

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
 Data File : VW002324.D
 Acq On : 09 May 2018 05:24
 Operator : JC/SY
 Sample : J2754-09
 Misc : 5.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LS-SOIL-PILE-2A

Quant Time: May 09 08:34:47 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	215178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	334070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	279742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	115742	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	99052	43.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.70%	
35) Dibromofluoromethane	7.88	113	93748	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	
50) Toluene-d8	10.33	98	297633	36.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.90%	
62) 4-Bromofluorobenzene	12.63	95	98493	33.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.76%	

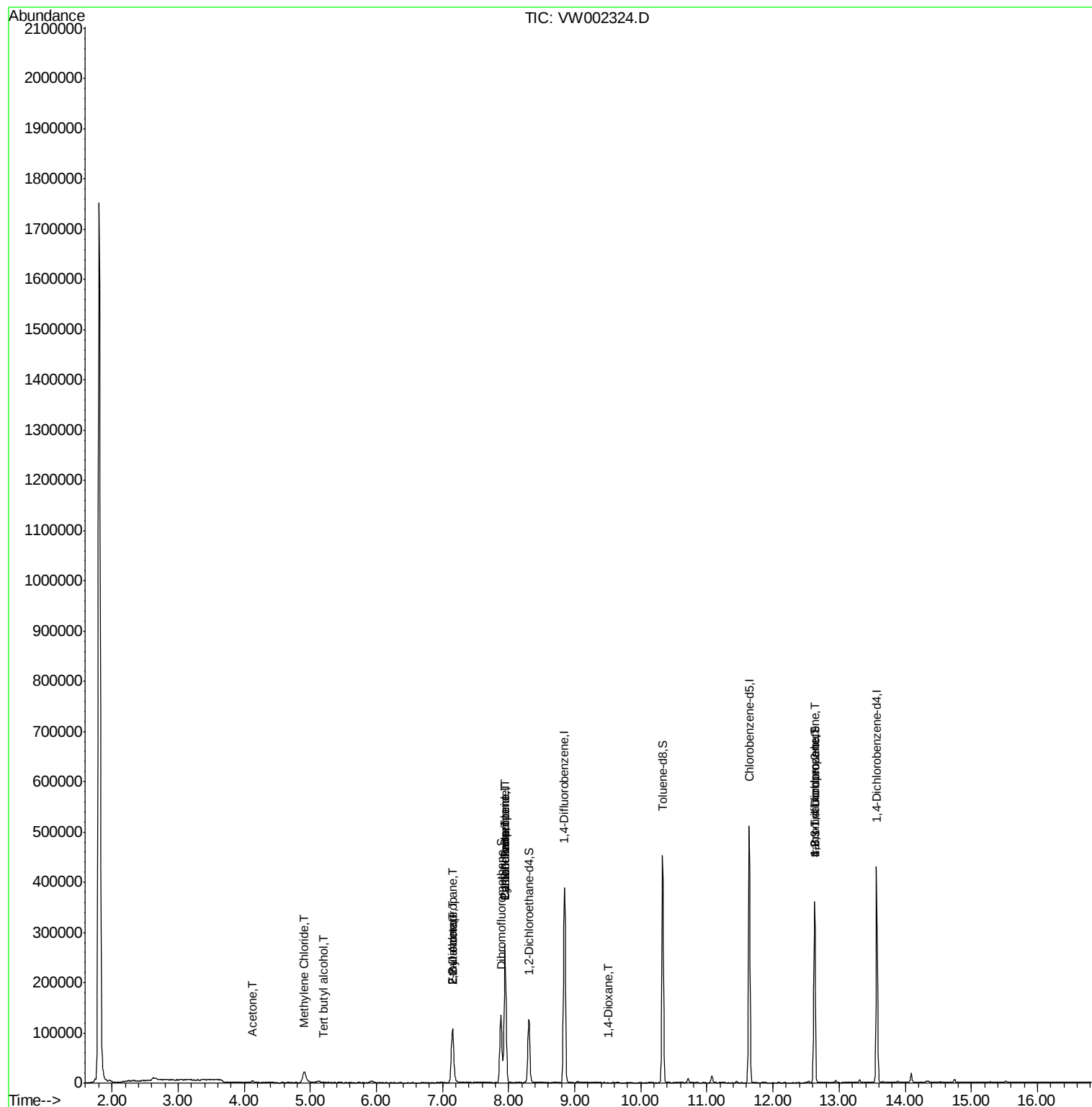
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	715	4.30	ug/l #	97
16) Acetone	4.12	43	5470	12.26	ug/l	93
20) Methylene Chloride	4.90	84	19274	8.96	ug/l	91
25) 2-Butanone	7.15	43	5705	8.61	ug/l #	83
26) 2,2-Dichloropropane	7.15	77	6699	3.53	ug/l #	50
31) Cyclohexane	7.95	56	4570	1.35	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	15332	5.07	ug/l #	49
37) Ethyl Acetate	7.15	43	5705	3.87	ug/l #	1
38) Carbon Tetrachloride	7.95	117	19698	6.74	ug/l #	15
49) 1,4-Dioxane	9.51	88	49	2.49	ug/l #	23
76) 1,2,3-Trichloropropane	12.63	75	50509	49.21	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	50509	129.63	ug/l #	10

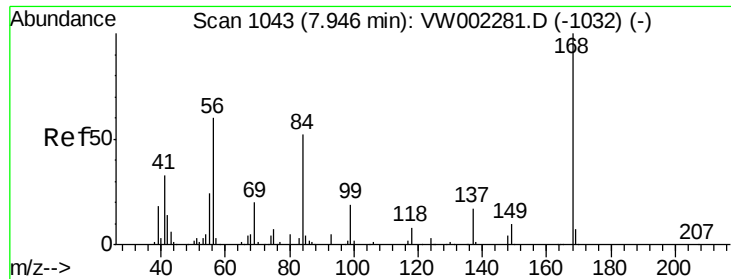
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002324.D

Acq: 09 May 2018 05:24

Instrument :

MSVOA_W

ClientSampled :

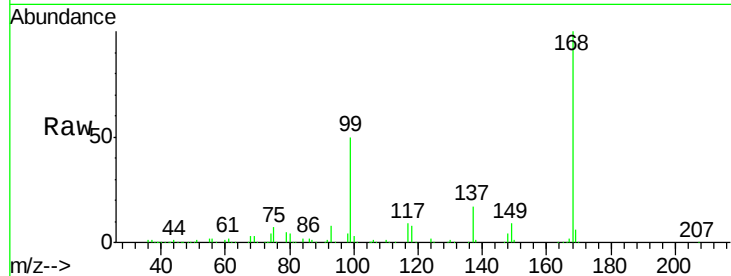
LS-SOIL-PILE-2A

Tgt Ion: 168 Resp: 215178

Ion Ratio Lower Upper

168 100

99 49.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

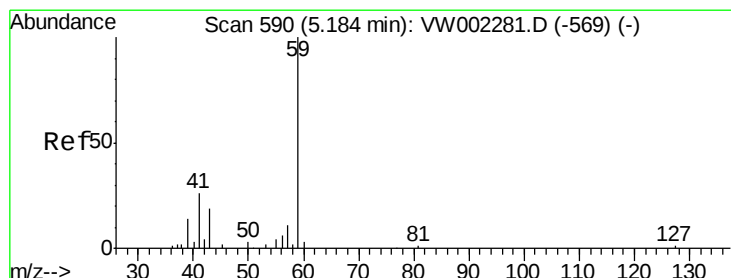
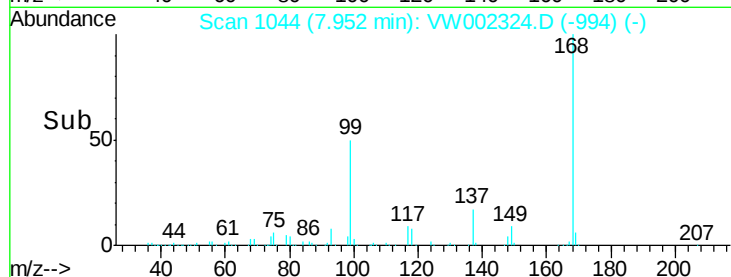
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.30 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.02 min

Lab File: VW002324.D

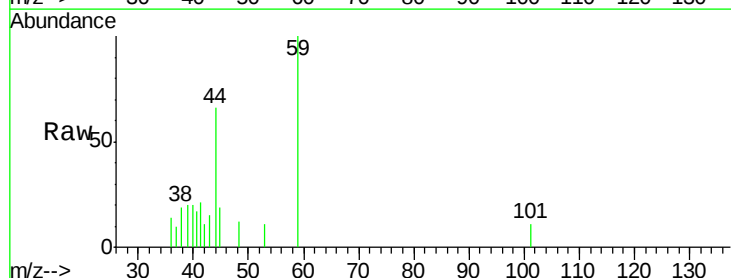
Acq: 09 May 2018 05:24

Tgt Ion: 59 Resp: 715

Ion Ratio Lower Upper

59 100

57 3.9 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

600

500

400

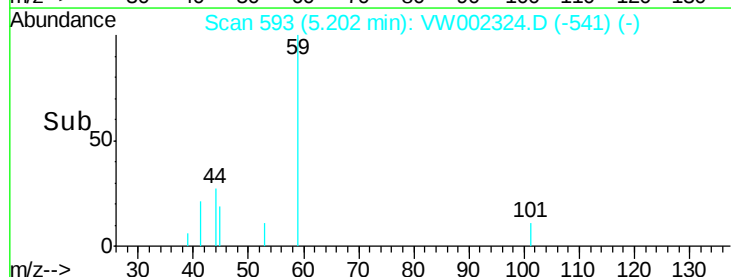
300

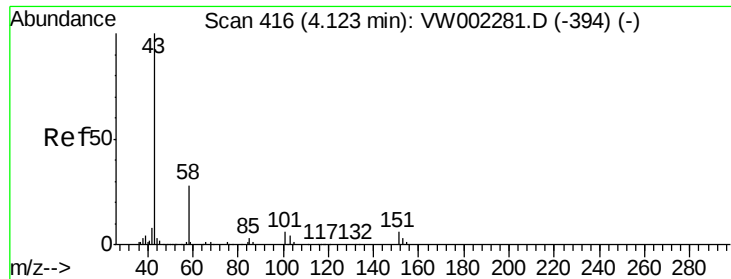
200

100

0

Time-->





#16

Acetone

Concen: 12.26 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW002324.D

Acq: 09 May 2018 05:24

Instrument :

MSVOA_W

ClientSampleId :

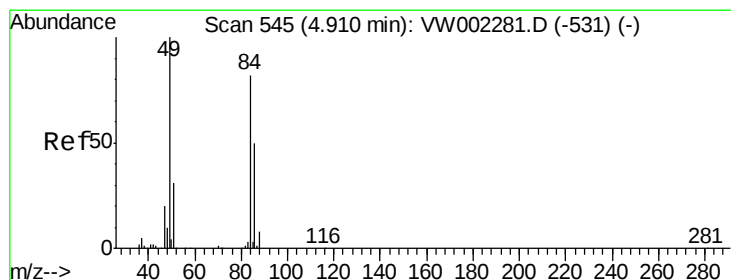
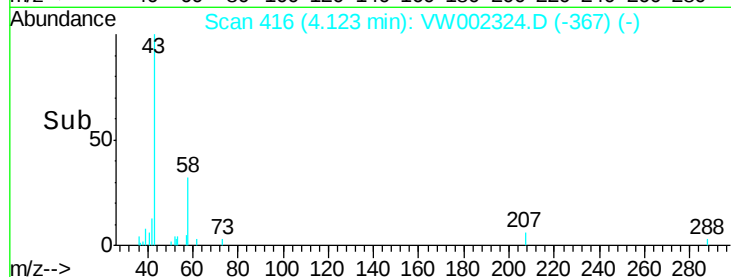
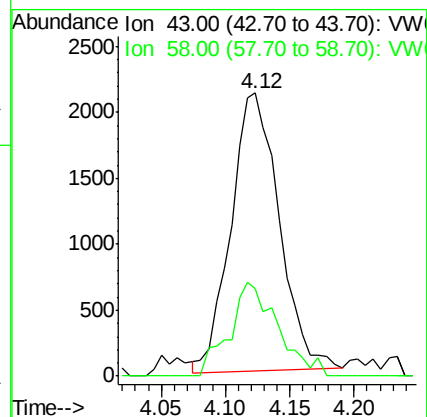
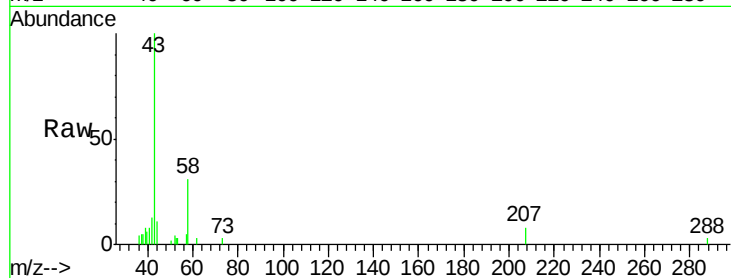
LS-SOIL-PILE-2A

Tgt Ion: 43 Resp: 5470

Ion Ratio Lower Upper

43 100

58 31.7 22.2 33.4



#20

Methylene Chloride

Concen: 8.96 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW002324.D

Acq: 09 May 2018 05:24

Tgt Ion: 84 Resp: 19274

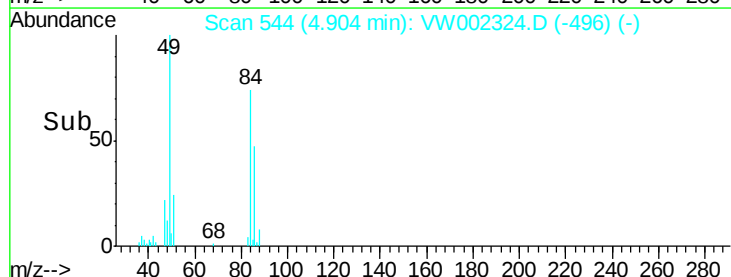
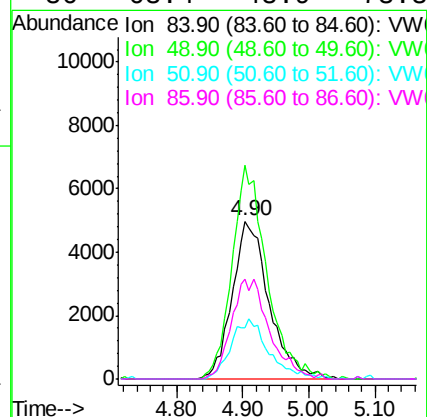
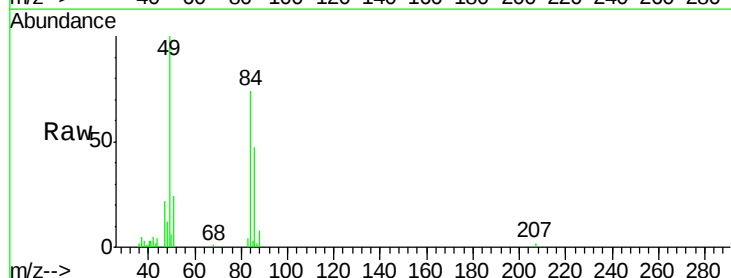
Ion Ratio Lower Upper

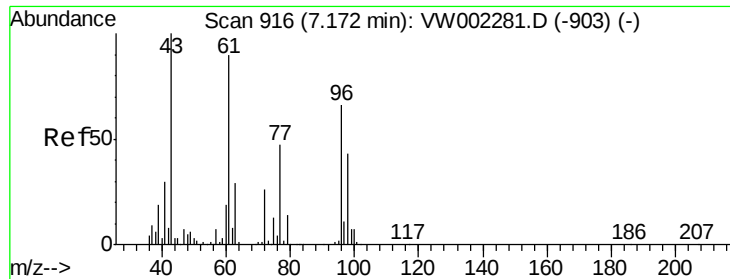
84 100

49 135.4 97.7 146.5

51 32.5 30.2 45.4

86 63.4 48.9 73.3





#25

2-Butanone

Concen: 8.61 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW002324.D

Acq: 09 May 2018 05:24

Instrument :

MSVOA_W

ClientSampleId :

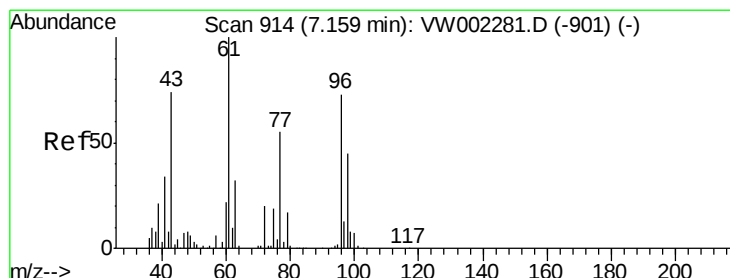
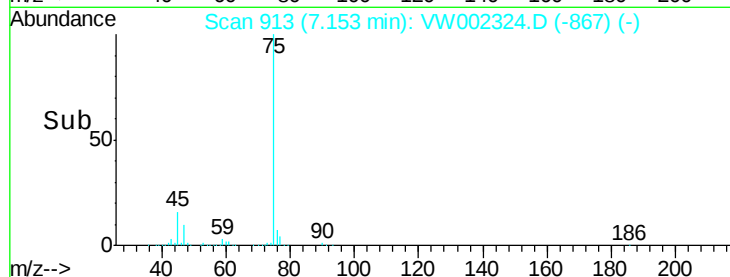
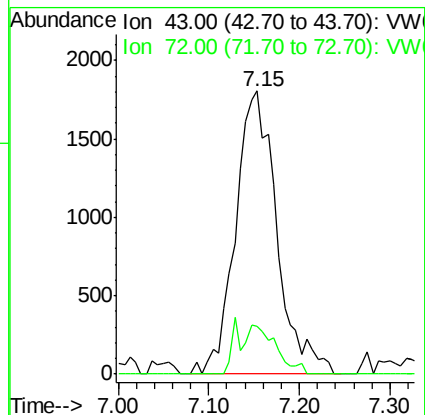
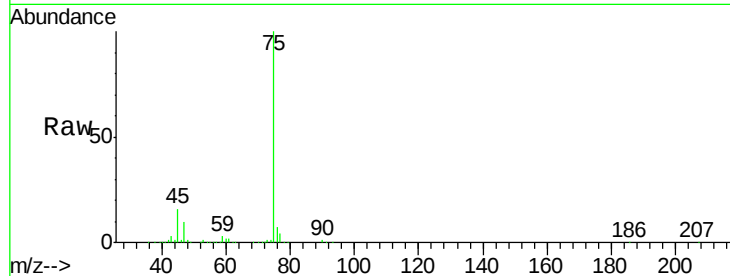
LS-SOIL-PILE-2A

Tgt Ion: 43 Resp: 5705

Ion Ratio Lower Upper

43 100

72 17.1 20.6 31.0#



#26

2,2-Dichloropropane

Concen: 3.53 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW002324.D

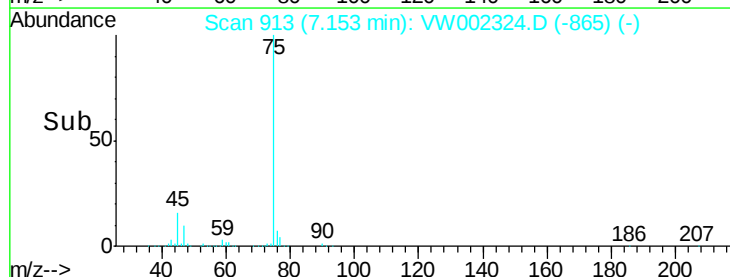
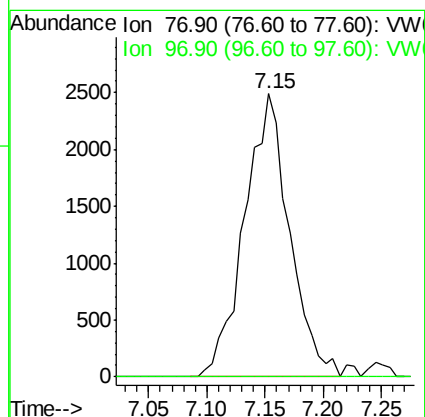
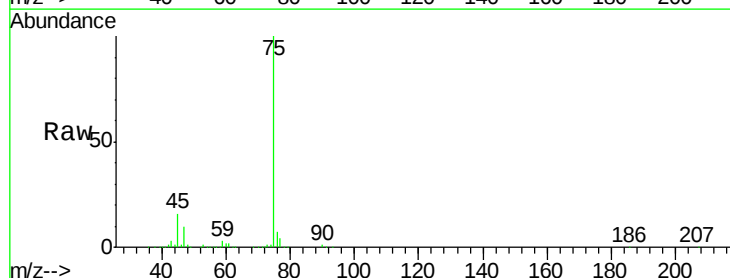
Acq: 09 May 2018 05:24

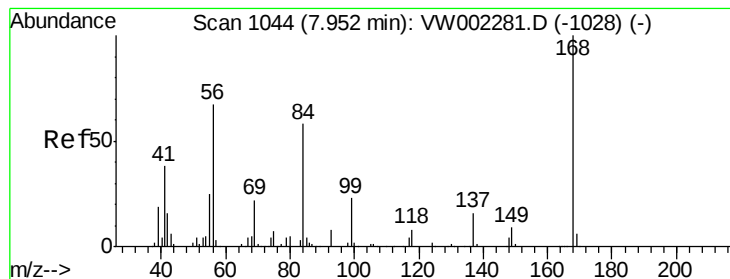
Tgt Ion: 77 Resp: 6699

Ion Ratio Lower Upper

77 100

97 0.0 12.7 38.0#





#31

Cyclohexane

Concen: 1.35 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002324.D

Acq: 09 May 2018 05:24

Instrument :

MSVOA_W

ClientSampleId :

LS-SOIL-PILE-2A

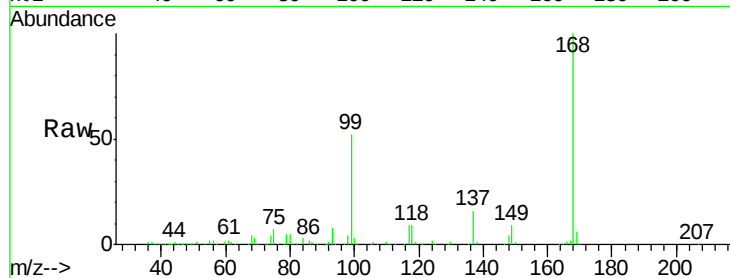
Tgt Ion: 56 Resp: 4570

Ion Ratio Lower Upper

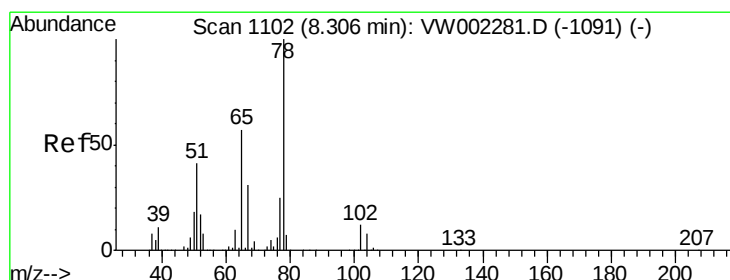
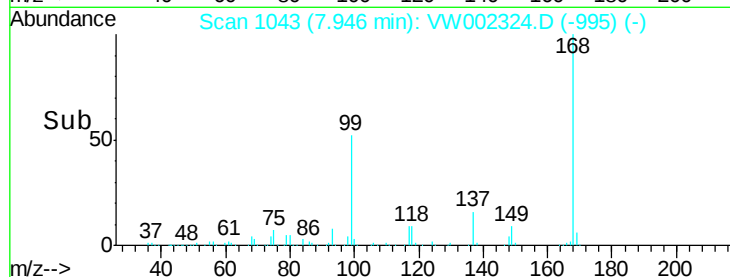
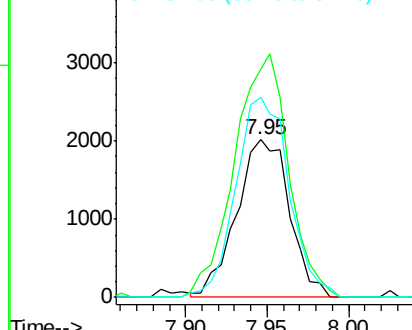
56 100

69 145.1 26.2 39.4#

84 126.7 69.2 103.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 43.35 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002324.D

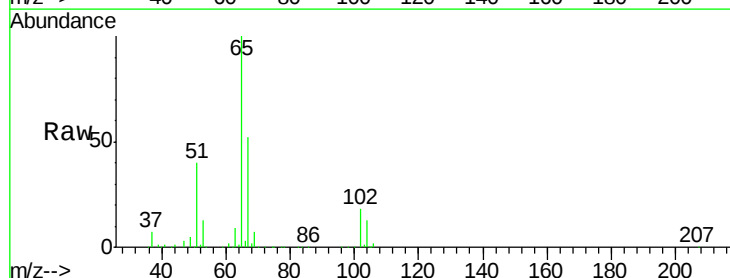
Acq: 09 May 2018 05:24

Tgt Ion: 65 Resp: 99052

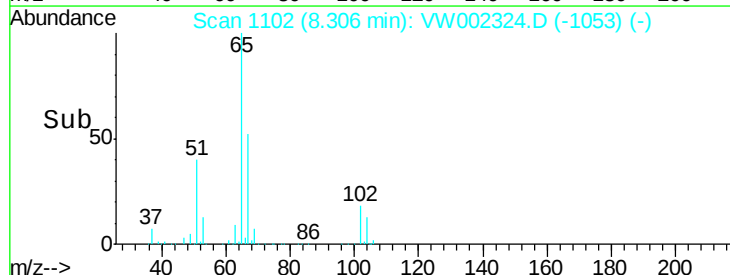
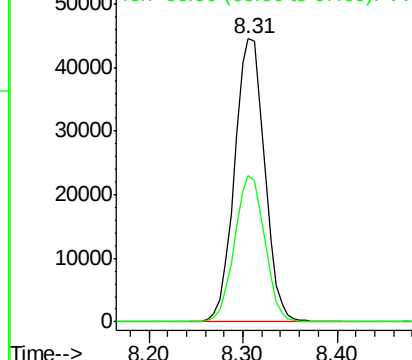
Ion Ratio Lower Upper

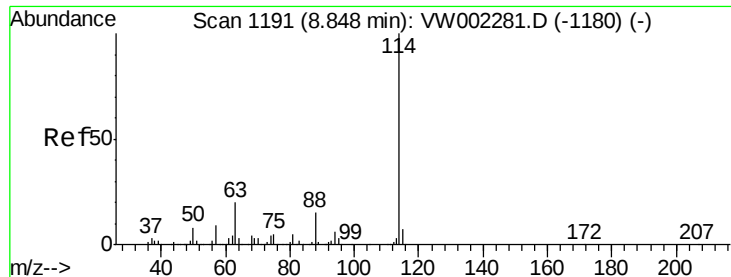
65 100

67 51.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

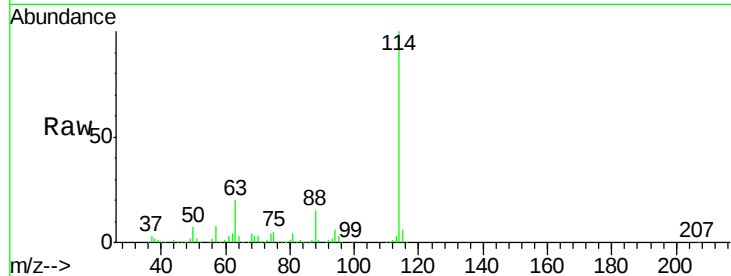




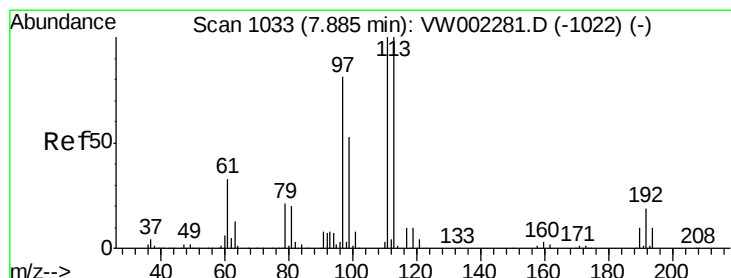
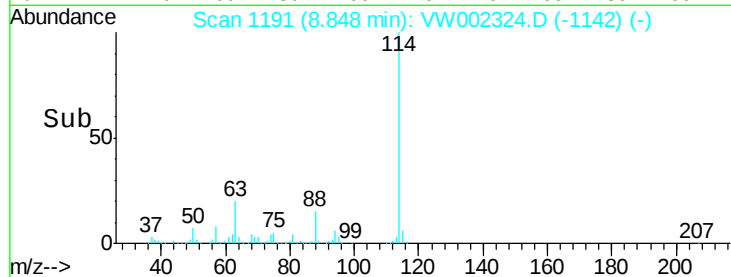
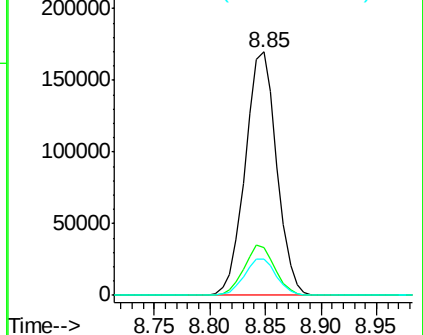
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW002324.D
 Acq: 09 May 2018 05:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LS-SOIL-PILE-2A

Tgt Ion:114 Resp: 334070
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.1 0.0 29.6

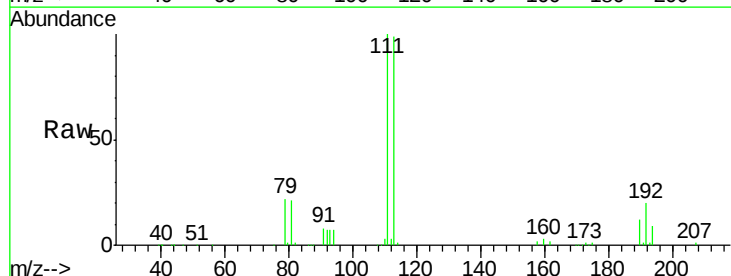


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

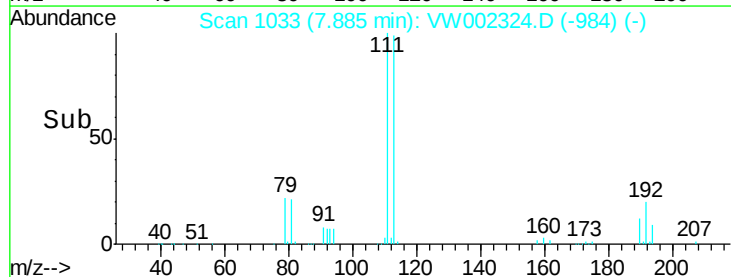
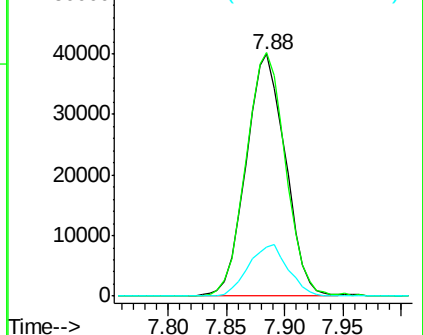


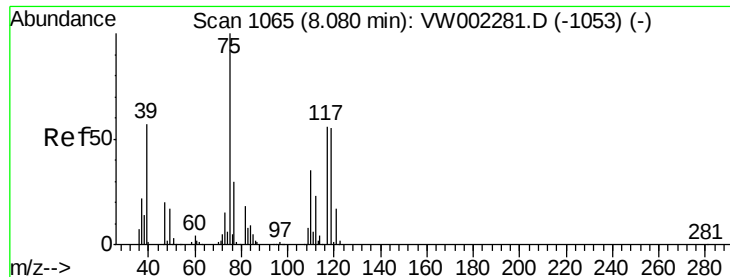
#35
 Dibromofluoromethane
 Concen: 43.78 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002324.D
 Acq: 09 May 2018 05:24

Tgt Ion:113 Resp: 93748
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.5 122.3
 192 21.5 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: 5.07 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002324.D

Acq: 09 May 2018 05:24

Instrument :

MSVOA_W

ClientSampleId :

LS-SOIL-PILE-2A

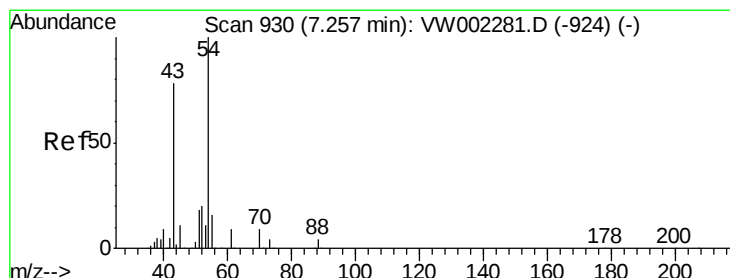
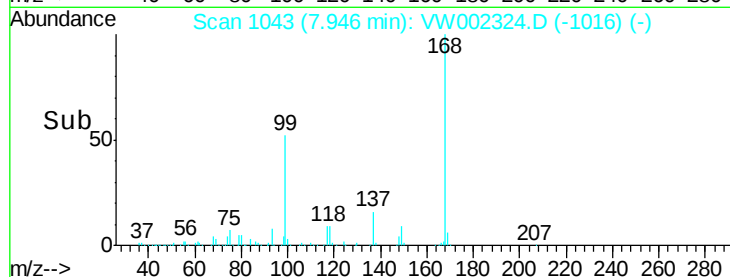
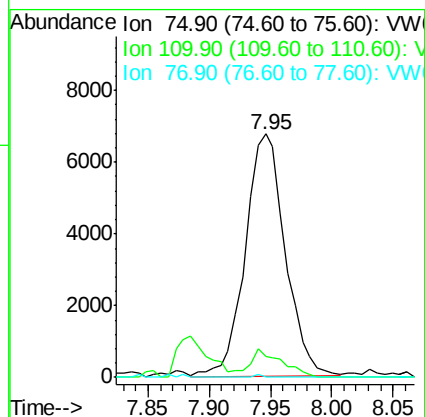
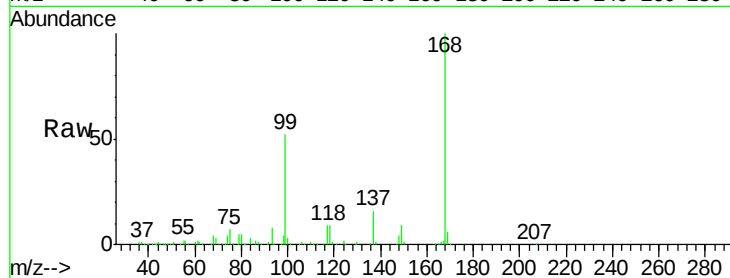
Tgt Ion: 75 Resp: 15332

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.1#

77 0.2 24.5 36.7#



#37

Ethyl Acetate

Concen: 3.87 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.10 min

Lab File: VW002324.D

Acq: 09 May 2018 05:24

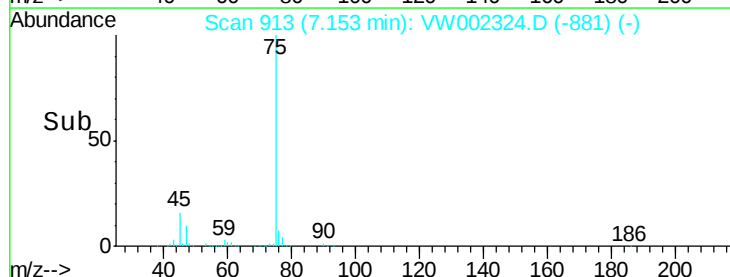
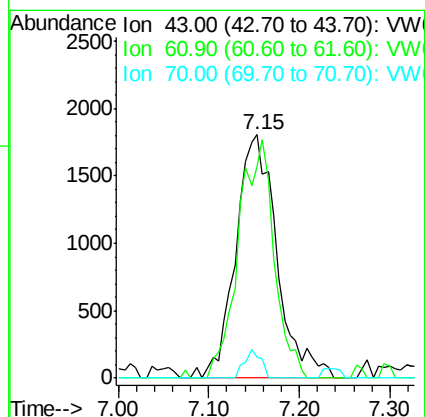
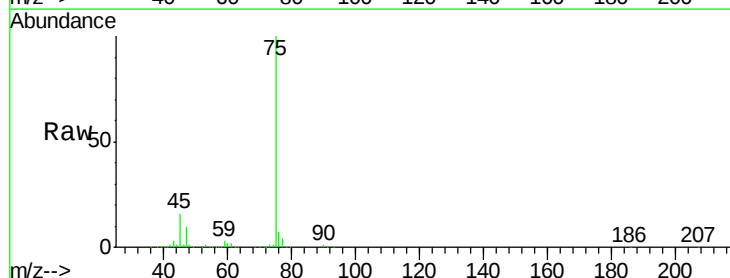
Tgt Ion: 43 Resp: 5705

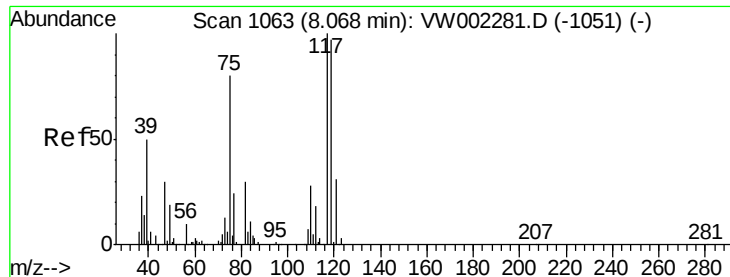
Ion Ratio Lower Upper

43 100

61 84.3 11.1 16.7#

70 4.7 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 6.74 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002324.D

Acq: 09 May 2018 05:24

Instrument :

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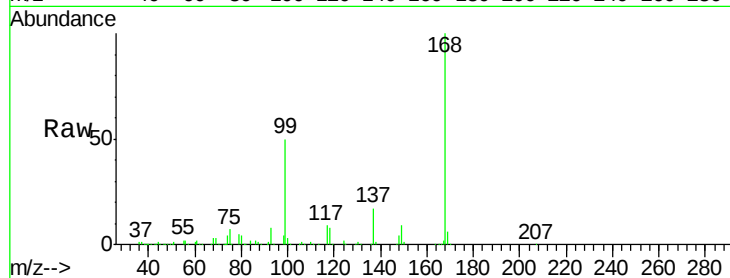
Tgt Ion:117 Resp: 19698

Ion Ratio Lower Upper

117 100

119 4.0 77.5 116.3#

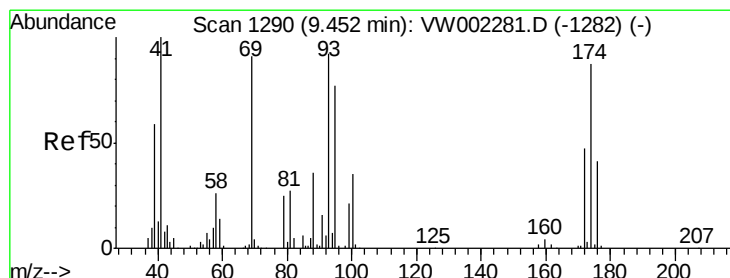
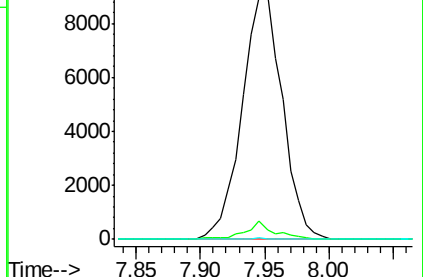
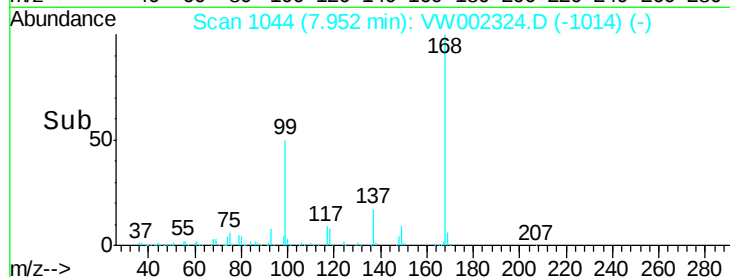
121 0.0 24.4 36.6#



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: 2.49 ug/l

RT: 9.51 min Scan# 1299

Delta R.T. 0.05 min

Lab File: VW002324.D

Acq: 09 May 2018 05:24

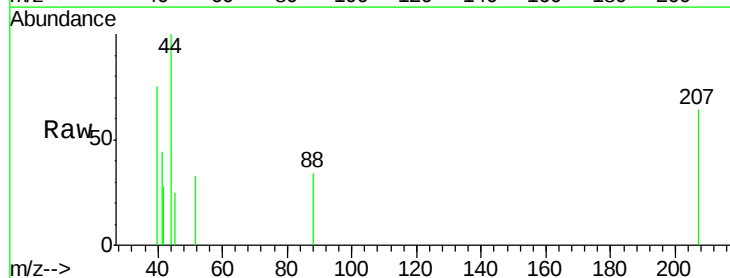
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

43 0.0 26.3 39.5#

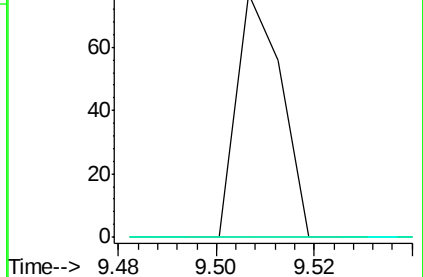
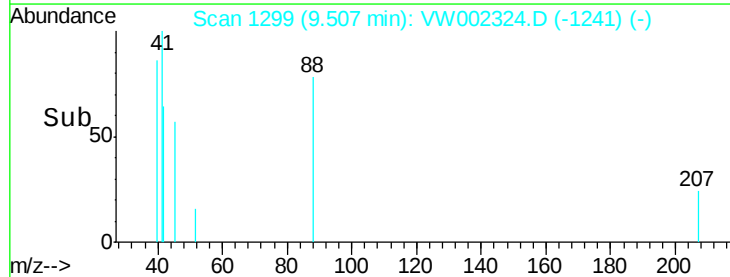
58 0.0 56.0 84.0#

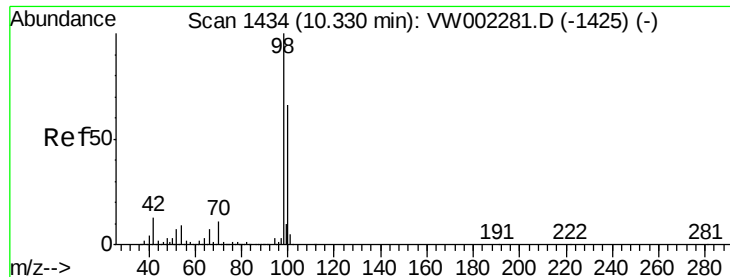


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 36.45 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002324.D

Acq: 09 May 2018 05:24

Instrument :

MSVOA_W

ClientSampleId :

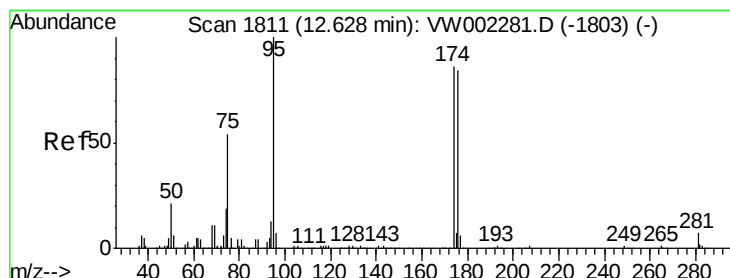
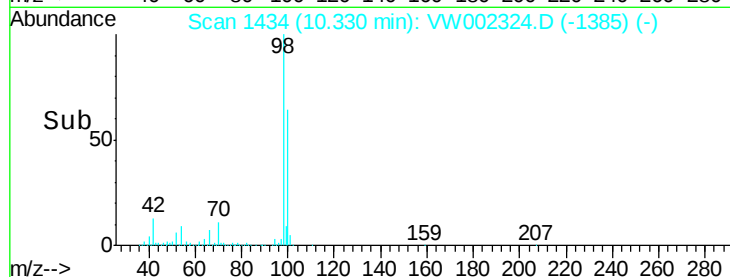
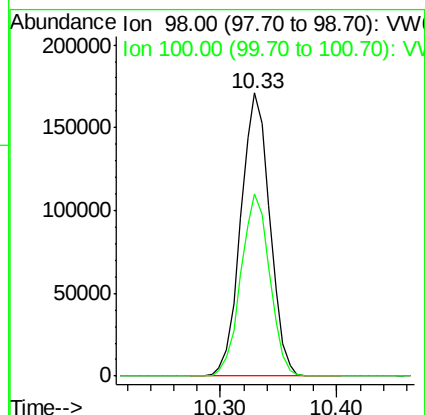
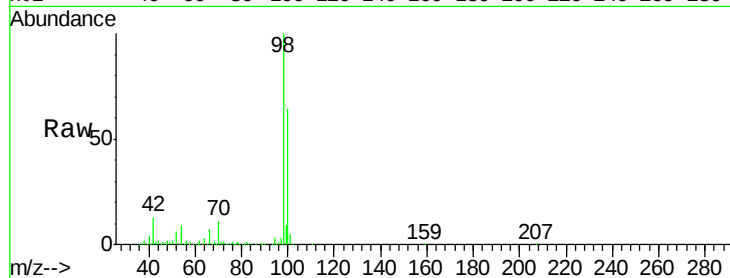
LS-SOIL-PILE-2A

Tgt Ion: 98 Resp: 297633

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 33.38 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002324.D

Acq: 09 May 2018 05:24

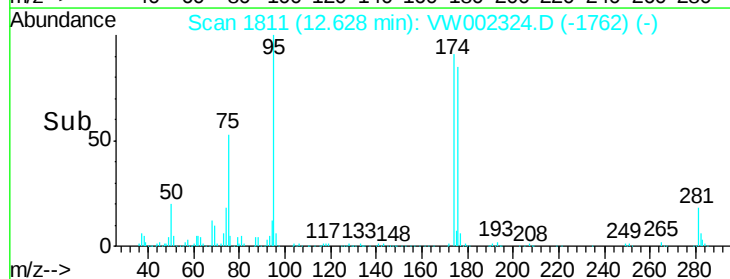
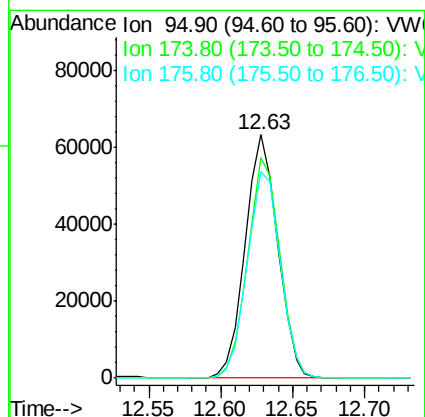
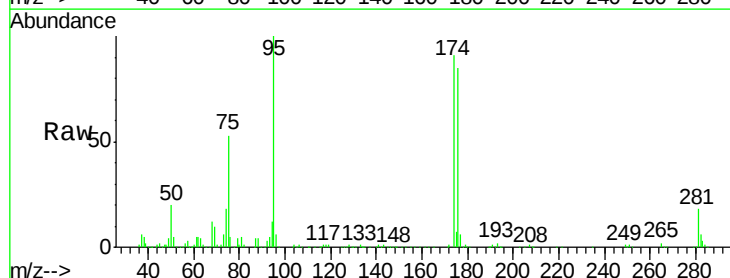
Tgt Ion: 95 Resp: 98493

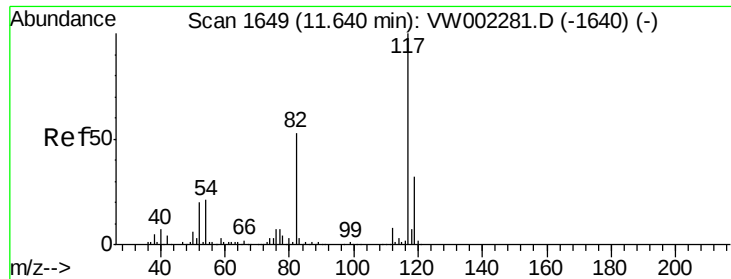
Ion Ratio Lower Upper

95 100

174 90.4 0.0 176.8

176 86.7 0.0 170.4

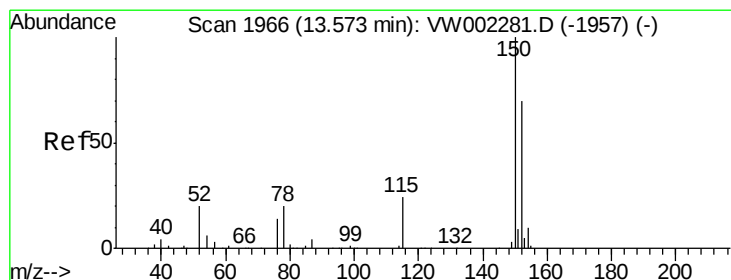
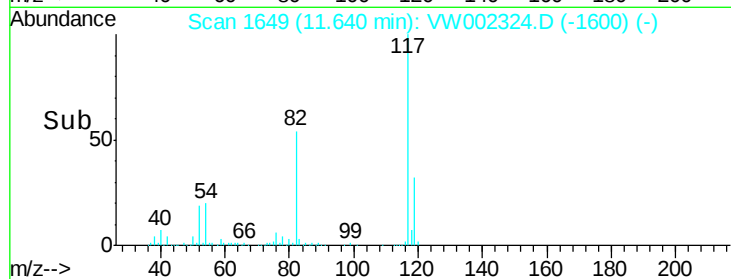
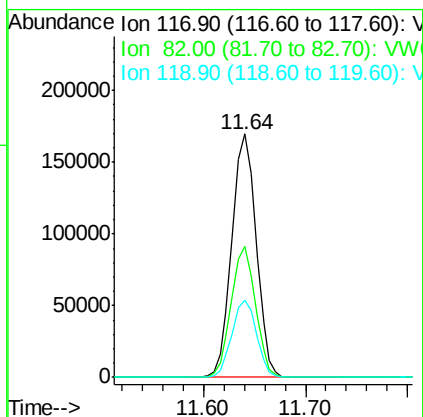
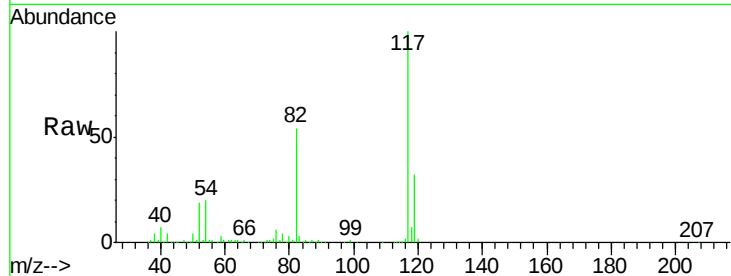




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.64 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VW002324.D
 Acq: 09 May 2018 05:24

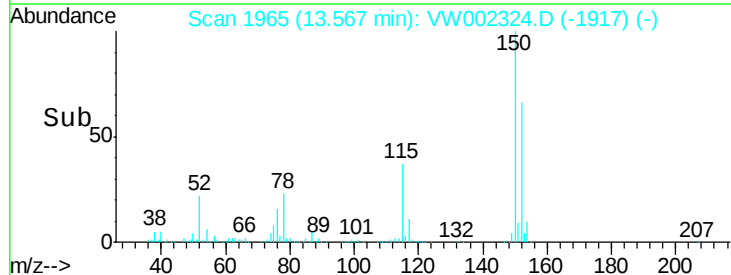
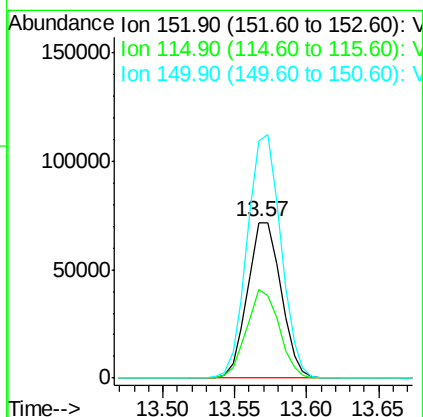
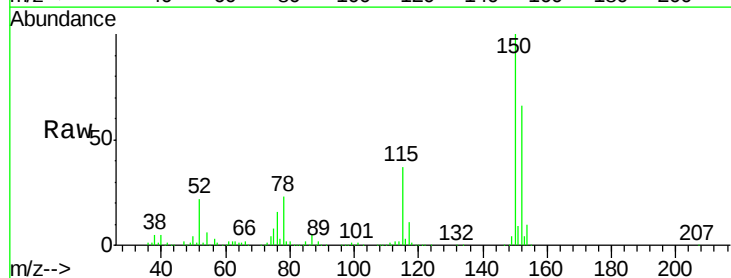
Instrument :
 MSVOA_W
 ClientSampleId :
 LS-SOIL-PILE-2A

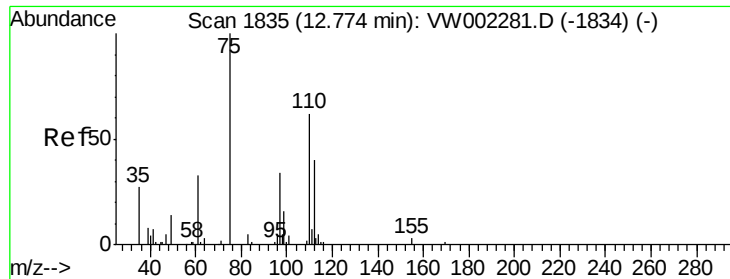
Tgt Ion:117 Resp: 279742
 Ion Ratio Lower Upper
 117 100
 82 53.9 42.6 63.8
 119 31.8 25.2 37.8



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.01 min
 Lab File: VW002324.D
 Acq: 09 May 2018 05:24

Tgt Ion:152 Resp: 115742
 Ion Ratio Lower Upper
 152 100
 115 55.3 28.5 85.5
 150 156.2 0.0 342.6

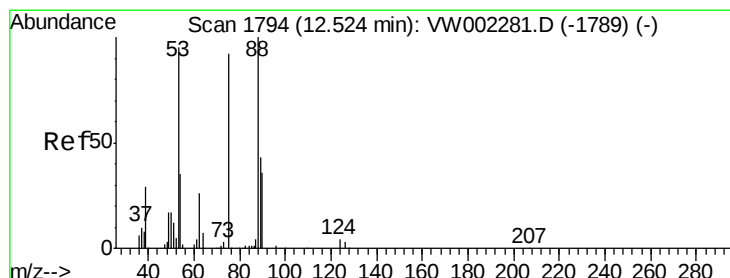
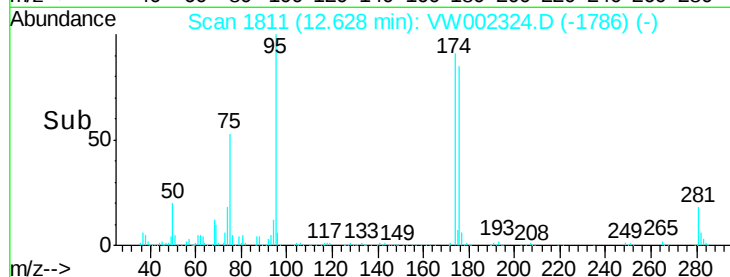
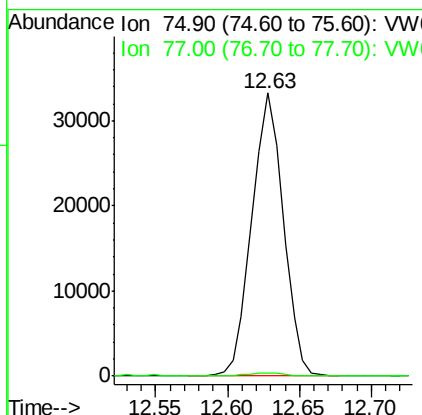
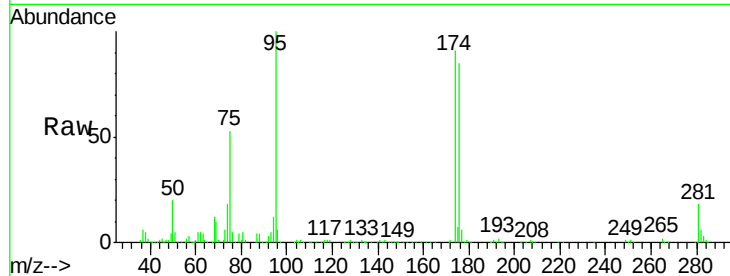




#76
 1,2,3-Trichloropropane
 Concen: 49.21 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002324.D
 Acq: 09 May 2018 05:24

Instrument :
 MSVOA_W
 ClientSampleId :
 LS-SOIL-PILE-2A

Tgt Ion: 75 Resp: 50509
 Ion Ratio Lower Upper
 75 100
 77 1.4 187.5 562.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.63 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002324.D
 Acq: 09 May 2018 05:24

Tgt Ion: 75 Resp: 50509
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.9 119.9#
 89 0.3 37.6 56.4#

