

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
 Data File : VW002325.D
 Acq On : 09 May 2018 05:49
 Operator : JC/SY
 Sample : J2754-01
 Misc : 6.34G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LS-SOIL-PILE-1A

Quant Time: May 09 08:34:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	342435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	290005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	123899	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	95661	42.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.30%	
35) Dibromofluoromethane	7.88	113	89817	40.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.84%	
50) Toluene-d8	10.33	98	286882	34.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.56%	
62) 4-Bromofluorobenzene	12.63	95	102727	33.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.92%	

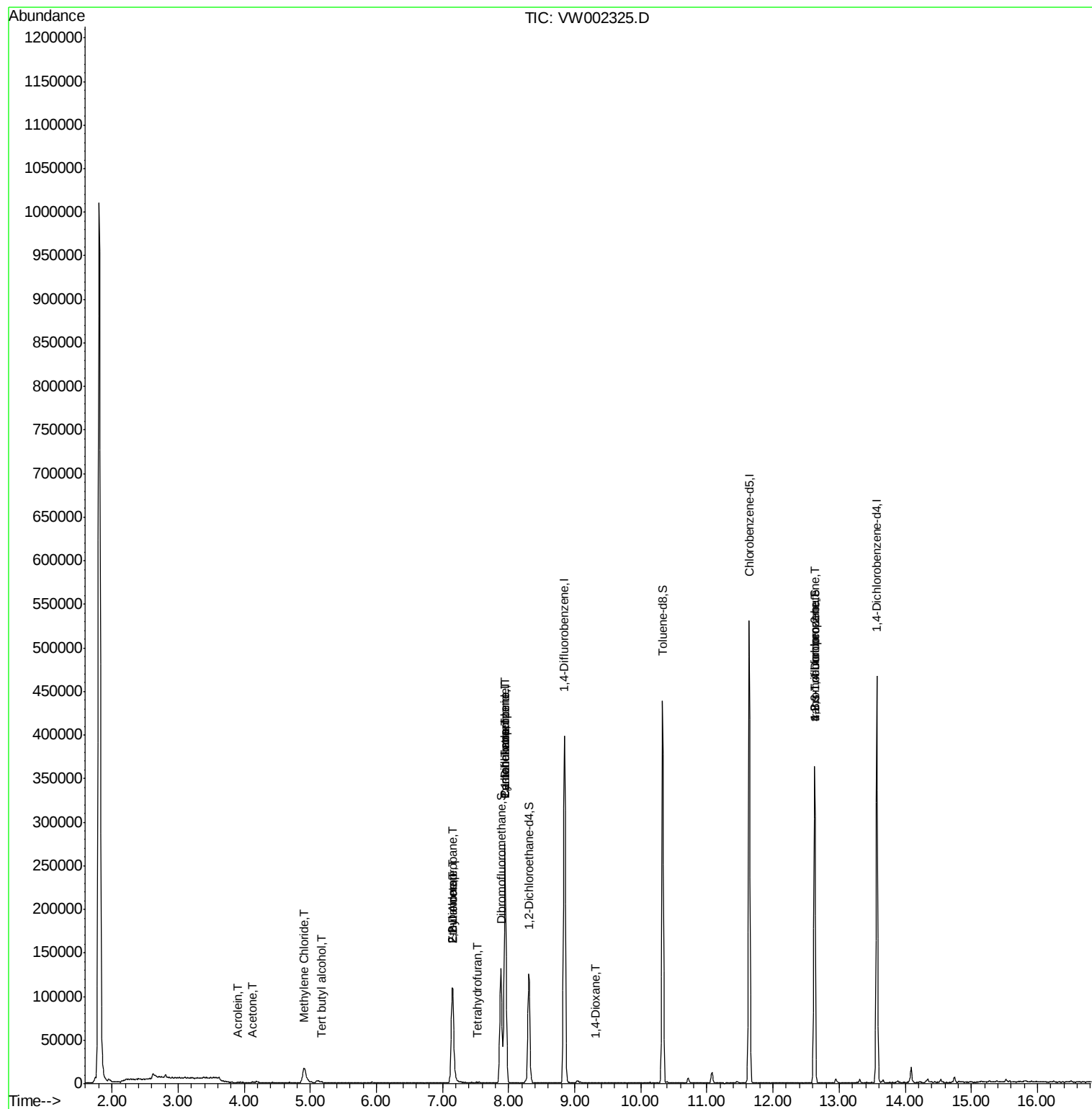
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	300	1.82	ug/l #	1
13) Acrolein	3.90	56	141	1.02	ug/l #	82
16) Acetone	4.13	43	1233	2.78	ug/l	93
20) Methylene Chloride	4.90	84	15648	7.32	ug/l	91
25) 2-Butanone	7.15	43	6013	9.14	ug/l #	72
26) 2,2-Dichloropropane	7.15	77	7588	4.03	ug/l #	50
29) Tetrahydrofuran	7.54	42	500	1.16	ug/l #	48
31) Cyclohexane	7.95	56	4549	1.35	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15748	5.08	ug/l #	51
37) Ethyl Acetate	7.15	43	6013	3.98	ug/l #	71
38) Carbon Tetrachloride	7.95	117	19458	6.50	ug/l #	15
49) 1,4-Dioxane	9.31	88	26	1.29	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	52036	47.36	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	52036	124.76	ug/l #	10

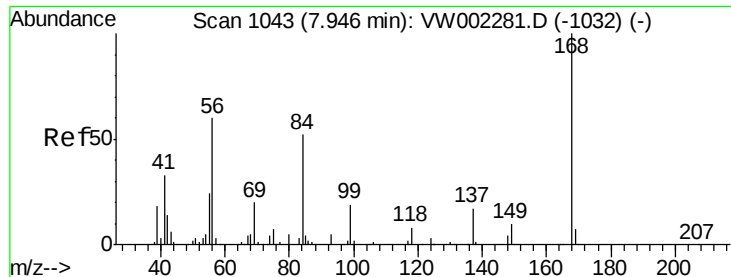
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

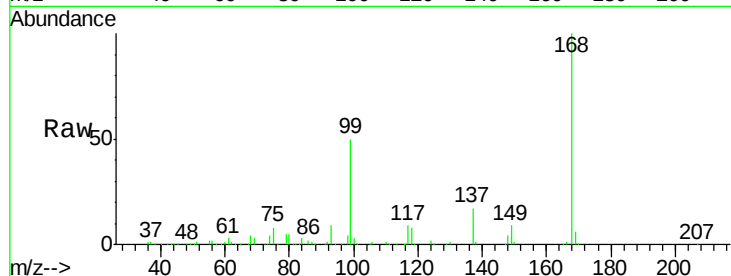
LS-SOIL-PILE-1A

Tgt Ion:168 Resp: 213739

Ion Ratio Lower Upper

168 100

99 49.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

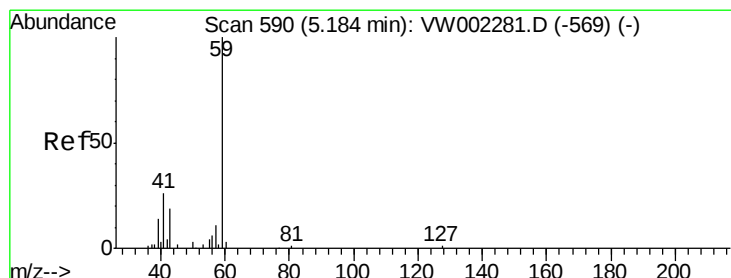
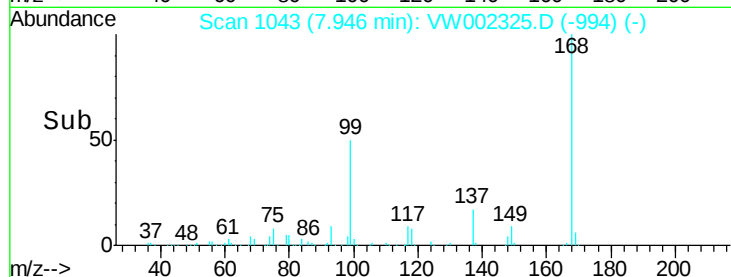
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 1.82 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.02 min

Lab File: VW002325.D

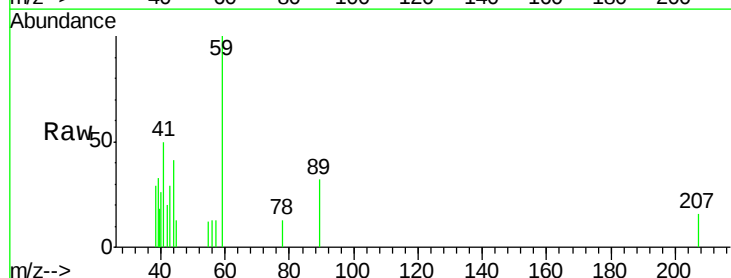
Acq: 09 May 2018 05:49

Tgt Ion: 59 Resp: 300

Ion Ratio Lower Upper

59 100

57 80.0 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

500

400

300

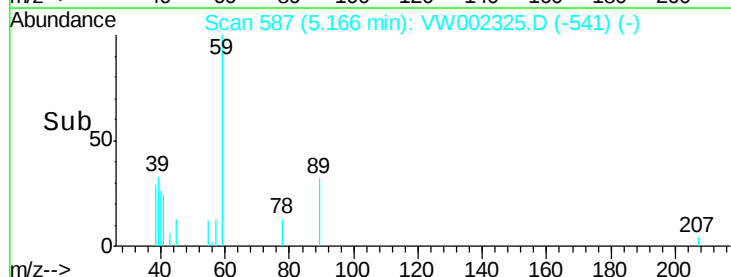
200

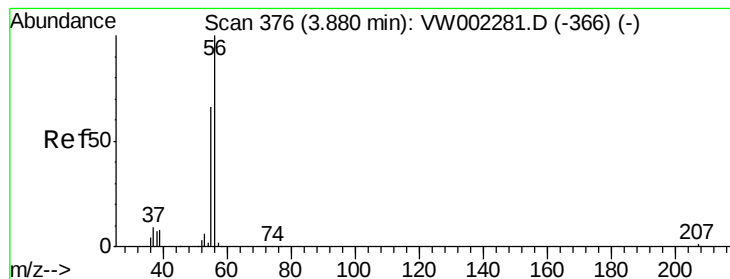
100

0

5.14 5.16 5.18

Time-->





#13

Acrolein

Concen: 1.02 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.02 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

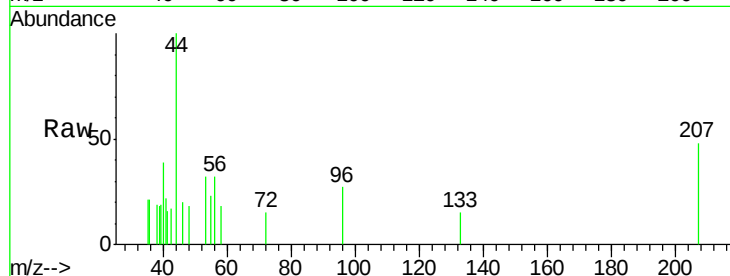
LS-SOIL-PILE-1A

Tgt Ion: 56 Resp: 141

Ion Ratio Lower Upper

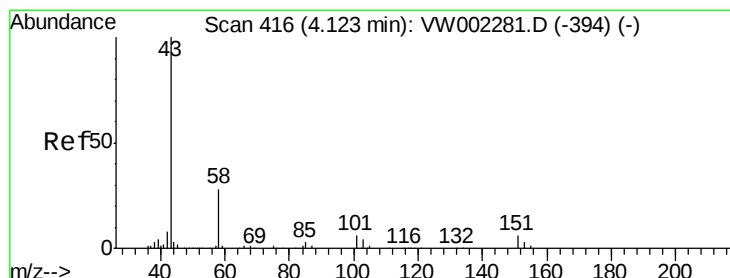
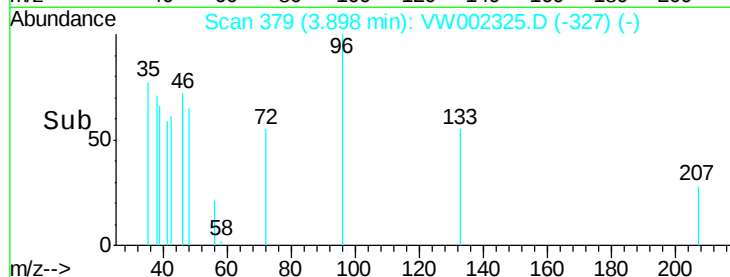
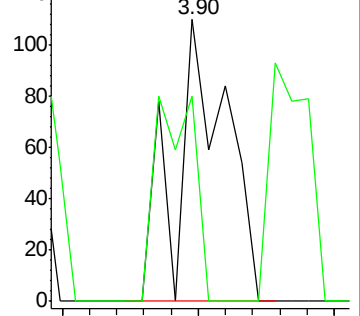
56 100

55 56.7 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 2.78 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW002325.D

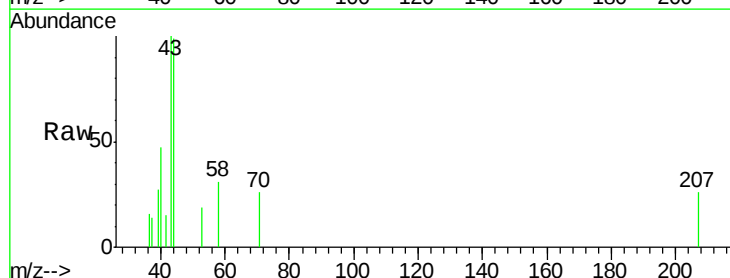
Acq: 09 May 2018 05:49

Tgt Ion: 43 Resp: 1233

Ion Ratio Lower Upper

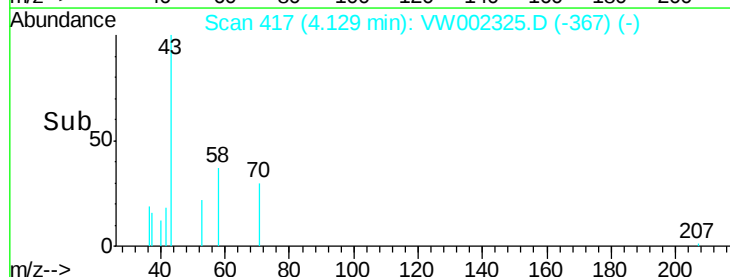
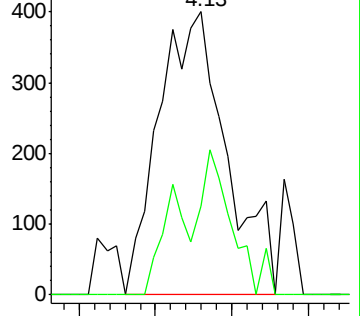
43 100

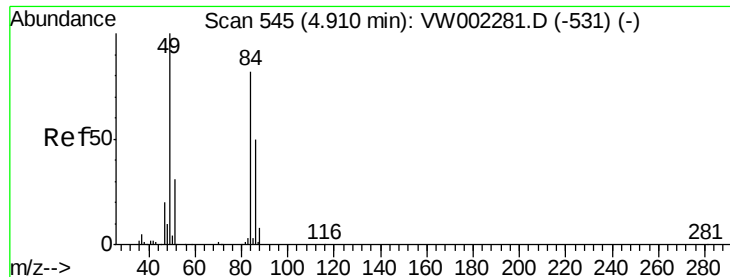
58 31.3 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 7.32 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

LS-SOIL-PILE-1A

Tgt Ion: 84 Resp: 15648

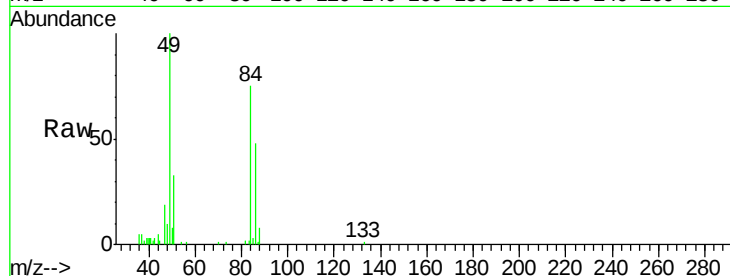
Ion Ratio Lower Upper

84 100

49 133.8 97.7 146.5

51 44.8 30.2 45.4

86 63.7 48.9 73.3

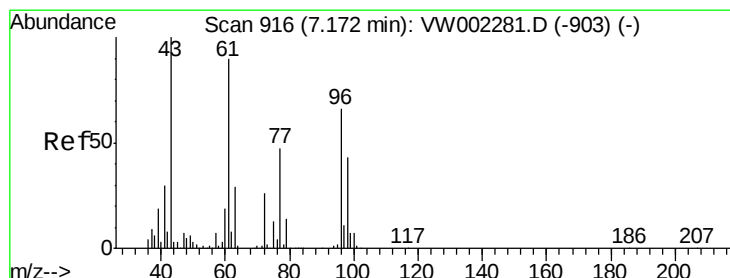
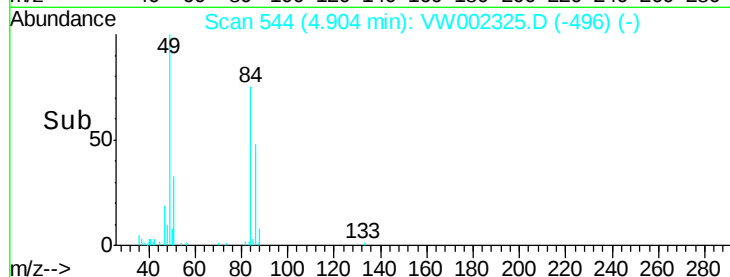
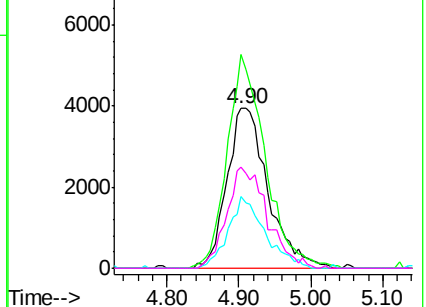


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 9.14 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW002325.D

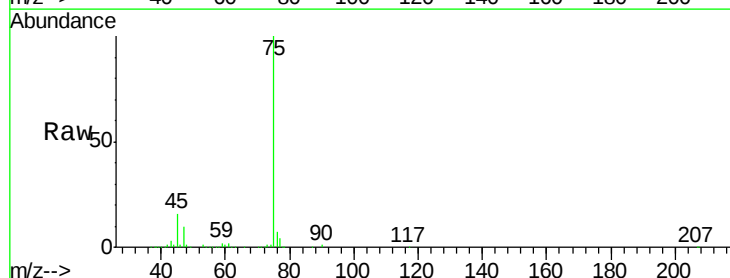
Acq: 09 May 2018 05:49

Tgt Ion: 43 Resp: 6013

Ion Ratio Lower Upper

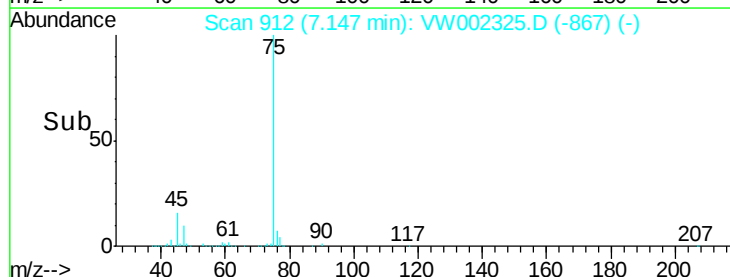
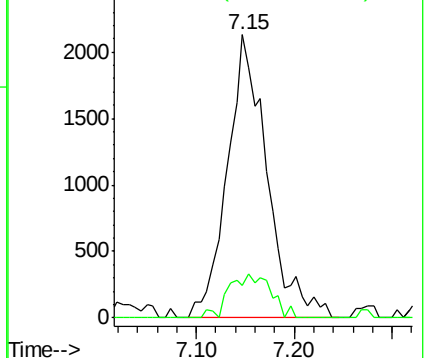
43 100

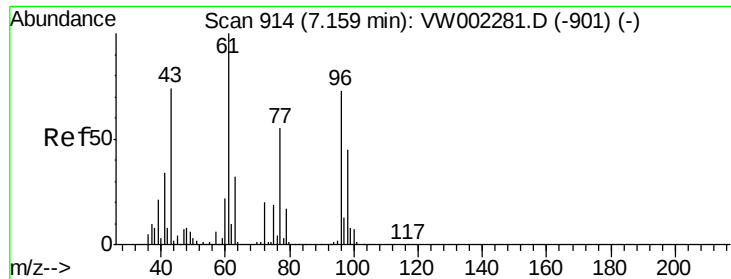
72 11.4 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 4.03 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

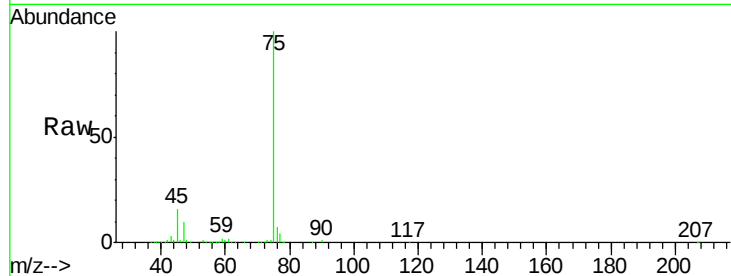
LS-SOIL-PILE-1A

Tgt Ion: 77 Resp: 7588

Ion Ratio Lower Upper

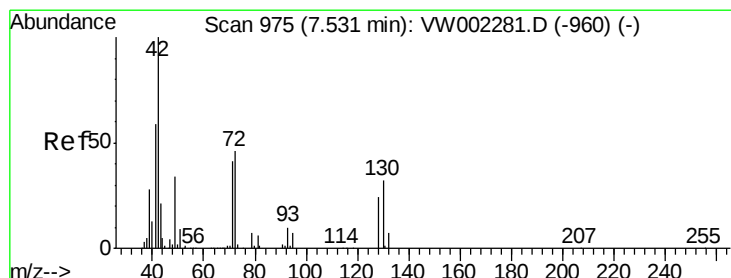
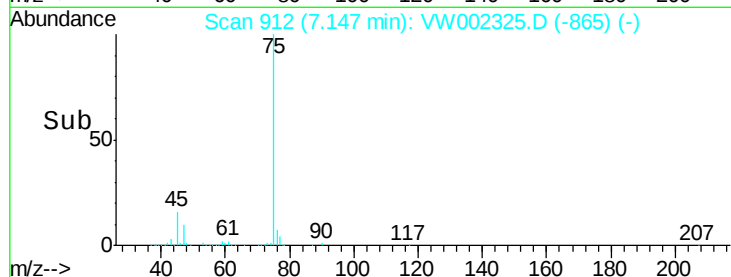
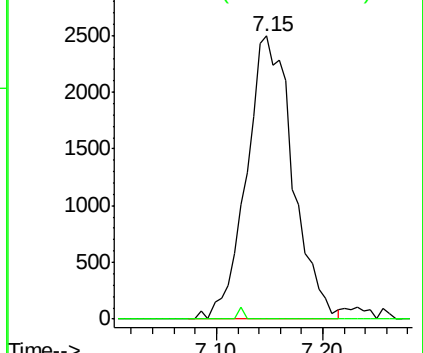
77 100

97 0.0 12.7 38.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 1.16 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

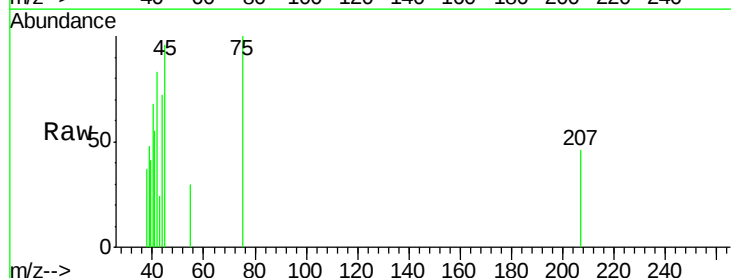
Tgt Ion: 42 Resp: 500

Ion Ratio Lower Upper

42 100

72 5.2 34.5 51.7#

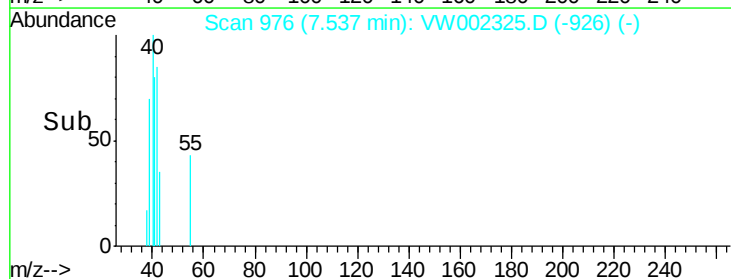
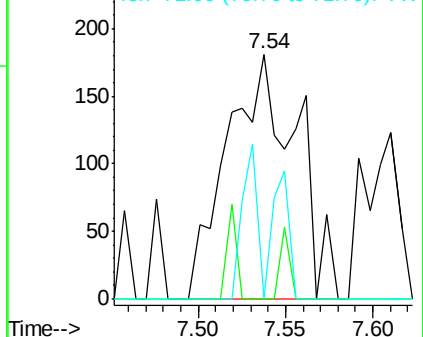
71 13.8 33.0 49.6#

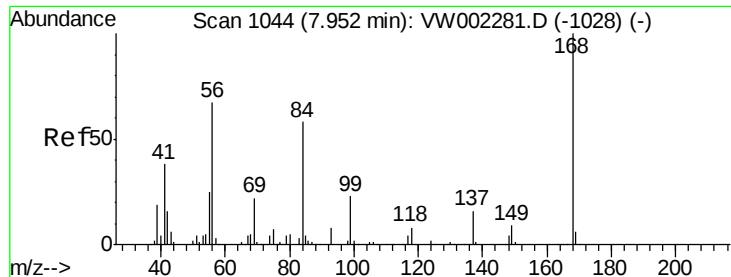


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

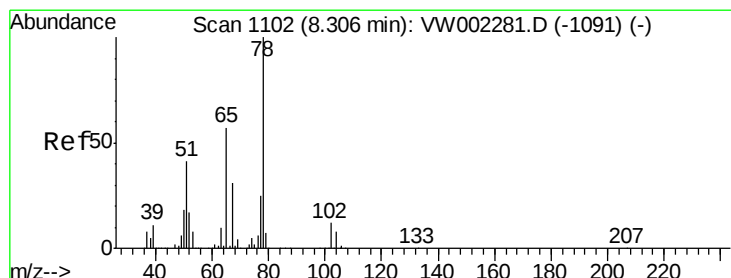
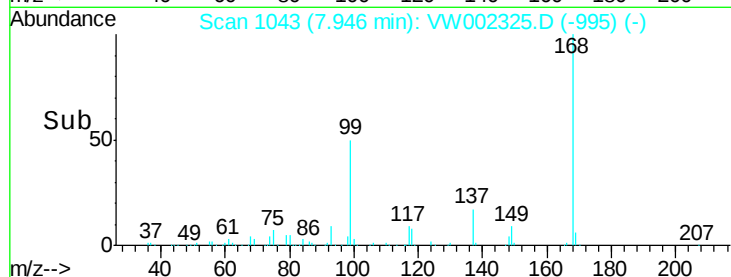
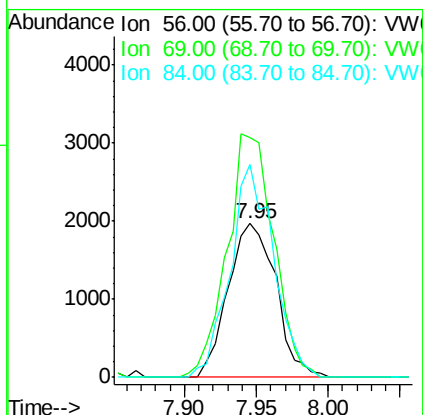
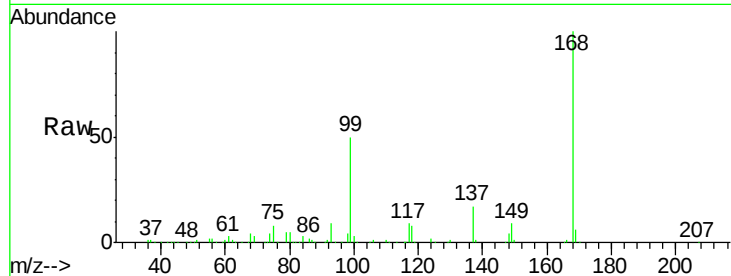




#31
Cyclohexane
Concen: 1.35 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002325.D
Acq: 09 May 2018 05:49

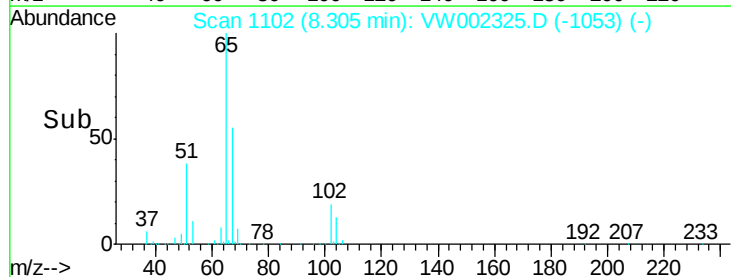
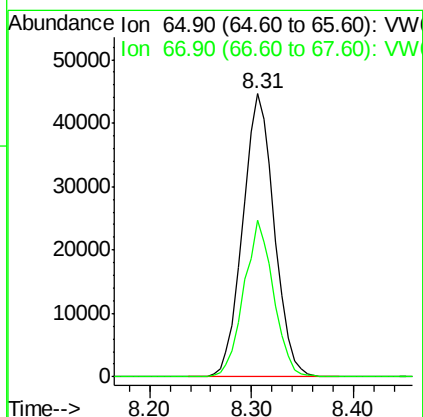
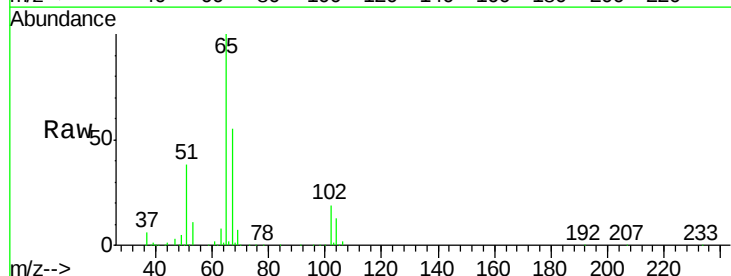
Instrument :
MSVOA_W
ClientSampleId :
LS-SOIL-PILE-1A

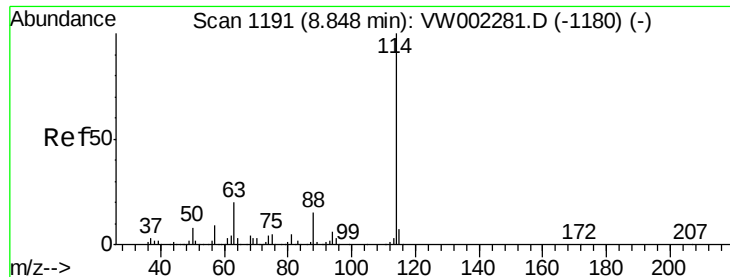
Tgt Ion: 56 Resp: 4549
Ion Ratio Lower Upper
56 100
69 155.6 26.2 39.4#
84 138.3 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 42.15 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW002325.D
Acq: 09 May 2018 05:49

Tgt Ion: 65 Resp: 95661
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

LS-SOIL-PILE-1A

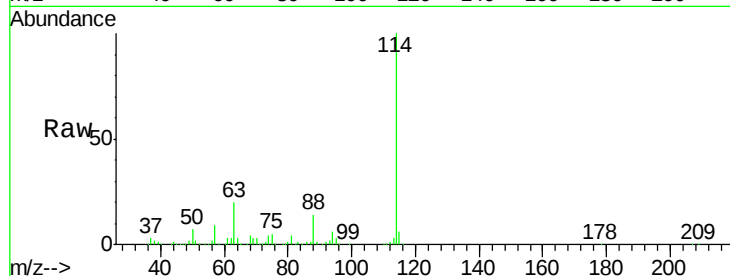
Tgt Ion:114 Resp: 342435

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

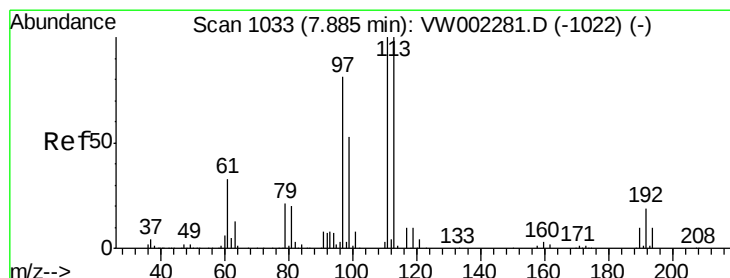
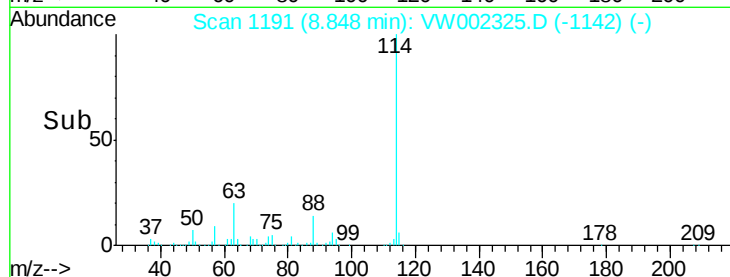
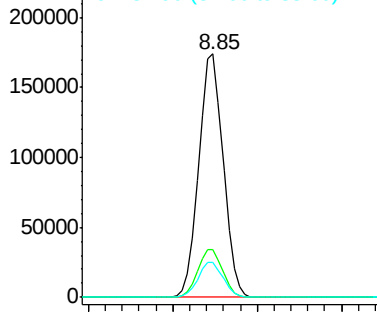
88 14.5 0.0 29.6



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: 40.92 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

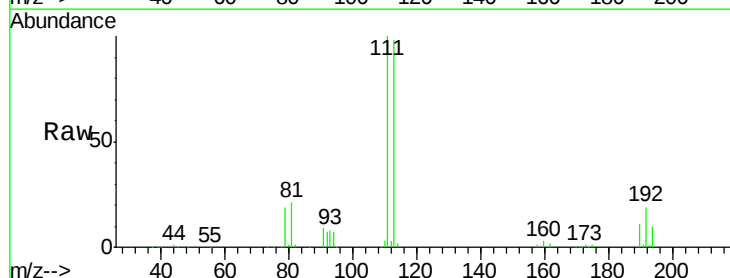
Tgt Ion:113 Resp: 89817

Ion Ratio Lower Upper

113 100

111 103.7 81.5 122.3

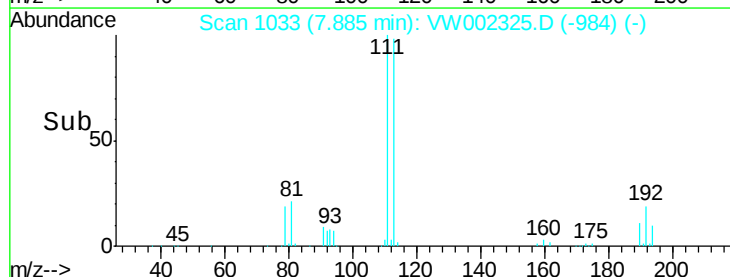
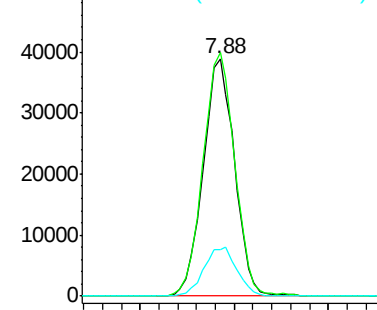
192 21.4 16.4 24.6

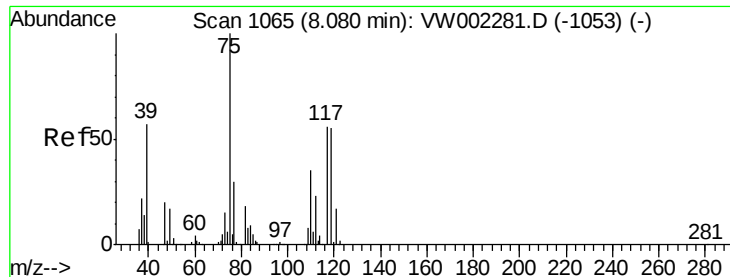


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.08 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

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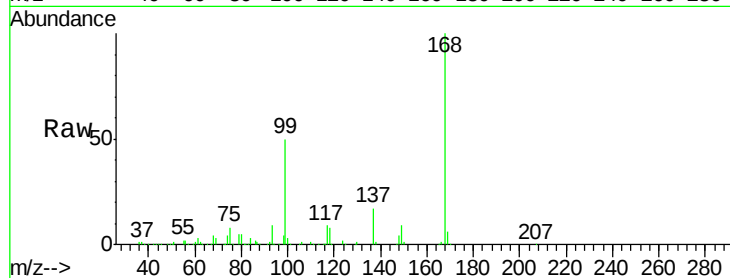
Tgt Ion: 75 Resp: 15748

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

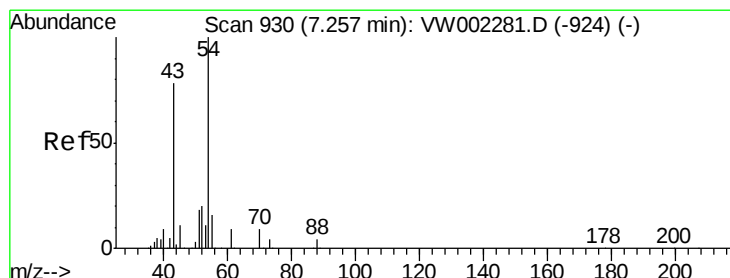
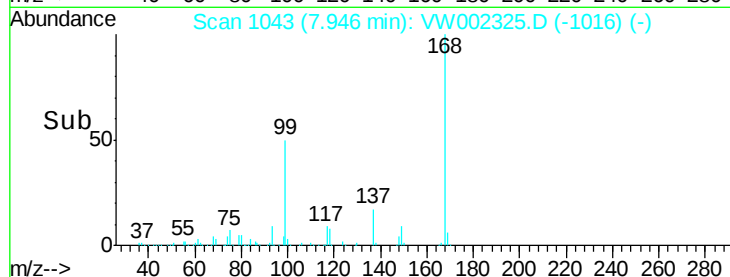
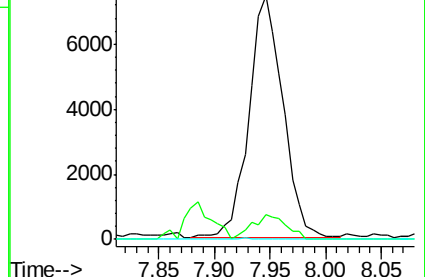
77 0.2 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 3.98 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.11 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

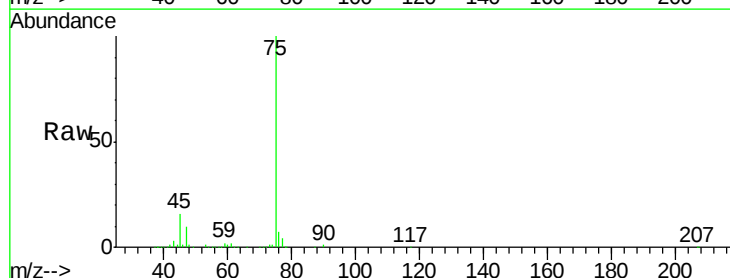
Tgt Ion: 43 Resp: 6013

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

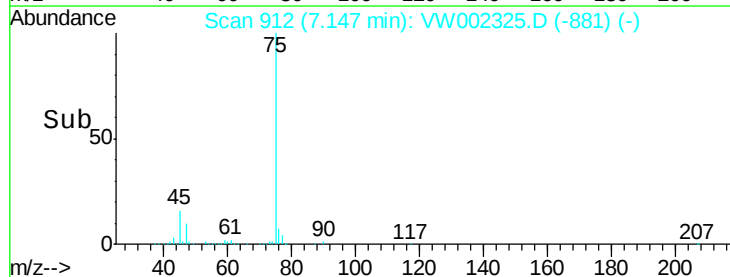
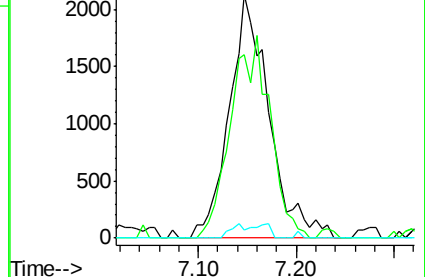
70 2.0 7.9 11.9#

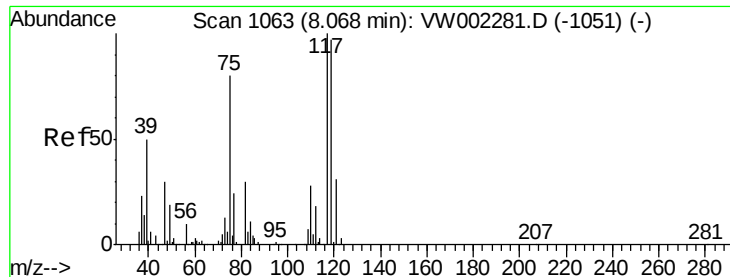


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.50 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

LS-SOIL-PILE-1A

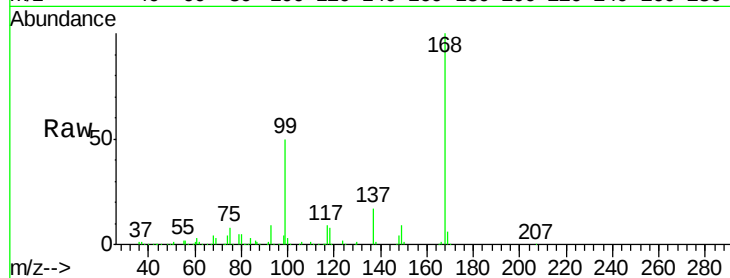
Tgt Ion:117 Resp: 19458

Ion Ratio Lower Upper

117 100

119 5.0 77.5 116.3#

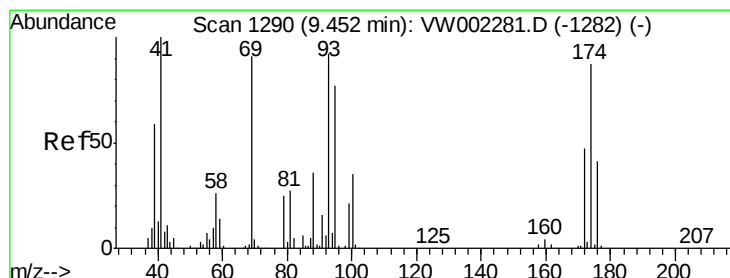
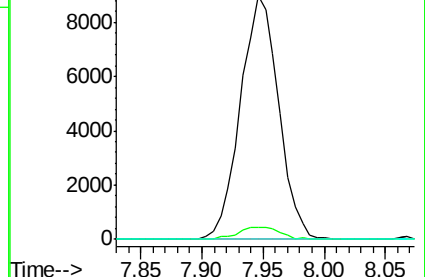
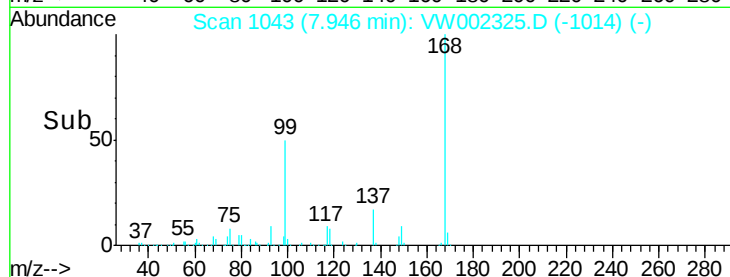
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 1.29 ug/l

RT: 9.31 min Scan# 1267

Delta R.T. -0.14 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

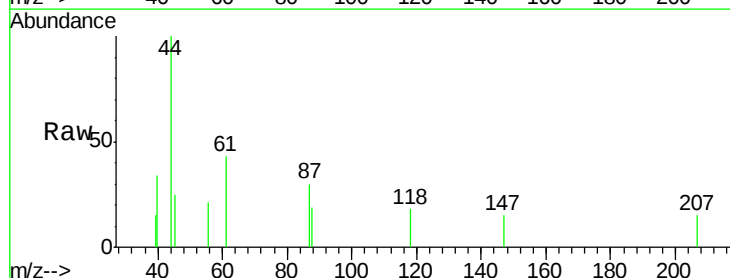
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 307.7 26.3 39.5#

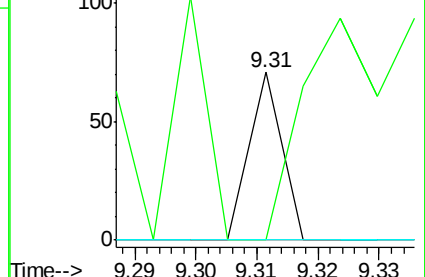
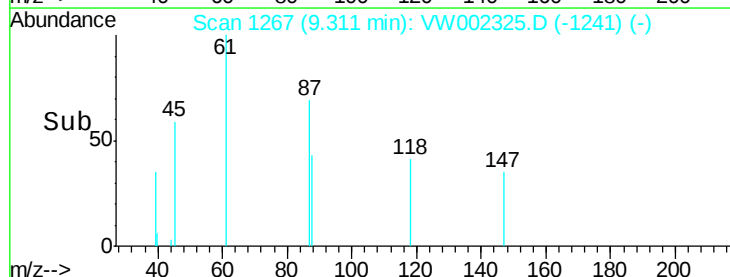
58 0.0 56.0 84.0#

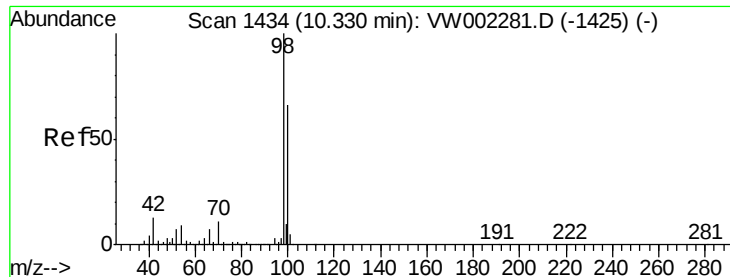


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 34.28 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

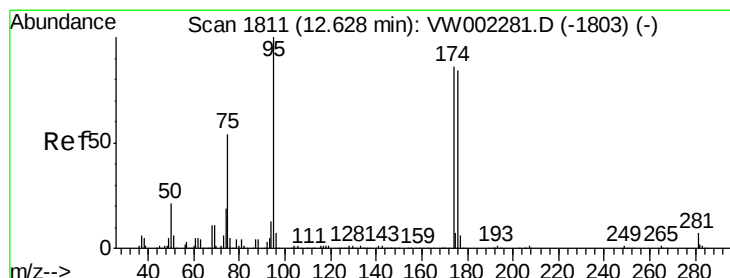
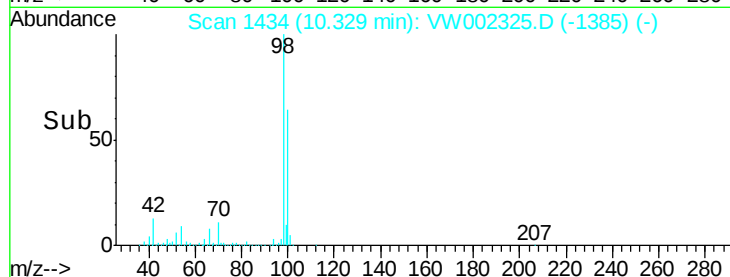
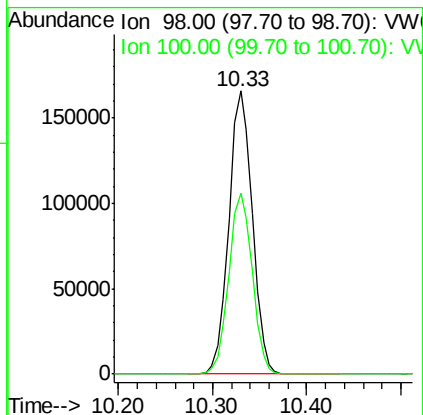
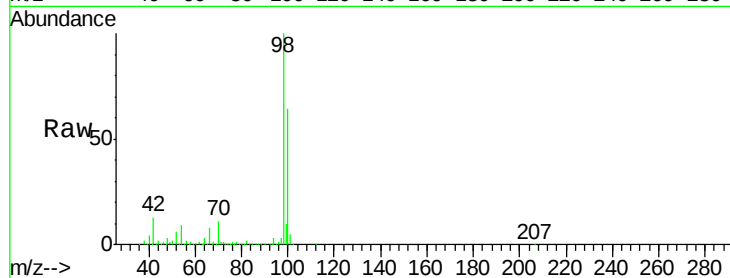
LS-SOIL-PILE-1A

Tgt Ion: 98 Resp: 286882

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 33.96 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

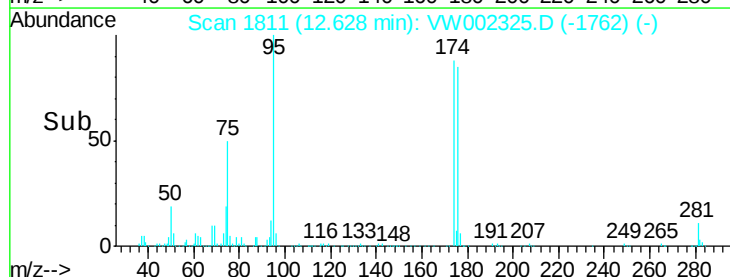
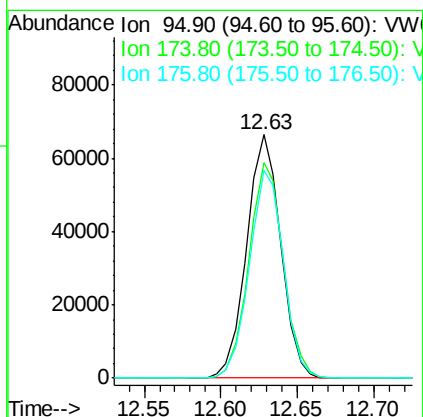
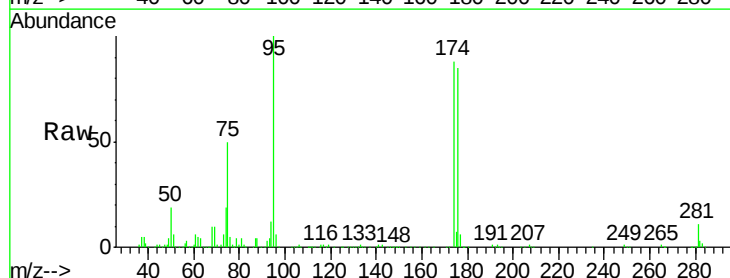
Tgt Ion: 95 Resp: 102727

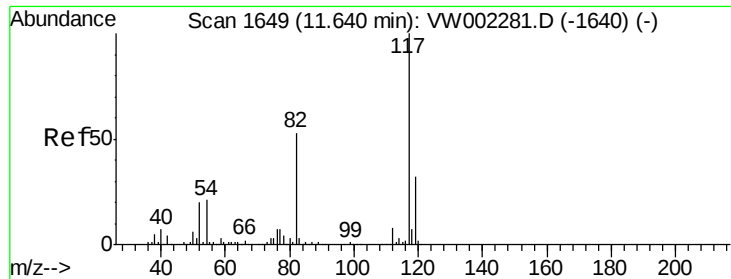
Ion Ratio Lower Upper

95 100

174 89.3 0.0 176.8

176 85.5 0.0 170.4

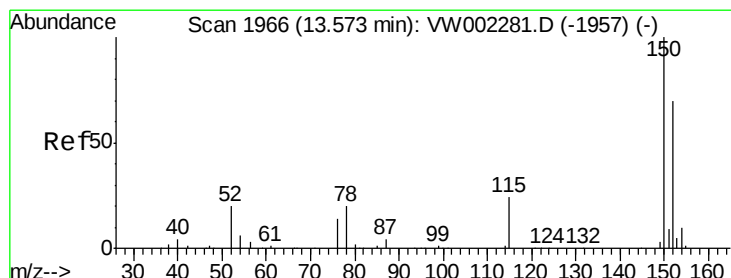
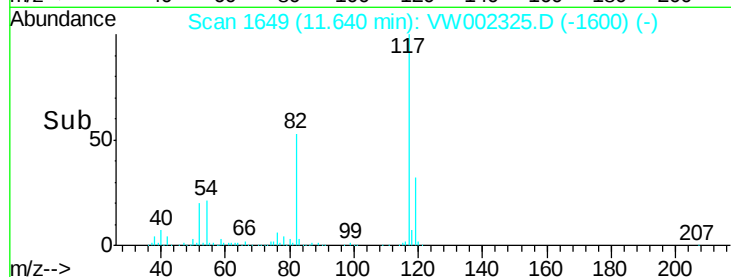
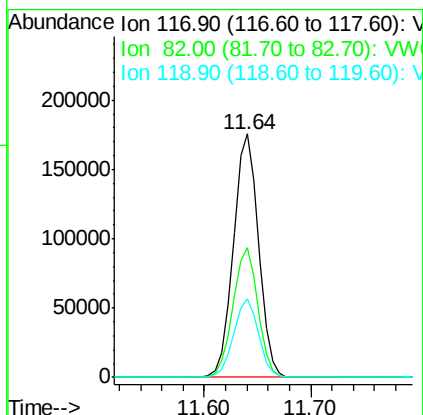
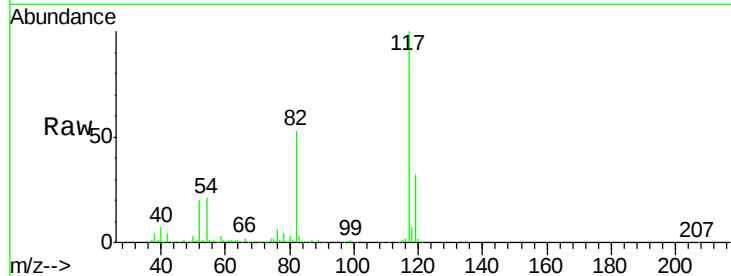




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002325.D
Acq: 09 May 2018 05:49

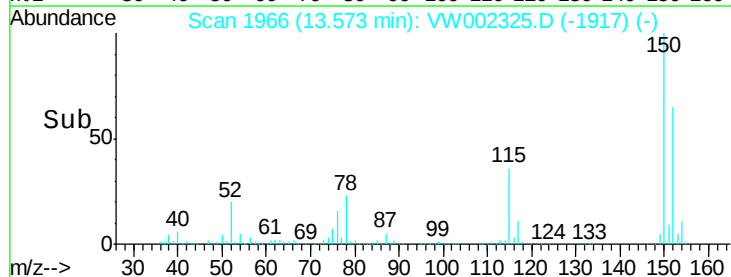
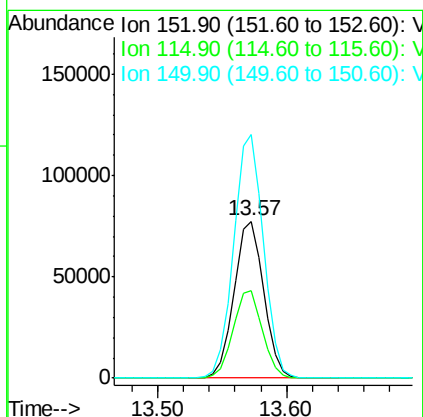
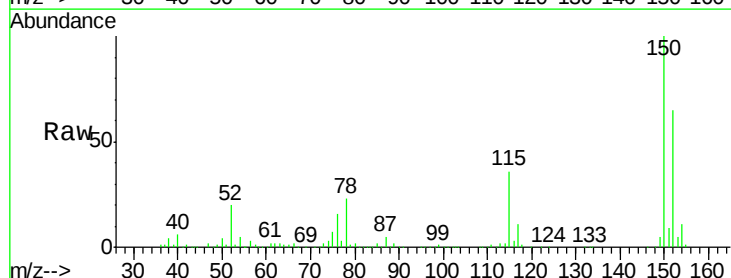
Instrument :
MSVOA_W
ClientSampleId :
LS-SOIL-PILE-1A

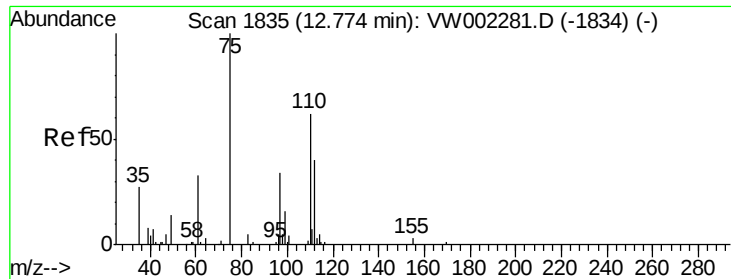
Tgt Ion:117 Resp: 290005
Ion Ratio Lower Upper
117 100
82 53.1 42.6 63.8
119 32.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002325.D
Acq: 09 May 2018 05:49

Tgt Ion:152 Resp: 123899
Ion Ratio Lower Upper
152 100
115 55.2 28.5 85.5
150 155.4 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 47.36 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

Instrument :

MSVOA_W

ClientSampleId :

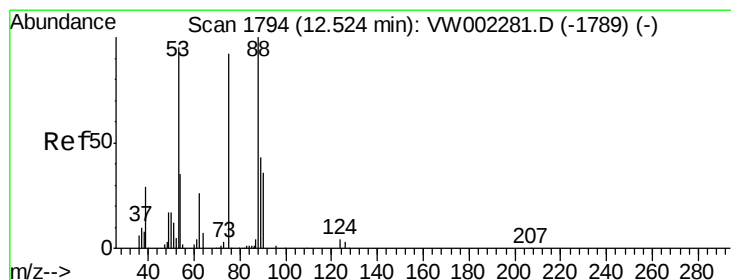
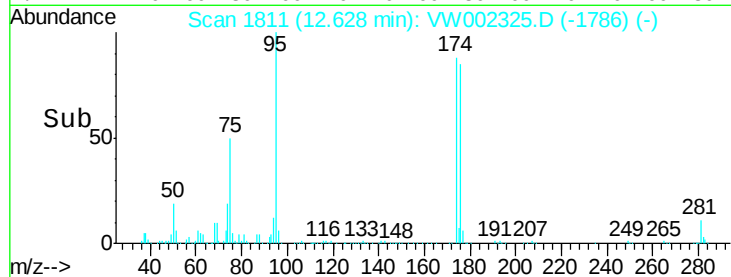
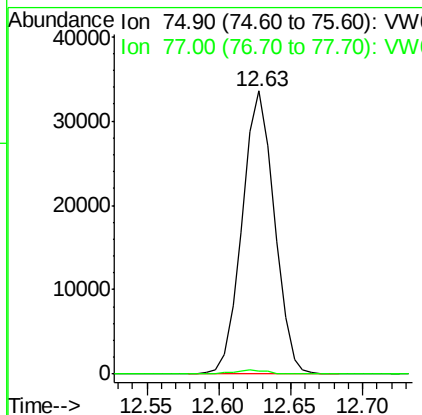
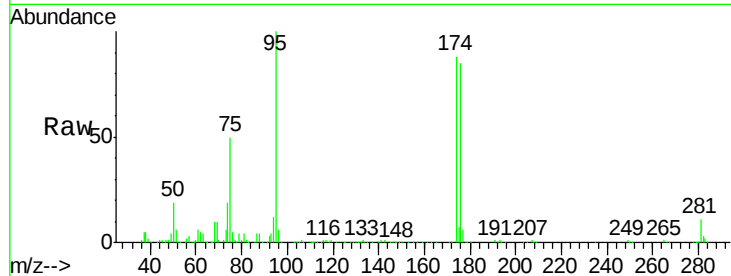
LS-SOIL-PILE-1A

Tgt Ion: 75 Resp: 52036

Ion Ratio Lower Upper

75 100

77 1.6 187.5 562.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.76 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002325.D

Acq: 09 May 2018 05:49

Tgt Ion: 75 Resp: 52036

Ion Ratio Lower Upper

75 100

53 0.2 79.9 119.9#

89 0.1 37.6 56.4#

