

Data File : VW008180.D
Acq On : 11 Jan 2019 06:53
Operator : SY/AP
Sample : K1100-03RE
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DRUM-B

Quant Time: Jan 11 07:26:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	144072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	137301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64464	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	50548	59.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.04%	
35) Dibromofluoromethane	7.88	113	45400	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
50) Toluene-d8	10.32	98	191593	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
62) 4-Bromofluorobenzene	12.62	95	68840	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	

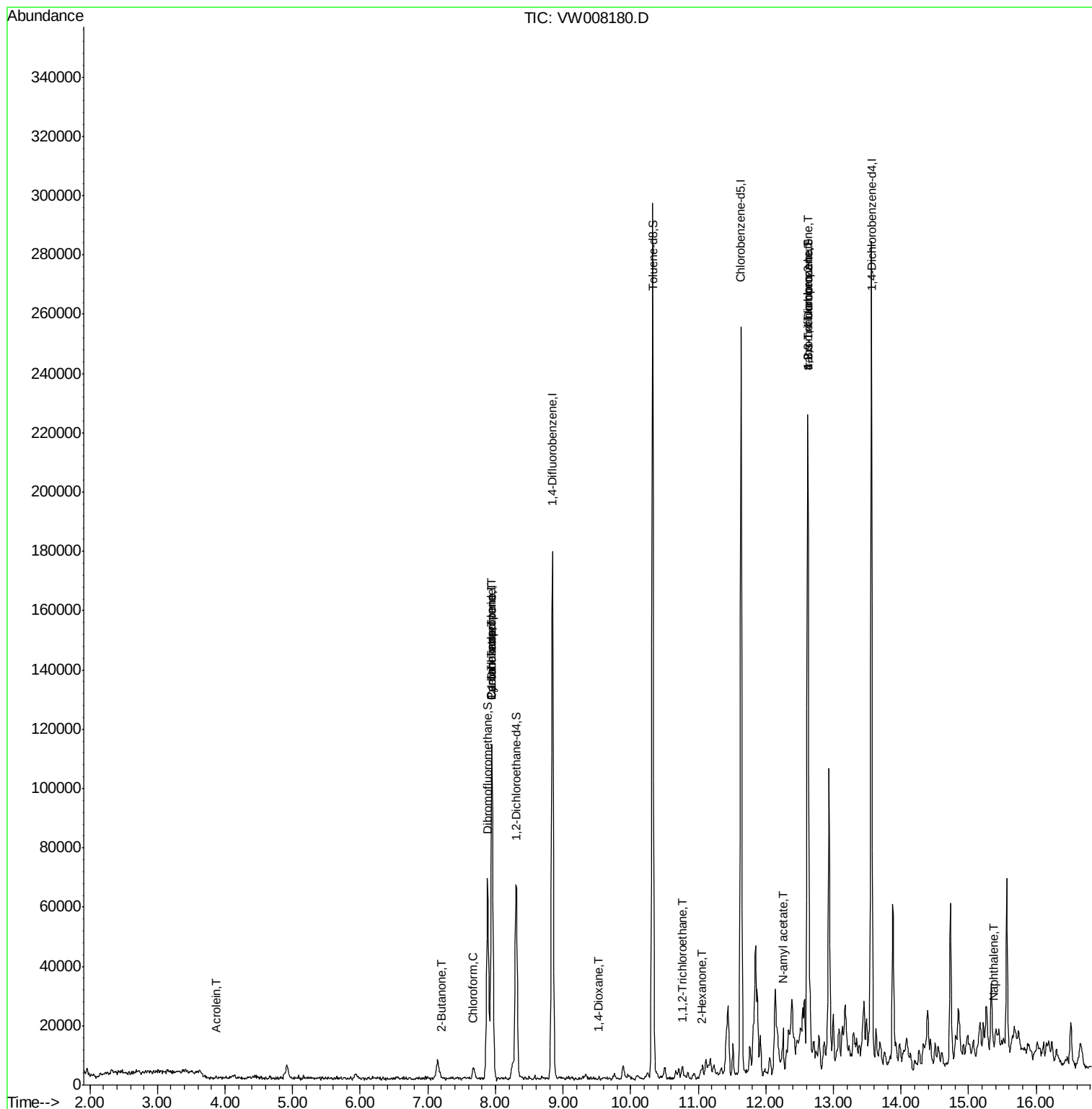
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.29	59	52	Below Cal	#	100
13) Acrolein	3.88	56	186	1.776	ug/l #	42
16) Acetone	4.14	43	2098	Below Cal		95
20) Methylene Chloride	4.91	84	2976	Below Cal		89
25) 2-Butanone	7.21	43	1020	4.280	ug/l #	49
30) Chloroform	7.67	83	3004	1.874	ug/l	86
31) Cyclohexane	7.95	56	2256	1.252	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	7010	4.723	ug/l #	52
38) Carbon Tetrachloride	7.95	117	8670	6.383	ug/l #	18
49) 1,4-Dioxane	9.52	88	22	2.791	ug/l #	89
55) 1,1,2-Trichloroethane	10.76	97	1217	1.768	ug/l #	26
59) 2-Hexanone	11.05	43	761	1.956	ug/l	64
74) N-amyl acetate	12.26	43	2923	2.608	ug/l #	74
76) 1,2,3-Trichloropropane	12.62	75	34689	59.029	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	34689	137.461	ug/l #	11
95) Naphthalene	15.38	128	2390	1.011	ug/l #	88

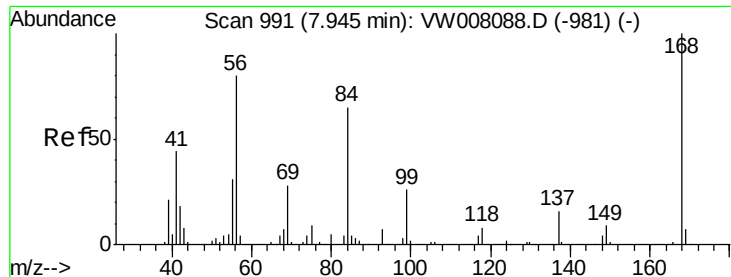
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008180.D

Acq: 11 Jan 2019 06:53

Instrument :

MSVOA_W

ClientSampleId :

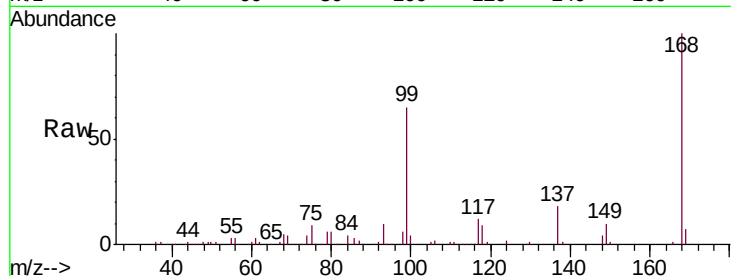
SOIL-DRUM-B

Tgt Ion:168 Resp: 76209

Ion Ratio Lower Upper

168 100

99 65.4 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

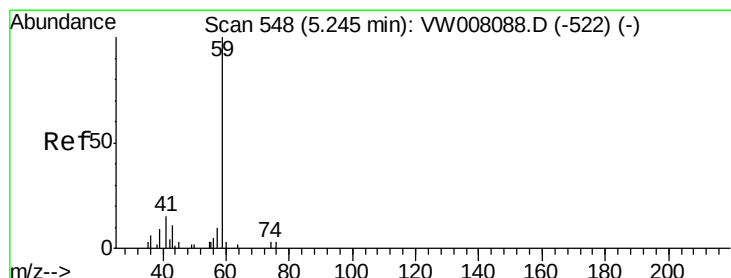
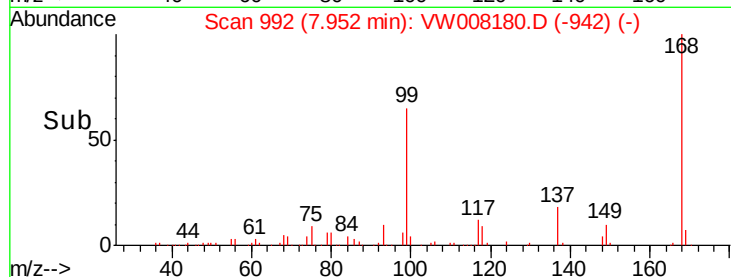
30000

20000

10000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.29 min Scan# 556

Delta R.T. 0.05 min

Lab File: VW008180.D

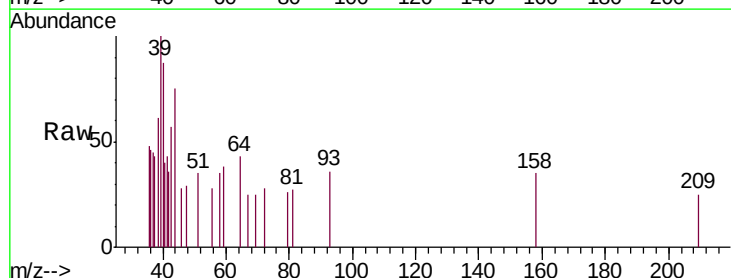
Acq: 11 Jan 2019 06:53

Tgt Ion: 59 Resp: 52

Ion Ratio Lower Upper

59 100

57 84.6 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.29

80

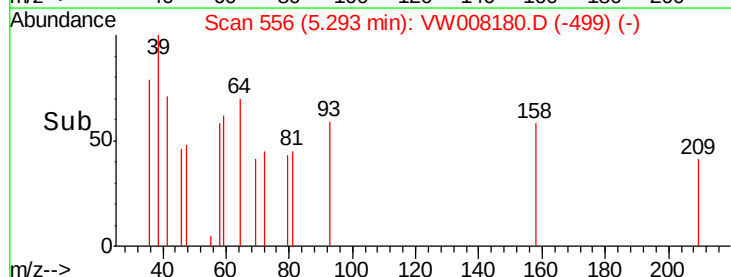
60

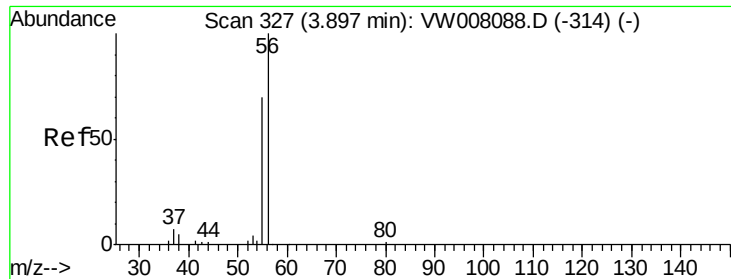
40

20

0

Time--> 5.28 5.29 5.30 5.31

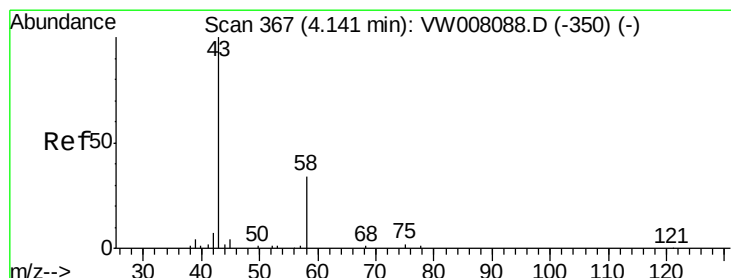
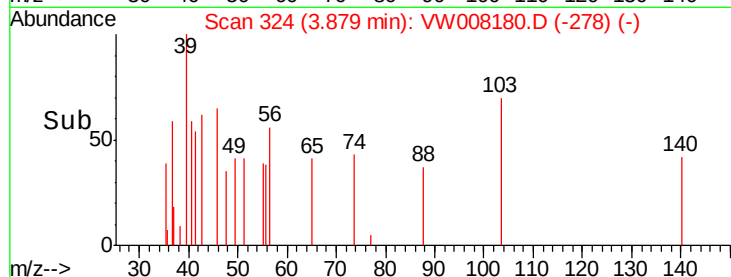
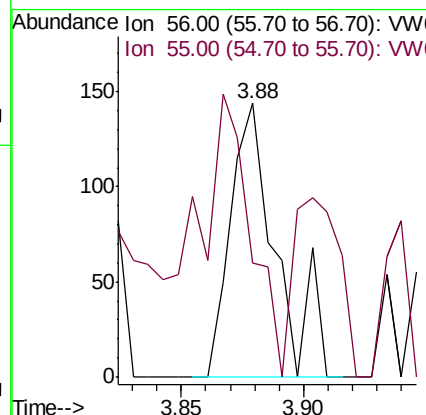
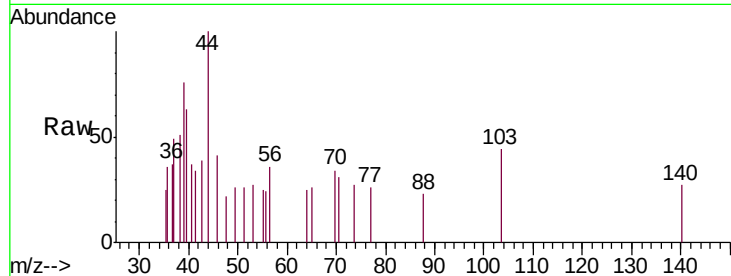




#13
Acrolein
Concen: 1.776 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.02 min
Lab File: VW008180.D
Acq: 11 Jan 2019 06:53

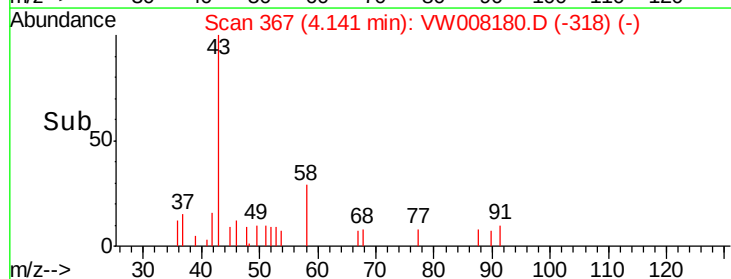
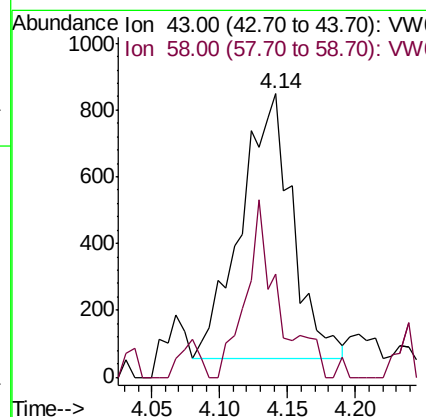
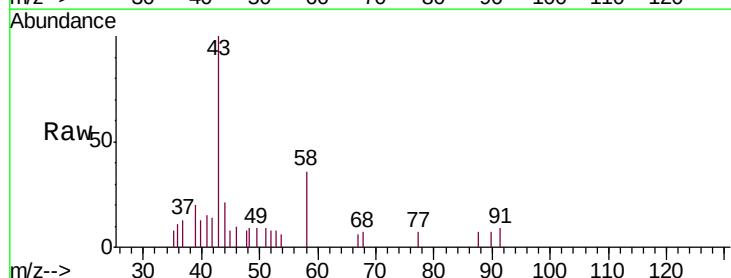
Instrument :
MSVOA_W
ClientSampled :
SOIL-DRUM-B

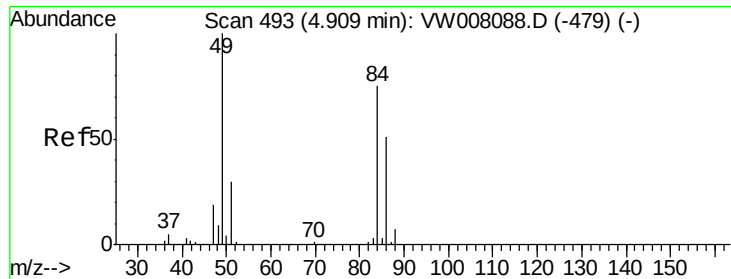
Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 118.8 56.6 84.8#



#16
Acetone
Concen: Below Cal
RT: 4.14 min Scan# 367
Delta R.T. 0.00 min
Lab File: VW008180.D
Acq: 11 Jan 2019 06:53

Tgt Ion: 43 Resp: 2098
Ion Ratio Lower Upper
43 100
58 31.4 27.5 41.3

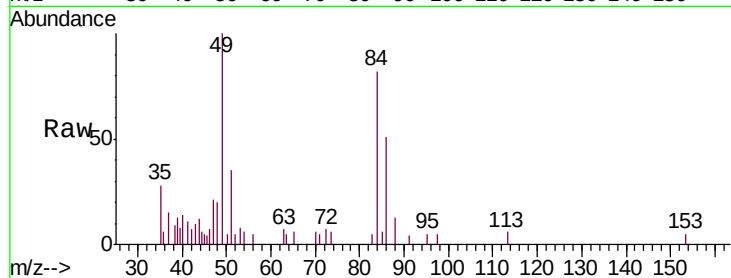




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008180.D
Acq: 11 Jan 2019 06:53

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DRUM-B

Tgt Ion:	84	Resp:	2976
Ion	Ratio	Lower	Upper
84	100		
49	115.5	107.1	160.7
51	42.7	32.4	48.6
86	61.6	54.2	81.4



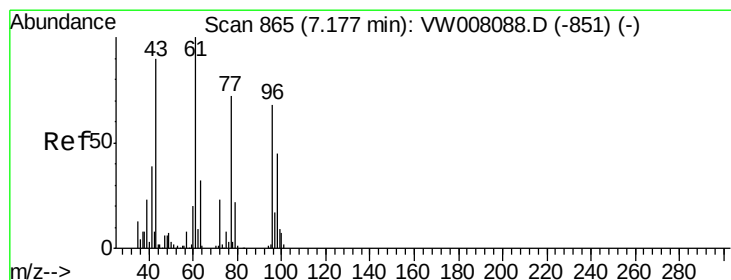
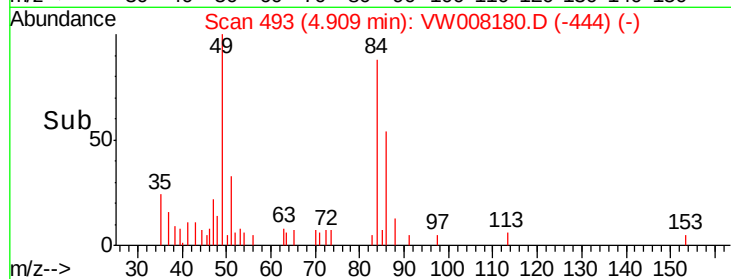
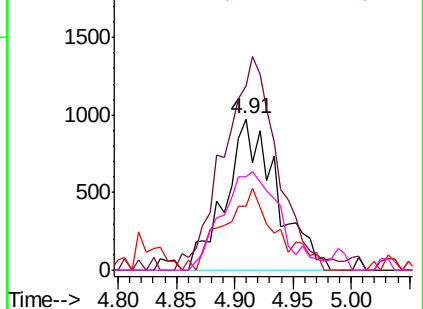
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

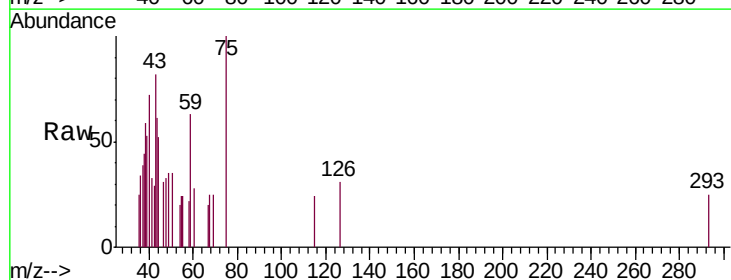
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 4.280 ug/l
RT: 7.21 min Scan# 870
Delta R.T. 0.03 min
Lab File: VW008180.D
Acq: 11 Jan 2019 06:53

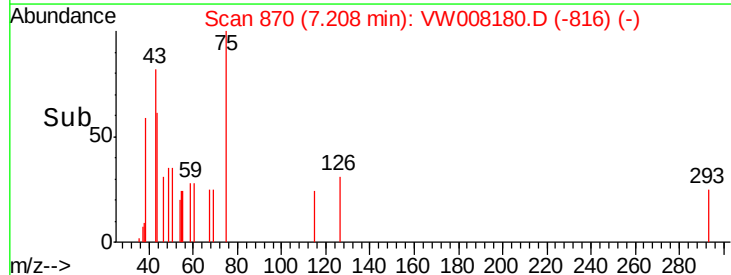
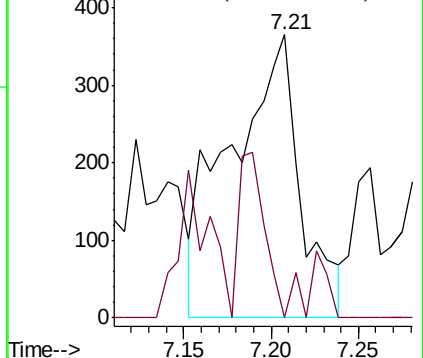
Tgt Ion:	43	Resp:	1020
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#

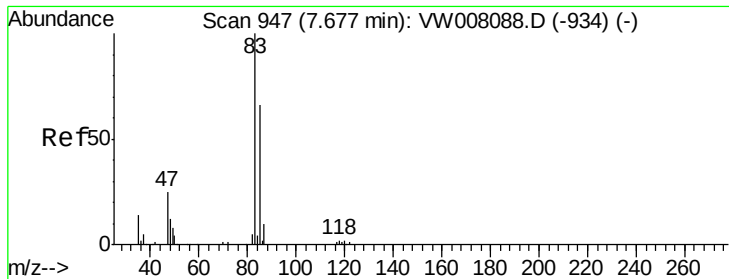


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

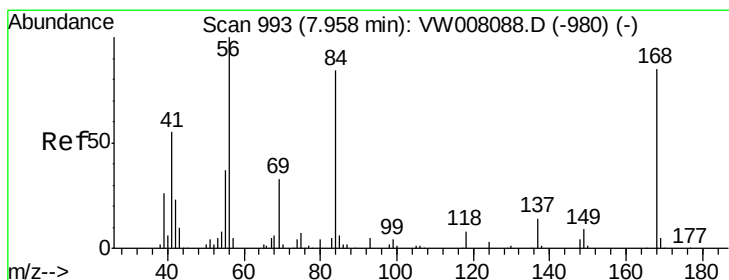
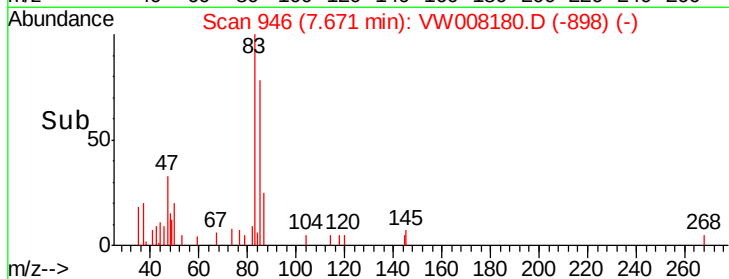
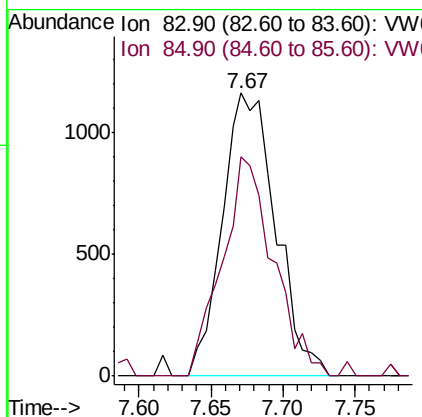
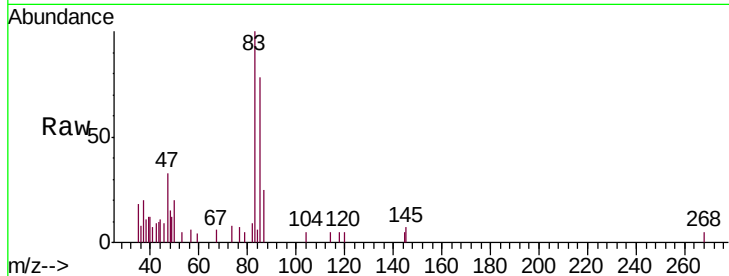




#30
Chloroform
Concen: 1.874 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008180.D
Acq: 11 Jan 2019 06:53

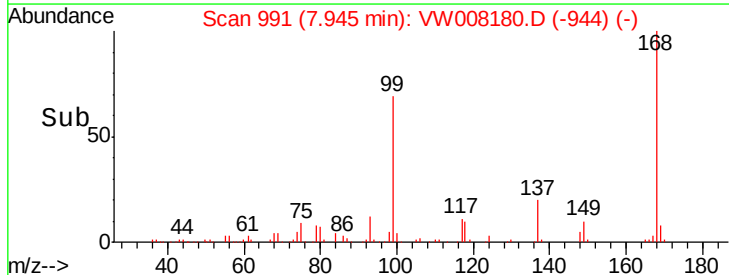
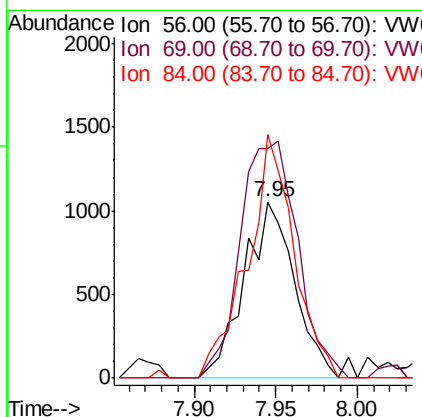
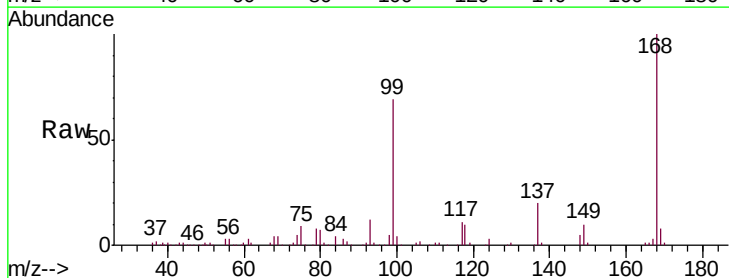
Instrument :
MSVOA_W
ClientSampled :
SOIL-DRUM-B

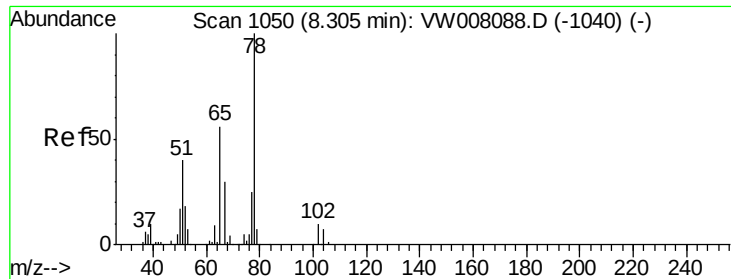
Tgt Ion: 83 Resp: 3004
Ion Ratio Lower Upper
83 100
85 77.7 53.2 79.8



#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008180.D
Acq: 11 Jan 2019 06:53

Tgt Ion: 56 Resp: 2256
Ion Ratio Lower Upper
56 100
69 130.3 26.2 39.4#
84 138.4 67.4 101.2#

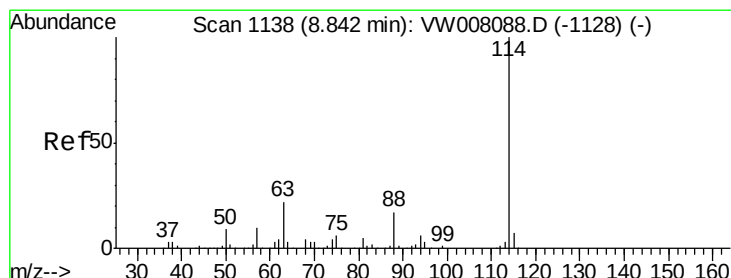
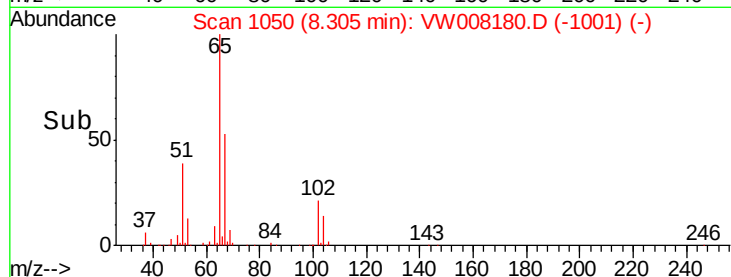
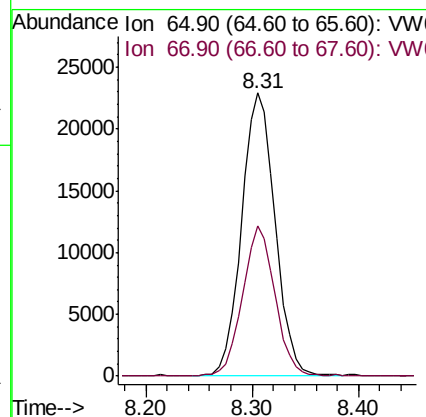
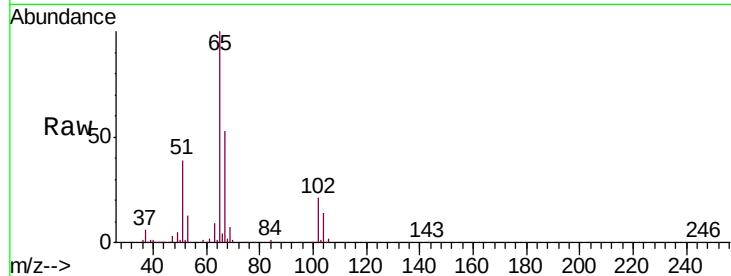




#33
 1,2-Dichloroethane-d4
 Concen: 59.015 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008180.D
 Acq: 11 Jan 2019 06:53

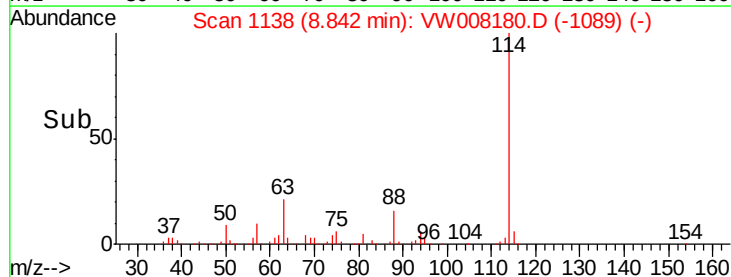
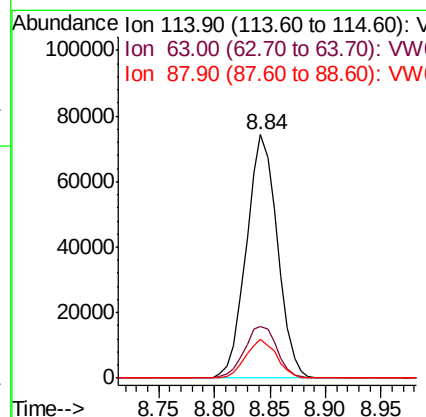
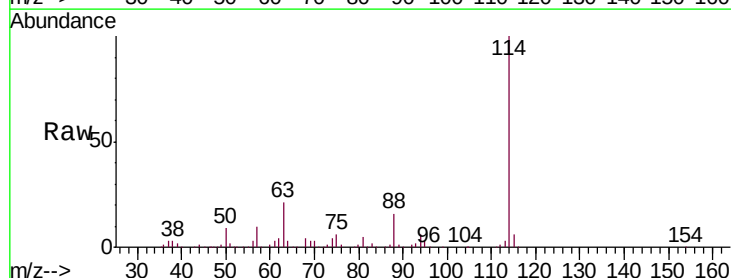
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-DRUM-B

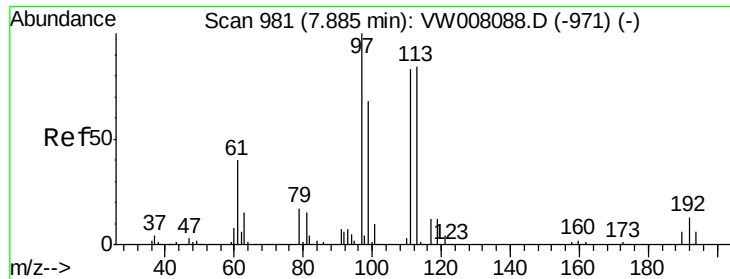
Tgt Ion: 65 Resp: 50548
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008180.D
 Acq: 11 Jan 2019 06:53

Tgt Ion: 114 Resp: 144072
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.4
 88 16.2 0.0 33.4

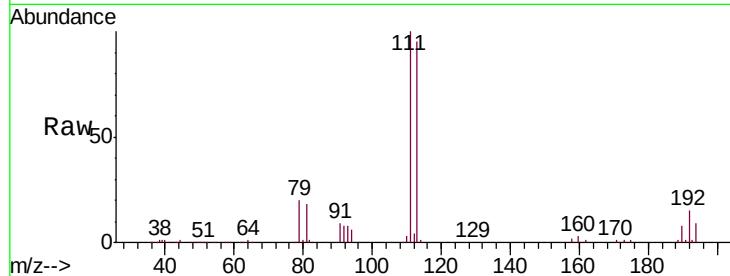




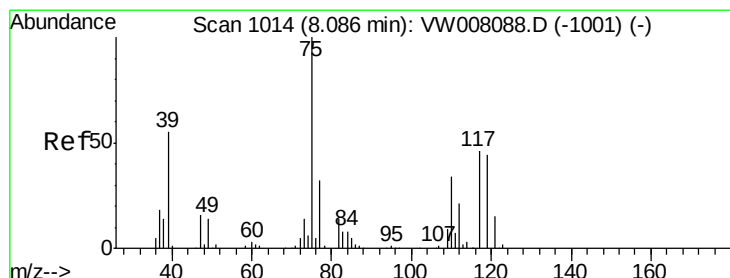
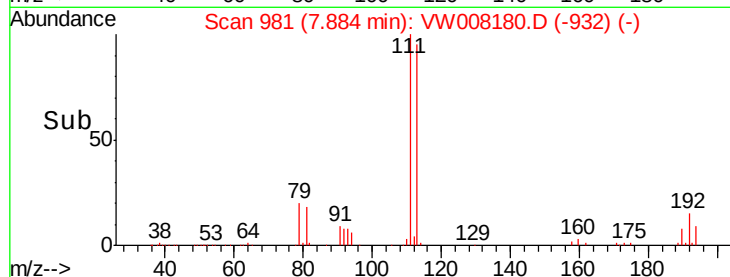
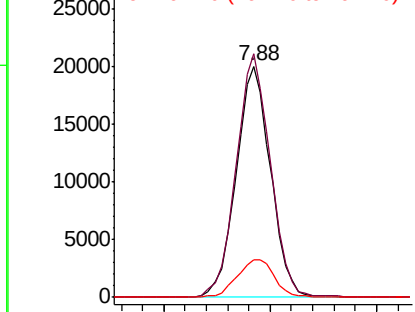
#35
 Dibromofluoromethane
 Concen: 54.029 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008180.D
 Acq: 11 Jan 2019 06:53

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-DRUM-B

Tgt Ion:113 Resp: 45400
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.8 122.8
 192 17.5 12.8 19.2

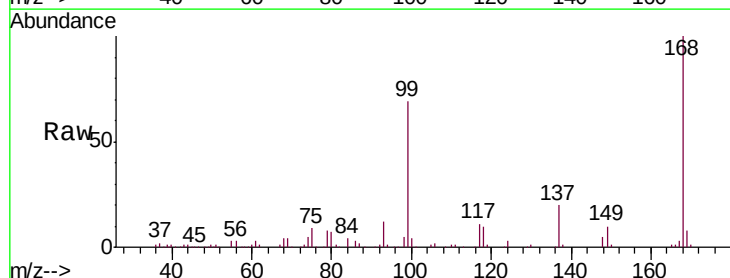


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

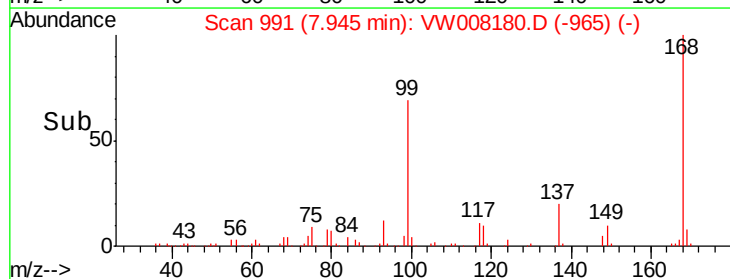
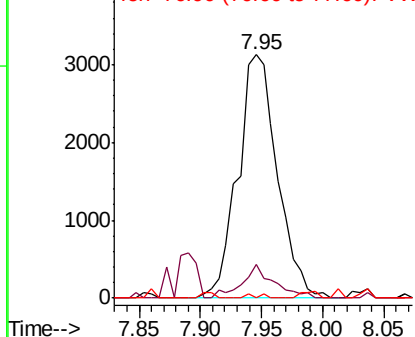


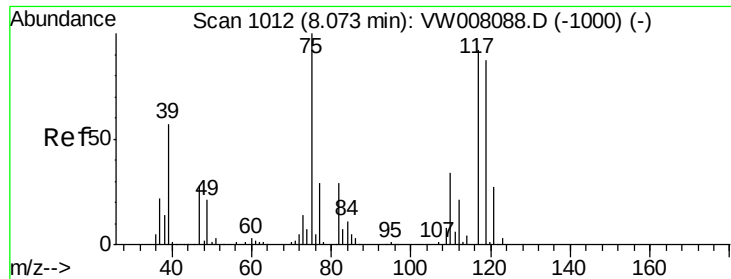
#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008180.D
 Acq: 11 Jan 2019 06:53

Tgt Ion: 75 Resp: 7010
 Ion Ratio Lower Upper
 75 100
 110 11.2 17.1 51.3#
 77 0.6 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

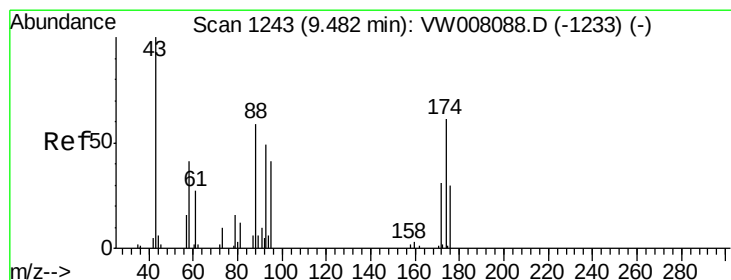
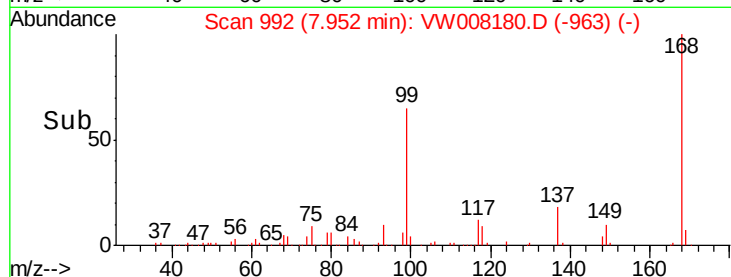
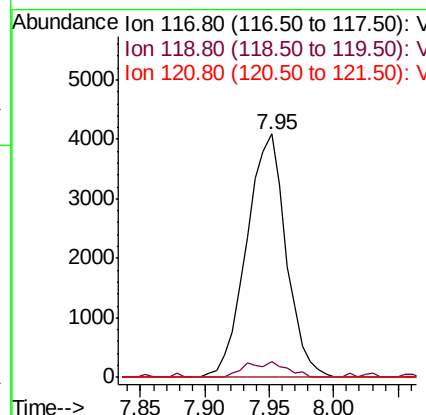
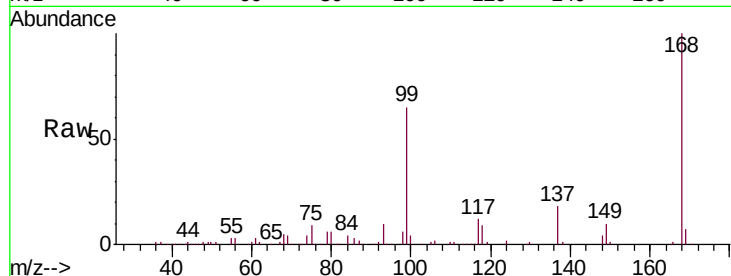




#38
Carbon Tetrachloride
Concen: 6.383 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008180.D
Acq: 11 Jan 2019 06:53

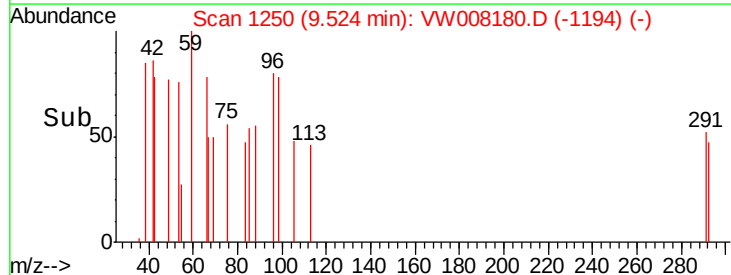
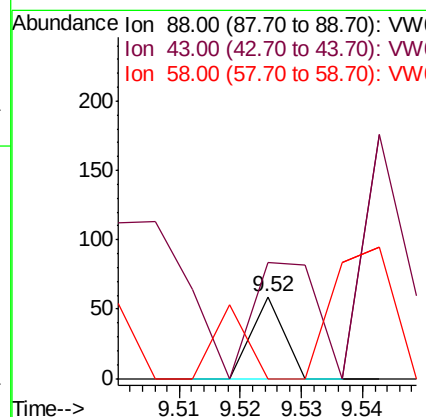
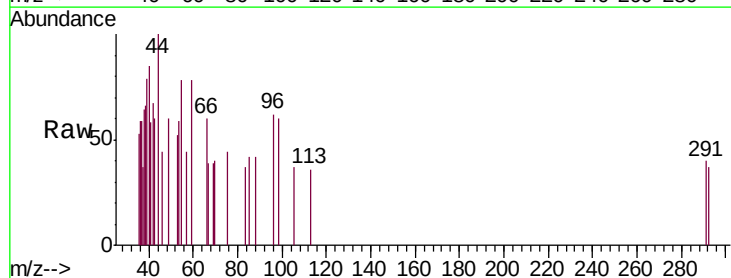
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DRUM-B

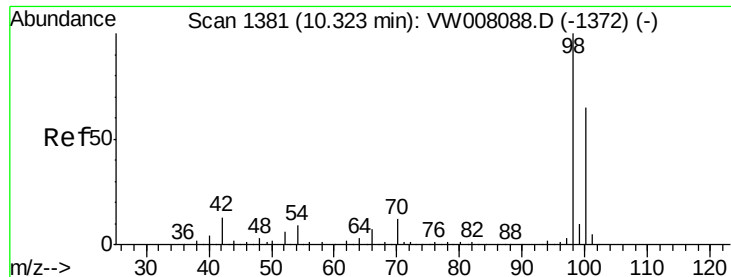
Tgt Ion: 117 Resp: 8670
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.8#
121 0.0 23.7 35.5#



#49
1,4-Dioxane
Concen: 2.791 ug/l
RT: 9.52 min Scan# 1250
Delta R.T. 0.04 min
Lab File: VW008180.D
Acq: 11 Jan 2019 06:53

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 277.3 0.0 0.0#
58 86.4 61.7 92.5





#50

Toluene-d8

Concen: 54.335 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008180.D

Acq: 11 Jan 2019 06:53

Instrument :

MSVOA_W

ClientSampleId :

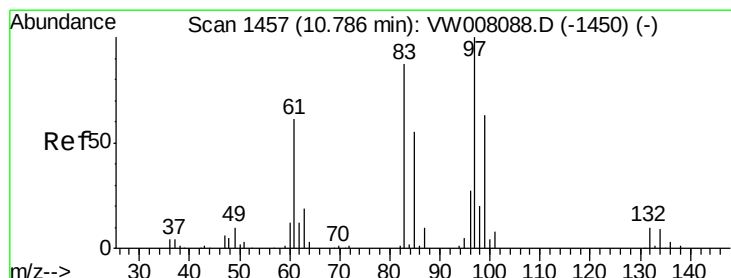
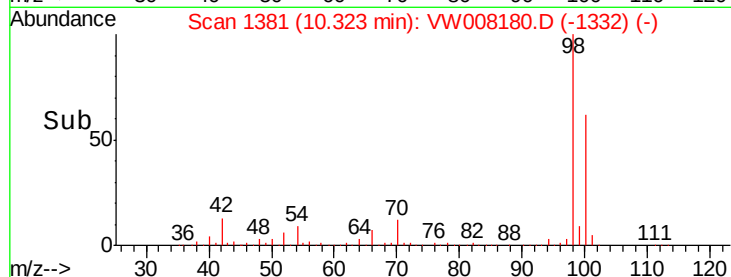
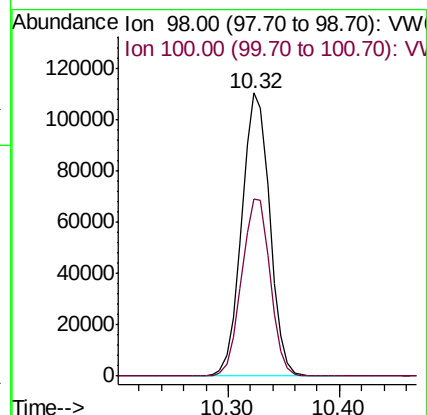
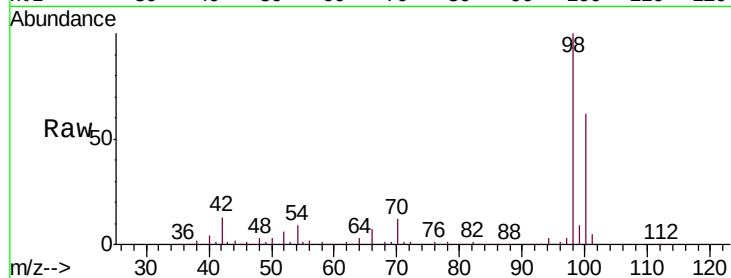
SOIL-DRUM-B

Tgt Ion: 98 Resp: 191593

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



#55

1,1,2-Trichloroethane

Concen: 1.768 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW008180.D

Acq: 11 Jan 2019 06:53

Tgt Ion: 97 Resp: 1217

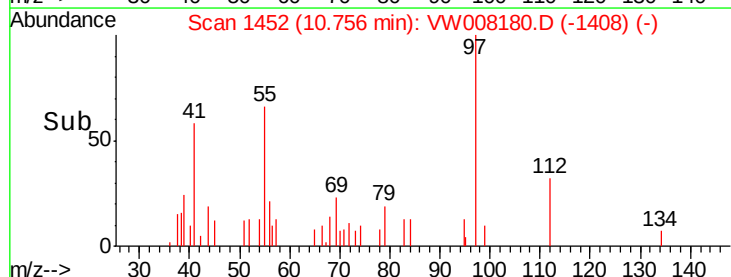
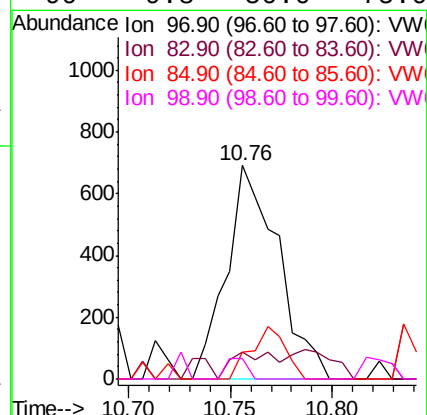
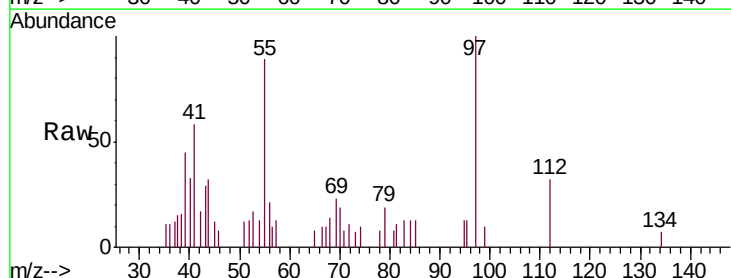
Ion Ratio Lower Upper

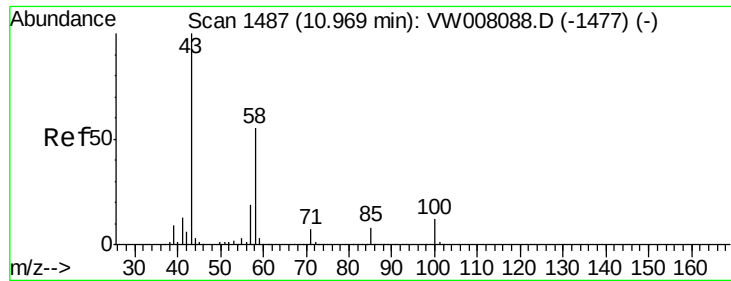
97 100

83 4.8 69.3 103.9#

85 12.7 43.8 65.6#

99 9.8 50.0 75.0#

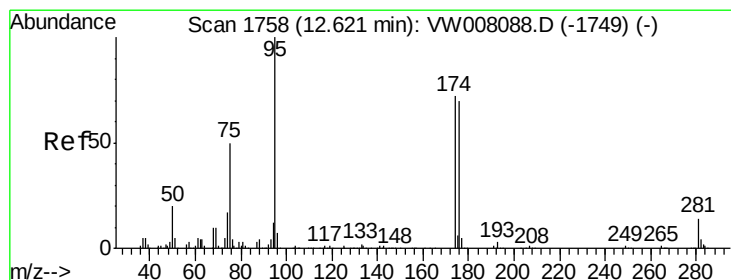
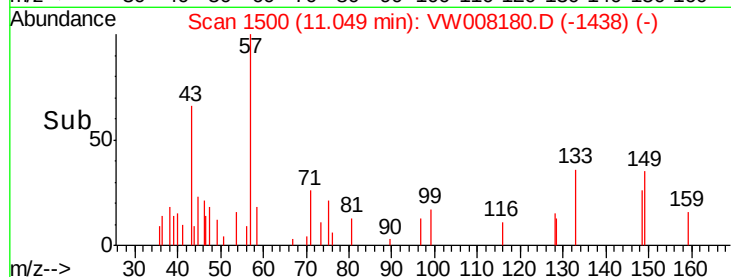
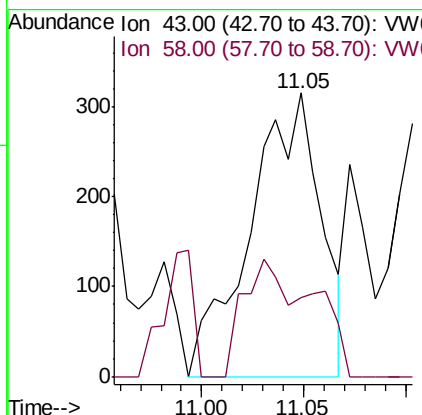
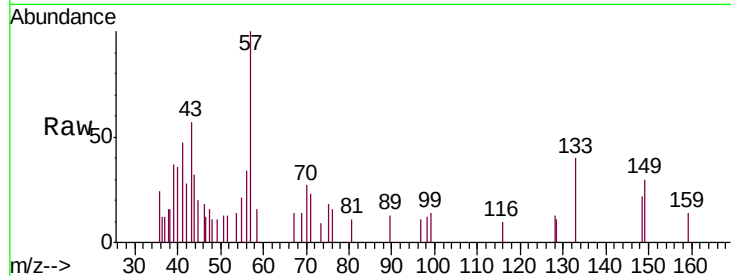




#59
2-Hexanone
Concen: 1.956 ug/l
RT: 11.05 min Scan# 1500
Delta R.T. 0.08 min
Lab File: VW008180.D
Acq: 11 Jan 2019 06:53

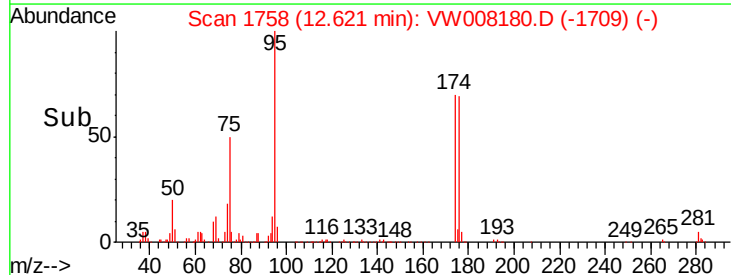
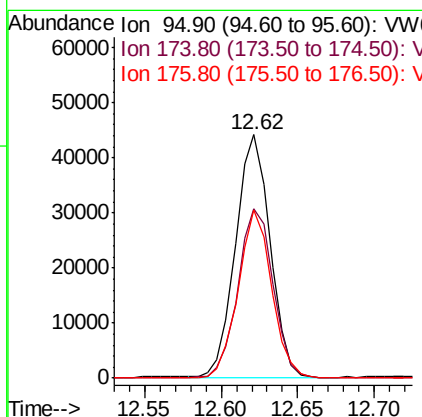
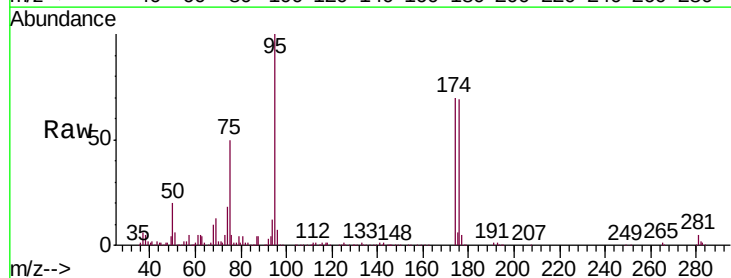
Instrument :
MSVOA_W
ClientSampled :
SOIL-DRUM-B

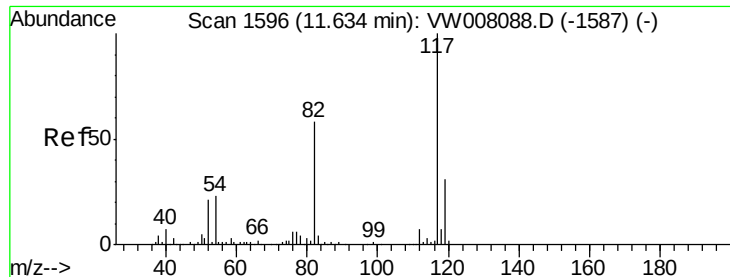
Tgt Ion: 43 Resp: 761
Ion Ratio Lower Upper
43 100
58 28.5 27.2 81.5



#62
4-Bromofluorobenzene
Concen: 54.457 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008180.D
Acq: 11 Jan 2019 06:53

Tgt Ion: 95 Resp: 68840
Ion Ratio Lower Upper
95 100
174 71.4 0.0 143.0
176 67.4 0.0 140.2

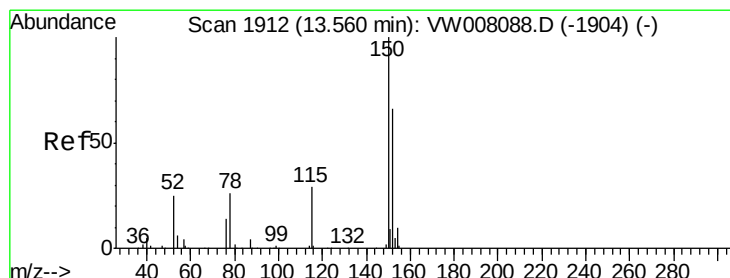
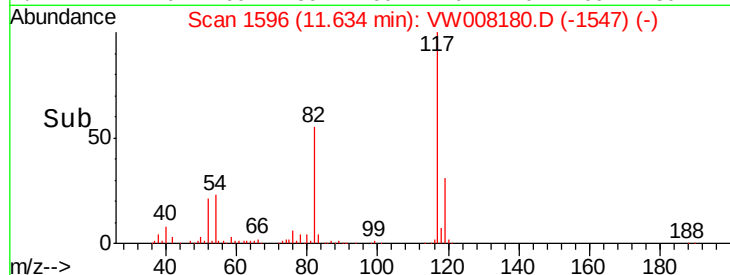
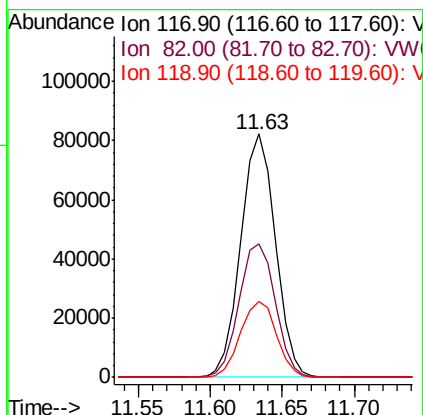
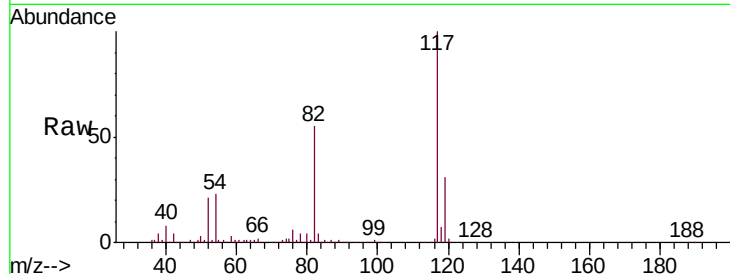




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008180.D
Acq: 11 Jan 2019 06:53

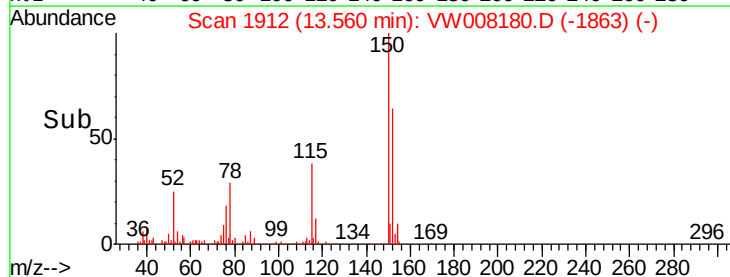
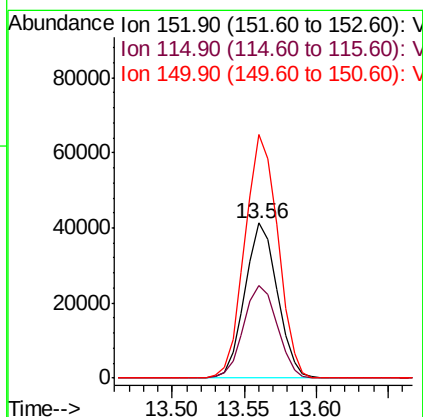
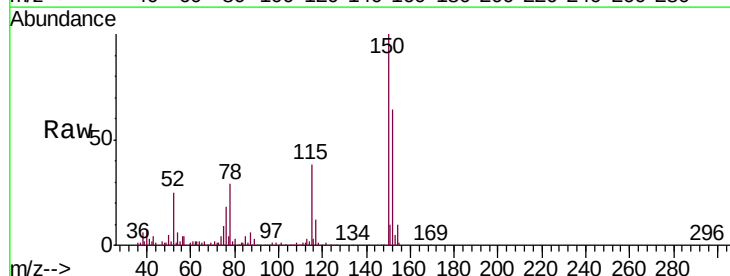
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DRUM-B

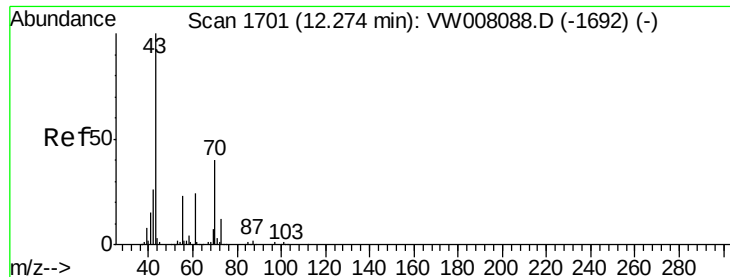
Tgt Ion:117 Resp: 137301
Ion Ratio Lower Upper
117 100
82 54.6 46.4 69.6
119 30.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008180.D
Acq: 11 Jan 2019 06:53

Tgt Ion:152 Resp: 64464
Ion Ratio Lower Upper
152 100
115 62.3 30.8 92.4
150 160.1 0.0 350.2





#74

N-amyI acetate

Concen: 2.608 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW008180.D

Acq: 11 Jan 2019 06:53

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DRUM-B

Tgt Ion: 43 Resp: 2923

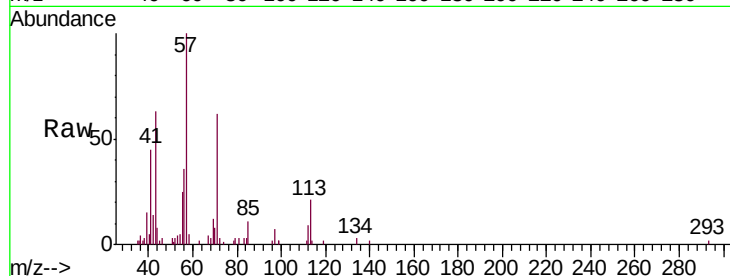
Ion Ratio Lower Upper

43 100

70 25.2 32.4 48.6#

55 26.3 18.7 28.1

61 0.8 19.0 28.6#

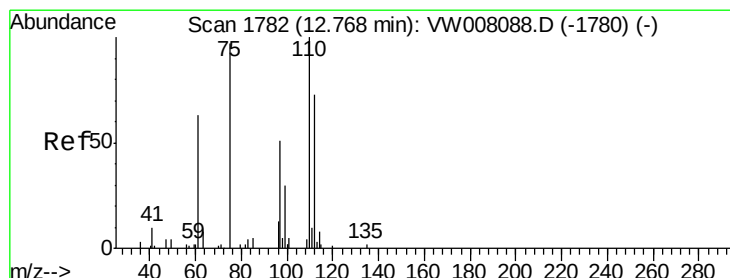
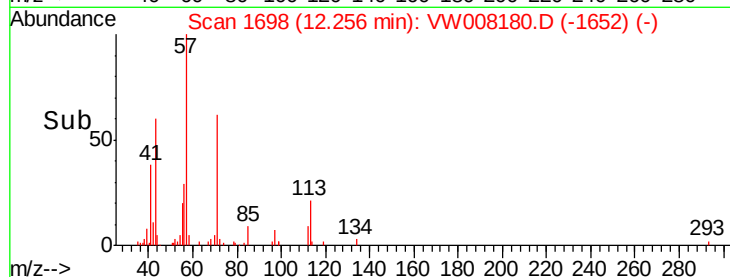
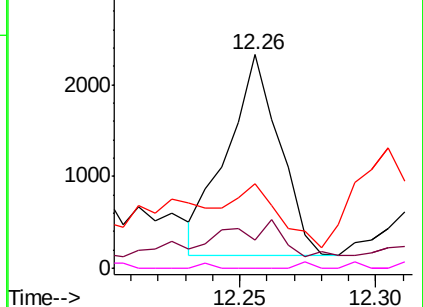


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 59.029 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008180.D

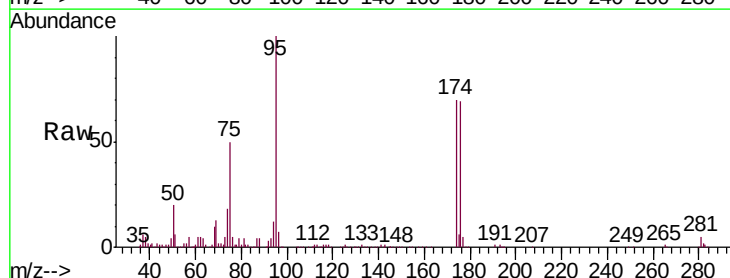
Acq: 11 Jan 2019 06:53

Tgt Ion: 75 Resp: 34689

Ion Ratio Lower Upper

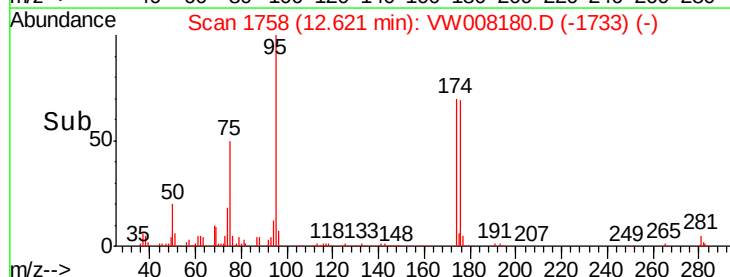
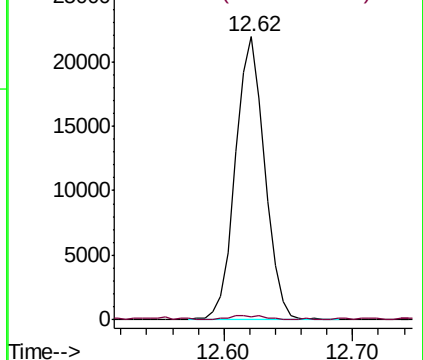
75 100

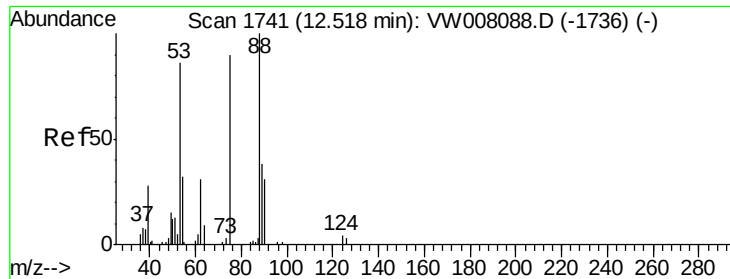
77 1.4 179.4 538.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

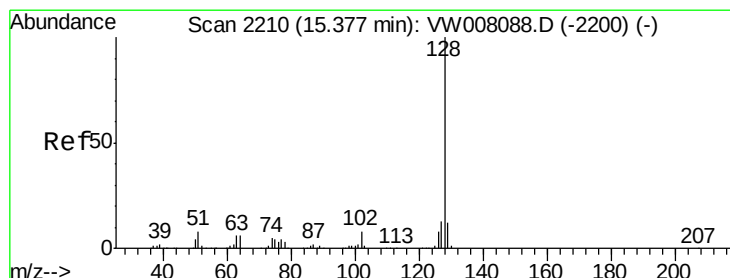
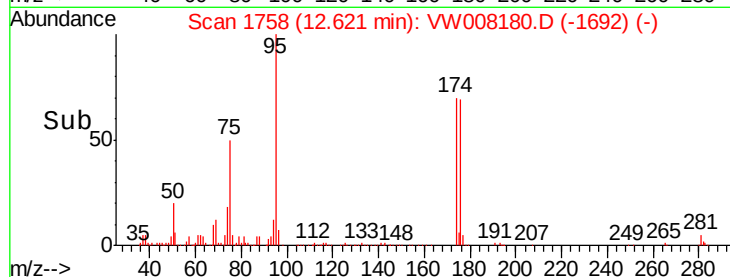
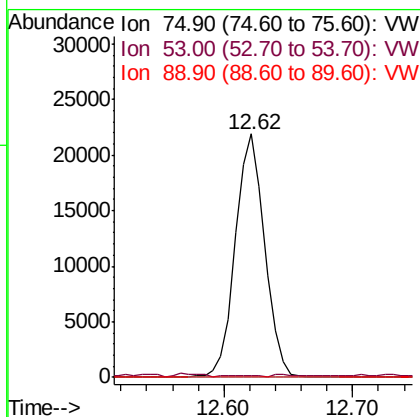
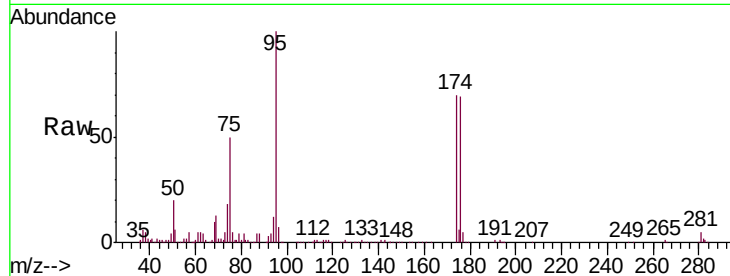




#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.461 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008180.D
 Acq: 11 Jan 2019 06:53

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-DRUM-B

Tgt Ion: 75 Resp: 34689
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.8 118.2#
 89 0.1 35.4 53.2#



#95
 Naphthalene
 Concen: 1.011 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW008180.D
 Acq: 11 Jan 2019 06:53

Tgt Ion: 128 Resp: 2390
 Ion Ratio Lower Upper
 128 100
 127 10.1 11.0 16.4#
 129 17.6 9.0 13.6#

