

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
 Data File : VW004212.D
 Acq On : 26 Jul 2018 00:13
 Operator : SY/AP
 Sample : J4141-02
 Misc : 10.27G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-03-001-ABCD

Quant Time: Jul 26 05:13:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	379917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	115862	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	151655	59.45	ug/l	0.00
Spiked Amount			Recovery	=	118.90%	
35) Dibromofluoromethane	7.88	113	108001	44.31	ug/l	0.00
Spiked Amount			Recovery	=	88.62%	
50) Toluene-d8	10.33	98	430291	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	
62) 4-Bromofluorobenzene	12.62	95	115033	33.73	ug/l	0.00
Spiked Amount			Recovery	=	67.46%	

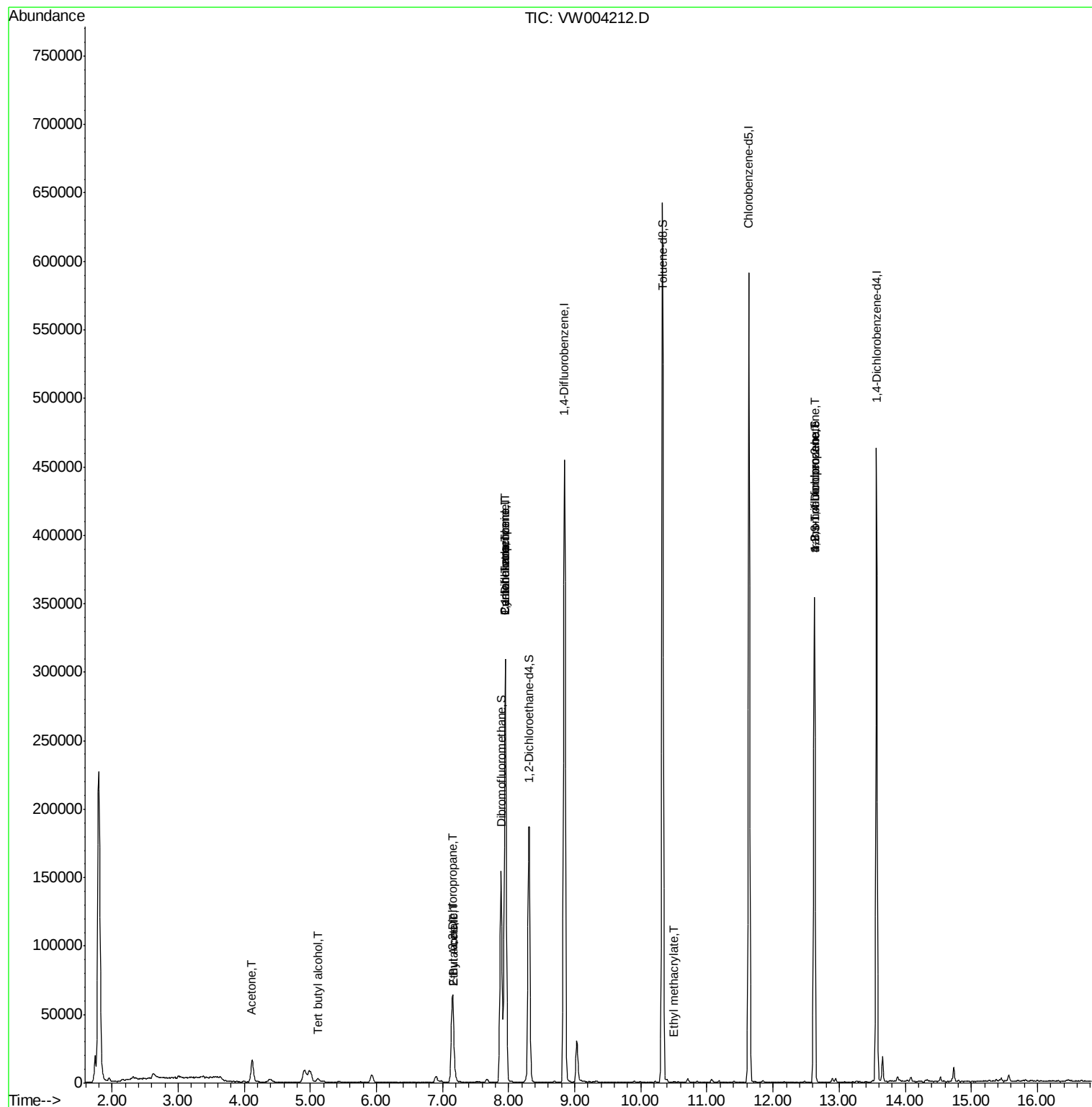
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	2735	15.532	ug/l #	72
16) Acetone	4.12	43	28760	46.920	ug/l	99
20) Methylene Chloride	4.91	84	7513	Below Cal		93
25) 2-Butanone	7.18	43	7317	8.871	ug/l	93
26) 2,2-Dichloropropane	7.15	77	4501	1.737	ug/l #	52
31) Cyclohexane	7.95	56	5285	1.249	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18765	4.801	ug/l #	50
37) Ethyl Acetate	7.18	43	7317	3.881	ug/l #	70
38) Carbon Tetrachloride	7.95	117	22812	6.246	ug/l #	18
56) Ethyl methacrylate	10.49	69	23	2.953	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	59597	51.813	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	59597	114.608	ug/l #	11

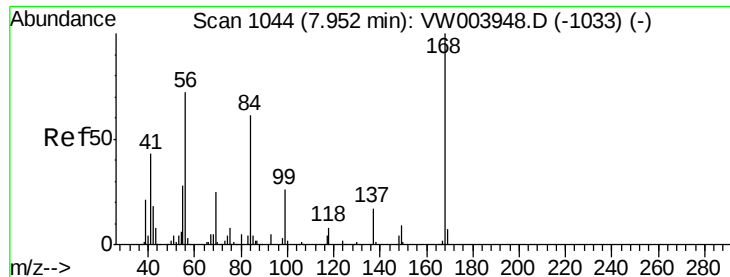
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004212.D

Acq: 26 Jul 2018 00:13

Instrument :

MSVOA_W

ClientSampleId :

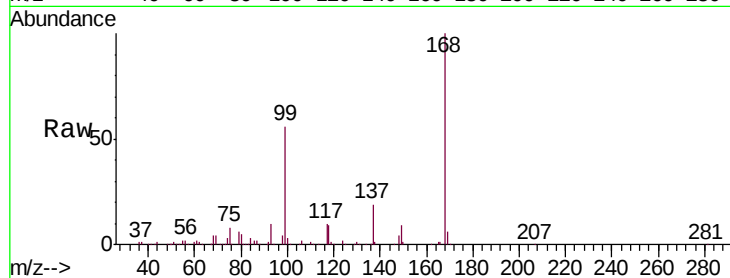
FK-BPM-03-001-ABCD

Tgt Ion:168 Resp: 228198

Ion Ratio Lower Upper

168 100

99 56.4 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

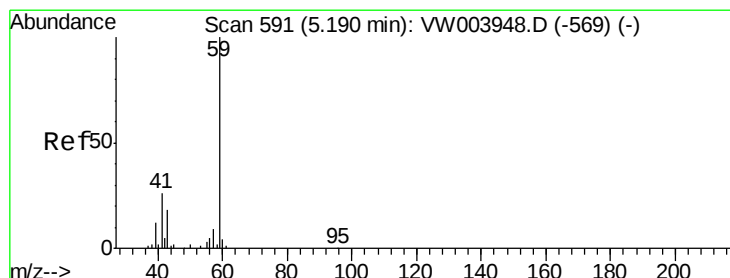
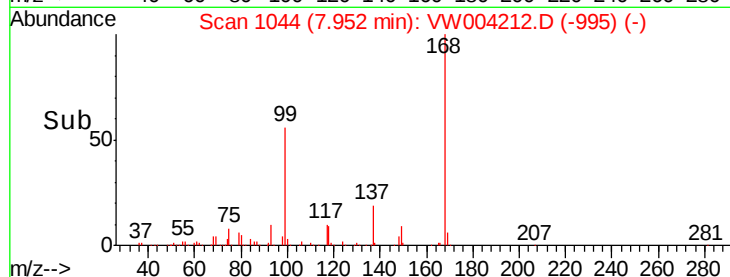
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 15.532 ug/l

RT: 5.12 min Scan# 579

Delta R.T. -0.07 min

Lab File: VW004212.D

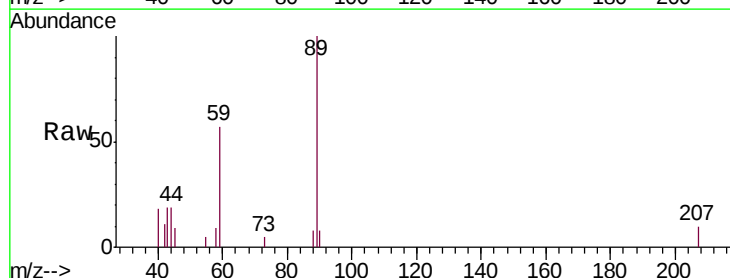
Acq: 26 Jul 2018 00:13

Tgt Ion: 59 Resp: 2735

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

800

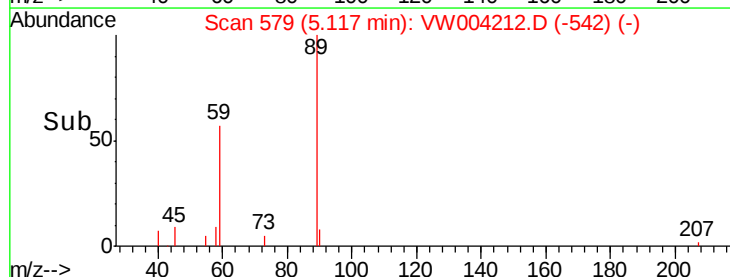
600

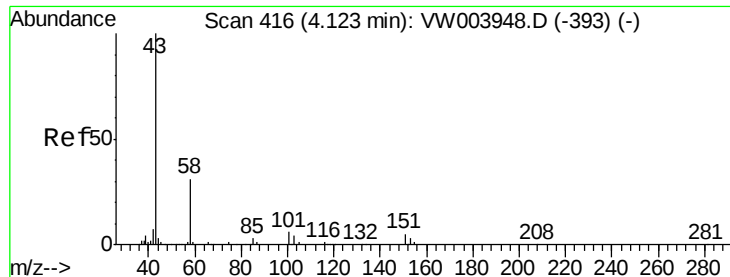
400

200

0

Time-->





#16

Acetone

Concen: 46.920 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW004212.D

Acq: 26 Jul 2018 00:13

Instrument :

MSVOA_W

ClientSampleId :

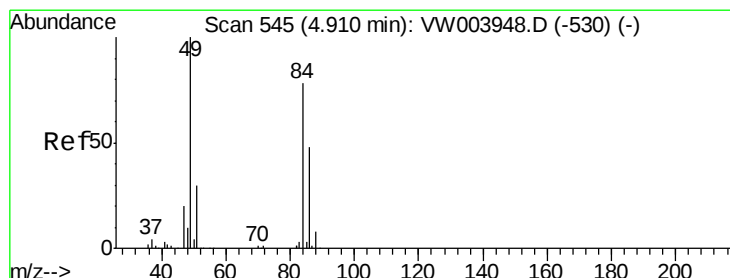
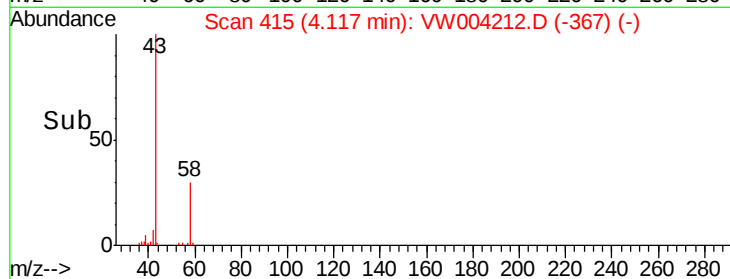
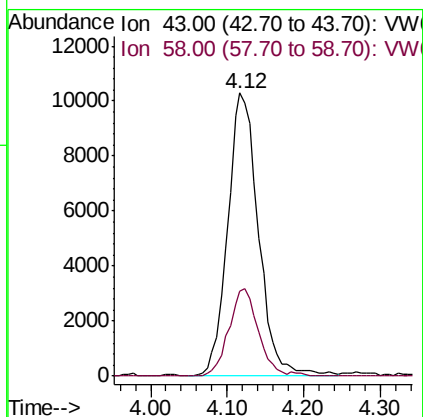
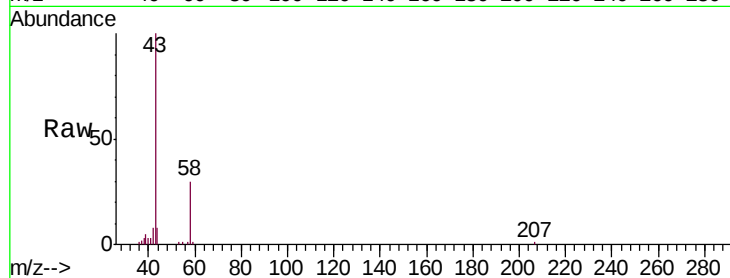
FK-BPM-03-001-ABCD

Tgt Ion: 43 Resp: 28760

Ion Ratio Lower Upper

43 100

58 30.1 24.5 36.7



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW004212.D

Acq: 26 Jul 2018 00:13

Tgt Ion: 84 Resp: 7513

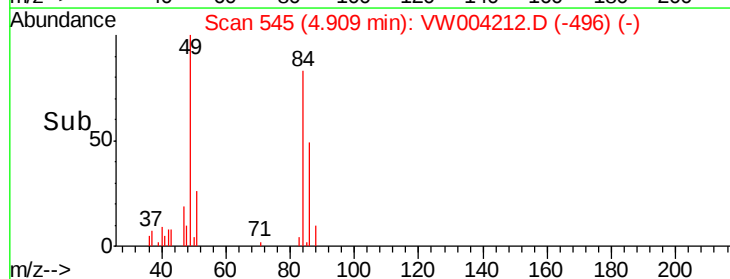
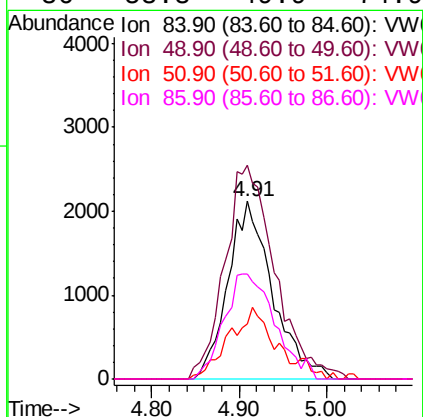
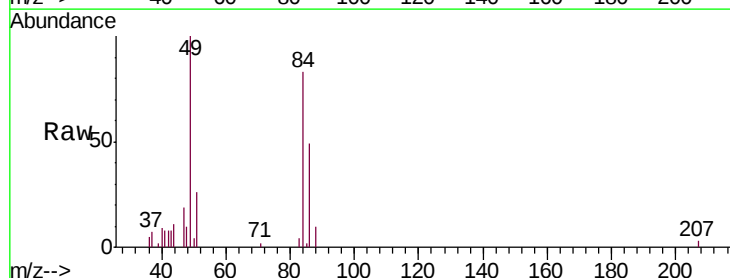
Ion Ratio Lower Upper

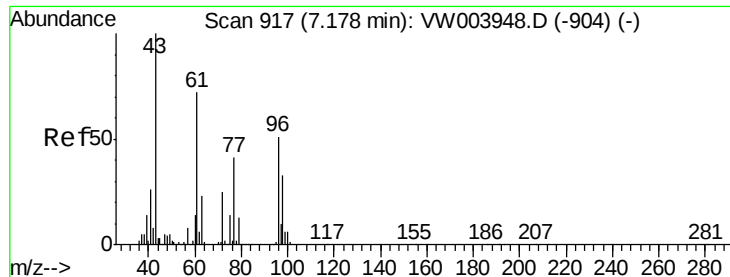
84 100

49 120.1 102.9 154.3

51 31.0 30.9 46.3

86 58.8 49.9 74.9





#25

2-Butanone

Concen: 8.871 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004212.D

Acq: 26 Jul 2018 00:13

Instrument :

MSVOA_W

ClientSampleId :

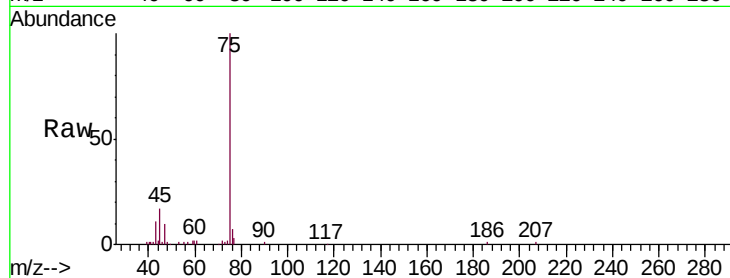
FK-BPM-03-001-ABCD

Tgt Ion: 43 Resp: 7317

Ion Ratio Lower Upper

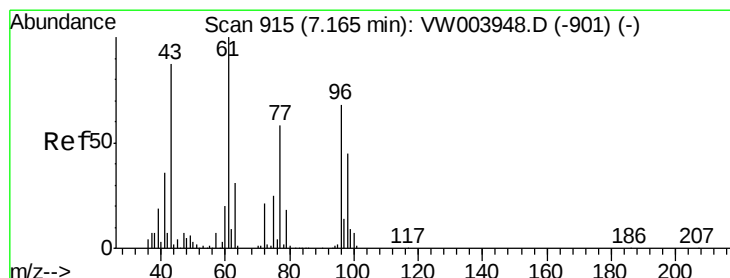
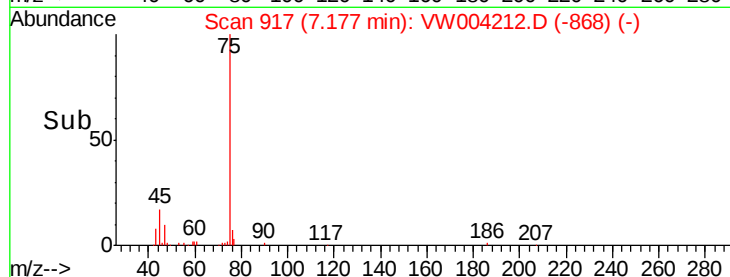
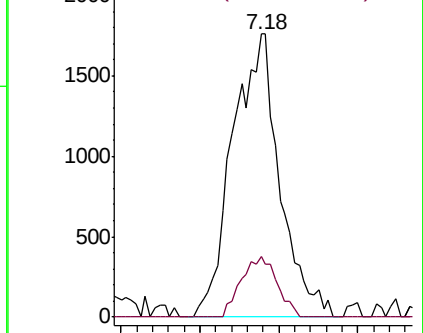
43 100

72 21.3 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.737 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW004212.D

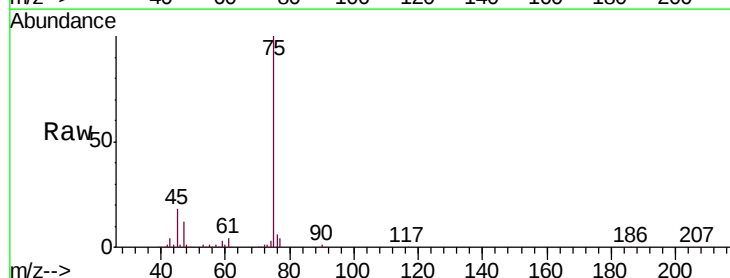
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Tgt Ion: 77 Resp: 4501

Ion Ratio Lower Upper

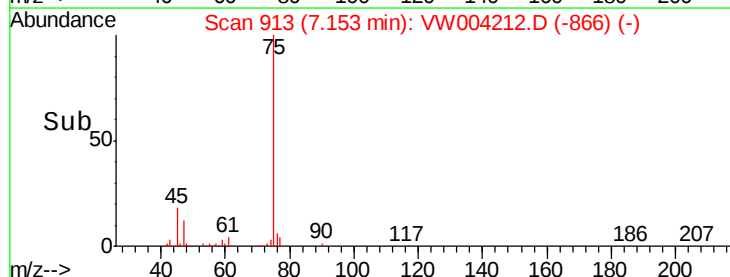
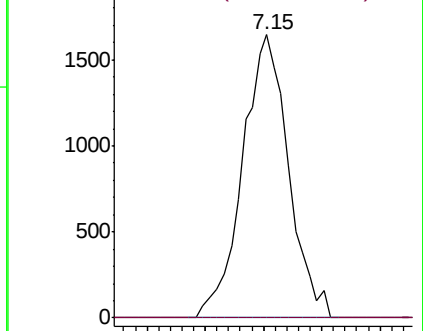
77 100

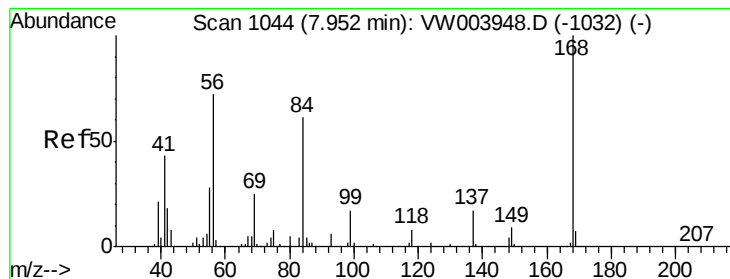
97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#31

Cyclohexane

Concen: 1.249 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004212.D

Acq: 26 Jul 2018 00:13

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-03-001-ABCD

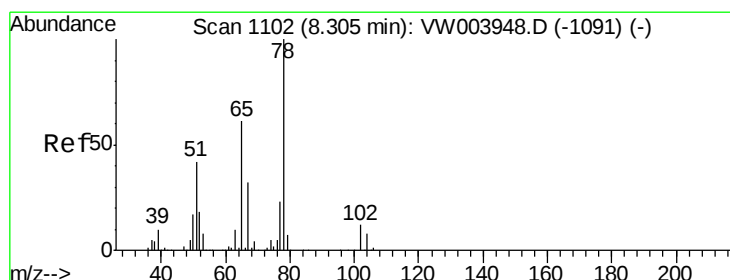
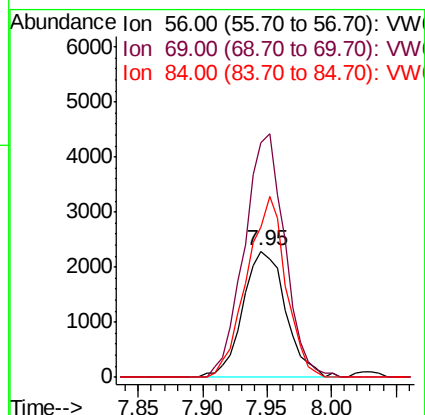
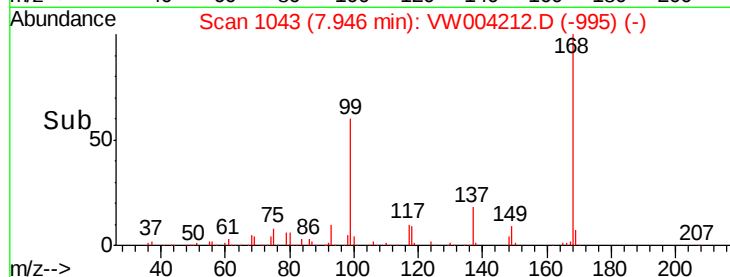
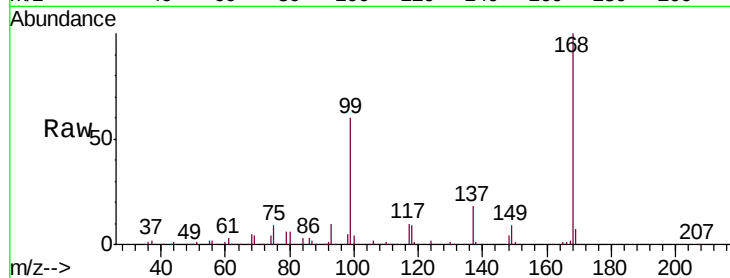
Tgt Ion: 56 Resp: 5285

Ion Ratio Lower Upper

56 100

69 186.5 27.8 41.8#

84 119.4 67.2 100.8#



#33

1,2-Dichloroethane-d4

Concen: 59.454 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW004212.D

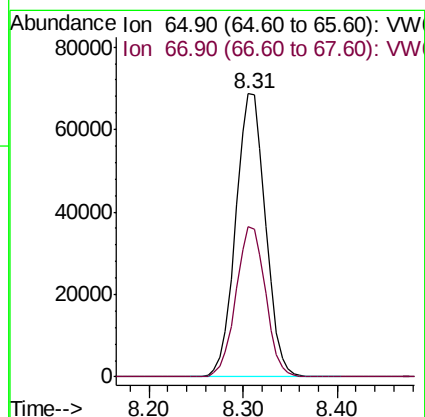
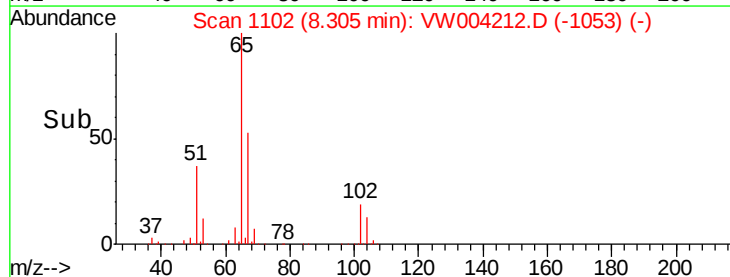
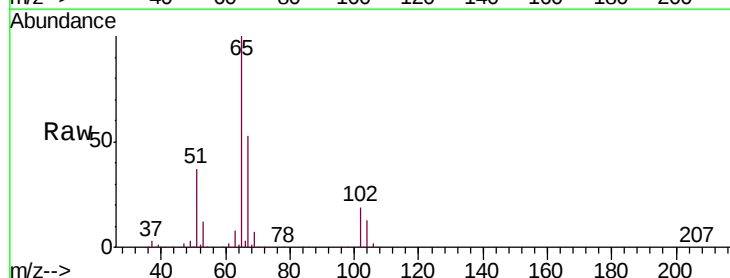
Acq: 26 Jul 2018 00:13

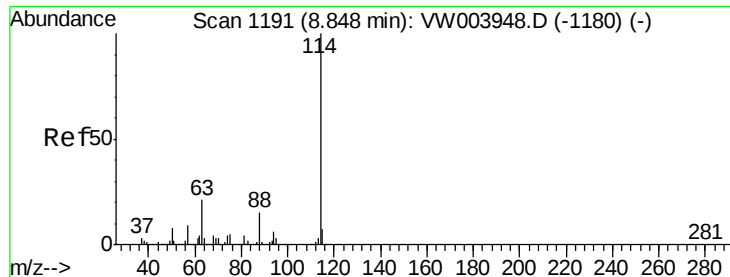
Tgt Ion: 65 Resp: 151655

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.0

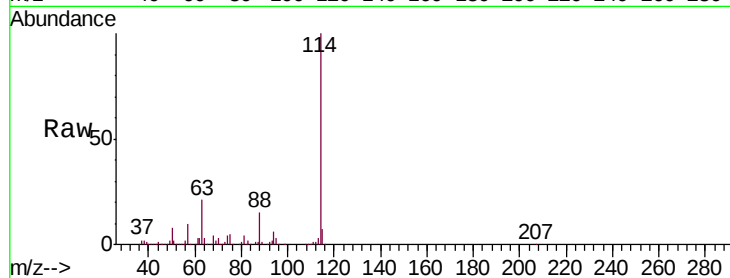




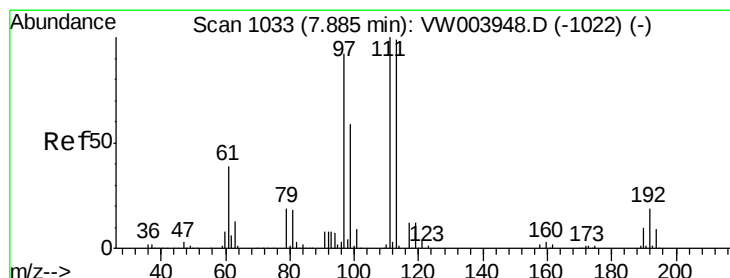
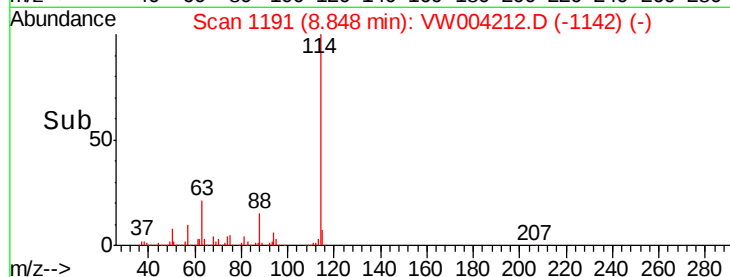
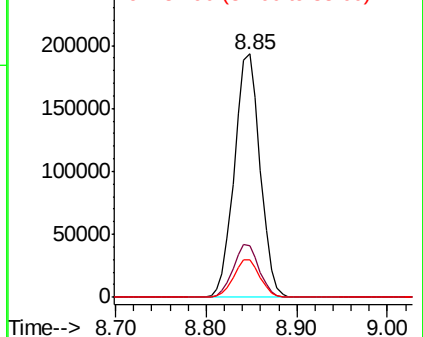
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004212.D
 Acq: 26 Jul 2018 00:13

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-03-001-ABCD

Tgt Ion:114 Resp: 379917
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.8
 88 15.2 0.0 30.4

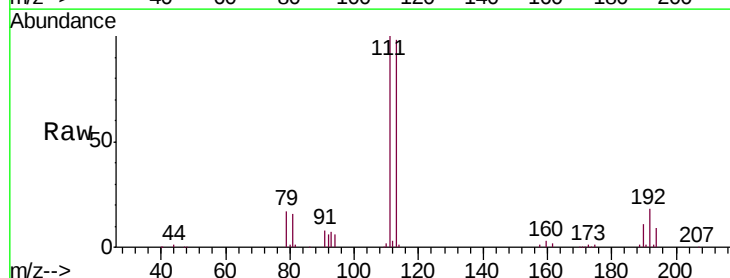


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

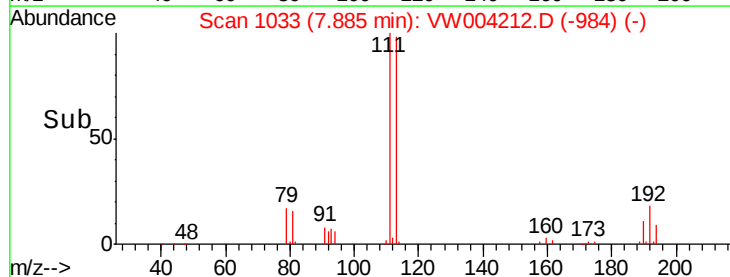
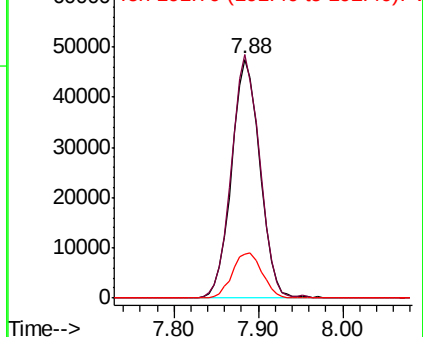


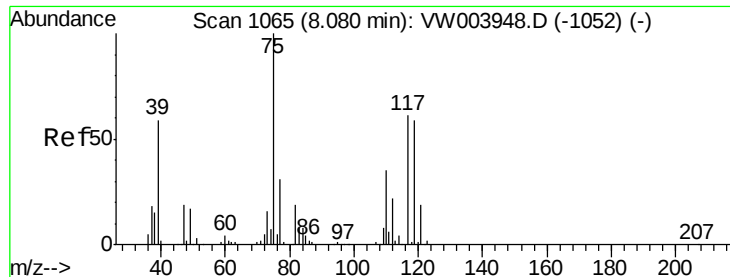
#35
 Dibromofluoromethane
 Concen: 44.306 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004212.D
 Acq: 26 Jul 2018 00:13

Tgt Ion:113 Resp: 108001
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.3 121.9
 192 19.9 15.8 23.6



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

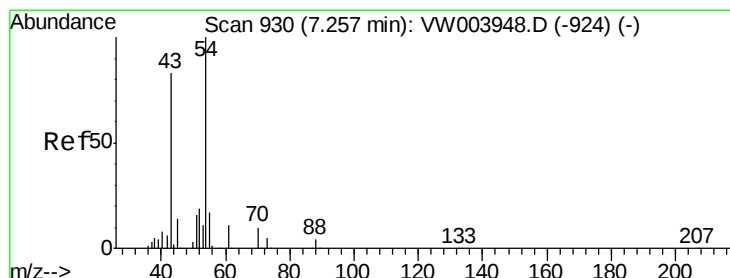
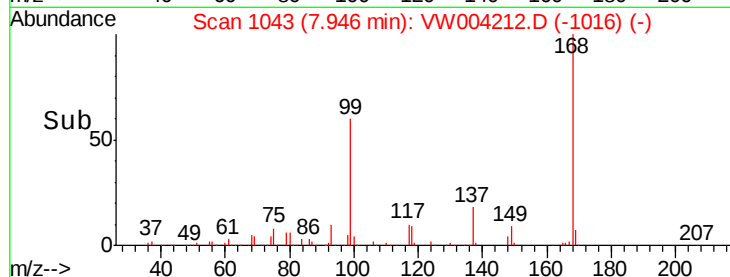
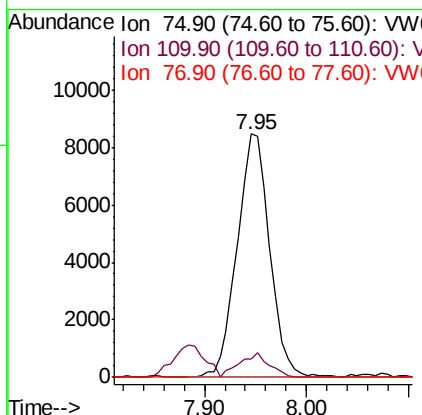
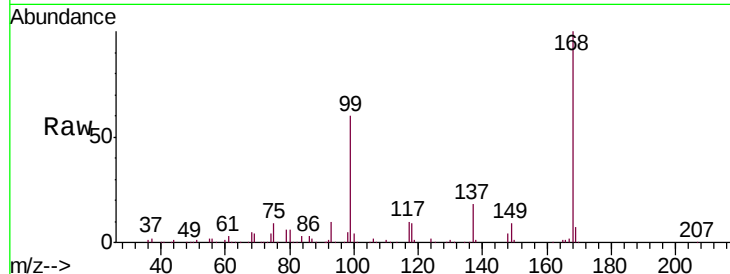




#36
 1,1-Dichloropropene
 Concen: 4.801 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004212.D
 Acq: 26 Jul 2018 00:13

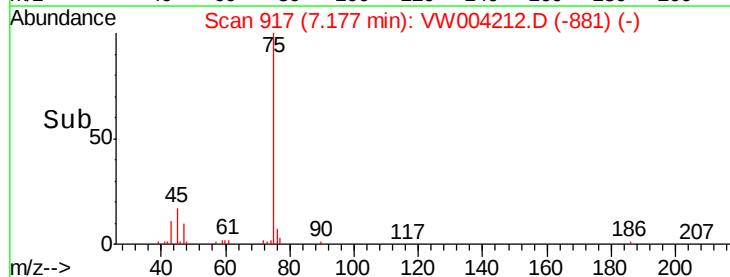
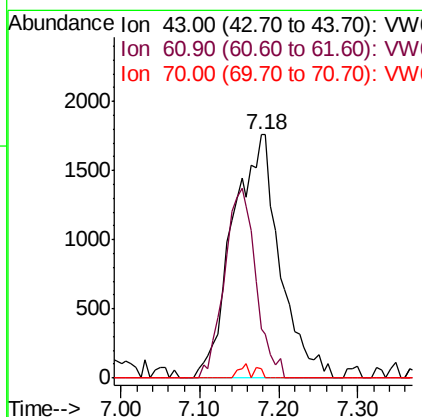
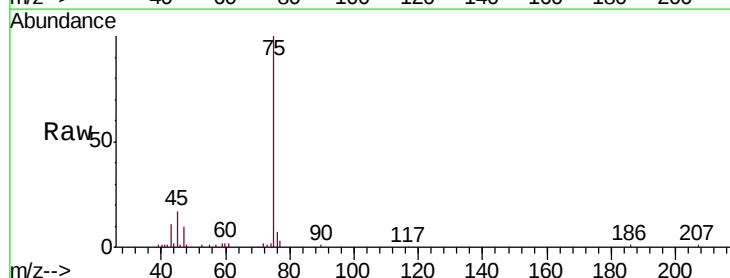
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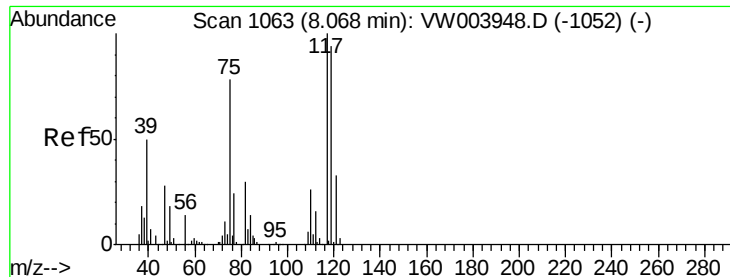
Tgt Ion: 75 Resp: 18765
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.0 51.0#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 3.881 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. -0.08 min
 Lab File: VW004212.D
 Acq: 26 Jul 2018 00:13

Tgt Ion: 43 Resp: 7317
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.7 16.1#
 70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 6.246 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004212.D

Acq: 26 Jul 2018 00:13

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-03-001-ABCD

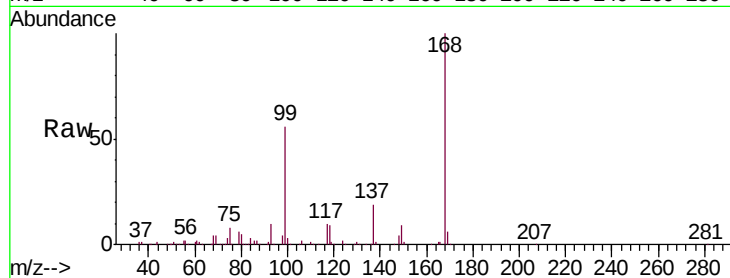
Tgt Ion:117 Resp: 22812

Ion Ratio Lower Upper

117 100

119 6.8 75.3 112.9#

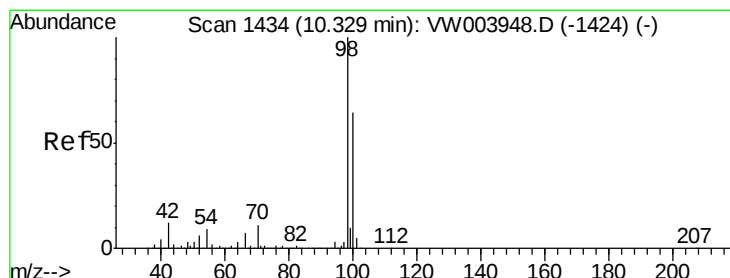
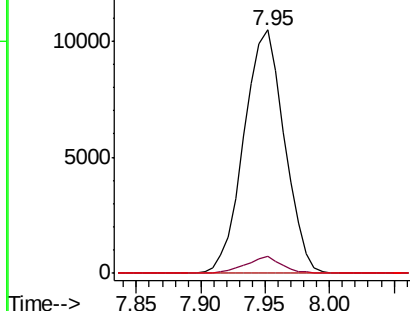
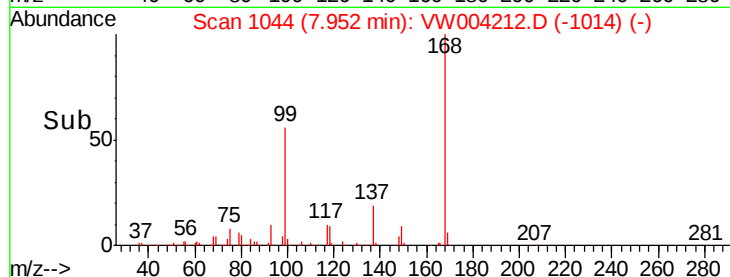
121 0.0 26.0 39.0#



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



#50

Toluene-d8

Concen: 45.492 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004212.D

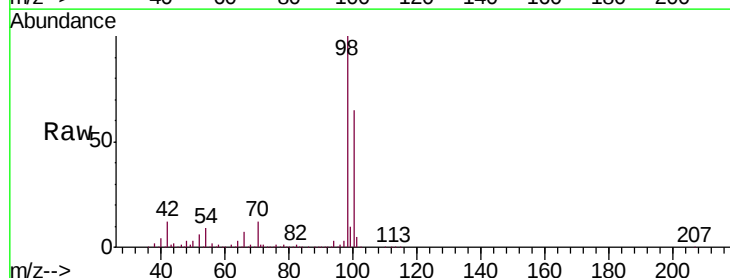
Acq: 26 Jul 2018 00:13

Tgt Ion: 98 Resp: 430291

Ion Ratio Lower Upper

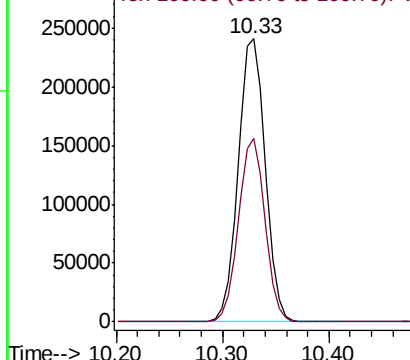
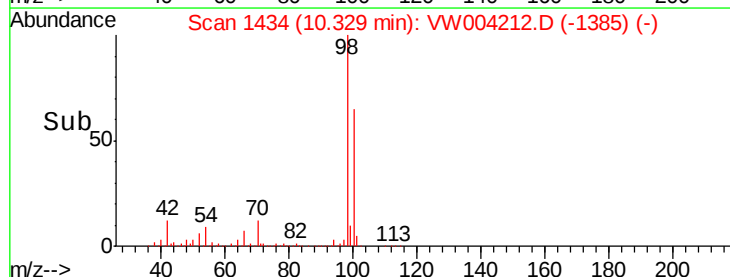
98 100

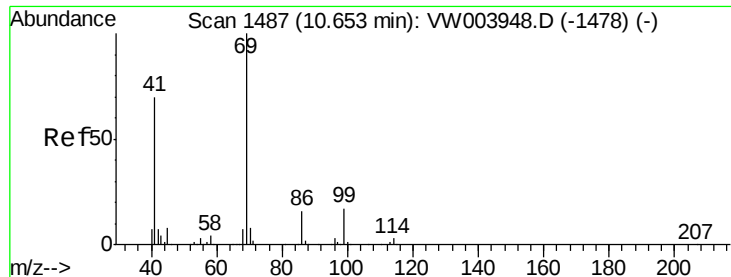
100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 2.953 ug/l

RT: 10.49 min Scan# 1461

Delta R.T. -0.16 min

Lab File: VW004212.D

Acq: 26 Jul 2018 00:13

Instrument :

MSVOA_W

ClientSampleId :

FK-BPM-03-001-ABCD

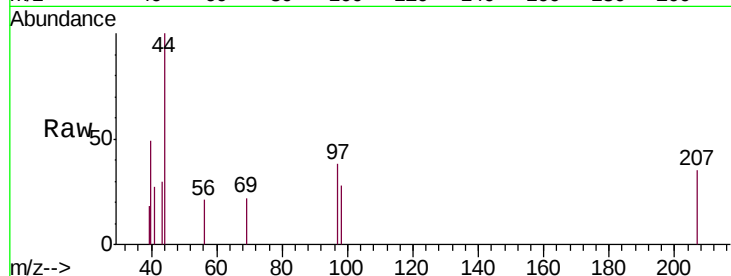
Tgt Ion: 69 Resp: 23

Ion Ratio Lower Upper

69 100

41 0.0 56.5 84.7#

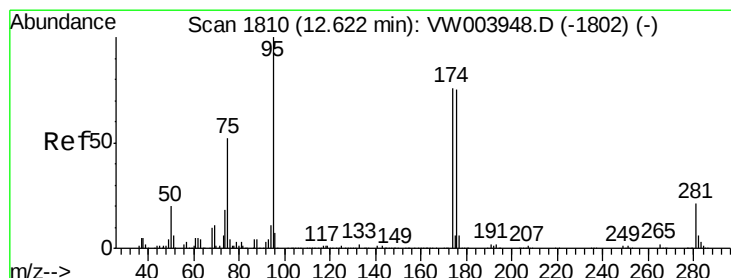
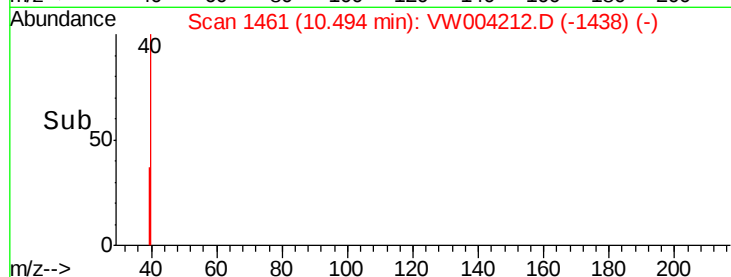
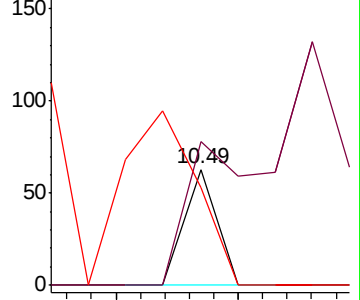
39 343.5 30.2 45.4#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 33.726 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004212.D

Acq: 26 Jul 2018 00:13

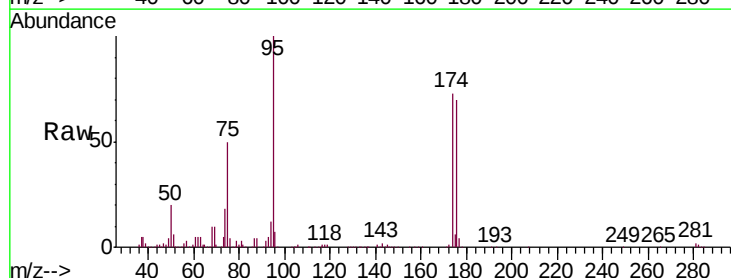
Tgt Ion: 95 Resp: 115033

Ion Ratio Lower Upper

95 100

174 80.6 0.0 160.2

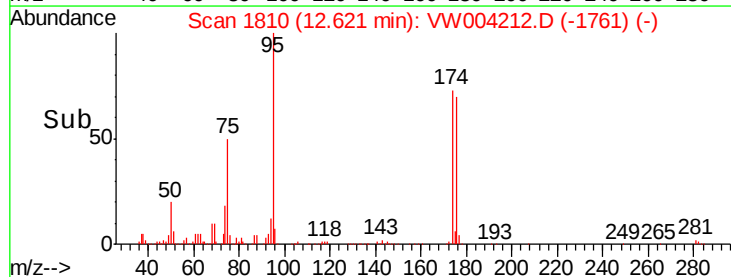
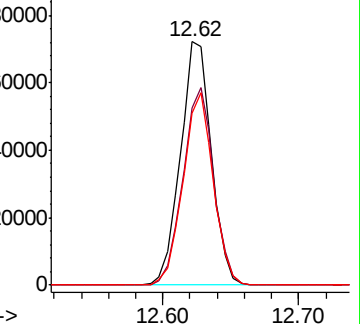
176 77.3 0.0 155.8

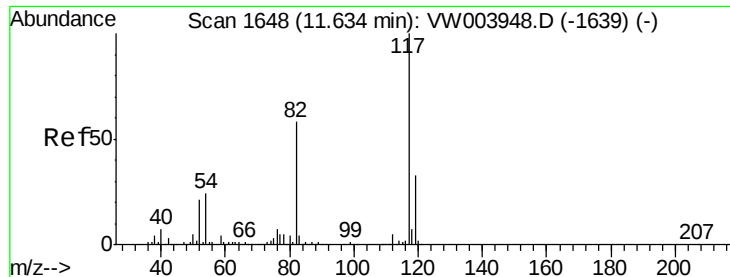


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

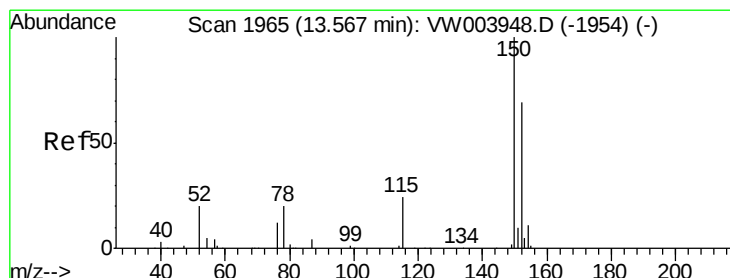
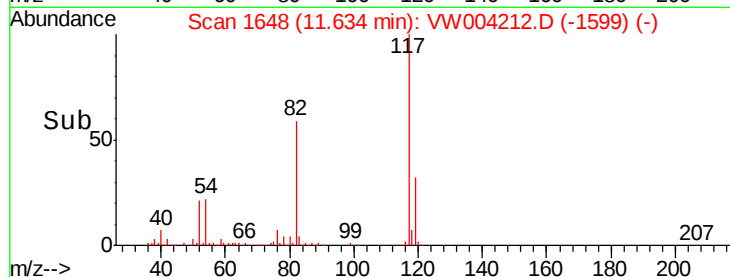
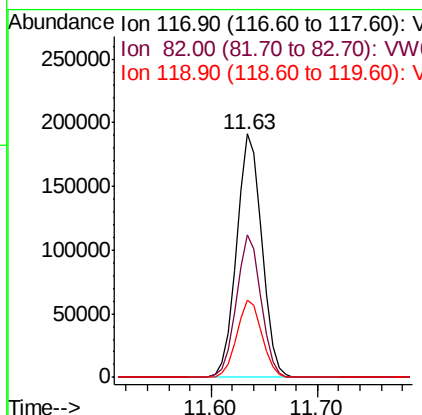
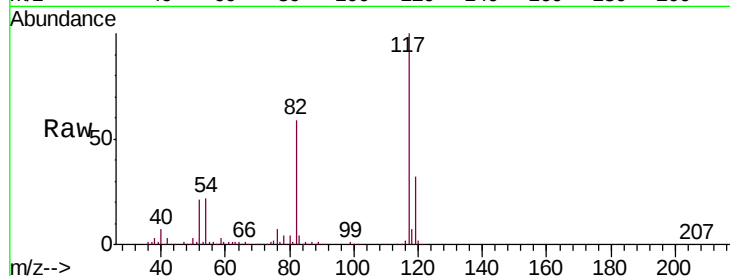




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004212.D
Acq: 26 Jul 2018 00:13

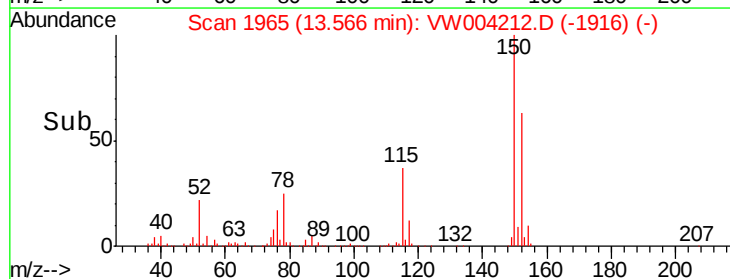
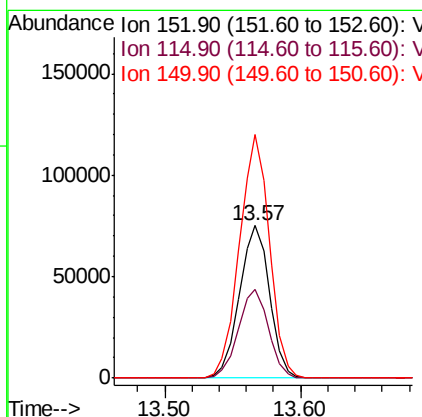
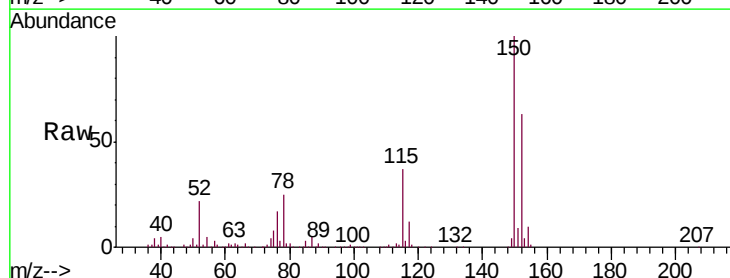
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-03-001-ABCD

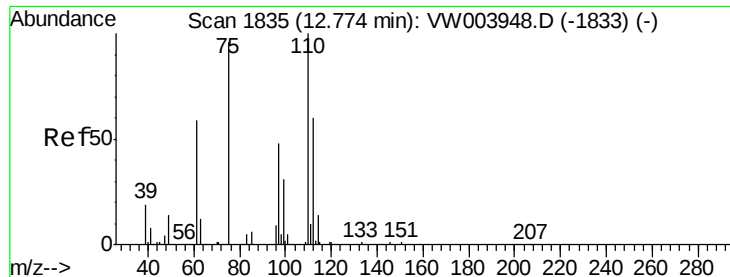
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.5	69.7
119	31.9	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004212.D
Acq: 26 Jul 2018 00:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.2	87.6
150	158.9	0.0	345.2





#76

1,2,3-Trichloropropane

Concen: 51.813 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW004212.D

Acq: 26 Jul 2018 00:13

Instrument :

MSVOA_W

ClientSampleId :

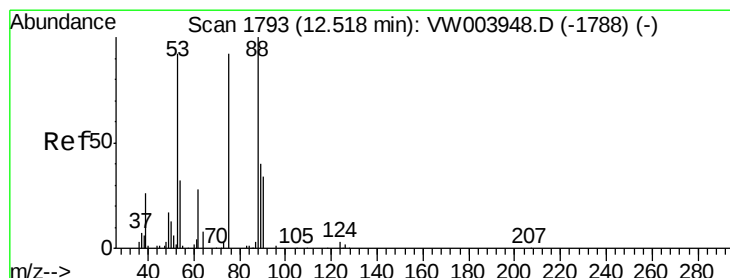
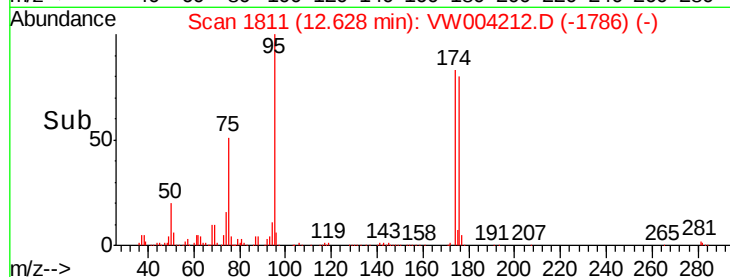
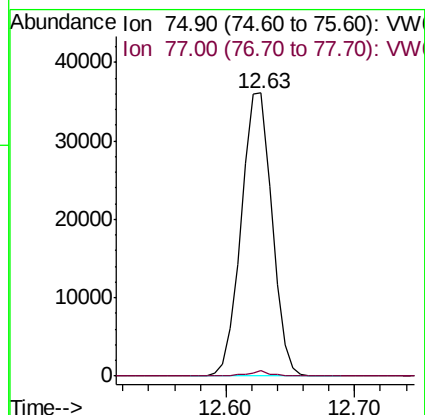
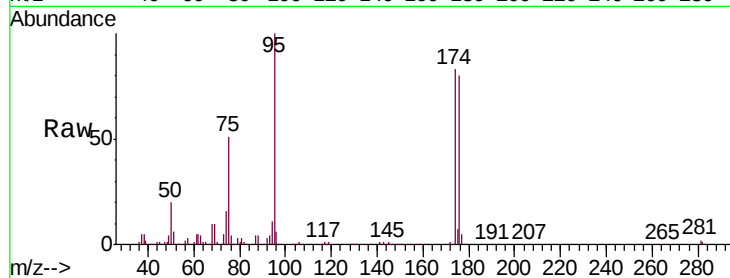
FK-BPM-03-001-ABCD

Tgt Ion: 75 Resp: 59597

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.608 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW004212.D

Acq: 26 Jul 2018 00:13

Tgt Ion: 75 Resp: 59597

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.0 36.6 54.8#

