

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030219\
 Data File : VW008958.D
 Acq On : 02 Mar 2019 09:07
 Operator : SY/VA
 Sample : K1671-02
 Misc : 4.88G/5ML/MSVOA_W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-04-002-ABCD

Quant Time: Mar 03 23:55:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	58274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	81508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	79489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	34278	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	30642	56.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	112.12%		
35) Dibromofluoromethane	7.88	113	25780	52.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.36%		
50) Toluene-d8	10.33	98	97606	51.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.34%		
62) 4-Bromofluorobenzene	12.62	95	34587	46.76	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.52%		

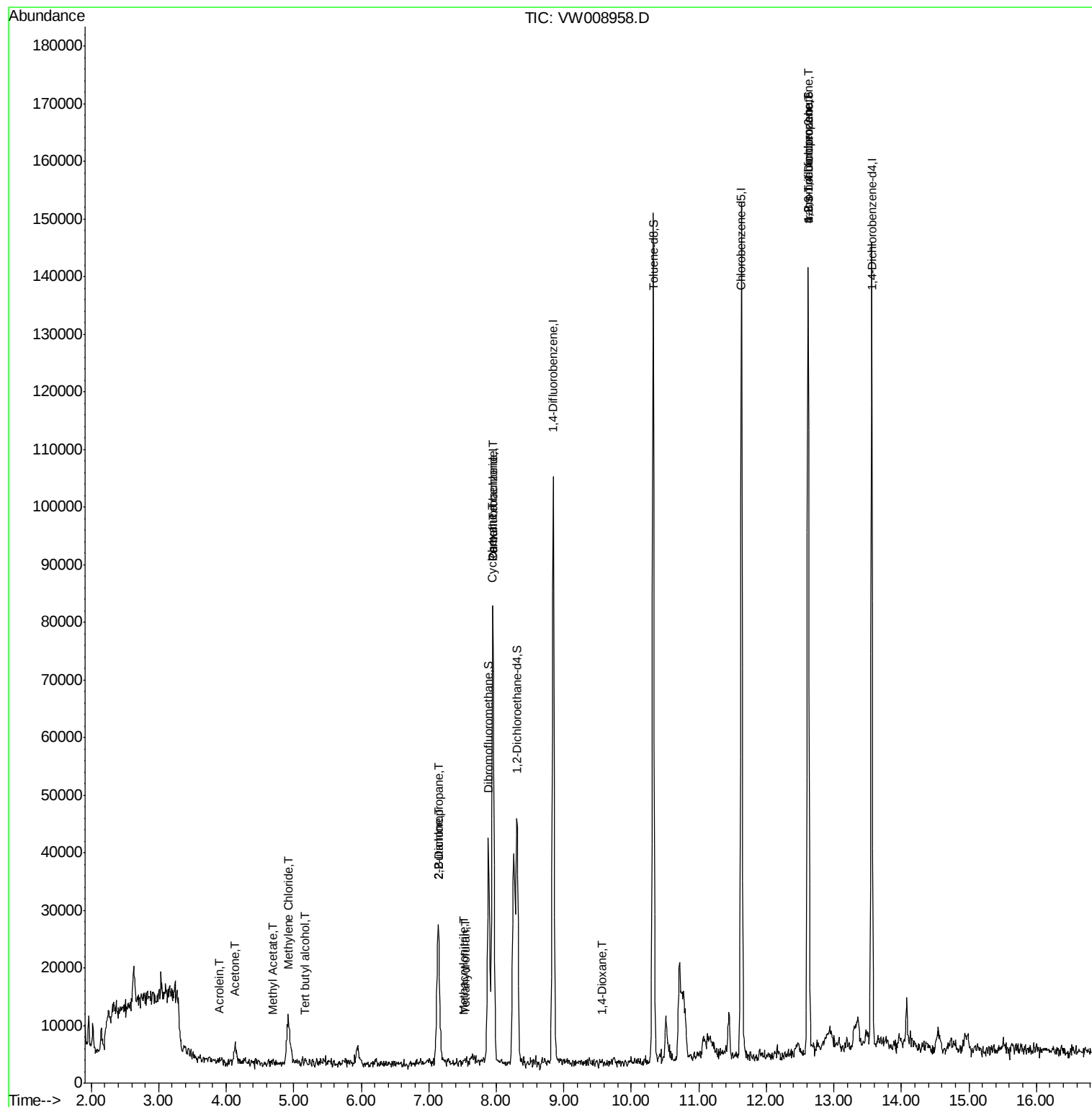
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	127	2.610	ug/l #	70
13) Acrolein	3.90	56	65	20.946	ug/l #	14
16) Acetone	4.13	43	6079	47.984	ug/l #	85
18) Methyl Acetate	4.68	43	813	2.706	ug/l #	51
20) Methylene Chloride	4.91	84	5279	3.731	ug/l #	80
25) 2-Butanone	7.15	43	1901	10.733	ug/l	97
26) 2,2-Dichloropropane	7.14	77	1685	1.823	ug/l #	54
29) Tetrahydrofuran	7.53	42	579	5.130	ug/l #	61
31) Cyclohexane	7.94	56	1565	1.519	ug/l #	7
38) Carbon Tetrachloride	7.95	117	5655	6.758	ug/l #	12
41) Methacrylonitrile	7.51	41	294	1.356	ug/l #	31
49) 1,4-Dioxane	9.57	88	56	11.744	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	18405	65.033	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	18405	158.100	ug/l #	7

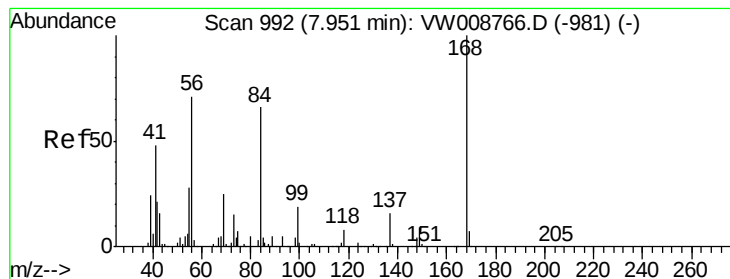
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008958.D

Acq: 02 Mar 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

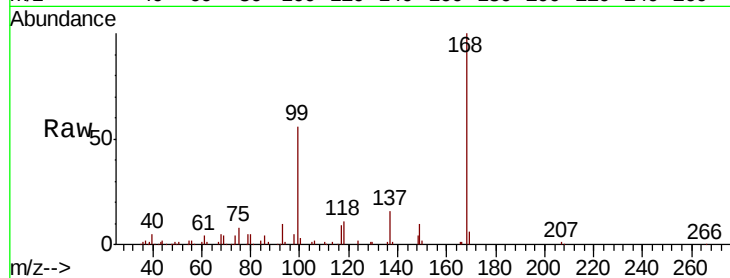
FK-BPM-04-002-ABCD

Tgt Ion:168 Resp: 58274

Ion Ratio Lower Upper

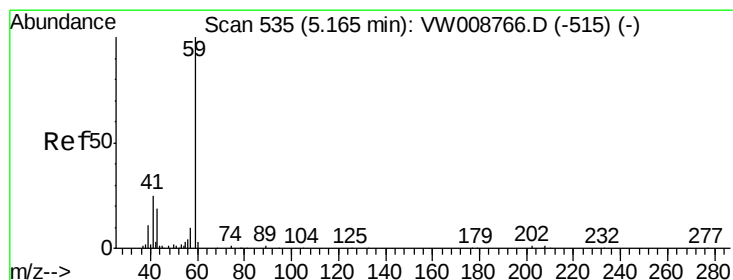
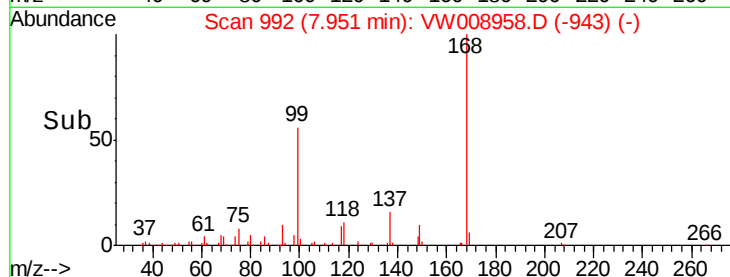
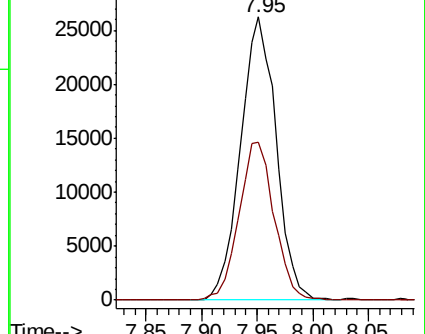
168 100

99 55.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.610 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW008958.D

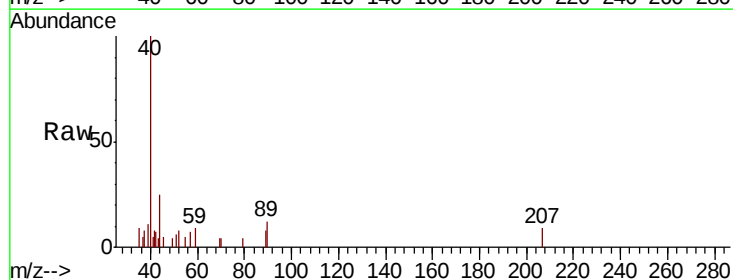
Acq: 02 Mar 2019 09:07

Tgt Ion: 59 Resp: 127

Ion Ratio Lower Upper

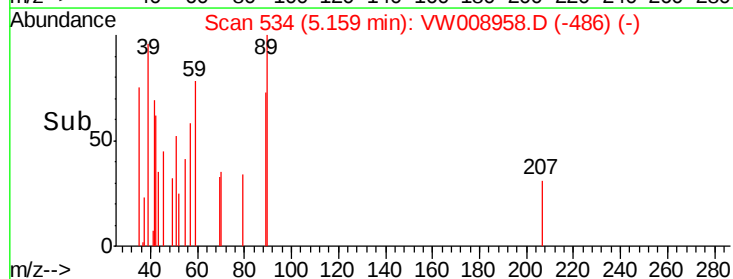
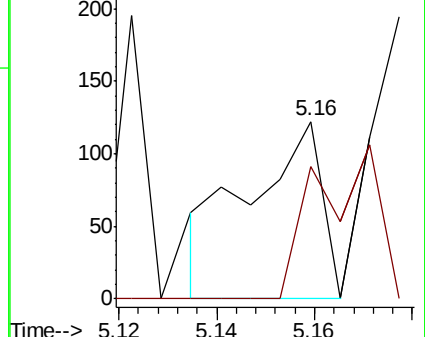
59 100

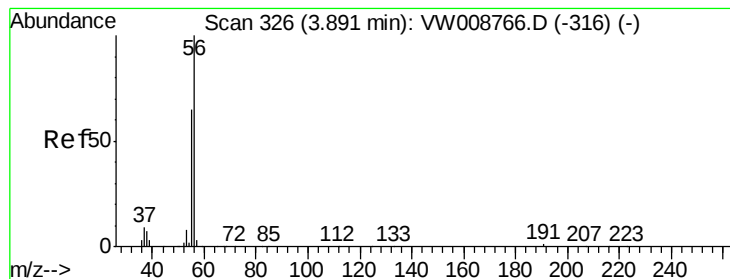
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 20.946 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008958.D

Acq: 02 Mar 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

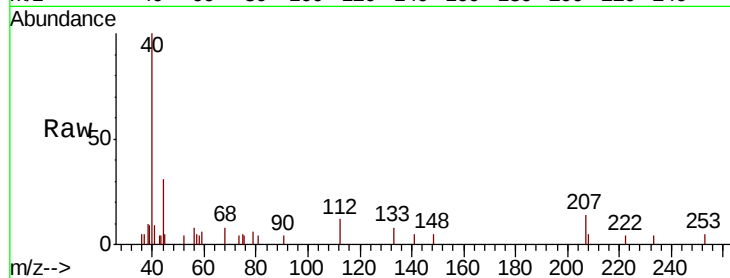
FK-BPM-04-002-ABCD

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

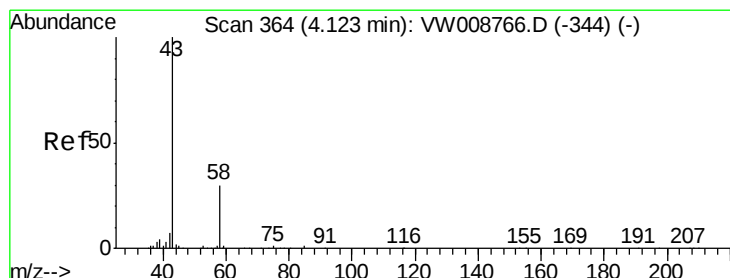
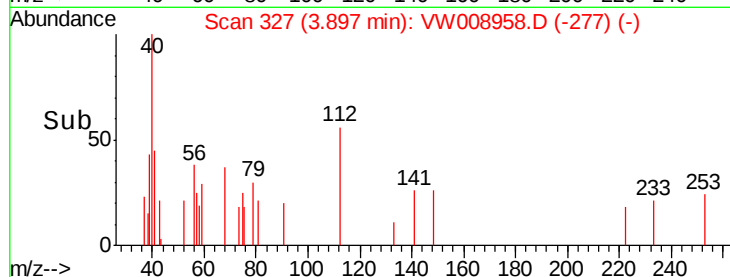
3.90

100

50

0

Time-->



#16

Acetone

Concen: 47.984 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW008958.D

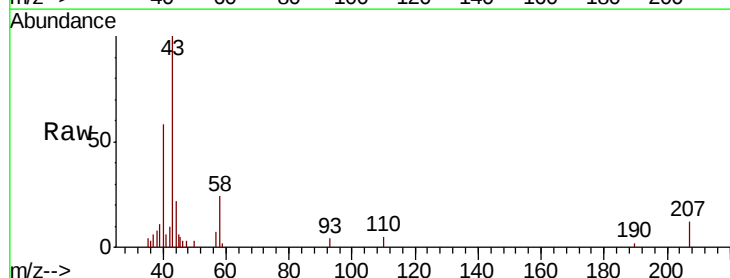
Acq: 02 Mar 2019 09:07

Tgt Ion: 43 Resp: 6079

Ion Ratio Lower Upper

43 100

58 21.7 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

2500

2000

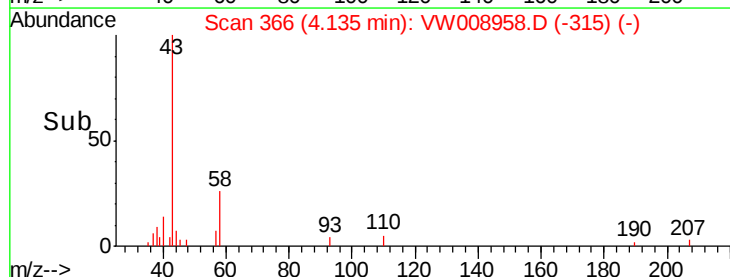
1500

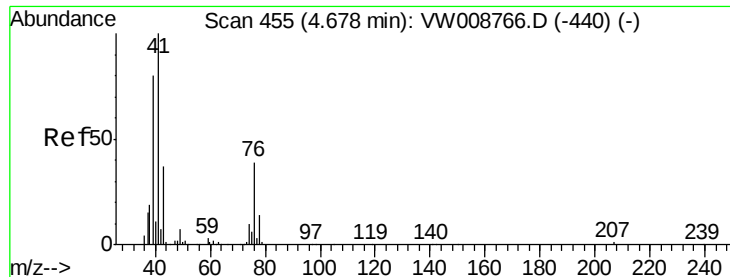
1000

500

0

Time-->

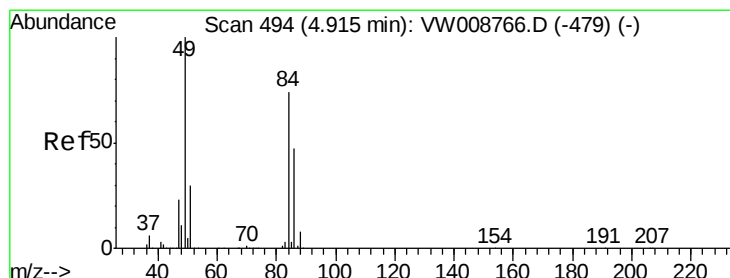
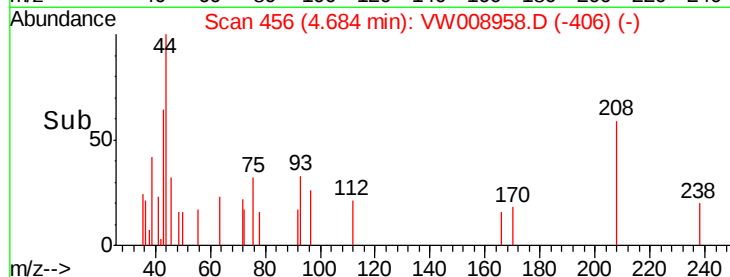
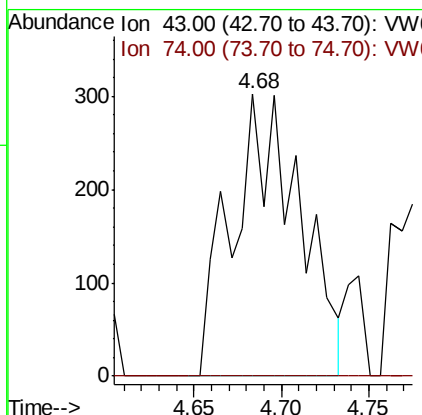
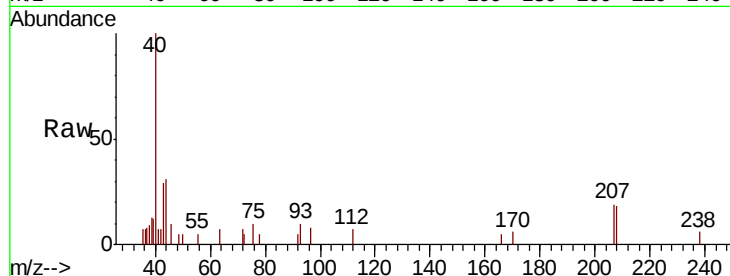




#18
Methyl Acetate
Concen: 2.706 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW008958.D
Acq: 02 Mar 2019 09:07

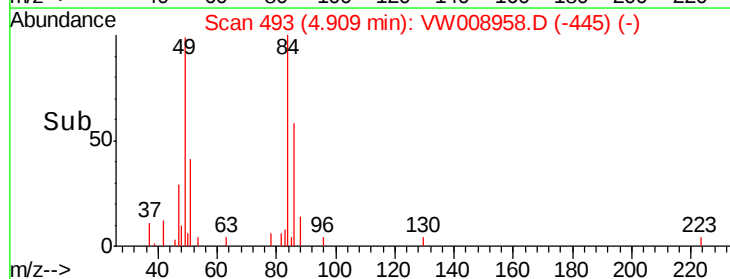
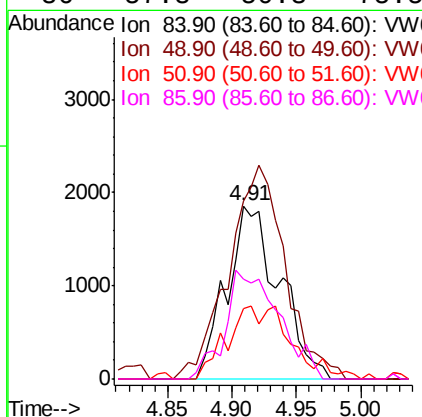
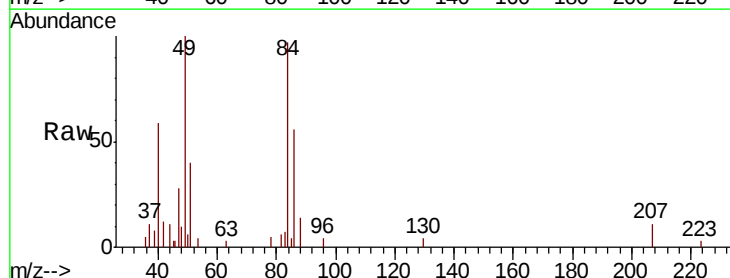
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-04-002-ABCD

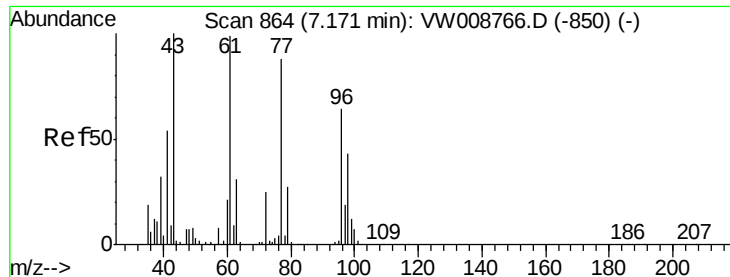
Tgt Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 3.731 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008958.D
Acq: 02 Mar 2019 09:07

Tgt Ion: 84 Resp: 5279
Ion Ratio Lower Upper
84 100
49 96.2 108.2 162.2#
51 40.9 32.7 49.1
86 57.8 50.3 75.5





#25

2-Butanone

Concen: 10.733 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008958.D

Acq: 02 Mar 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

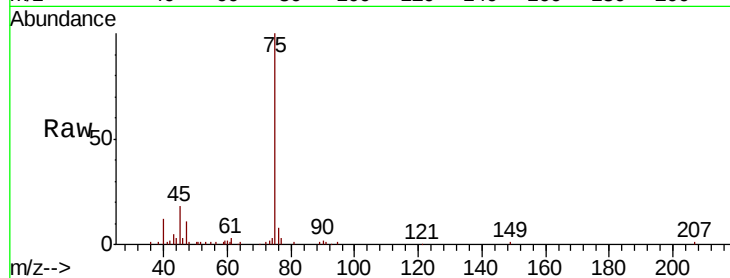
FK-BPM-04-002-ABCD

Tgt Ion: 43 Resp: 1901

Ion Ratio Lower Upper

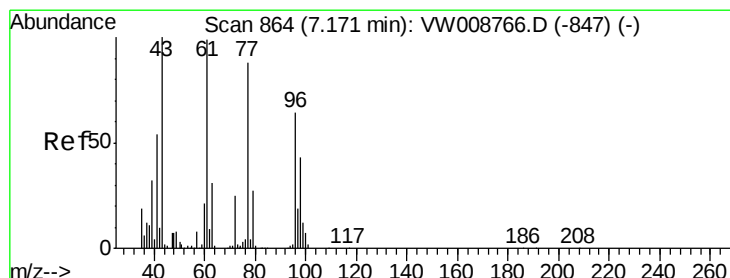
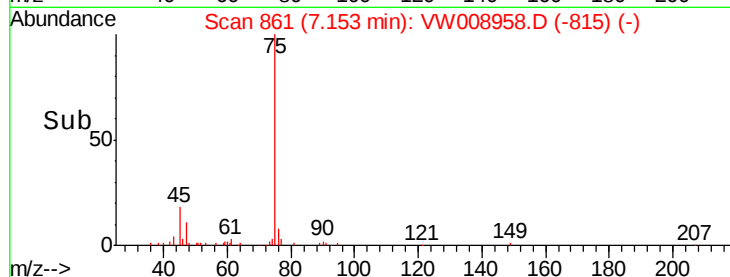
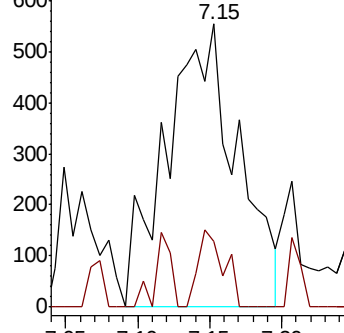
43 100

72 23.1 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.823 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008958.D

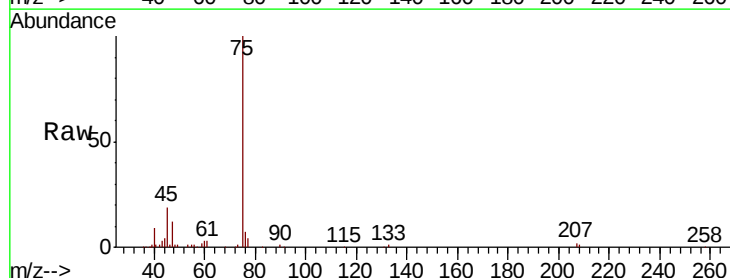
Acq: 02 Mar 2019 09:07

Tgt Ion: 77 Resp: 1685

Ion Ratio Lower Upper

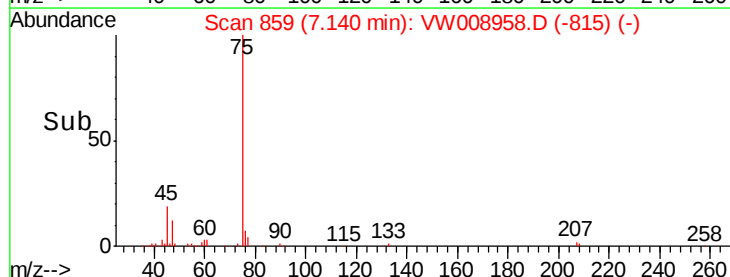
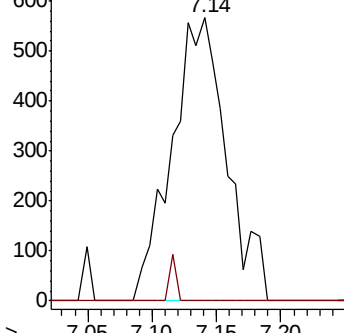
77 100

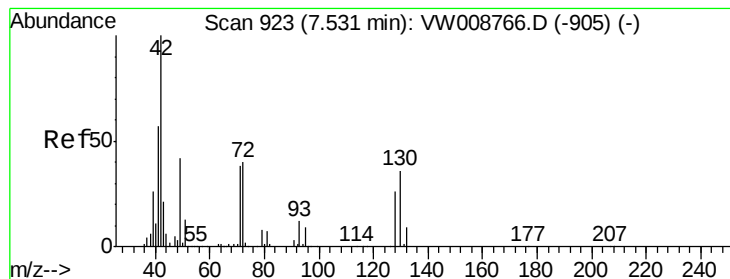
97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#29

Tetrahydrofuran

Concen: 5.130 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW008958.D

Acq: 02 Mar 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-04-002-ABCD

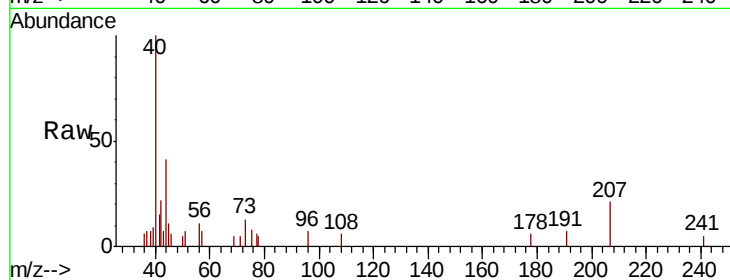
Tgt Ion: 42 Resp: 579

Ion Ratio Lower Upper

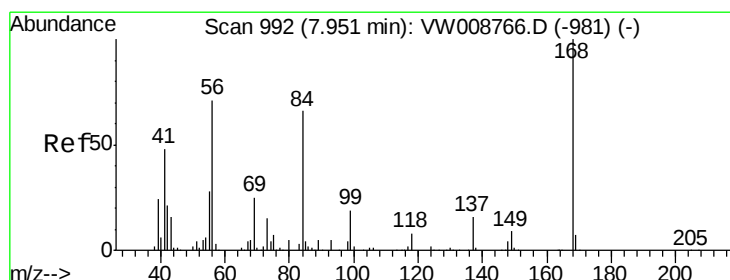
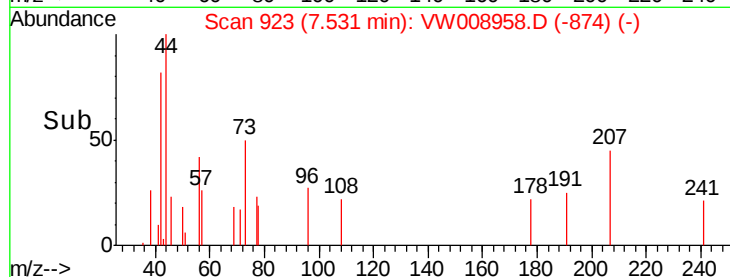
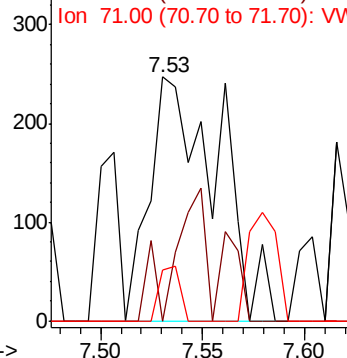
42 100

72 24.9 32.7 49.1#

71 6.7 31.3 46.9#



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



#31

Cyclohexane

Concen: 1.519 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008958.D

Acq: 02 Mar 2019 09:07

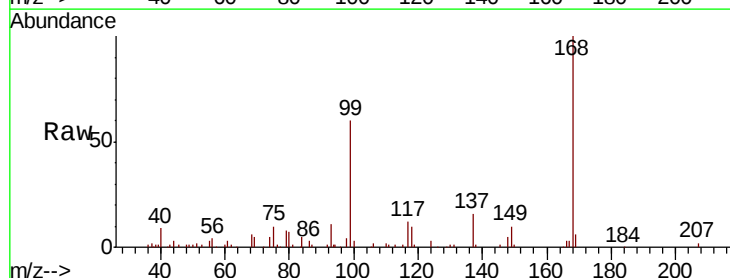
Tgt Ion: 56 Resp: 1565

Ion Ratio Lower Upper

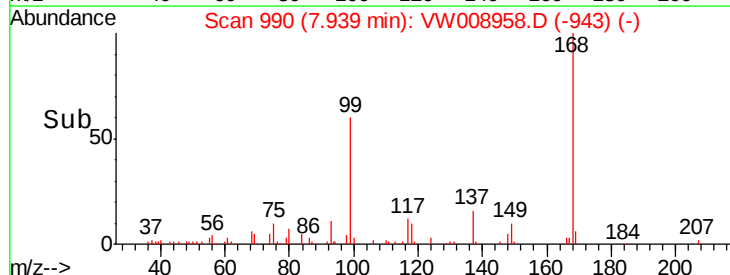
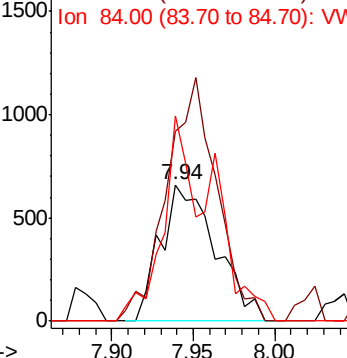
56 100

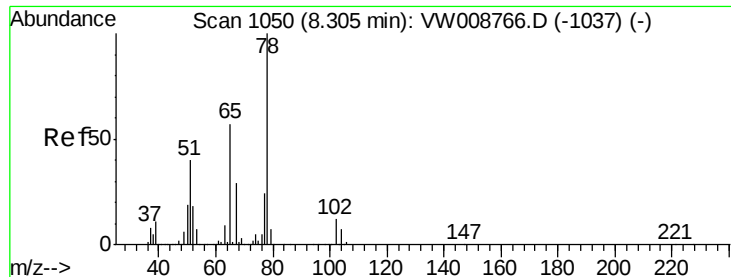
69 138.7 28.2 42.4#

84 150.5 74.1 111.1#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

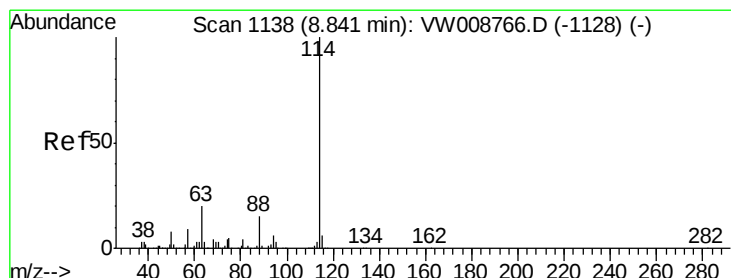
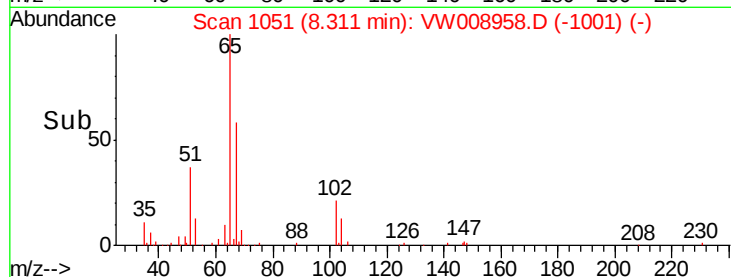
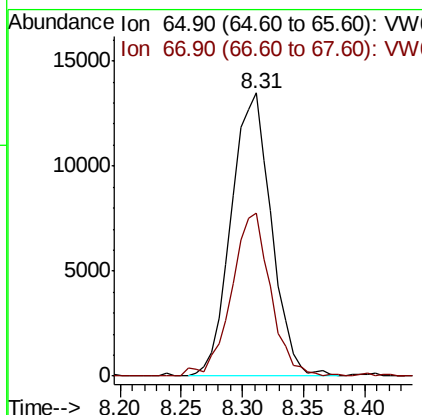
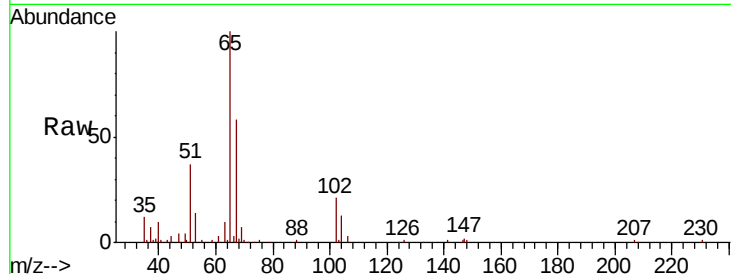




#33
 1,2-Dichloroethane-d4
 Concen: 56.064 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW008958.D
 Acq: 02 Mar 2019 09:07

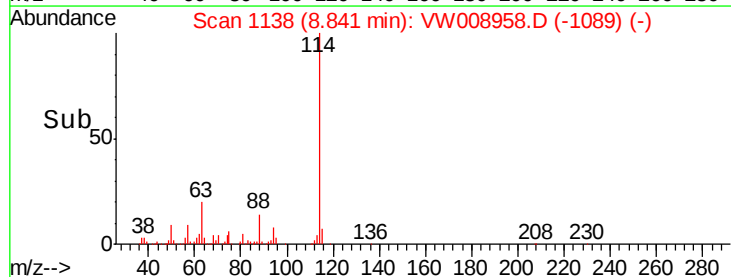
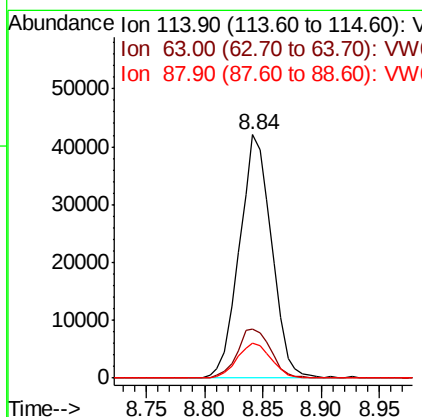
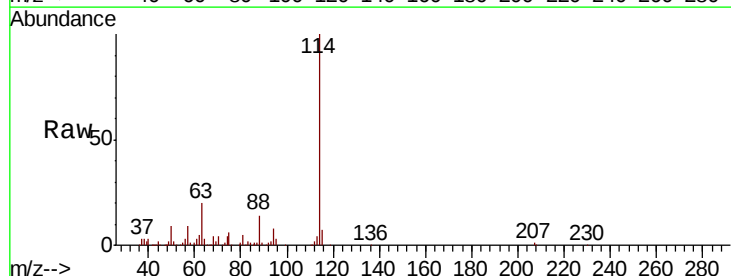
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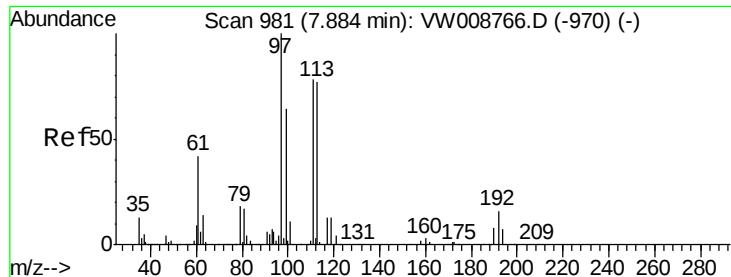
Tgt Ion: 65 Resp: 30642
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008958.D
 Acq: 02 Mar 2019 09:07

Tgt Ion: 114 Resp: 81508
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.8
 88 14.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.679 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008958.D

Acq: 02 Mar 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-04-002-ABCD

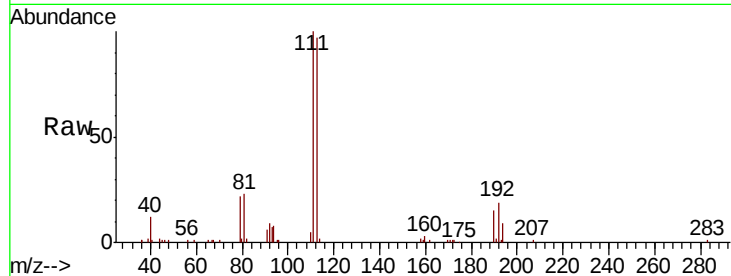
Tgt Ion:113 Resp: 25780

Ion Ratio Lower Upper

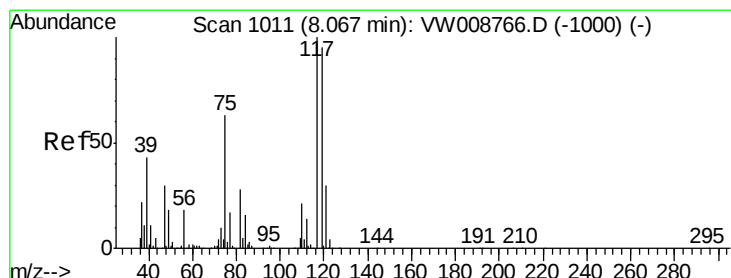
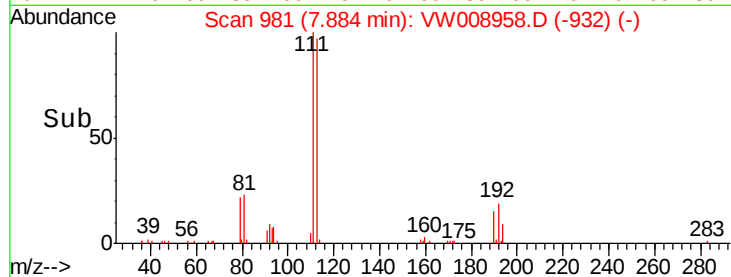
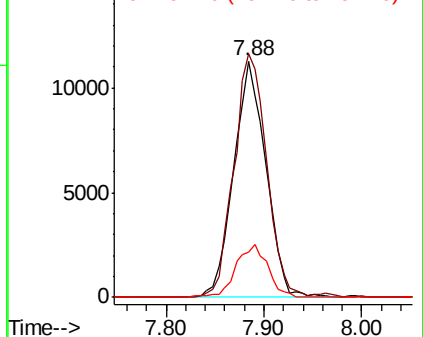
113 100

111 104.6 81.9 122.9

192 22.2 17.1 25.7



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



#38

Carbon Tetrachloride

Concen: 6.758 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008958.D

Acq: 02 Mar 2019 09:07

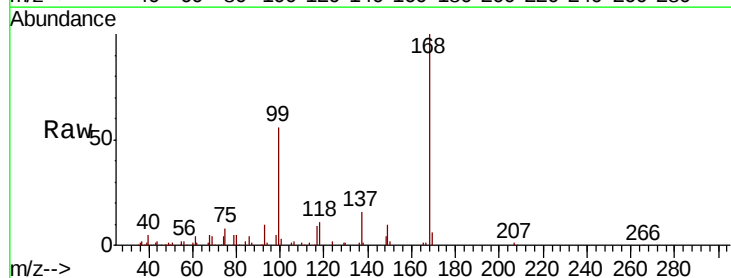
Tgt Ion:117 Resp: 5655

Ion Ratio Lower Upper

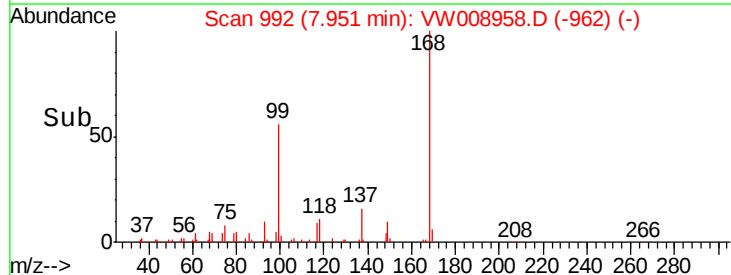
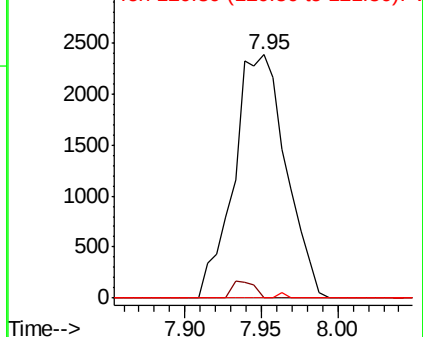
117 100

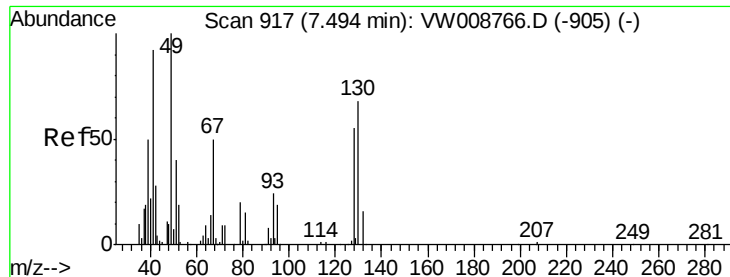
119 0.0 76.1 114.1#

121 0.0 24.0 36.0#



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

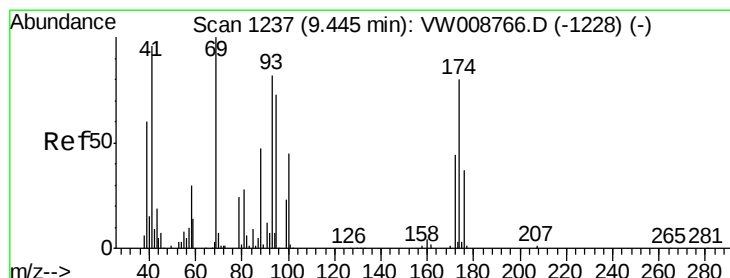
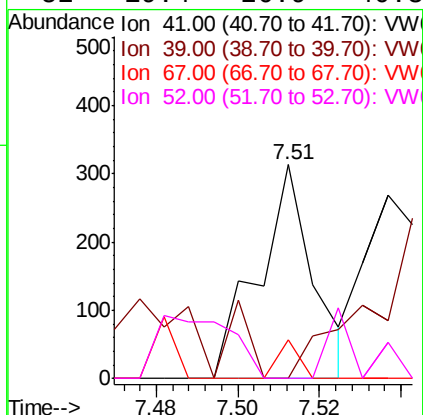
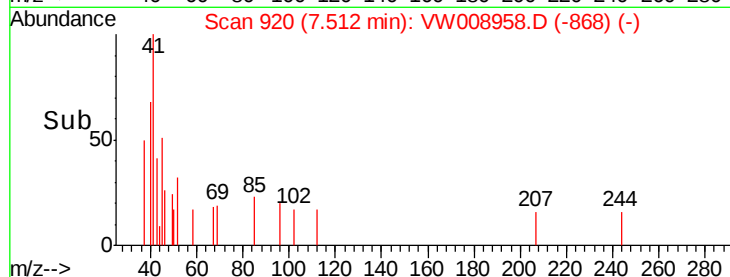
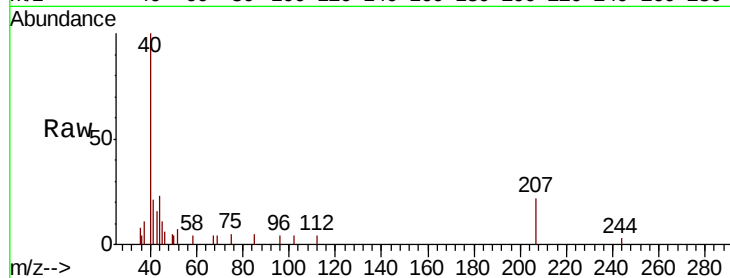




#41
Methacrylonitrile
Concen: 1.356 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.02 min
Lab File: VW008958.D
Acq: 02 Mar 2019 09:07

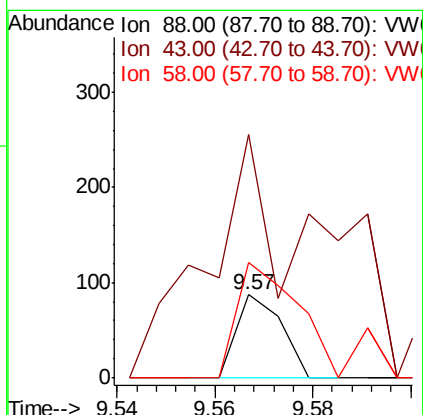
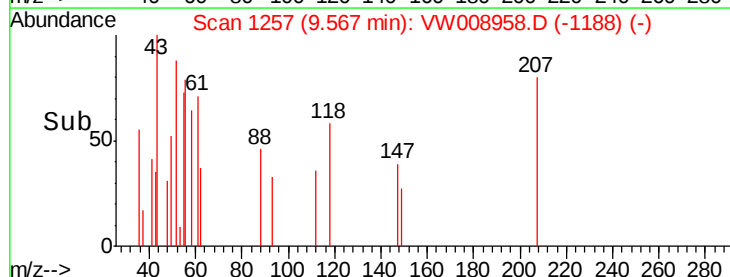
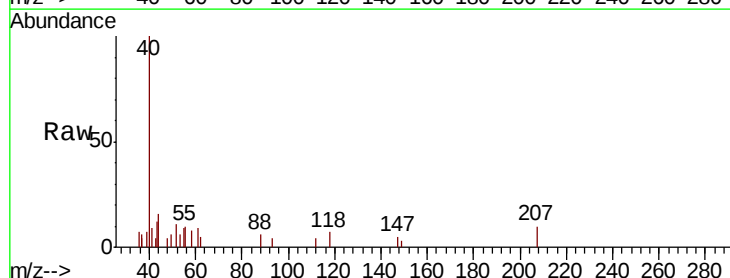
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-04-002-ABCD

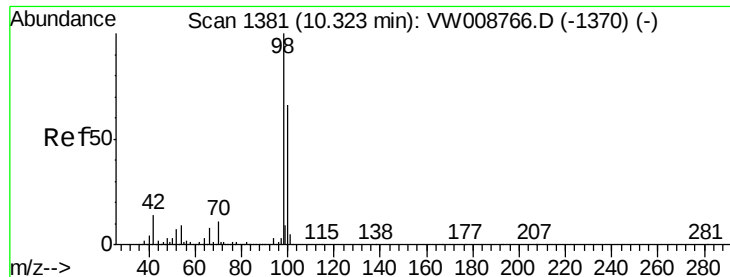
Tgt Ion:	41	Resp:	294
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.5	78.7#
67	6.8	55.0	82.6#
52	19.4	26.9	40.3#



#49
1,4-Dioxane
Concen: 11.744 ug/l
RT: 9.57 min Scan# 1257
Delta R.T. 0.12 min
Lab File: VW008958.D
Acq: 02 Mar 2019 09:07

Tgt Ion:	88	Resp:	56
Ion	Ratio	Lower	Upper
88	100		
43	417.9	29.0	43.4#
58	221.4	52.0	78.0#





#50

Toluene-d8

Concen: 51.666 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW008958.D

Acq: 02 Mar 2019 09:07

Instrument :

MSVOA_W

ClientSampleId :

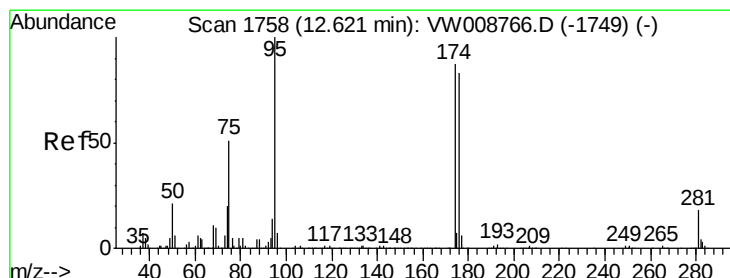
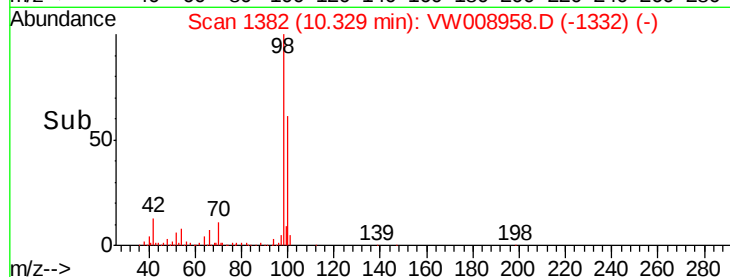
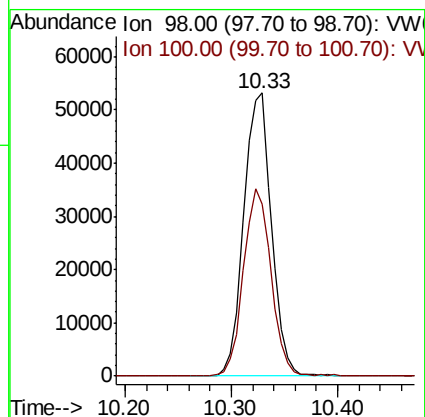
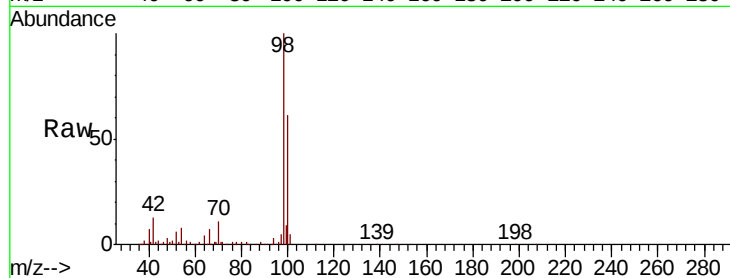
FK-BPM-04-002-ABCD

Tgt Ion: 98 Resp: 97606

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.759 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008958.D

Acq: 02 Mar 2019 09:07

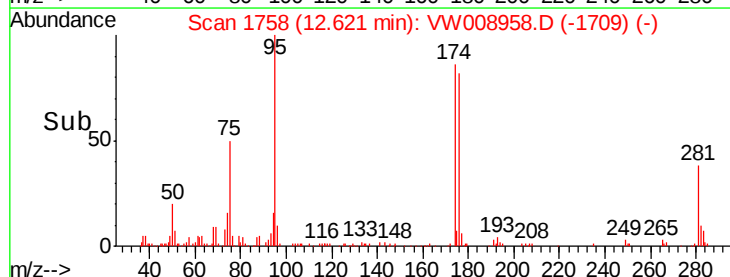
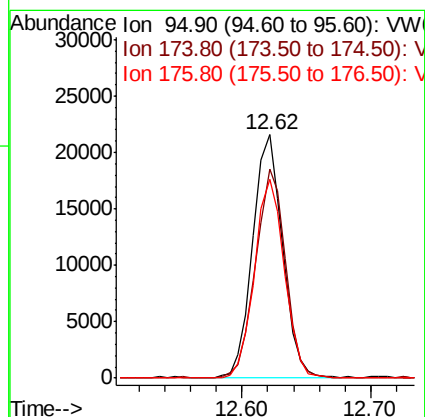
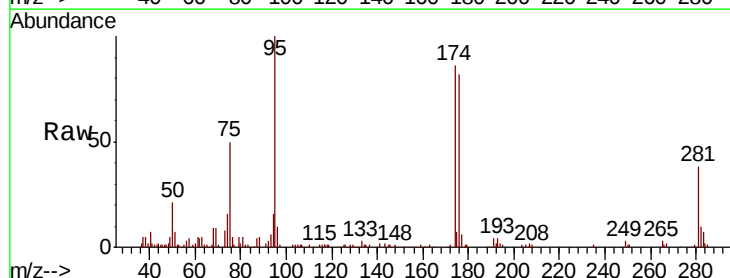
Tgt Ion: 95 Resp: 34587

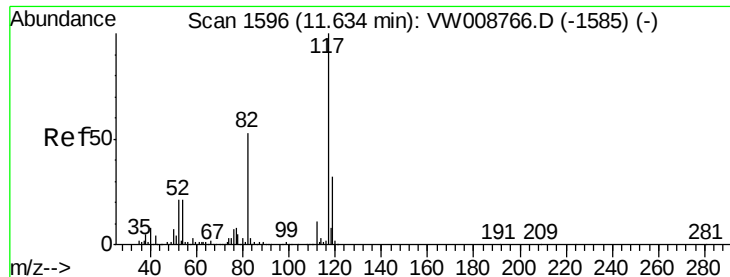
Ion Ratio Lower Upper

95 100

174 85.9 0.0 169.2

176 81.4 0.0 163.6

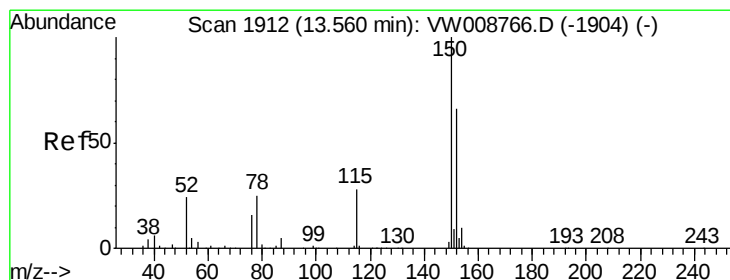
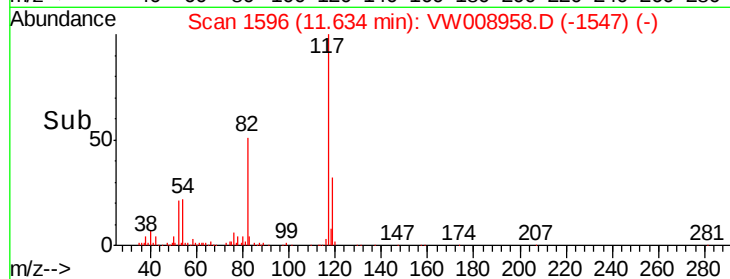
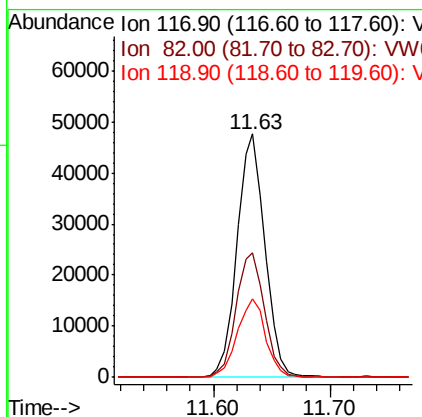
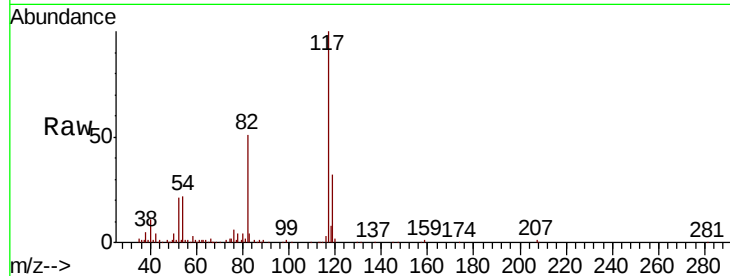




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008958.D
Acq: 02 Mar 2019 09:07

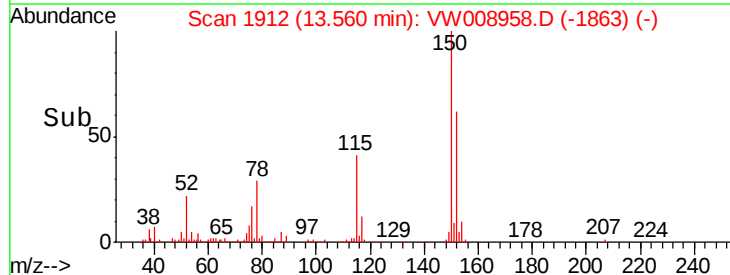
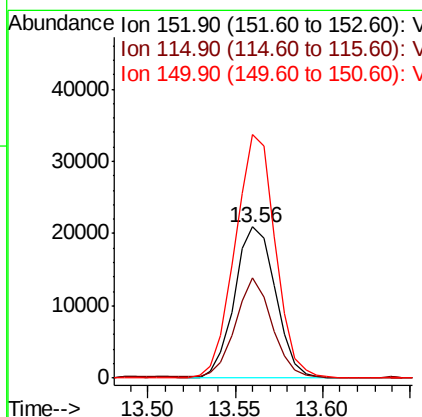
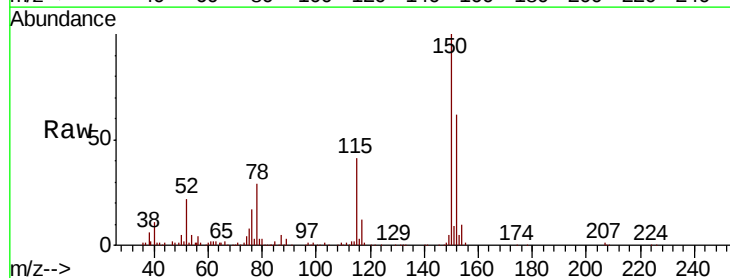
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-04-002-ABCD

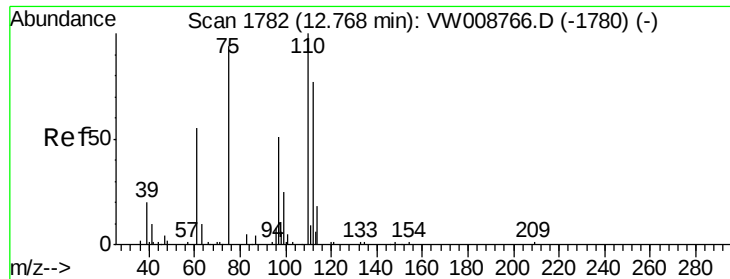
Tgt Ion:117 Resp: 79489
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.4
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008958.D
Acq: 02 Mar 2019 09:07

Tgt Ion:152 Resp: 34278
Ion Ratio Lower Upper
152 100
115 60.7 28.6 85.8
150 158.1 0.0 348.0

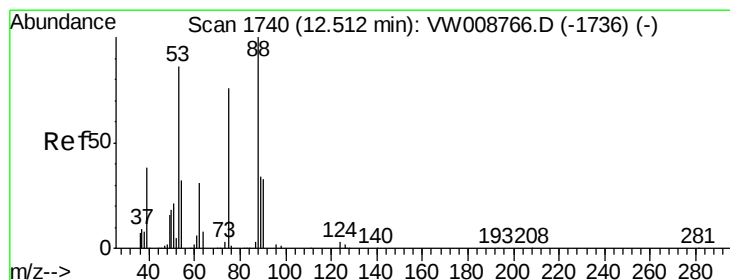
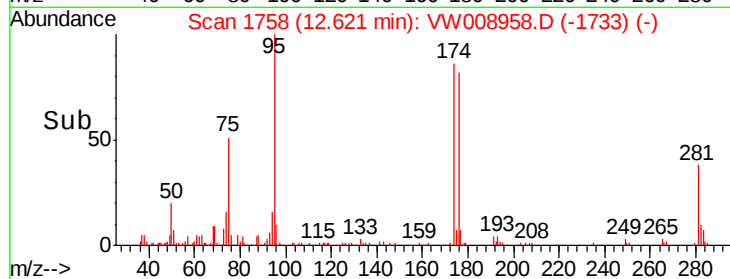
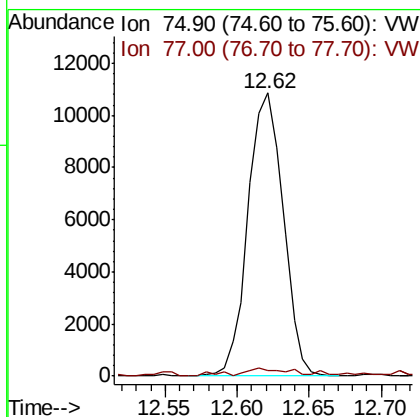
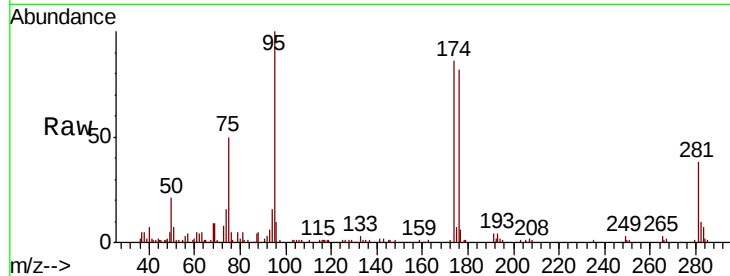




#76
 1,2,3-Trichloropropane
 Concen: 65.033 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008958.D
 Acq: 02 Mar 2019 09:07

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-04-002-ABCD

Tgt Ion: 75 Resp: 18405
 Ion Ratio Lower Upper
 75 100
 77 3.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.100 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008958.D
 Acq: 02 Mar 2019 09:07

Tgt Ion: 75 Resp: 18405
 Ion Ratio Lower Upper
 75 100
 53 2.1 88.2 132.2#
 89 0.0 39.5 59.3#

