

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021519\
 Data File : VW008716.D
 Acq On : 16 Feb 2019 07:04
 Operator : SY/VA
 Sample : K1514-02
 Misc : 5.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

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

Quant Time: Feb 18 08:00:55 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	95846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	137004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	120542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53396	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	53547	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
35) Dibromofluoromethane	7.88	113	44209	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
50) Toluene-d8	10.32	98	161387	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.62	95	53675	43.45	ug/l	0.00
Spiked Amount			Recovery	=	86.90%	

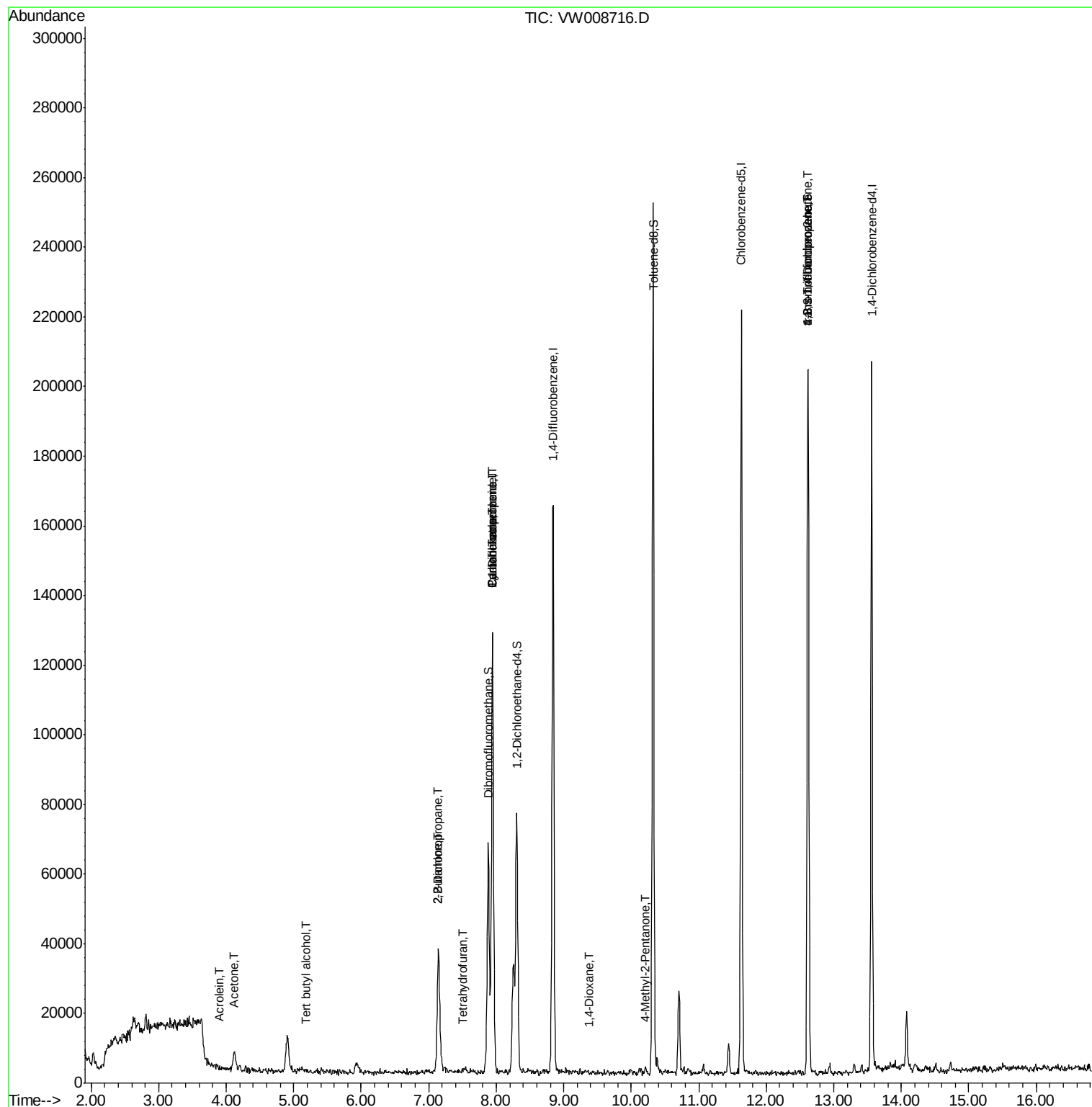
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	257	3.224	ug/l #	73
13) Acrolein	3.90	56	117	1.424	ug/l #	47
16) Acetone	4.12	43	10741	47.370	ug/l	98
20) Methylene Chloride	4.89	84	7059	Below Cal	#	70
25) 2-Butanone	7.15	43	2993	9.348	ug/l #	89
26) 2,2-Dichloropropane	7.13	77	2578	2.286	ug/l #	52
29) Tetrahydrofuran	7.50	42	295	1.398	ug/l #	65
31) Cyclohexane	7.94	56	2563	1.406	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	7440	5.405	ug/l #	52
38) Carbon Tetrachloride	7.95	117	9147	6.683	ug/l #	20
49) 1,4-Dioxane	9.38	88	48	5.868	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	1127	1.657	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	28561	54.169	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28561	115.933	ug/l #	7

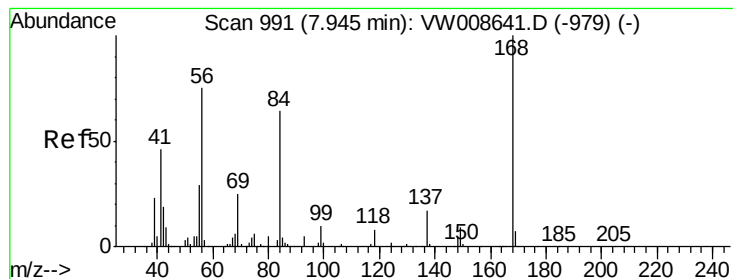
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW021519\
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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: VW008716.D

Acq: 16 Feb 2019 07:04

Instrument :

MSVOA_W

ClientSampleId :

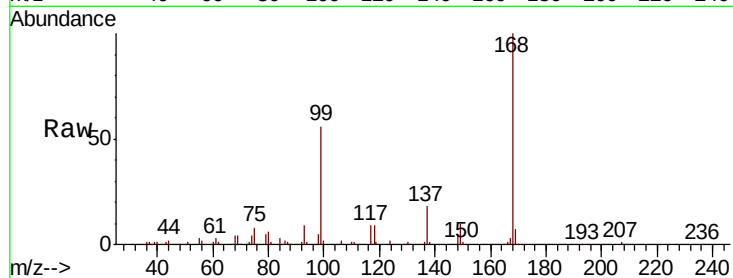
FK-BPM-004-CLEARBROOK-PILE-1

Tgt Ion:168 Resp: 95846

Ion Ratio Lower Upper

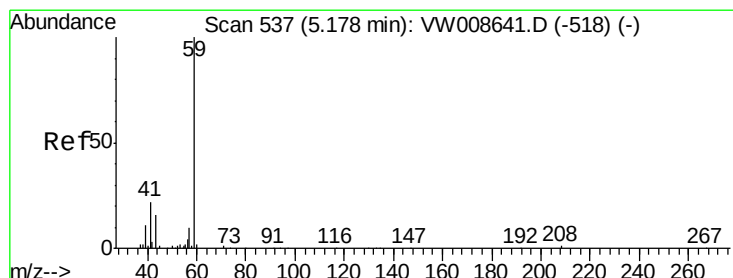
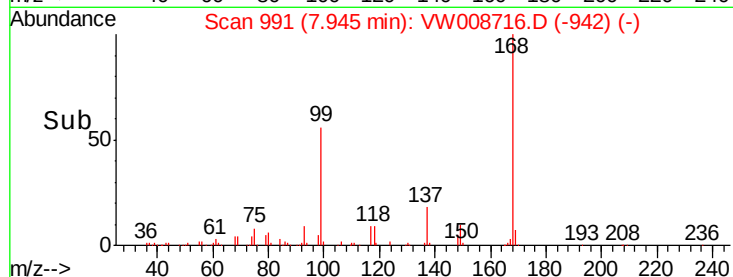
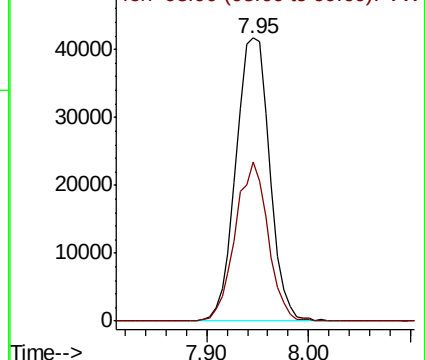
168 100

99 56.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.224 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW008716.D

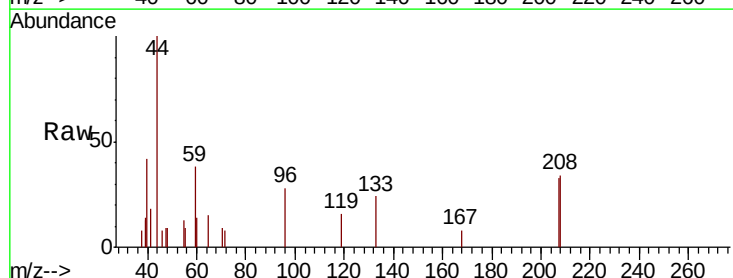
Acq: 16 Feb 2019 07:04

Tgt Ion: 59 Resp: 257

Ion Ratio Lower Upper

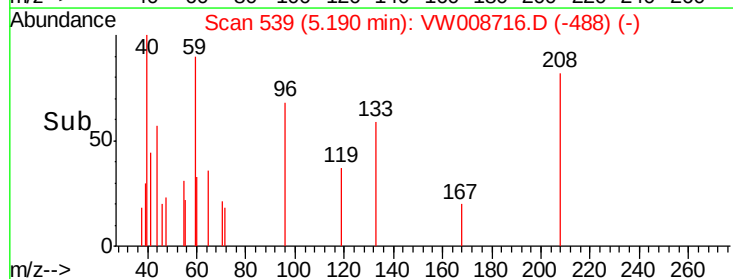
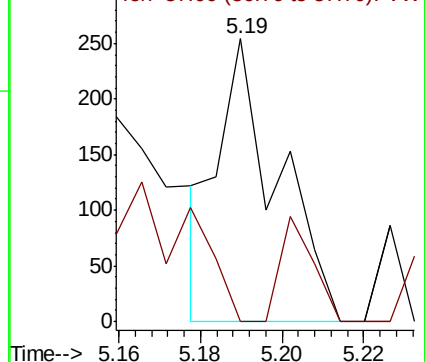
59 100

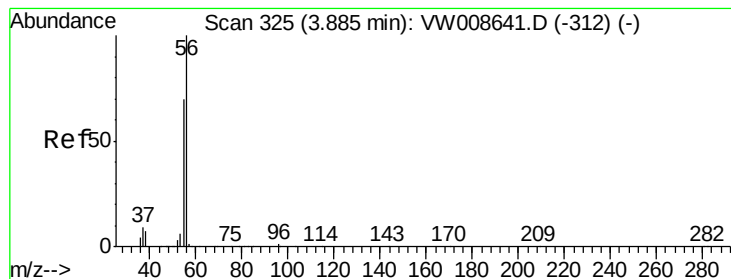
57 20.6 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.424 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008716.D

Acq: 16 Feb 2019 07:04

Instrument :

MSVOA_W

ClientSampleId :

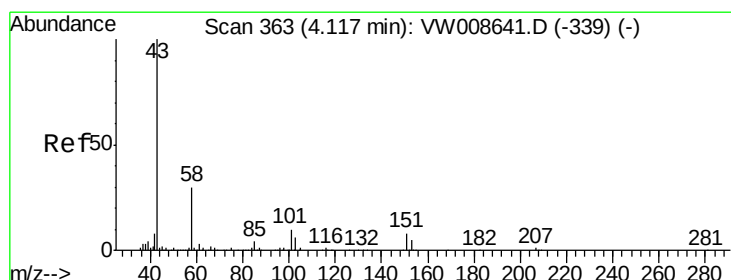
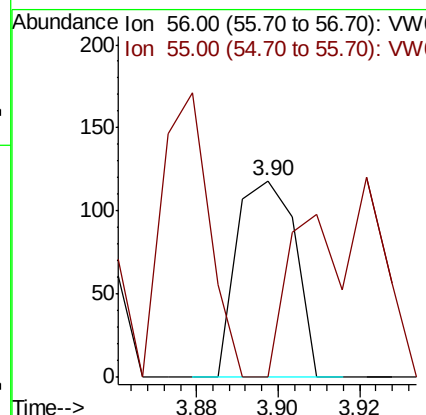
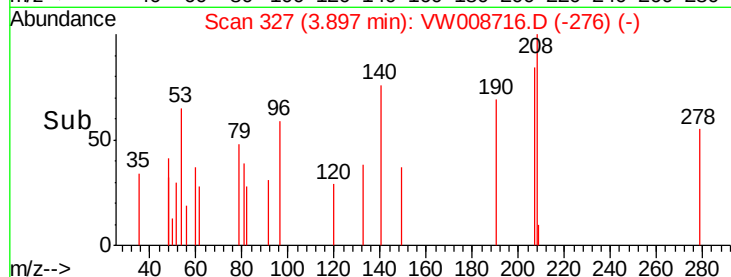
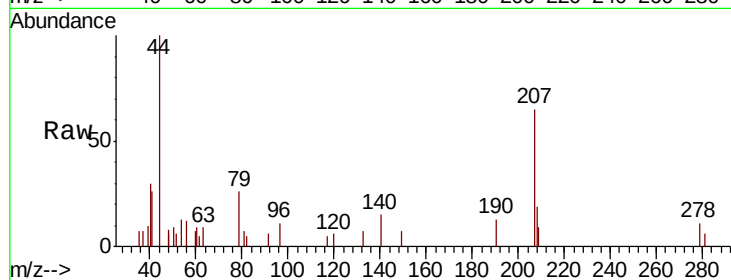
FK-BPM-004-CLEARBROOK-PILE-1

Tgt Ion: 56 Resp: 117

Ion Ratio Lower Upper

56 100

55 116.2 57.4 86.2#



#16

Acetone

Concen: 47.370 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008716.D

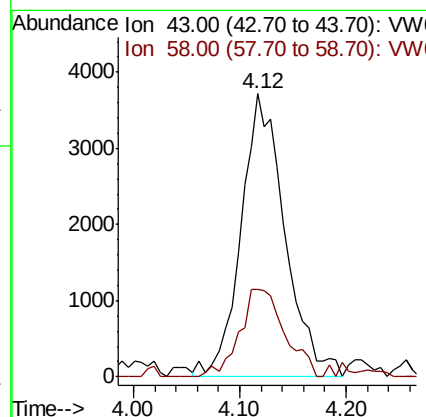
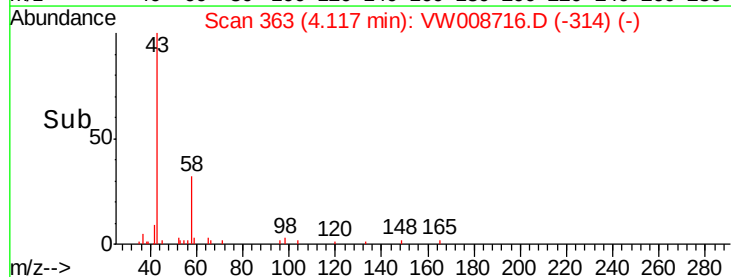
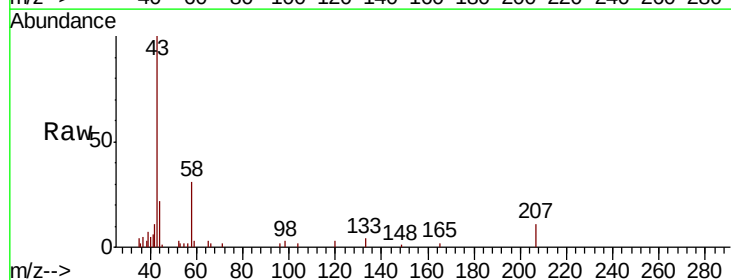
Acq: 16 Feb 2019 07:04

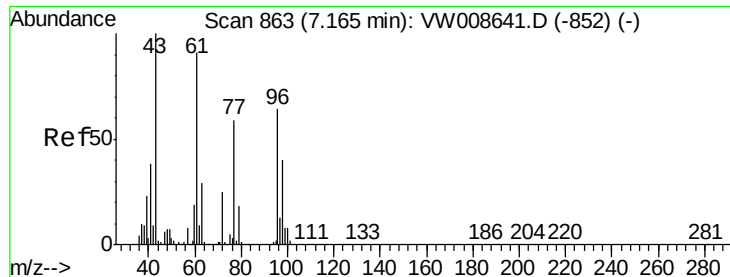
Tgt Ion: 43 Resp: 10741

Ion Ratio Lower Upper

43 100

58 30.9 24.1 36.1





#25

2-Butanone

Concen: 9.348 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008716.D

Acq: 16 Feb 2019 07:04

Instrument :

MSVOA_W

ClientSampleId :

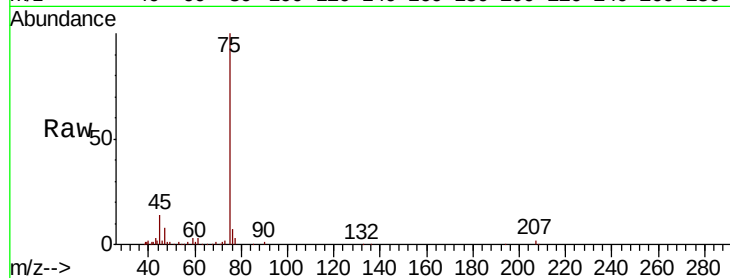
FK-BPM-004-CLEARBROOK-PILE-1

Tgt Ion: 43 Resp: 2993

Ion Ratio Lower Upper

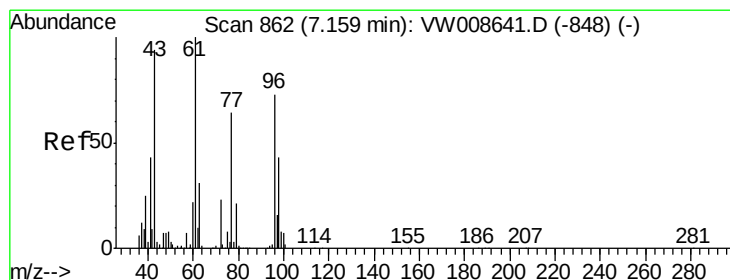
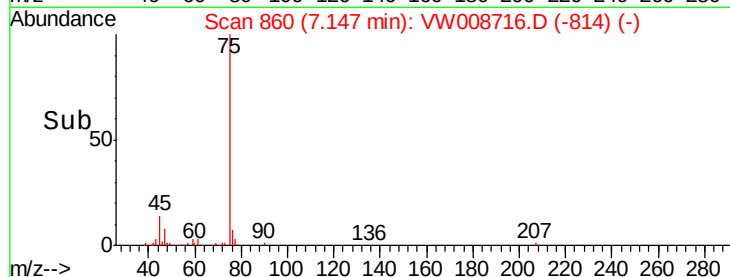
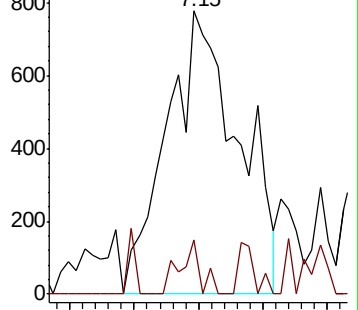
43 100

72 19.3 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: 2.286 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW008716.D

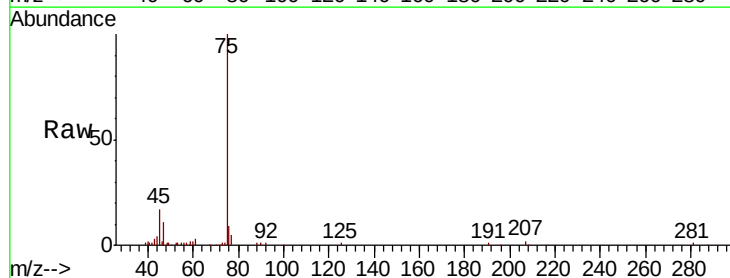
Acq: 16 Feb 2019 07:04

Tgt Ion: 77 Resp: 2578

Ion Ratio Lower Upper

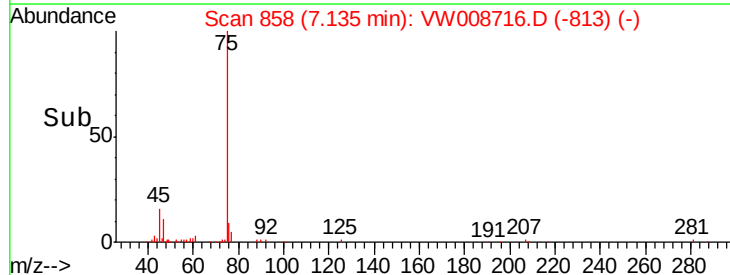
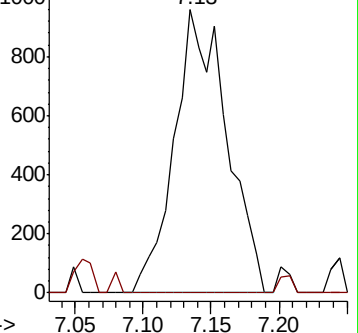
77 100

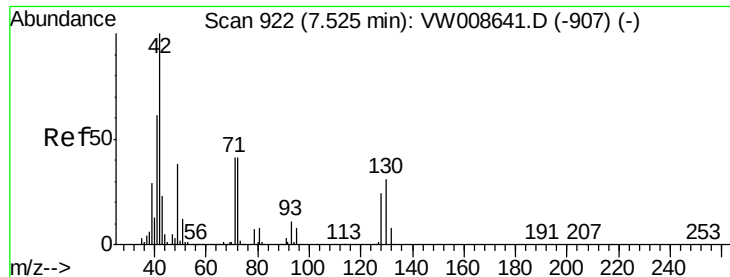
97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#29

Tetrahydrofuran

Concen: 1.398 ug/l

RT: 7.50 min Scan# 918

Delta R.T. -0.02 min

Lab File: VW008716.D

Acq: 16 Feb 2019 07:04

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

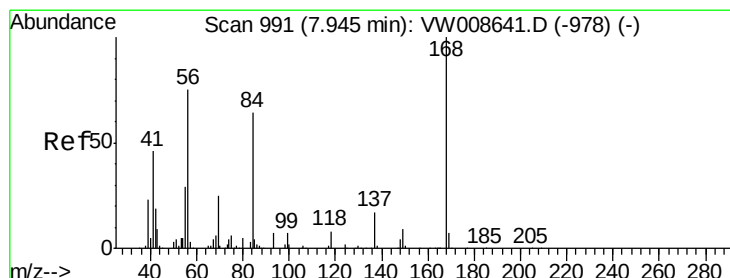
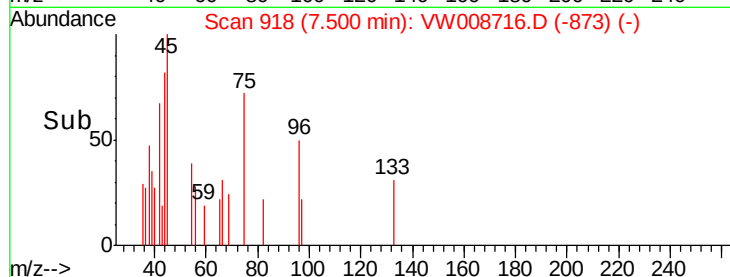
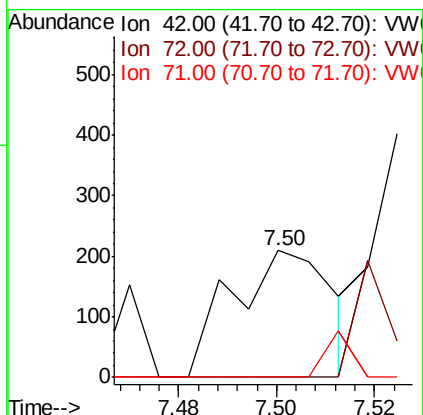
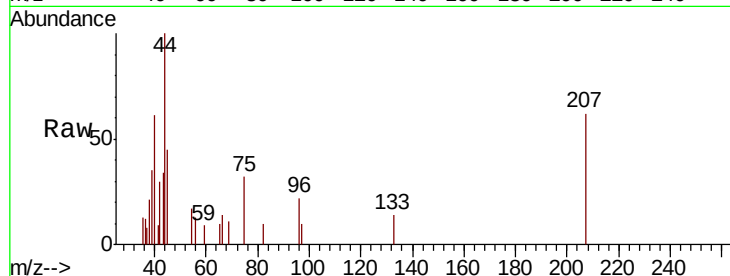
Tgt Ion: 42 Resp: 295

Ion Ratio Lower Upper

42 100

72 53.6 32.2 48.2#

71 9.5 31.0 46.6#



#31

Cyclohexane

Concen: 1.406 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008716.D

Acq: 16 Feb 2019 07:04

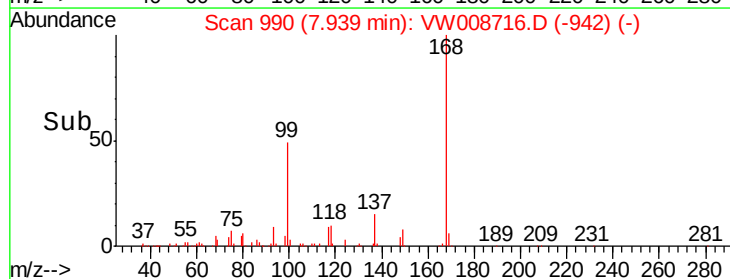
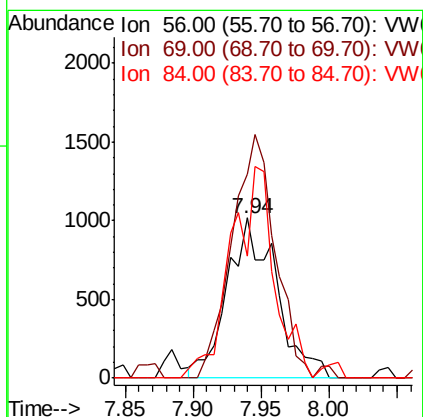
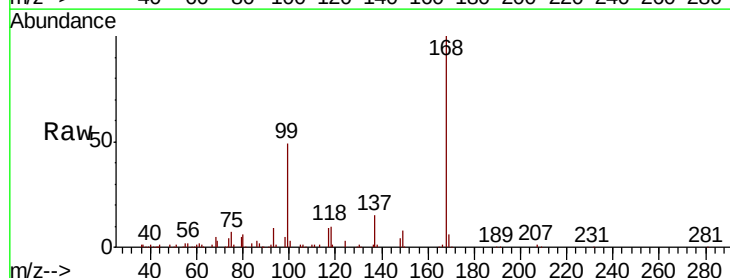
Tgt Ion: 56 Resp: 2563

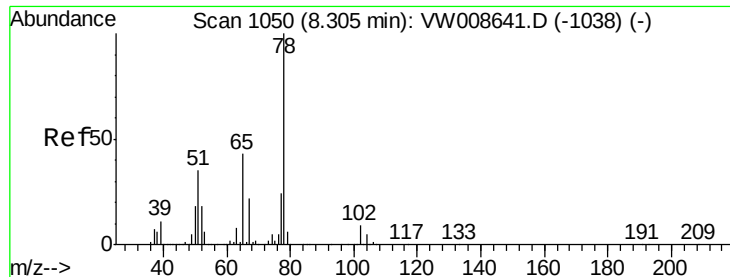
Ion Ratio Lower Upper

56 100

69 127.4 26.4 39.6#

84 70.2 67.4 101.2

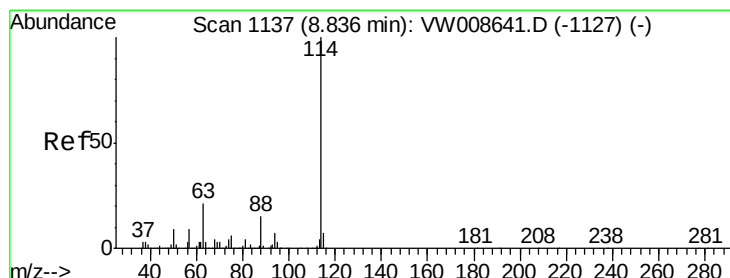
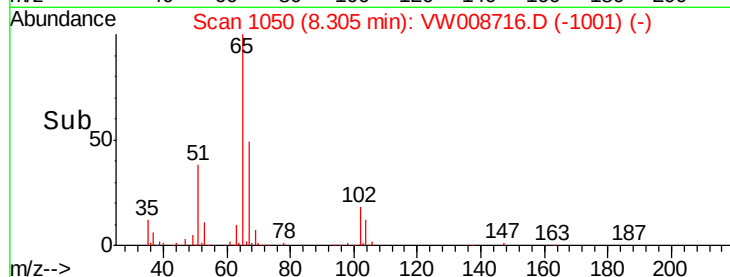
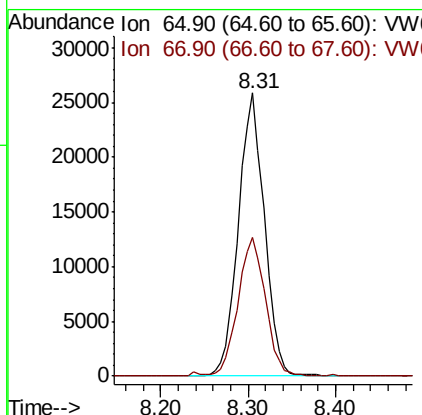
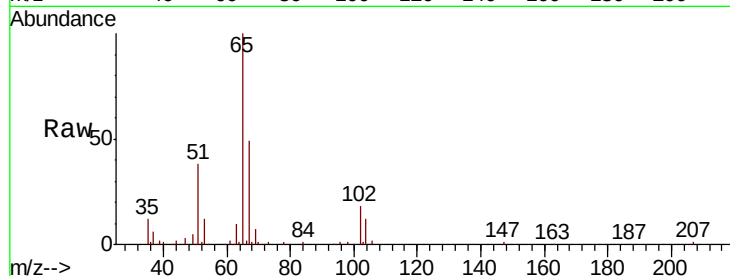




#33
 1,2-Dichloroethane-d4
 Concen: 53.738 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008716.D
 Acq: 16 Feb 2019 07:04

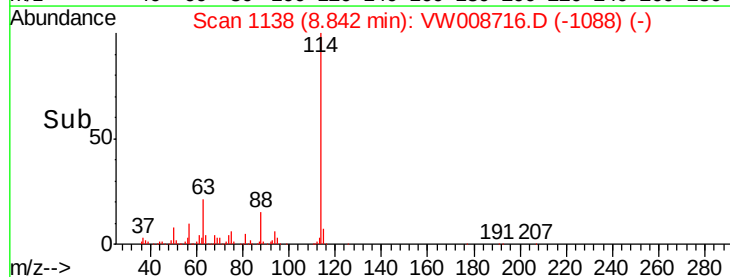
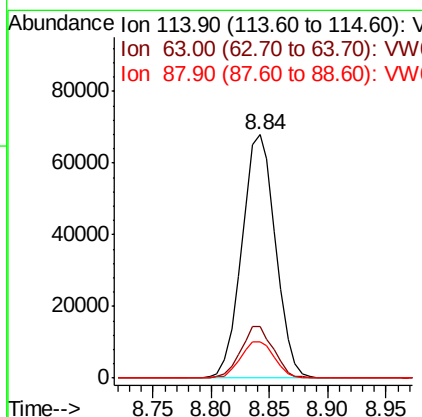
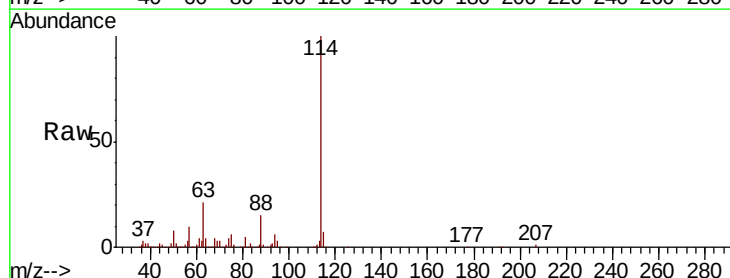
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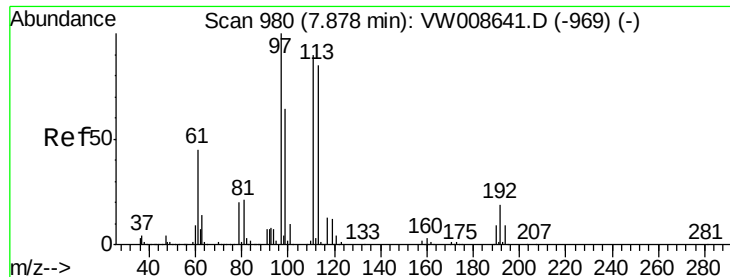
Tgt Ion: 65 Resp: 53547
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008716.D
 Acq: 16 Feb 2019 07:04

Tgt Ion: 114 Resp: 137004
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.2
 88 14.9 0.0 29.6

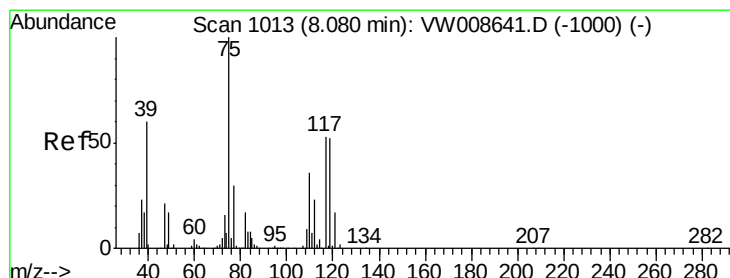
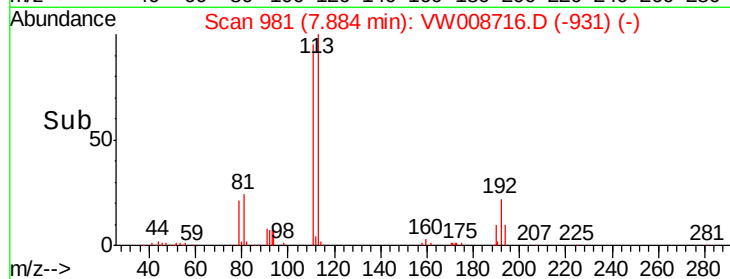
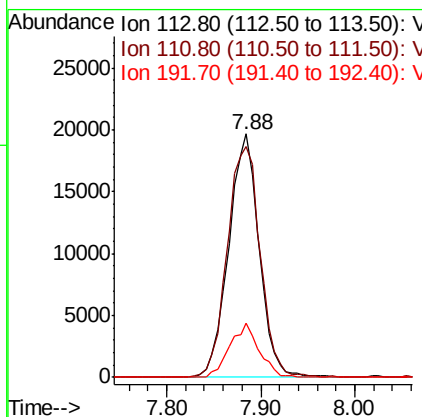
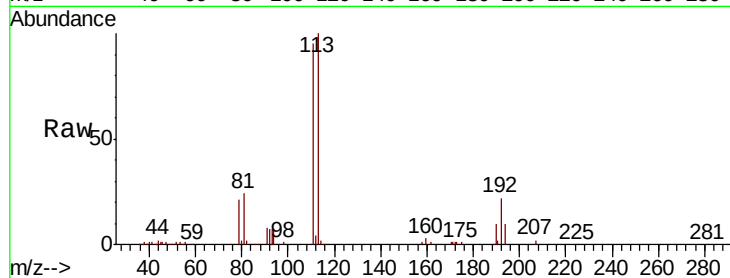




#35
 Dibromofluoromethane
 Concen: 51.967 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW008716.D
 Acq: 16 Feb 2019 07:04

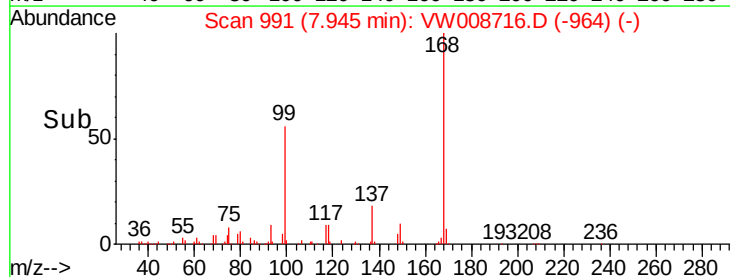
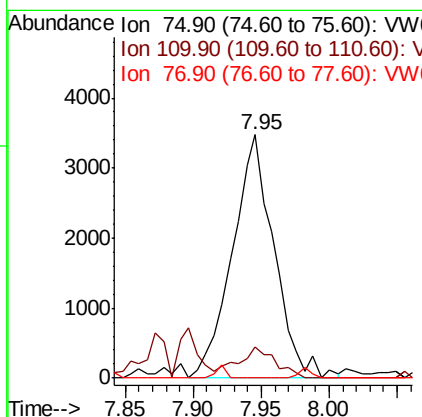
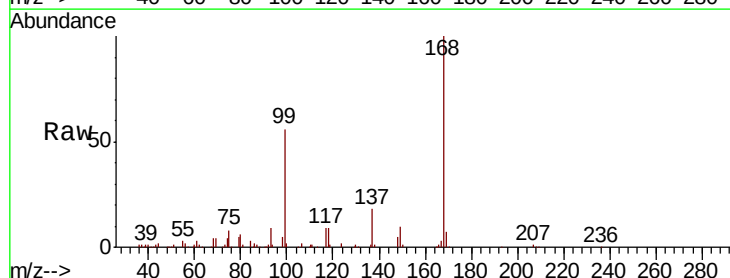
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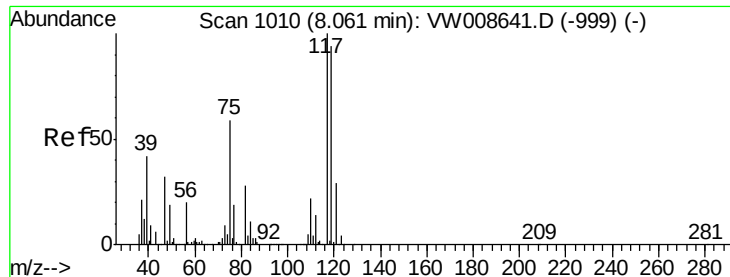
Tgt Ion: 113 Resp: 44209
 Ion Ratio Lower Upper
 113 100
 111 102.8 84.0 126.0
 192 21.4 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.405 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008716.D
 Acq: 16 Feb 2019 07:04

Tgt Ion: 75 Resp: 7440
 Ion Ratio Lower Upper
 75 100
 110 11.5 17.8 53.3#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.683 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008716.D

Acq: 16 Feb 2019 07:04

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

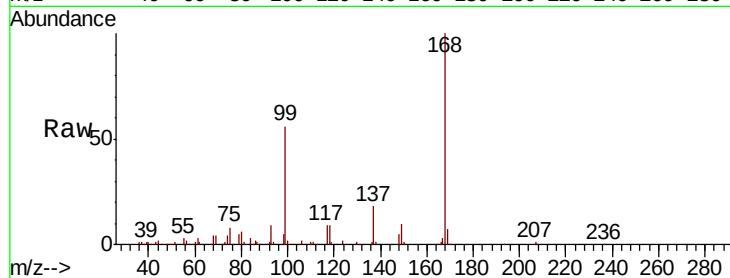
Tgt Ion: 117 Resp: 9147

Ion Ratio Lower Upper

117 100

119 9.1 75.1 112.7#

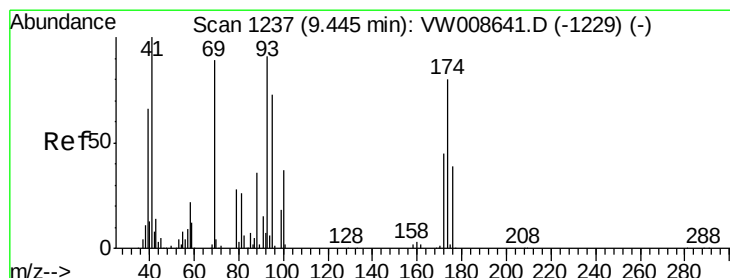
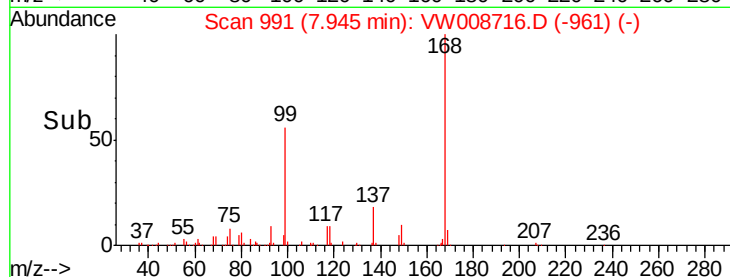
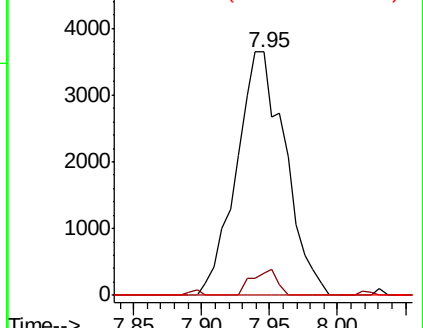
121 0.0 23.5 35.3#



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



#49

1,4-Dioxane

Concen: 5.868 ug/l

RT: 9.38 min Scan# 1226

Delta R.T. -0.07 min

Lab File: VW008716.D

Acq: 16 Feb 2019 07:04

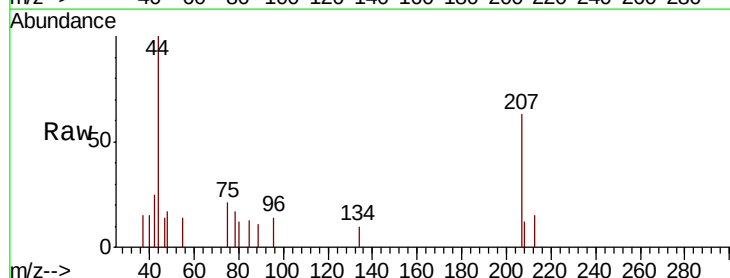
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 175.0 31.0 46.6#

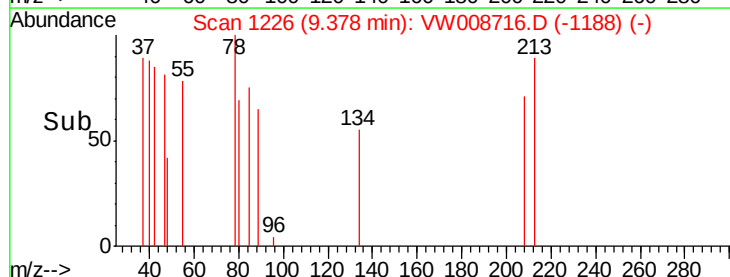
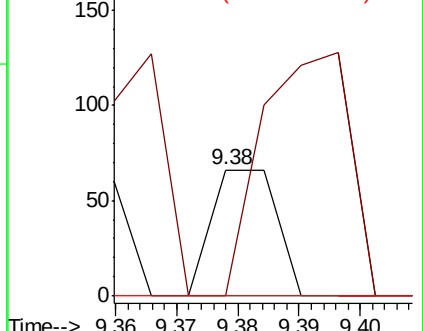
58 0.0 57.0 85.6#

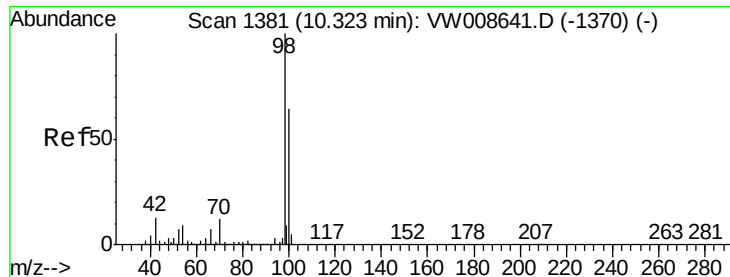


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.213 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008716.D

Acq: 16 Feb 2019 07:04

Instrument :

MSVOA_W

ClientSampleId :

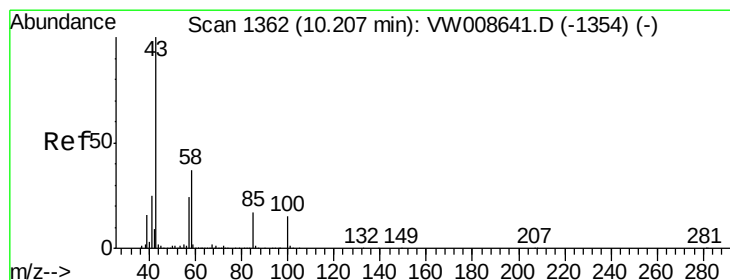
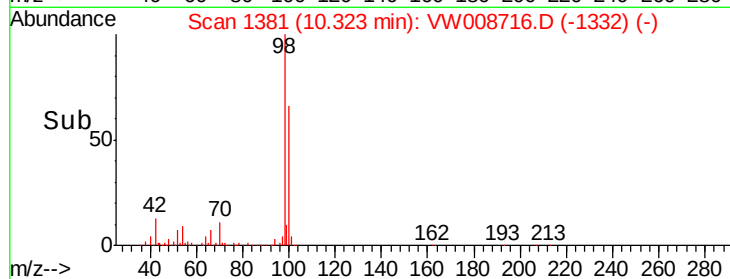
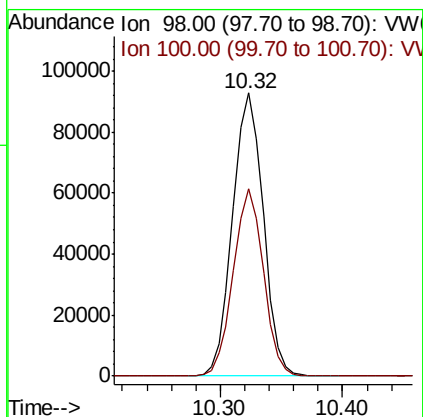
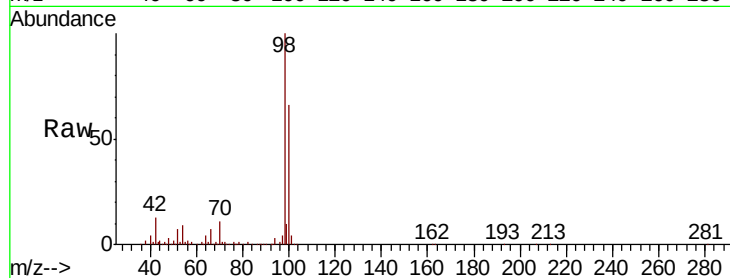
FK-BPM-004-CLEARBROOK-PILE-1

Tgt Ion: 98 Resp: 161387

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.657 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008716.D

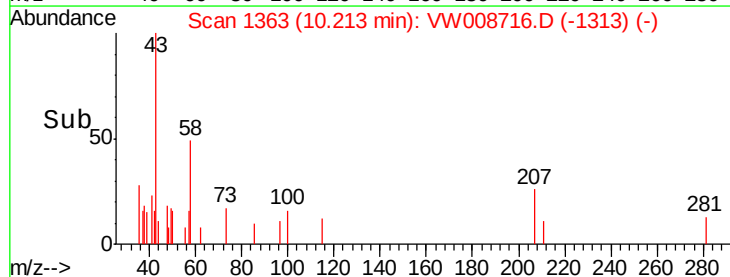
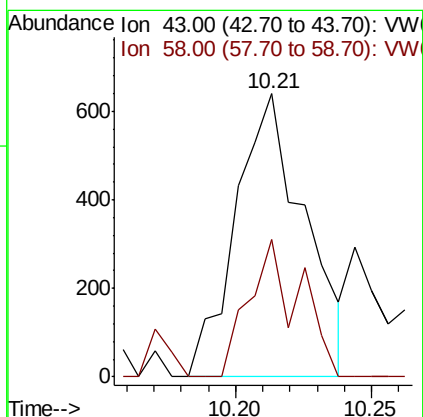
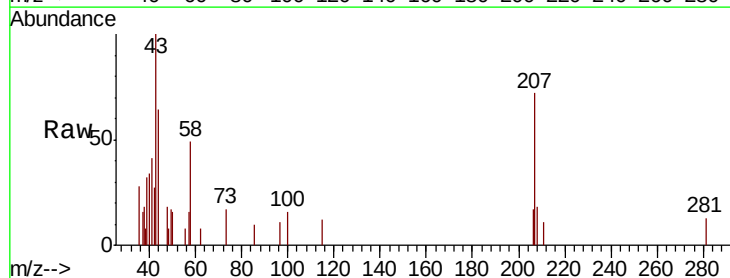
Acq: 16 Feb 2019 07:04

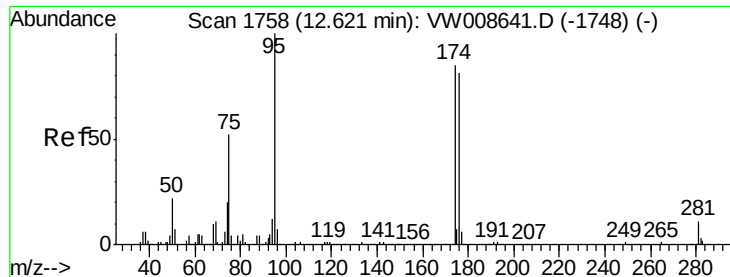
Tgt Ion: 43 Resp: 1127

Ion Ratio Lower Upper

43 100

58 35.7 29.0 43.6





#62

4-Bromofluorobenzene

Concen: 43.453 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008716.D

Acq: 16 Feb 2019 07:04

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

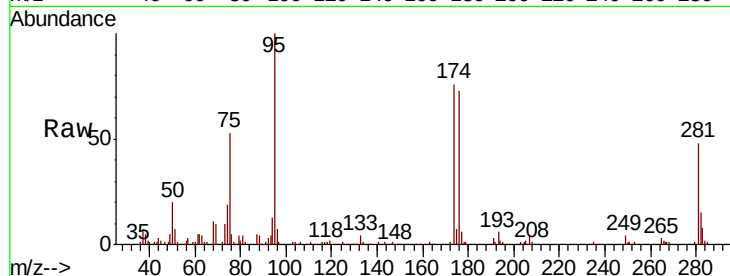
Tgt Ion: 95 Resp: 53675

Ion Ratio Lower Upper

95 100

174 84.8 0.0 163.2

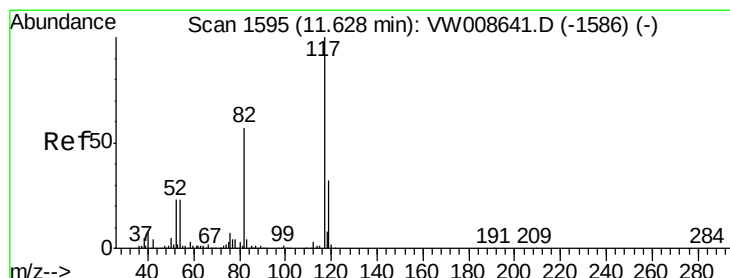
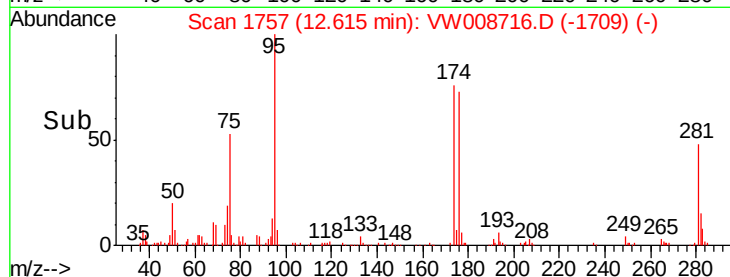
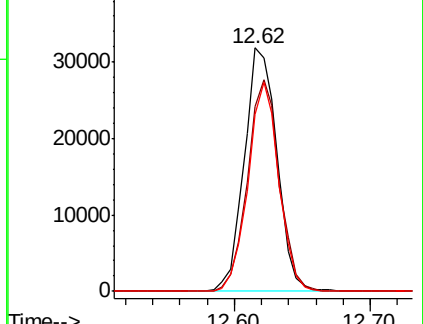
176 81.0 0.0 158.0



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# 1595

Delta R.T. -0.00 min

Lab File: VW008716.D

Acq: 16 Feb 2019 07:04

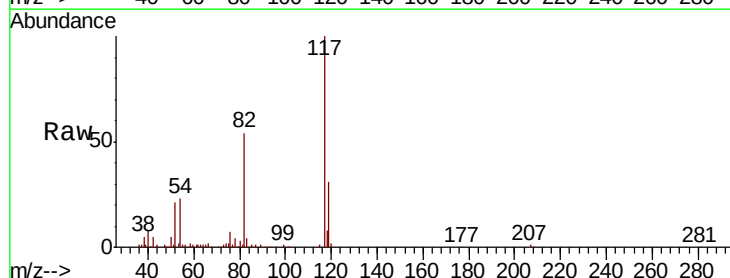
Tgt Ion: 117 Resp: 120542

Ion Ratio Lower Upper

117 100

82 54.1 45.6 68.4

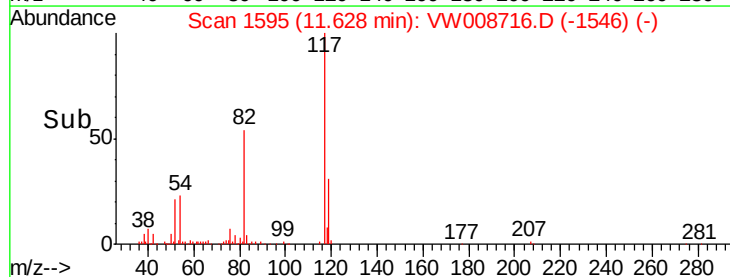
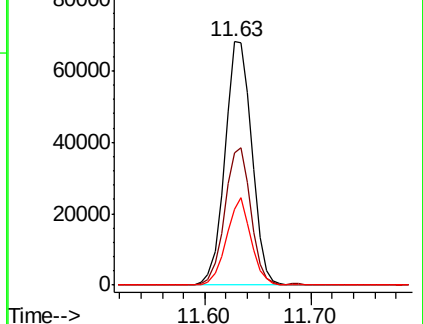
119 31.2 25.7 38.5

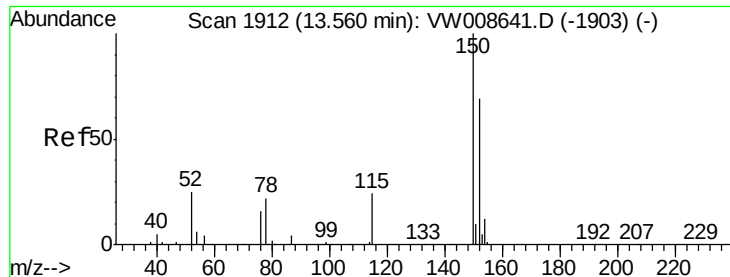


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008716.D

Acq: 16 Feb 2019 07:04

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

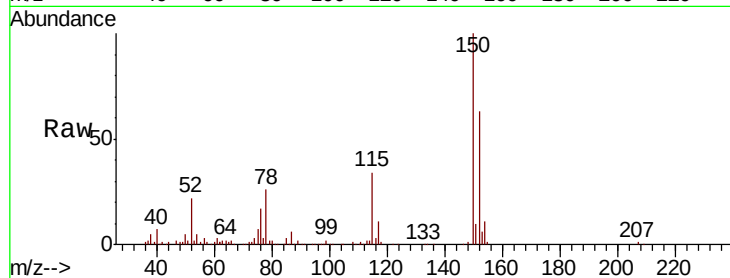
Tgt Ion:152 Resp: 53396

Ion Ratio Lower Upper

152 100

115 57.0 29.3 87.8

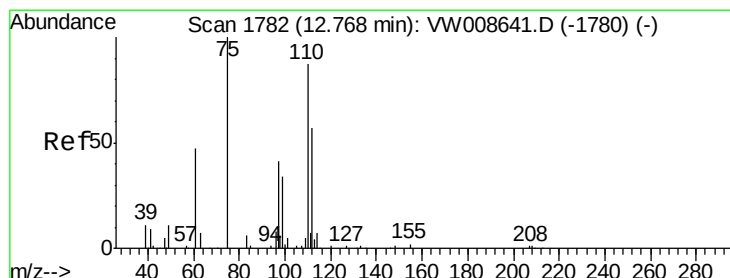
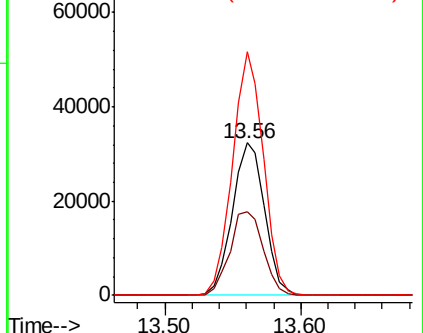
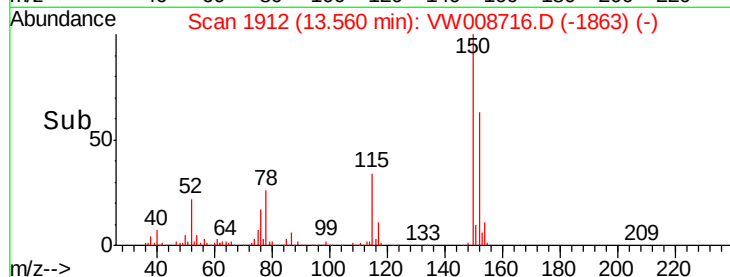
150 152.8 0.0 352.8



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: 54.169 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008716.D

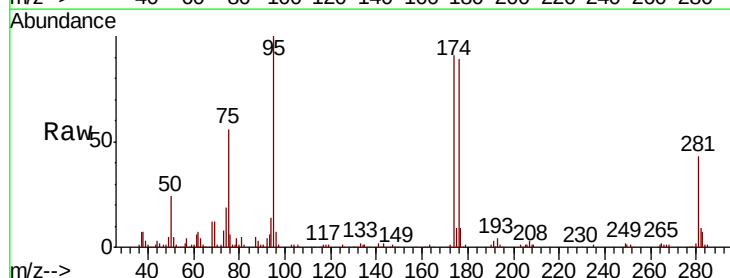
Acq: 16 Feb 2019 07:04

Tgt Ion: 75 Resp: 28561

Ion Ratio Lower Upper

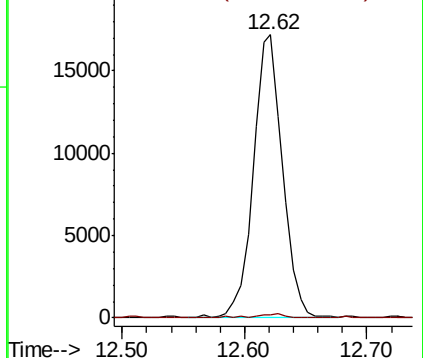
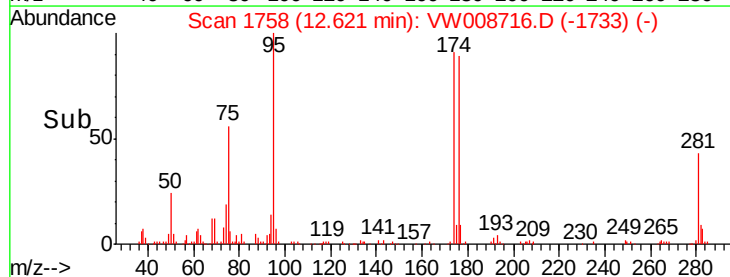
75 100

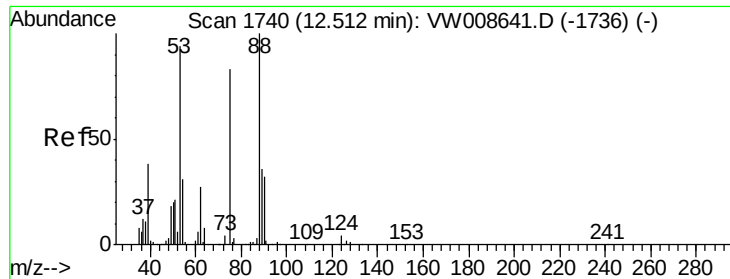
77 1.3 0.0 0.0#



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: 115.933 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008716.D

Acq: 16 Feb 2019 07:04

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

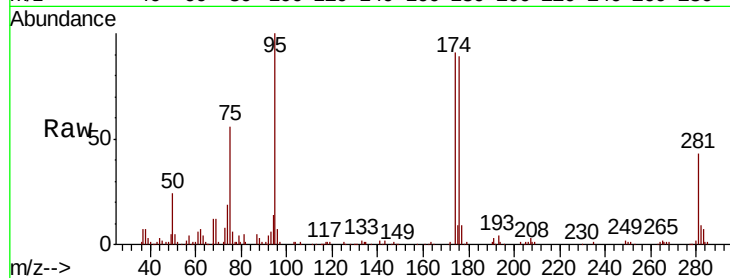
Tgt Ion: 75 Resp: 28561

Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.0#

89 0.5 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

