

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005711.D
 Acq On : 27 Sep 2018 20:01
 Operator : VA/AP
 Sample : J5093-01RE
 Misc : 3.87G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TOP-SOIL

Quant Time: Sep 28 01:23:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	166288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	258854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	168982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	41432	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	118561	60.52	ug/l	0.00
Spiked Amount			Recovery	=	121.04%	
35) Dibromofluoromethane	7.89	113	95212	58.49	ug/l	0.00
Spiked Amount			Recovery	=	116.98%	
50) Toluene-d8	10.33	98	289973	43.75	ug/l	0.00
Spiked Amount			Recovery	=	87.50%	
62) 4-Bromofluorobenzene	12.62	95	61349	25.01	ug/l	0.00
Spiked Amount			Recovery	=	50.02%	

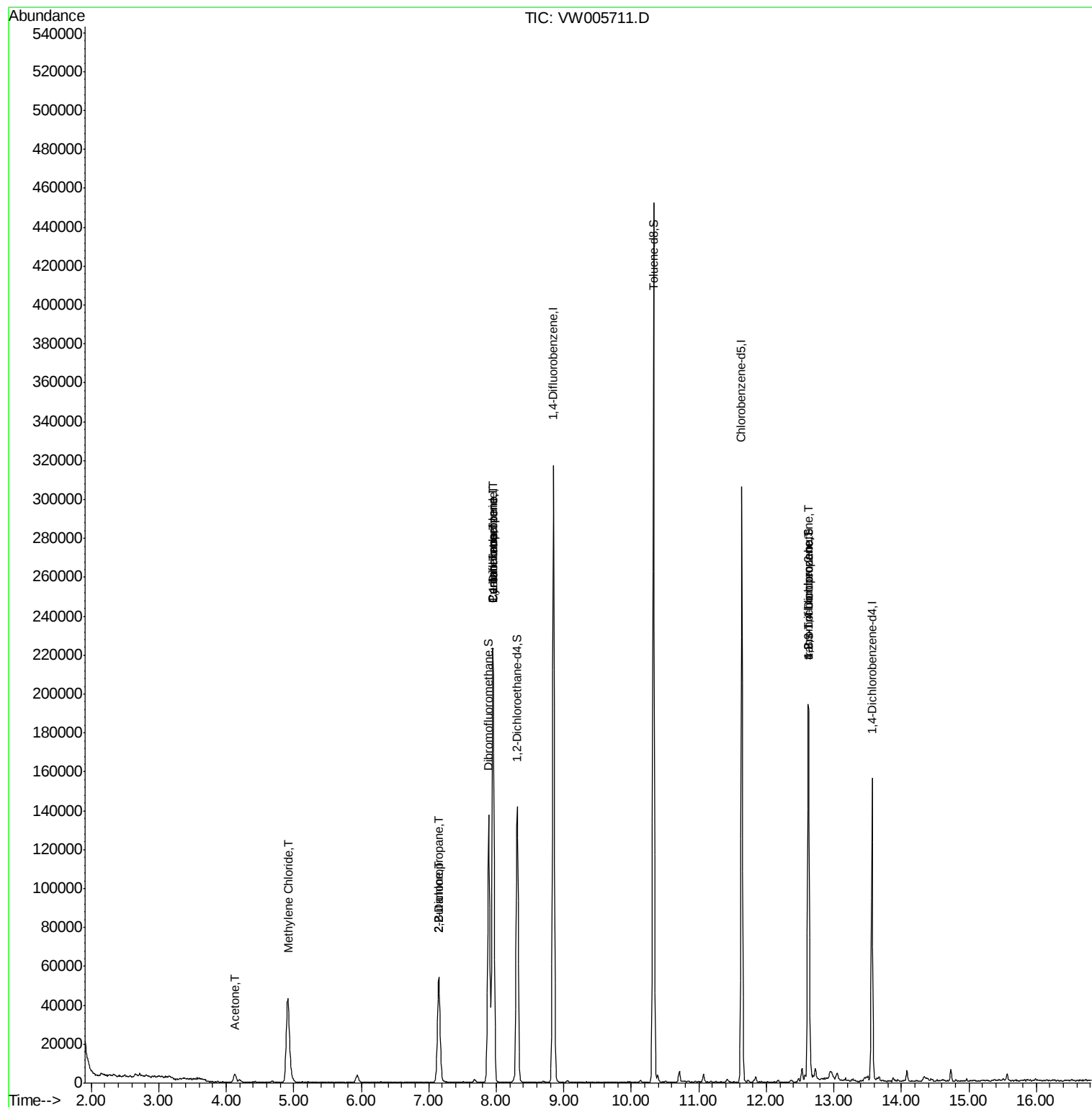
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	35	Below Cal	#	72
16) Acetone	4.13	43	7823	16.591	ug/l	98
20) Methylene Chloride	4.92	84	36448	19.599	ug/l	94
25) 2-Butanone	7.15	43	3255	6.841	ug/l #	87
26) 2,2-Dichloropropane	7.15	77	3708	1.675	ug/l #	54
31) Cyclohexane	7.95	56	3856	1.270	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	12848	4.931	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16397	5.872	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	32301	91.458	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	32301	205.990	ug/l #	7

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

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QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005711.D

Acq: 27 Sep 2018 20:01

Instrument :

MSVOA_W

ClientSampleId :

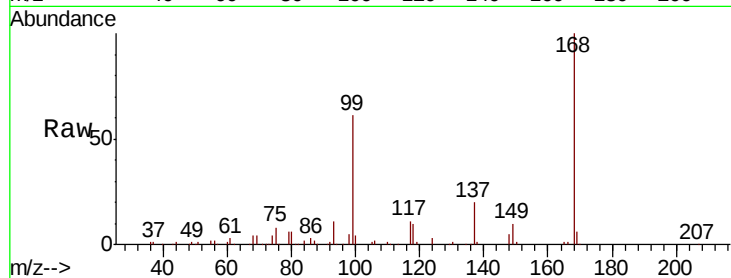
TOP-SOIL

Tgt Ion: 168 Resp: 166288

Ion Ratio Lower Upper

168 100

99 60.9 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

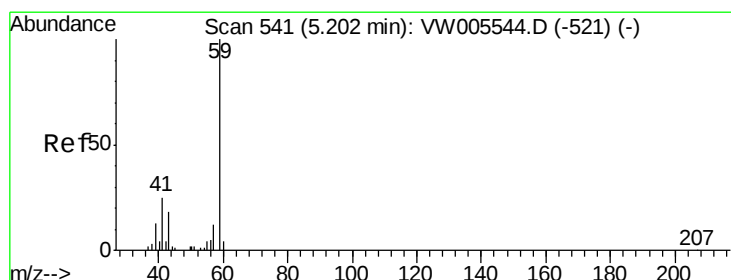
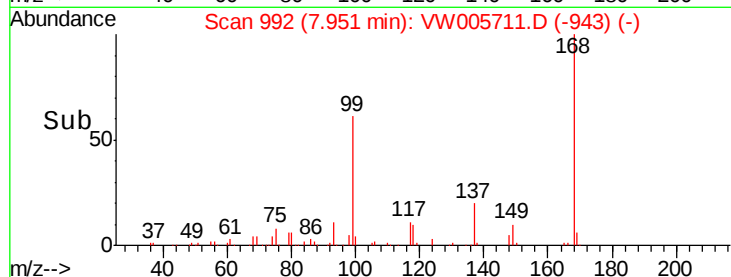
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. -0.02 min

Lab File: VW005711.D

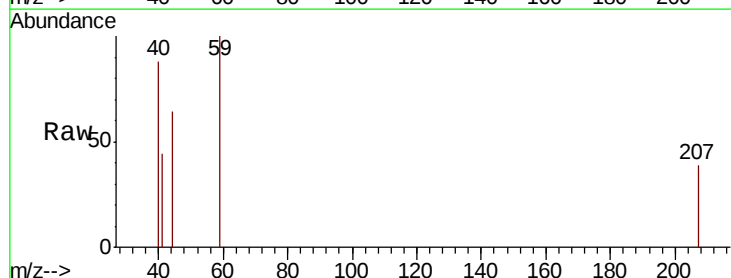
Acq: 27 Sep 2018 20:01

Tgt Ion: 59 Resp: 35

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

200

150

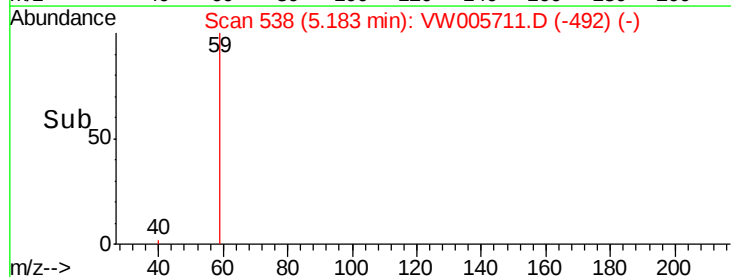
100

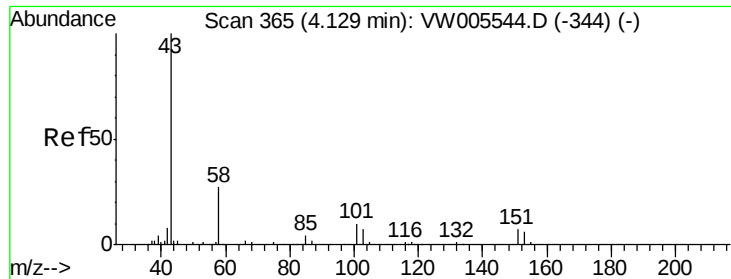
50

0

5.17 5.18 5.18 5.19

Time-->





#16

Acetone

Concen: 16.591 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW005711.D

Acq: 27 Sep 2018 20:01

Instrument :

MSVOA_W

ClientSampleId :

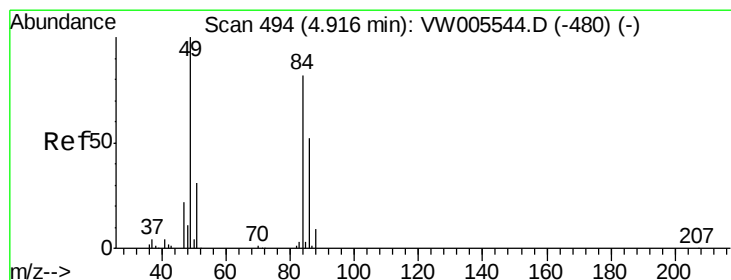
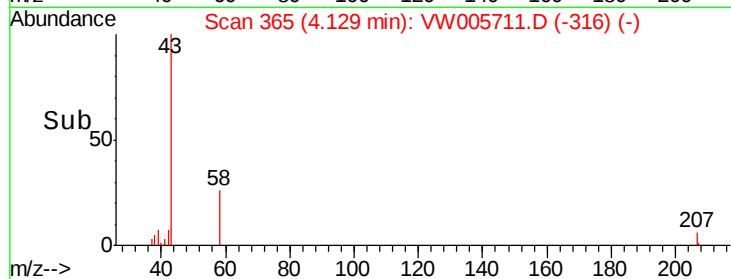
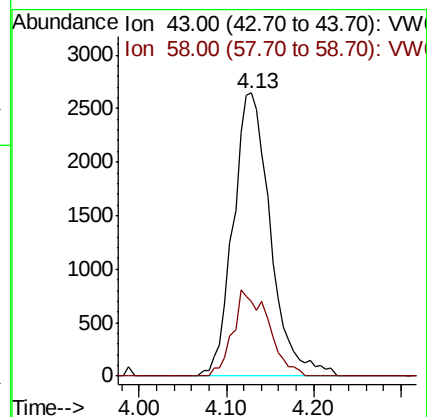
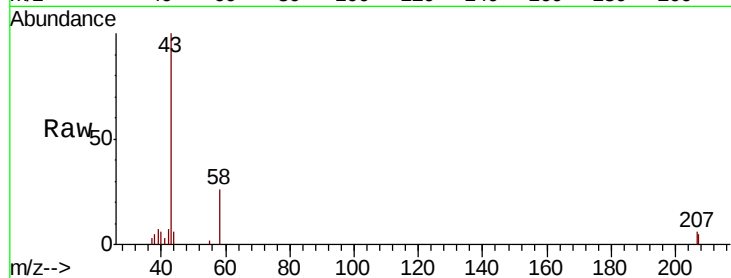
TOP-SOIL

Tgt Ion: 43 Resp: 7823

Ion Ratio Lower Upper

43 100

58 26.4 21.8 32.8



#20

Methylene Chloride

Concen: 19.599 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW005711.D

Acq: 27 Sep 2018 20:01

Tgt Ion: 84 Resp: 36448

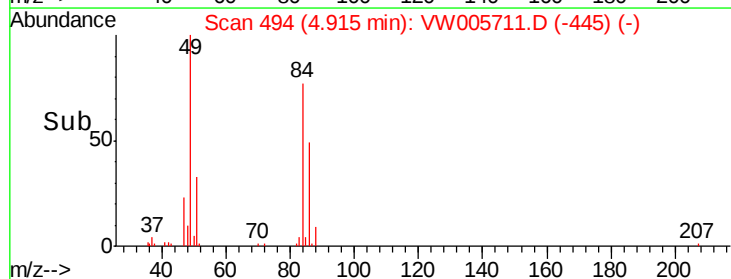
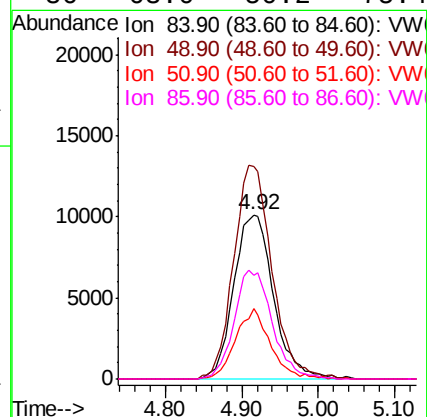
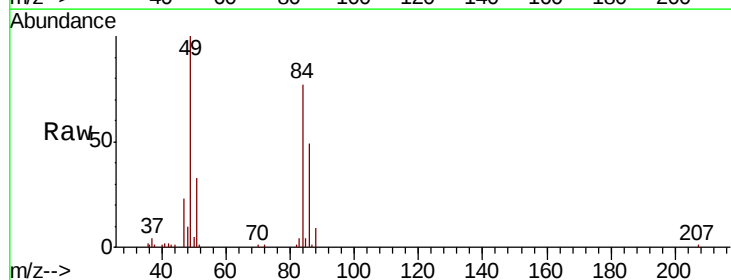
Ion Ratio Lower Upper

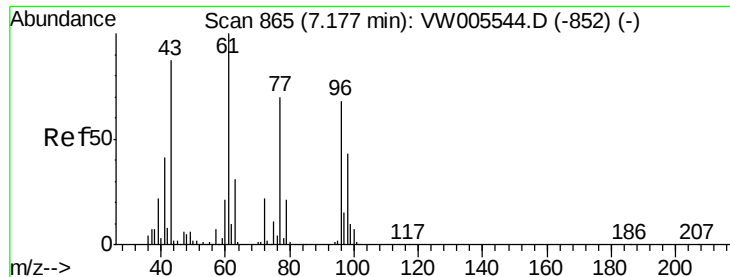
84 100

49 129.6 97.0 145.6

51 42.9 30.2 45.2

86 63.0 50.2 75.4





#25

2-Butanone

Concen: 6.841 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

Lab File: VW005711.D

Acq: 27 Sep 2018 20:01

Instrument :

MSVOA_W

ClientSampled :

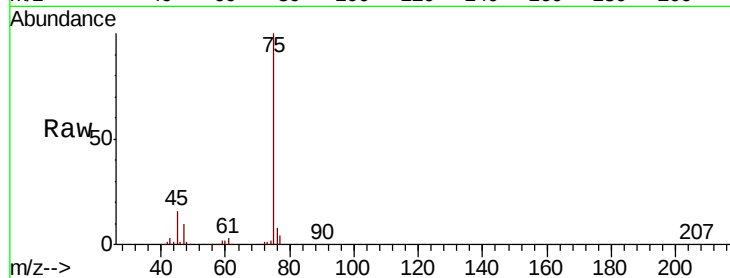
TOP-SOIL

Tgt Ion: 43 Resp: 3255

Ion Ratio Lower Upper

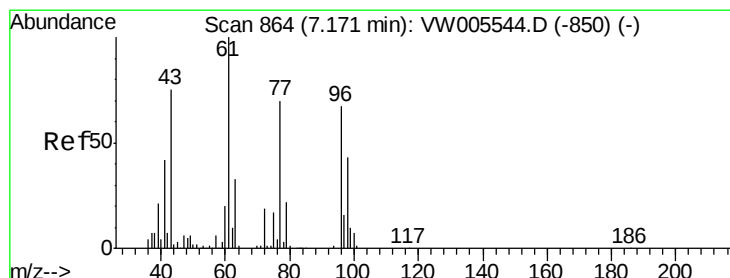
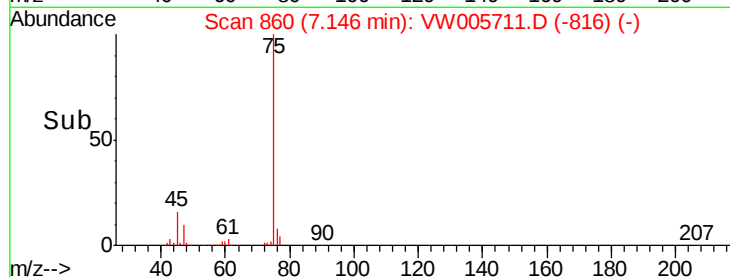
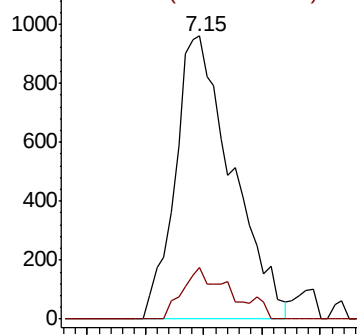
43 100

72 18.4 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.675 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW005711.D

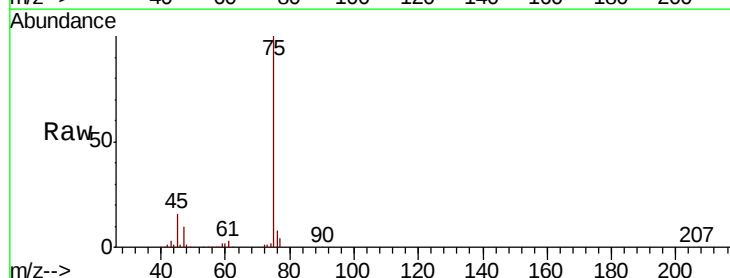
Acq: 27 Sep 2018 20:01

Tgt Ion: 77 Resp: 3708

Ion Ratio Lower Upper

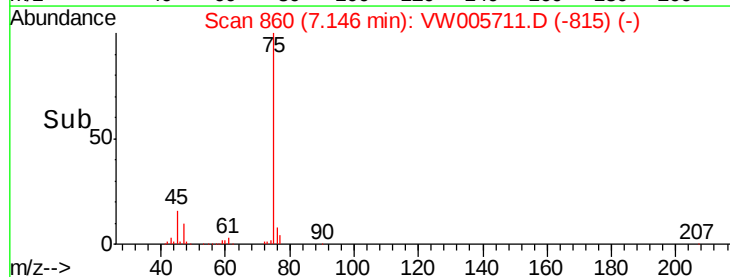
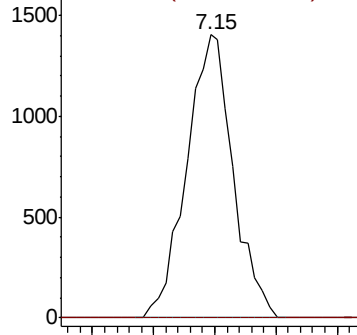
77 100

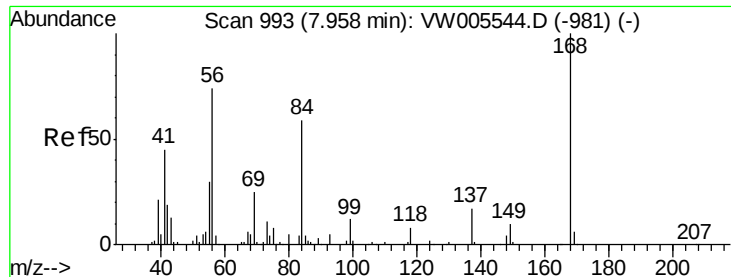
97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

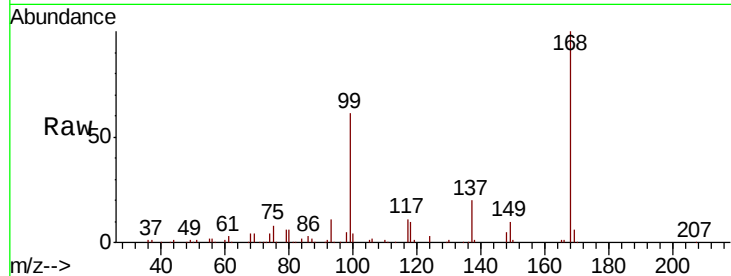




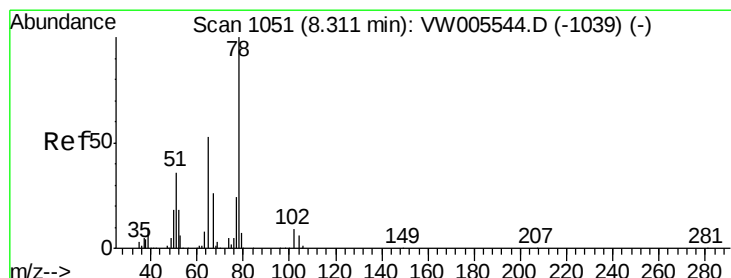
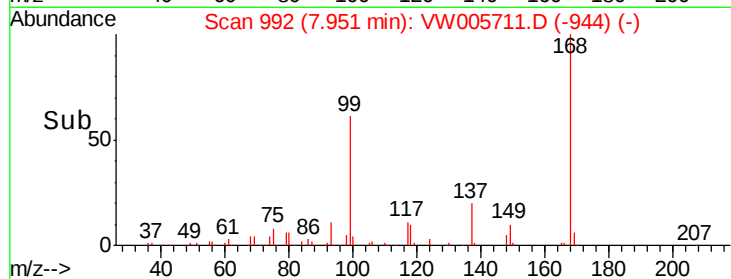
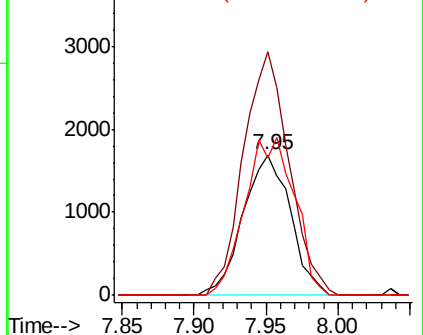
#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005711.D
Acq: 27 Sep 2018 20:01

Instrument :
MSVOA_W
ClientSampled :
TOP-SOIL

Tgt Ion	Ratio	Lower	Upper
56	100		
69	173.2	27.0	40.4#
84	97.7	64.2	96.4#

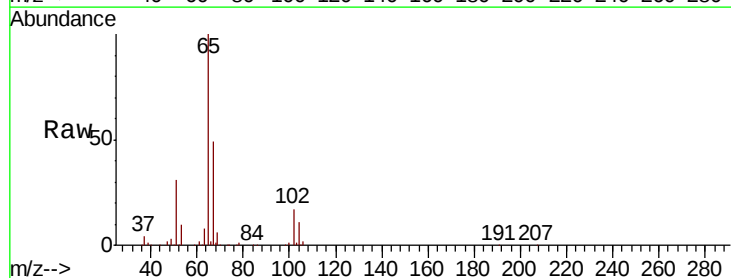


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

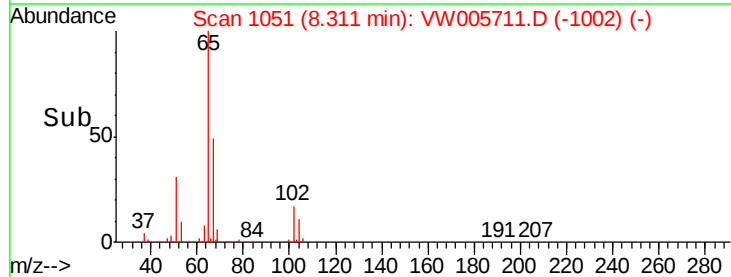
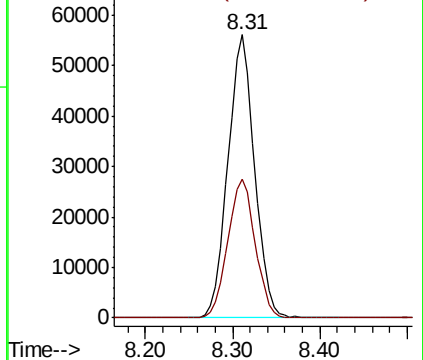


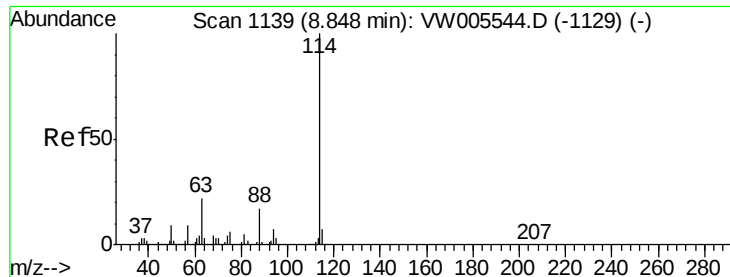
#33
1,2-Dichloroethane-d4
Concen: 60.521 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005711.D
Acq: 27 Sep 2018 20:01

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.6



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

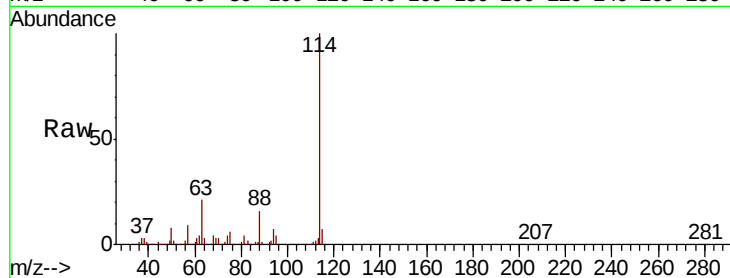




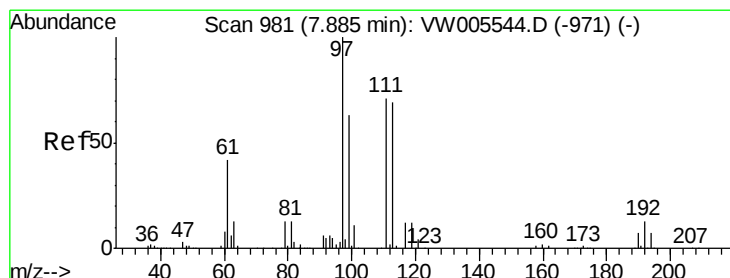
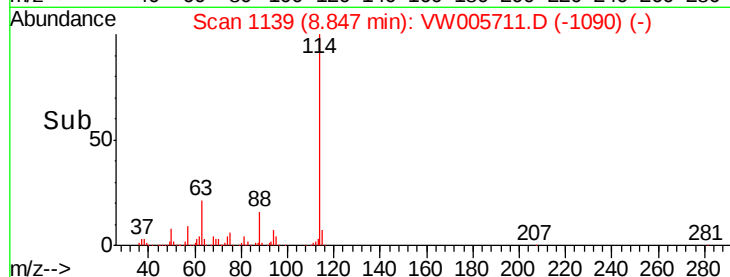
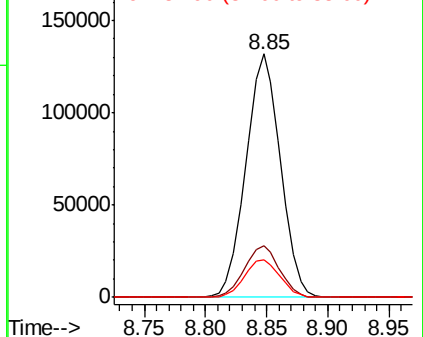
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005711.D
 Acq: 27 Sep 2018 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 TOP-SOIL

Tgt Ion:114 Resp: 258854
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.0
 88 15.6 0.0 33.0

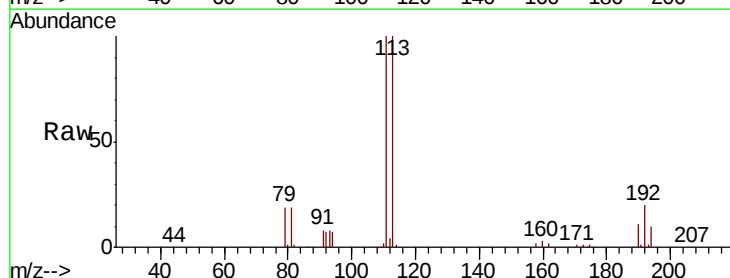


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

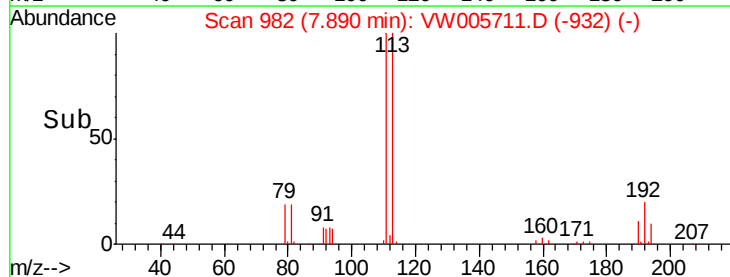
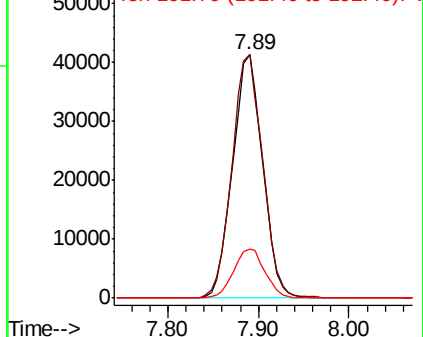


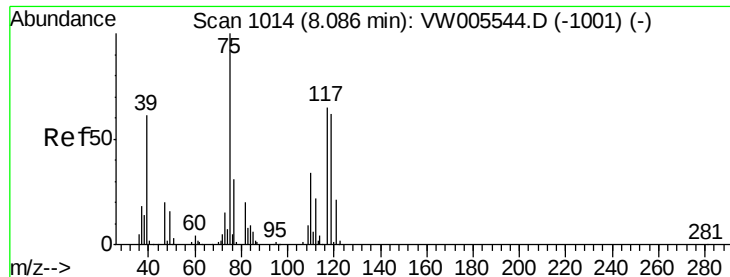
#35
 Dibromofluoromethane
 Concen: 58.490 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005711.D
 Acq: 27 Sep 2018 20:01

Tgt Ion:113 Resp: 95212
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 20.9 17.0 25.4



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

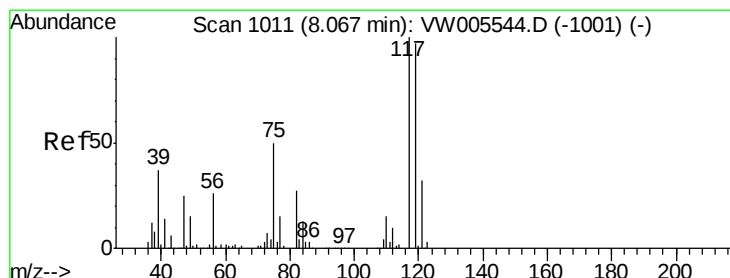
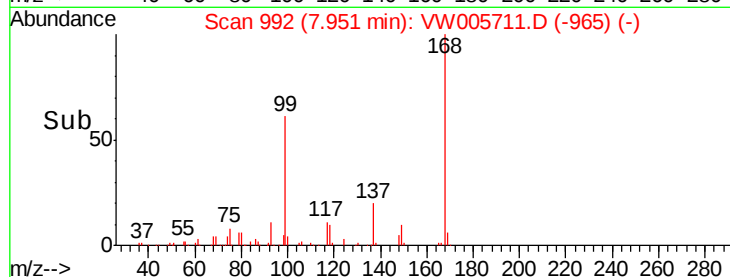
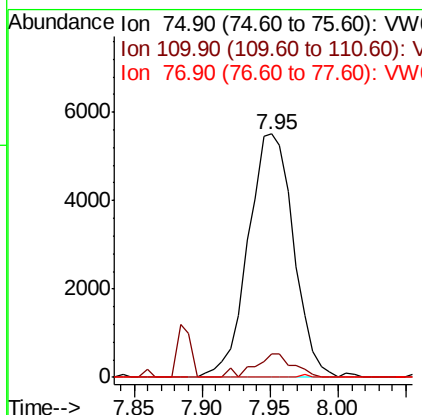
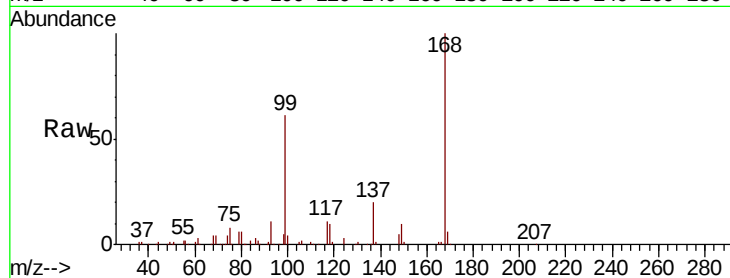




#36
 1,1-Dichloropropene
 Concen: 4.931 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005711.D
 Acq: 27 Sep 2018 20:01

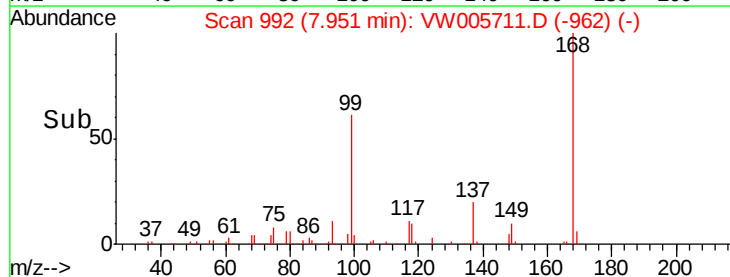
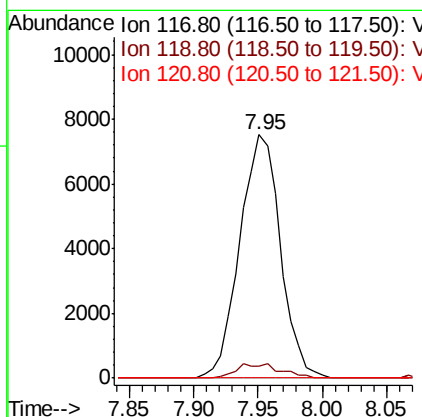
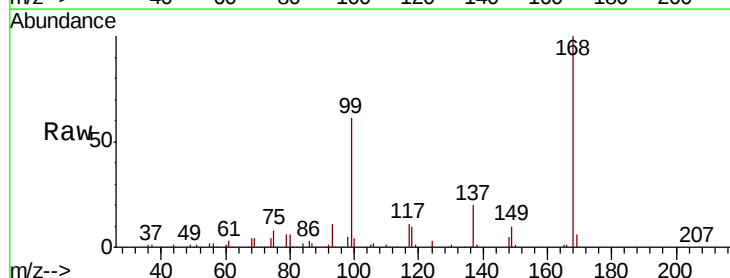
Instrument :
 MSVOA_W
 ClientSampleId :
 TOP-SOIL

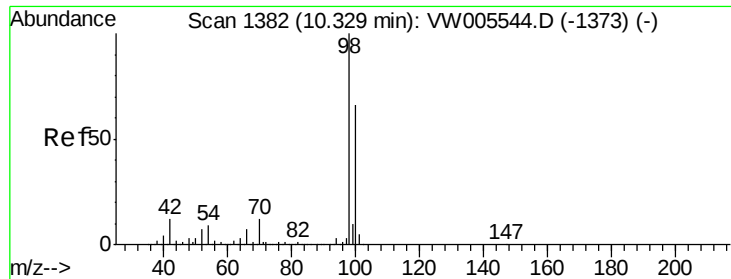
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.872 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005711.D
 Acq: 27 Sep 2018 20:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.6	116.4#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 43.748 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005711.D

Acq: 27 Sep 2018 20:01

Instrument :

MSVOA_W

ClientSampleId :

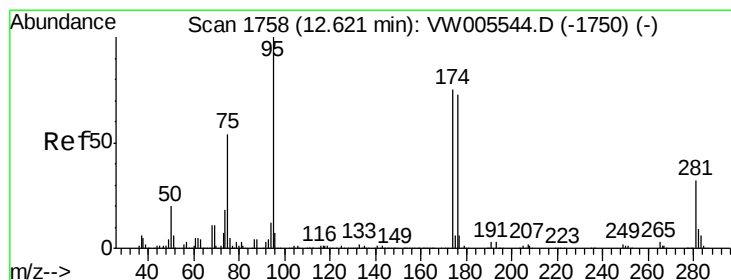
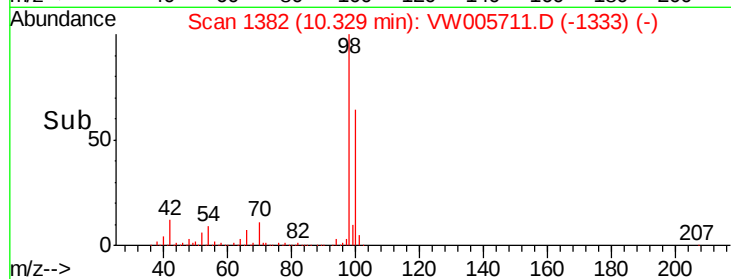
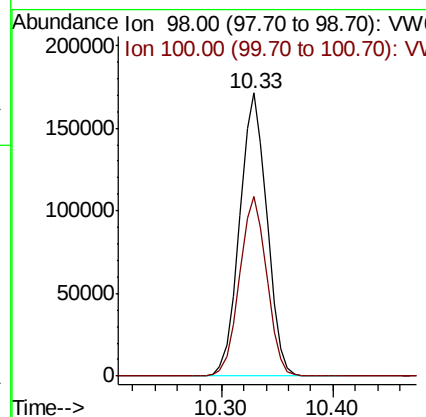
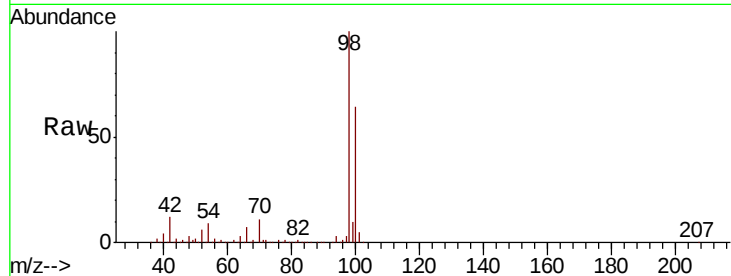
TOP-SOIL

Tgt Ion: 98 Resp: 289973

Ion Ratio Lower Upper

98 100

100 63.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 25.014 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005711.D

Acq: 27 Sep 2018 20:01

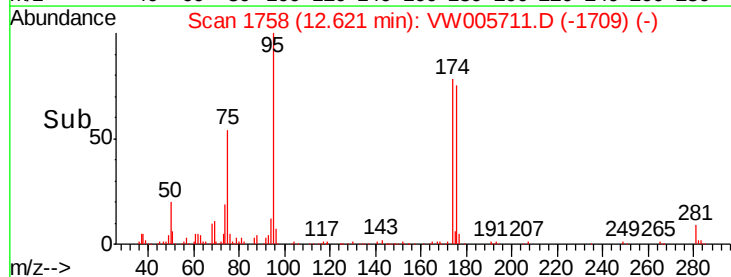
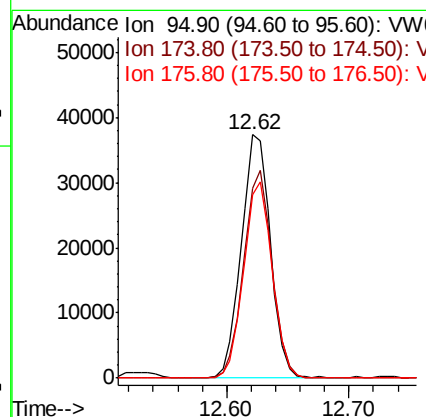
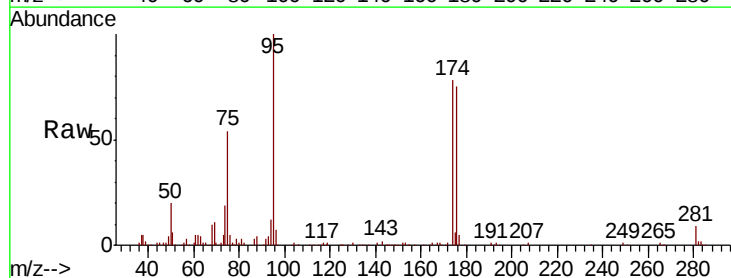
Tgt Ion: 95 Resp: 61349

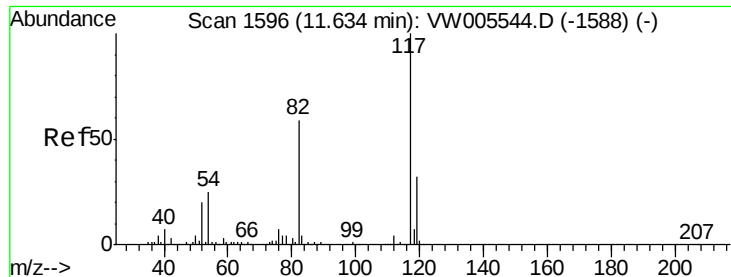
Ion Ratio Lower Upper

95 100

174 83.4 0.0 163.8

176 79.4 0.0 158.0

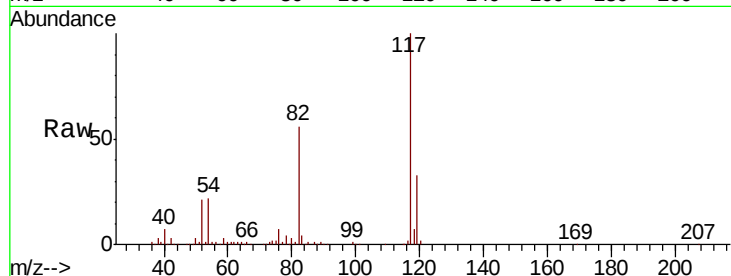




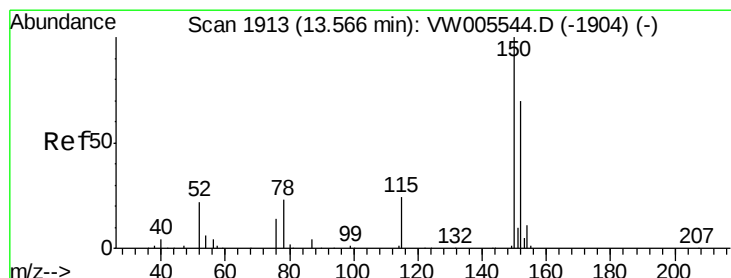
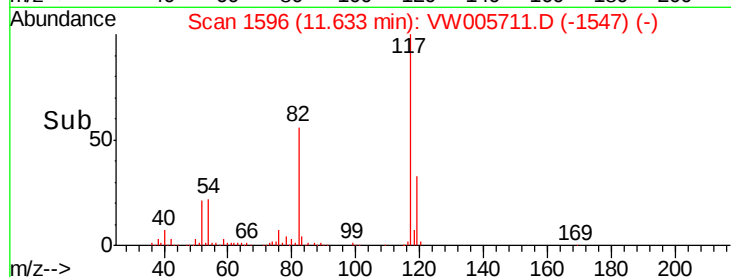
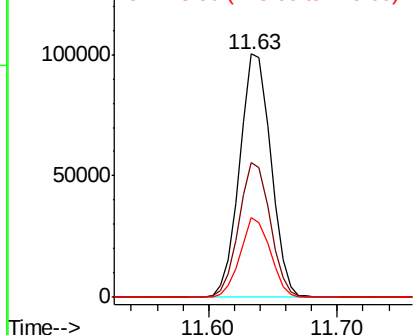
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005711.D
Acq: 27 Sep 2018 20:01

Instrument :
MSVOA_W
ClientSampled :
TOP-SOIL

Tgt Ion:117 Resp: 168982
Ion Ratio Lower Upper
117 100
82 55.5 46.9 70.3
119 32.8 25.7 38.5

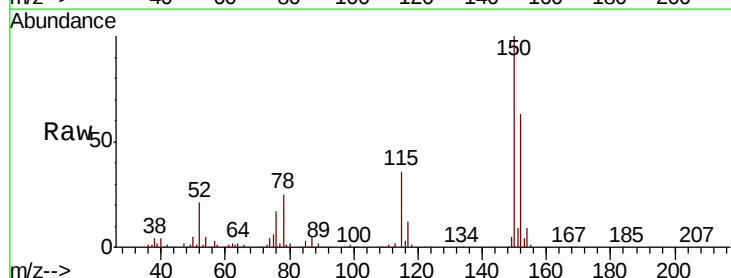


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

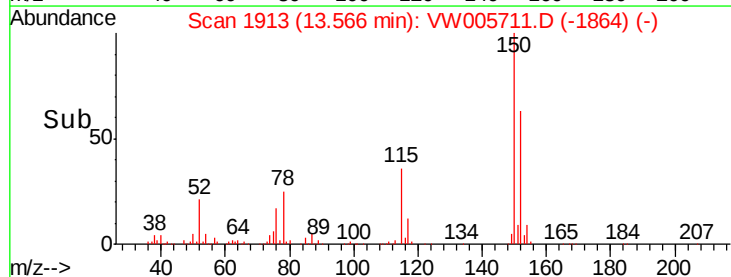
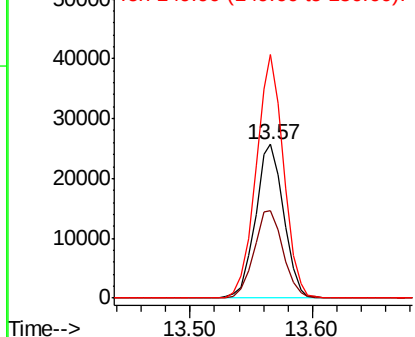


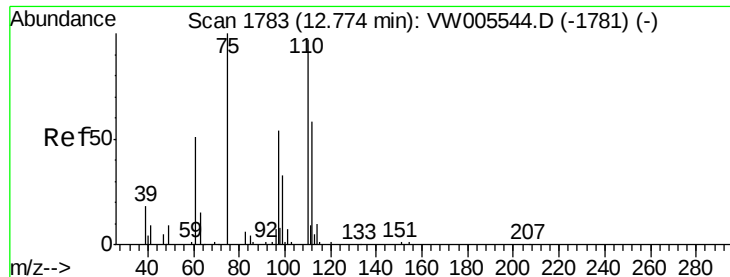
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005711.D
Acq: 27 Sep 2018 20:01

Tgt Ion:152 Resp: 41432
Ion Ratio Lower Upper
152 100
115 58.6 30.0 90.0
150 153.4 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 91.458 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005711.D

Acq: 27 Sep 2018 20:01

Instrument :

MSVOA_W

ClientSampled :

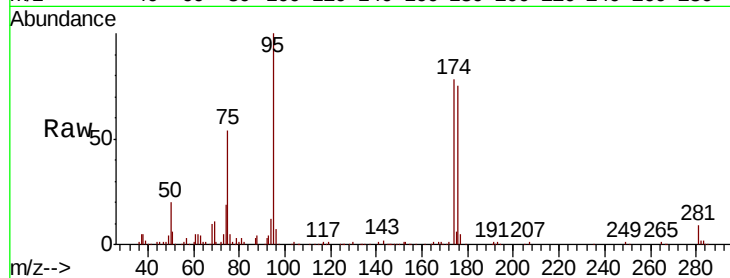
TOP-SOIL

Tgt Ion: 75 Resp: 32301

Ion Ratio Lower Upper

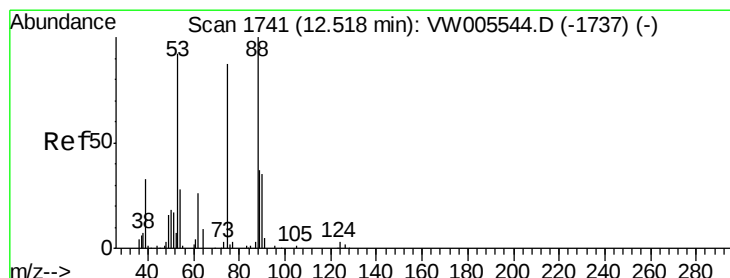
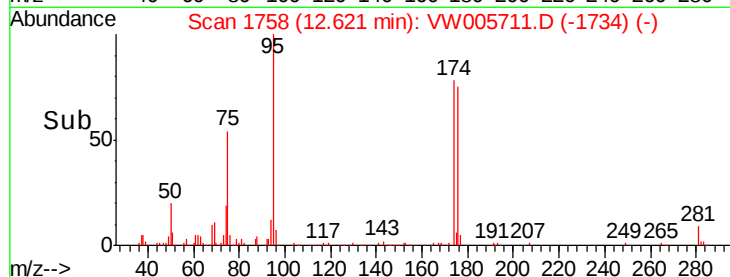
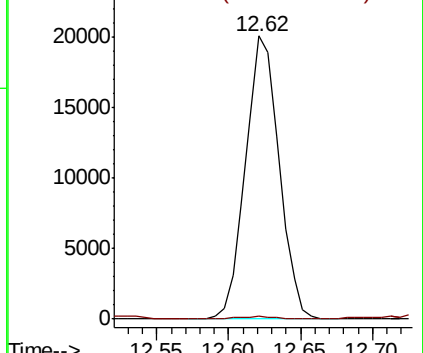
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 205.990 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005711.D

Acq: 27 Sep 2018 20:01

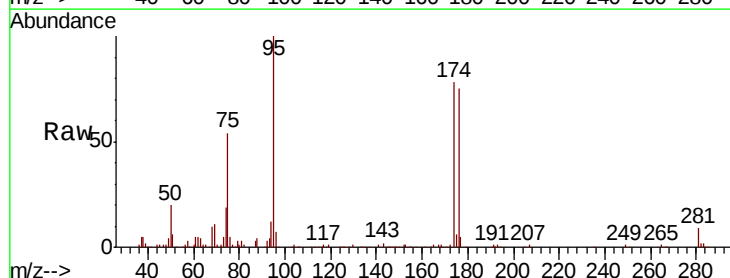
Tgt Ion: 75 Resp: 32301

Ion Ratio Lower Upper

75 100

53 0.1 85.8 128.6#

89 0.0 37.3 55.9#



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

