

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092019\
 Data File : VW013216.D
 Acq On : 21 Sep 2019 06:31
 Operator : SY/VA
 Sample : K4955-01
 Misc : 4.41G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ROLL-OFF-SOIL

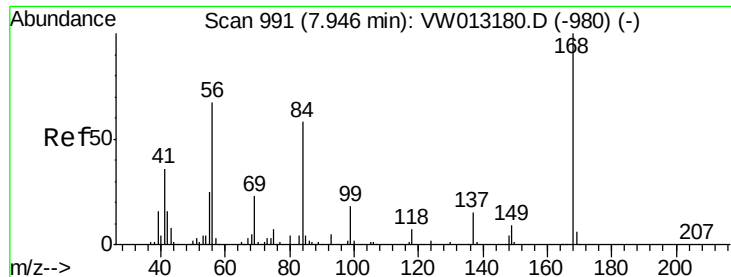
Quant Time: Sep 23 01:03:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	393779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	588554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	482600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	204559	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.30	65	159938	49.77	ug/l	0.00
Spiked Amount	50.000			Recovery	=	99.54%	
35) Dibromofluoromethane		7.88	113	158523	48.97	ug/l	0.00
Spiked Amount	50.000			Recovery	=	97.94%	
50) Toluene-d8		10.32	98	674165	49.76	ug/l	0.00
Spiked Amount	50.000			Recovery	=	99.52%	
62) 4-Bromofluorobenzene		12.62	95	204145	44.11	ug/l	0.00
Spiked Amount	50.000			Recovery	=	88.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	3324	4.438	ug/l #	73
16) Acetone	4.13	43	1403	1.936	ug/l	100
26) 2,2-Dichloropropane	7.14	77	369	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	26265	4.607	ug/l #	49
38) Carbon Tetrachloride	7.94	117	32953	6.449	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	2728	1.172	ug/l #	1
60) Dibromochloromethane	10.85	129	7428	2.322	ug/l #	11
64) Tetrachloroethene	10.86	164	8575	2.342	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	97250	53.833	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	97250	120.796	ug/l #	12
95) Naphthalene	15.36	128	54809	7.844	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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MSVOA_W

ClientSampleId :

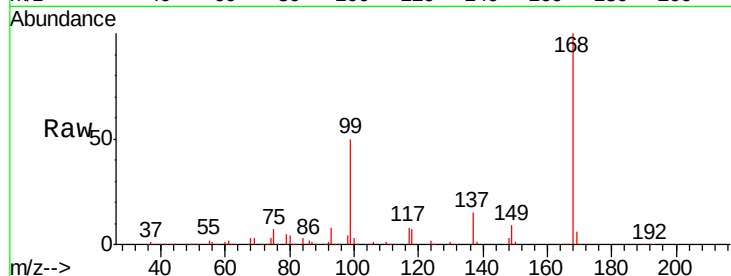
ROLL-OFF-SOIL

Tgt Ion:168 Resp: 393779

Ion Ratio Lower Upper

168 100

99 49.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

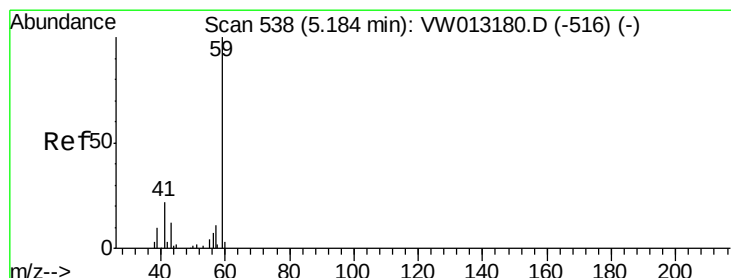
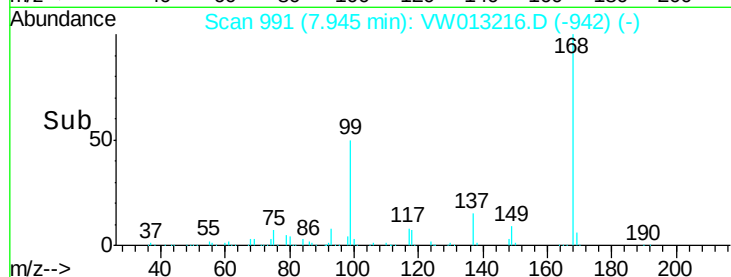
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 4.438 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013216.D

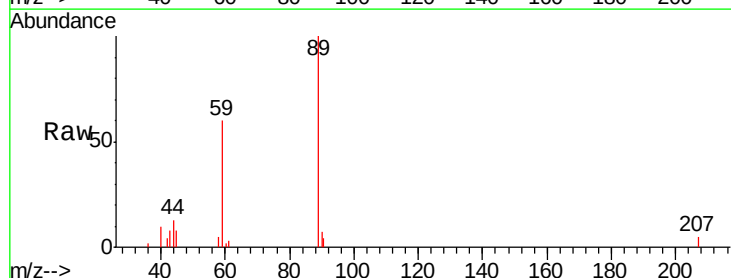
Acq: 21 Sep 2019 06:31

Tgt Ion: 59 Resp: 3324

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

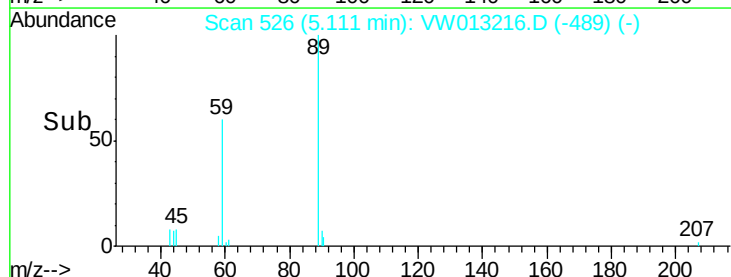
1500

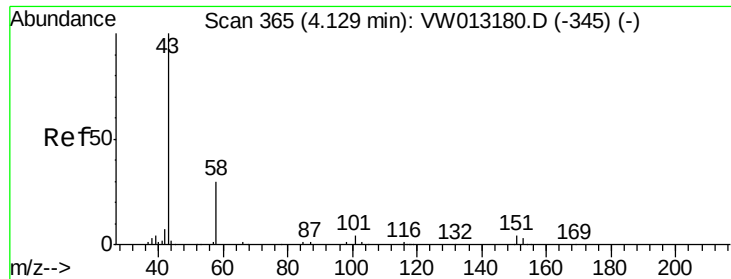
1000

500

0

Time--> 5.00 5.05 5.10

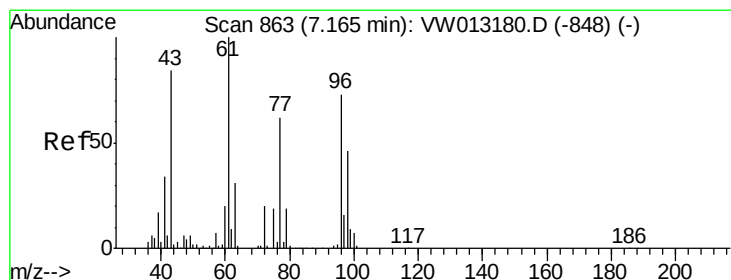
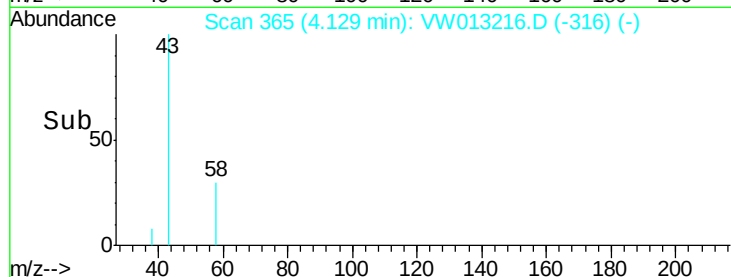
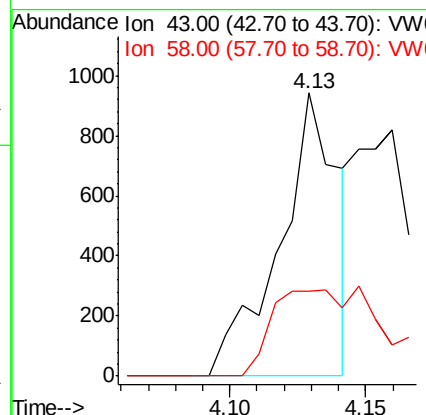
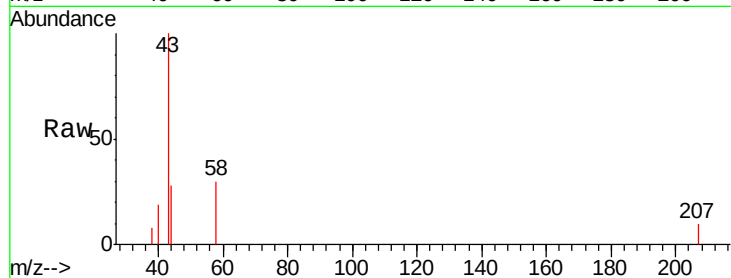




#16
Acetone
Concen: 1.936 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VW013216.D
Acq: 21 Sep 2019 06:31

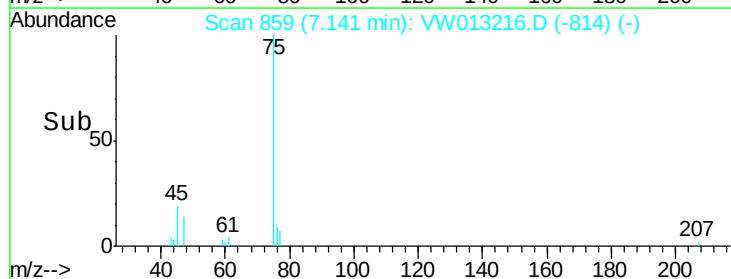
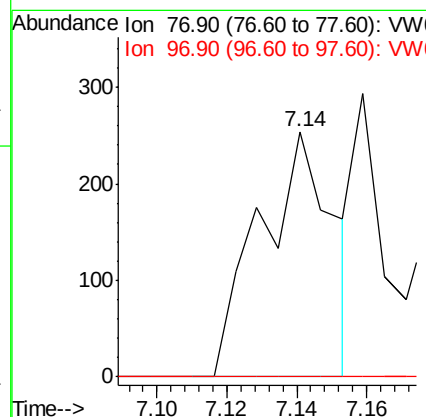
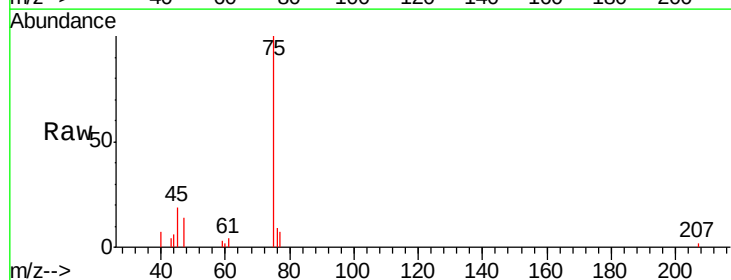
Instrument :
MSVOA_W
ClientSampled :
ROLL-OFF-SOIL

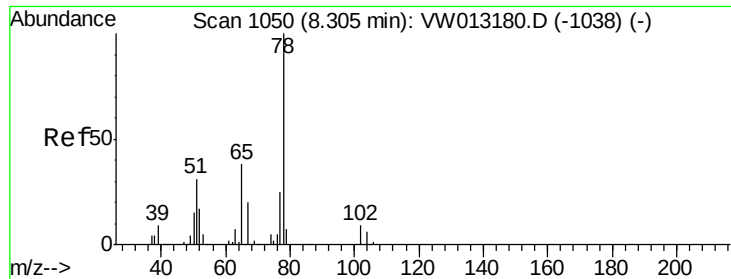
Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
58 30.3 24.1 36.1



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013216.D
Acq: 21 Sep 2019 06:31

Tgt Ion: 77 Resp: 369
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#

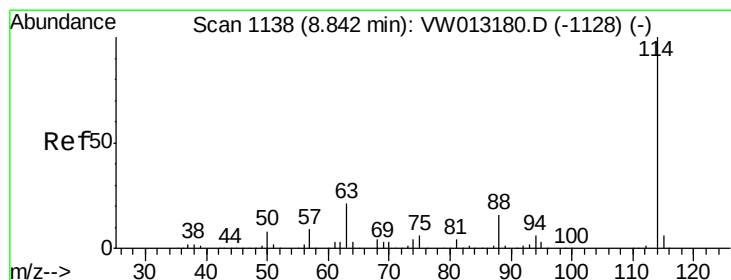
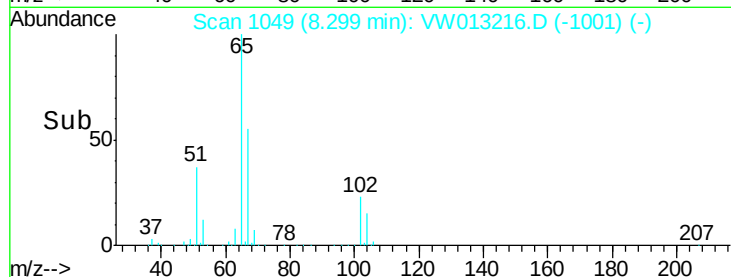
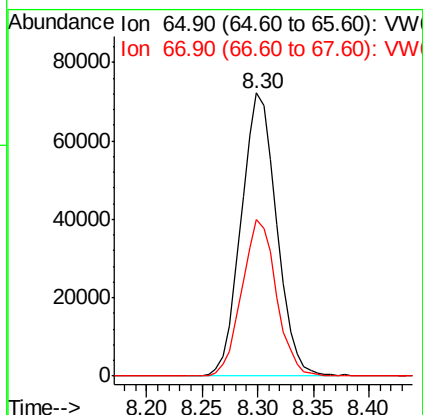
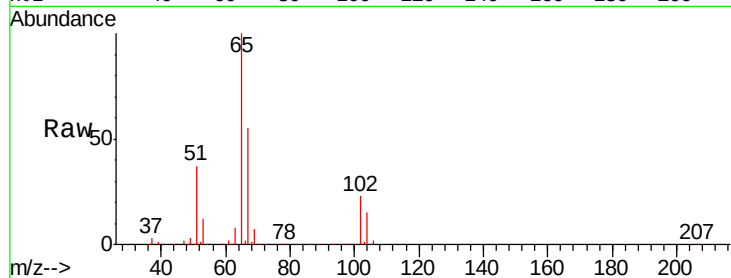




#33
 1,2-Dichloroethane-d4
 Concen: 49.766 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013216.D
 Acq: 21 Sep 2019 06:31

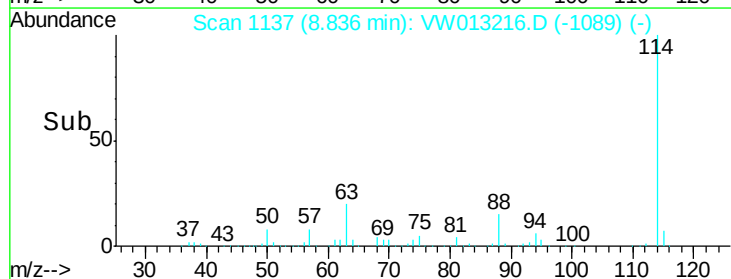
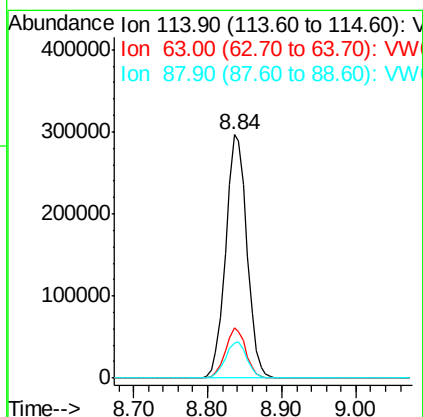
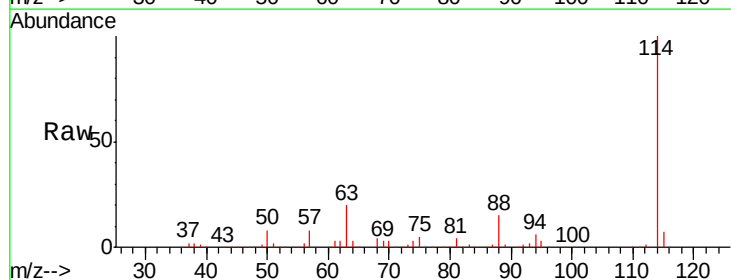
Instrument :
 MSVOA_W
 ClientSampleId :
 ROLL-OFF-SOIL

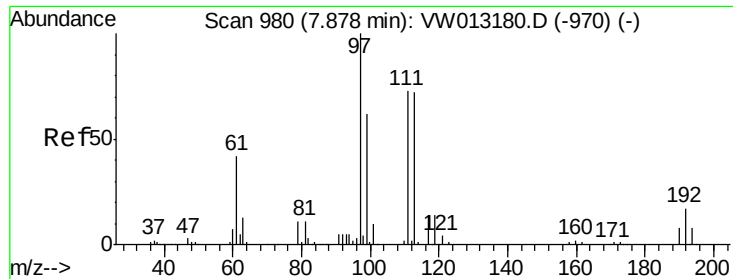
Tgt Ion: 65 Resp: 159938
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013216.D
 Acq: 21 Sep 2019 06:31

Tgt Ion: 114 Resp: 588554
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.4
 88 14.6 0.0 32.0

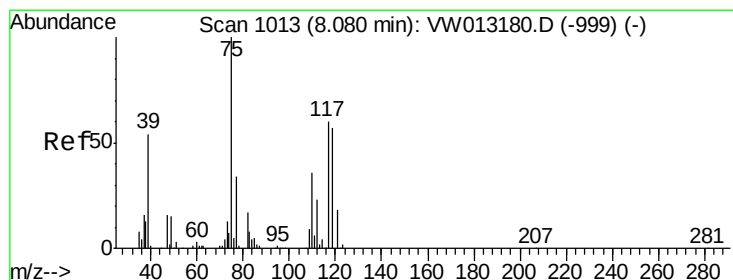
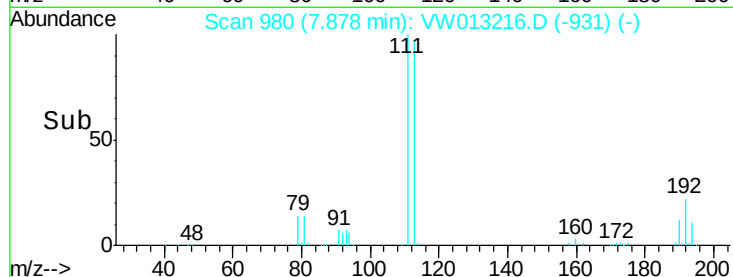
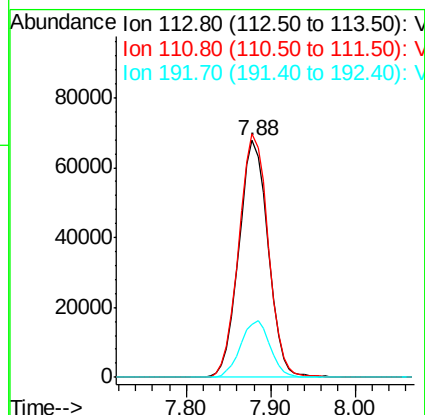
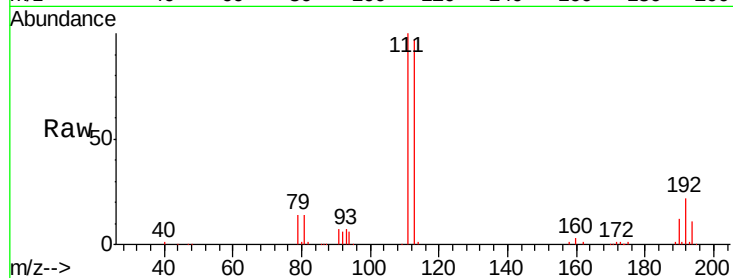




#35
 Dibromofluoromethane
 Concen: 48.971 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013216.D
 Acq: 21 Sep 2019 06:31

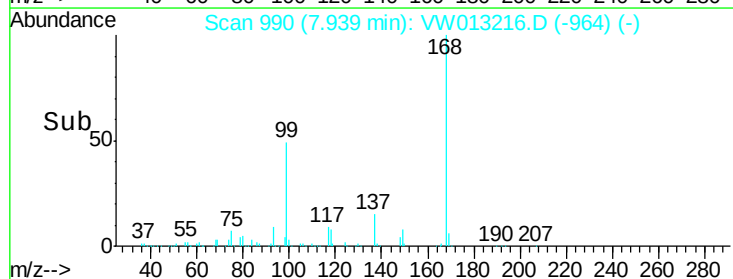
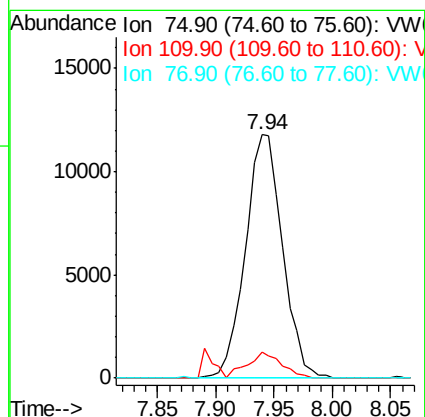
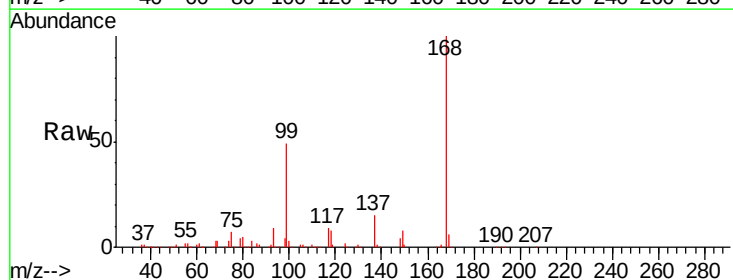
Instrument :
 MSVOA_W
 ClientSampled :
 ROLL-OFF-SOIL

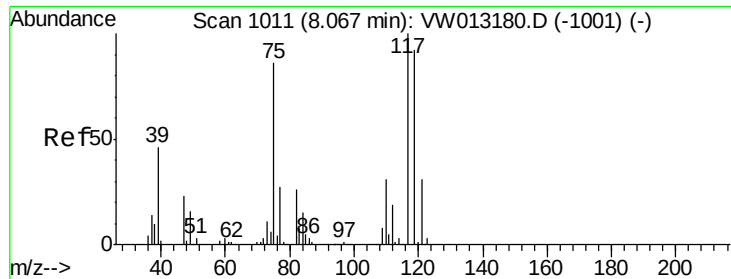
Tgt Ion:113 Resp: 158523
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.9 122.9
 192 24.0 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.607 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013216.D
 Acq: 21 Sep 2019 06:31

Tgt Ion: 75 Resp: 26265
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.3#
 77 0.0 25.8 38.6#

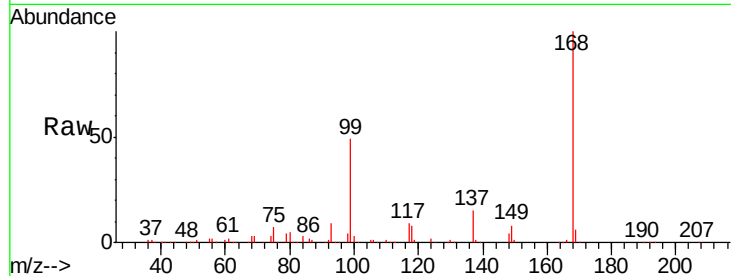




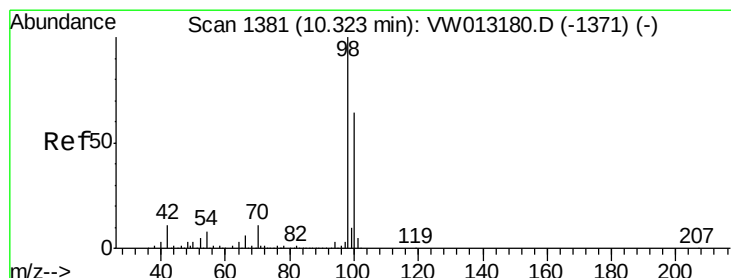
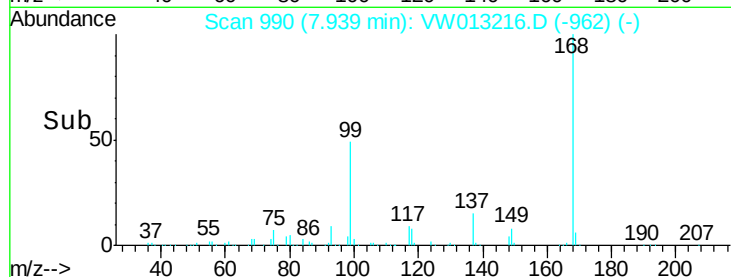
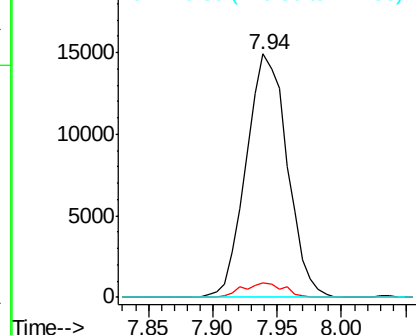
#38
Carbon Tetrachloride
Concen: 6.449 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013216.D
Acq: 21 Sep 2019 06:31

Instrument :
MSVOA_W
ClientSampleId :
ROLL-OFF-SOIL

Tgt Ion:117 Resp: 32953
Ion Ratio Lower Upper
117 100
119 6.0 73.5 110.3#
121 0.0 25.0 37.6#

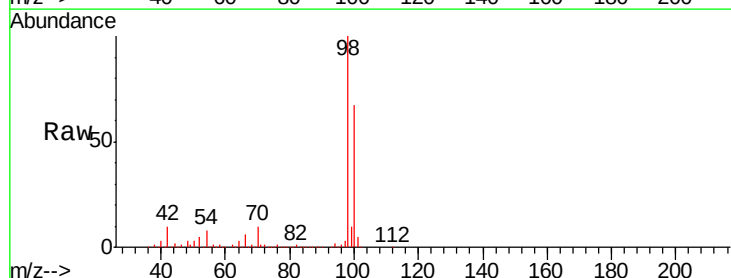


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

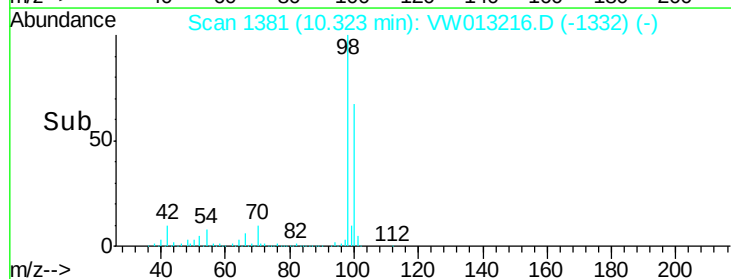
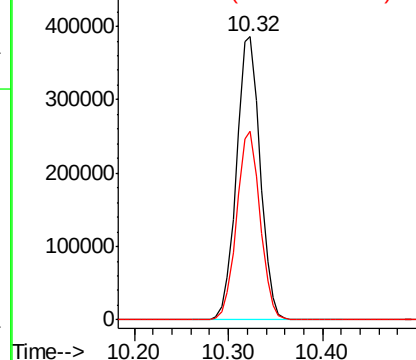


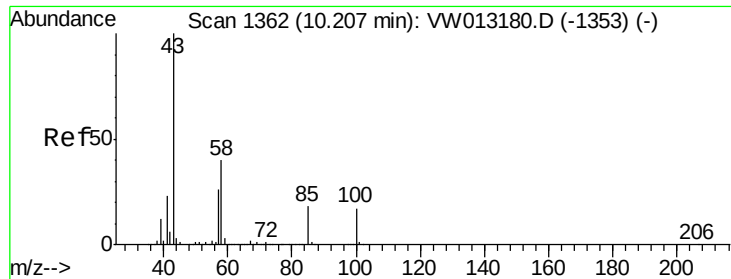
#50
Toluene-d8
Concen: 49.763 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013216.D
Acq: 21 Sep 2019 06:31

Tgt Ion: 98 Resp: 674165
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

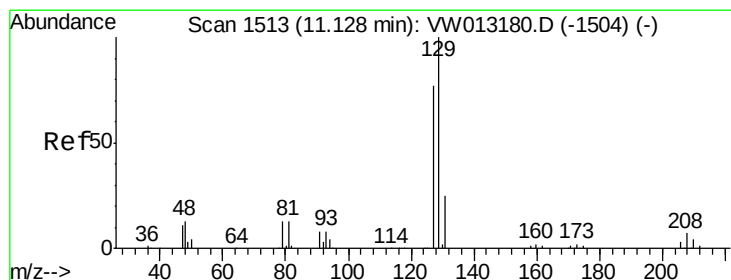
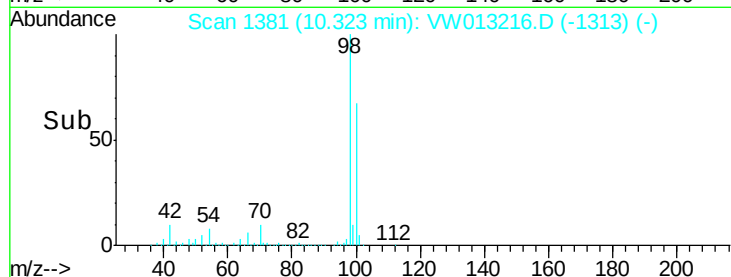
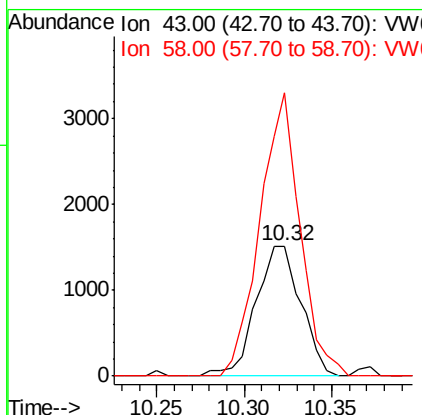
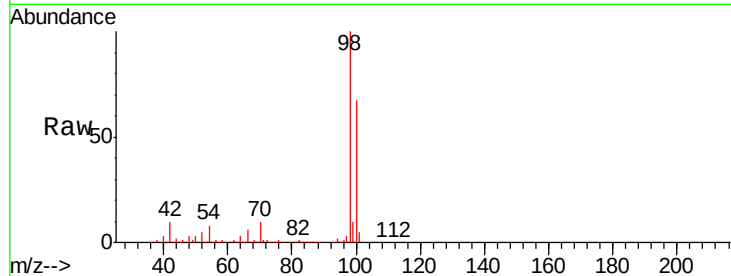




#51
 4-Methyl-2-Pentanone
 Concen: 1.172 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.12 min
 Lab File: VW013216.D
 Acq: 21 Sep 2019 06:31

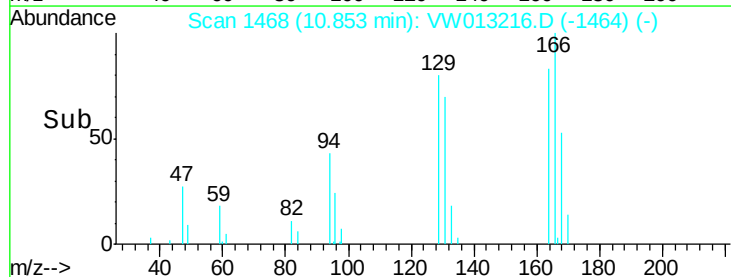
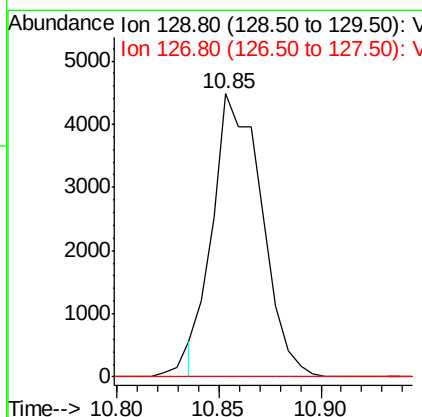
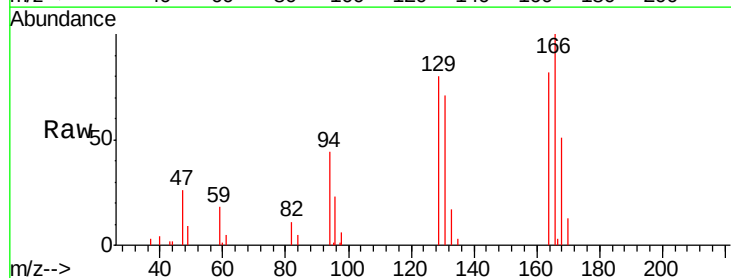
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 MSVOA_W
 ClientSampled :
 ROLL-OFF-SOIL

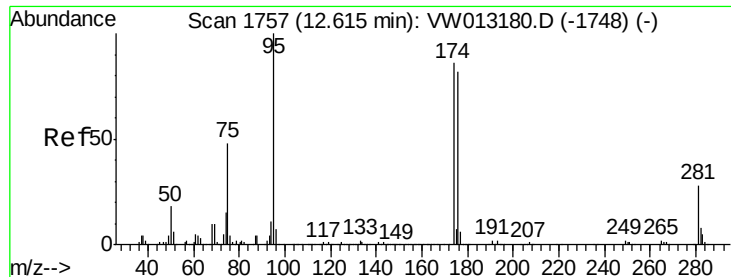
Tgt Ion: 43 Resp: 2728
 Ion Ratio Lower Upper
 43 100
 58 193.0 31.7 47.5#



#60
 Dibromochloromethane
 Concen: 2.322 ug/l
 RT: 10.85 min Scan# 1468
 Delta R.T. -0.27 min
 Lab File: VW013216.D
 Acq: 21 Sep 2019 06:31

Tgt Ion: 129 Resp: 7428
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.4#





#62

4-Bromofluorobenzene

Concen: 44.114 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013216.D

Acq: 21 Sep 2019 06:31

Instrument :

MSVOA_W

ClientSampleId :

ROLL-OFF-SOIL

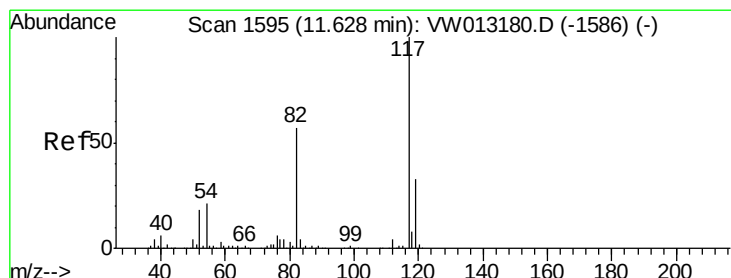
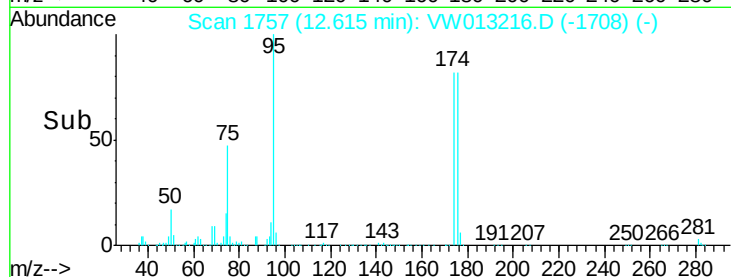
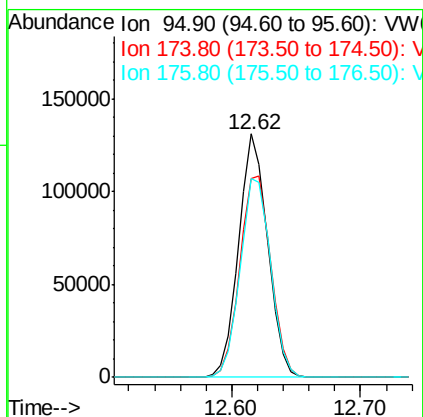
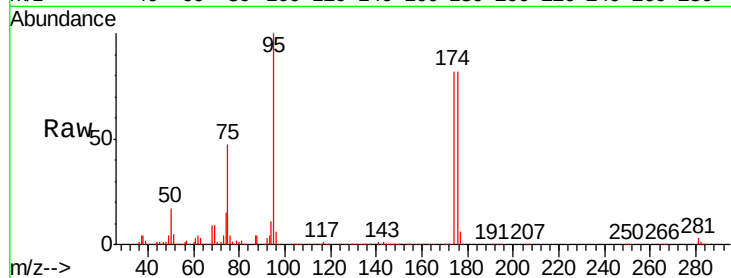
Tgt Ion: 95 Resp: 204145

Ion Ratio Lower Upper

95 100

174 88.1 0.0 178.4

176 85.5 0.0 172.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013216.D

Acq: 21 Sep 2019 06:31

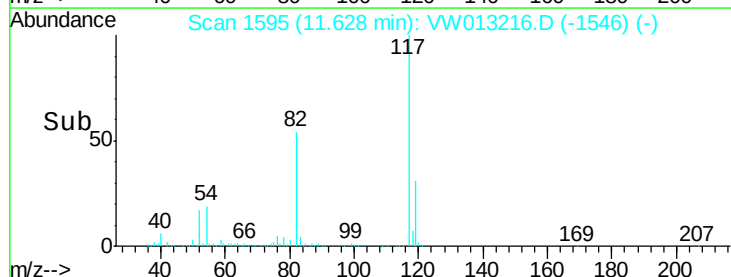
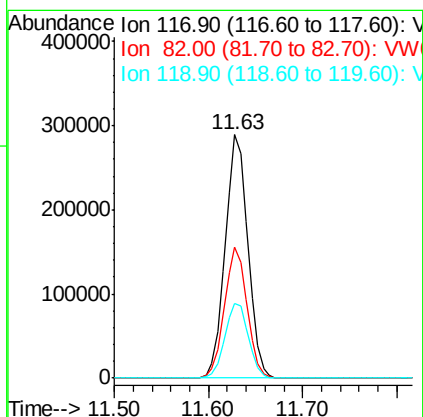
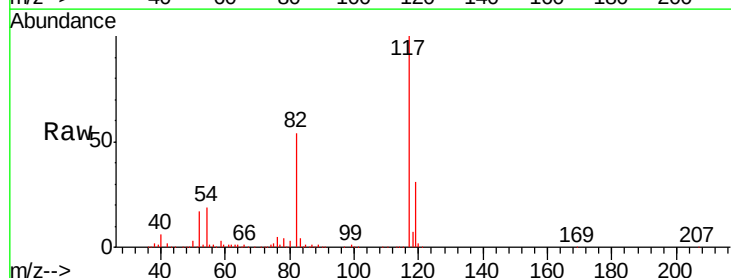
Tgt Ion: 117 Resp: 482600

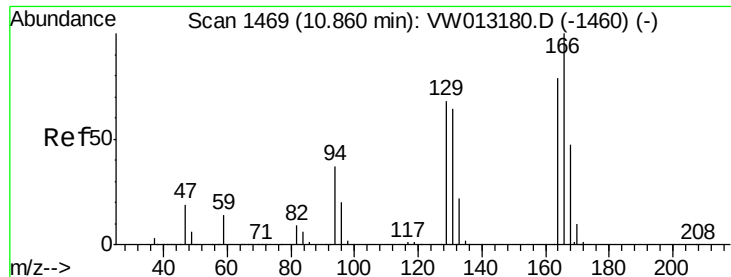
Ion Ratio Lower Upper

117 100

82 53.9 45.9 68.9

119 30.9 26.2 39.2





#64

Tetrachloroethene

Concen: 2.342 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013216.D

Acq: 21 Sep 2019 06:31

Instrument :

MSVOA_W

ClientSampleId :

ROLL-OFF-SOIL

Tgt Ion:164 Resp: 8575

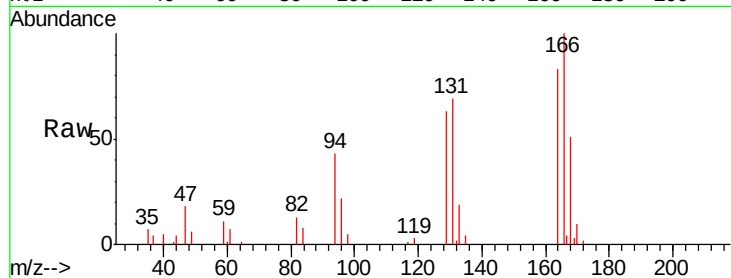
Ion Ratio Lower Upper

164 100

166 120.5 101.2 151.8

129 76.5 68.8 103.2

131 82.6 65.2 97.8

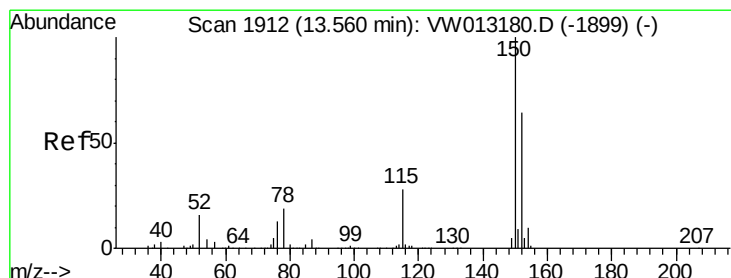
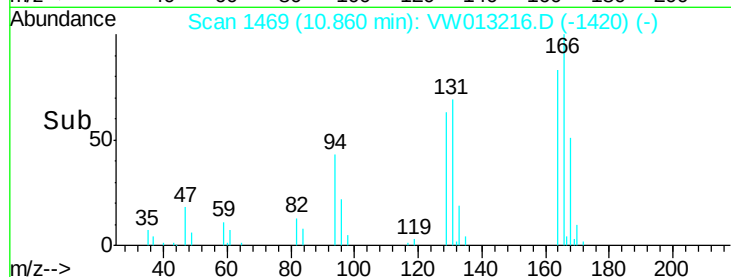
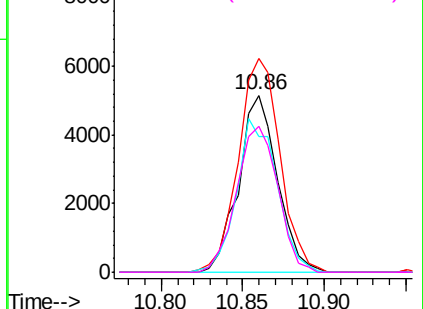


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013216.D

Acq: 21 Sep 2019 06:31

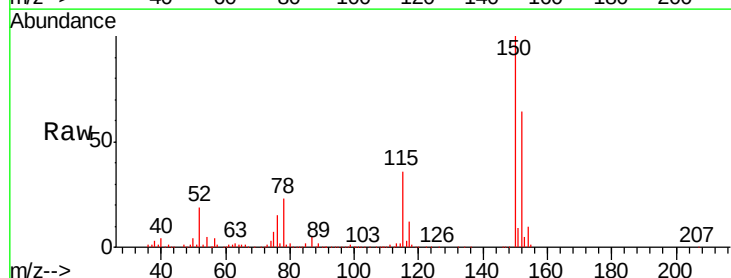
Tgt Ion:152 Resp: 204559

Ion Ratio Lower Upper

152 100

115 54.8 27.3 81.9

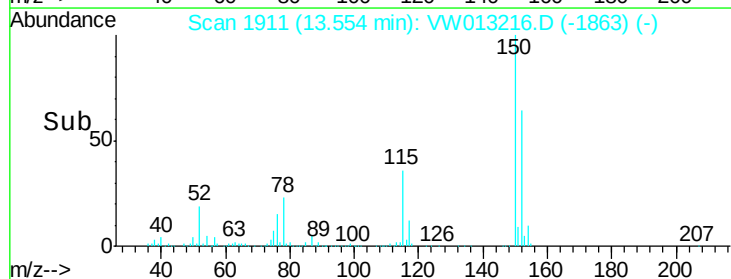
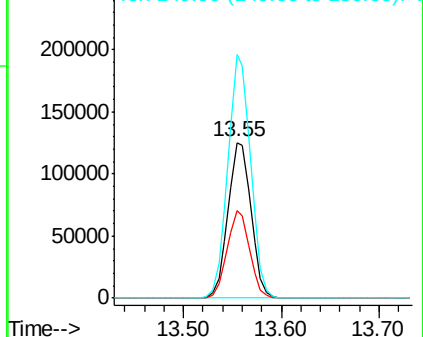
150 153.9 0.0 349.0

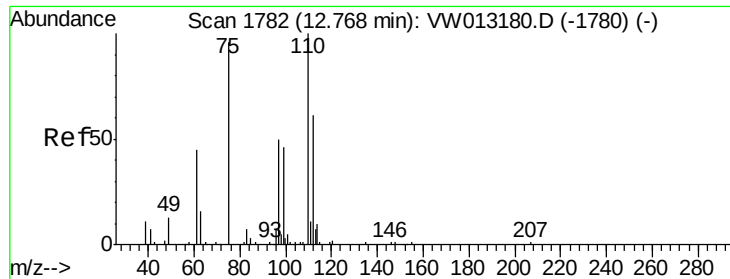


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 53.833 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013216.D

Acq: 21 Sep 2019 06:31

Instrument :

MSVOA_W

ClientSampleId :

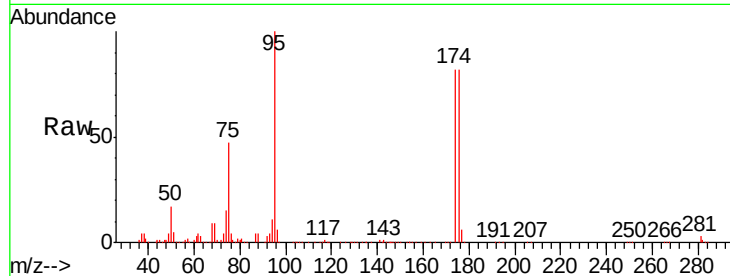
ROLL-OFF-SOIL

Tgt Ion: 75 Resp: 97250

Ion Ratio Lower Upper

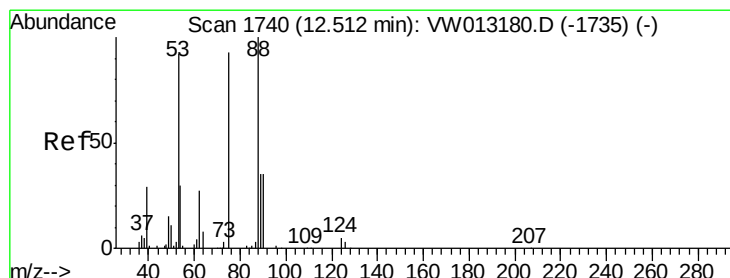
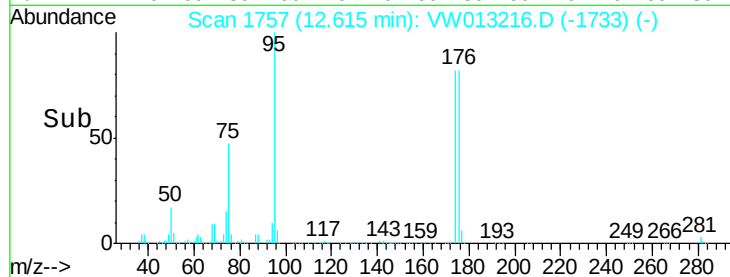
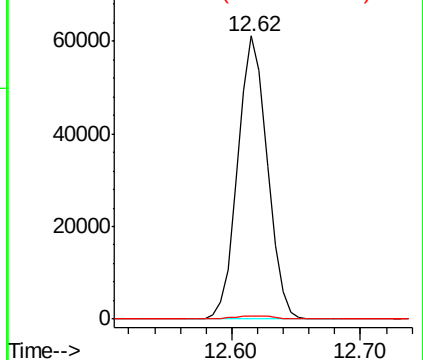
75 100

77 1.4 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: 120.796 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013216.D

Acq: 21 Sep 2019 06:31

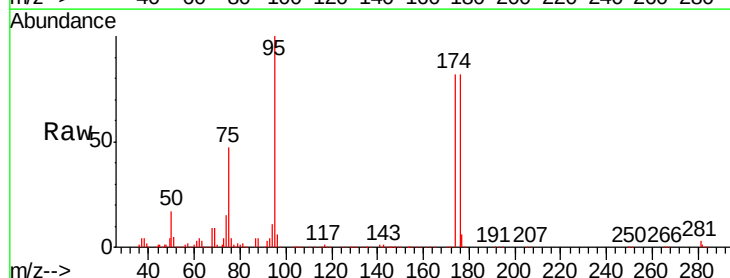
Tgt Ion: 75 Resp: 97250

Ion Ratio Lower Upper

75 100

53 0.1 76.6 114.8#

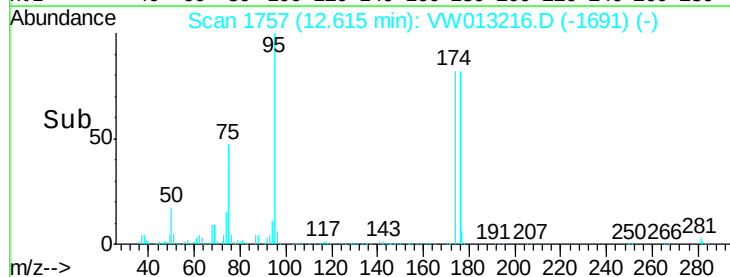
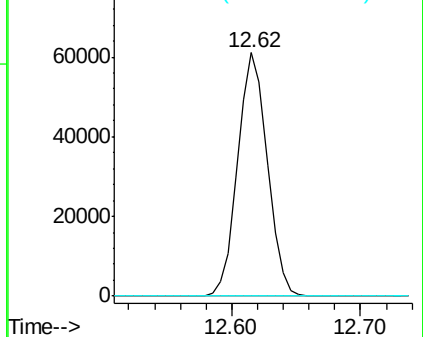
89 0.0 33.5 50.3#

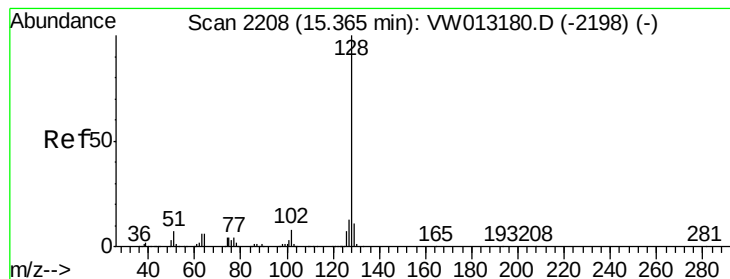


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 7.844 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013216.D

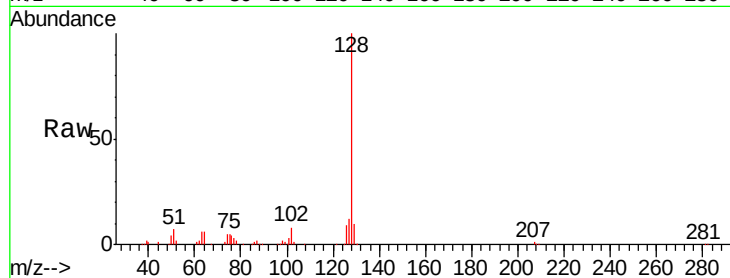
Acq: 21 Sep 2019 06:31

Instrument :

MSVOA_W

ClientSampleId :

ROLL-OFF-SOIL



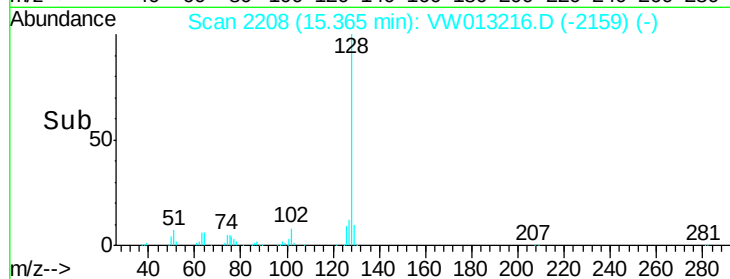
Tgt Ion:128 Resp: 54809

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 10.6 8.7 13.1



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

