

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006218.D
 Acq On : 19 Oct 2018 11:40
 Operator : VA/AP
 Sample : J5590-01RE
 Misc : 6.39G/5ML/MSVOA_W/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LS-SOIL-1

Quant Time: Oct 19 12:47:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	345169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	123655	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	95424	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.89	113	97243	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	10.33	98	344693	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	
62) 4-Bromofluorobenzene	12.62	95	110923	38.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.12%	

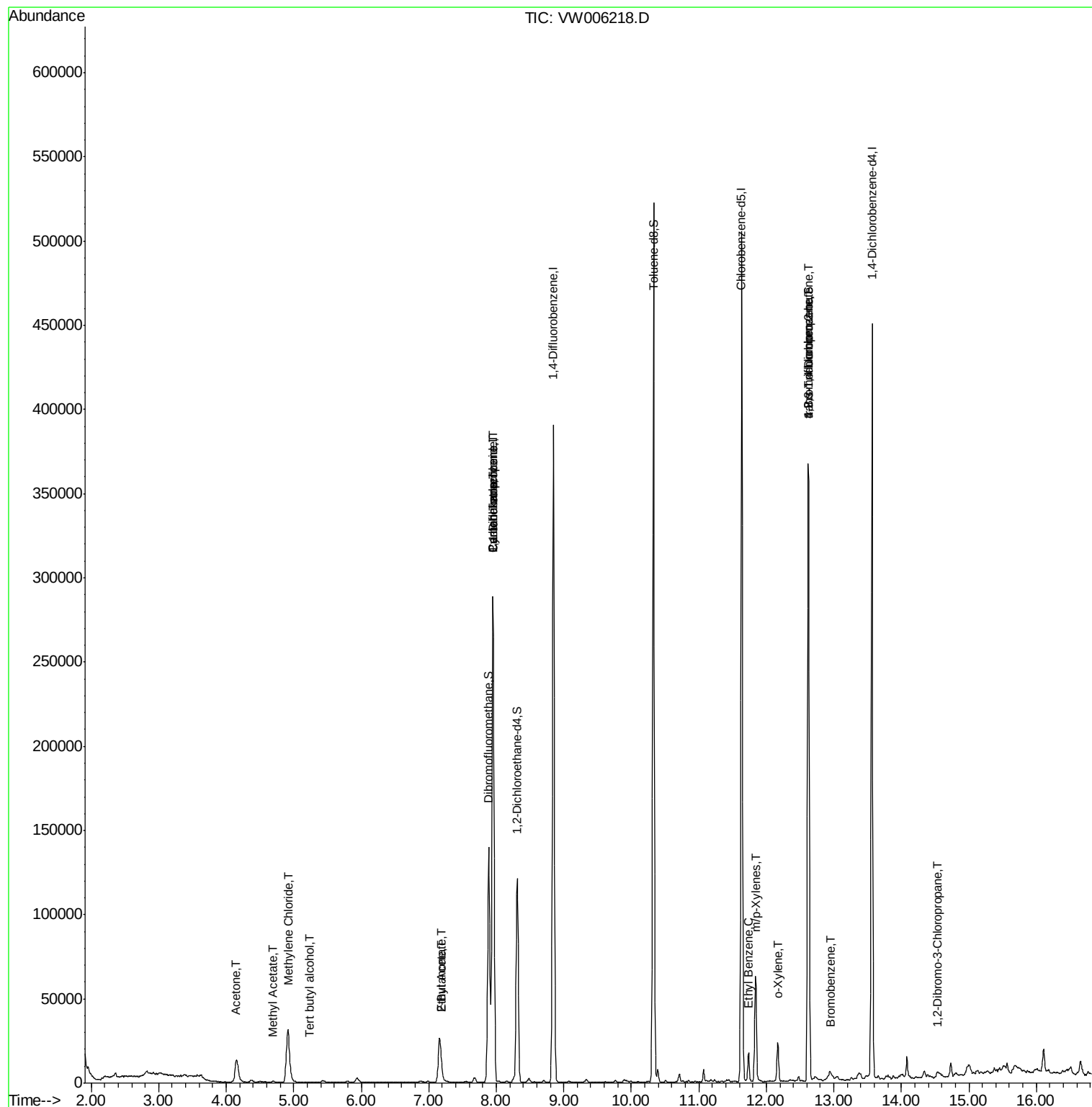
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	221	1.70	ug/l #	71
16) Acetone	4.15	43	29907	71.85	ug/l	99
18) Methyl Acetate	4.68	43	1191	1.22	ug/l #	64
20) Methylene Chloride	4.92	84	25694	11.29	ug/l	96
25) 2-Butanone	7.19	43	4976	9.52	ug/l #	82
31) Cyclohexane	7.95	56	4546	1.28	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	15775	4.96	ug/l #	48
37) Ethyl Acetate	7.19	43	4976	4.21	ug/l #	67
38) Carbon Tetrachloride	7.95	117	20675	5.93	ug/l #	17
67) Ethyl Benzene	11.74	91	11796	1.09	ug/l	99
68) m/p-Xylenes	11.84	106	19681	4.61	ug/l	97
69) o-Xylene	12.17	106	6359	1.56	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	57350	60.72	ug/l #	100
77) Bromobenzene	12.96	156	3652	1.71	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	57350	145.15	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.52	75	402	1.69	ug/l #	1

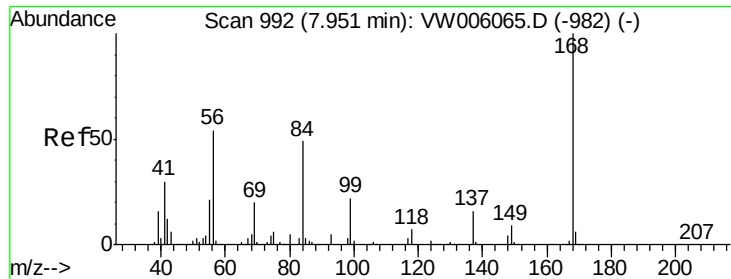
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006218.D

Acq: 19 Oct 2018 11:40

Instrument :

MSVOA_W

ClientSampleId :

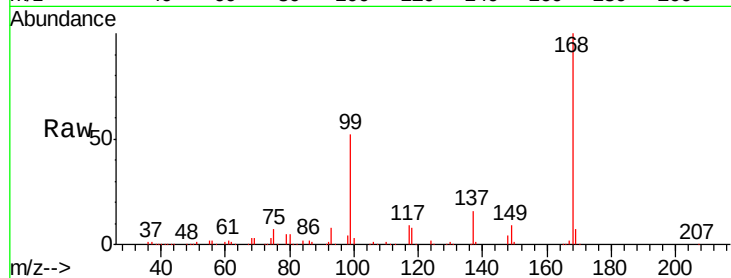
LS-SOIL-1

Tgt Ion: 168 Resp: 233368

Ion Ratio Lower Upper

168 100

99 52.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

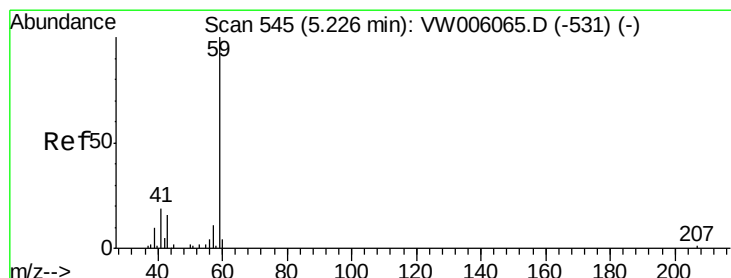
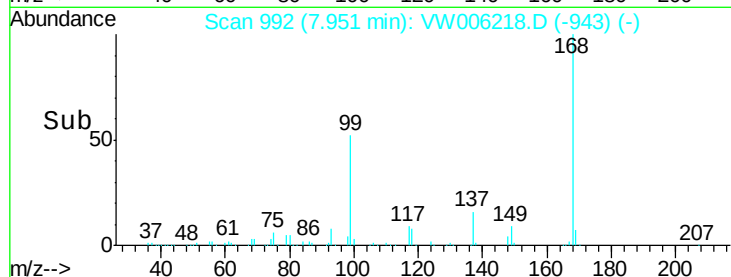
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.70 ug/l

RT: 5.23 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW006218.D

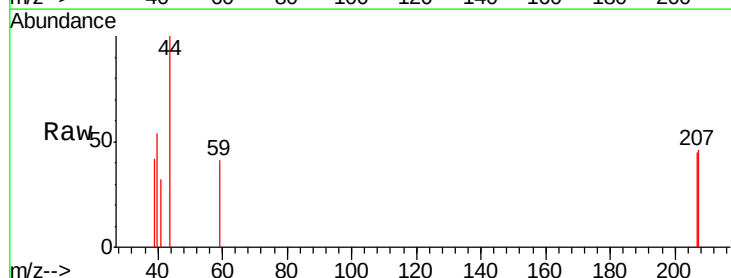
Acq: 19 Oct 2018 11:40

Tgt Ion: 59 Resp: 221

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

100

80

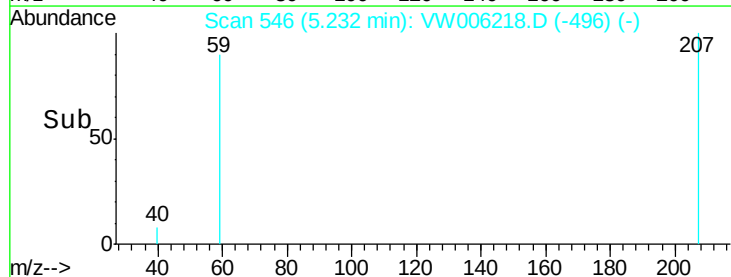
60

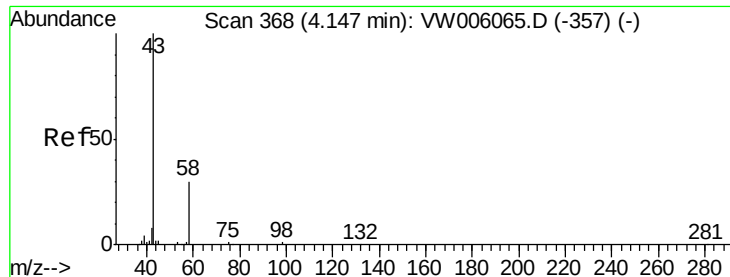
40

20

0

Time--> 5.20 5.25





#16

Acetone

Concen: 71.85 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW006218.D

Acq: 19 Oct 2018 11:40

Instrument :

MSVOA_W

ClientSampleId :

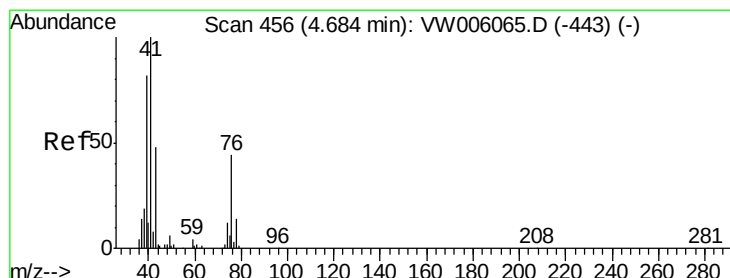
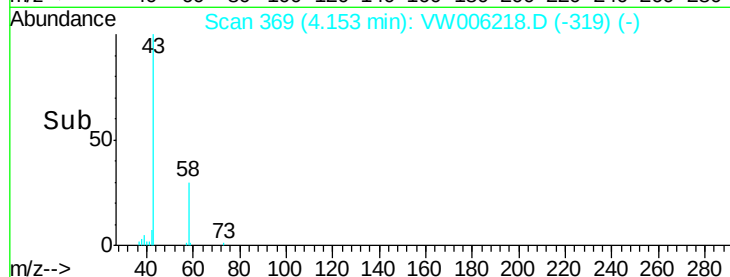
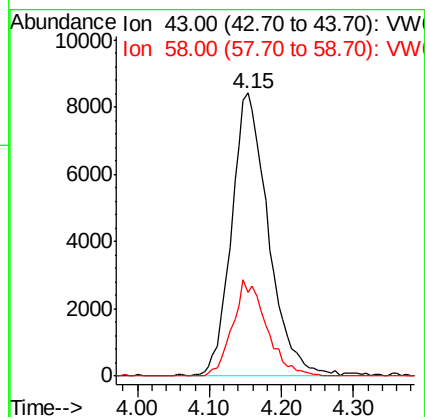
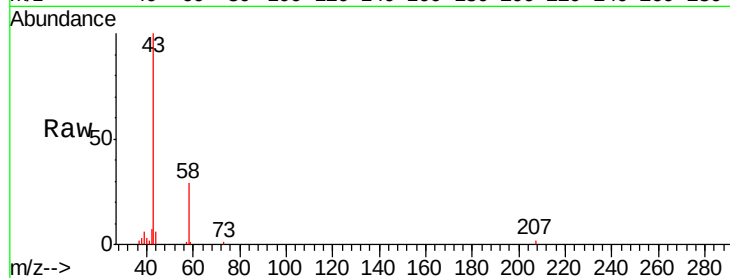
LS-SOIL-1

Tgt Ion: 43 Resp: 29907

Ion Ratio Lower Upper

43 100

58 29.4 24.0 36.0



#18

Methyl Acetate

Concen: 1.22 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006218.D

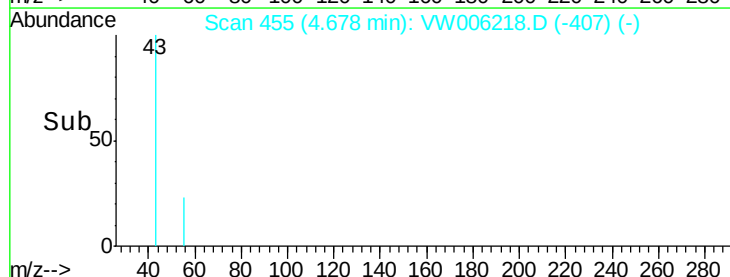
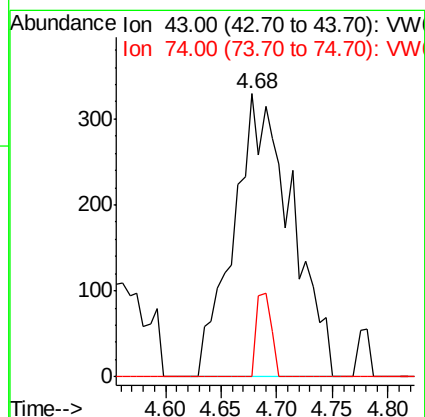
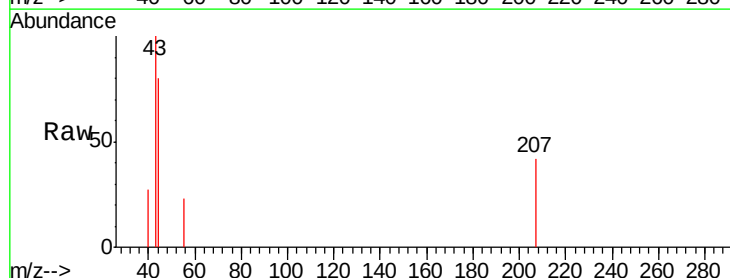
Acq: 19 Oct 2018 11:40

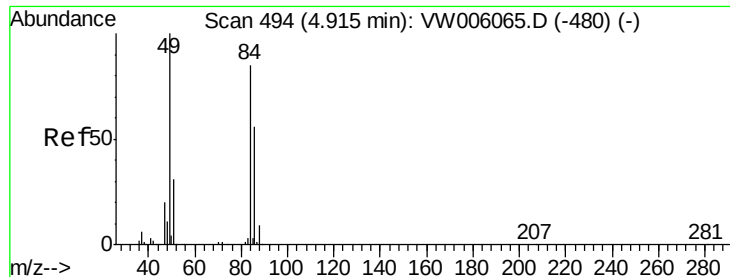
Tgt Ion: 43 Resp: 1191

Ion Ratio Lower Upper

43 100

74 7.5 20.5 30.7#

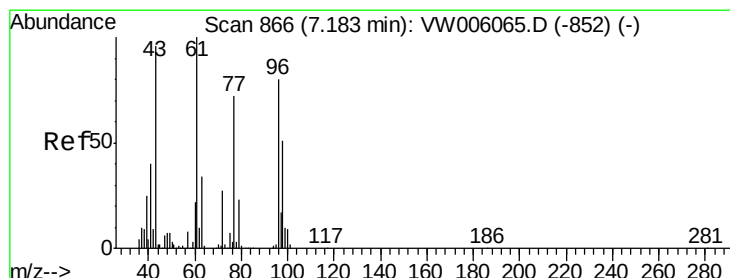
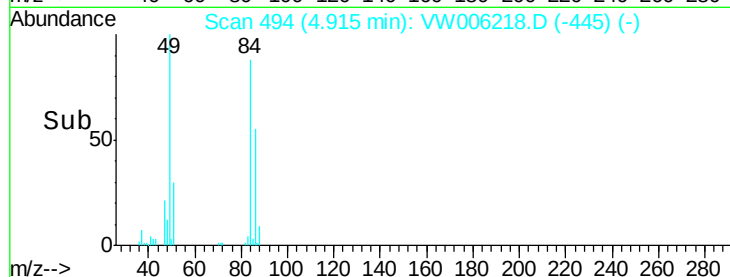
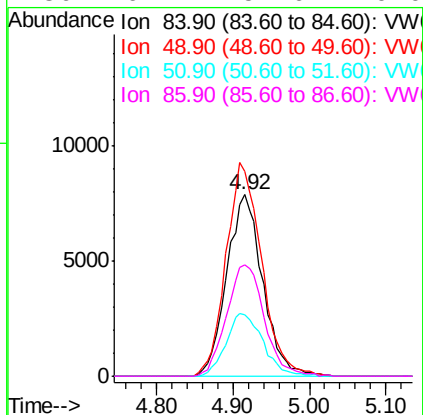
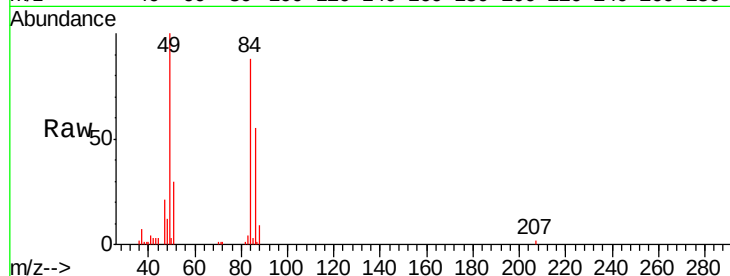




#20
Methylene Chloride
Concen: 11.29 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006218.D
Acq: 19 Oct 2018 11:40

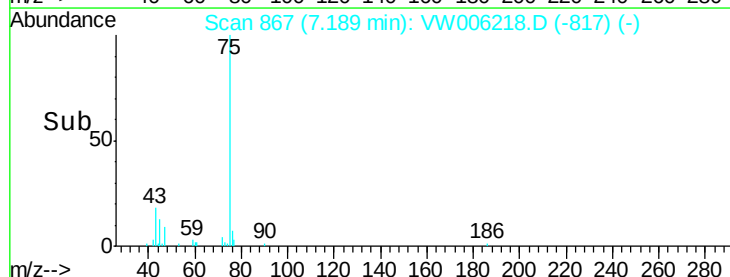
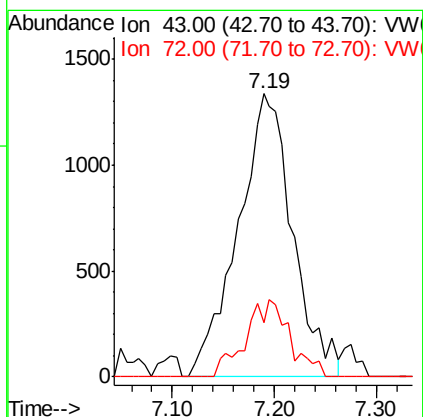
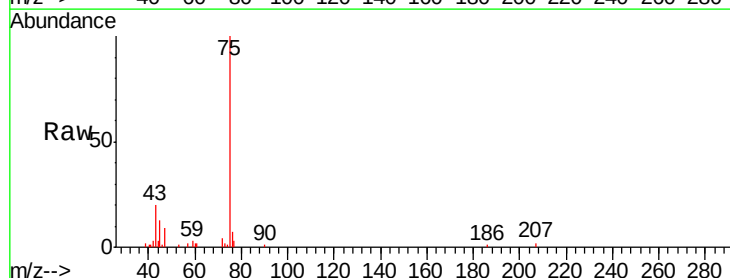
Instrument :
MSVOA_W
ClientSampled :
LS-SOIL-1

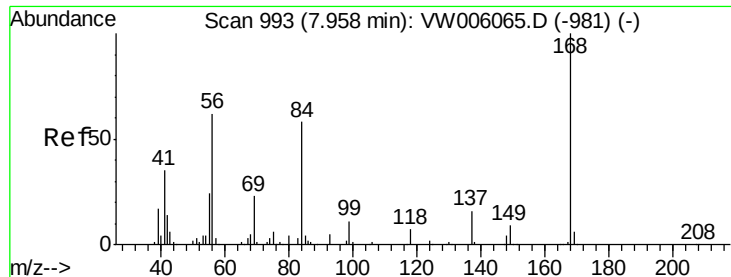
Tgt Ion:	84	Resp:	25694
Ion	Ratio	Lower	Upper
84	100		
49	113.1	93.6	140.4
51	33.8	29.0	43.4
86	61.7	52.6	79.0



#25
2-Butanone
Concen: 9.52 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW006218.D
Acq: 19 Oct 2018 11:40

Tgt Ion:	43	Resp:	4976
Ion	Ratio	Lower	Upper
43	100		
72	19.1	22.8	34.2#

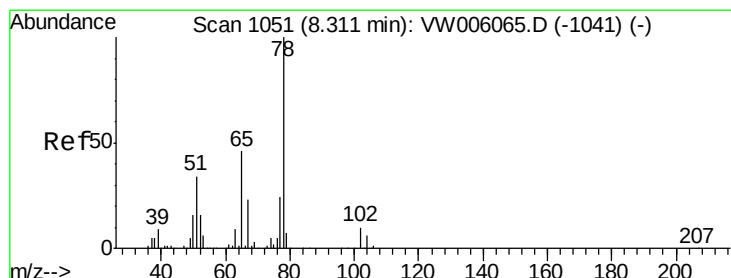
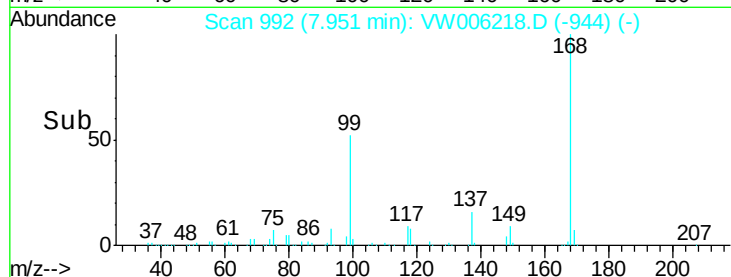
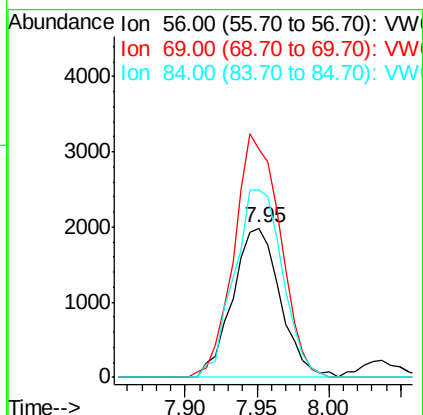
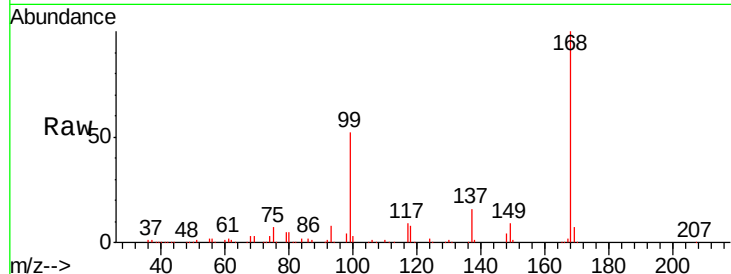




#31
Cyclohexane
Concen: 1.28 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006218.D
Acq: 19 Oct 2018 11:40

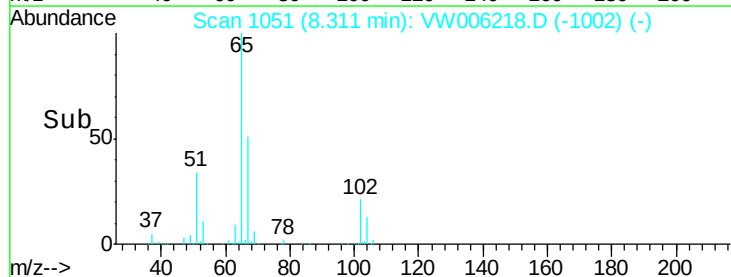
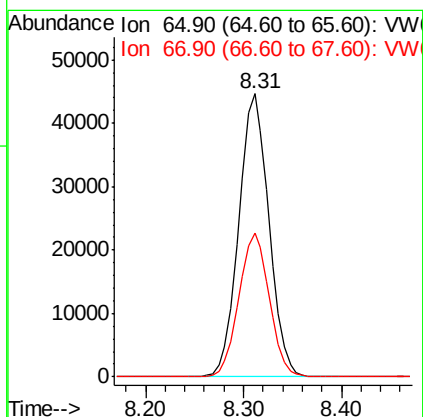
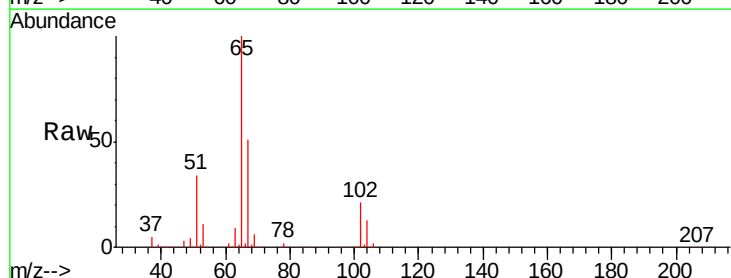
Instrument :
MSVOA_W
ClientSampled :
LS-SOIL-1

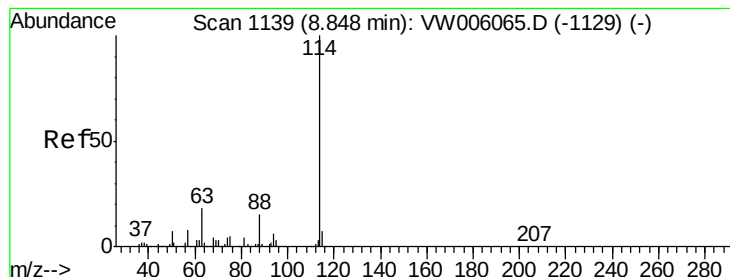
Tgt Ion: 56 Resp: 4546
Ion Ratio Lower Upper
56 100
69 153.3 29.4 44.0#
84 125.5 74.0 111.0#



#33
1,2-Dichloroethane-d4
Concen: 49.32 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW006218.D
Acq: 19 Oct 2018 11:40

Tgt Ion: 65 Resp: 95424
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006218.D

Acq: 19 Oct 2018 11:40

Instrument :

MSVOA_W

ClientSampleId :

LS-SOIL-1

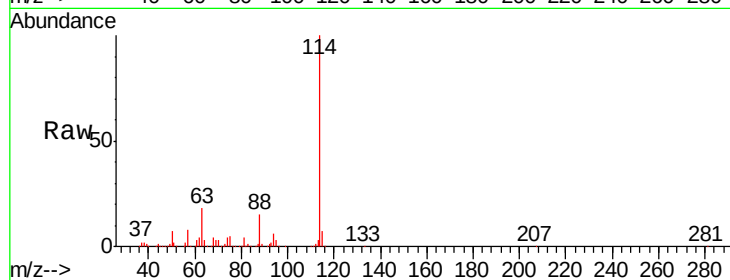
Tgt Ion:114 Resp: 345169

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

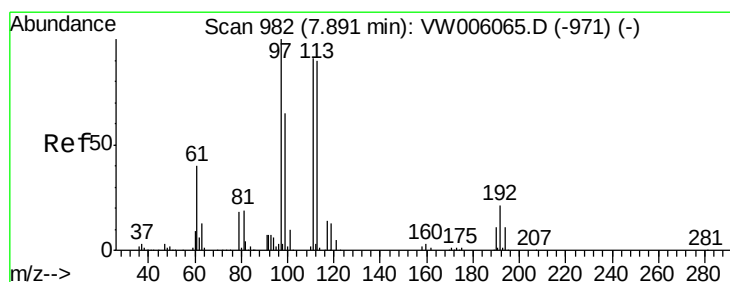
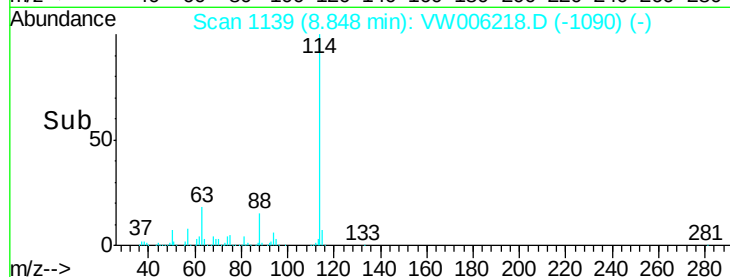
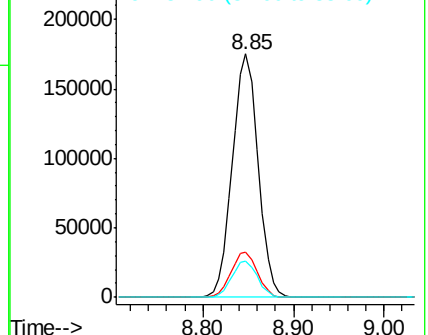
88 14.7 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 47.68 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006218.D

Acq: 19 Oct 2018 11:40

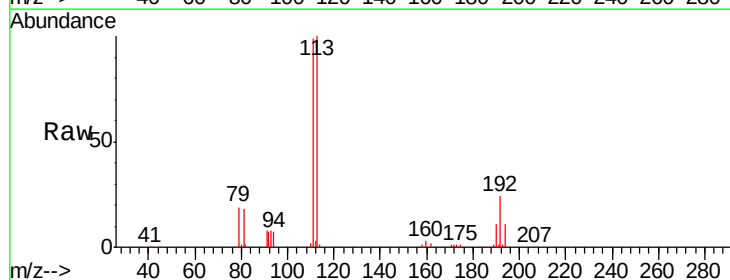
Tgt Ion:113 Resp: 97243

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

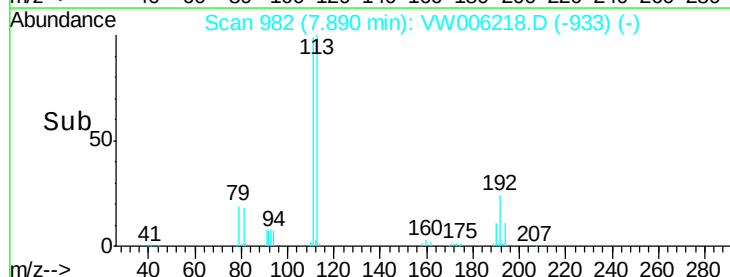
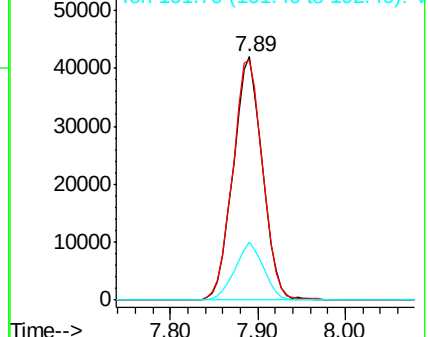
192 23.2 18.7 28.1

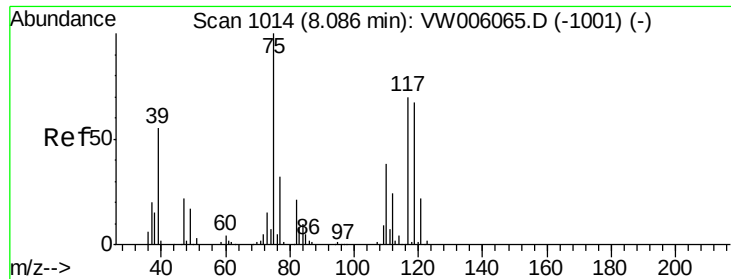


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

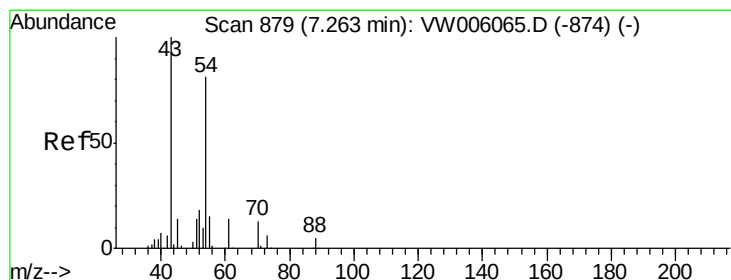
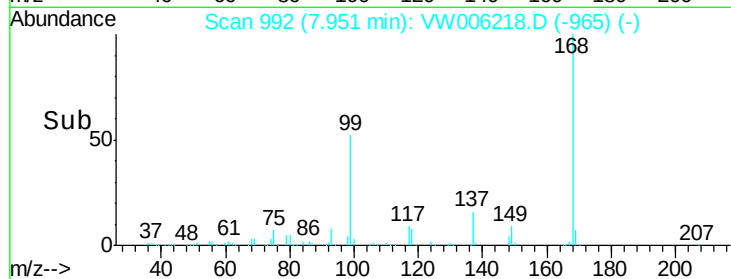
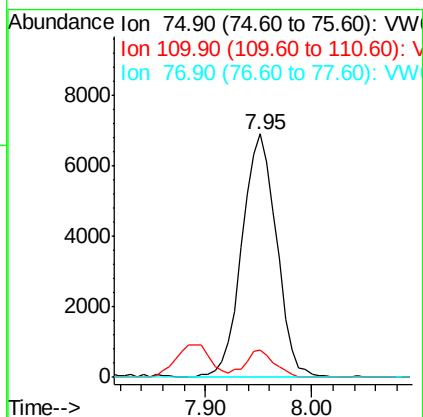
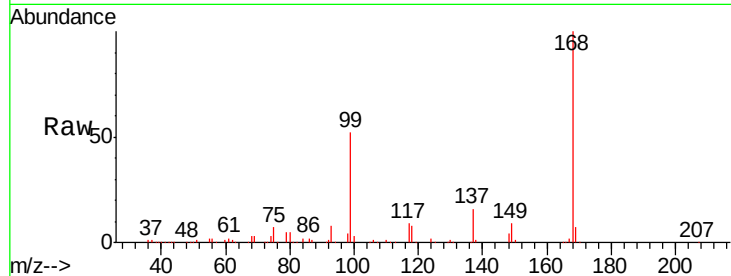




#36
 1,1-Dichloropropene
 Concen: 4.96 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006218.D
 Acq: 19 Oct 2018 11:40

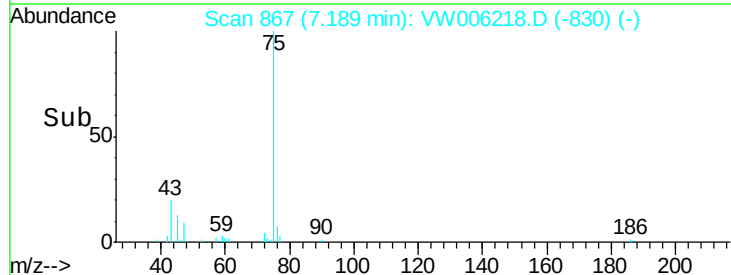
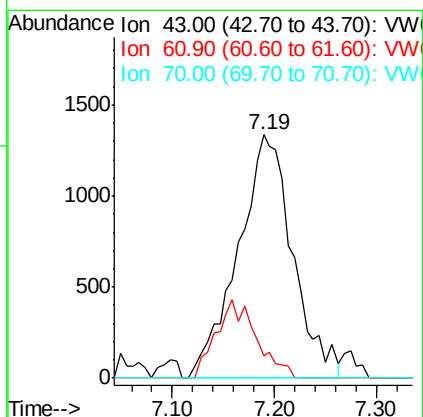
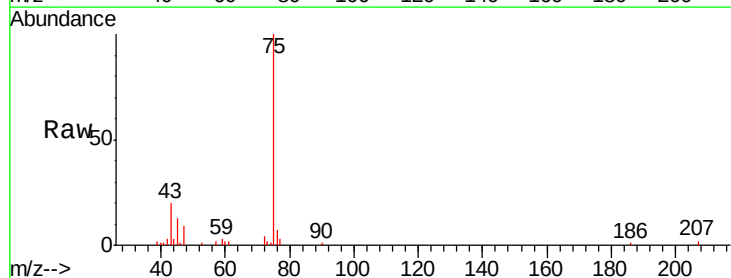
Instrument :
 MSVOA_W
 ClientSampled :
 LS-SOIL-1

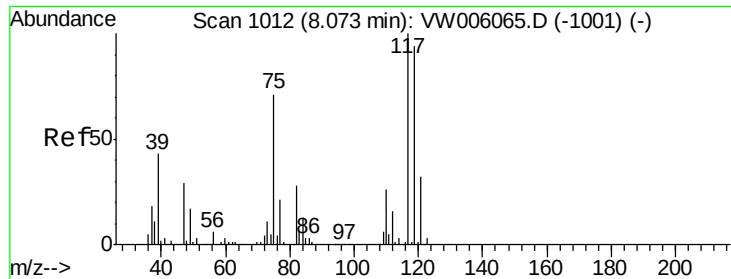
Tgt Ion: 75 Resp: 15775
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.1 57.1#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 4.21 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VW006218.D
 Acq: 19 Oct 2018 11:40

Tgt Ion: 43 Resp: 4976
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 5.93 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006218.D

Acq: 19 Oct 2018 11:40

Instrument :

MSVOA_W

ClientSampleId :

LS-SOIL-1

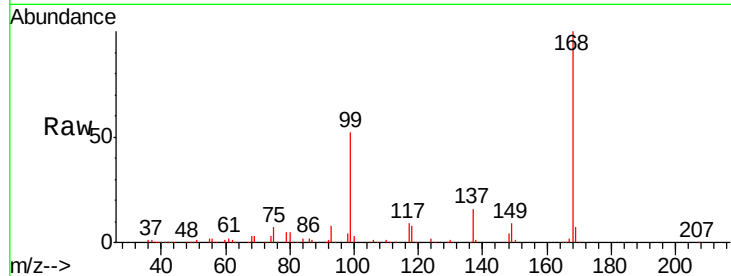
Tgt Ion:117 Resp: 20675

Ion Ratio Lower Upper

117 100

119 5.0 75.2 112.8#

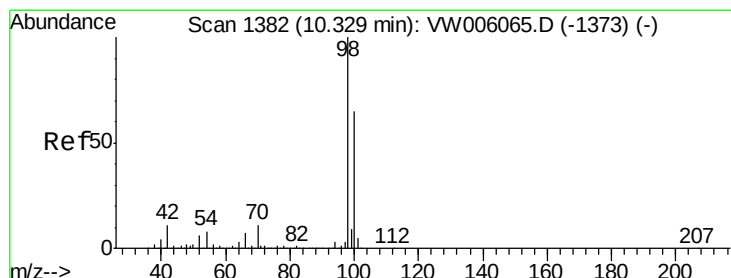
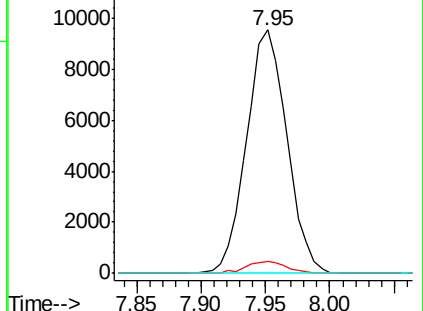
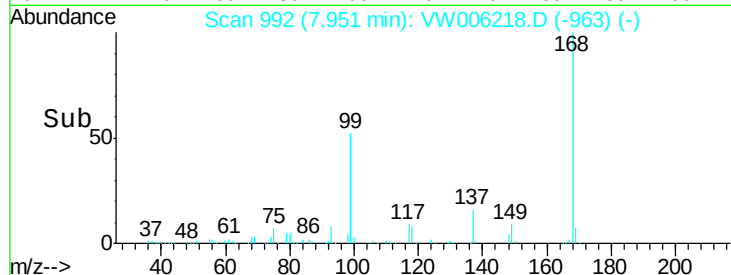
121 0.0 25.3 37.9#



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



#50

Toluene-d8

Concen: 44.42 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006218.D

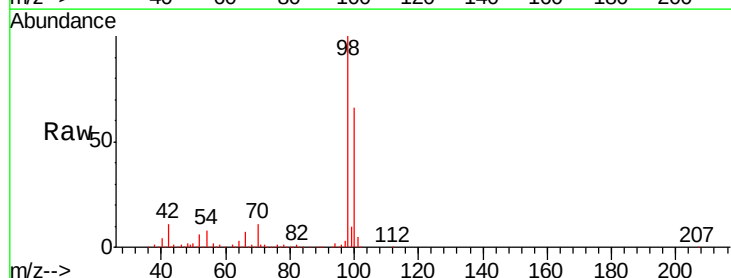
Acq: 19 Oct 2018 11:40

Tgt Ion: 98 Resp: 344693

Ion Ratio Lower Upper

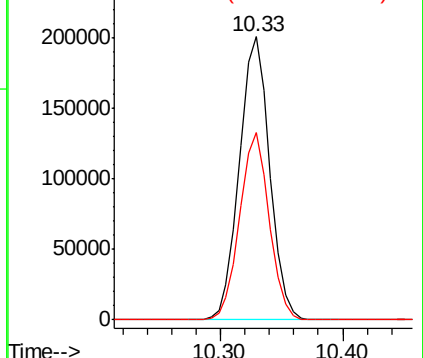
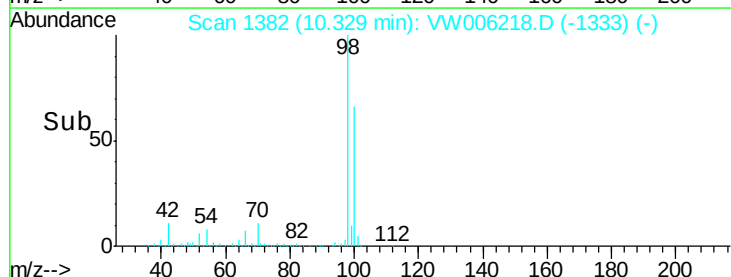
98 100

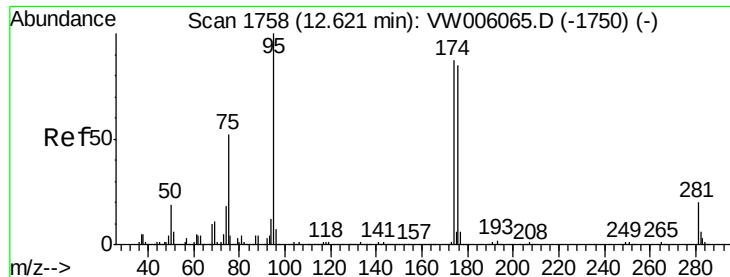
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

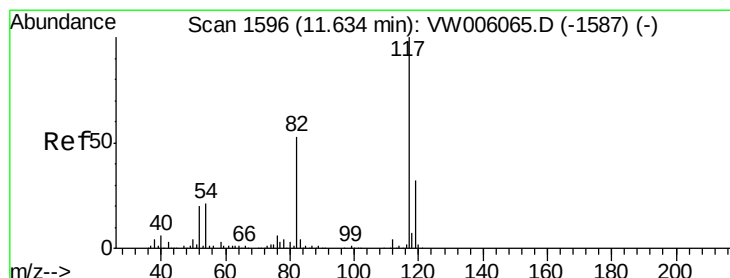
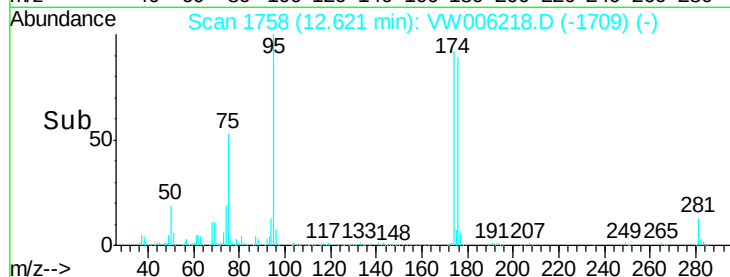
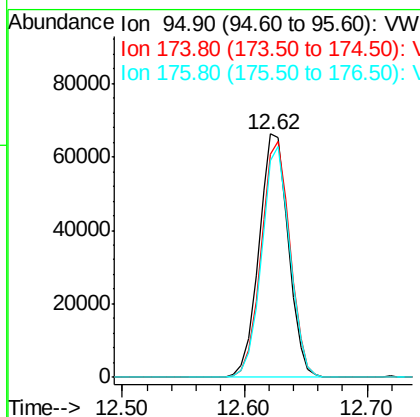
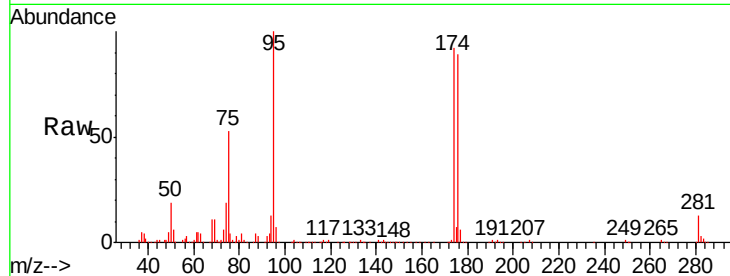




#62
4-Bromofluorobenzene
Concen: 38.06 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006218.D
Acq: 19 Oct 2018 11:40

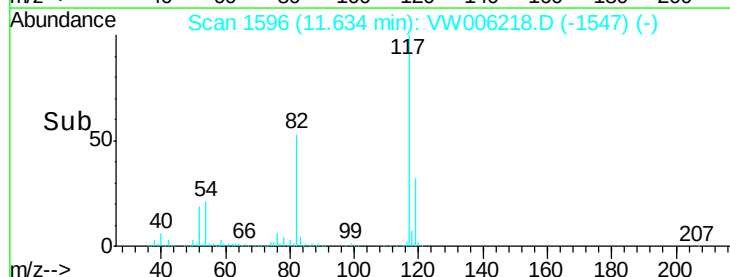
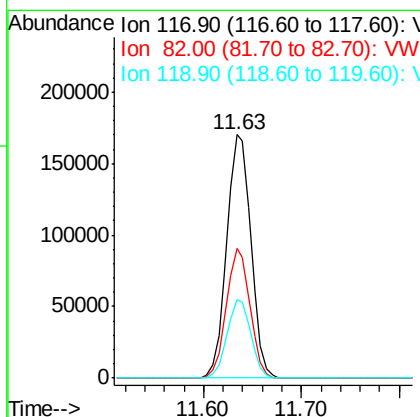
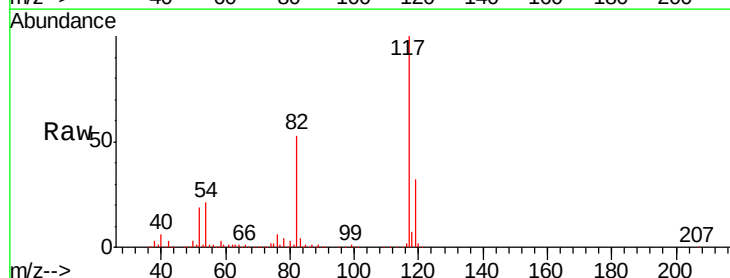
Instrument :
MSVOA_W
ClientSampleId :
LS-SOIL-1

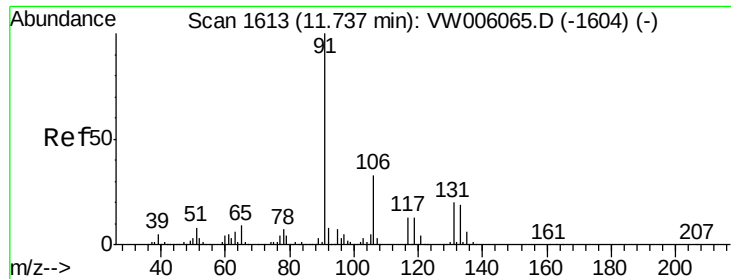
Tgt Ion: 95 Resp: 110923
Ion Ratio Lower Upper
95 100
174 94.7 0.0 186.0
176 90.7 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006218.D
Acq: 19 Oct 2018 11:40

Tgt Ion: 117 Resp: 290848
Ion Ratio Lower Upper
117 100
82 53.2 42.1 63.1
119 32.3 25.8 38.6

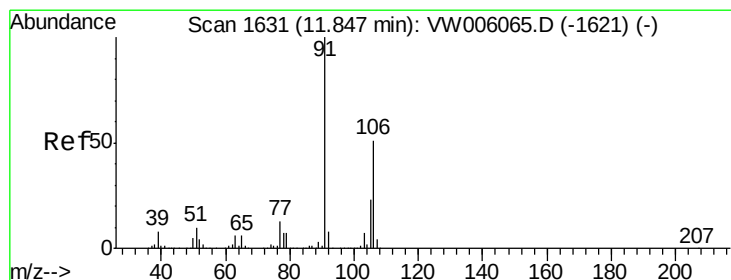
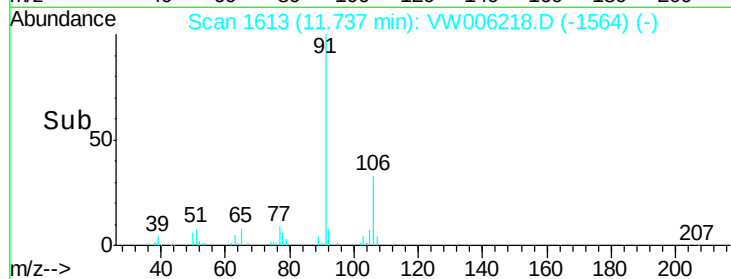
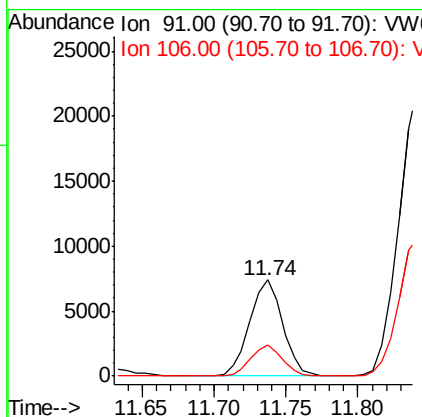
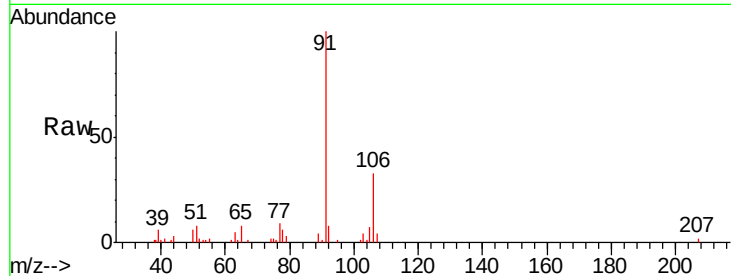




#67
Ethyl Benzene
Concen: 1.09 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006218.D
Acq: 19 Oct 2018 11:40

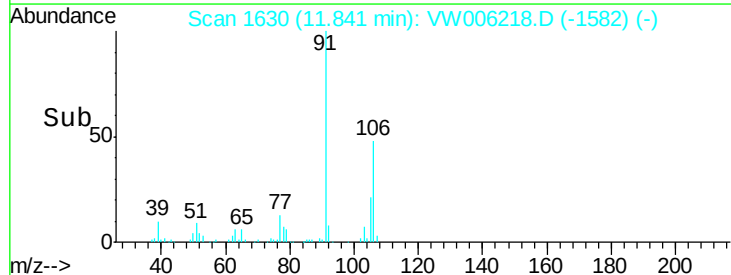
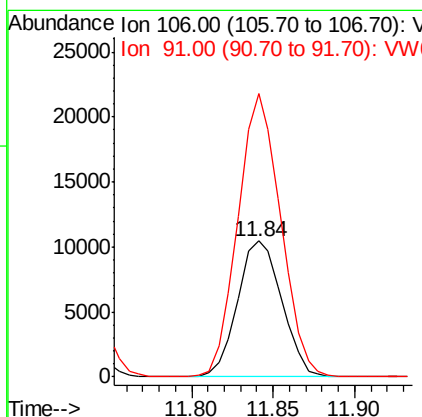
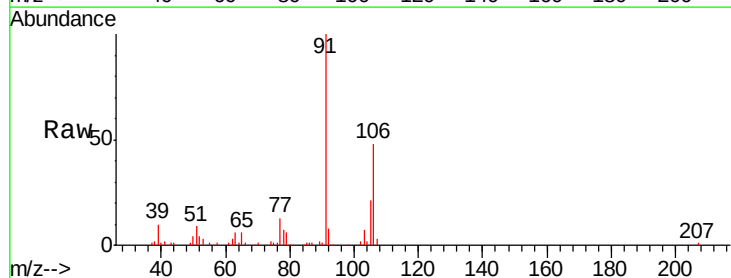
Instrument :
MSVOA_W
ClientSampled :
LS-SOIL-1

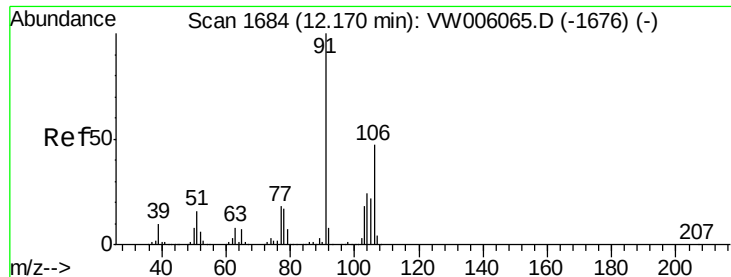
Tgt Ion: 91 Resp: 11796
Ion Ratio Lower Upper
91 100
106 33.0 26.1 39.1



#68
m/p-Xylenes
Concen: 4.61 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006218.D
Acq: 19 Oct 2018 11:40

Tgt Ion: 106 Resp: 19681
Ion Ratio Lower Upper
106 100
91 202.7 159.1 238.7

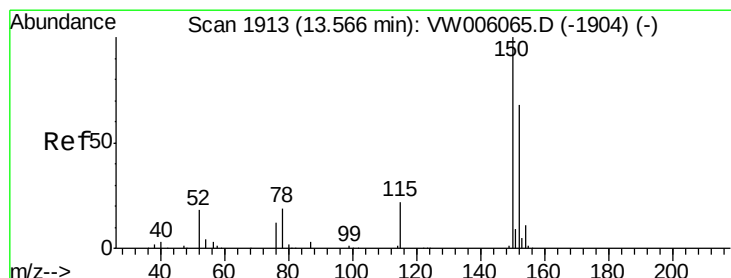
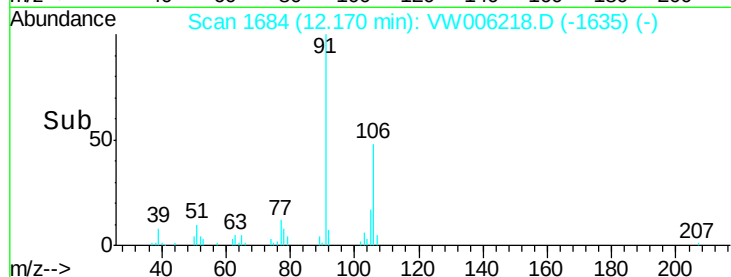
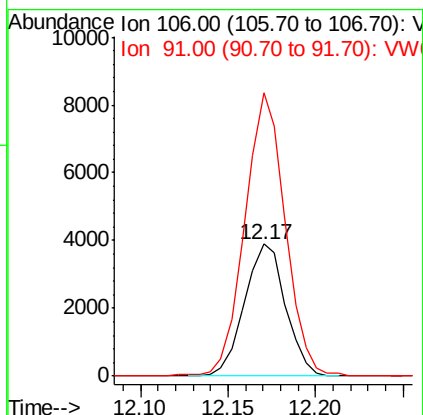
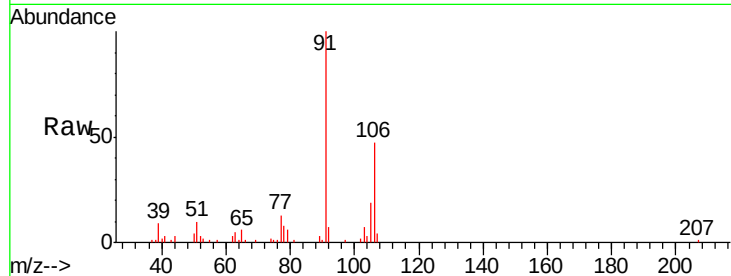




#69
o-Xylene
Concen: 1.56 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006218.D
Acq: 19 Oct 2018 11:40

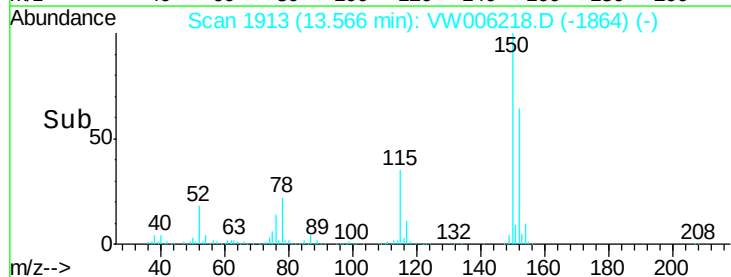
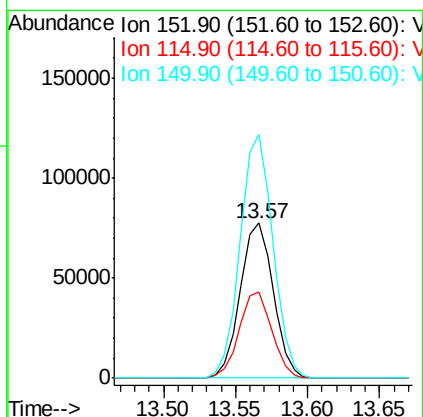
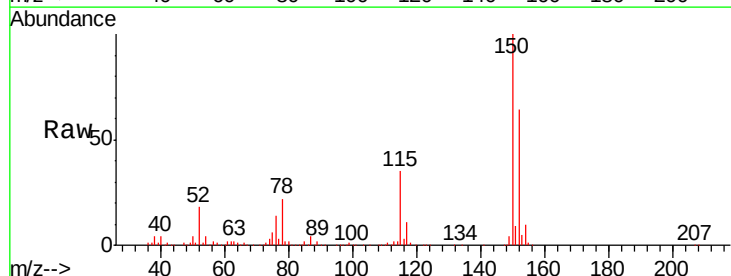
Instrument :
MSVOA_W
ClientSampled :
LS-SOIL-1

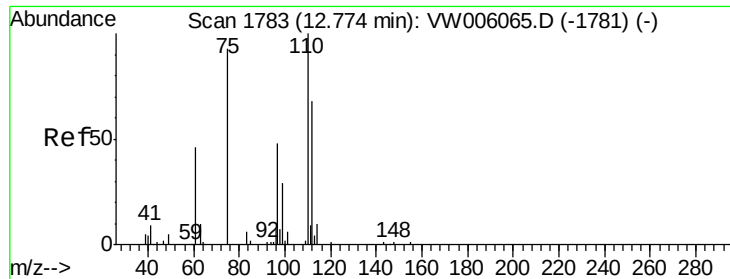
Tgt Ion:106 Resp: 6359
Ion Ratio Lower Upper
106 100
91 211.4 105.4 316.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006218.D
Acq: 19 Oct 2018 11:40

Tgt Ion:152 Resp: 123655
Ion Ratio Lower Upper
152 100
115 55.2 27.8 83.3
150 156.1 0.0 349.2

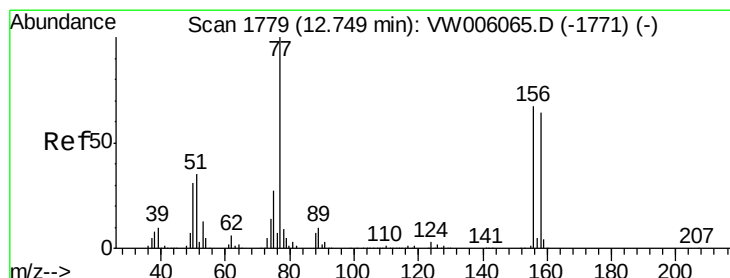
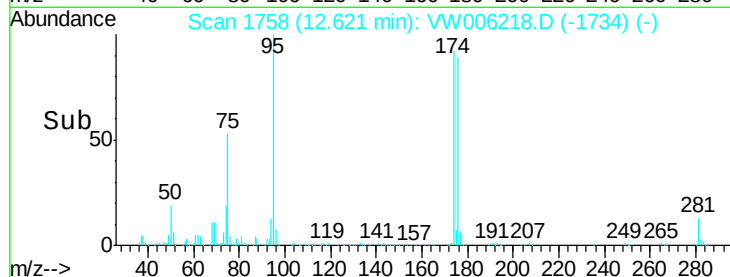
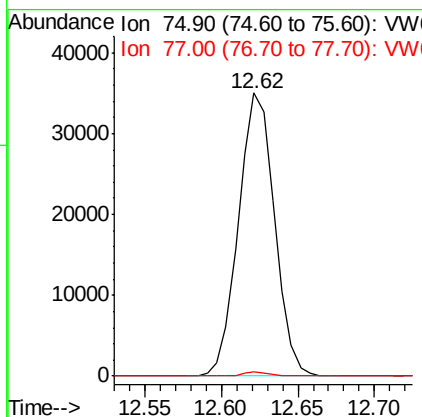
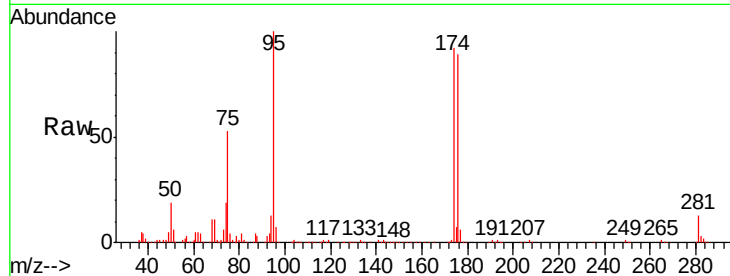




#76
 1,2,3-Trichloropropane
 Concen: 60.72 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006218.D
 Acq: 19 Oct 2018 11:40

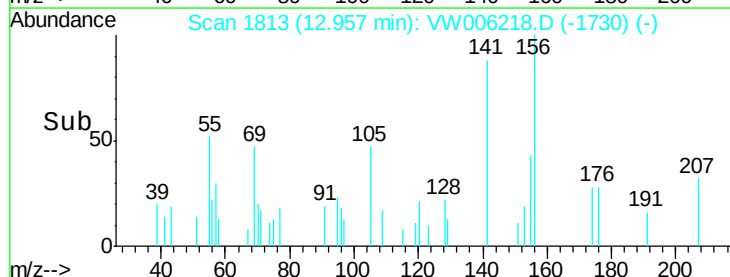
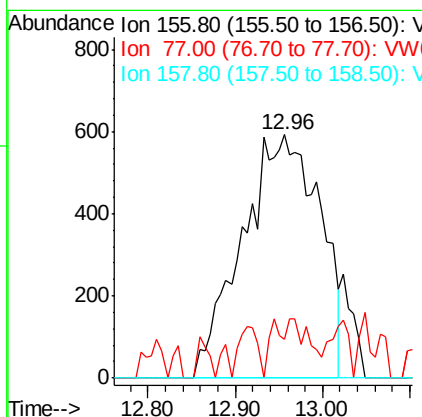
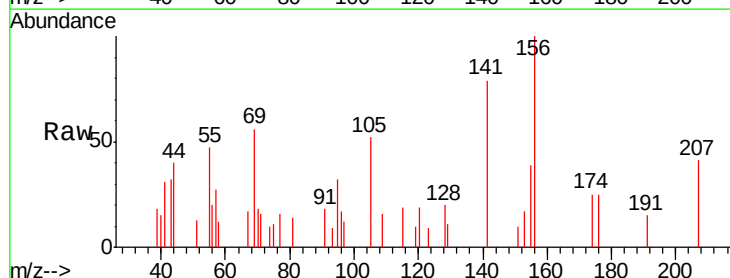
Instrument :
 MSVOA_W
 ClientSampleId :
 LS-SOIL-1

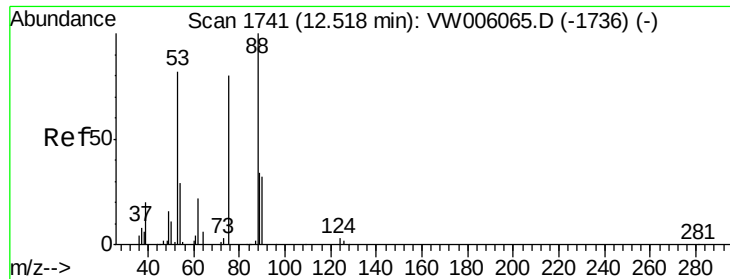
Tgt Ion: 75 Resp: 57350
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#77
 Bromobenzene
 Concen: 1.71 ug/l
 RT: 12.96 min Scan# 1813
 Delta R.T. 0.21 min
 Lab File: VW006218.D
 Acq: 19 Oct 2018 11:40

Tgt Ion: 156 Resp: 3652
 Ion Ratio Lower Upper
 156 100
 77 3.5 79.1 237.4#
 158 0.0 48.5 145.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 145.15 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006218.D

Acq: 19 Oct 2018 11:40

Instrument :

MSVOA_W

ClientSampleId :

LS-SOIL-1

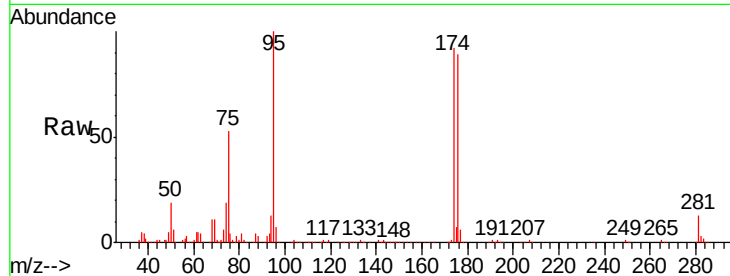
Tgt Ion: 75 Resp: 57350

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

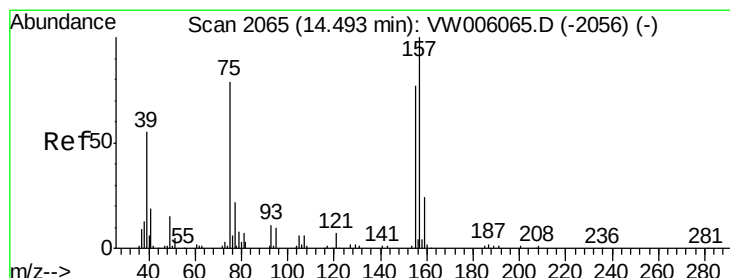
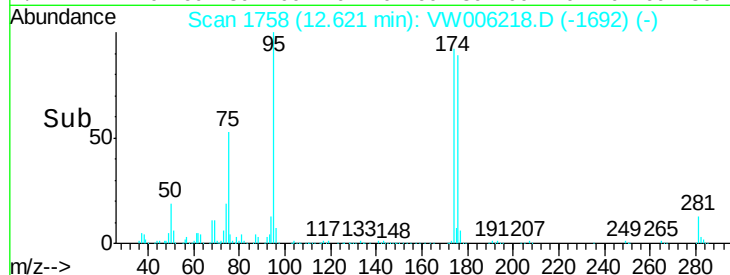
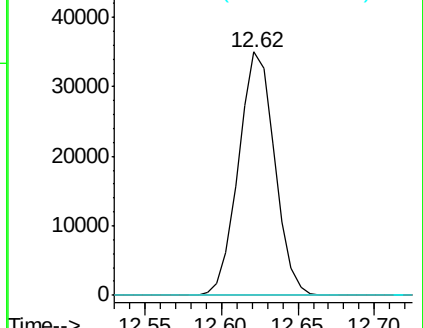
89 0.0 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.69 ug/l

RT: 14.52 min Scan# 2070

Delta R.T. 0.03 min

Lab File: VW006218.D

Acq: 19 Oct 2018 11:40

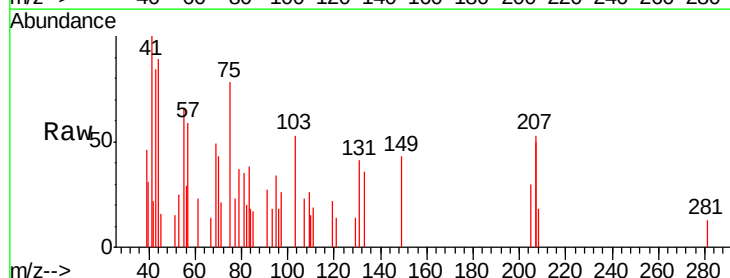
Tgt Ion: 75 Resp: 402

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

157 0.0 59.8 179.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

