

Data File : VW008726.D
Acq On : 18 Feb 2019 14:11
Operator : SY/VA
Sample : K1514-02RE
Misc : 4.67G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-004-CLEARBROOK-PILE-1

Quant Time: Feb 19 03:30:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	384171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	581453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	514994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	253472	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	205958	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.88	113	182689	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.32	98	686617	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.62	95	239204	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	

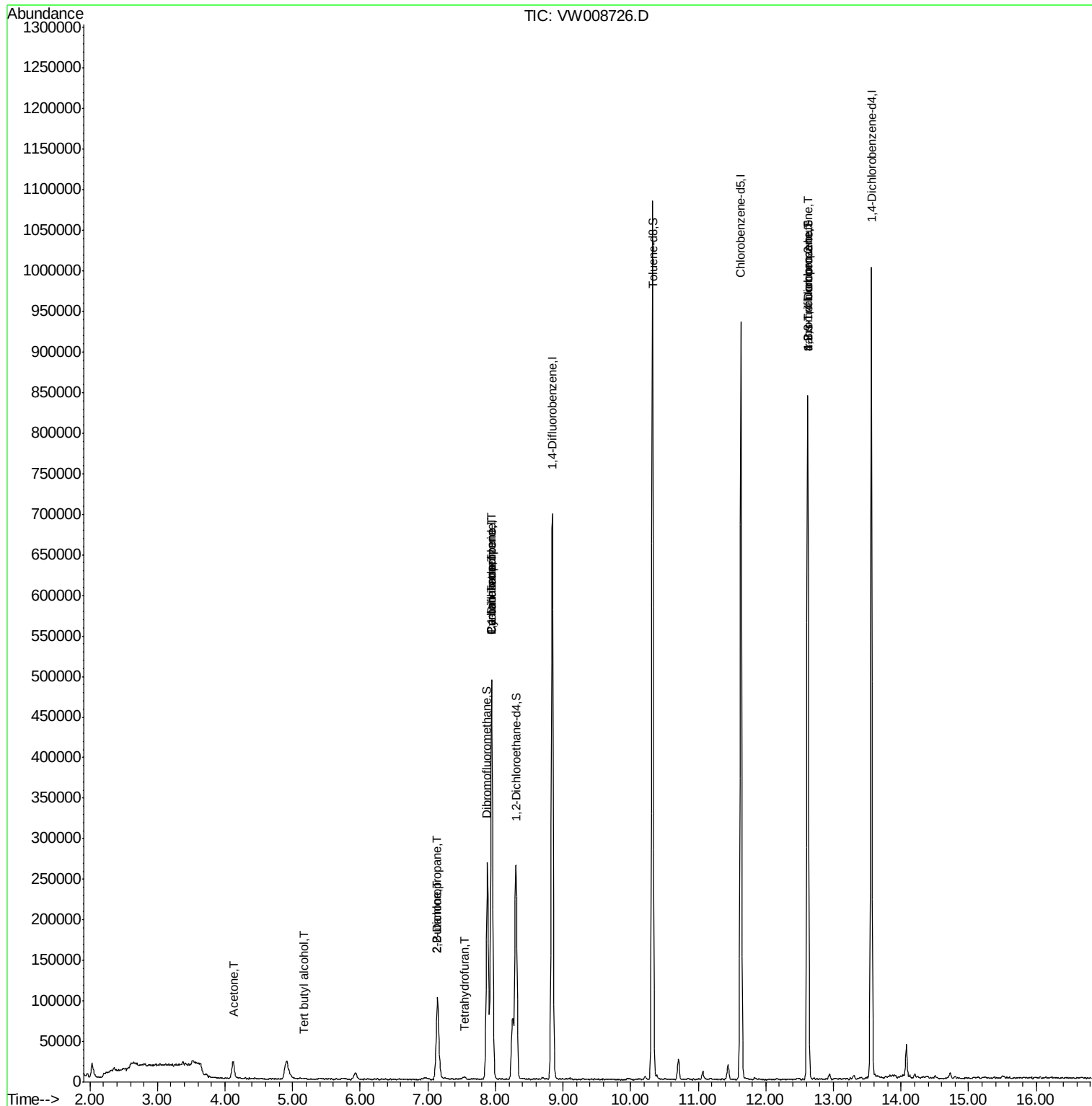
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.17	59	1997	6.249	ug/l #	80
16) Acetone	4.12	43	37643	41.418	ug/l	93
20) Methylene Chloride	4.92	84	20543	Below Cal	#	90
25) 2-Butanone	7.15	43	7769	6.054	ug/l #	86
26) 2,2-Dichloropropane	7.15	77	6929	1.533	ug/l #	52
29) Tetrahydrofuran	7.54	42	3268	3.863	ug/l #	91
31) Cyclohexane	7.94	56	8983	1.230	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	28744	4.920	ug/l #	51
38) Carbon Tetrachloride	7.95	117	37756	6.500	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	126441	50.518	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	126441	108.288	ug/l #	7

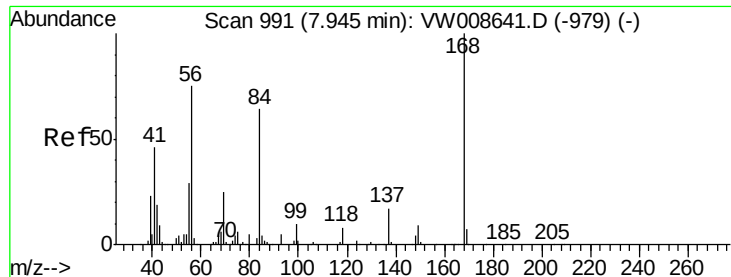
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW008726.D
Acq On : 18 Feb 2019 14:11
Operator : SY/VA
Sample : K1514-02RE
Misc : 4.67G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-004-CLEARBROOK-PILE-1

Quant Time: Feb 19 03:30:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008726.D

Acq: 18 Feb 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

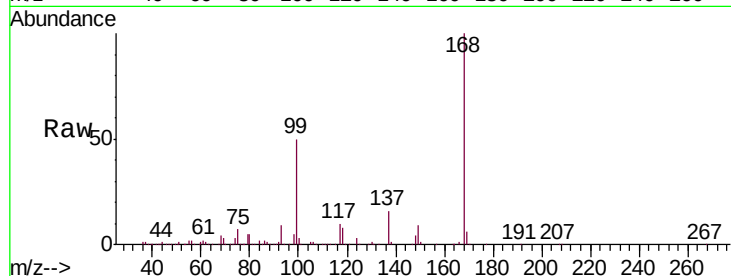
FK-BPM-004-CLEARBROOK-PILE-1

Tgt Ion:168 Resp: 384171

Ion Ratio Lower Upper

168 100

99 50.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

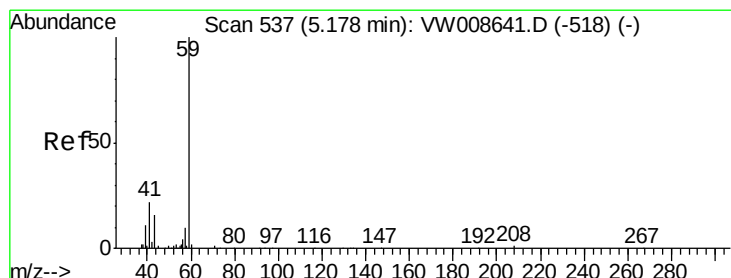
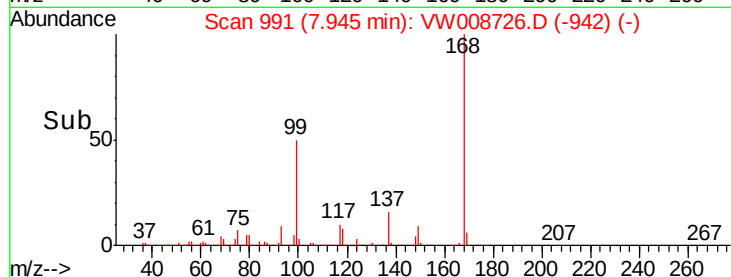
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 6.249 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW008726.D

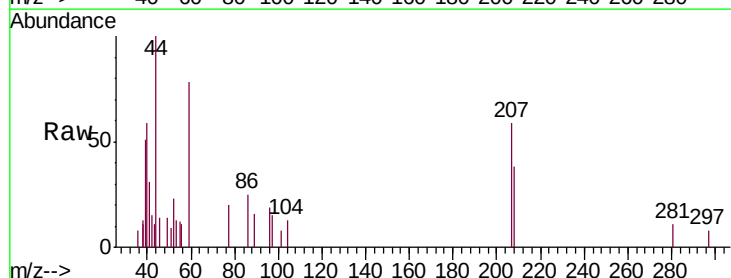
Acq: 18 Feb 2019 14:11

Tgt Ion: 59 Resp: 1997

Ion Ratio Lower Upper

59 100

57 2.8 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

600

500

400

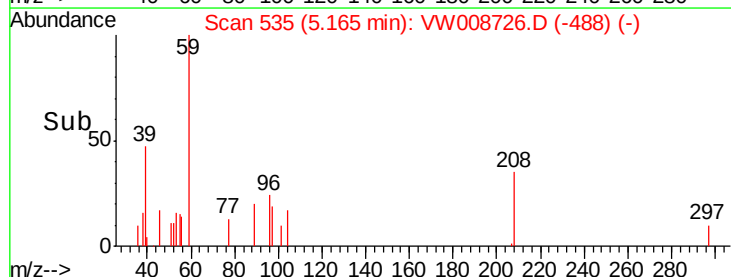
300

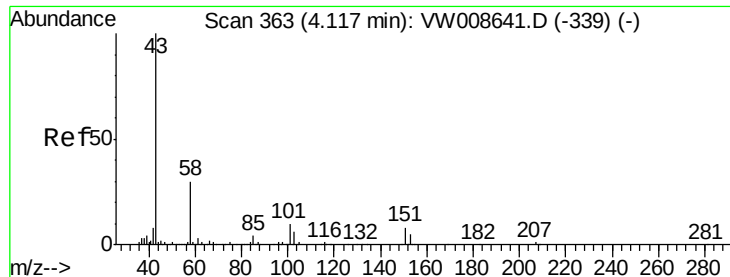
200

100

0

Time--> 5.05 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 41.418 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008726.D

Acq: 18 Feb 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

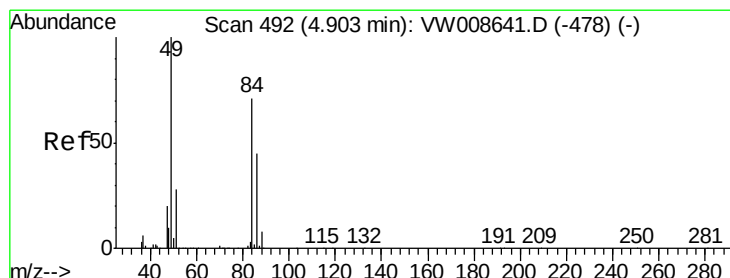
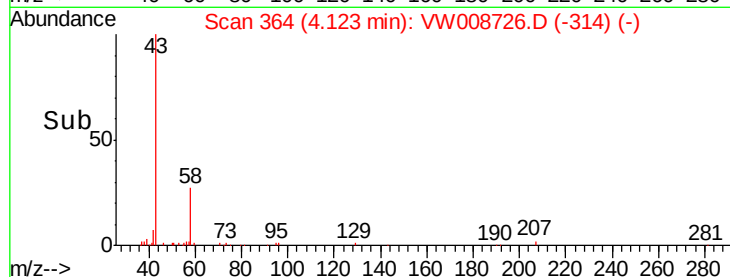
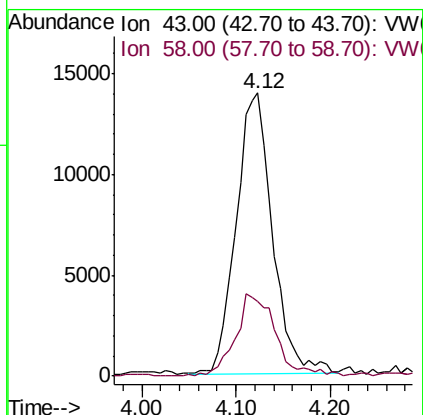
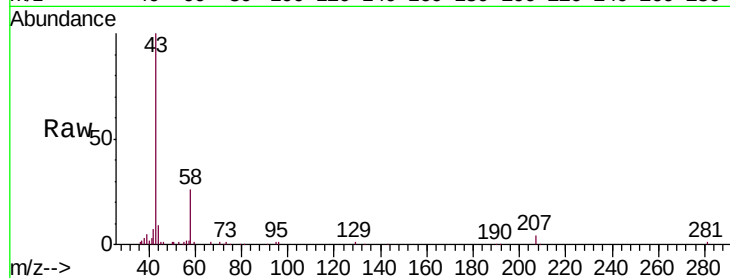
FK-BPM-004-CLEARBROOK-PILE-1

Tgt Ion: 43 Resp: 37643

Ion Ratio Lower Upper

43 100

58 26.2 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW008726.D

Acq: 18 Feb 2019 14:11

Tgt Ion: 84 Resp: 20543

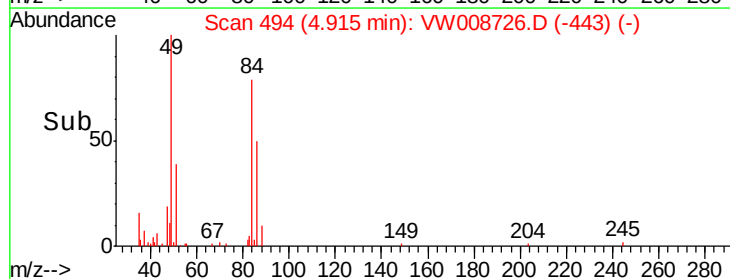
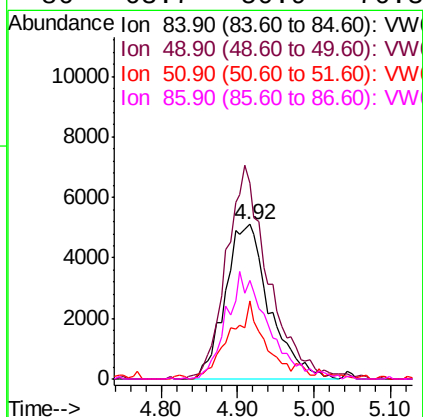
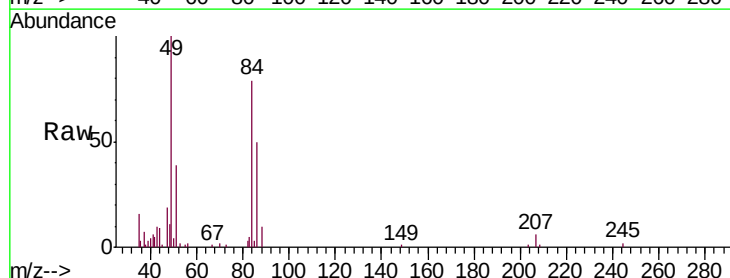
Ion Ratio Lower Upper

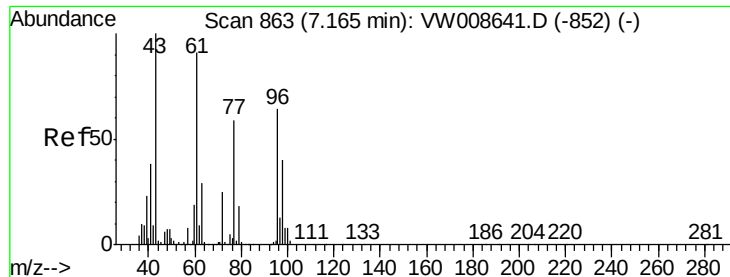
84 100

49 125.1 113.3 169.9

51 50.2 32.1 48.1#

86 63.7 50.9 76.3





#25

2-Butanone

Concen: 6.054 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008726.D

Acq: 18 Feb 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

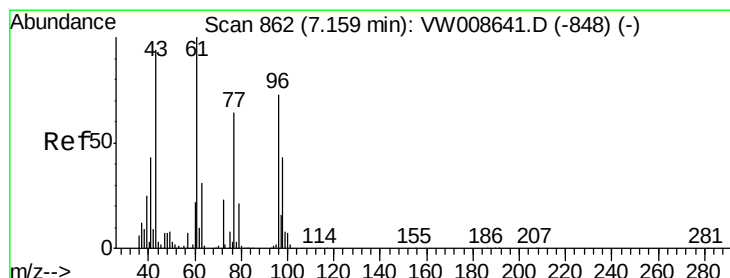
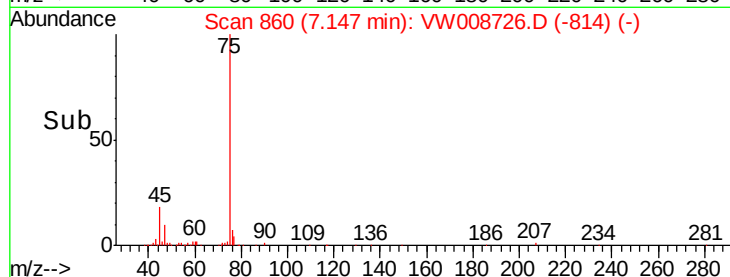
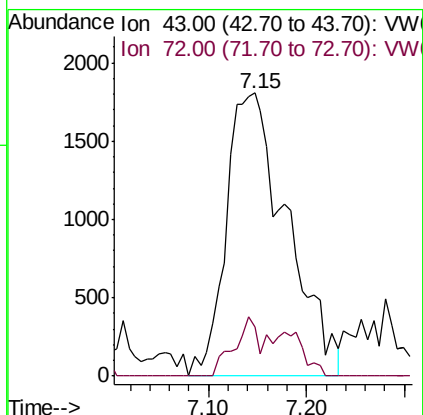
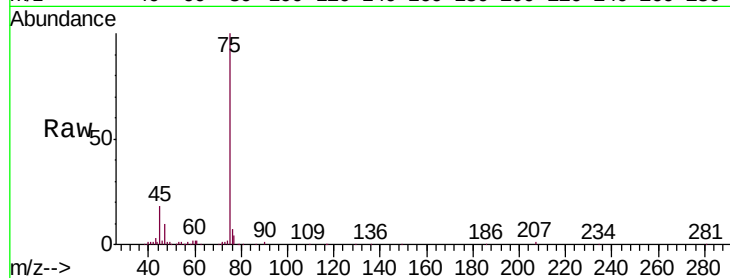
FK-BPM-004-CLEARBROOK-PILE-1

Tgt Ion: 43 Resp: 7769

Ion Ratio Lower Upper

43 100

72 17.5 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 1.533 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW008726.D

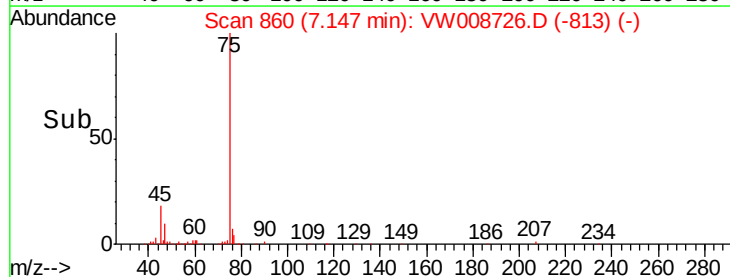
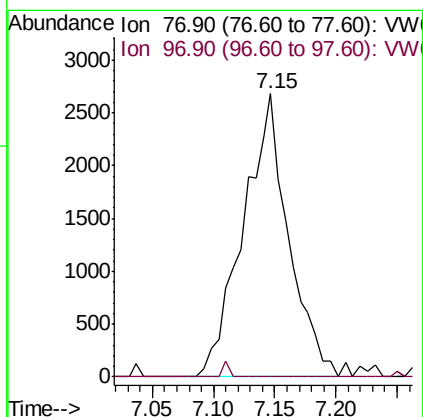
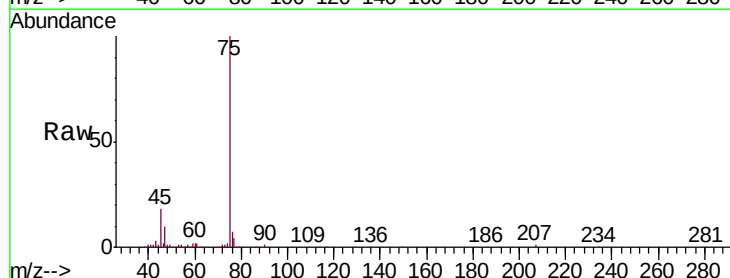
Acq: 18 Feb 2019 14:11

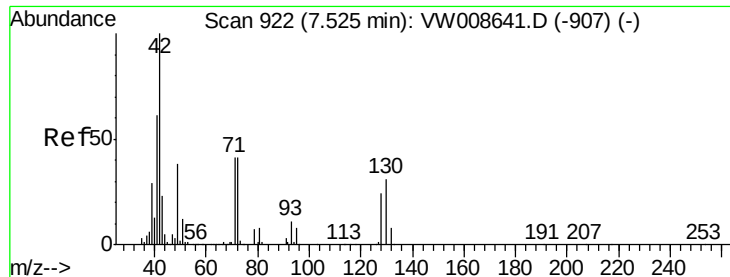
Tgt Ion: 77 Resp: 6929

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

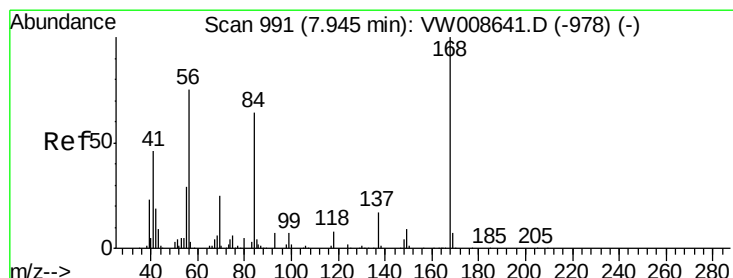
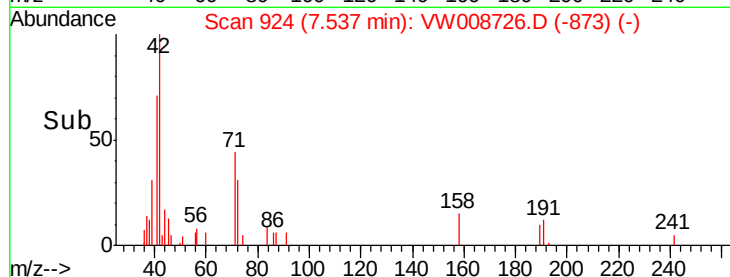
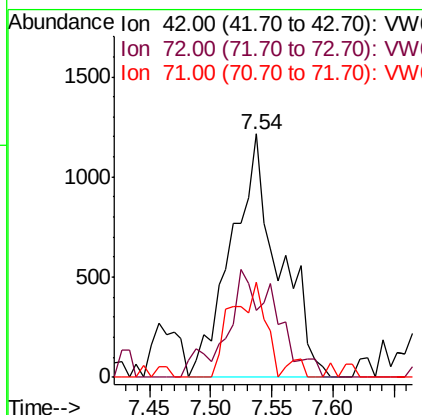
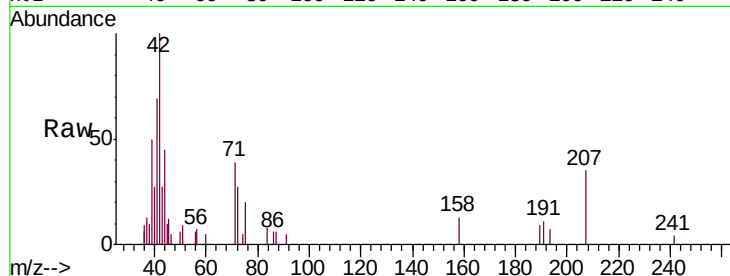




#29
Tetrahydrofuran
Concen: 3.863 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008726.D
Acq: 18 Feb 2019 14:11

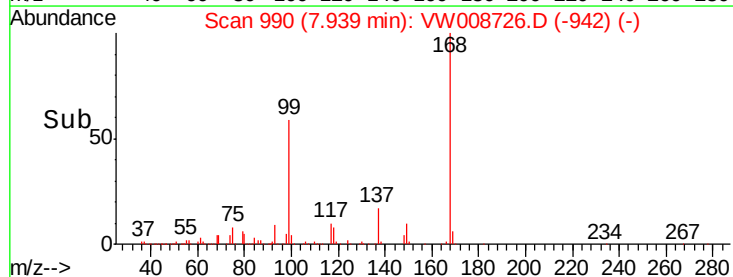
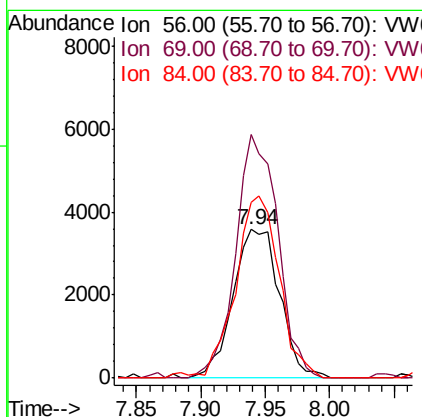
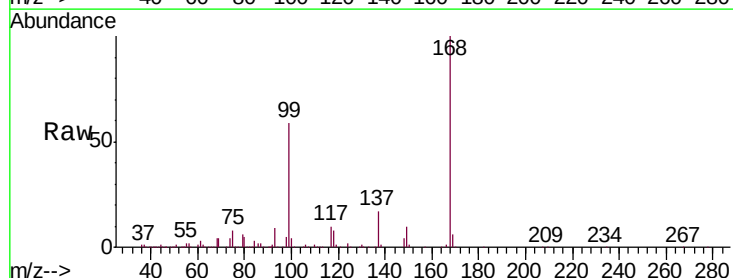
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-004-CLEARBROOK-PILE-1

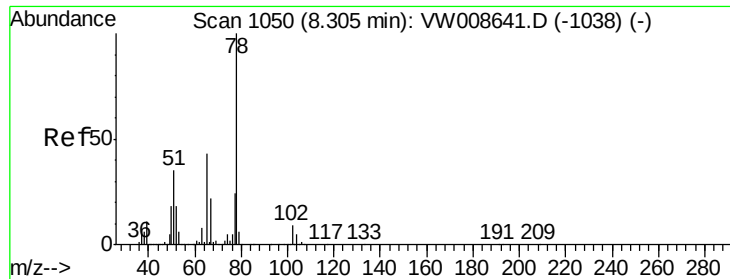
Tgt Ion: 42 Resp: 3268
Ion Ratio Lower Upper
42 100
72 41.3 32.2 48.2
71 28.5 31.0 46.6#



#31
Cyclohexane
Concen: 1.230 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008726.D
Acq: 18 Feb 2019 14:11

Tgt Ion: 56 Resp: 8983
Ion Ratio Lower Upper
56 100
69 164.0 26.4 39.6#
84 118.4 67.4 101.2#

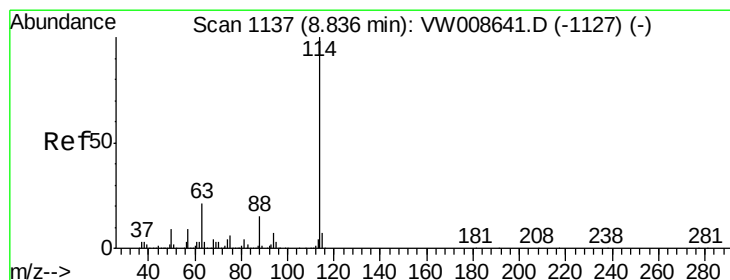
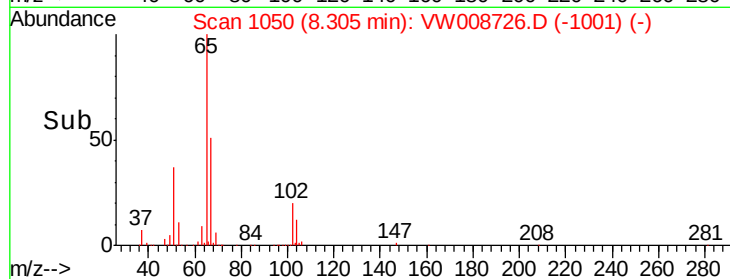
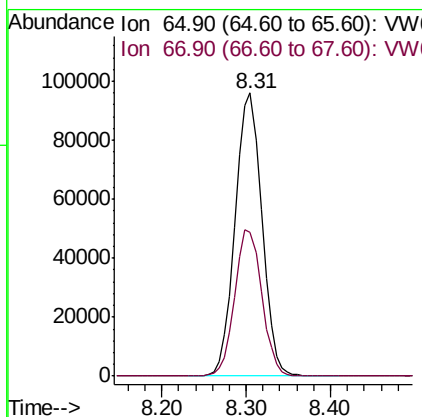
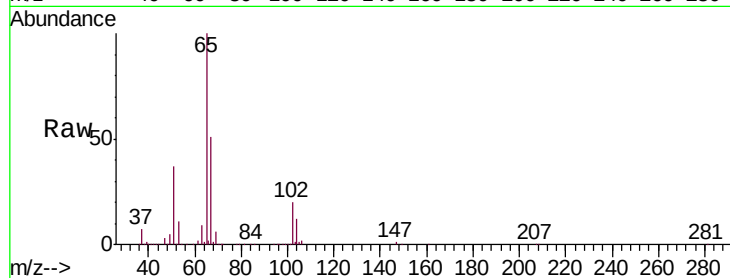




#33
 1,2-Dichloroethane-d4
 Concen: 51.567 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008726.D
 Acq: 18 Feb 2019 14:11

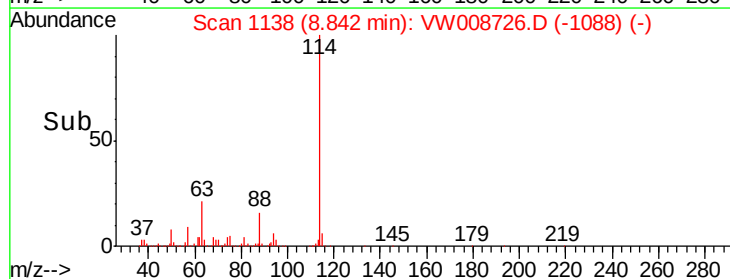
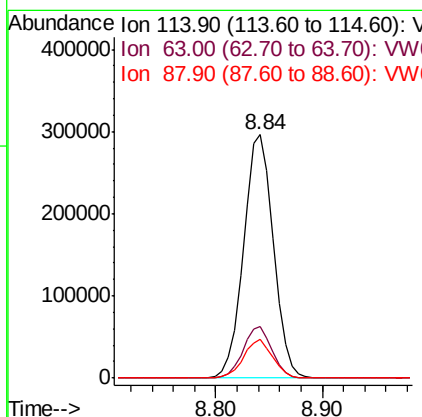
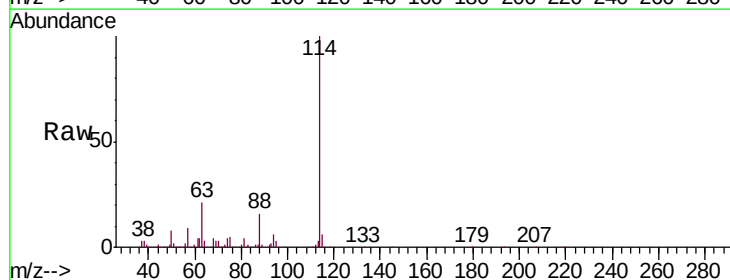
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-004-CLEARBROOK-PILE-1

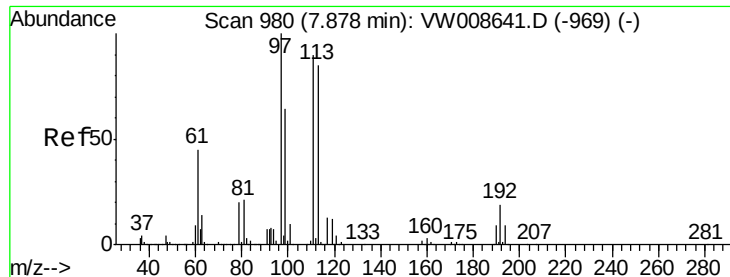
Tgt Ion: 65 Resp: 205958
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008726.D
 Acq: 18 Feb 2019 14:11

Tgt Ion: 114 Resp: 581453
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.2
 88 15.9 0.0 29.6

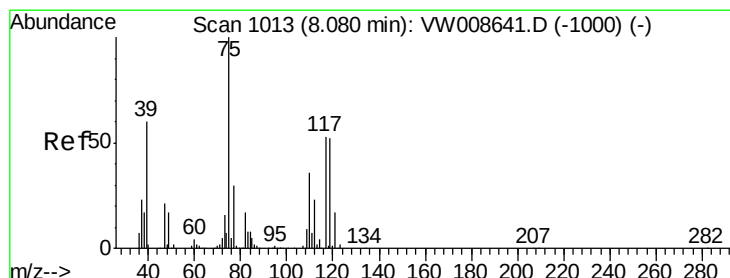
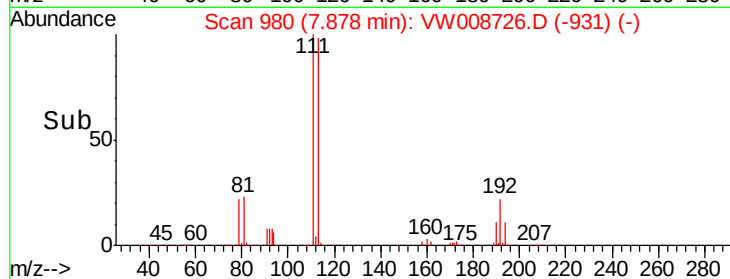
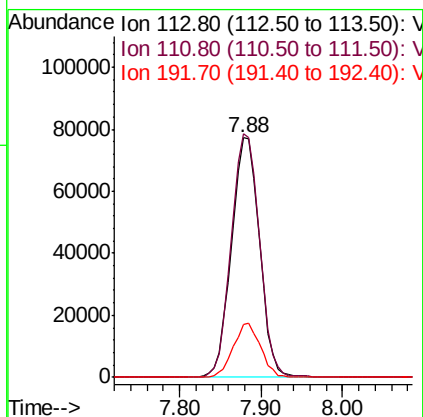
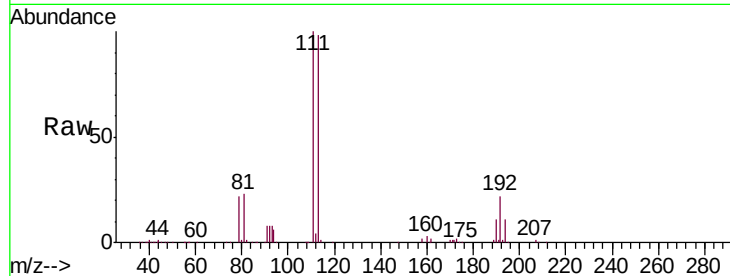




#35
 Dibromofluoromethane
 Concen: 50.600 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008726.D
 Acq: 18 Feb 2019 14:11

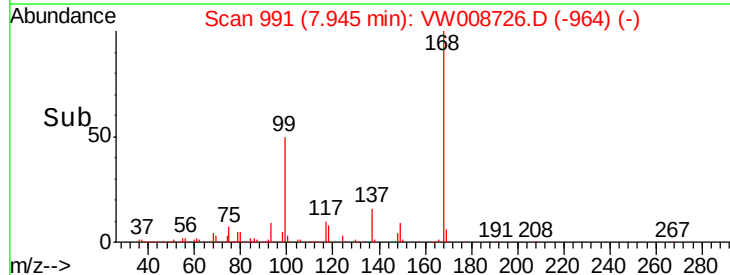
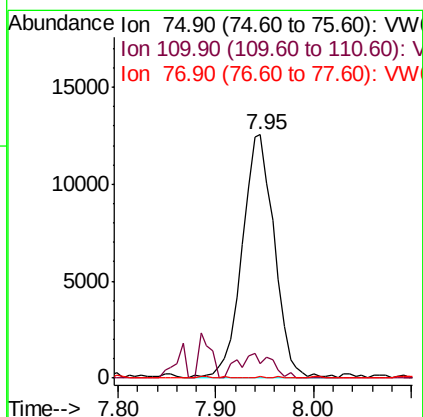
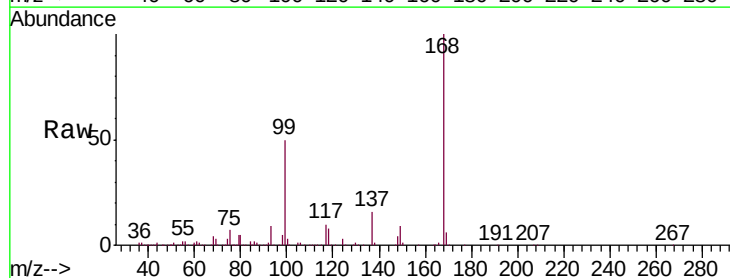
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-004-CLEARBROOK-PILE-1

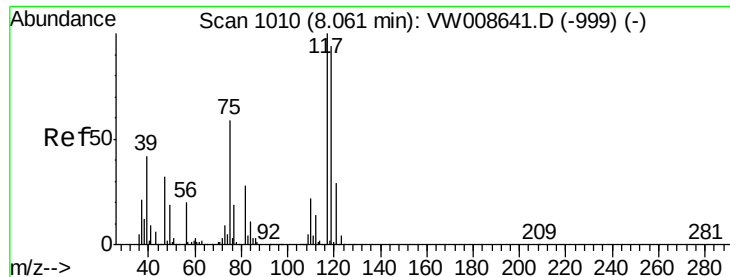
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	84.0	126.0
192	21.9	17.4	26.2



#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008726.D
 Acq: 18 Feb 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.7	17.8	53.3#
77	0.2	24.7	37.1#

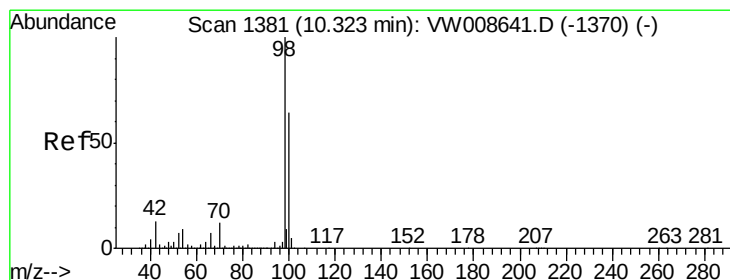
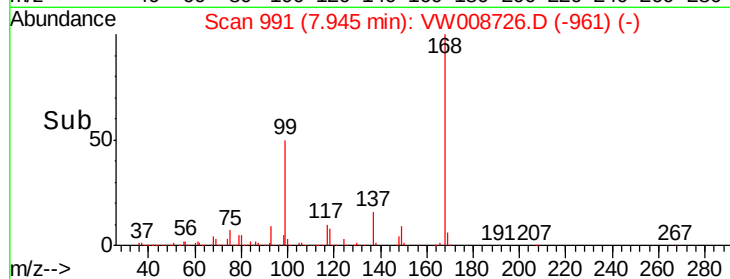
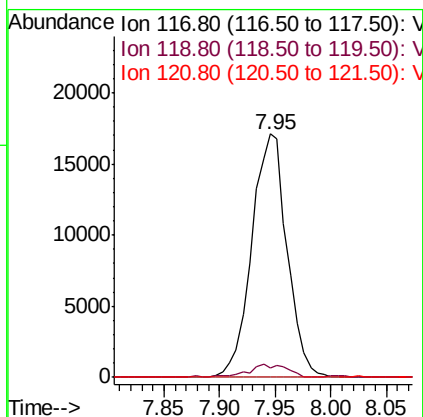
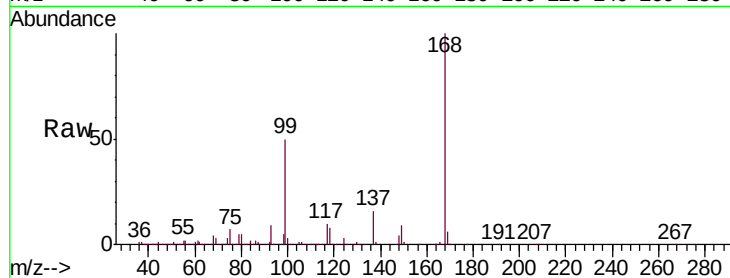




#38
Carbon Tetrachloride
Concen: 6.500 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008726.D
Acq: 18 Feb 2019 14:11

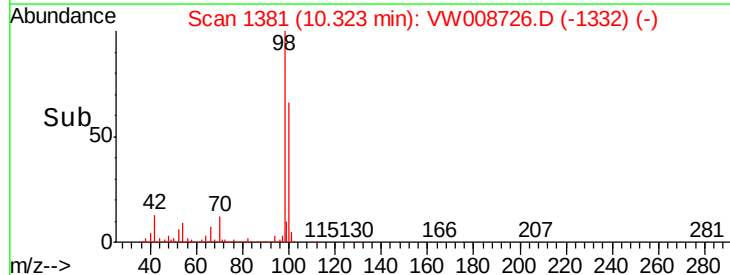
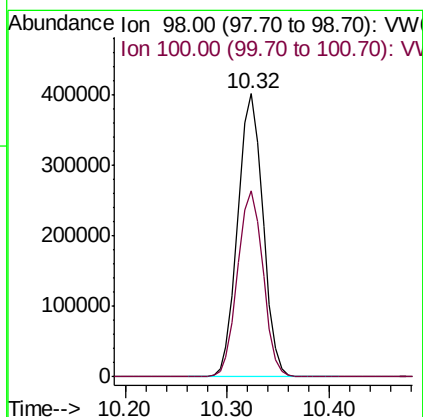
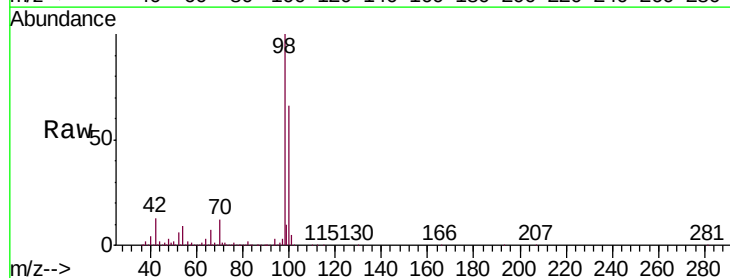
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-004-CLEARBROOK-PILE-1

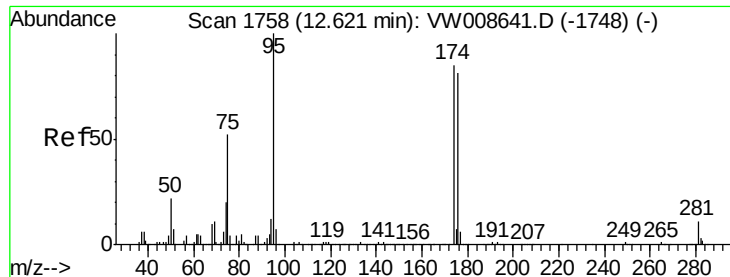
Tgt Ion:117 Resp: 37756
Ion Ratio Lower Upper
117 100
119 3.7 75.1 112.7#
121 0.3 23.5 35.3#



#50
Toluene-d8
Concen: 49.333 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008726.D
Acq: 18 Feb 2019 14:11

Tgt Ion: 98 Resp: 686617
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 45.629 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008726.D

Acq: 18 Feb 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

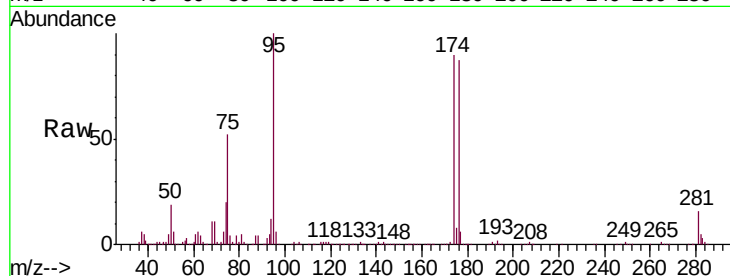
Tgt Ion: 95 Resp: 239204

Ion Ratio Lower Upper

95 100

174 87.6 0.0 163.2

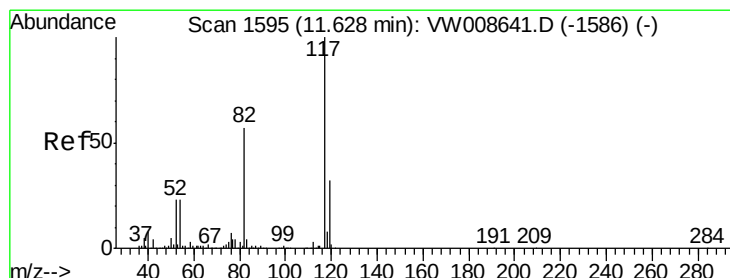
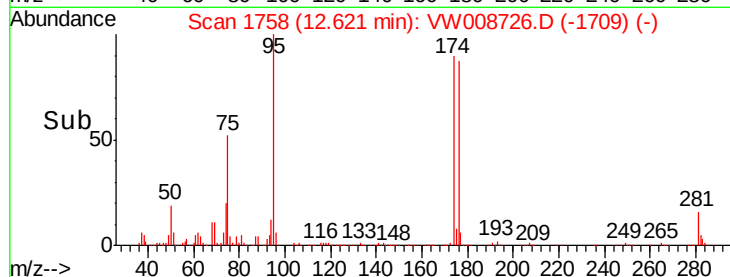
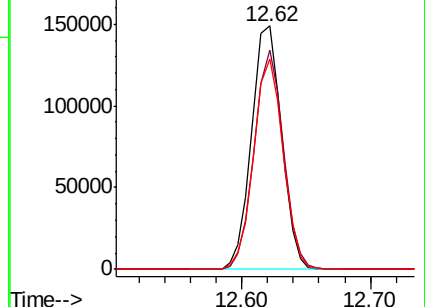
176 84.7 0.0 158.0



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# 1596

Delta R.T. 0.01 min

Lab File: VW008726.D

Acq: 18 Feb 2019 14:11

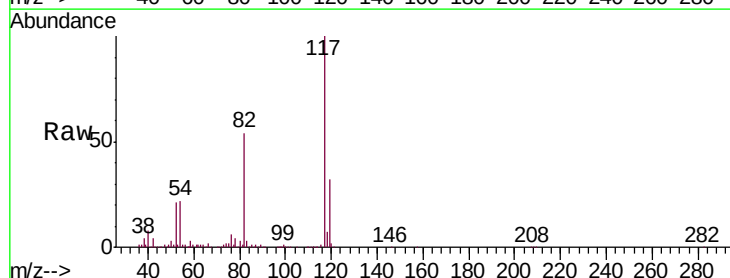
Tgt Ion: 117 Resp: 514994

Ion Ratio Lower Upper

117 100

82 54.1 45.6 68.4

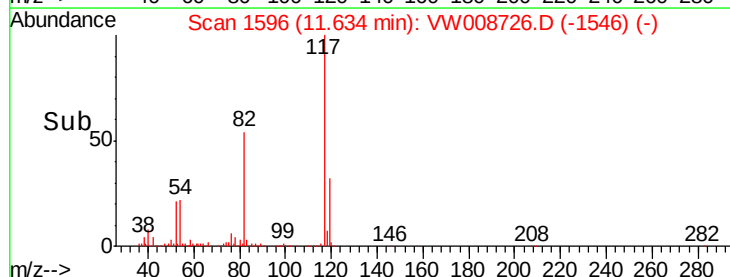
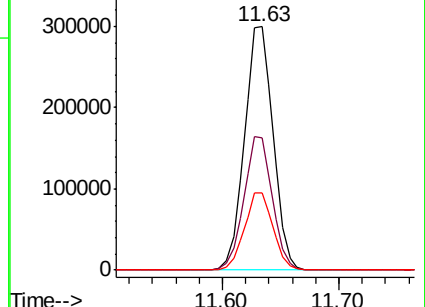
119 31.6 25.7 38.5

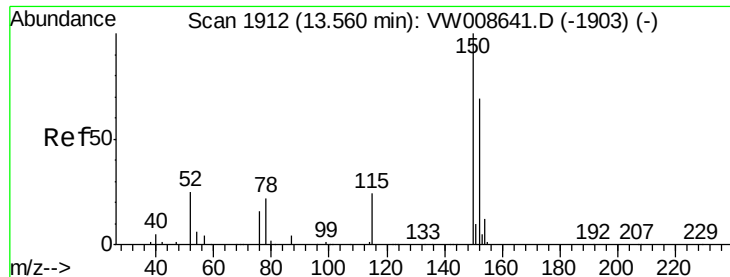


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008726.D

Acq: 18 Feb 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

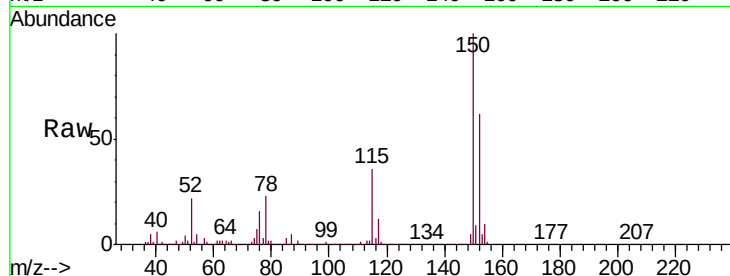
Tgt Ion: 152 Resp: 253472

Ion Ratio Lower Upper

152 100

115 56.4 29.3 87.8

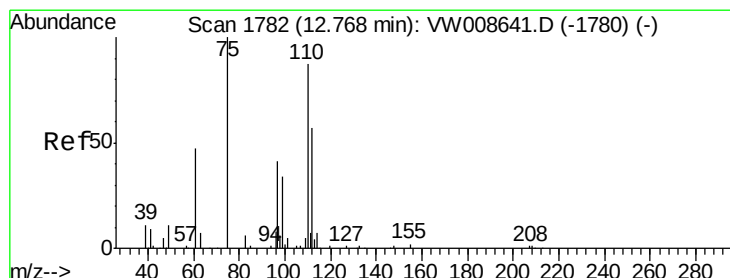
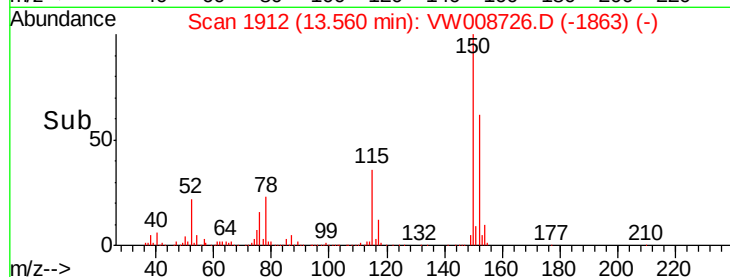
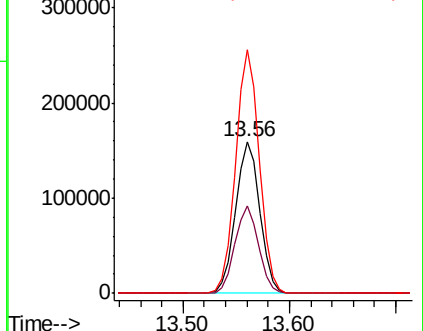
150 157.0 0.0 352.8



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: 50.518 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008726.D

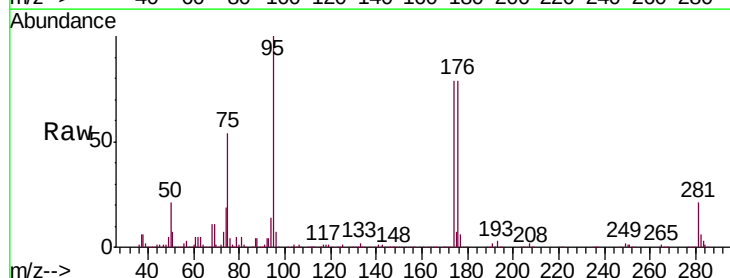
Acq: 18 Feb 2019 14:11

Tgt Ion: 75 Resp: 126441

Ion Ratio Lower Upper

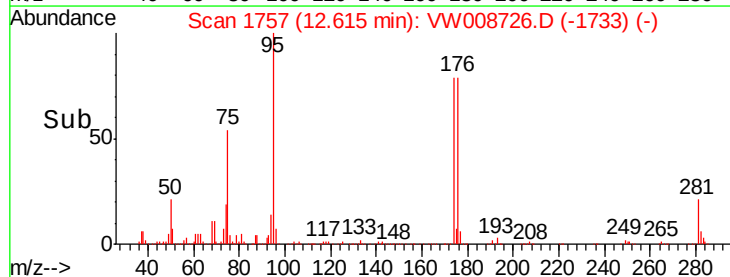
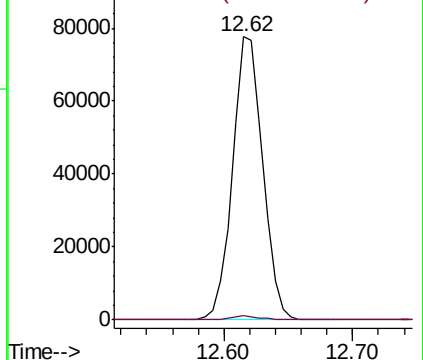
75 100

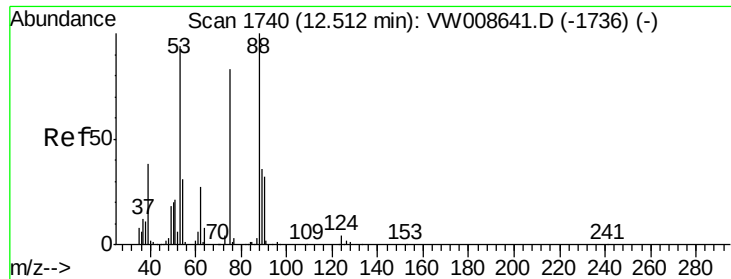
77 1.5 0.0 0.0#



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: 108.288 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008726.D

Acq: 18 Feb 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

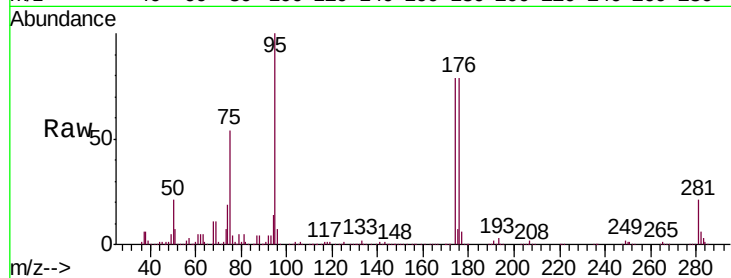
Tgt Ion: 75 Resp: 126441

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.3 37.0 55.4#



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

