

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013256.D
 Acq On : 24 Sep 2019 04:12
 Operator : SY/VA
 Sample : K4980-07
 Misc : 5.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SAND-STOCKPILE-2

Quant Time: Sep 24 06:45:53 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	7.94	168	353869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	543818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	496317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	208837	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	161833	56.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.06%	
35) Dibromofluoromethane	7.88	113	153777	51.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.82%	
50) Toluene-d8	10.32	98	659853	52.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.62	95	213728	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	

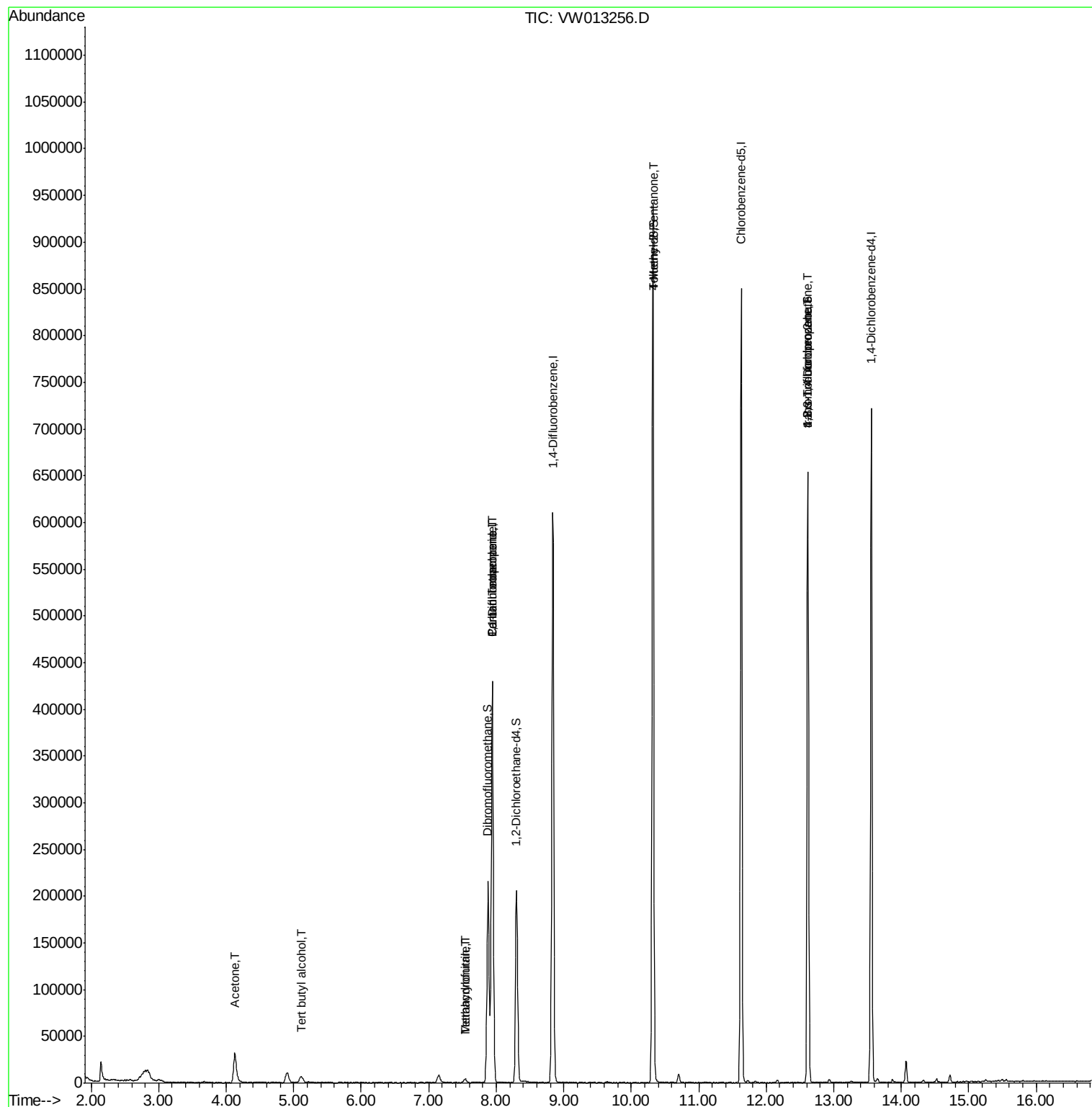
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	6380	21.446	ug/l #	73
16) Acetone	4.13	43	62449	95.884	ug/l	97
20) Methylene Chloride	4.91	84	8833	Below Cal	#	93
26) 2,2-Dichloropropane	7.15	77	412	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	3468	5.784	ug/l	92
36) 1,1-Dichloropropene	7.94	75	23610	4.482	ug/l #	49
38) Carbon Tetrachloride	7.95	117	31259	6.620	ug/l #	18
41) Methacrylonitrile	7.54	41	1869	1.399	ug/l #	49
51) 4-Methyl-2-Pentanone	10.32	43	2544	1.183	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	100256	54.360	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	100256	121.979	ug/l #	12

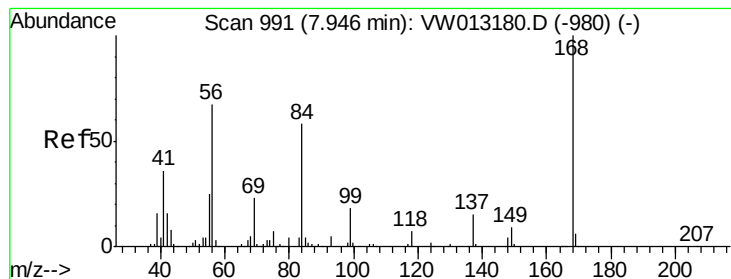
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013256.D

Acq: 24 Sep 2019 04:12

Instrument :

MSVOA_W

ClientSampleId :

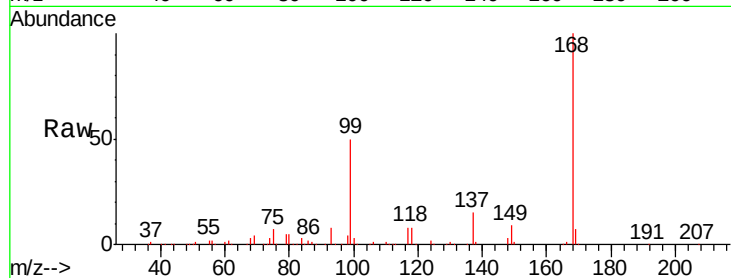
SAND-STOCKPILE-2

Tgt Ion:168 Resp: 353869

Ion Ratio Lower Upper

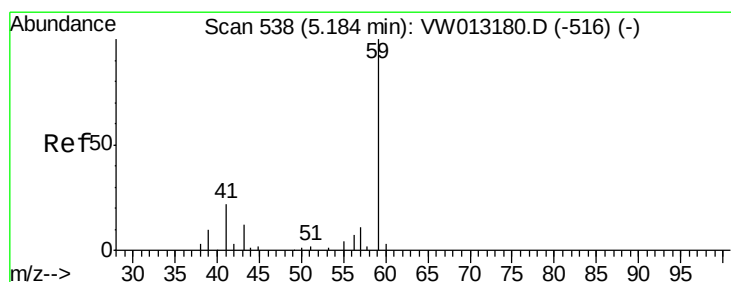
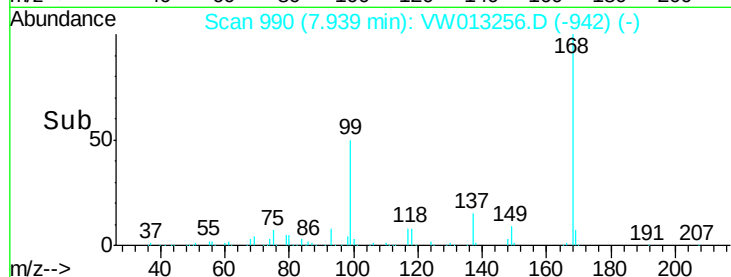
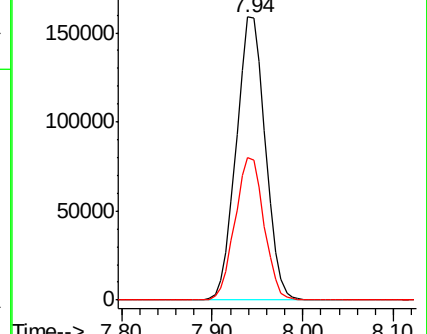
168 100

99 50.5 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 21.446 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013256.D

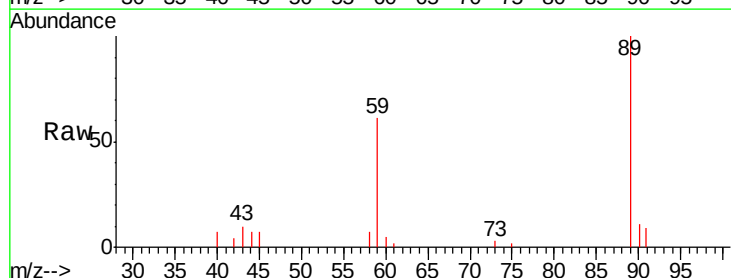
Acq: 24 Sep 2019 04:12

Tgt Ion: 59 Resp: 6380

Ion Ratio Lower Upper

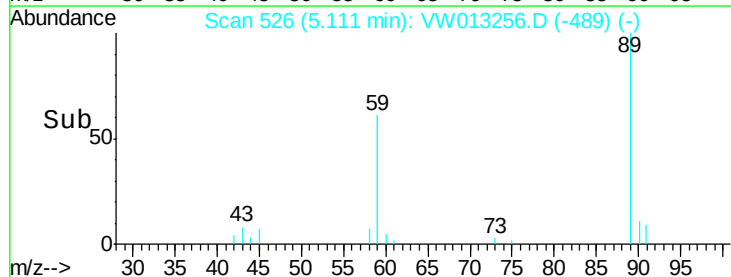
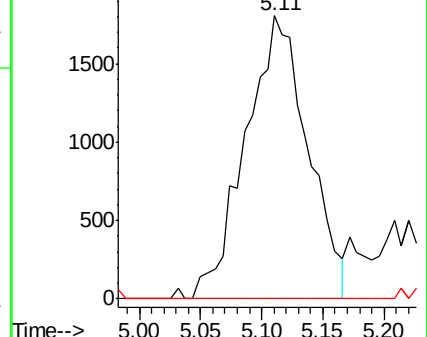
59 100

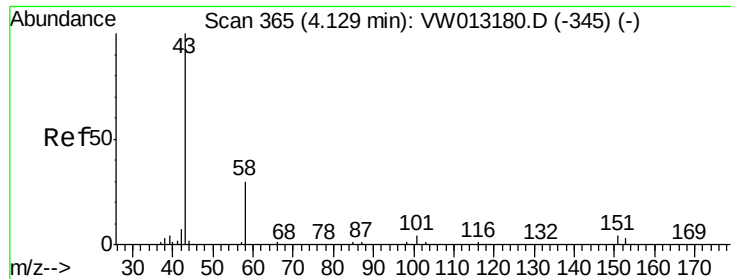
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 95.884 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW013256.D

Acq: 24 Sep 2019 04:12

Instrument :

MSVOA_W

ClientSampleId :

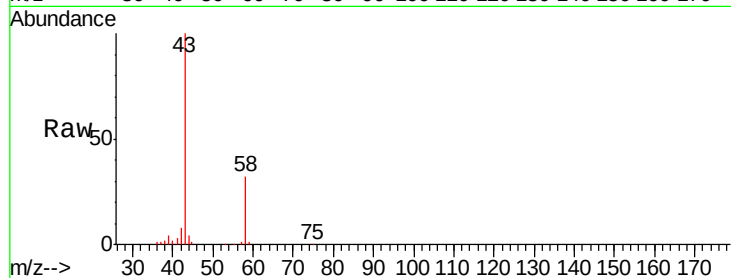
SAND-STOCKPILE-2

Tgt Ion: 43 Resp: 62449

Ion Ratio Lower Upper

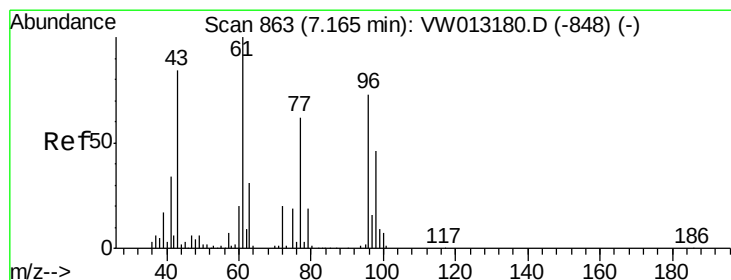
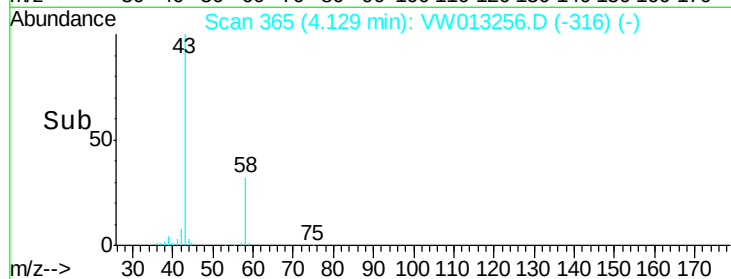
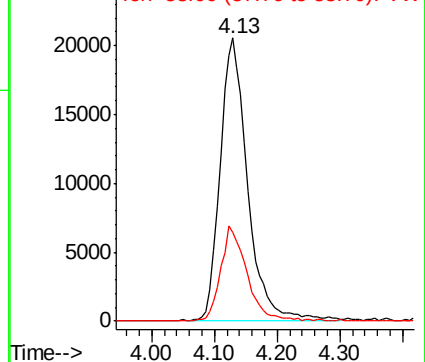
43 100

58 31.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013256.D

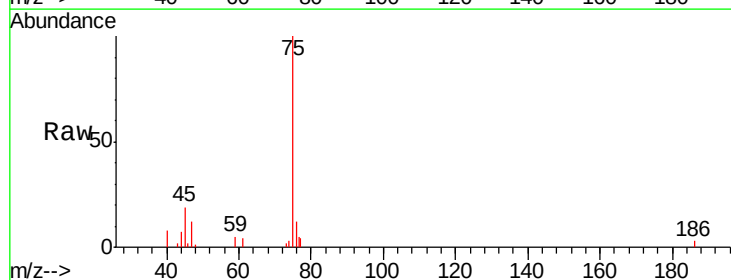
Acq: 24 Sep 2019 04:12

Tgt Ion: 77 Resp: 412

Ion Ratio Lower Upper

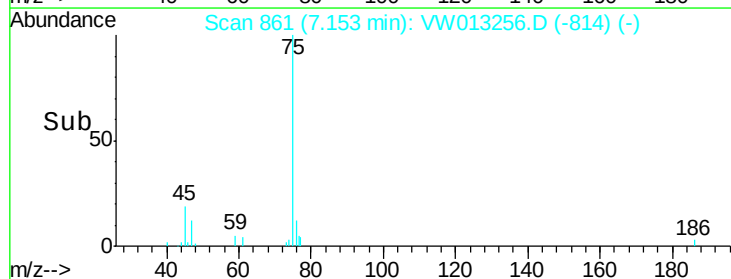
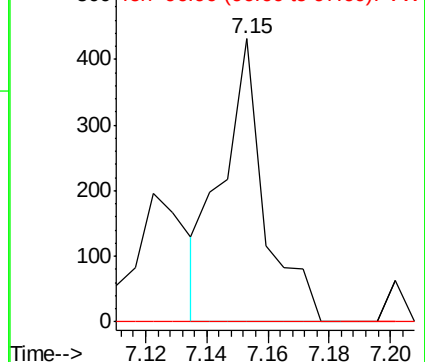
77 100

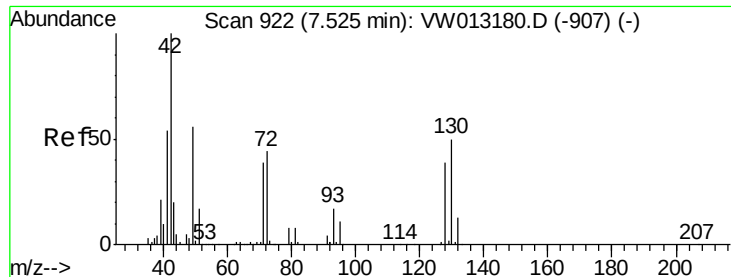
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

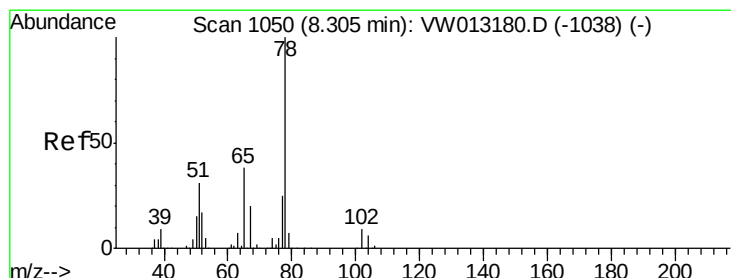
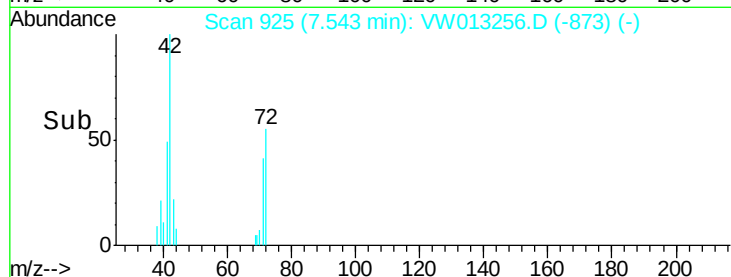
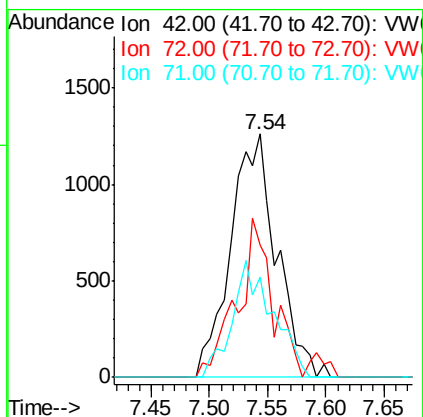
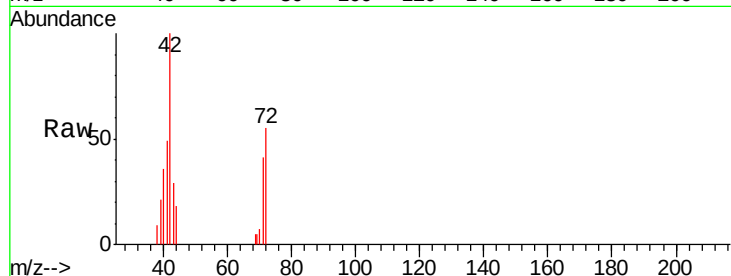




#29
Tetrahydrofuran
Concen: 5.784 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW013256.D
Acq: 24 Sep 2019 04:12

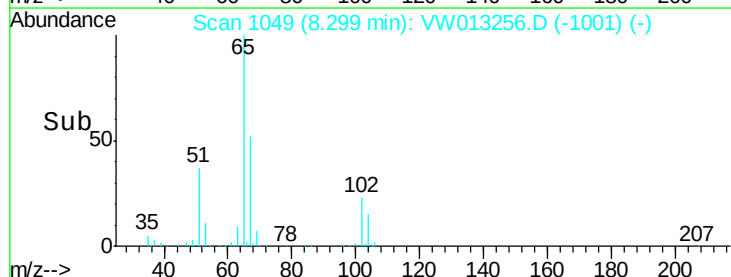
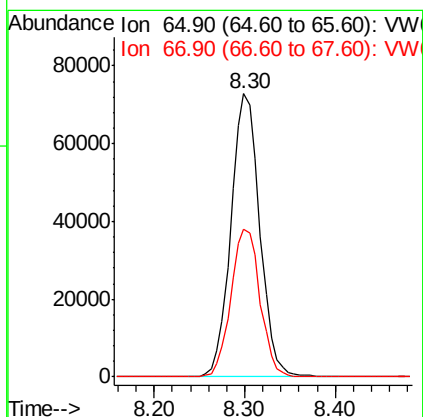
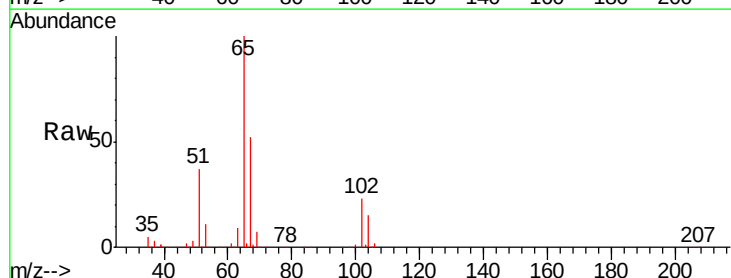
Instrument :
MSVOA_W
ClientSampleId :
SAND-STOCKPILE-2

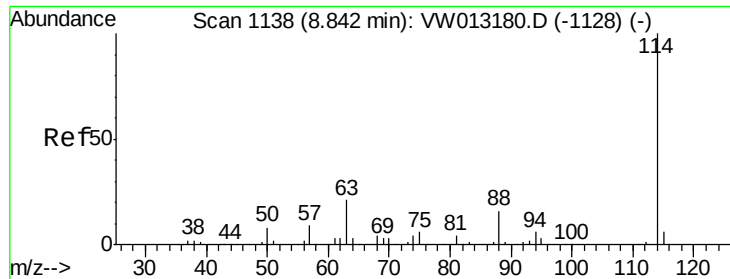
Tgt Ion: 42 Resp: 3468
Ion Ratio Lower Upper
42 100
72 50.6 33.9 50.9
71 42.2 31.9 47.9



#33
1,2-Dichloroethane-d4
Concen: 56.035 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013256.D
Acq: 24 Sep 2019 04:12

Tgt Ion: 65 Resp: 161833
Ion Ratio Lower Upper
65 100
67 53.0 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: VW013256.D

Acq: 24 Sep 2019 04:12

Instrument :

MSVOA_W

ClientSampleId :

SAND-STOCKPILE-2

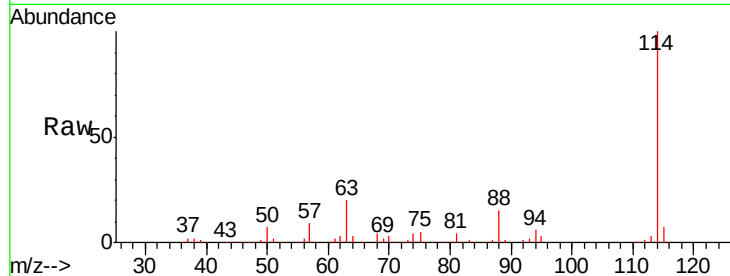
Tgt Ion:114 Resp: 543818

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

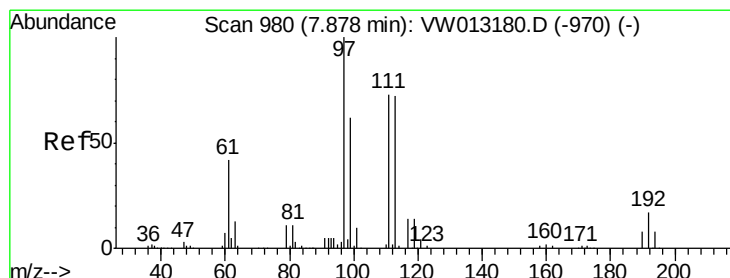
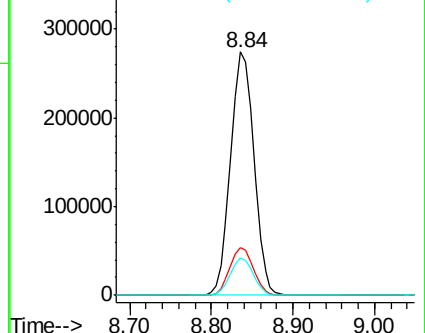
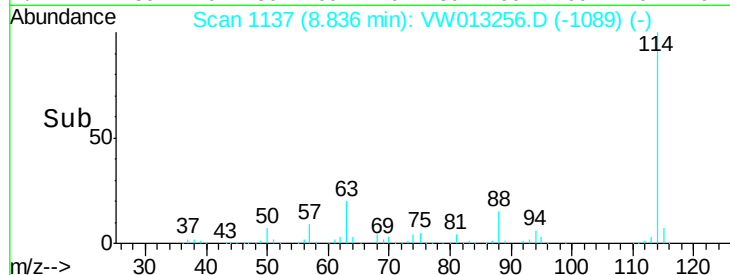
88 15.2 0.0 32.0



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: 51.413 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW013256.D

Acq: 24 Sep 2019 04:12

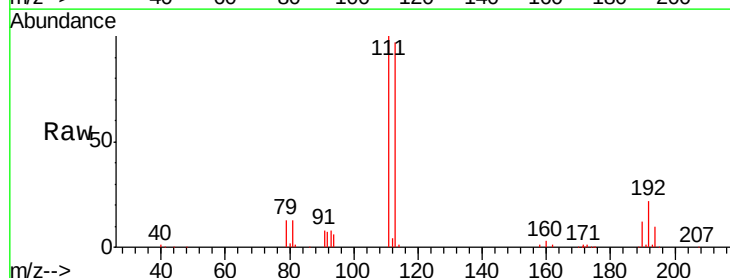
Tgt Ion:113 Resp: 153777

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

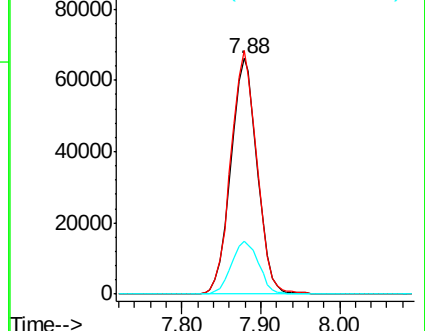
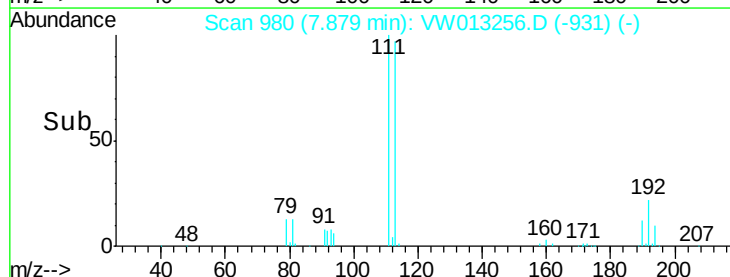
192 23.0 19.1 28.7

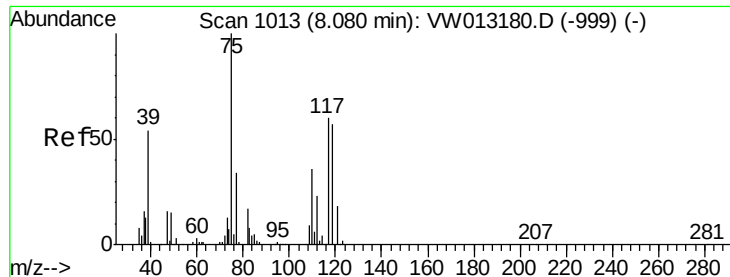


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.482 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013256.D

Acq: 24 Sep 2019 04:12

Instrument :

MSVOA_W

ClientSampleId :

SAND-STOCKPILE-2

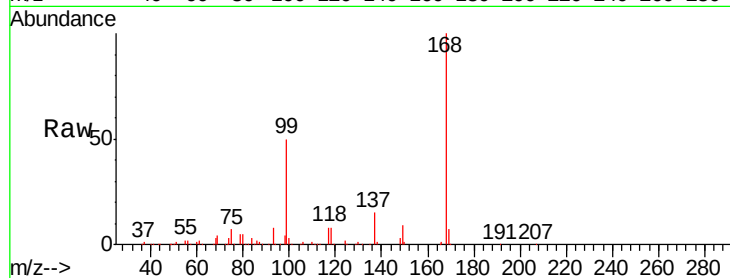
Tgt Ion: 75 Resp: 23610

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.3#

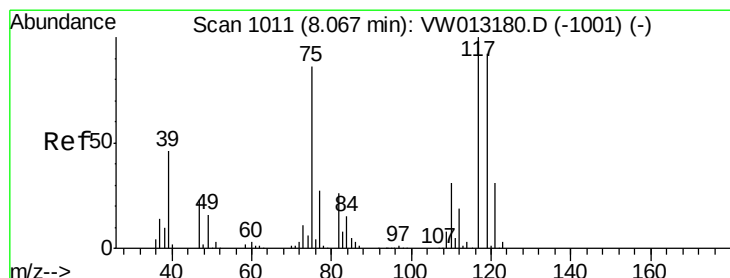
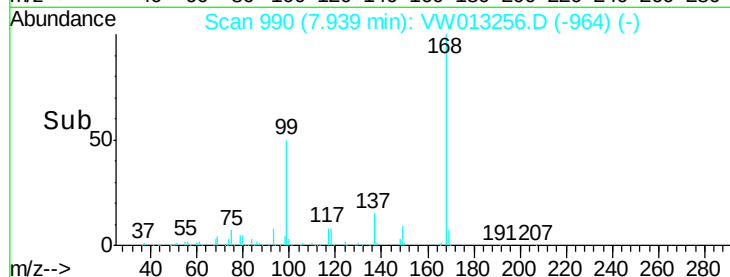
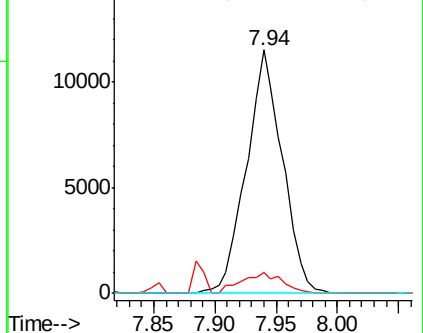
77 0.0 25.8 38.6#



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: 6.620 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013256.D

Acq: 24 Sep 2019 04:12

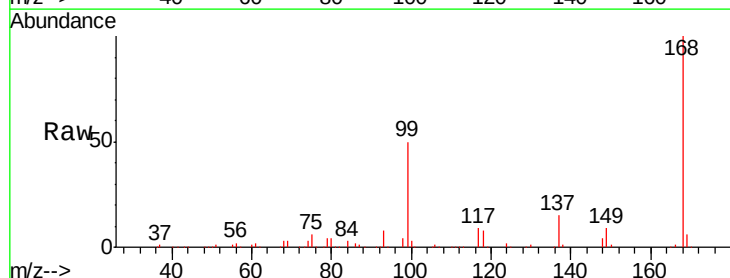
Tgt Ion: 117 Resp: 31259

Ion Ratio Lower Upper

117 100

119 5.2 73.5 110.3#

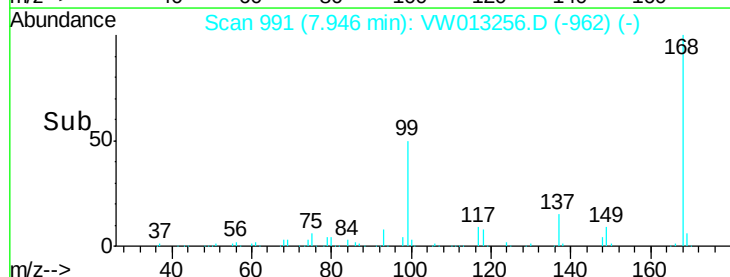
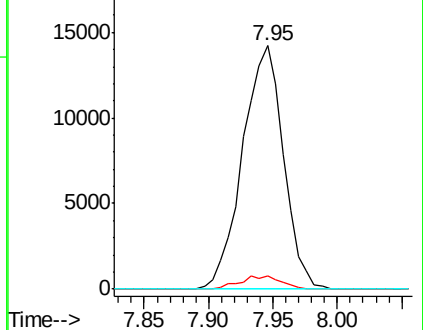
121 0.0 25.0 37.6#

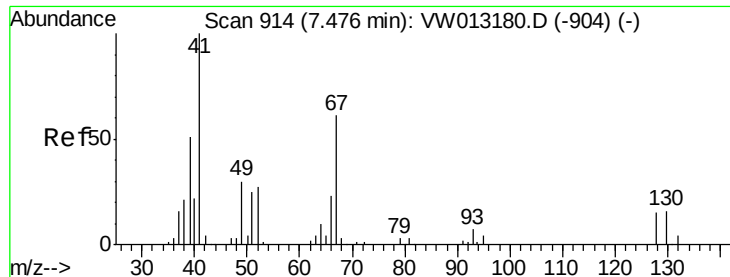


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

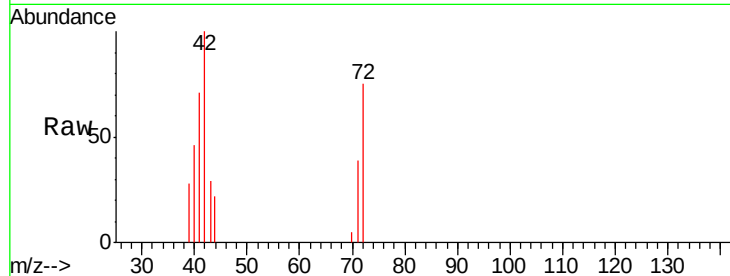




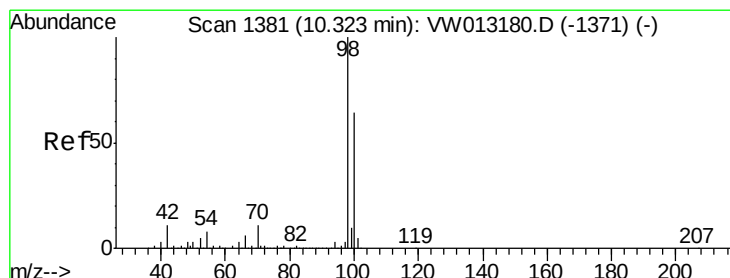
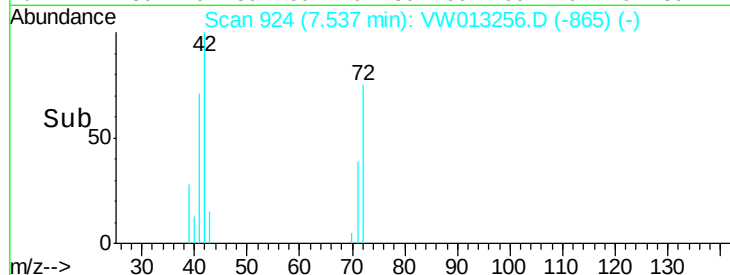
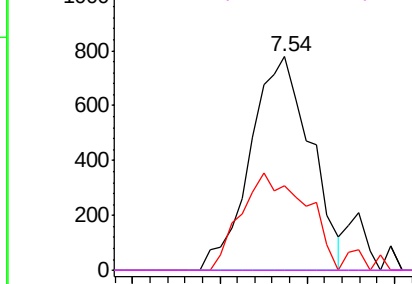
#41
Methacrylonitrile
Concen: 1.399 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.06 min
Lab File: VW013256.D
Acq: 24 Sep 2019 04:12

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion:	41	Resp:	1869
Ion	Ratio	Lower	Upper
41	100		
39	49.3	45.9	68.9
67	0.0	54.5	81.7#
52	0.0	22.5	33.7#

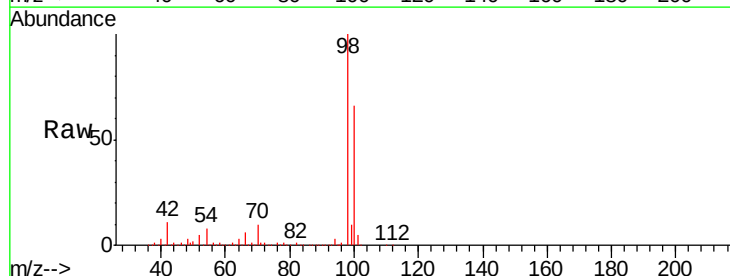


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

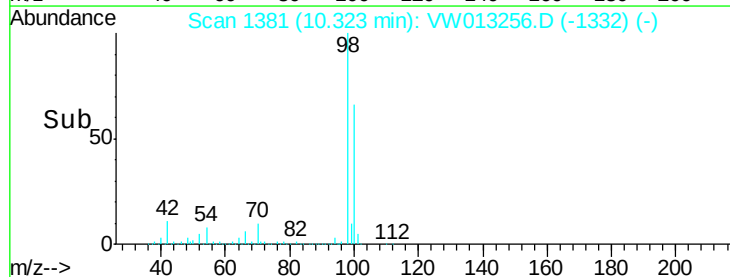
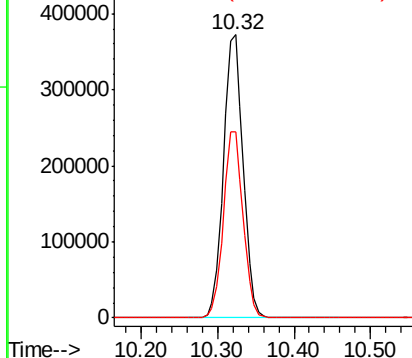


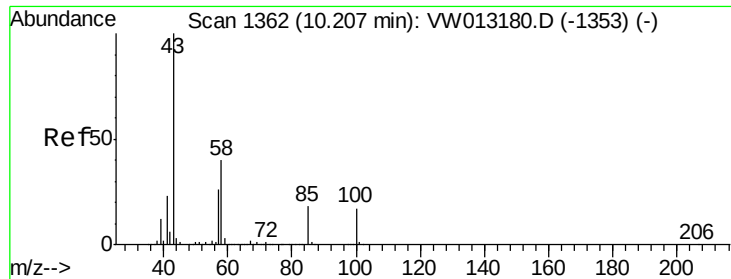
#50
Toluene-d8
Concen: 52.714 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013256.D
Acq: 24 Sep 2019 04:12

Tgt Ion:	98	Resp:	659853
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.9	79.3



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

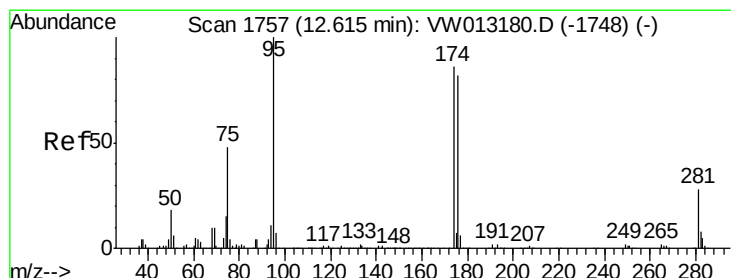
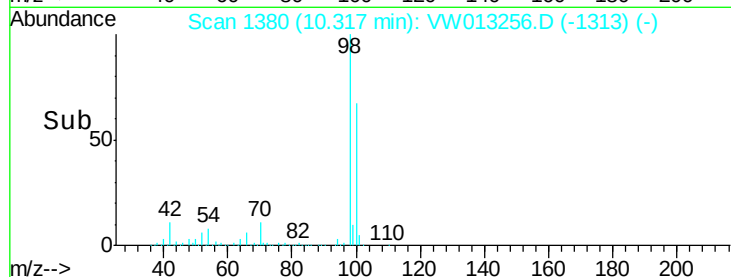
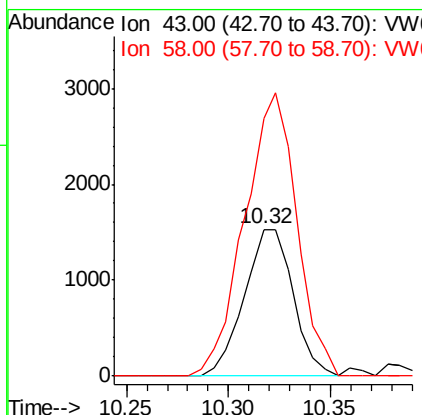
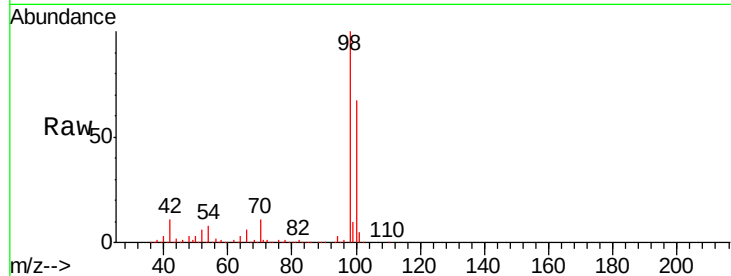




#51
 4-Methyl-2-Pentanone
 Concen: 1.183 ug/l
 RT: 10.32 min Scan# 1380
 Delta R.T. 0.11 min
 Lab File: VW013256.D
 Acq: 24 Sep 2019 04:12

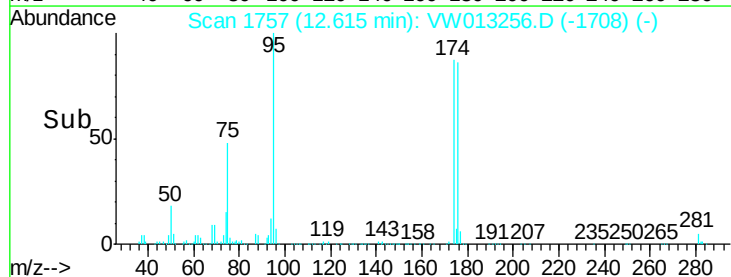
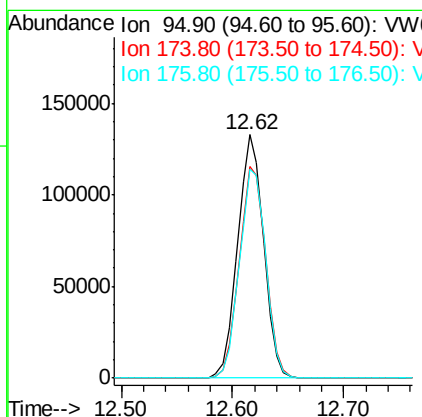
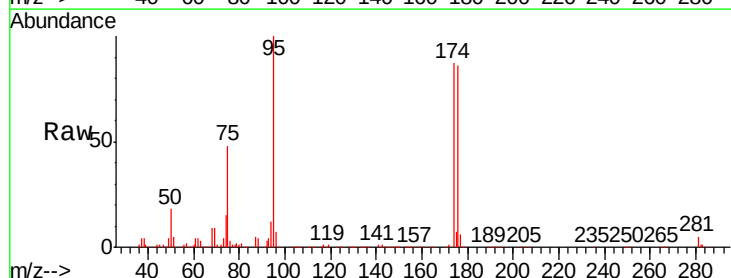
Instrument :
 MSVOA_W
 ClientSampleId :
 SAND-STOCKPILE-2

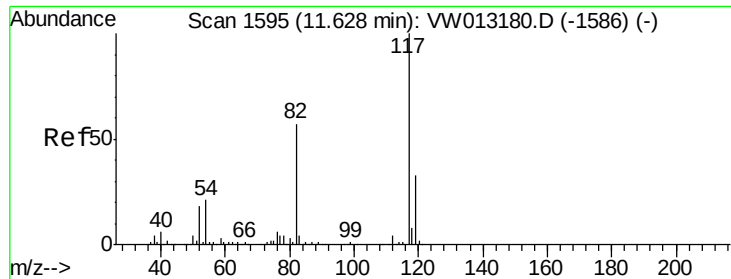
Tgt Ion: 43 Resp: 2544
 Ion Ratio Lower Upper
 43 100
 58 206.5 31.7 47.5#



#62
 4-Bromofluorobenzene
 Concen: 49.984 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013256.D
 Acq: 24 Sep 2019 04:12

Tgt Ion: 95 Resp: 213728
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 178.4
 176 87.2 0.0 172.2

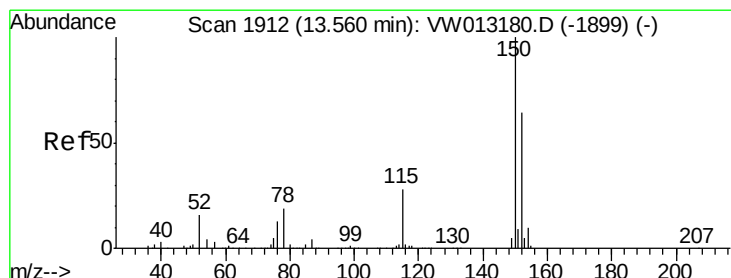
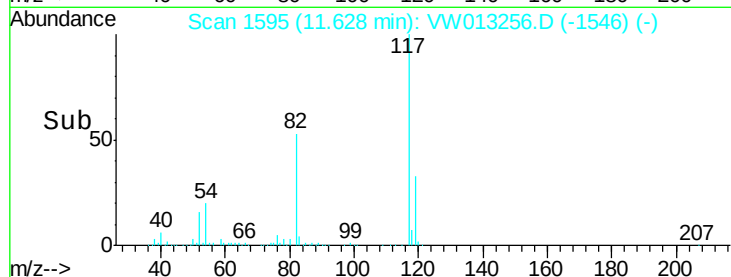
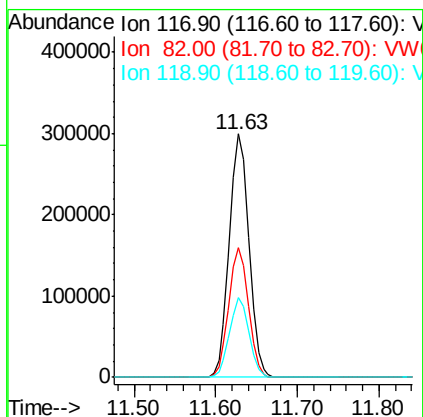
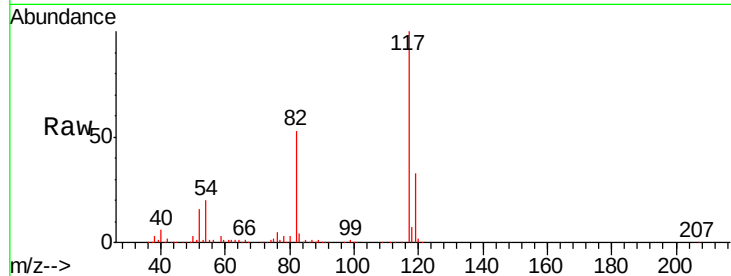




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013256.D
Acq: 24 Sep 2019 04:12

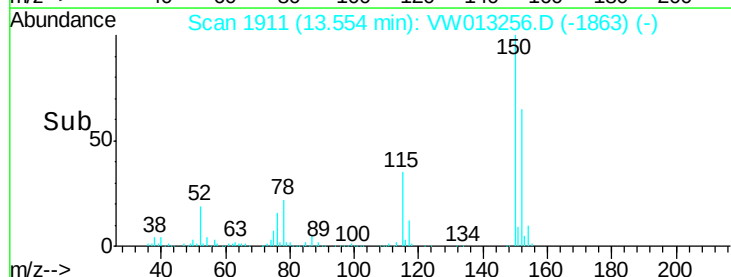
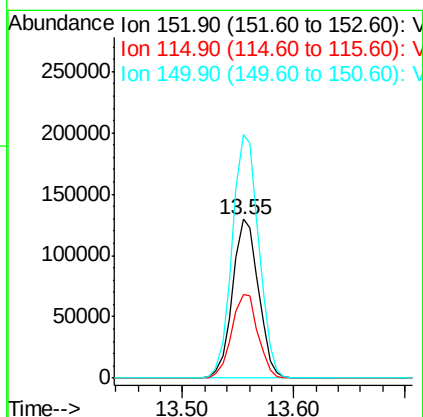
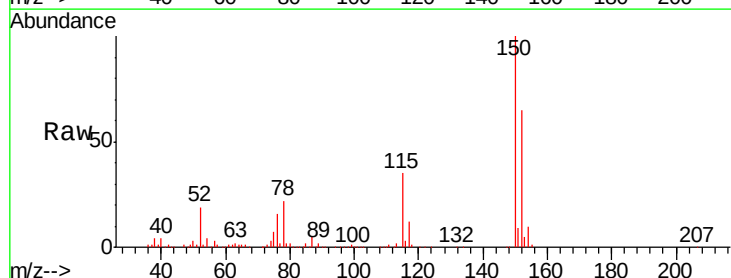
Instrument :
MSVOA_W
ClientSampleId :
SAND-STOCKPILE-2

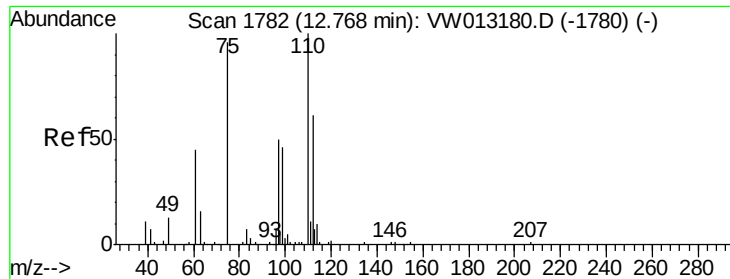
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.9	68.9
119	32.7	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013256.D
Acq: 24 Sep 2019 04:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	27.3	81.9
150	156.4	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 54.360 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013256.D

Acq: 24 Sep 2019 04:12

Instrument :

MSVOA_W

ClientSampleId :

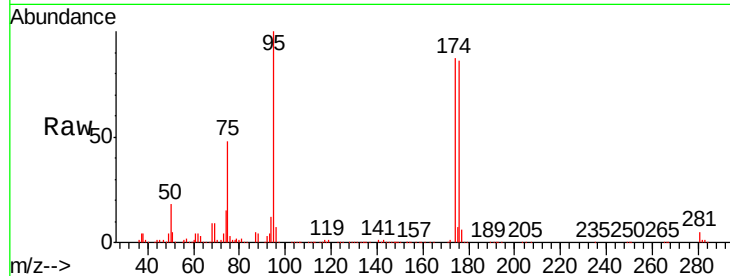
SAND-STOCKPILE-2

Tgt Ion: 75 Resp: 100256

Ion Ratio Lower Upper

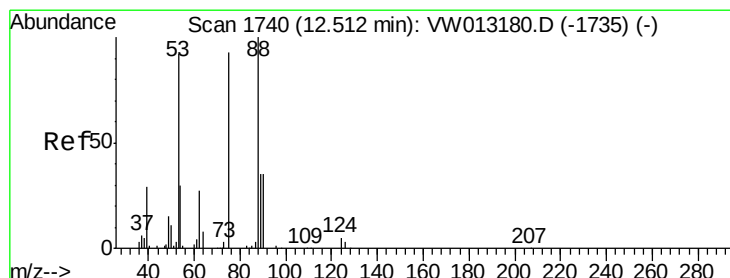
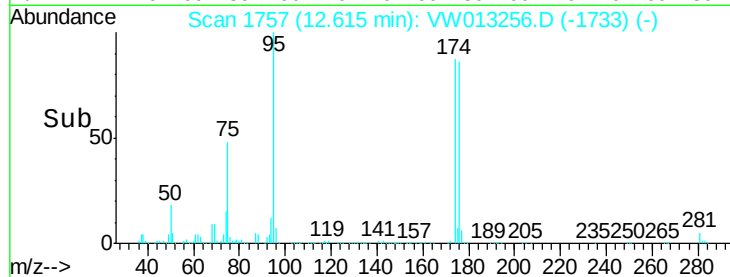
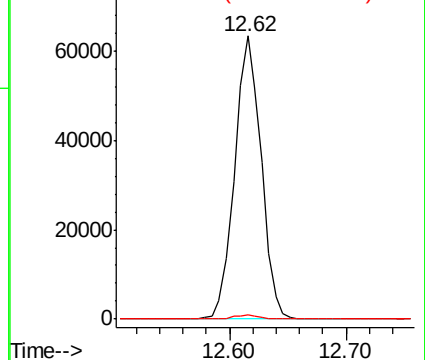
75 100

77 1.5 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: 121.979 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013256.D

Acq: 24 Sep 2019 04:12

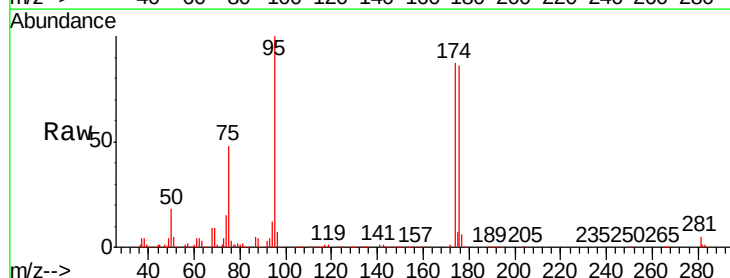
Tgt Ion: 75 Resp: 100256

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 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

