

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
 Data File : VW010024.D
 Acq On : 17 Apr 2019 18:56
 Operator : SY/VA
 Sample : K2435-01RE
 Misc : 5.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BWM-S1-SOIL-PILERE

Quant Time: Apr 18 02:47:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	274760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	487654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	399928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144931	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	211847	62.48	ug/l	0.00
Spiked Amount			Recovery	=	124.96%	
35) Dibromofluoromethane	7.88	113	165380	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
50) Toluene-d8	10.32	98	533476	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	
62) 4-Bromofluorobenzene	12.62	95	163170	38.64	ug/l	0.00
Spiked Amount			Recovery	=	77.28%	

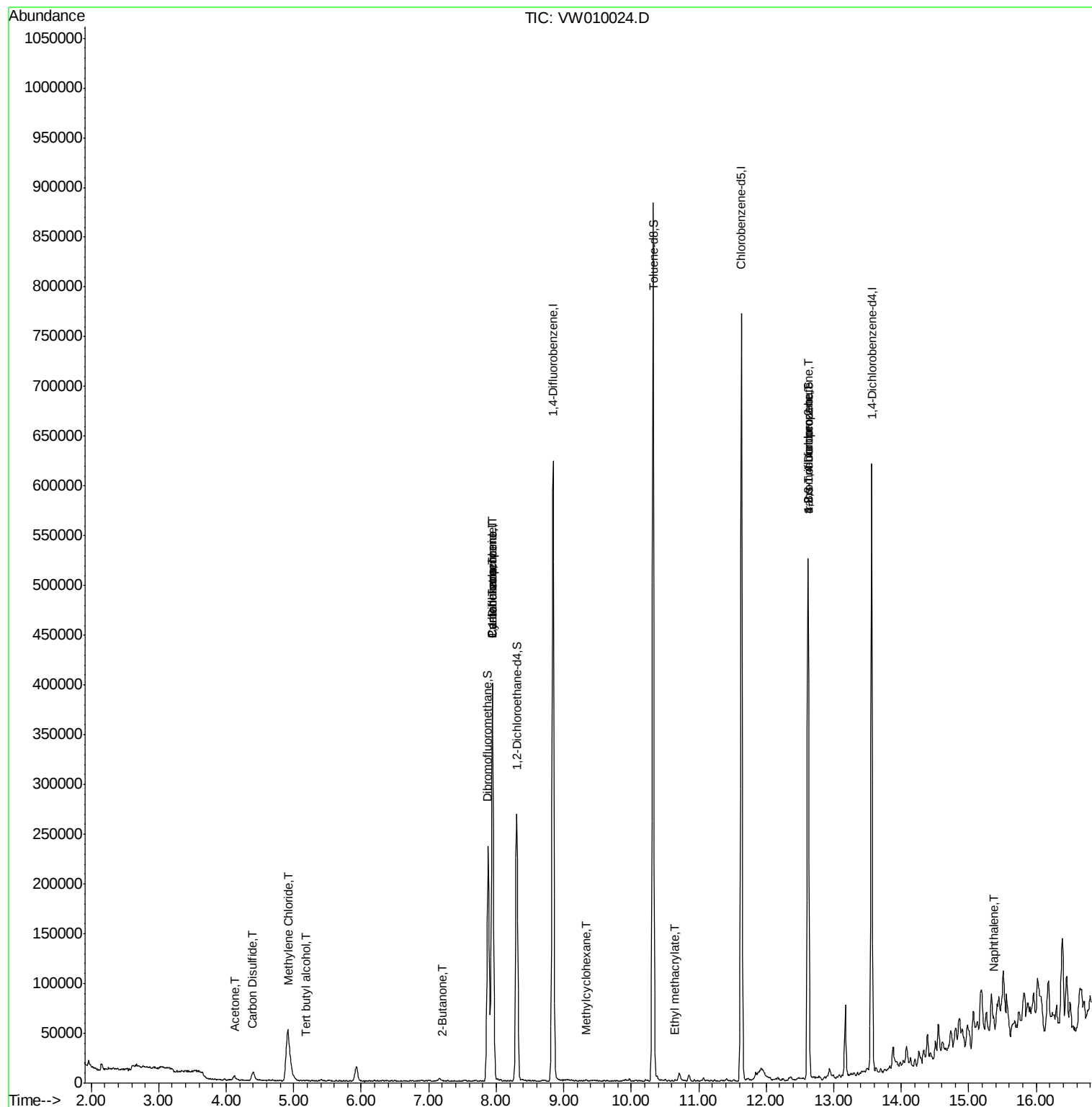
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	480	2.485	ug/l #	71
16) Acetone	4.14	43	9050	11.504	ug/l	100
17) Carbon Disulfide	4.38	76	292	1.374	ug/l #	74
20) Methylene Chloride	4.92	84	47245	12.190	ug/l	93
25) 2-Butanone	7.19	43	1324	1.281	ug/l #	51
31) Cyclohexane	7.95	56	8037	1.466	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	24481	4.915	ug/l #	50
38) Carbon Tetrachloride	7.95	117	29222	6.011	ug/l #	17
39) Methylcyclohexane	9.34	83	428	1.266	ug/l #	50
56) Ethyl methacrylate	10.64	69	126	2.675	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	89946	62.009	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89946	146.214	ug/l #	5
95) Naphthalene	15.37	128	3591	3.257	ug/l #	86

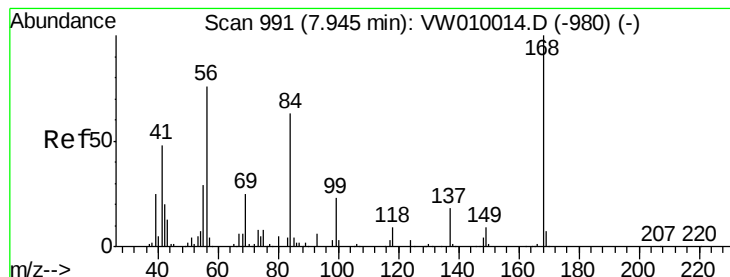
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW010024.D

Acq: 17 Apr 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

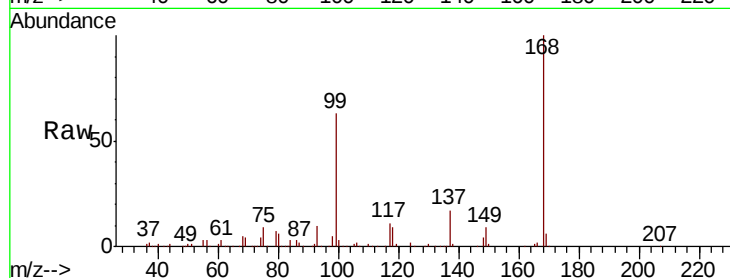
BWM-S1-SOIL-PILERE

Tgt Ion:168 Resp: 274760

Ion Ratio Lower Upper

168 100

99 62.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

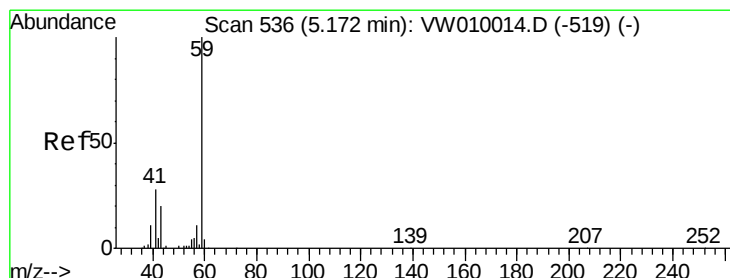
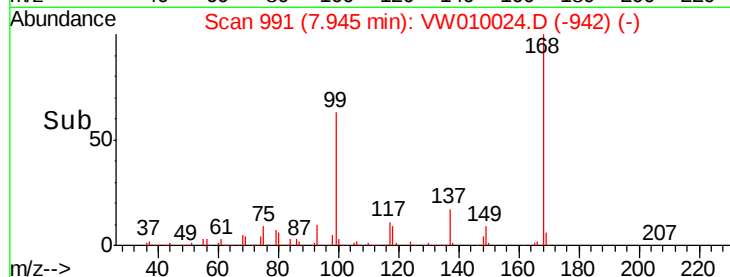
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.485 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW010024.D

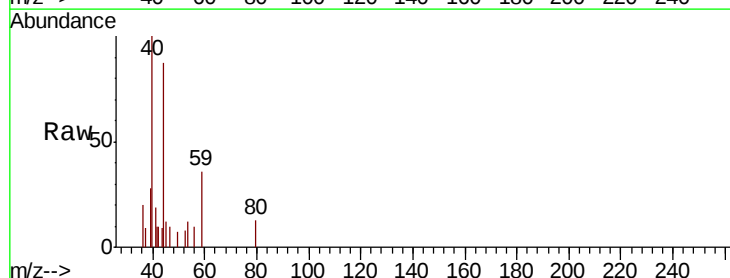
Acq: 17 Apr 2019 18:56

Tgt Ion: 59 Resp: 480

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

300

250

200

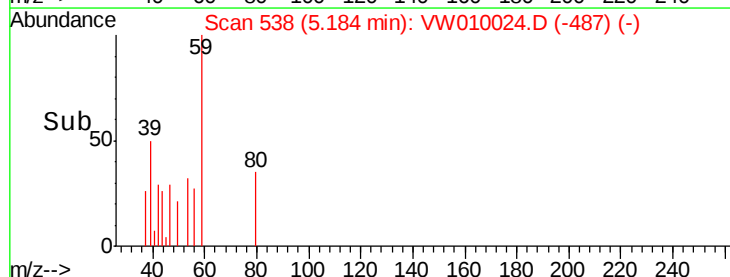
150

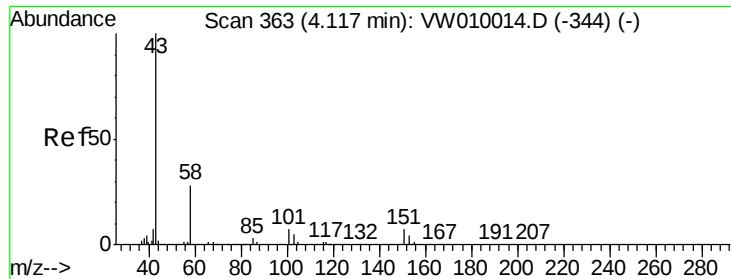
100

50

0

Time-->





#16

Acetone

Concen: 11.504 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW010024.D

Acq: 17 Apr 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

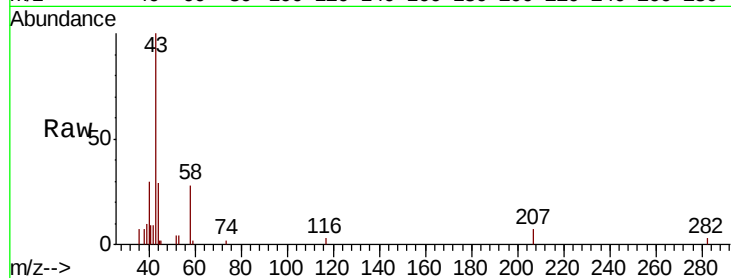
BWM-S1-SOIL-PILERE

Tgt Ion: 43 Resp: 9050

Ion Ratio Lower Upper

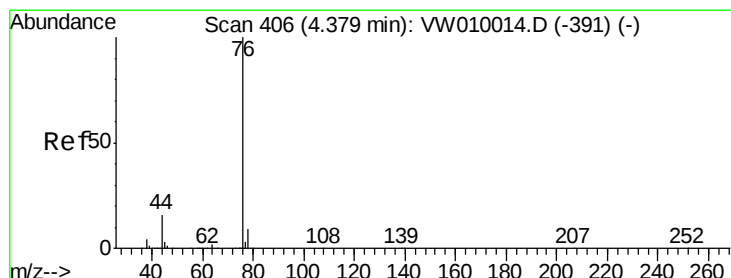
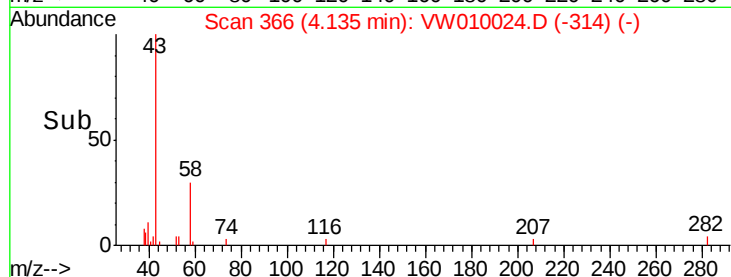
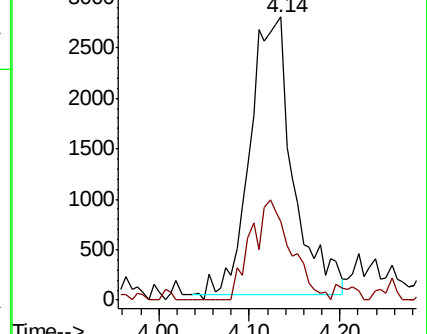
43 100

58 28.3 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.374 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010024.D

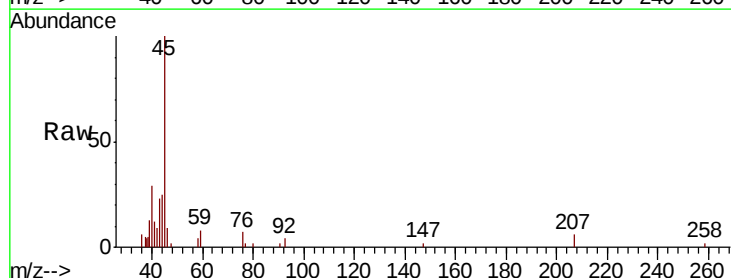
Acq: 17 Apr 2019 18:56

Tgt Ion: 76 Resp: 292

Ion Ratio Lower Upper

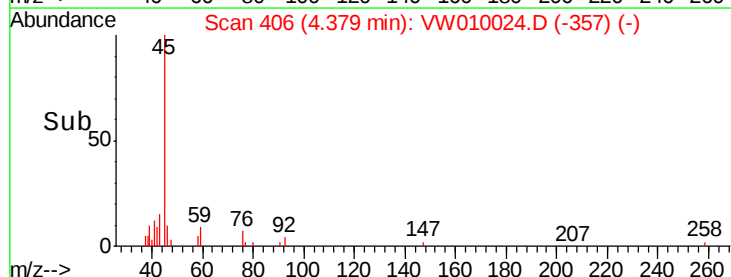
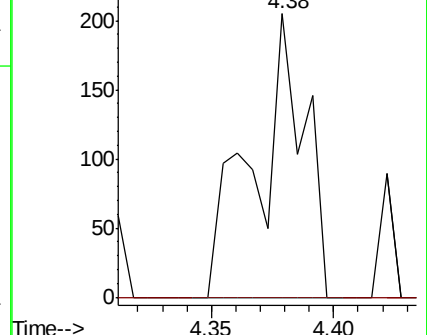
76 100

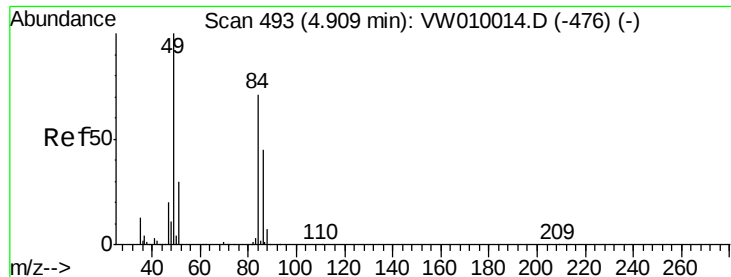
78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

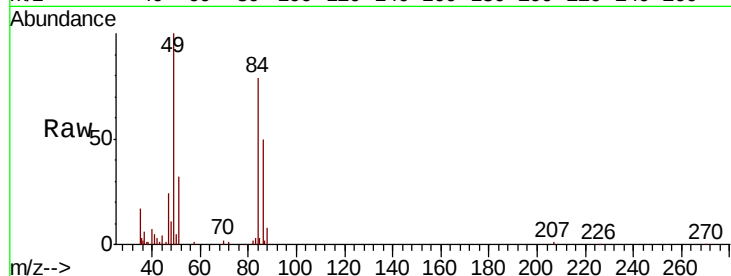




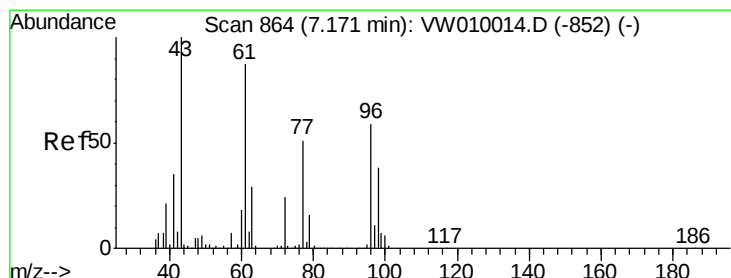
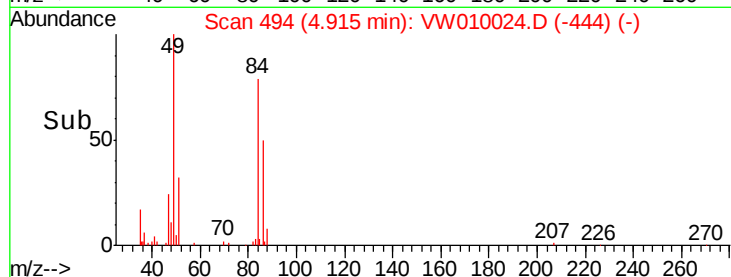
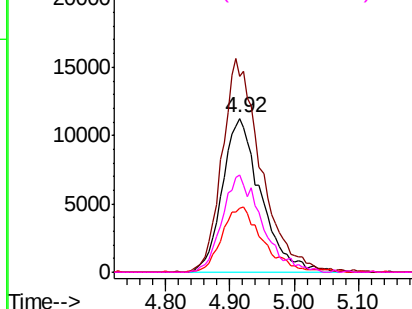
#20
Methylene Chloride
Concen: 12.190 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010024.D
Acq: 17 Apr 2019 18:56

Instrument :
MSVOA_W
ClientSampleId :
BWM-S1-SOIL-PILERE

Tgt Ion: 84 Resp: 47245
Ion Ratio Lower Upper
84 100
49 127.4 112.3 168.5
51 40.6 33.9 50.9
86 63.1 50.2 75.4

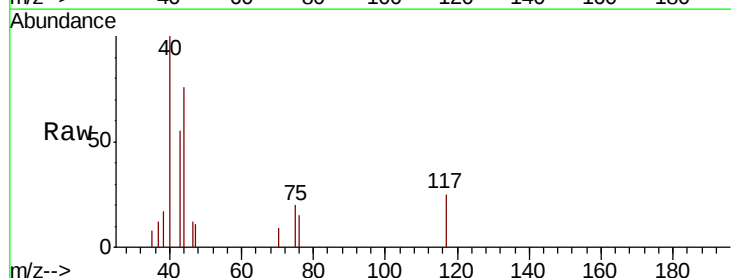


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

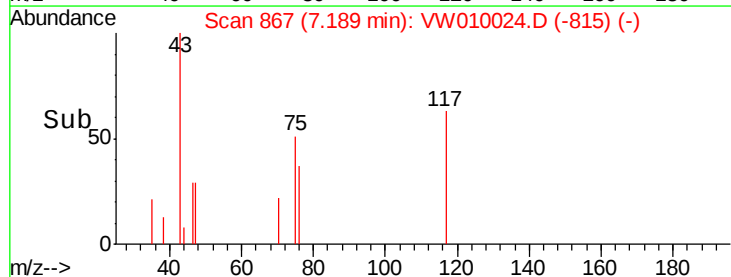
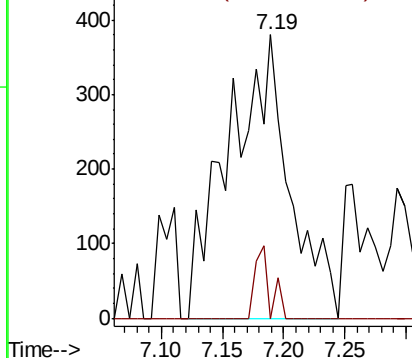


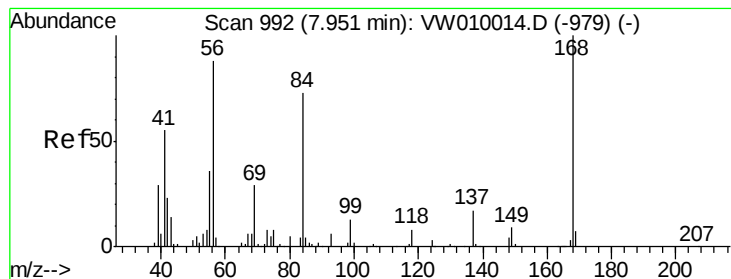
#25
2-Butanone
Concen: 1.281 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW010024.D
Acq: 17 Apr 2019 18:56

Tgt Ion: 43 Resp: 1324
Ion Ratio Lower Upper
43 100
72 0.0 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.466 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010024.D

Acq: 17 Apr 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

BWM-S1-SOIL-PILERE

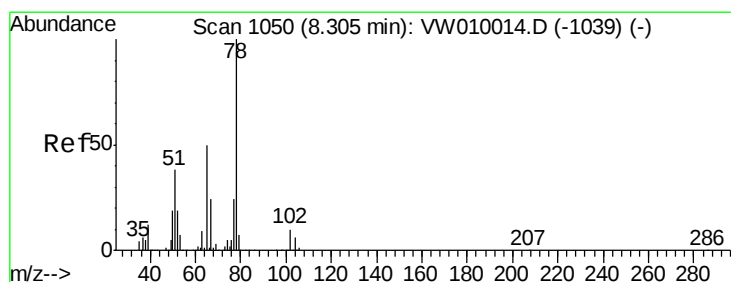
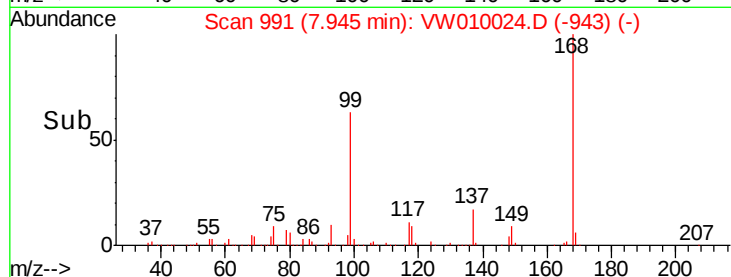
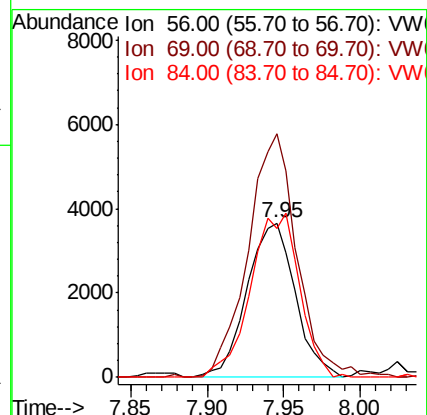
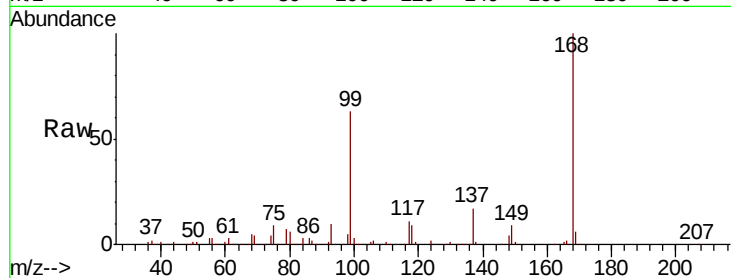
Tgt Ion: 56 Resp: 8037

Ion Ratio Lower Upper

56 100

69 157.9 26.6 40.0#

84 96.4 66.2 99.2



#33

1,2-Dichloroethane-d4

Concen: 62.479 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010024.D

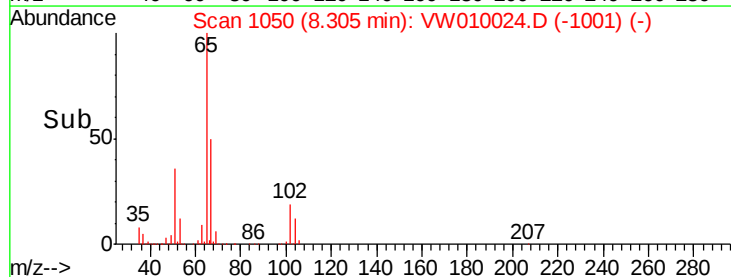
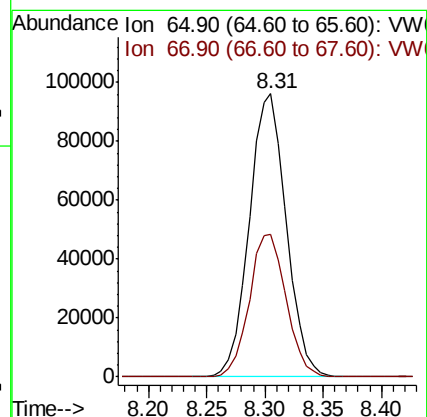
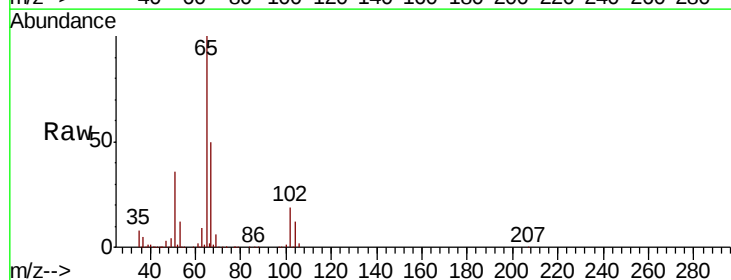
Acq: 17 Apr 2019 18:56

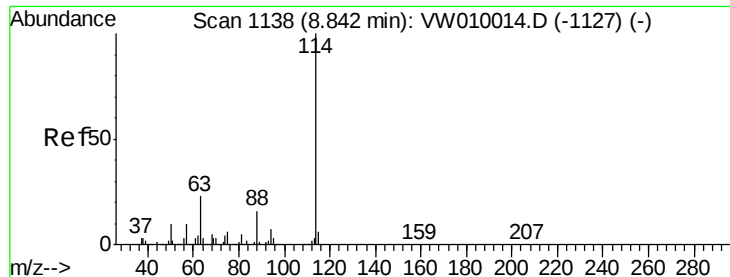
Tgt Ion: 65 Resp: 211847

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.8

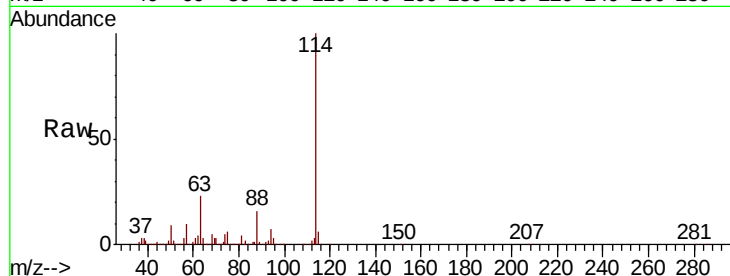




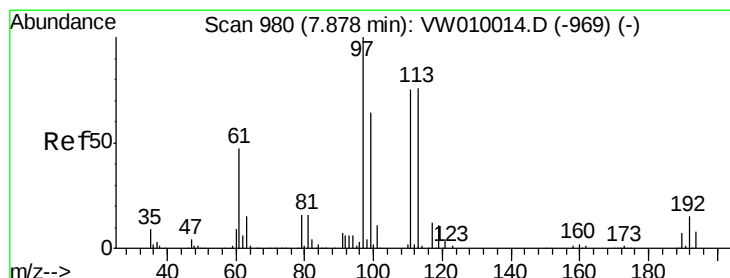
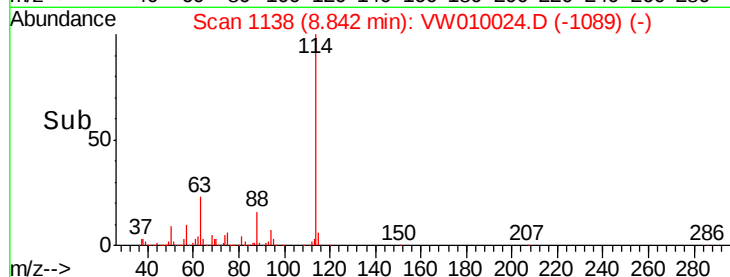
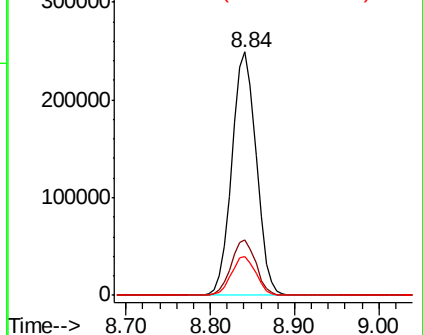
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010024.D
 Acq: 17 Apr 2019 18:56

Instrument :
 MSVOA_W
 ClientSampleId :
 BWM-S1-SOIL-PILERE

Tgt Ion:114 Resp: 487654
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 46.2
 88 16.0 0.0 32.6

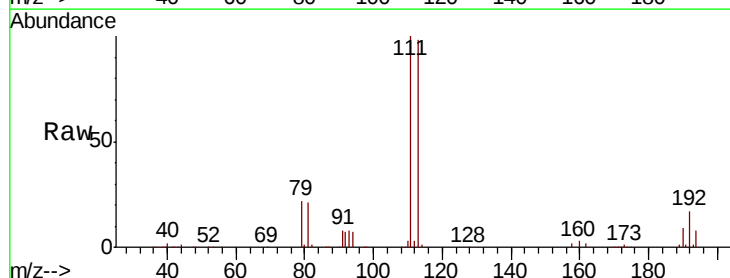


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

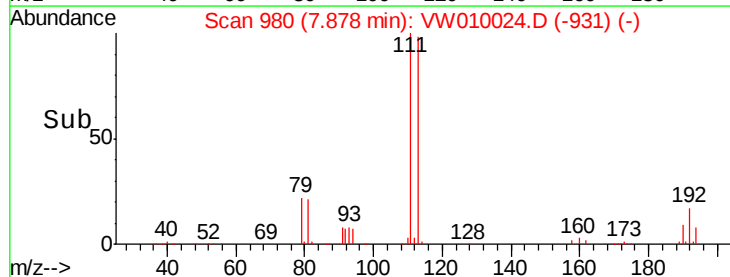
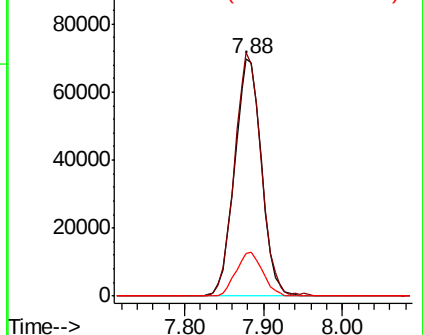


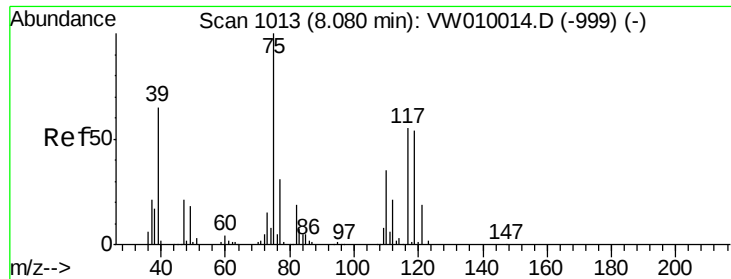
#35
 Dibromofluoromethane
 Concen: 53.343 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010024.D
 Acq: 17 Apr 2019 18:56

Tgt Ion:113 Resp: 165380
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.6 123.8
 192 18.4 15.4 23.2



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

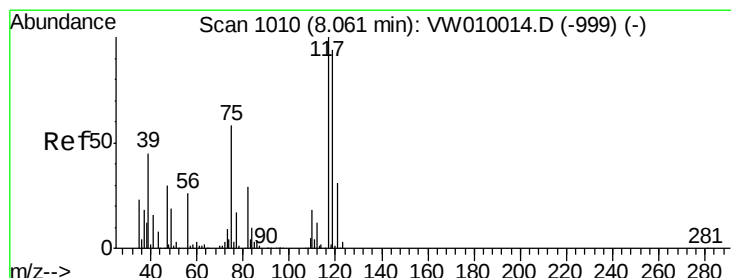
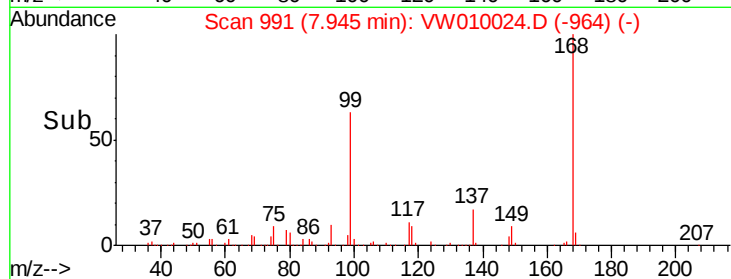
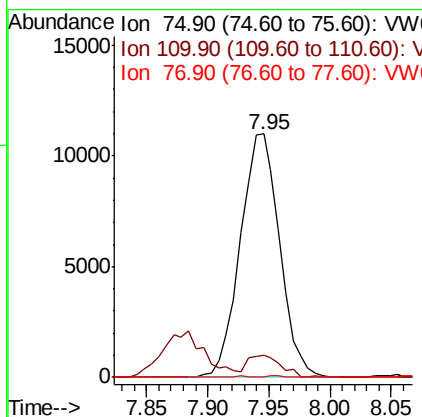
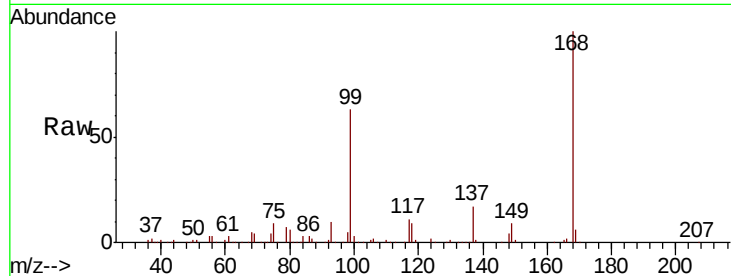




#36
 1,1-Dichloropropene
 Concen: 4.915 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010024.D
 Acq: 17 Apr 2019 18:56

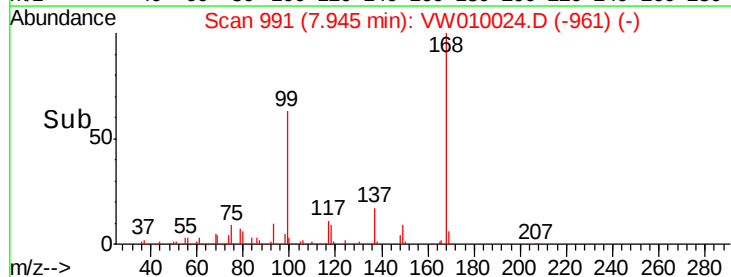
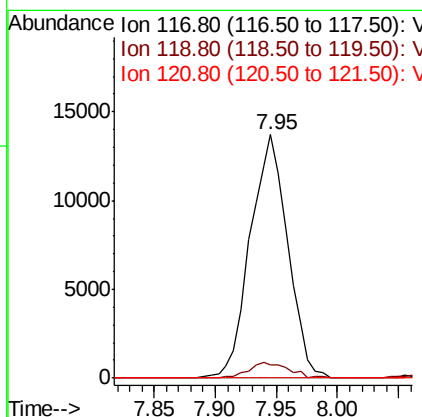
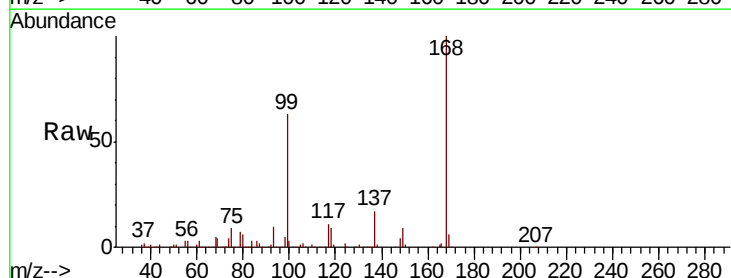
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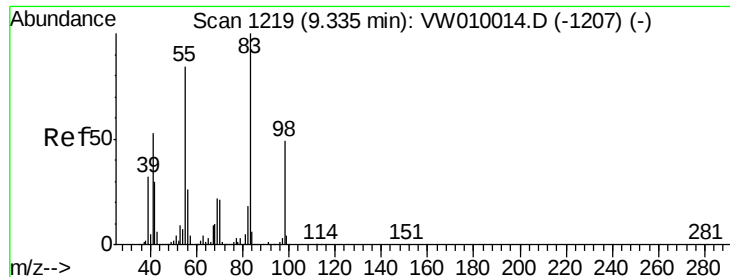
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.6	49.8#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.011 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010024.D
 Acq: 17 Apr 2019 18:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.3	112.9#
121	0.0	24.4	36.6#





#39

Methylcyclohexane

Concen: 1.266 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010024.D

Acq: 17 Apr 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

BWM-S1-SOIL-PILERE

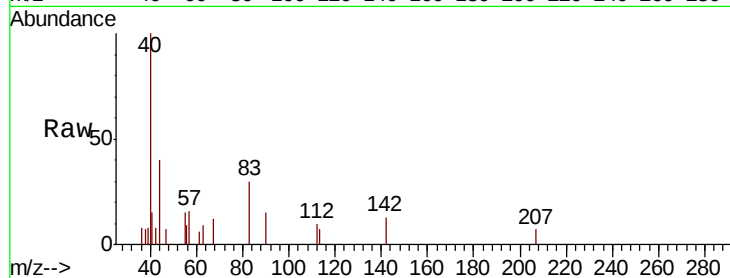
Tgt Ion: 83 Resp: 428

Ion Ratio Lower Upper

83 100

55 49.6 67.1 100.7#

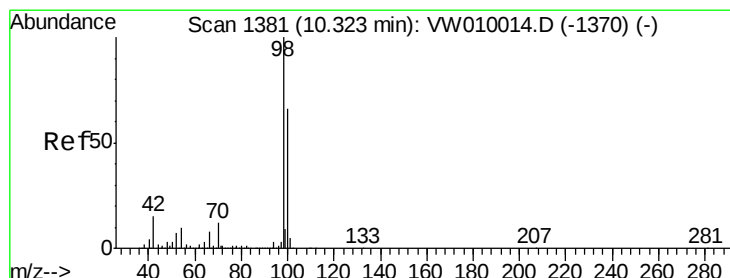
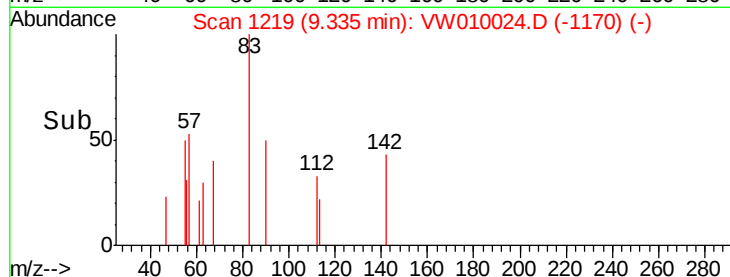
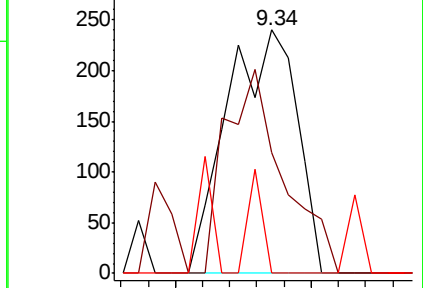
98 0.0 39.2 58.8#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#50

Toluene-d8

Concen: 45.920 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010024.D

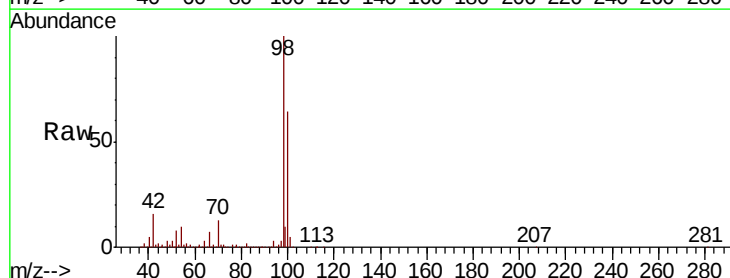
Acq: 17 Apr 2019 18:56

Tgt Ion: 98 Resp: 533476

Ion Ratio Lower Upper

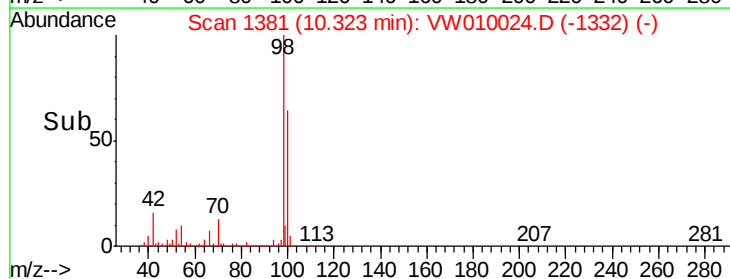
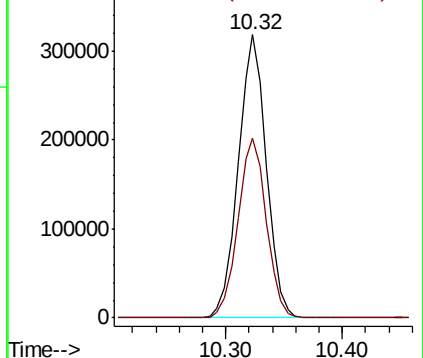
98 100

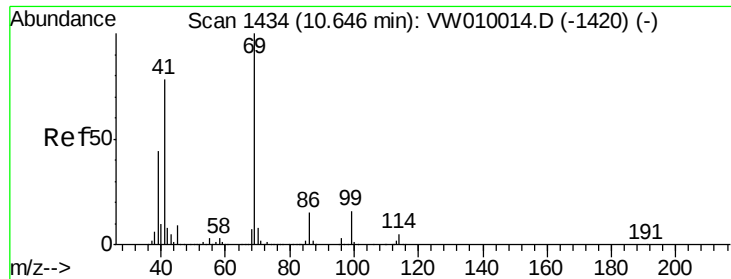
100 64.2 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

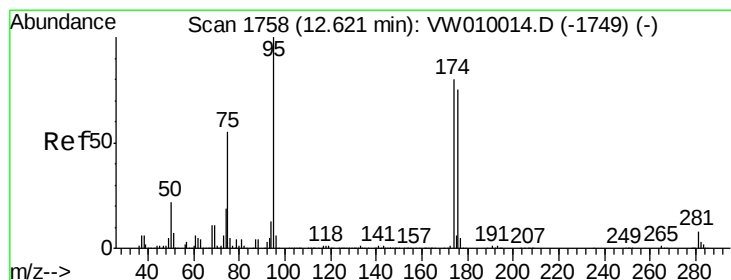
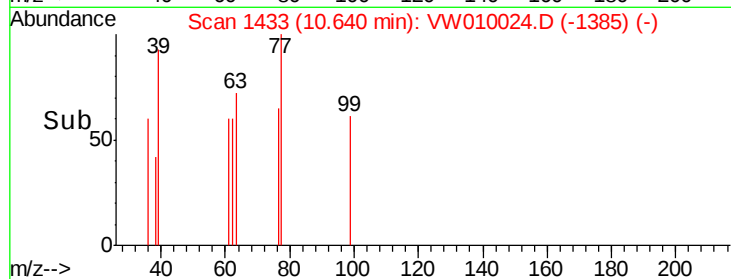
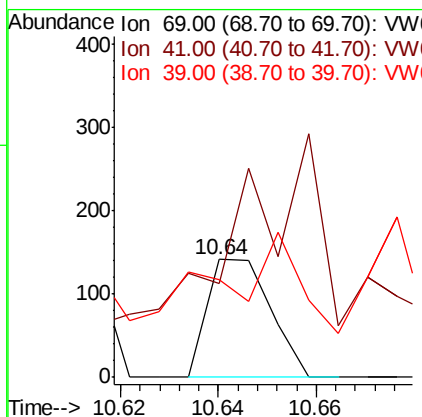
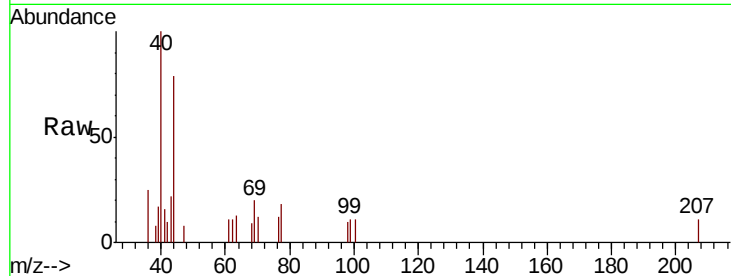




#56
Ethyl methacrylate
Concen: 2.675 ug/l
RT: 10.64 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VW010024.D
Acq: 17 Apr 2019 18:56

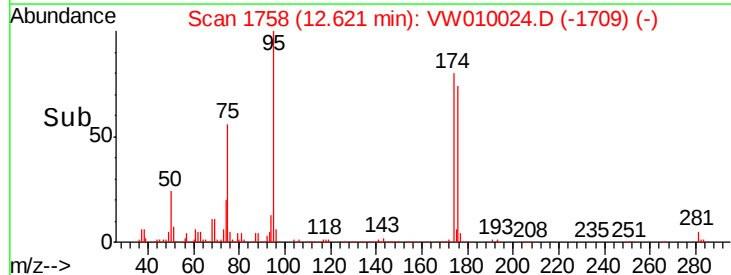
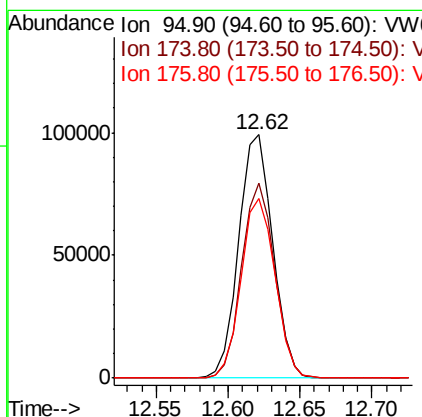
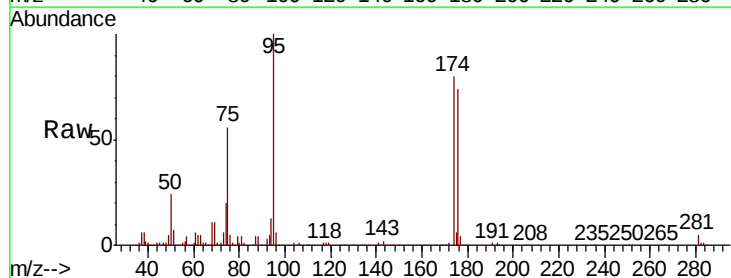
Instrument :
MSVOA_W
ClientSampleId :
BWM-S1-SOIL-PILERE

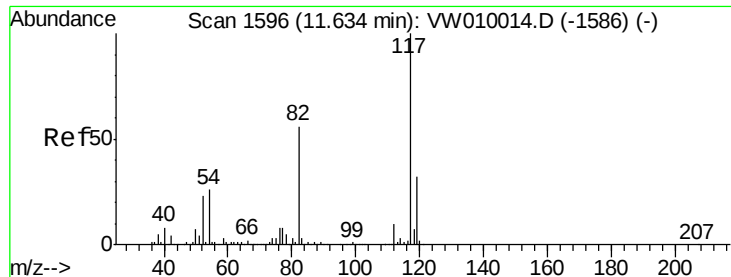
Tgt Ion: 69 Resp: 126
Ion Ratio Lower Upper
69 100
41 209.5 61.0 91.6#
39 99.2 33.8 50.6#



#62
4-Bromofluorobenzene
Concen: 38.639 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010024.D
Acq: 17 Apr 2019 18:56

Tgt Ion: 95 Resp: 163170
Ion Ratio Lower Upper
95 100
174 77.5 0.0 151.4
176 73.7 0.0 146.2

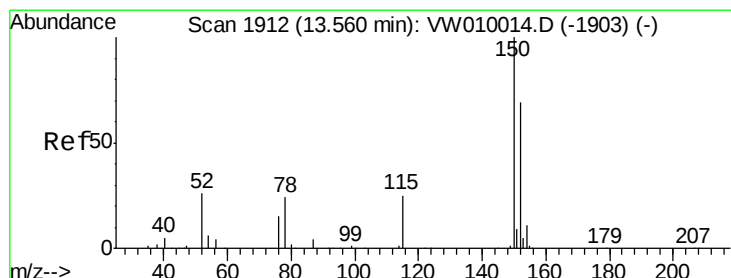
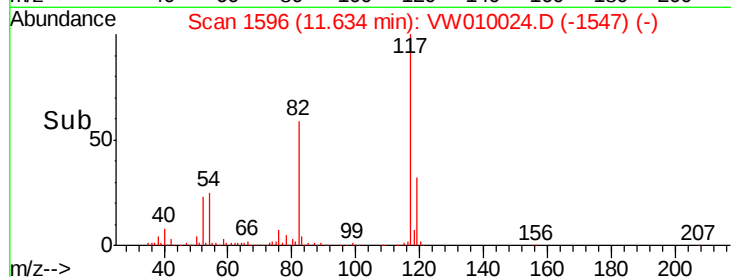
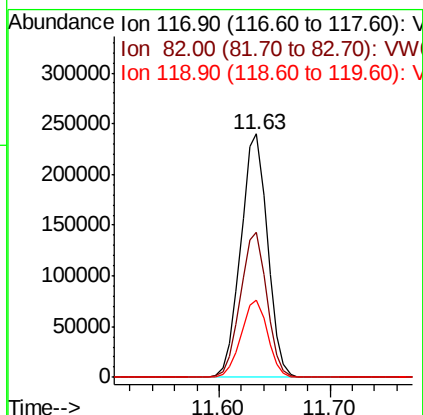
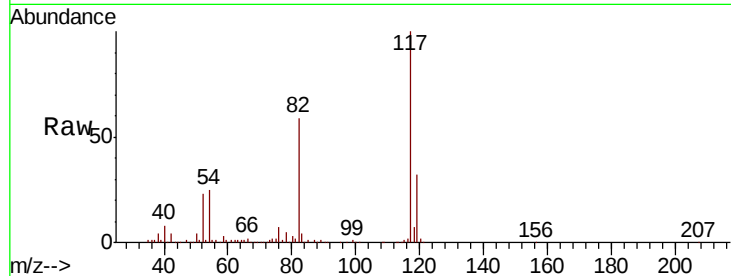




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010024.D
Acq: 17 Apr 2019 18:56

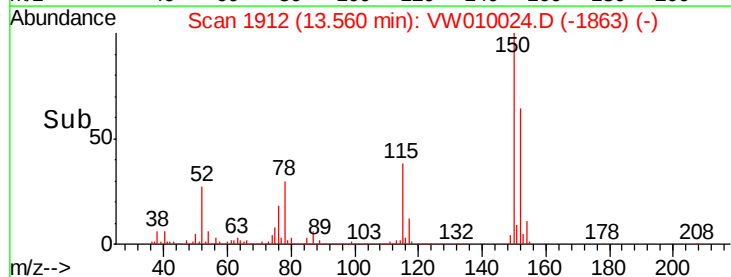
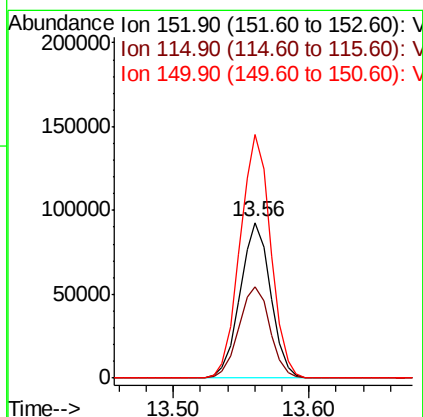
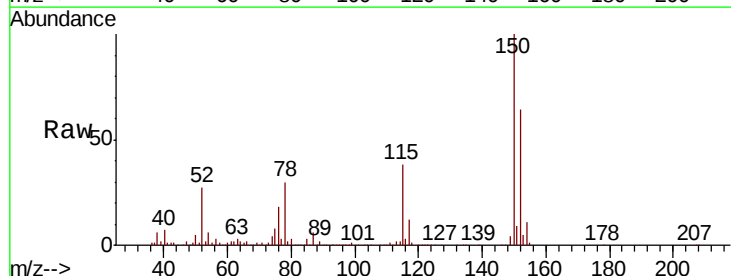
Instrument :
MSVOA_W
ClientSampleId :
BWM-S1-SOIL-PILERE

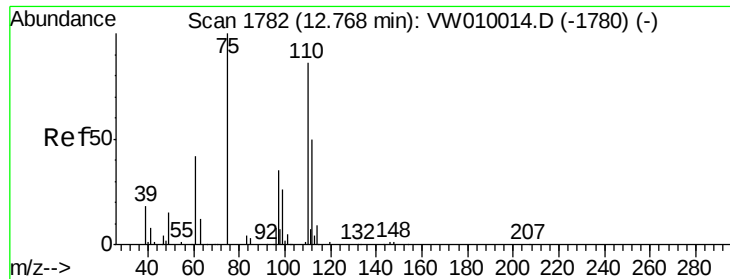
Tgt Ion:117 Resp: 399928
Ion Ratio Lower Upper
117 100
82 59.5 45.2 67.8
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010024.D
Acq: 17 Apr 2019 18:56

Tgt Ion:152 Resp: 144931
Ion Ratio Lower Upper
152 100
115 60.3 30.4 91.2
150 158.0 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 62.009 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010024.D

Acq: 17 Apr 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

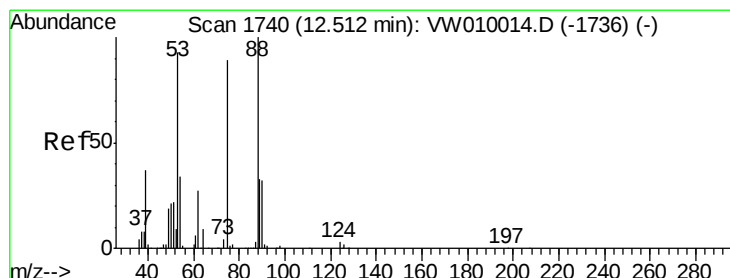
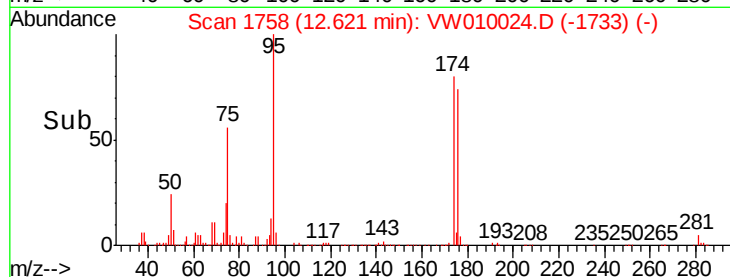
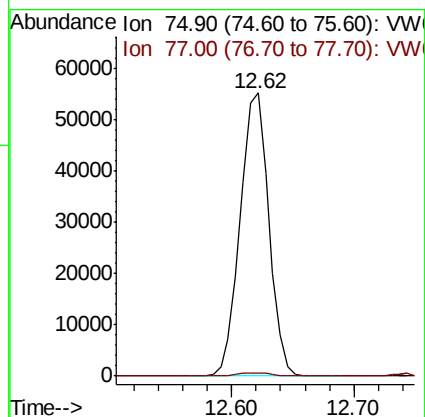
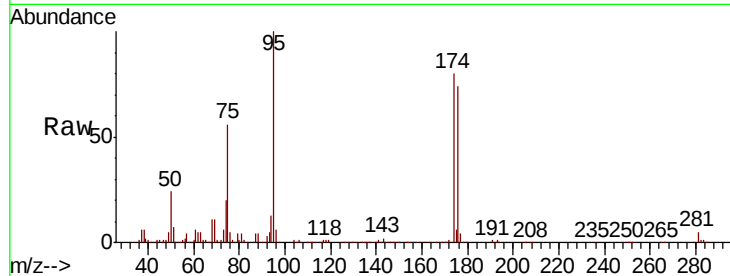
BWM-S1-SOIL-PILERE

Tgt Ion: 75 Resp: 89946

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 146.214 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010024.D

Acq: 17 Apr 2019 18:56

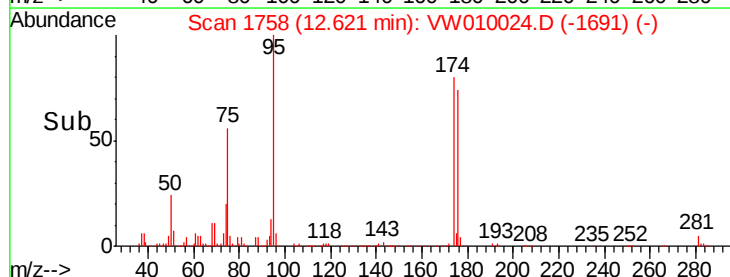
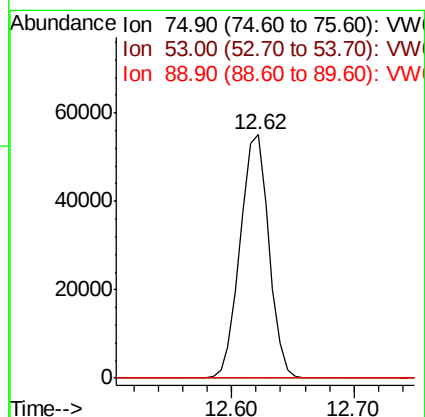
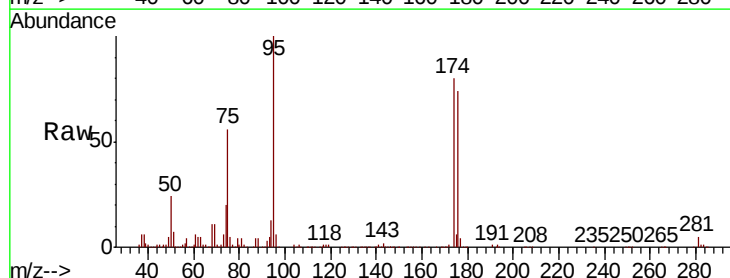
Tgt Ion: 75 Resp: 89946

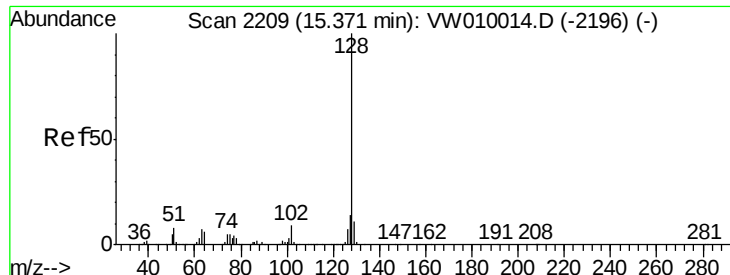
Ion Ratio Lower Upper

75 100

53 0.2 89.8 134.8#

89 0.0 36.6 54.8#





#95
Naphthalene
Concen: 3.257 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010024.D
Acq: 17 Apr 2019 18:56

Instrument :
MSVOA_W
ClientSampleId :
BWM-S1-SOIL-PILERE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.6	15.8
129	0.0	8.7	13.1

