

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013255.D
 Acq On : 24 Sep 2019 03:46
 Operator : SY/VA
 Sample : K4980-05
 Misc : 5.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SAND-STOCKPILE-1

Quant Time: Sep 24 06:45:41 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	363744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	552678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	495911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	205650	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	160703	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
35) Dibromofluoromethane	7.88	113	153081	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.32	98	670239	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.62	95	212750	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	

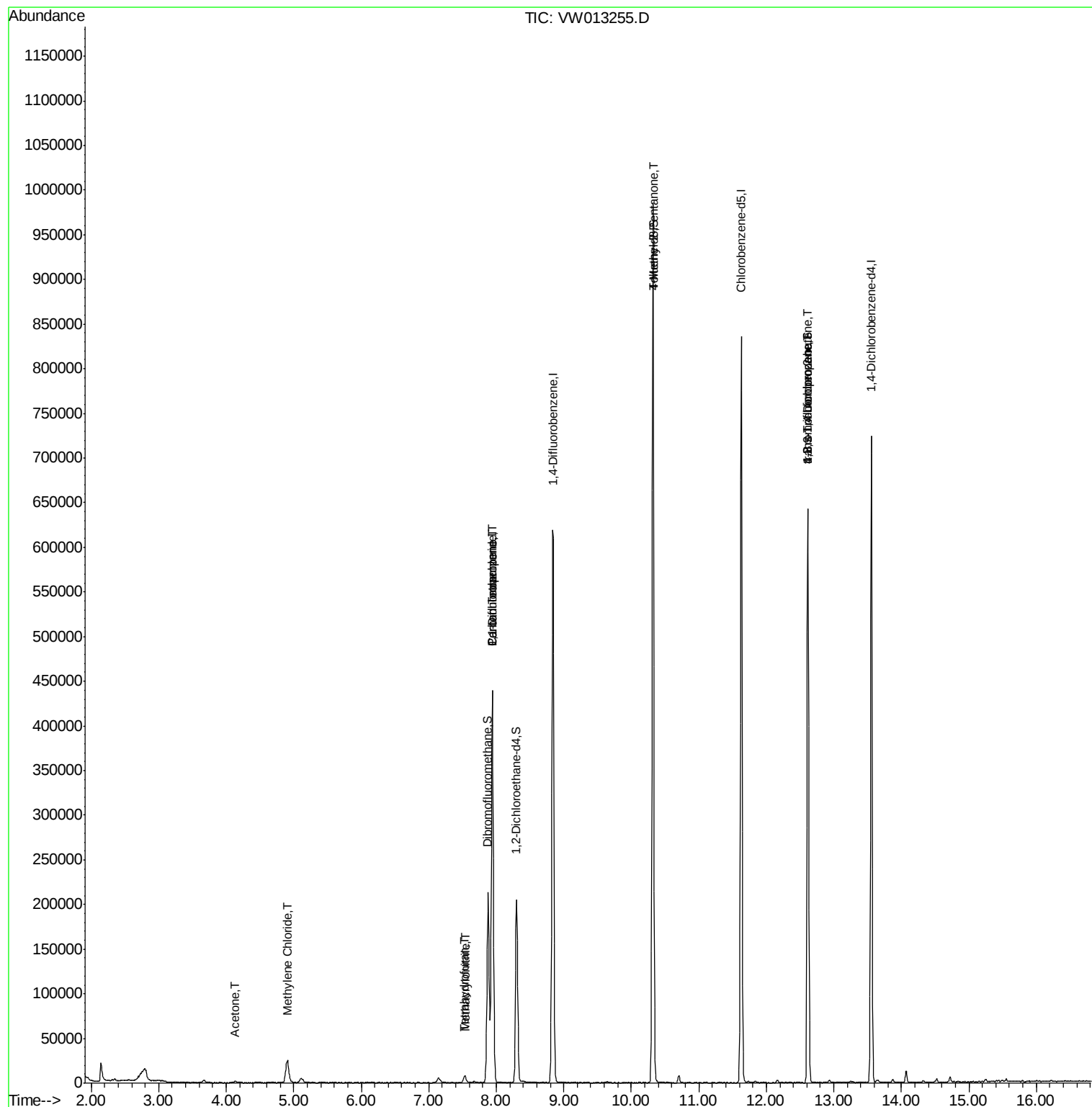
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	649	Below Cal	#	81
16) Acetone	4.12	43	3057	4.566	ug/l #	68
20) Methylene Chloride	4.90	84	19836	3.067	ug/l	96
26) 2,2-Dichloropropane	7.18	77	23	Below Cal	#	52
29) Tetrahydrofuran	7.53	42	6771	10.986	ug/l	98
36) 1,1-Dichloropropene	7.95	75	23964	4.477	ug/l #	47
38) Carbon Tetrachloride	7.94	117	31000	6.460	ug/l #	19
41) Methacrylonitrile	7.54	41	3954	2.912	ug/l #	45
51) 4-Methyl-2-Pentanone	10.32	43	2885	1.320	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	101073	55.652	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	101073	124.878	ug/l #	12

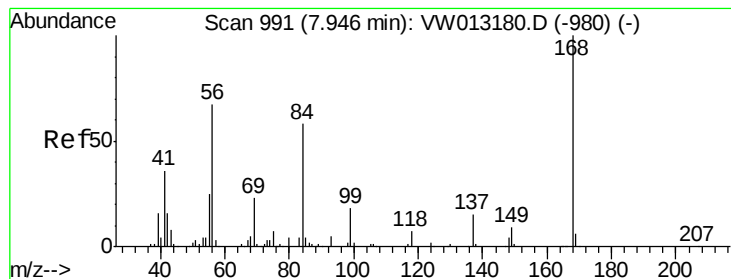
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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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: VW013255.D

Acq: 24 Sep 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

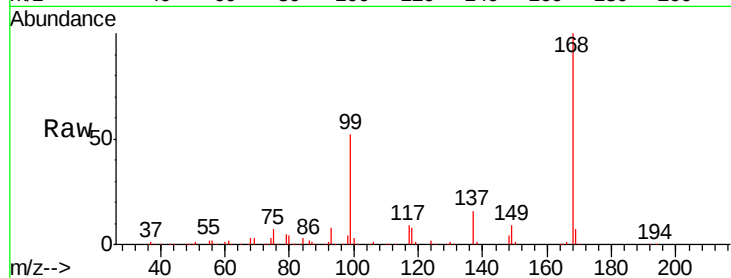
SAND-STOCKPILE-1

Tgt Ion:168 Resp: 363744

Ion Ratio Lower Upper

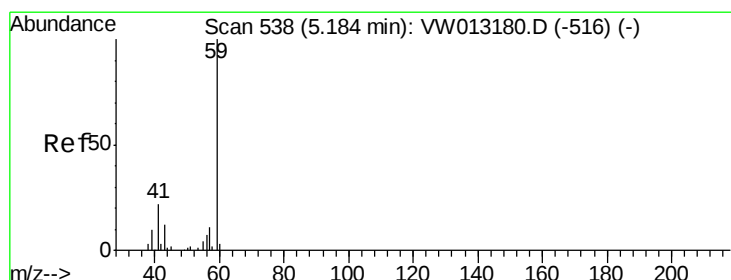
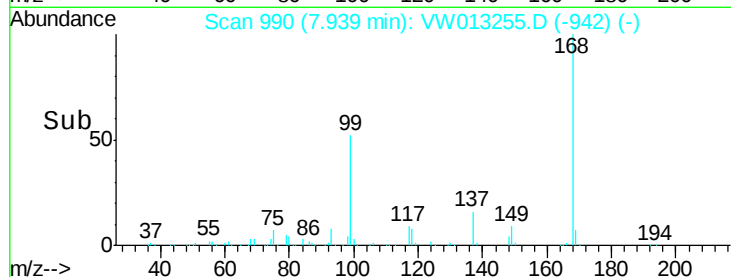
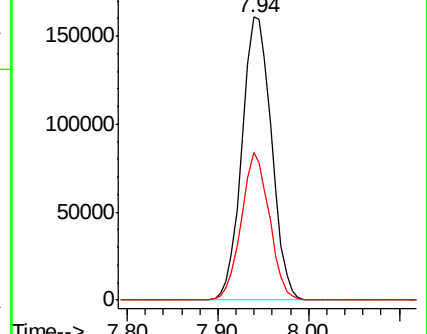
168 100

99 52.4 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: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.00 min

Lab File: VW013255.D

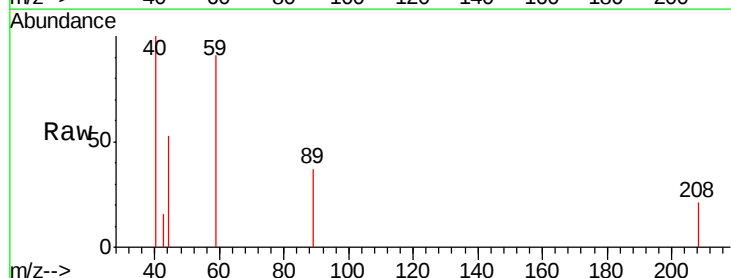
Acq: 24 Sep 2019 03:46

Tgt Ion: 59 Resp: 649

Ion Ratio Lower Upper

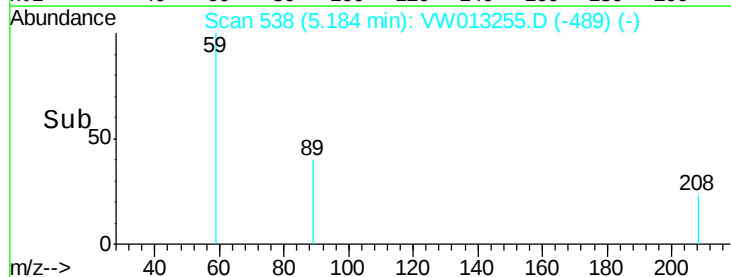
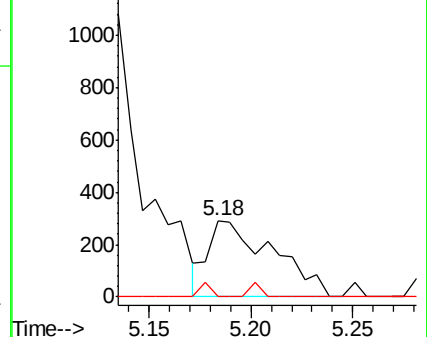
59 100

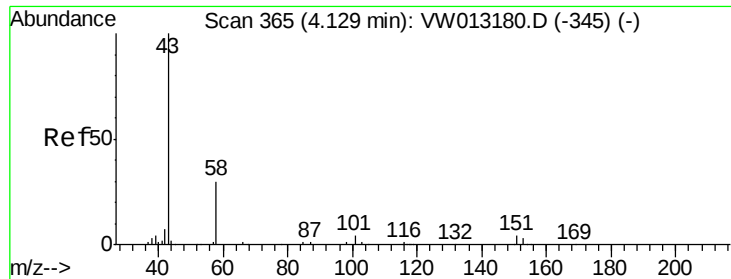
57 3.1 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.566 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

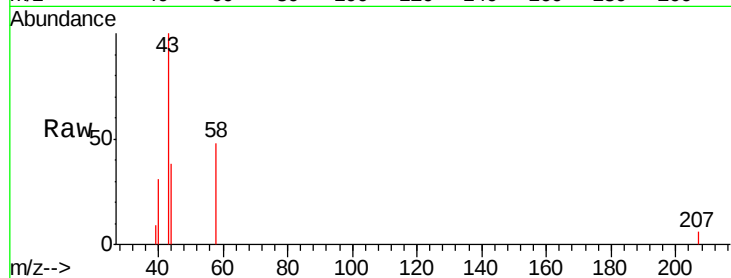
SAND-STOCKPILE-1

Tgt Ion: 43 Resp: 3057

Ion Ratio Lower Upper

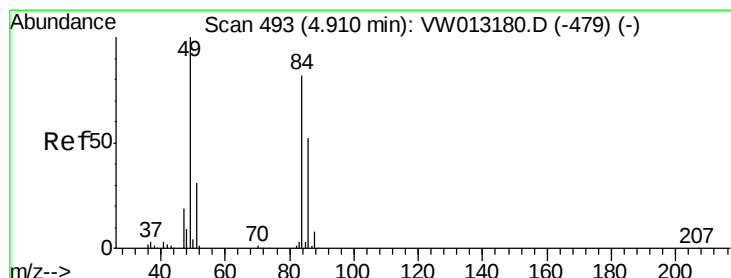
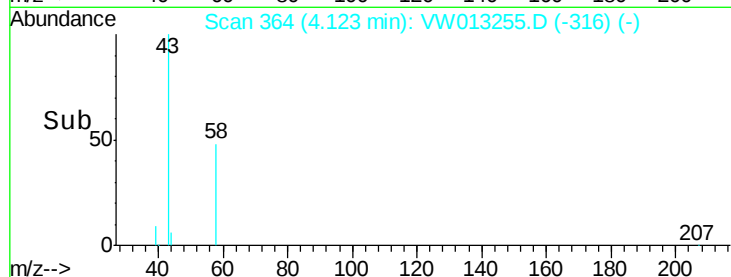
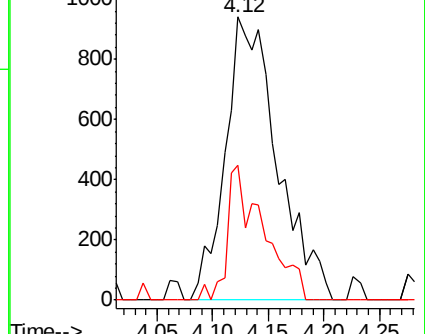
43 100

58 47.7 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 3.067 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

Tgt Ion: 84 Resp: 19836

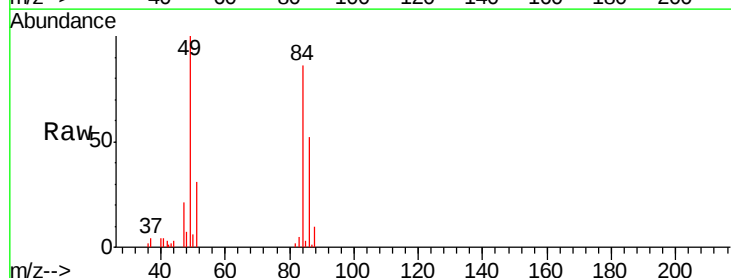
Ion Ratio Lower Upper

84 100

49 116.6 97.6 146.4

51 36.0 30.2 45.2

86 60.7 50.6 76.0

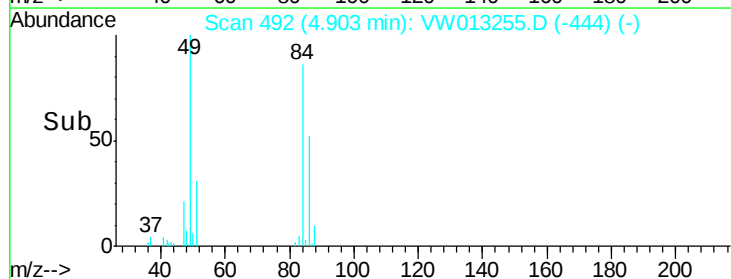
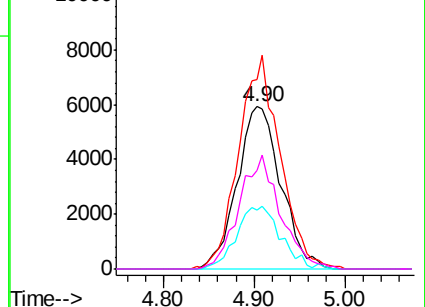


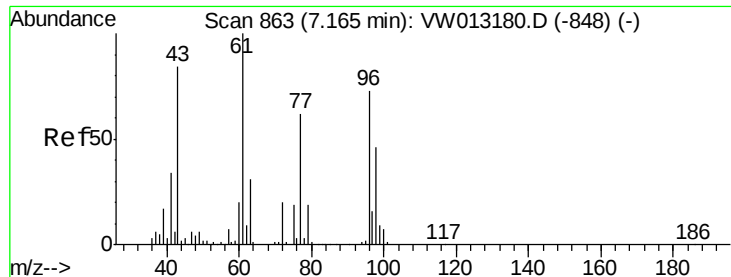
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

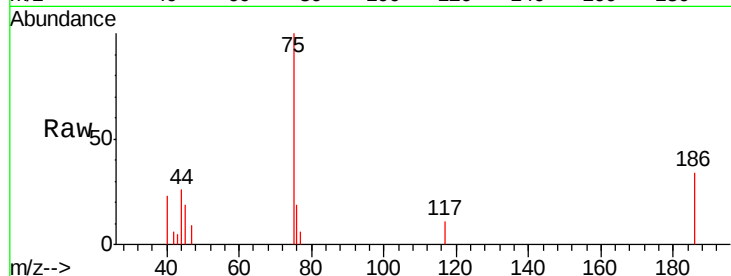
SAND-STOCKPILE-1

Tgt Ion: 77 Resp: 23

Ion Ratio Lower Upper

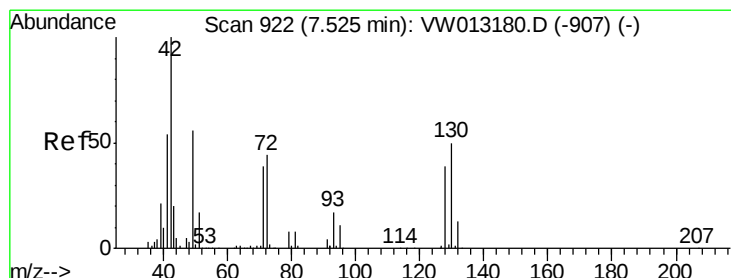
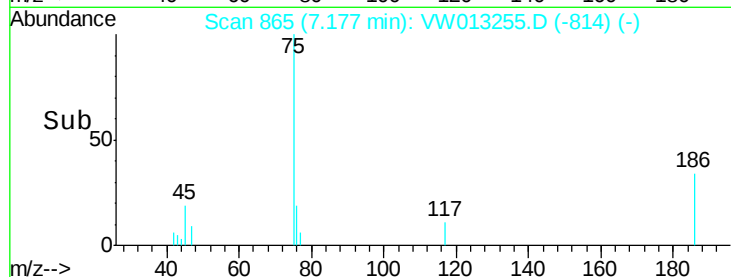
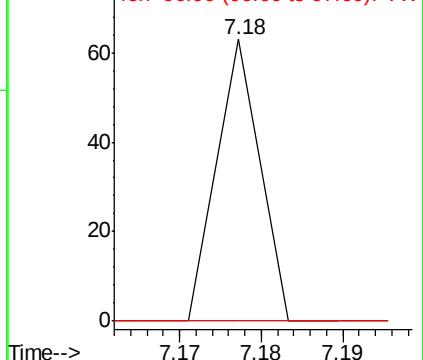
77 100

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: 10.986 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

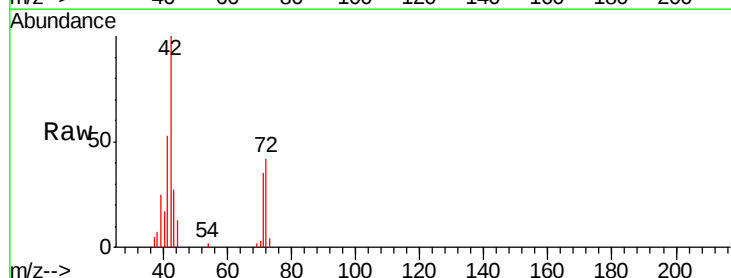
Tgt Ion: 42 Resp: 6771

Ion Ratio Lower Upper

42 100

72 42.8 33.9 50.9

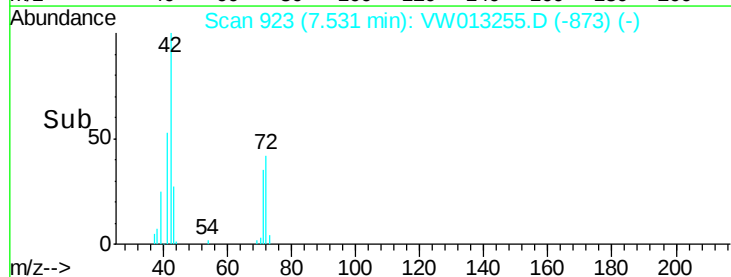
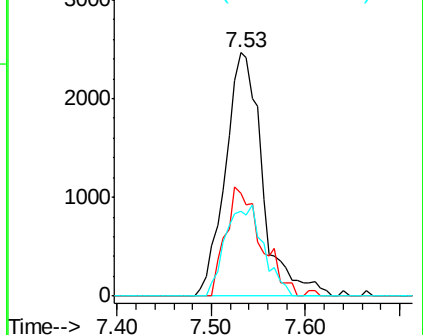
71 38.0 31.9 47.9

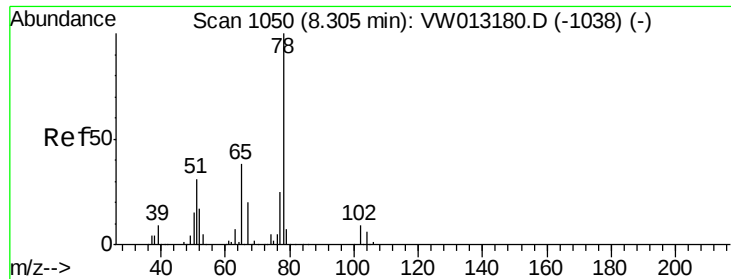


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#33

1,2-Dichloroethane-d4

Concen: 54.133 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

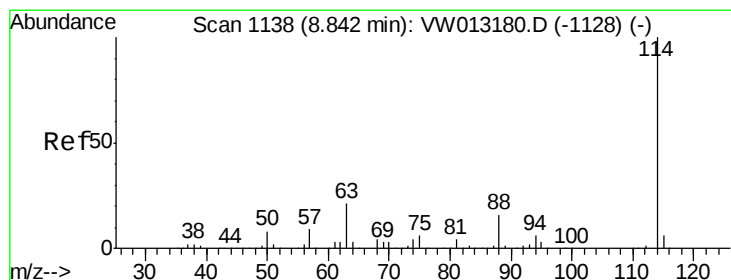
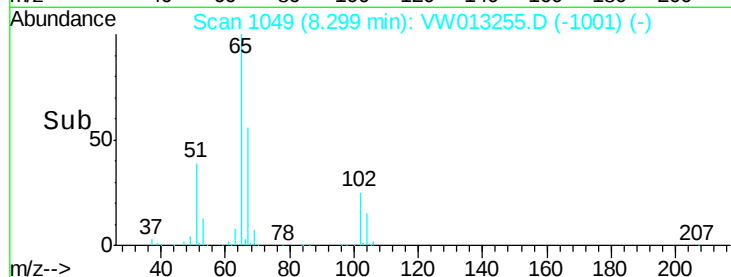
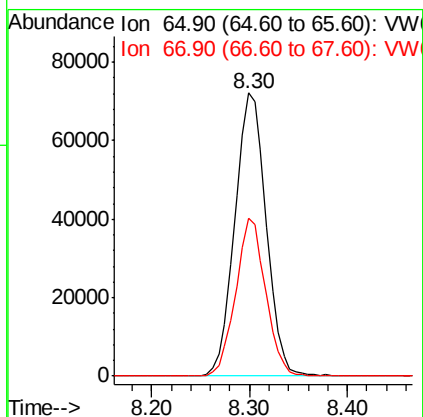
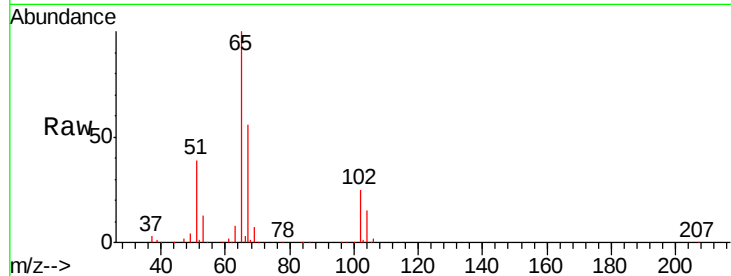
SAND-STOCKPILE-1

Tgt Ion: 65 Resp: 160703

Ion Ratio Lower Upper

65 100

67 53.3 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: VW013255.D

Acq: 24 Sep 2019 03:46

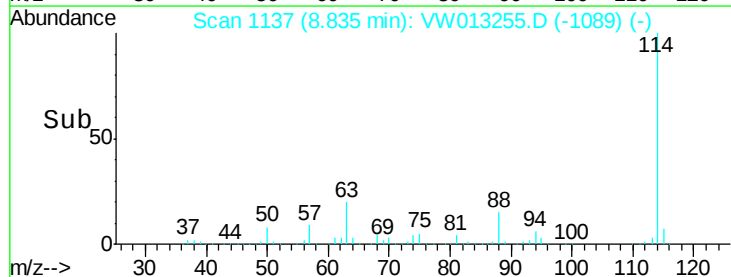
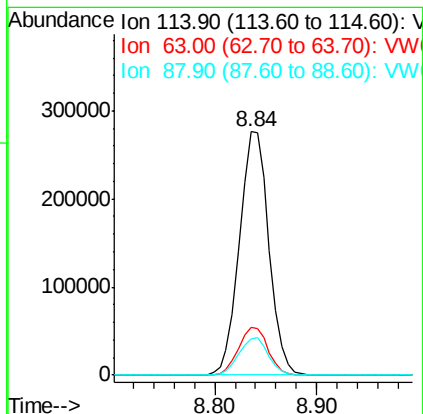
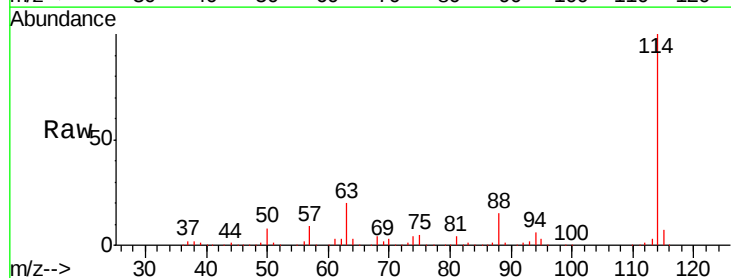
Tgt Ion: 114 Resp: 552678

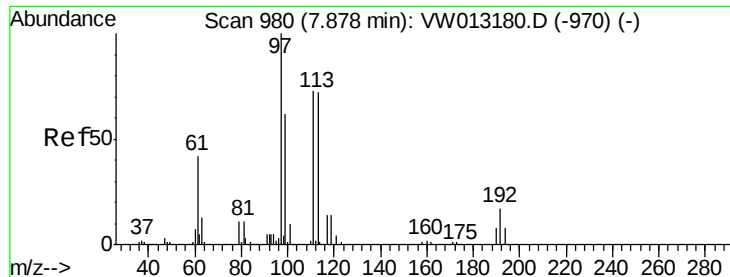
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

88 15.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.360 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

SAND-STOCKPILE-1

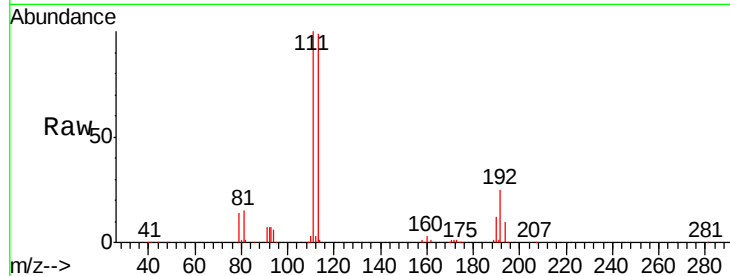
Tgt Ion:113 Resp: 153081

Ion Ratio Lower Upper

113 100

111 104.2 81.9 122.9

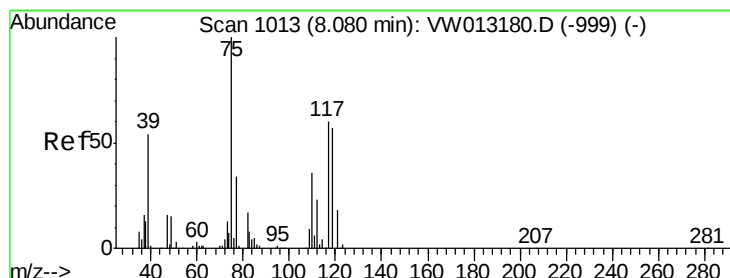
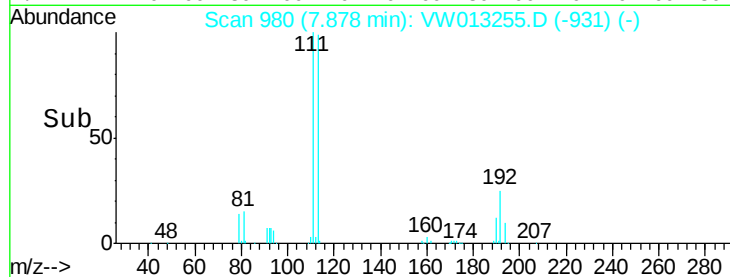
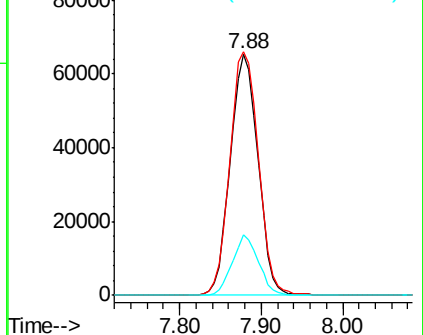
192 23.6 19.1 28.7



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: 4.477 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

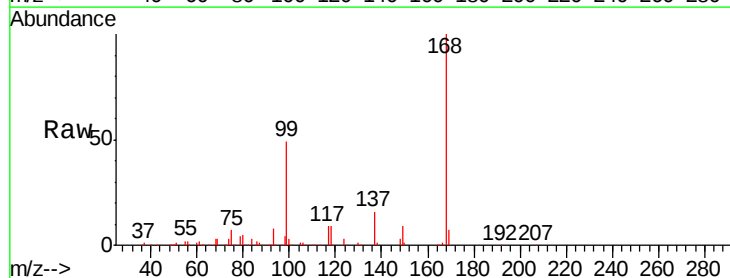
Tgt Ion: 75 Resp: 23964

Ion Ratio Lower Upper

75 100

110 7.5 18.1 54.3#

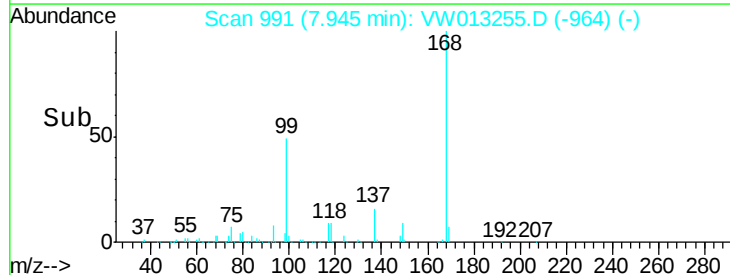
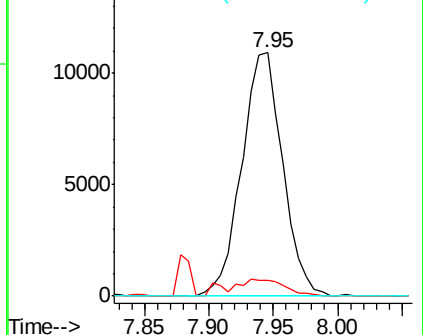
77 0.0 25.8 38.6#

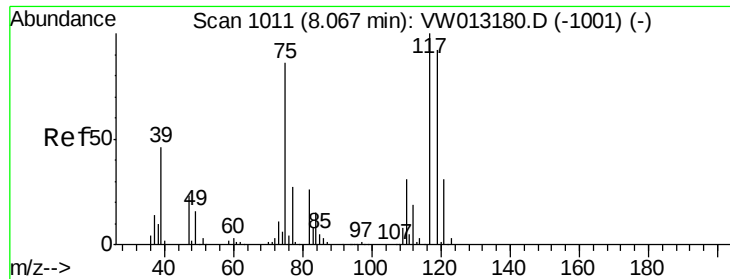


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.460 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

SAND-STOCKPILE-1

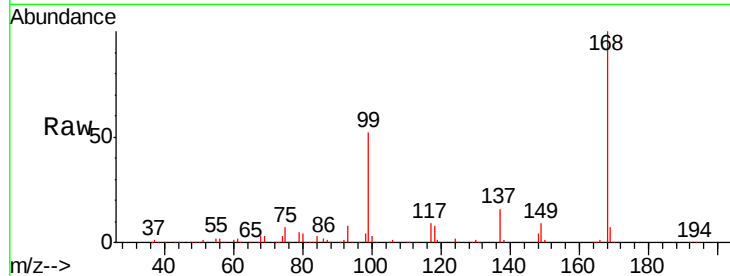
Tgt Ion:117 Resp: 31000

Ion Ratio Lower Upper

117 100

119 6.5 73.5 110.3#

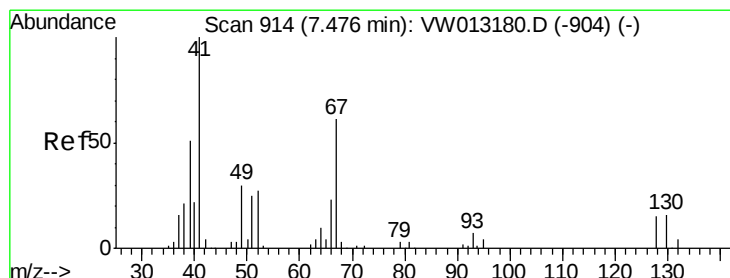
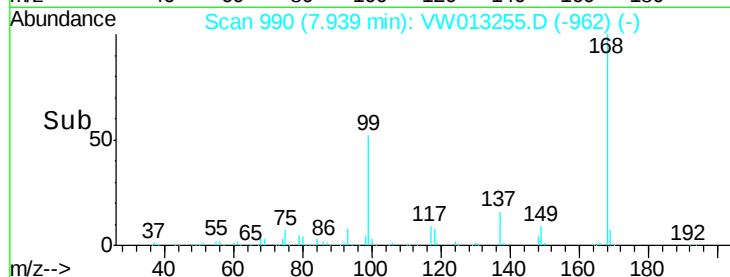
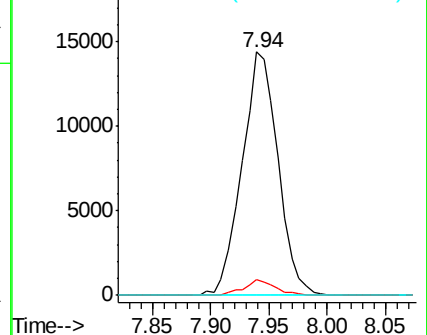
121 0.0 25.0 37.6#



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: 2.912 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.07 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

Tgt Ion: 41 Resp: 3954

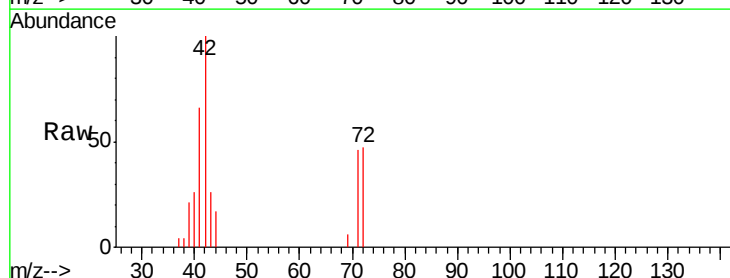
Ion Ratio Lower Upper

41 100

39 42.6 45.9 68.9#

67 0.0 54.5 81.7#

52 0.0 22.5 33.7#

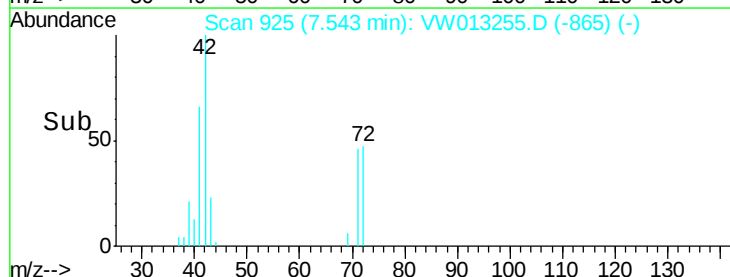
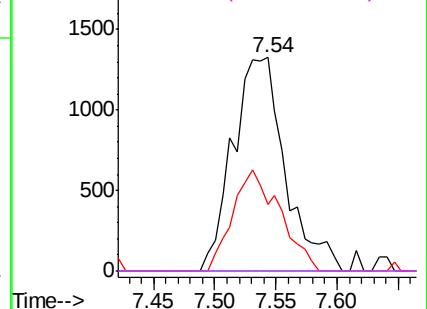


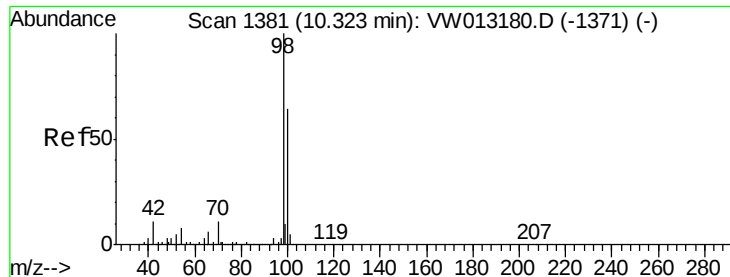
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 52.685 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

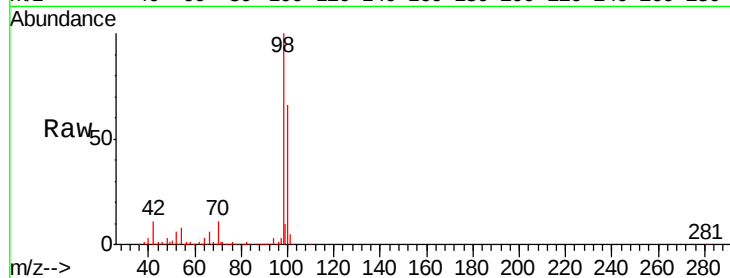
SAND-STOCKPILE-1

Tgt Ion: 98 Resp: 670239

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

400000

300000

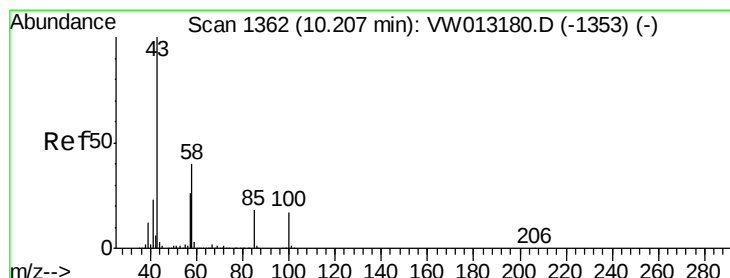
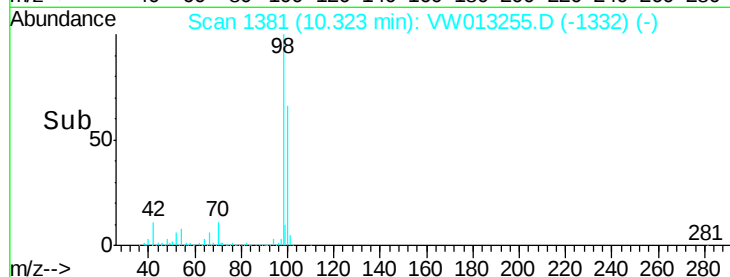
200000

100000

0

Time-->

10.20 10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.320 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013255.D

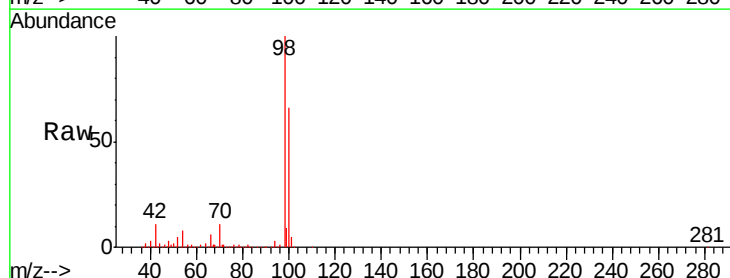
Acq: 24 Sep 2019 03:46

Tgt Ion: 43 Resp: 2885

Ion Ratio Lower Upper

43 100

58 183.4 31.7 47.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

3000

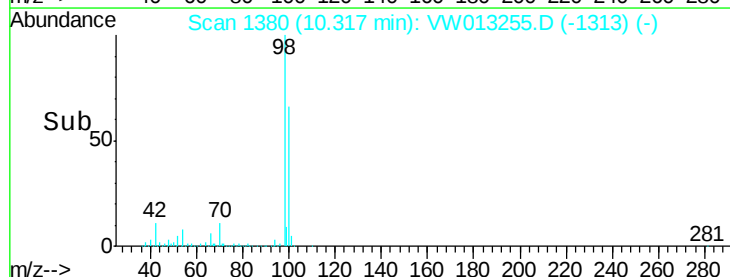
2000

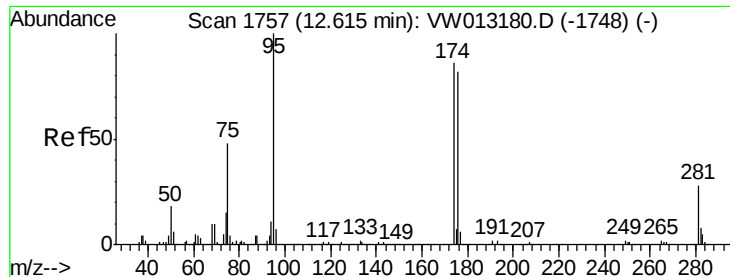
1000

0

Time-->

10.25 10.30 10.35





#62

4-Bromofluorobenzene

Concen: 48.958 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

SAND-STOCKPILE-1

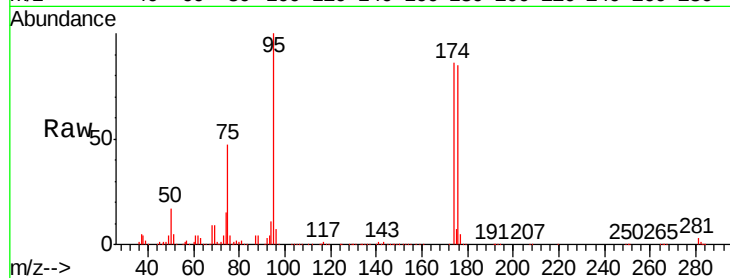
Tgt Ion: 95 Resp: 212750

Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.4

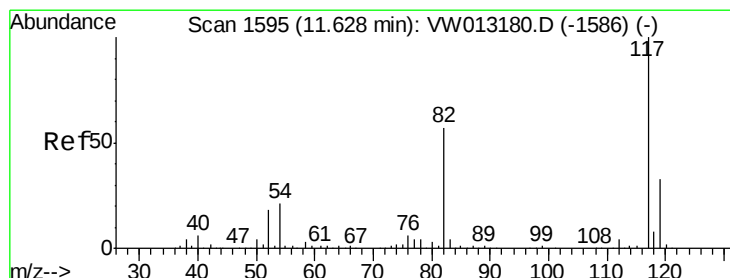
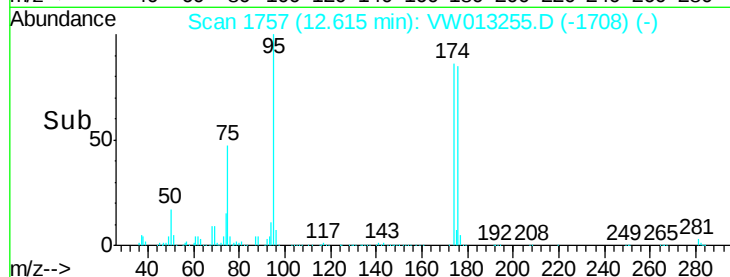
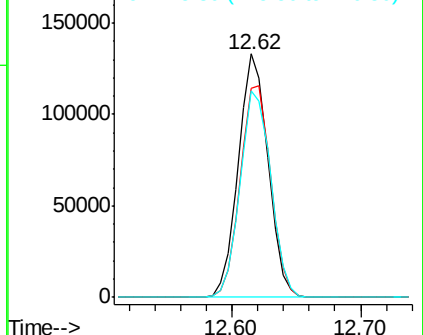
176 87.4 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

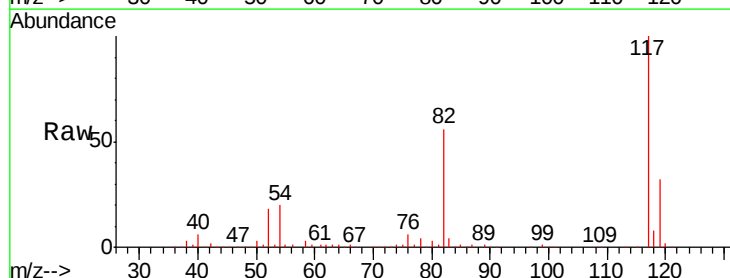
Tgt Ion: 117 Resp: 495911

Ion Ratio Lower Upper

117 100

82 56.4 45.9 68.9

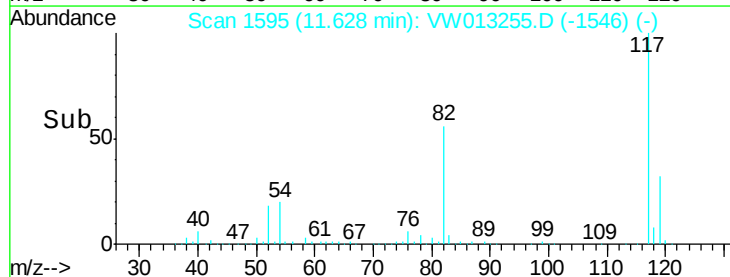
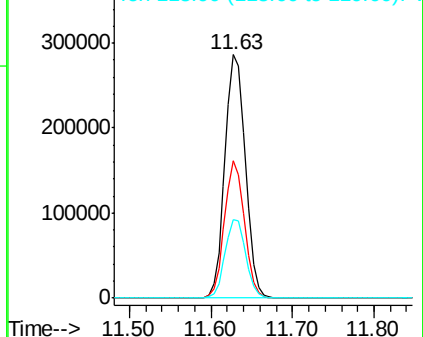
119 32.5 26.2 39.2

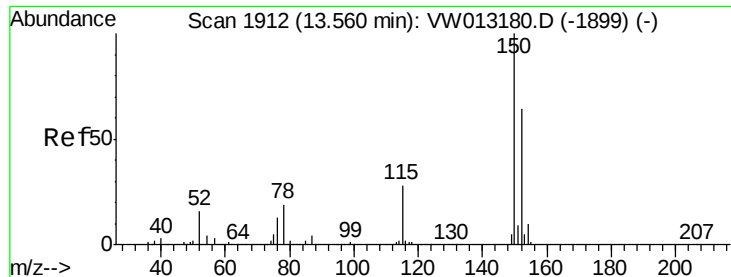


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

SAND-STOCKPILE-1

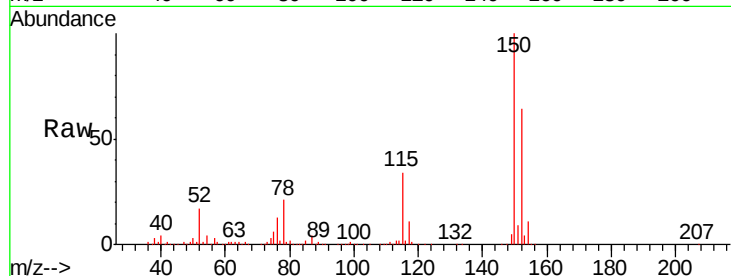
Tgt Ion:152 Resp: 205650

Ion Ratio Lower Upper

152 100

115 53.7 27.3 81.9

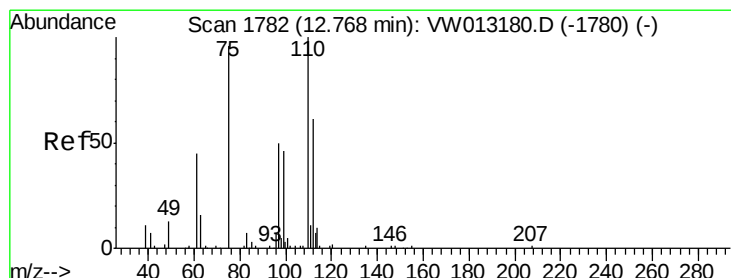
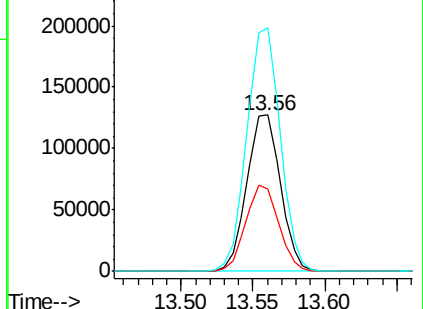
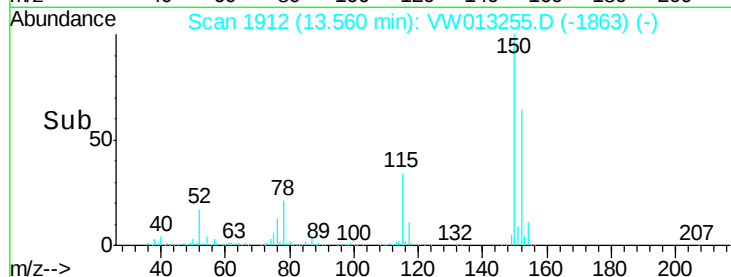
150 154.8 0.0 349.0



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: 55.652 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013255.D

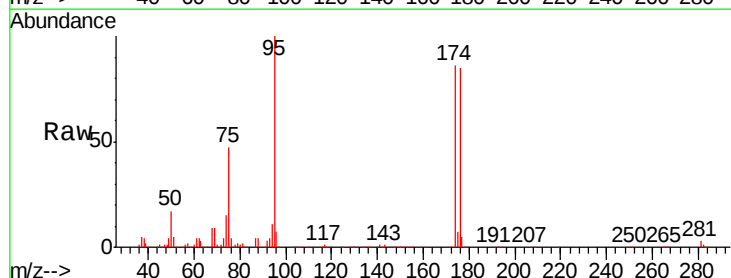
Acq: 24 Sep 2019 03:46

Tgt Ion: 75 Resp: 101073

Ion Ratio Lower Upper

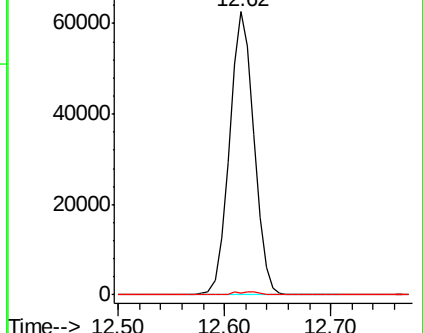
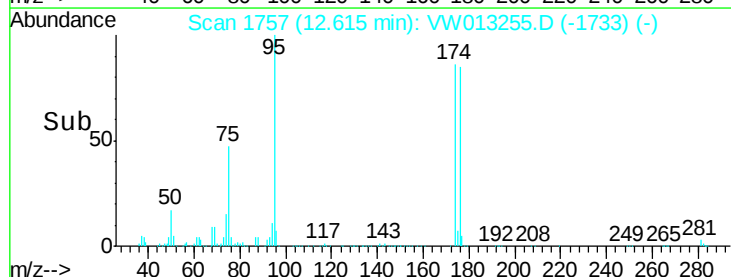
75 100

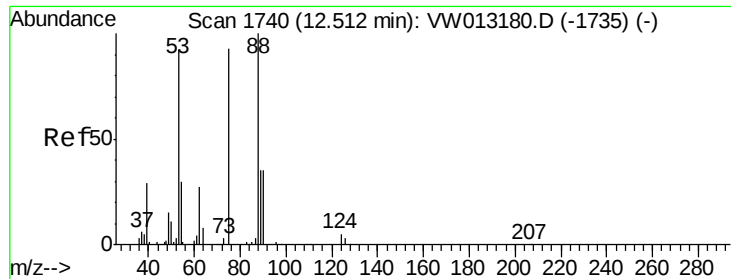
77 1.3 0.0 0.0#



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: 124.878 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013255.D

Acq: 24 Sep 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

SAND-STOCKPILE-1

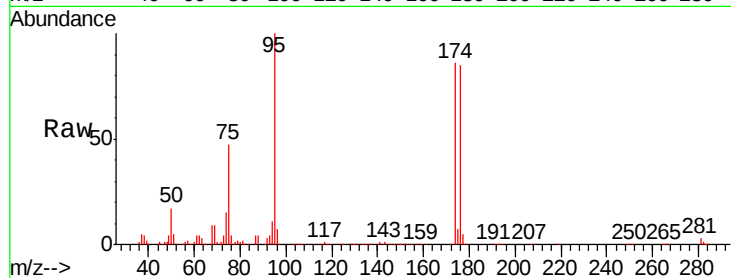
Tgt Ion: 75 Resp: 101073

Ion Ratio Lower Upper

75 100

53 0.0 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

