

Data File : VW008181.D
Acq On : 11 Jan 2019 07:20
Operator : SY/AP
Sample : K1100-07RE
Misc : 5.09G/5ML/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-DRUM-D

Quant Time: Jan 11 07:47:41 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	75316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	138891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	48057	56.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.54%	
35) Dibromofluoromethane	7.88	113	44474	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
50) Toluene-d8	10.32	98	182001	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.62	95	62845	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

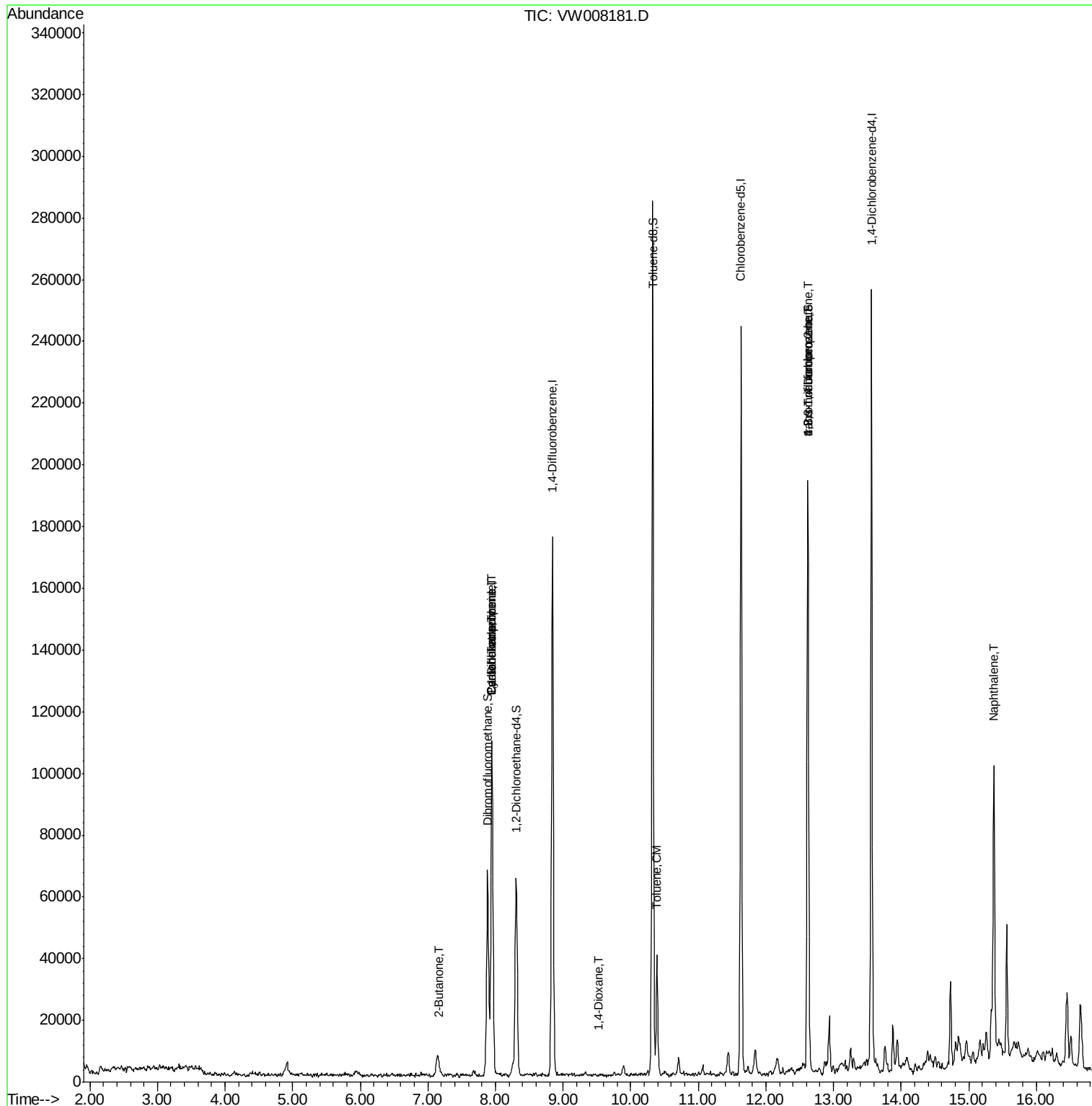
						Qvalue
11) Tert butyl alcohol	5.24	59	158	Below Cal	#	100
16) Acetone	4.13	43	1379	Below Cal	#	84
20) Methylene Chloride	4.92	84	2852	Below Cal		96
25) 2-Butanone	7.17	43	321	1.363	ug/l #	69
31) Cyclohexane	7.95	56	2226	1.250	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	6722	4.698	ug/l #	51
38) Carbon Tetrachloride	7.95	117	8557	6.535	ug/l #	18
49) 1,4-Dioxane	9.52	88	21	2.763	ug/l #	1
52) Toluene	10.39	92	16075	6.486	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	31532	57.187	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	31532	133.171	ug/l #	11
95) Naphthalene	15.37	128	79915	36.038	ug/l	98

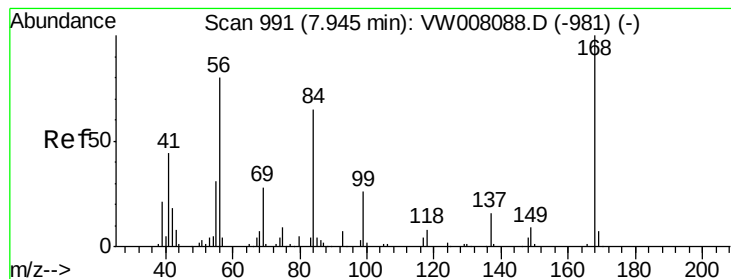
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008181.D

Acq: 11 Jan 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

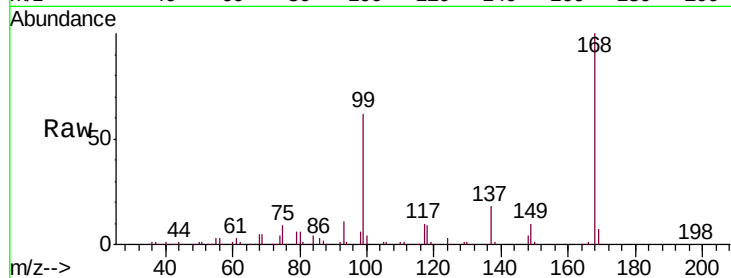
SOIL-DRUM-D

Tgt Ion:168 Resp: 75316

Ion Ratio Lower Upper

168 100

99 61.7 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

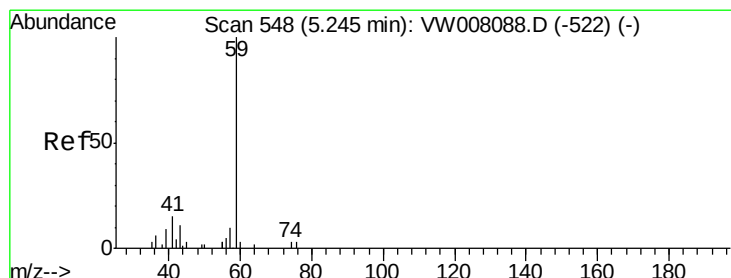
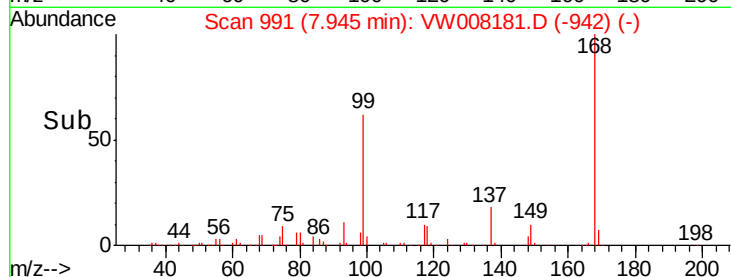
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 548

Delta R.T. 0.00 min

Lab File: VW008181.D

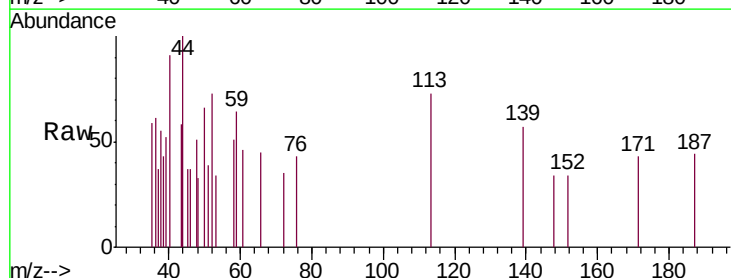
Acq: 11 Jan 2019 07:20

Tgt Ion: 59 Resp: 158

Ion Ratio Lower Upper

59 100

57 36.1 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

200

150

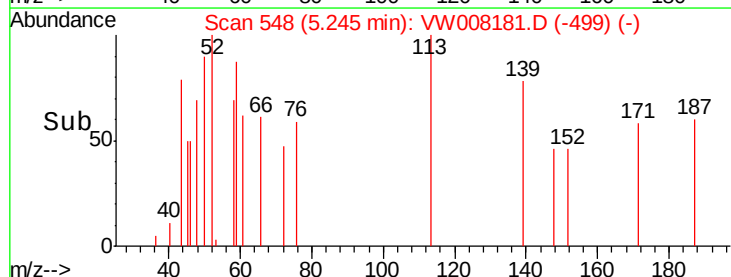
100

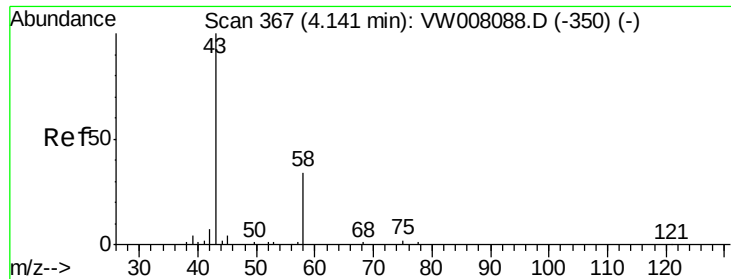
50

0

5.22 5.24 5.26 5.28

Time-->





#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008181.D

Acq: 11 Jan 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

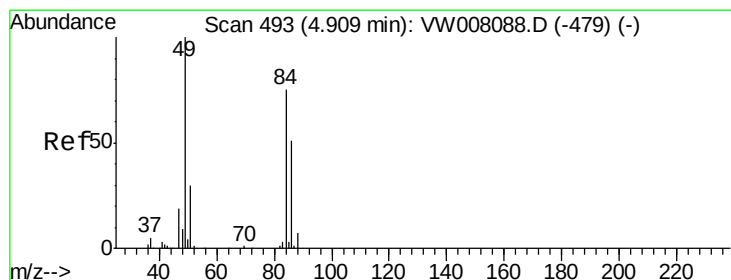
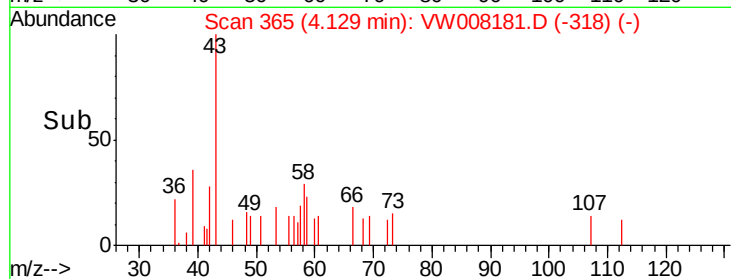
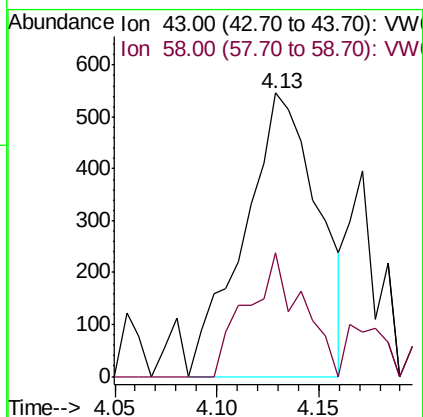
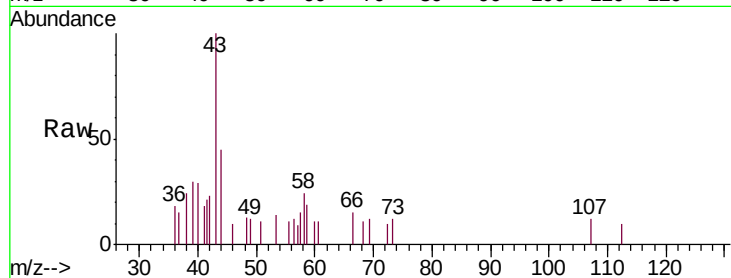
SOIL-DRUM-D

Tgt Ion: 43 Resp: 1379

Ion Ratio Lower Upper

43 100

58 43.6 27.5 41.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW008181.D

Acq: 11 Jan 2019 07:20

Tgt Ion: 84 Resp: 2852

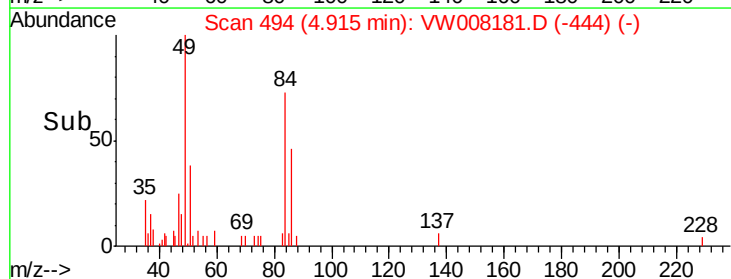
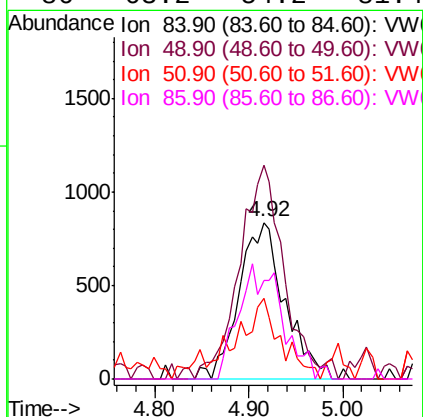
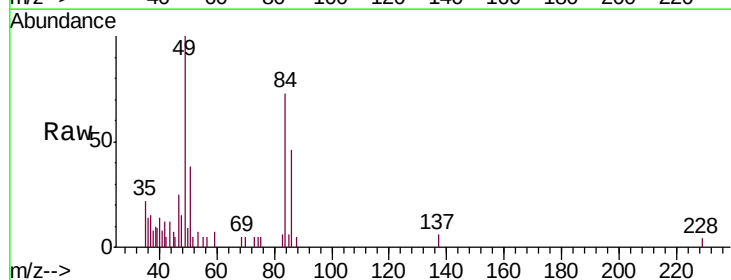
Ion Ratio Lower Upper

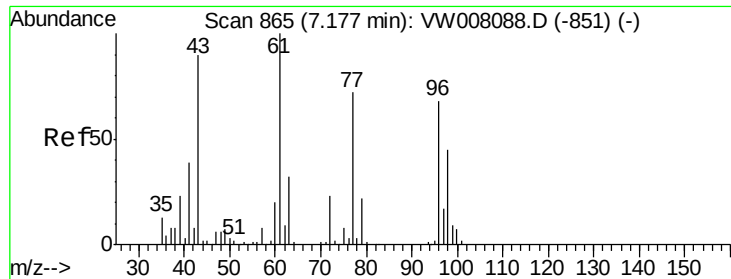
84 100

49 136.3 107.1 160.7

51 44.7 32.4 48.6

86 63.2 54.2 81.4





#25

2-Butanone

Concen: 1.363 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008181.D

Acq: 11 Jan 2019 07:20

Instrument :

MSVOA_W

ClientSampled :

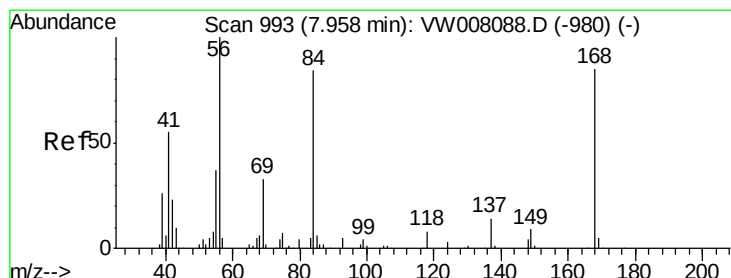
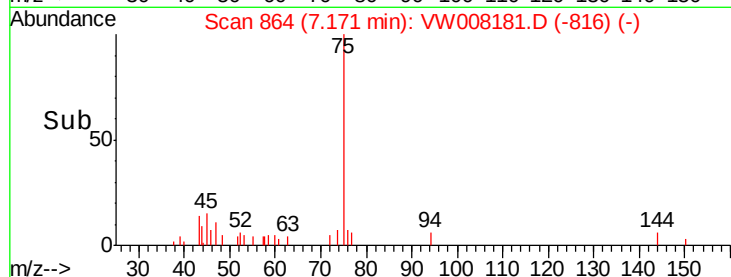
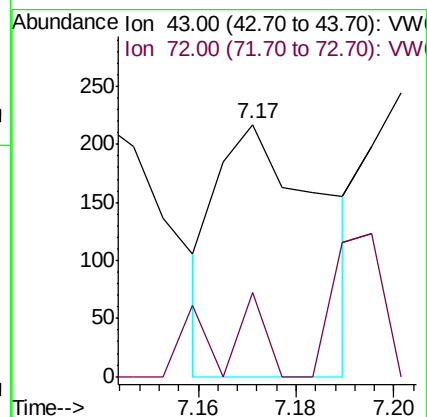
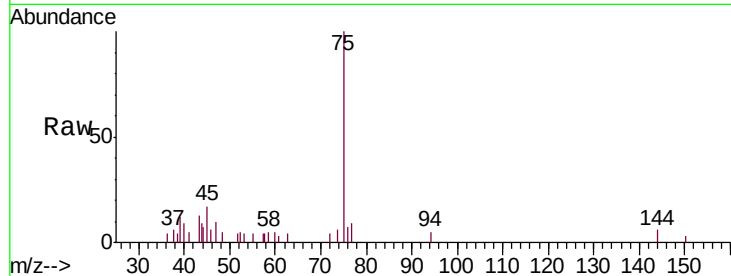
SOIL-DRUM-D

Tgt Ion: 43 Resp: 321

Ion Ratio Lower Upper

43 100

72 9.8 20.5 30.7#



#31

Cyclohexane

Concen: 1.250 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008181.D

Acq: 11 Jan 2019 07:20

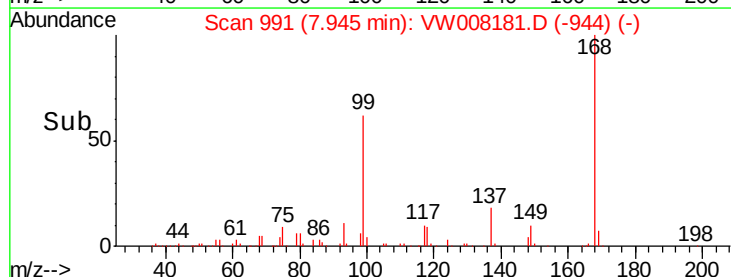
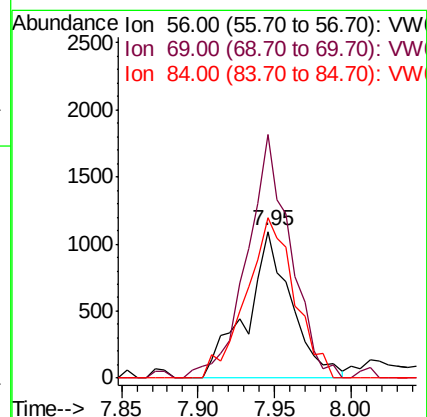
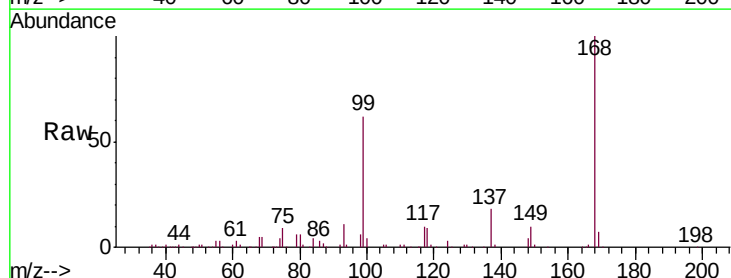
Tgt Ion: 56 Resp: 2226

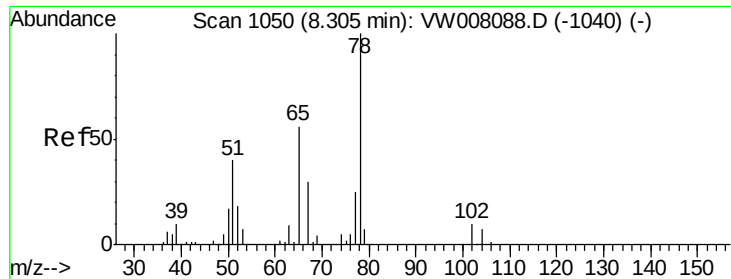
Ion Ratio Lower Upper

56 100

69 165.9 26.2 39.4#

84 109.5 67.4 101.2#

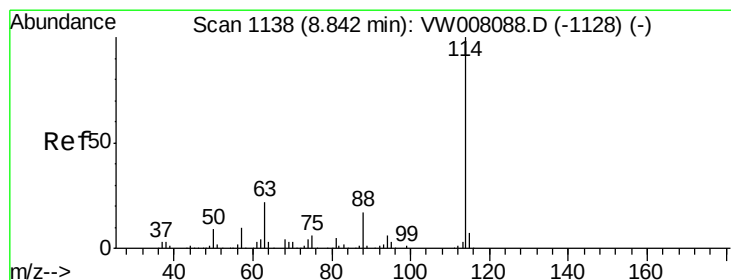
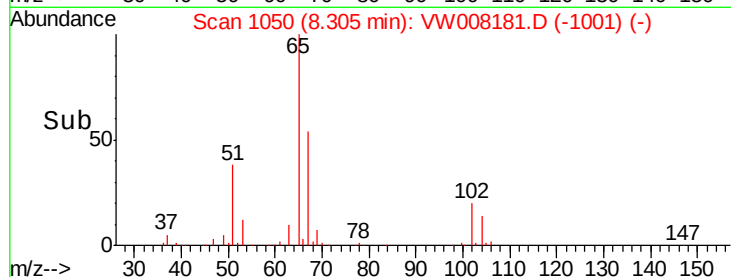
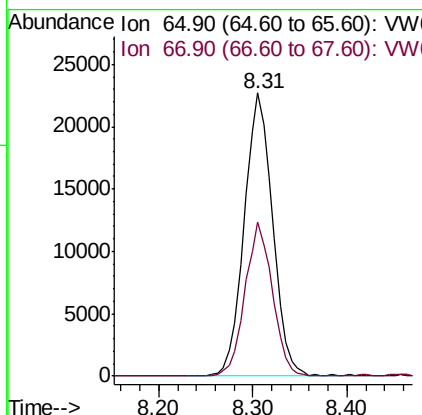
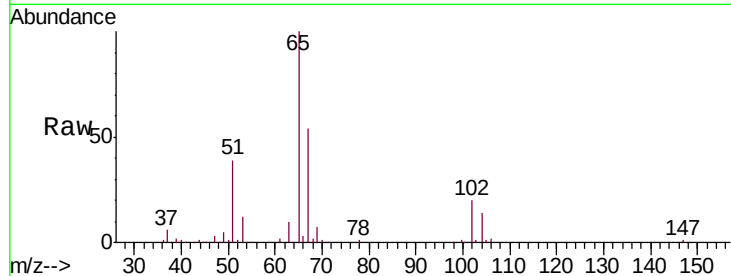




#33
 1,2-Dichloroethane-d4
 Concen: 56.772 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008181.D
 Acq: 11 Jan 2019 07:20

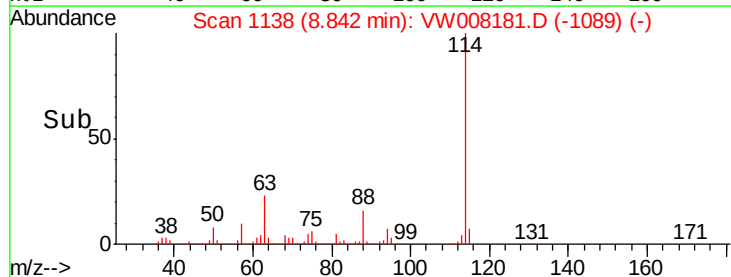
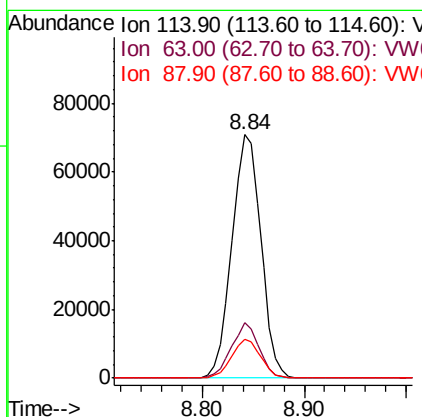
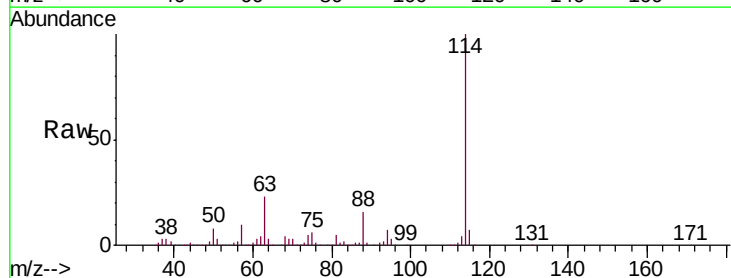
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-DRUM-D

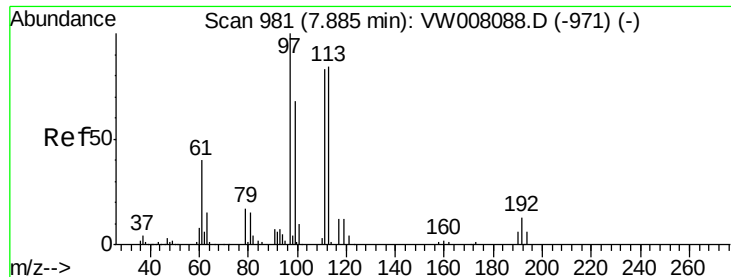
Tgt Ion: 65 Resp: 48057
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008181.D
 Acq: 11 Jan 2019 07:20

Tgt Ion: 114 Resp: 138891
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.4
 88 15.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.902 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008181.D

Acq: 11 Jan 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DRUM-D

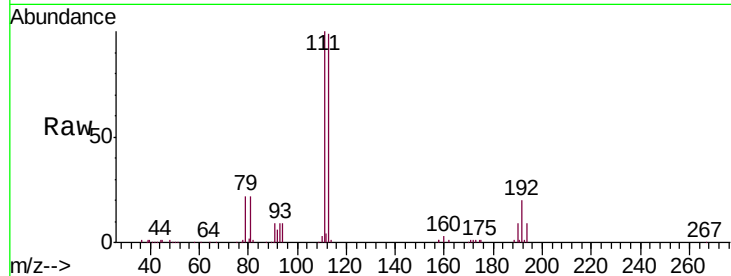
Tgt Ion:113 Resp: 44474

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

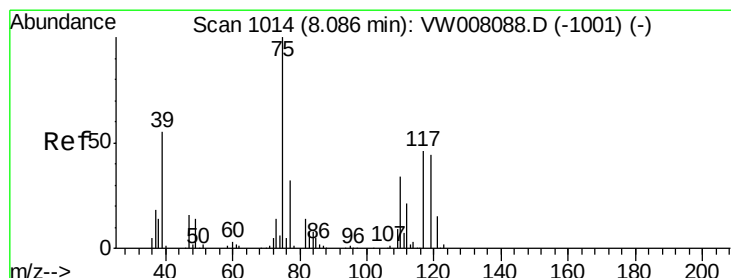
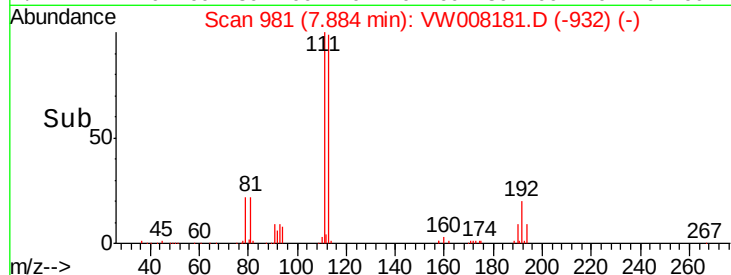
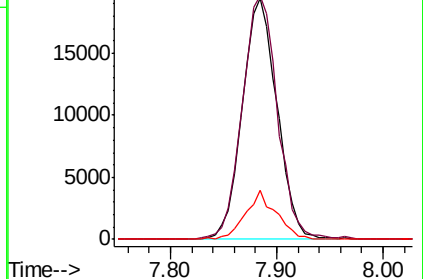
192 17.9 12.8 19.2



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: 4.698 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008181.D

Acq: 11 Jan 2019 07:20

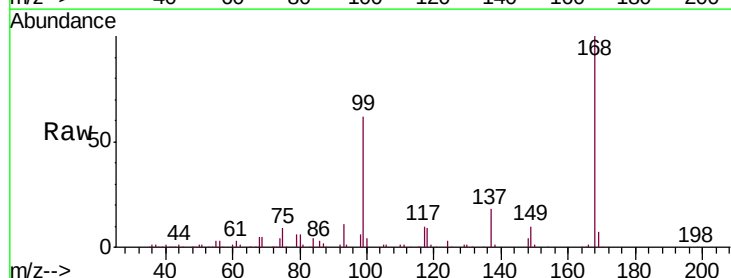
Tgt Ion: 75 Resp: 6722

Ion Ratio Lower Upper

75 100

110 10.7 17.1 51.3#

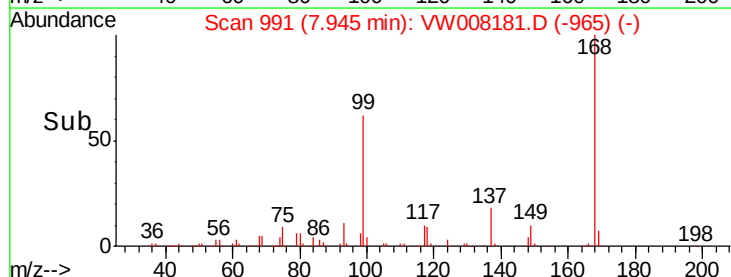
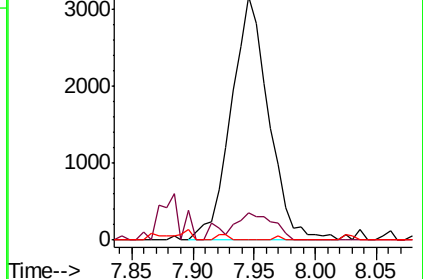
77 0.0 25.5 38.3#

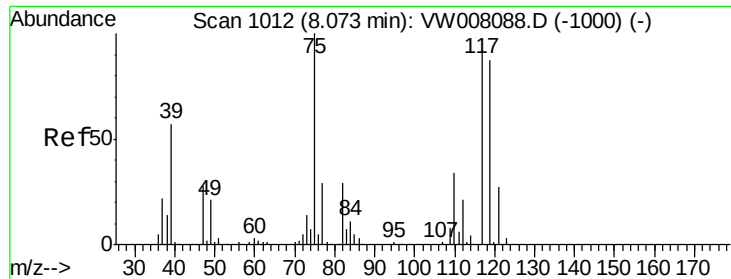


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.535 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008181.D

Acq: 11 Jan 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DRUM-D

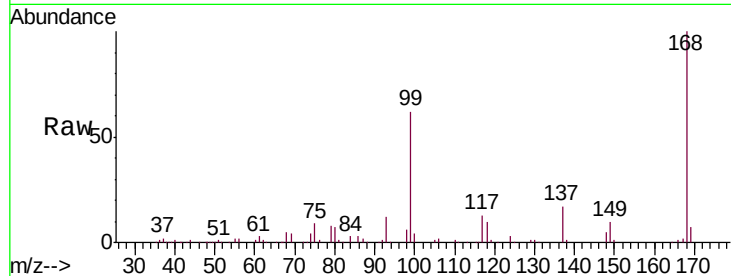
Tgt Ion: 117 Resp: 8557

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.8#

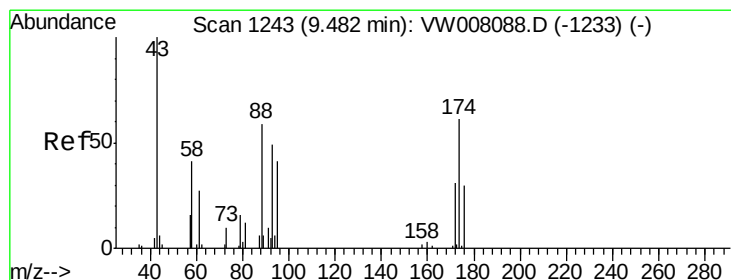
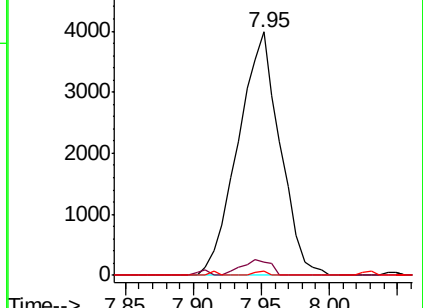
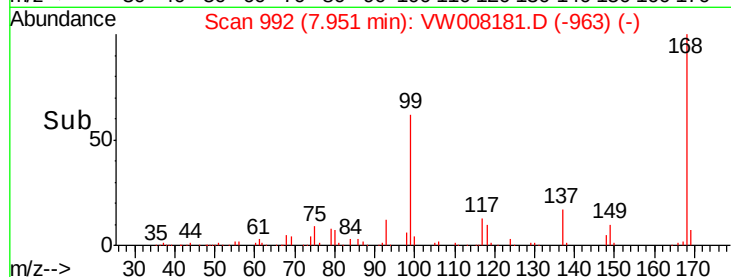
121 2.0 23.7 35.5#



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: 2.763 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. 0.04 min

Lab File: VW008181.D

Acq: 11 Jan 2019 07:20

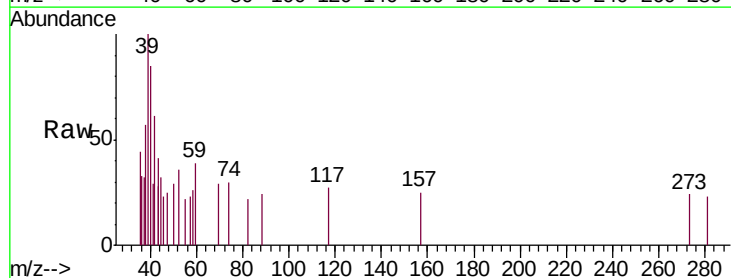
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 790.5 0.0 0.0#

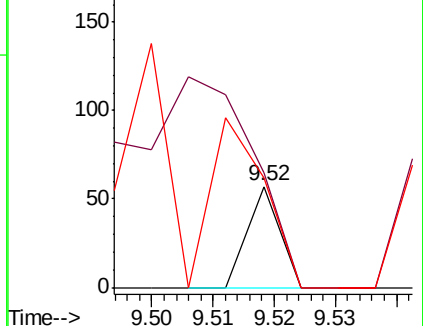
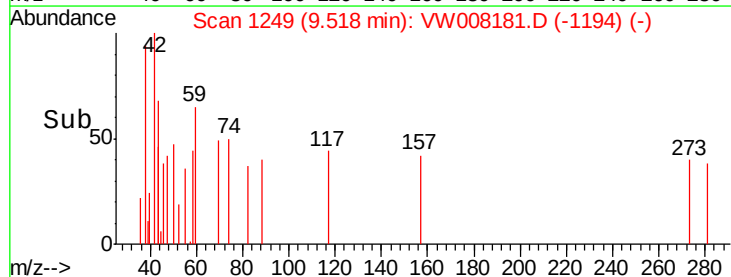
58 338.1 61.7 92.5#

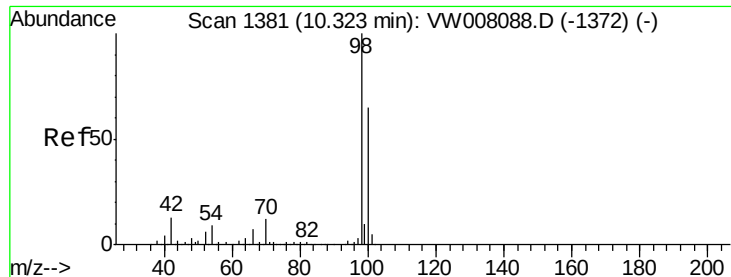


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

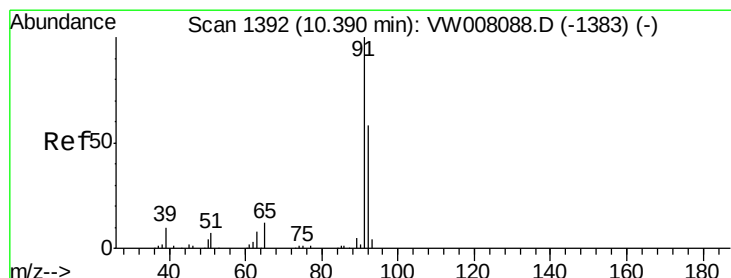
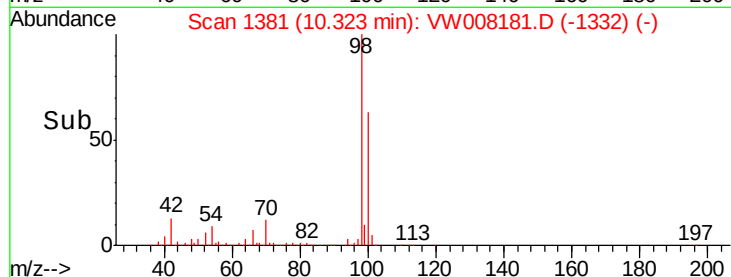
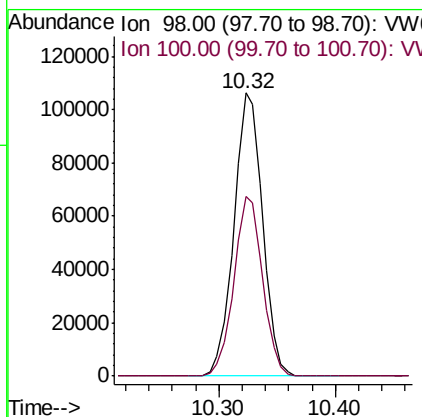
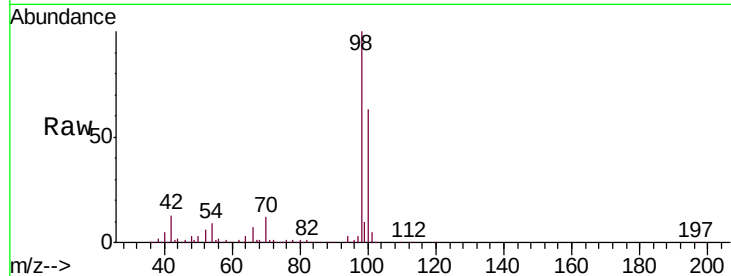




#50
Toluene-d8
Concen: 53.540 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008181.D
Acq: 11 Jan 2019 07:20

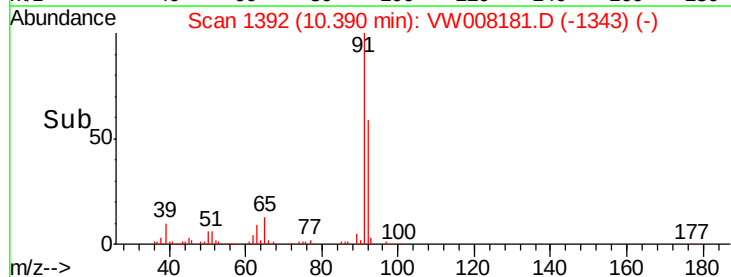
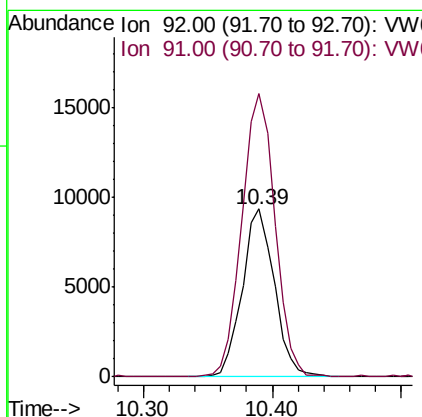
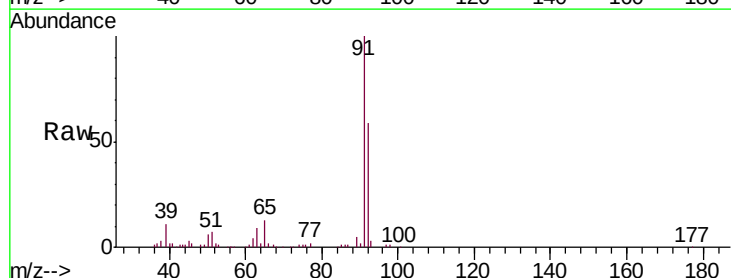
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DRUM-D

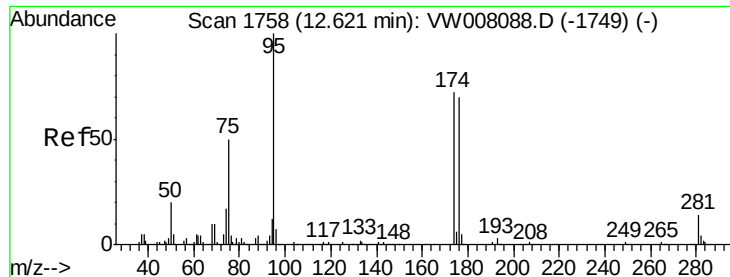
Tgt Ion: 98 Resp: 182001
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#52
Toluene
Concen: 6.486 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008181.D
Acq: 11 Jan 2019 07:20

Tgt Ion: 92 Resp: 16075
Ion Ratio Lower Upper
92 100
91 174.4 137.0 205.4

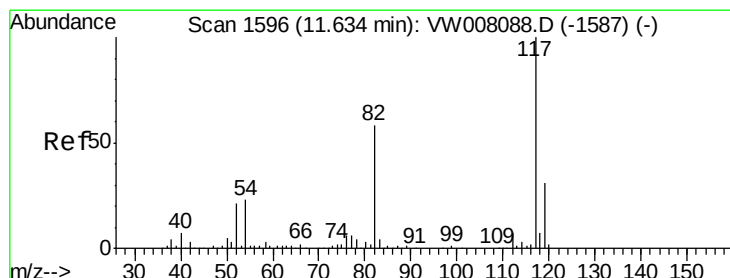
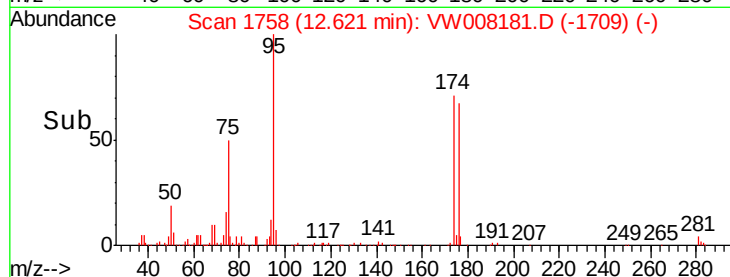
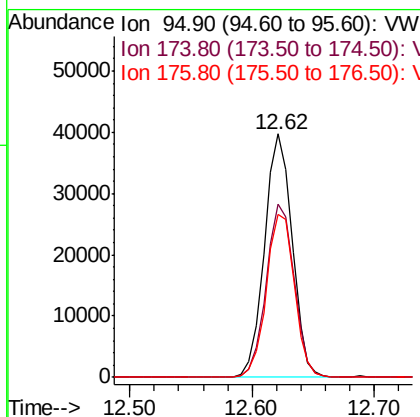
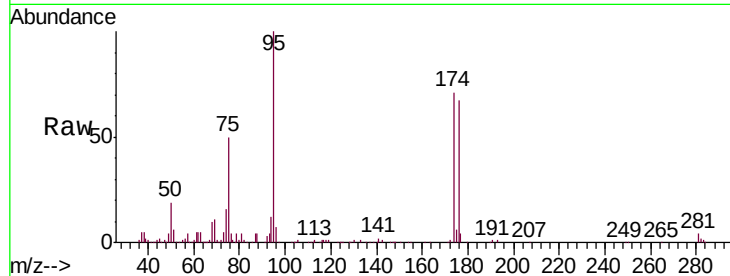




#62
4-Bromofluorobenzene
Concen: 51.569 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008181.D
Acq: 11 Jan 2019 07:20

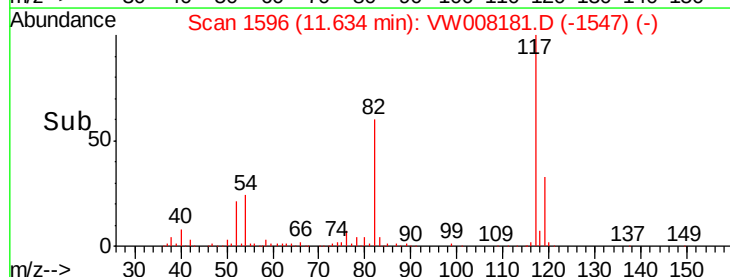
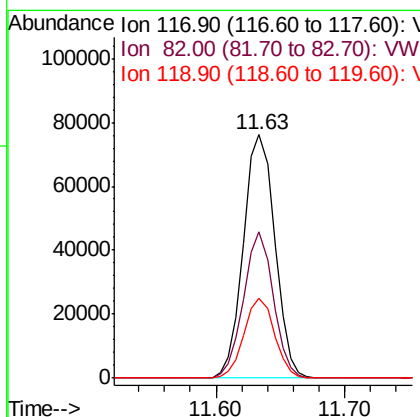
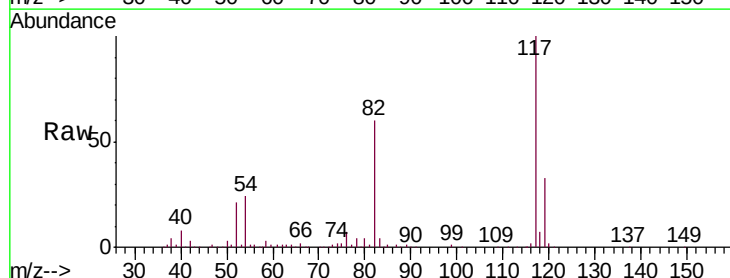
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DRUM-D

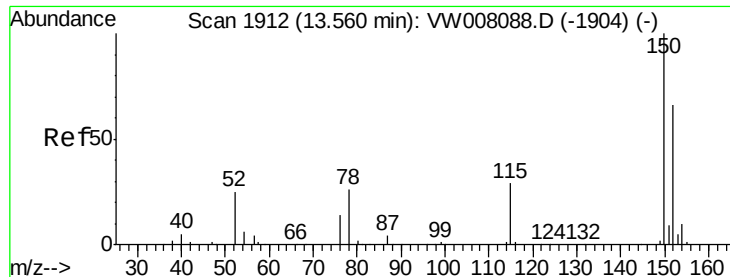
Tgt Ion: 95 Resp: 62845
Ion Ratio Lower Upper
95 100
174 71.7 0.0 143.0
176 67.6 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008181.D
Acq: 11 Jan 2019 07:20

Tgt Ion: 117 Resp: 128413
Ion Ratio Lower Upper
117 100
82 59.9 46.4 69.6
119 32.5 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: VW008181.D

Acq: 11 Jan 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DRUM-D

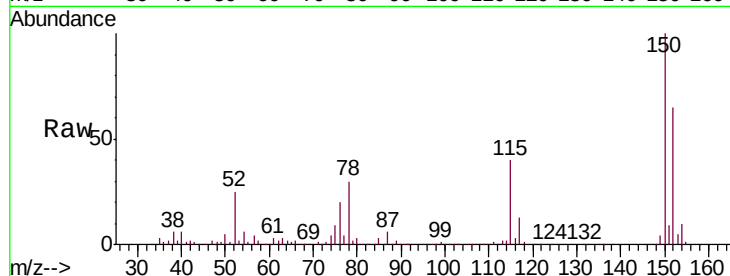
Tgt Ion:152 Resp: 60485

Ion Ratio Lower Upper

152 100

115 60.7 30.8 92.4

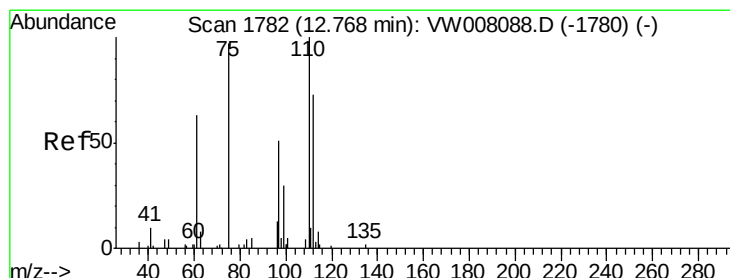
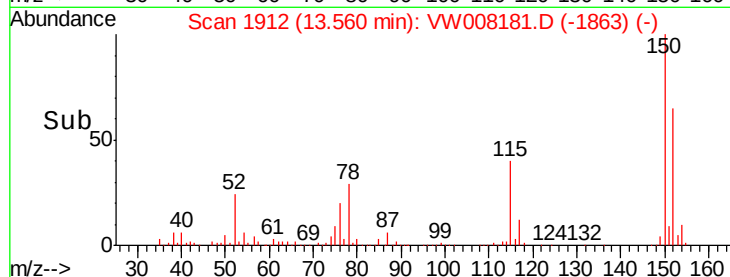
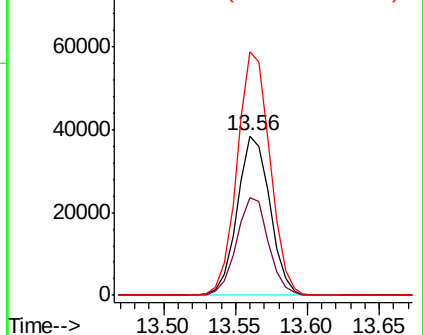
150 153.9 0.0 350.2



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: 57.187 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008181.D

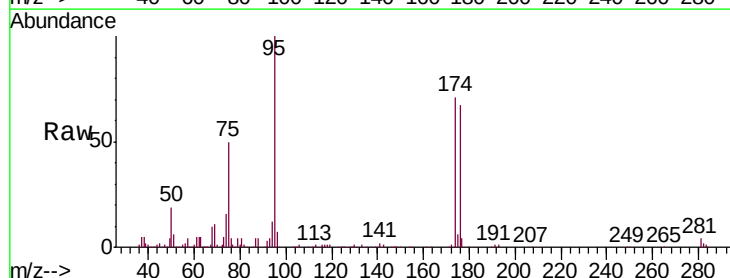
Acq: 11 Jan 2019 07:20

Tgt Ion: 75 Resp: 31532

Ion Ratio Lower Upper

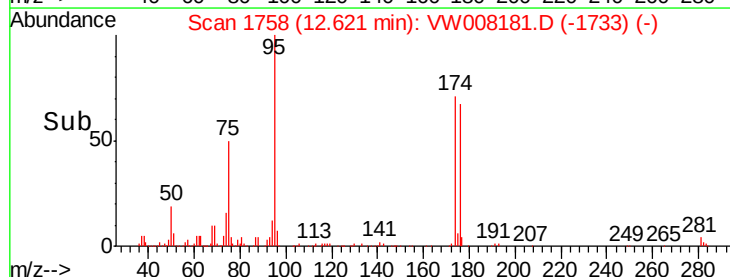
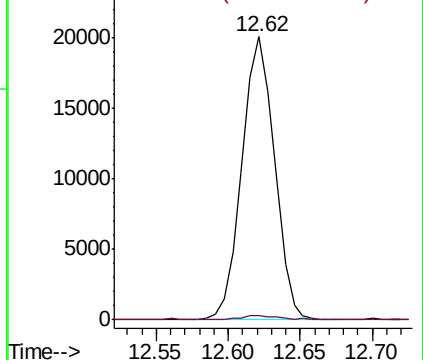
75 100

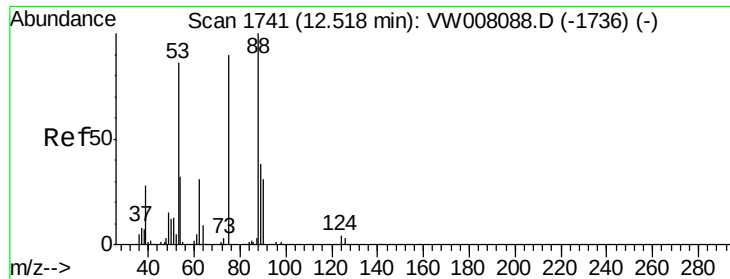
77 1.7 179.4 538.2#



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: 133.171 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008181.D

Acq: 11 Jan 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DRUM-D

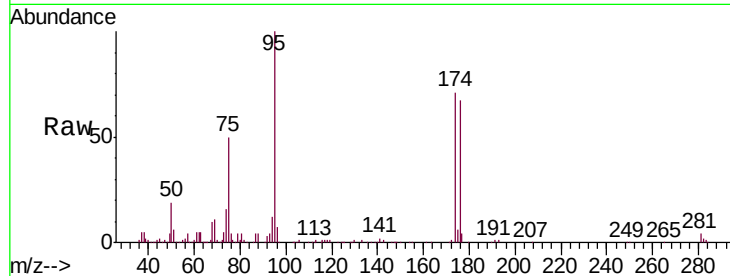
Tgt Ion: 75 Resp: 31532

Ion Ratio Lower Upper

75 100

53 0.5 78.8 118.2#

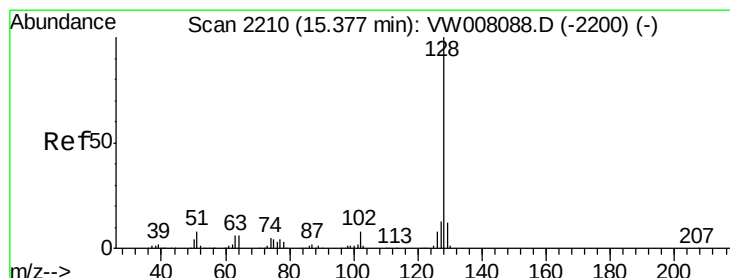
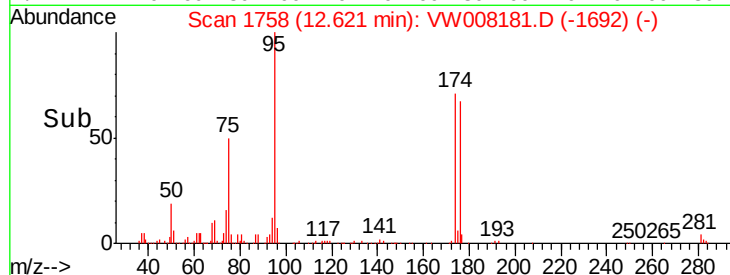
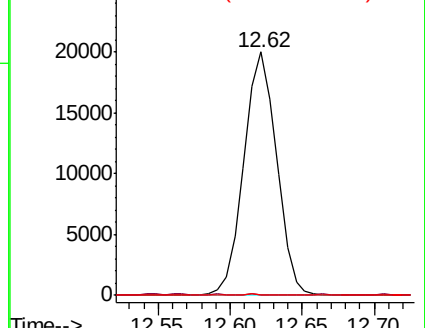
89 0.2 35.4 53.2#



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



#95

Naphthalene

Concen: 36.038 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008181.D

Acq: 11 Jan 2019 07:20

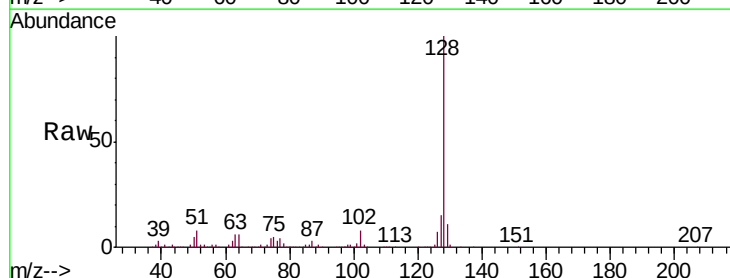
Tgt Ion: 128 Resp: 79915

Ion Ratio Lower Upper

128 100

127 14.4 11.0 16.4

129 10.5 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

