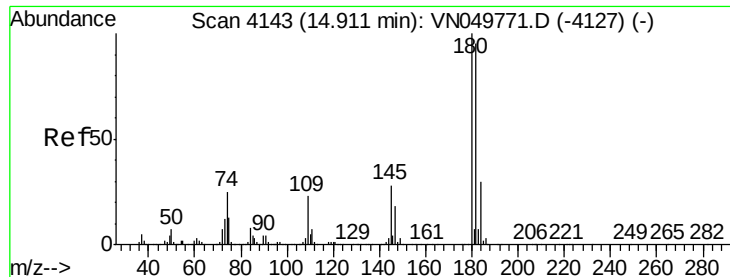
200

100

0

Time-->

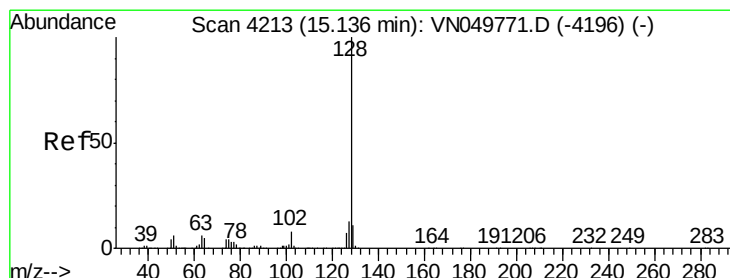
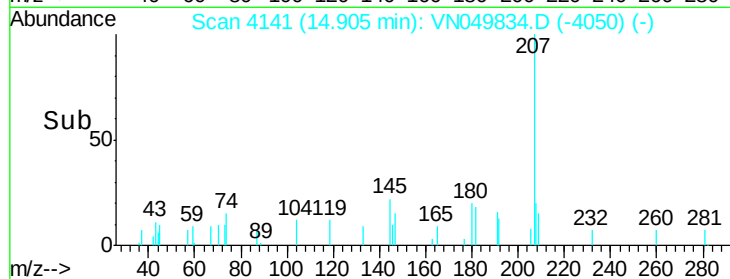
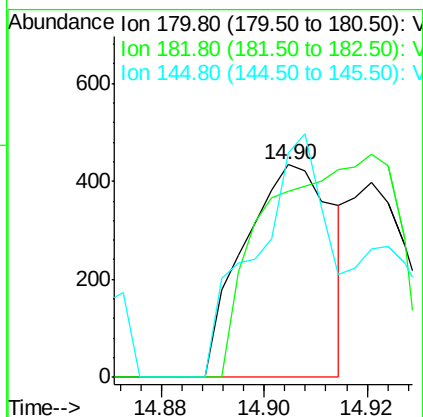
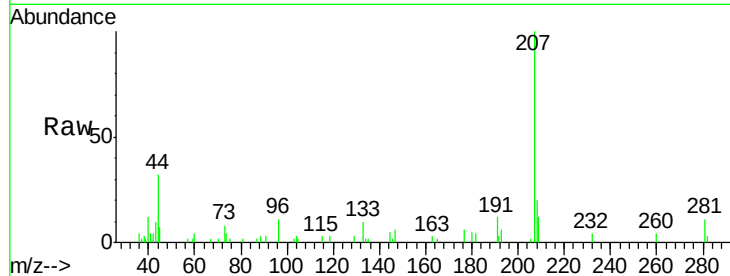




#93
1,2,4-Trichlorobenzene
Concen: 2.92 ug/l
RT: 14.90 min Scan# 4141
Delta R.T. -0.01 min
Lab File: VN049834.D
Acq: 14 Jul 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
LS-SOIL-3

Tot Ion:180 Resp: 519
Ion Ratio Lower Upper
180 100
182 152.0 47.3 141.9#
145 100.0 14.4 43.0#



#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

