

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121318\
 Data File : VW007418.D
 Acq On : 12 Dec 2018 03:04
 Operator : SY/AP
 Sample : J6275-04
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF-04-120418

Quant Time: Dec 12 05:07:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	45060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	89041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	91939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	47075	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	30533	61.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.16%	
35) Dibromofluoromethane	7.88	113	25576	47.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.90%	
50) Toluene-d8	10.32	98	80824	39.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.98%	
62) 4-Bromofluorobenzene	12.62	95	36244	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	

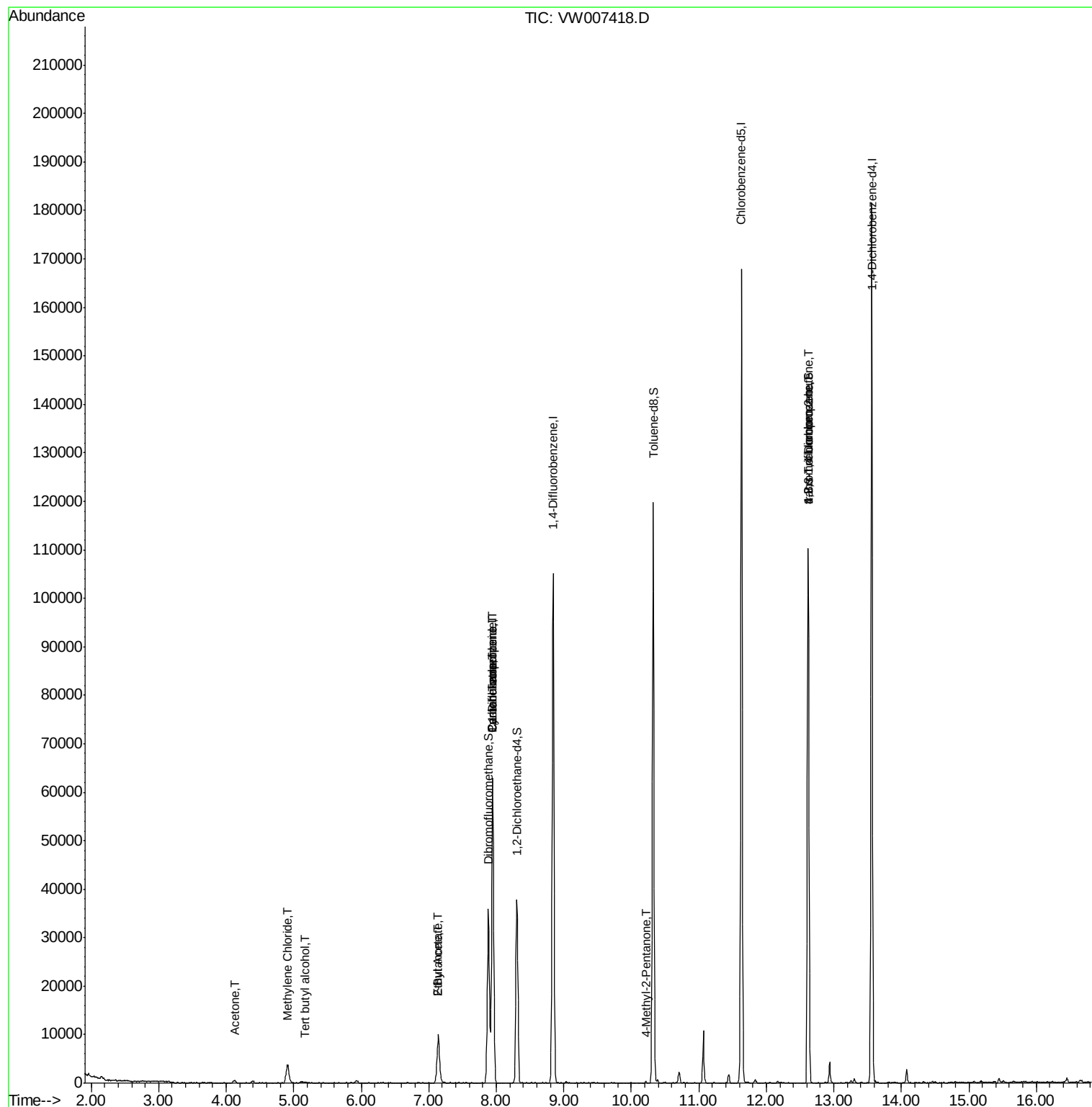
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	138	4.019	ug/l #	74
16) Acetone	4.13	43	1282	14.682	ug/l	95
20) Methylene Chloride	4.90	84	2987	2.536	ug/l	97
25) 2-Butanone	7.13	43	498	4.369	ug/l #	45
31) Cyclohexane	7.94	56	1026	1.321	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	3386	4.169	ug/l #	48
37) Ethyl Acetate	7.13	43	498	1.648	ug/l #	1
38) Carbon Tetrachloride	7.95	117	5138	5.813	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	284	1.007	ug/l #	34
76) 1,2,3-Trichloropropane	12.62	75	18685	48.139	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	18685	106.339	ug/l #	7

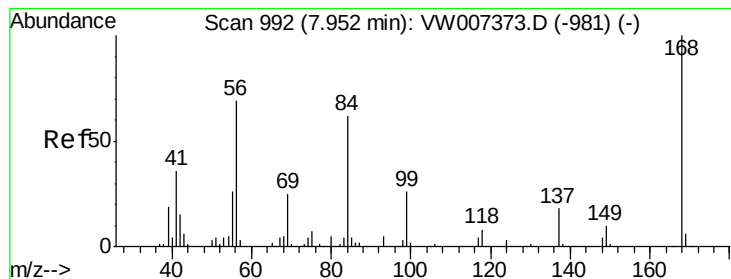
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121318\
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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007418.D

Acq: 12 Dec 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

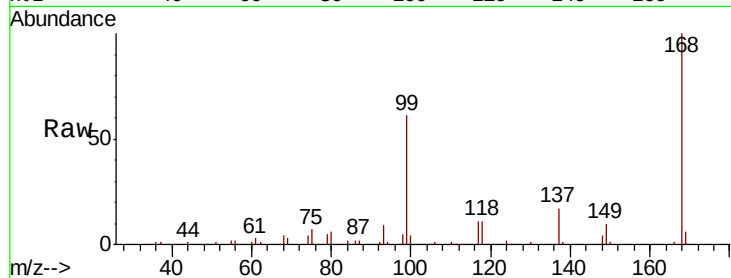
BF-04-120418

Tgt Ion:168 Resp: 45060

Ion Ratio Lower Upper

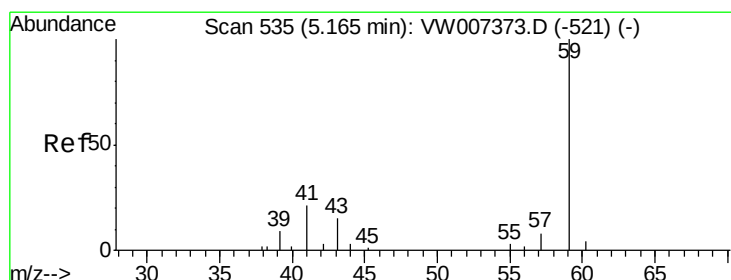
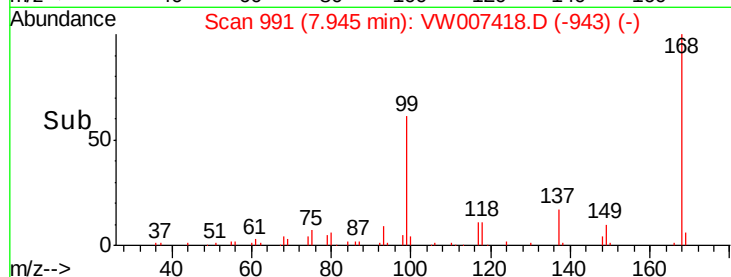
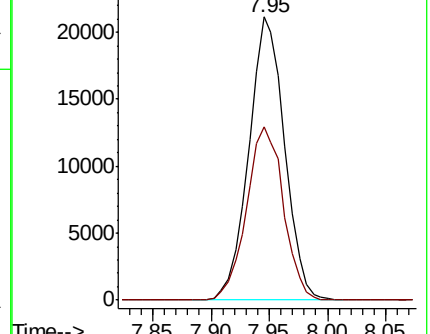
168 100

99 61.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.019 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW007418.D

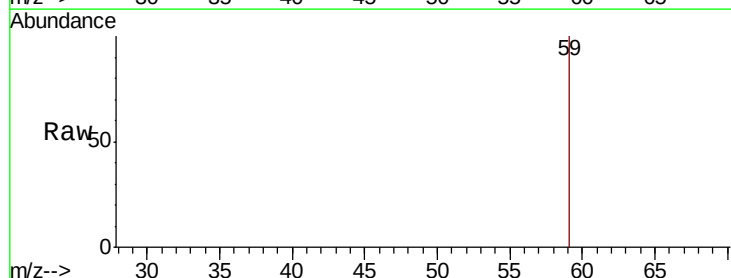
Acq: 12 Dec 2018 03:04

Tgt Ion: 59 Resp: 138

Ion Ratio Lower Upper

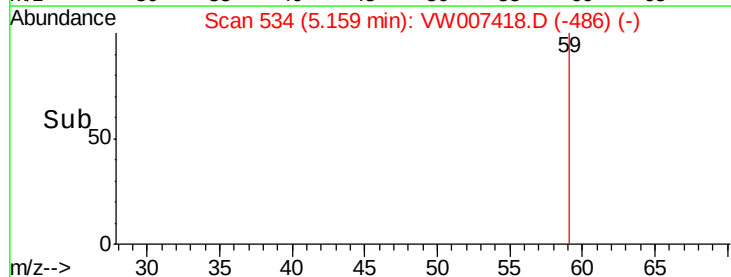
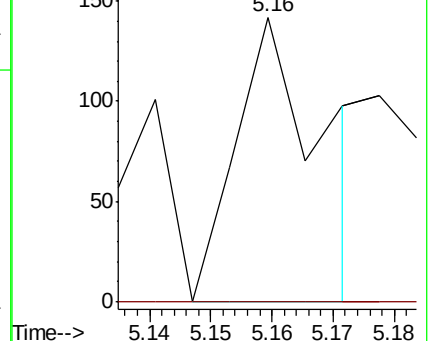
59 100

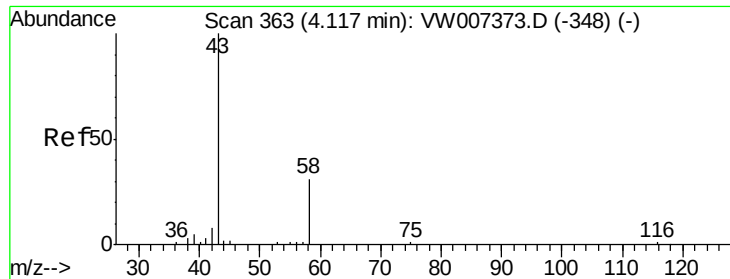
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 14.682 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007418.D

Acq: 12 Dec 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

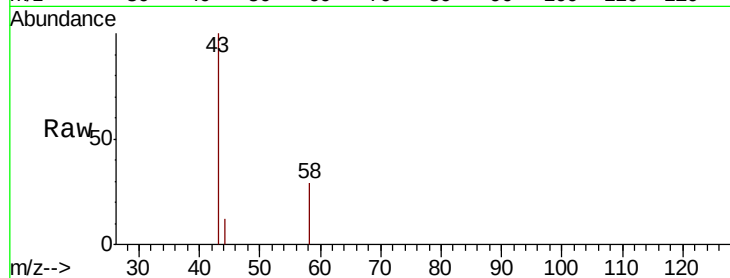
BF-04-120418

Tgt Ion: 43 Resp: 1282

Ion Ratio Lower Upper

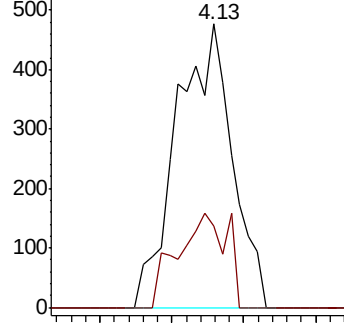
43 100

58 28.5 24.9 37.3

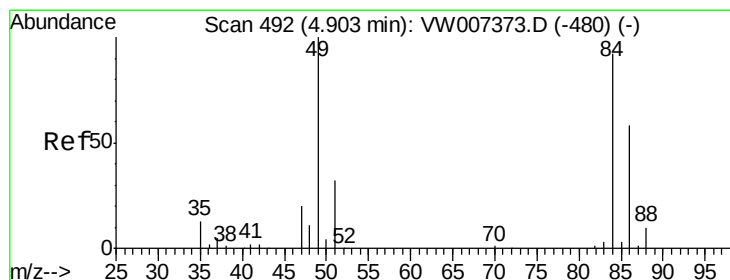
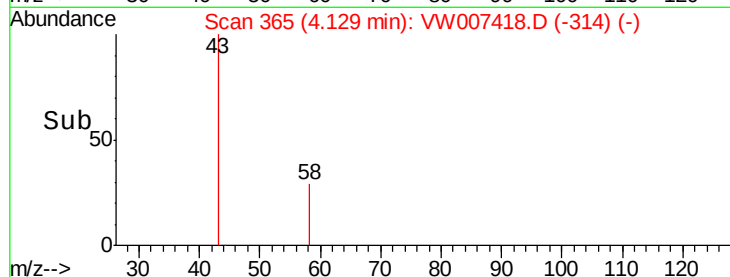


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#20

Methylene Chloride

Concen: 2.536 ug/l

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW007418.D

Acq: 12 Dec 2018 03:04

Tgt Ion: 84 Resp: 2987

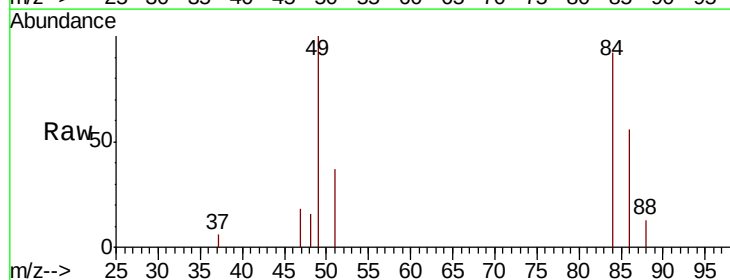
Ion Ratio Lower Upper

84 100

49 109.0 87.1 130.7

51 40.4 28.2 42.2

86 60.8 50.8 76.2

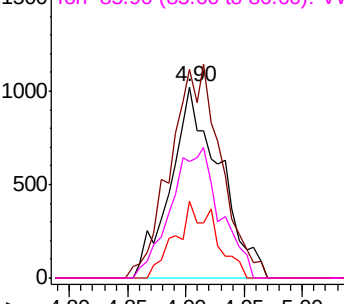


Abundance Ion 83.90 (83.60 to 84.60): VW

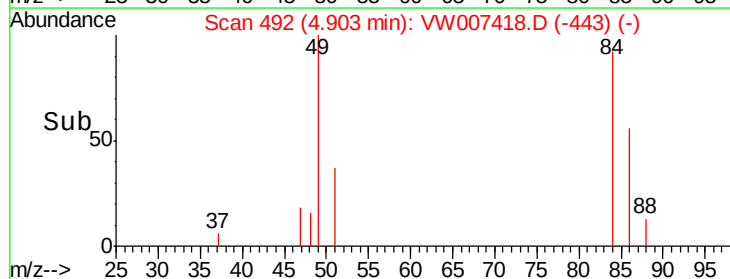
Ion 48.90 (48.60 to 49.60): VW

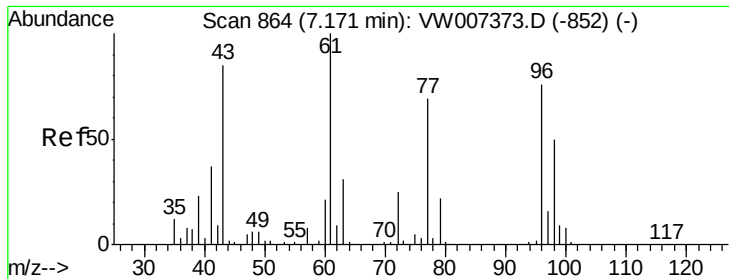
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time-->





#25

2-Butanone

Concen: 4.369 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW007418.D

Acq: 12 Dec 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

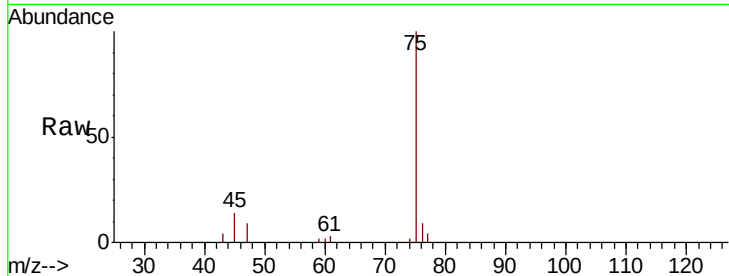
BF-04-120418

Tgt Ion: 43 Resp: 498

Ion Ratio Lower Upper

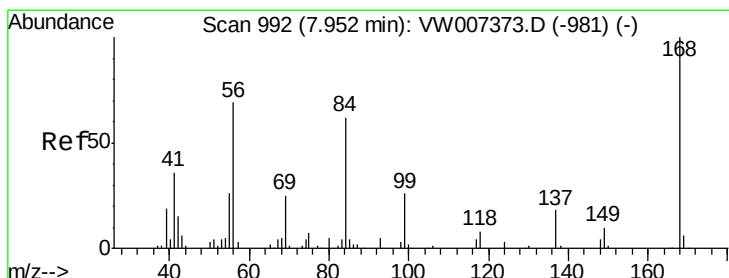
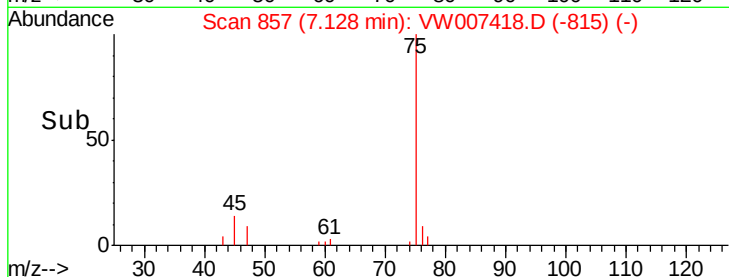
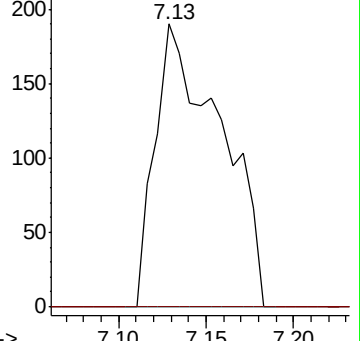
43 100

72 0.0 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.321 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW007418.D

Acq: 12 Dec 2018 03:04

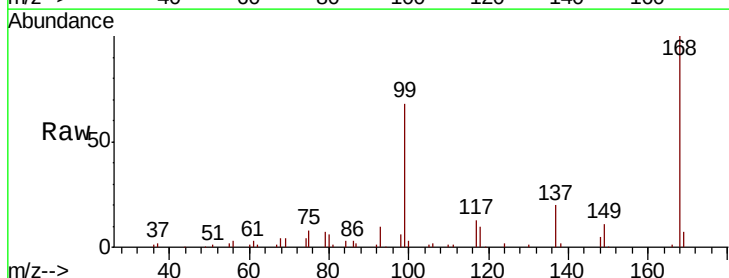
Tgt Ion: 56 Resp: 1026

Ion Ratio Lower Upper

56 100

69 148.3 28.9 43.3#

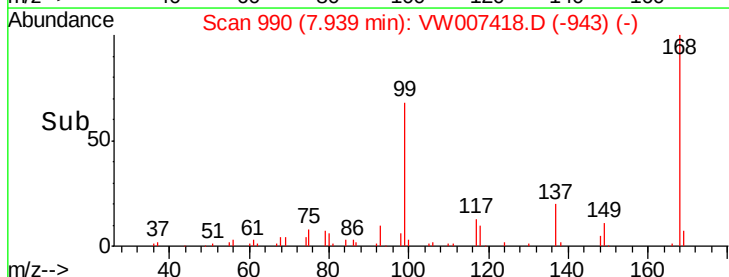
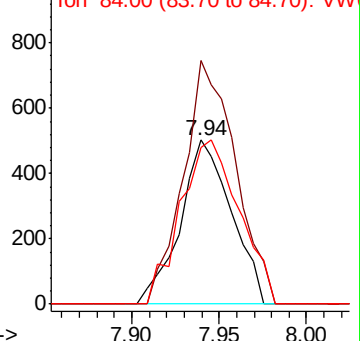
84 95.6 71.8 107.6

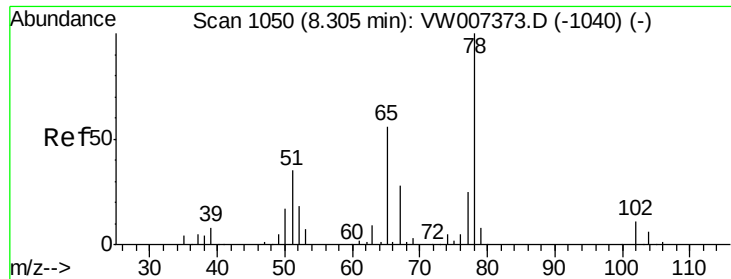


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

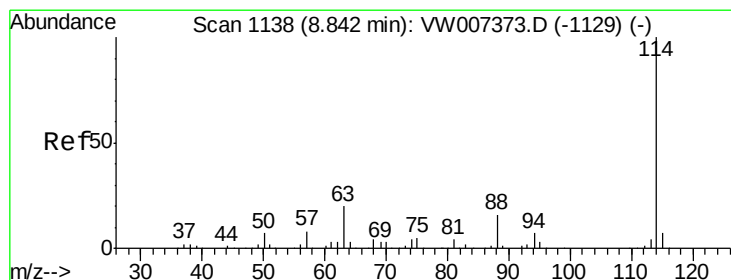
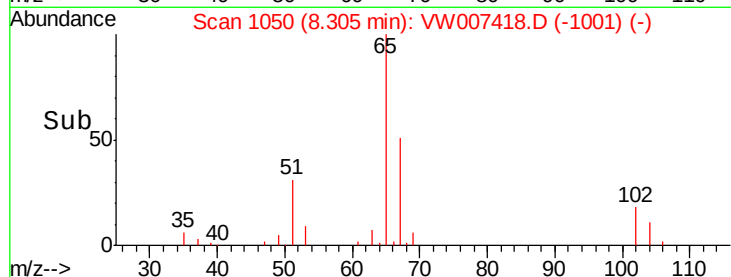
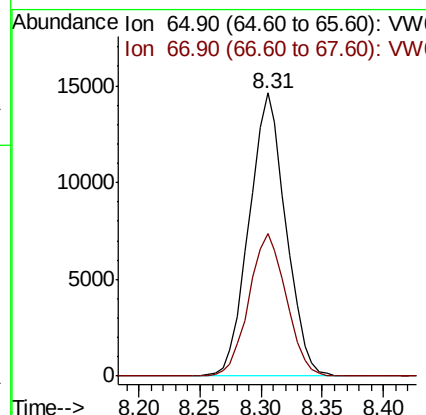
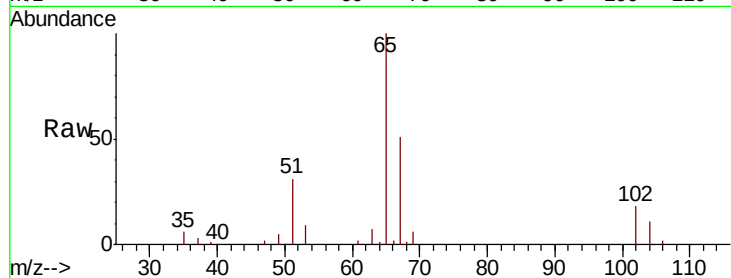




#33
 1,2-Dichloroethane-d4
 Concen: 61.078 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007418.D
 Acq: 12 Dec 2018 03:04

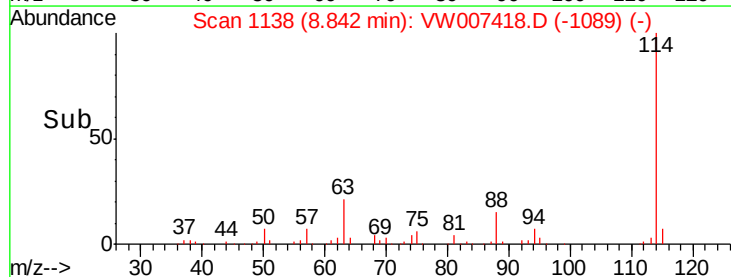
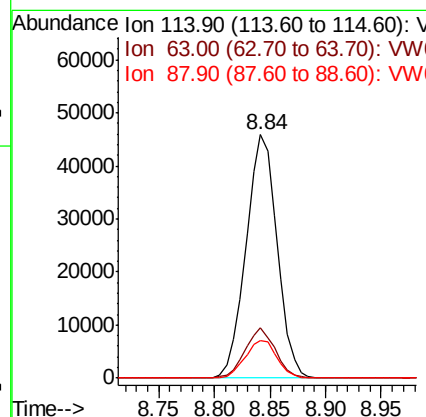
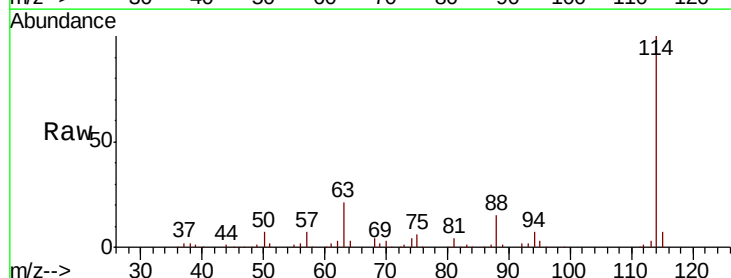
Instrument :
 MSVOA_W
 ClientSampleId :
 BF-04-120418

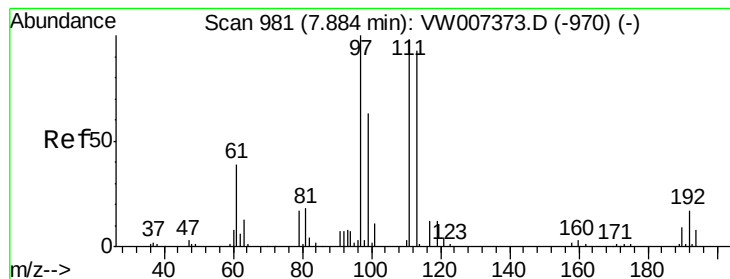
Tgt Ion: 65 Resp: 30533
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007418.D
 Acq: 12 Dec 2018 03:04

Tgt Ion: 114 Resp: 89041
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.6
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.451 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007418.D

Acq: 12 Dec 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

BF-04-120418

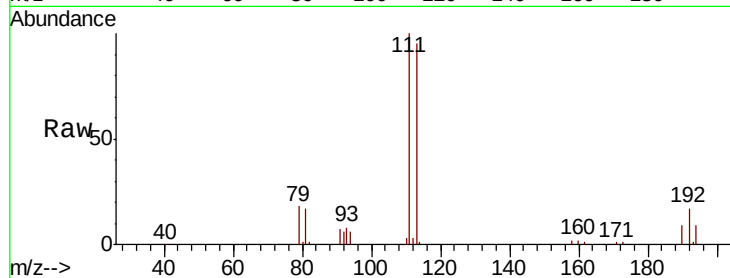
Tgt Ion:113 Resp: 25576

Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

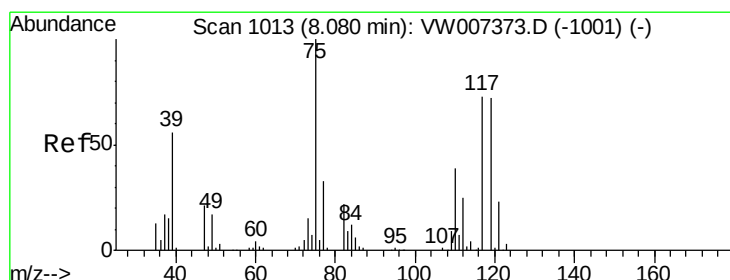
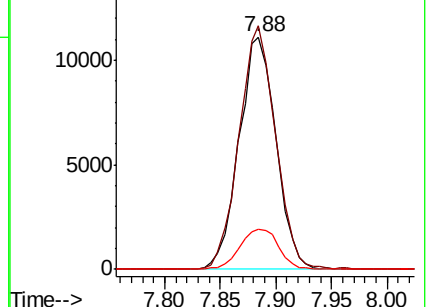
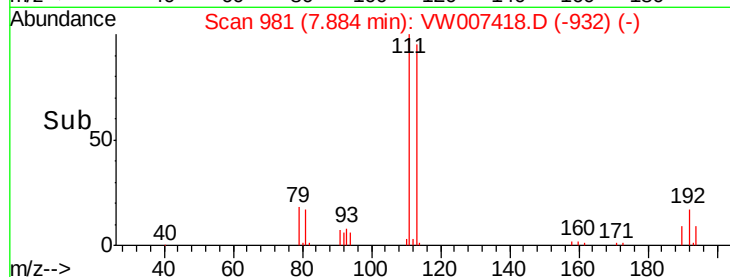
192 18.0 14.6 21.8



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: 4.169 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007418.D

Acq: 12 Dec 2018 03:04

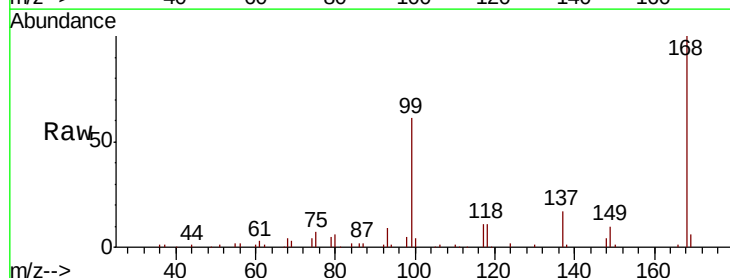
Tgt Ion: 75 Resp: 3386

Ion Ratio Lower Upper

75 100

110 9.2 18.5 55.5#

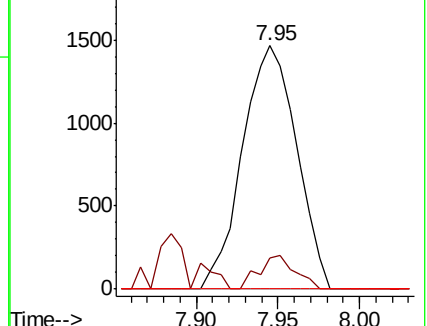
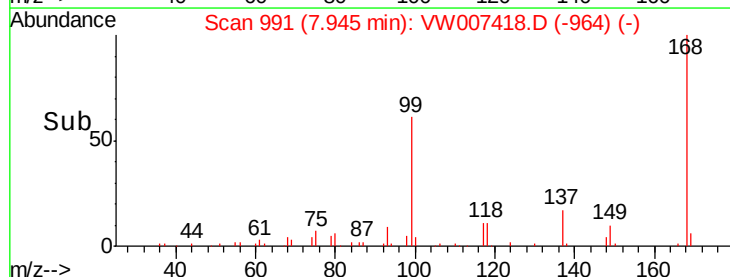
77 0.0 25.6 38.4#

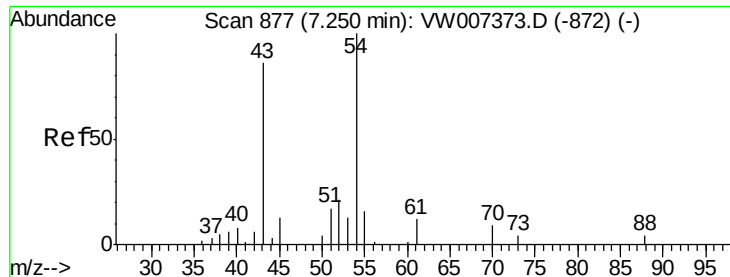


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

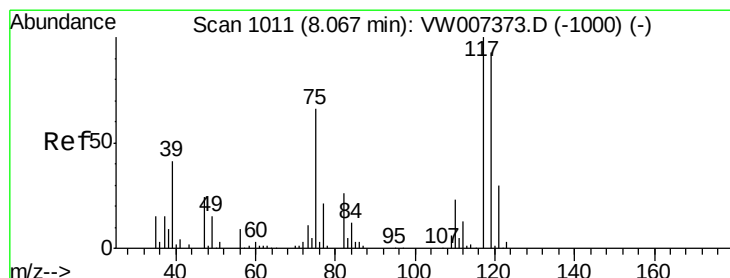
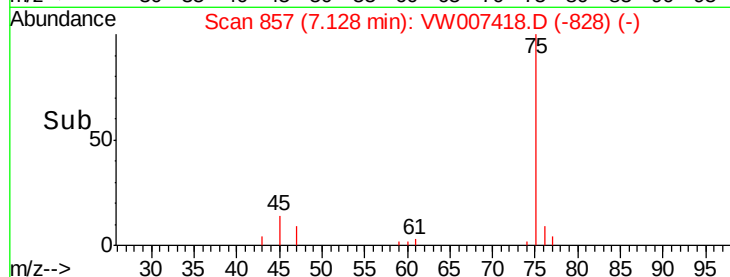
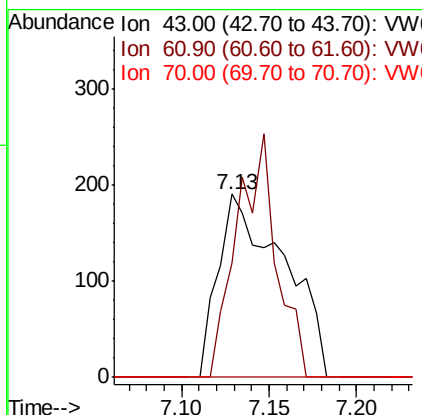
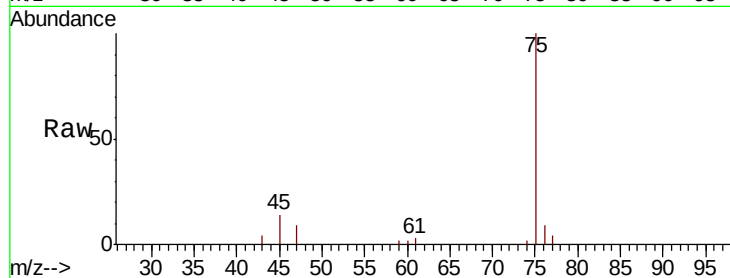




#37
Ethyl Acetate
Concen: 1.648 ug/l
RT: 7.13 min Scan# 857
Delta R.T. -0.12 min
Lab File: VW007418.D
Acq: 12 Dec 2018 03:04

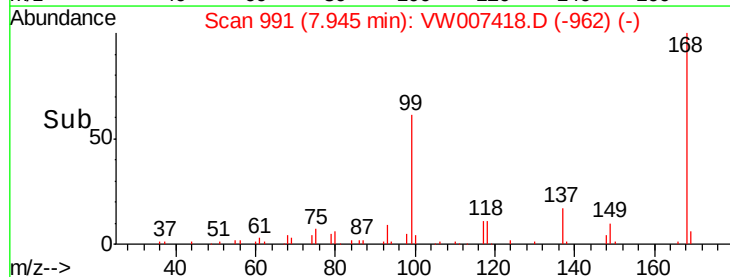
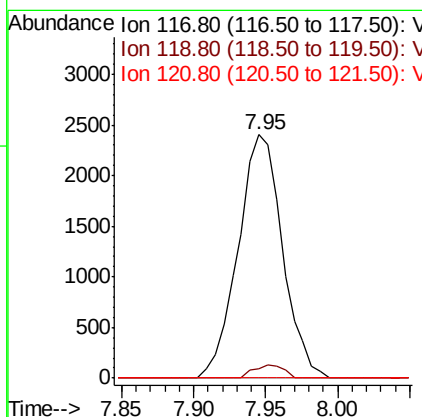
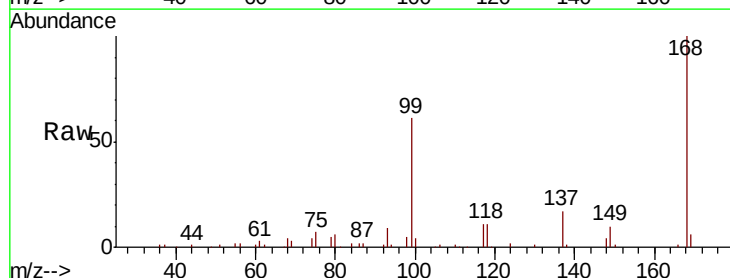
Instrument :
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ClientSampleId :
BF-04-120418

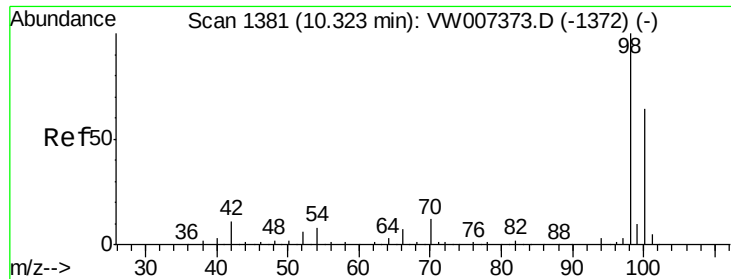
Tgt Ion: 43 Resp: 498
Ion Ratio Lower Upper
43 100
61 79.7 12.1 18.1#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 5.813 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007418.D
Acq: 12 Dec 2018 03:04

Tgt Ion: 117 Resp: 5138
Ion Ratio Lower Upper
117 100
119 3.9 74.3 111.5#
121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 39.993 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007418.D

Acq: 12 Dec 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

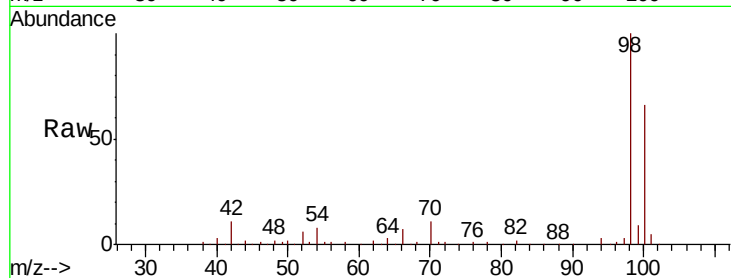
BF-04-120418

Tgt Ion: 98 Resp: 80824

Ion Ratio Lower Upper

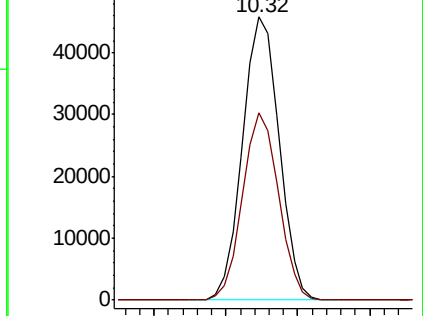
98 100

100 64.9 51.8 77.8

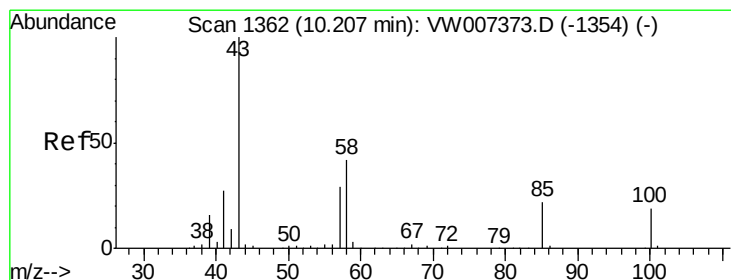
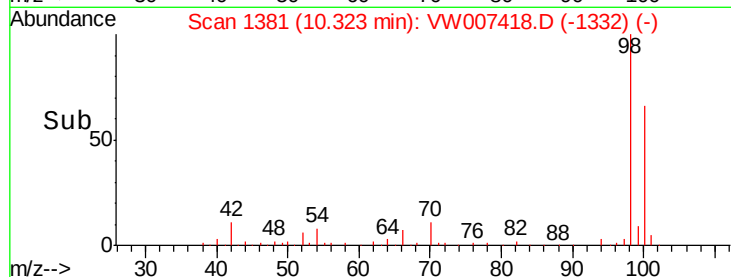


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.007 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007418.D

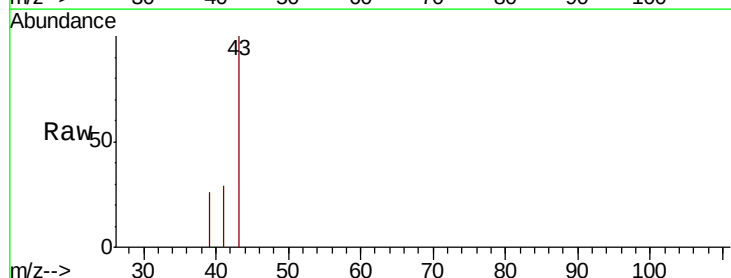
Acq: 12 Dec 2018 03:04

Tgt Ion: 43 Resp: 284

Ion Ratio Lower Upper

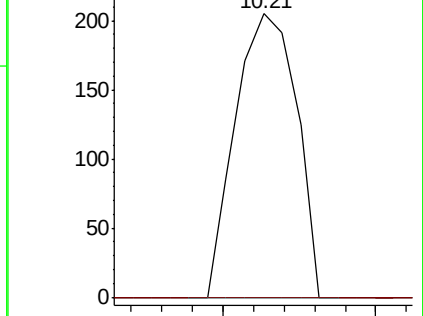
43 100

58 0.0 33.1 49.7#

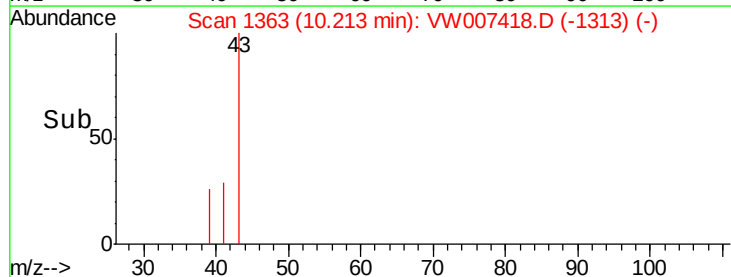


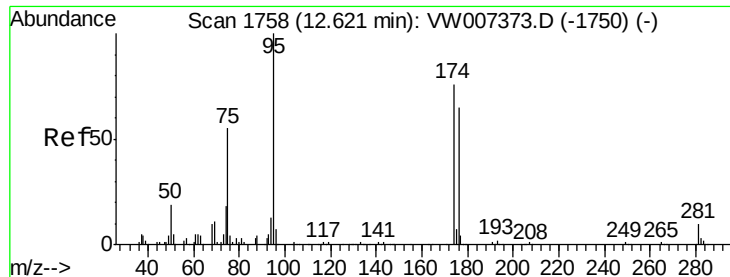
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->

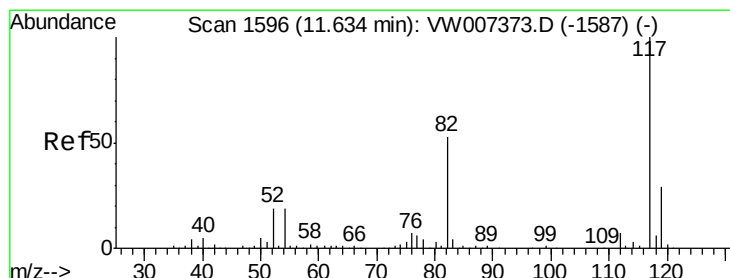
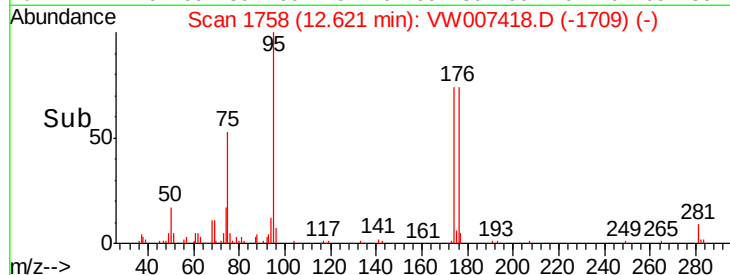
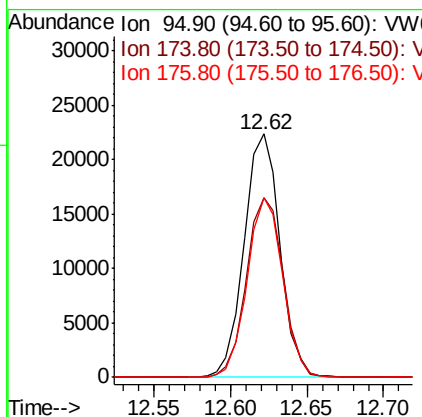
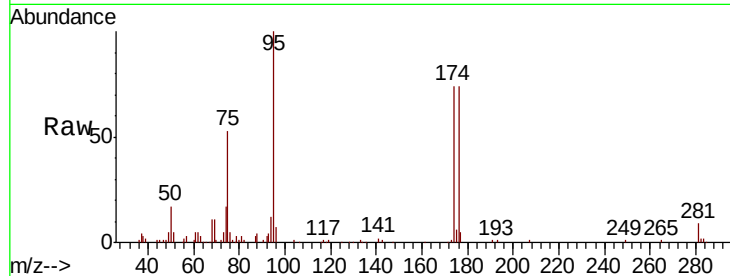




#62
4-Bromofluorobenzene
Concen: 48.777 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007418.D
Acq: 12 Dec 2018 03:04

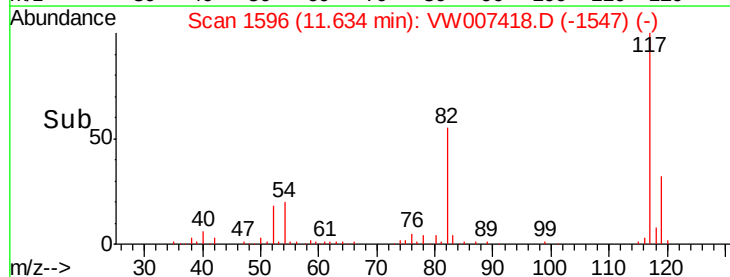
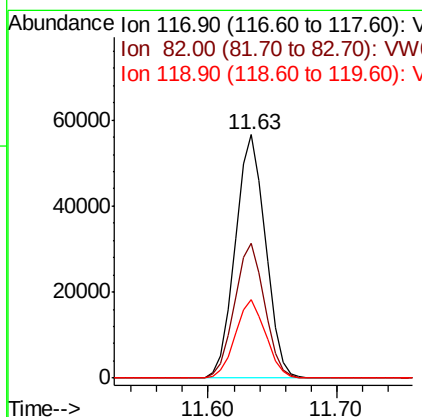
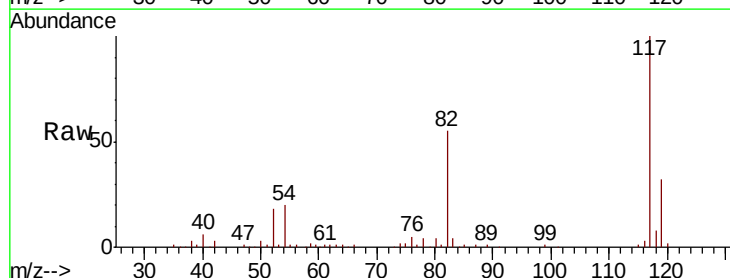
Instrument :
MSVOA_W
ClientSampleId :
BF-04-120418

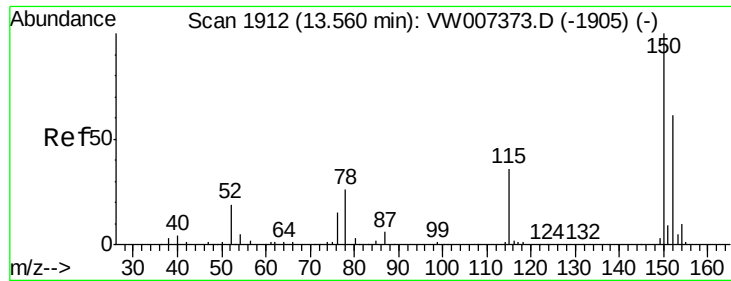
Tgt Ion: 95 Resp: 36244
Ion Ratio Lower Upper
95 100
174 76.3 0.0 147.2
176 73.2 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007418.D
Acq: 12 Dec 2018 03:04

Tgt Ion: 117 Resp: 91939
Ion Ratio Lower Upper
117 100
82 55.1 42.3 63.5
119 32.2 23.0 34.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007418.D

Acq: 12 Dec 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

BF-04-120418

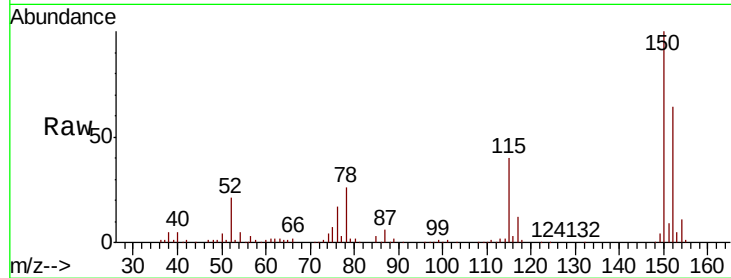
Tgt Ion:152 Resp: 47075

Ion Ratio Lower Upper

152 100

115 61.7 31.4 94.2

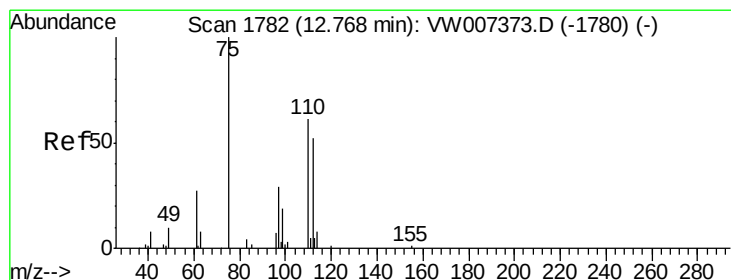
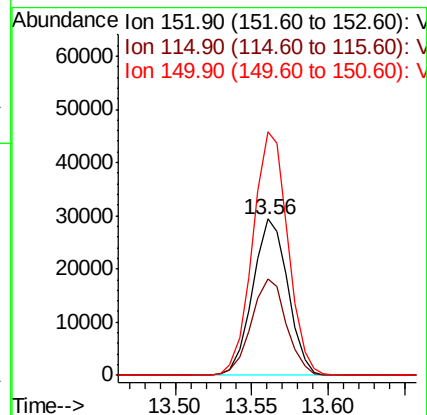
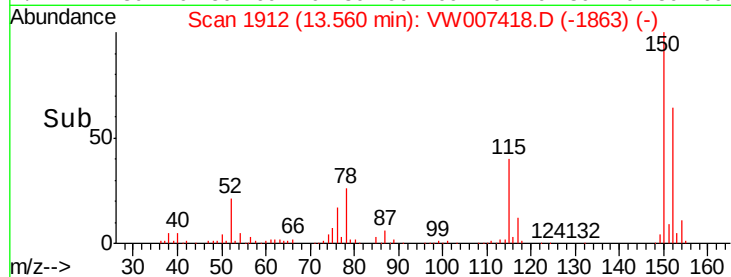
150 155.9 0.0 358.4



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: 48.139 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007418.D

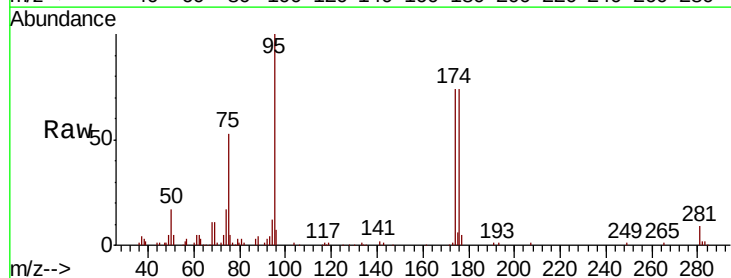
Acq: 12 Dec 2018 03:04

Tgt Ion: 75 Resp: 18685

Ion Ratio Lower Upper

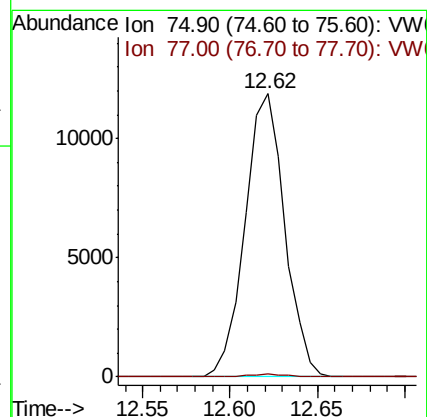
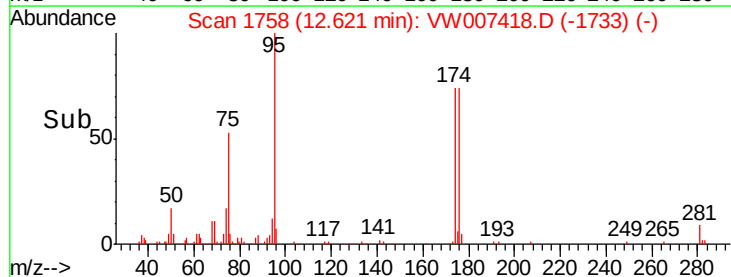
75 100

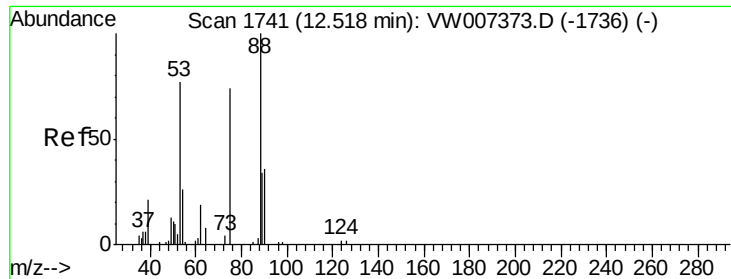
77 0.9 166.9 500.8#



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: 106.339 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007418.D

Acq: 12 Dec 2018 03:04

Instrument :

MSVOA_W

ClientSampleId :

BF-04-120418

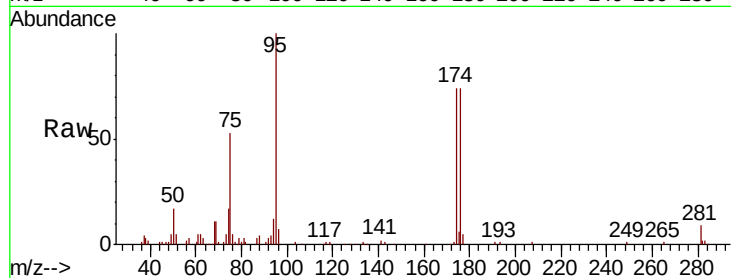
Tgt Ion: 75 Resp: 18685

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



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

