

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081218\
 Data File : VW004578.D
 Acq On : 10 Aug 2018 03:43
 Operator : SY/AP
 Sample : J4351-04
 Misc : 12.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Aug 10 04:22:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	458012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	747095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	566622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	222282	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	72641	14.33	ug/l	0.00
Spiked Amount			Recovery	=	28.66%	
35) Dibromofluoromethane	7.89	113	69065	13.86	ug/l	0.00
Spiked Amount			Recovery	=	27.72%	
50) Toluene-d8	10.33	98	132248	6.96	ug/l	0.00
Spiked Amount			Recovery	=	13.92%	
62) 4-Bromofluorobenzene	12.62	95	51475	7.52	ug/l	0.00
Spiked Amount			Recovery	=	15.04%	

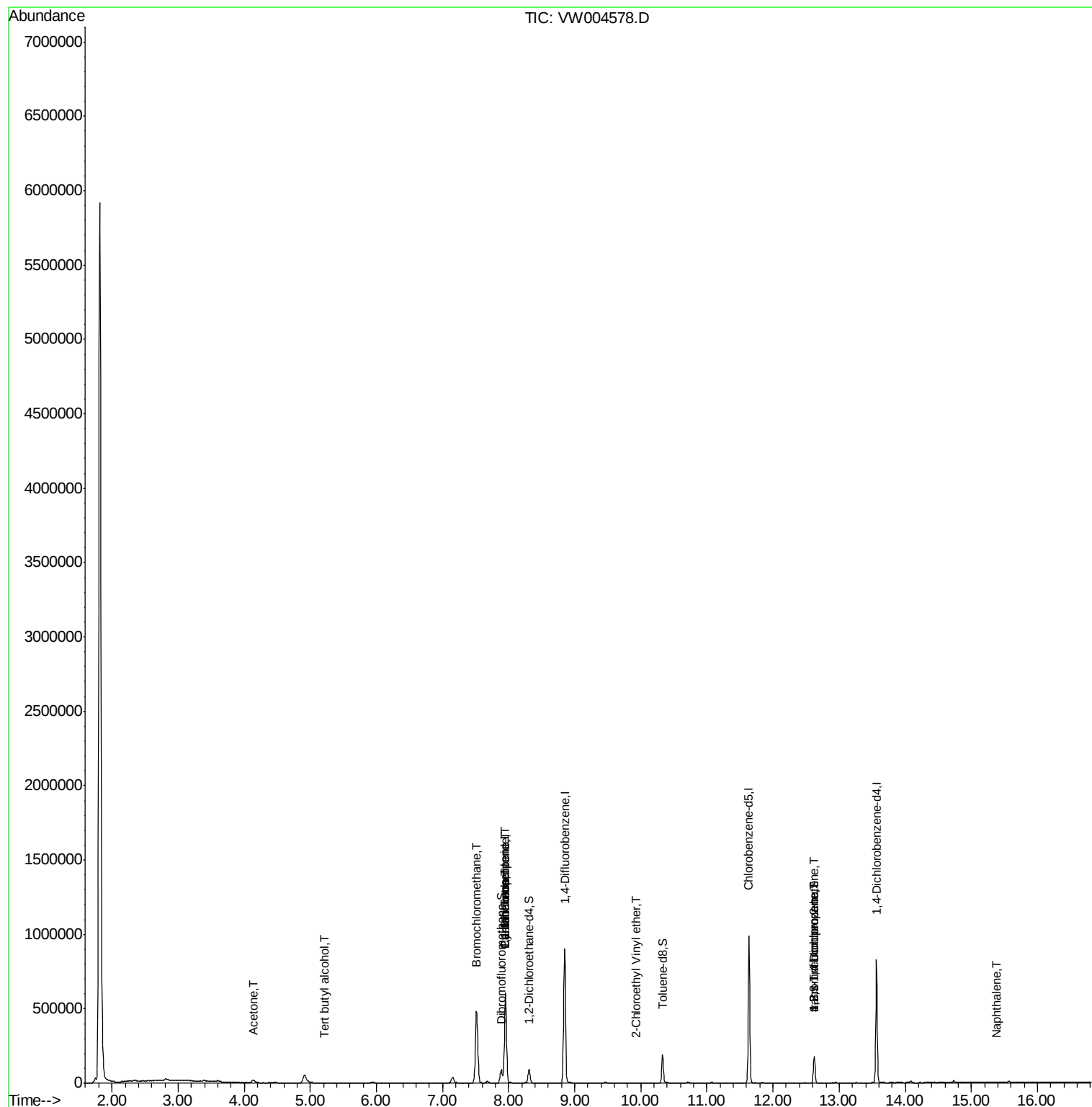
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	532	1.792	ug/l #	70
16) Acetone	4.14	43	35611	28.125	ug/l	100
20) Methylene Chloride	4.92	84	47208	Below Cal		93
28) Bromochloromethane	7.51	49	299483	69.344	ug/l	98
31) Cyclohexane	7.95	56	9505	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	35493	4.412	ug/l #	50
38) Carbon Tetrachloride	7.95	117	43700	6.037	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.94	63	684	9.184	ug/l #	80
76) 1,2,3-Trichloropropane	12.63	75	25810	11.221	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	25810	26.862	ug/l #	13
95) Naphthalene	15.38	128	657	2.977	ug/l #	73

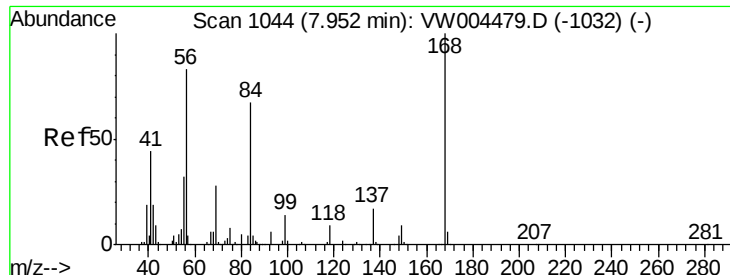
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081218\
Data File : VW004578.D
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Quant Time: Aug 10 04:22:47 2018
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Quant Title : SW846 8260
QLast Update : Tue Aug 07 08:22:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004578.D

Acq: 10 Aug 2018 03:43

Instrument :

MSVOA_W

ClientSampleId :

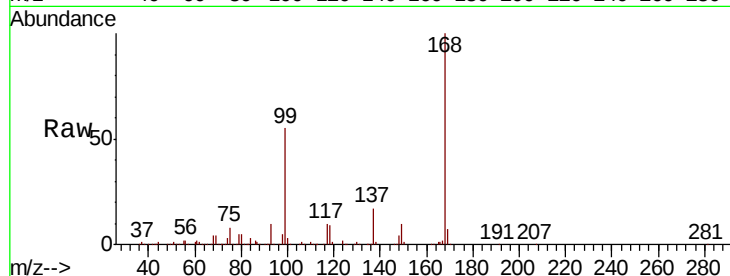
BFB

Tgt Ion:168 Resp: 458012

Ion Ratio Lower Upper

168 100

99 55.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

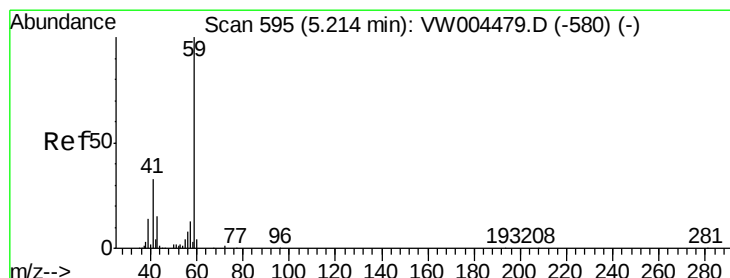
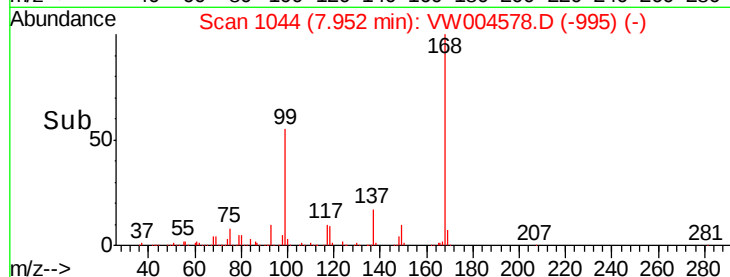
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.792 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.01 min

Lab File: VW004578.D

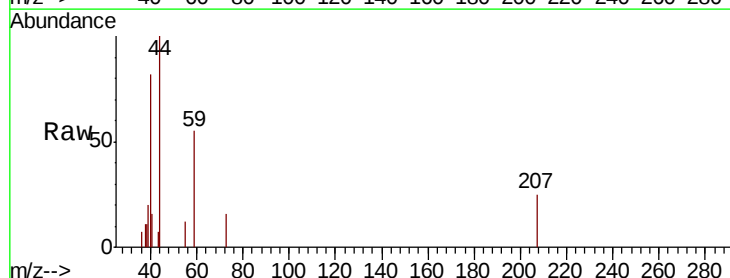
Acq: 10 Aug 2018 03:43

Tgt Ion: 59 Resp: 532

Ion Ratio Lower Upper

59 100

57 0.0 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

400

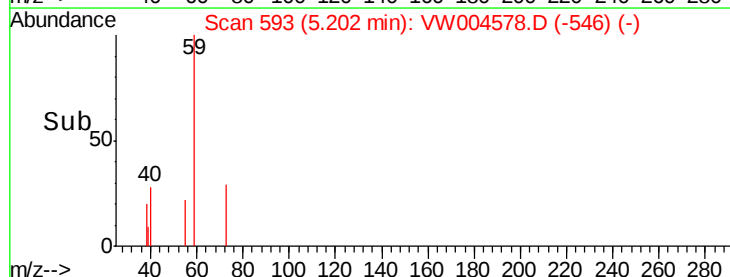
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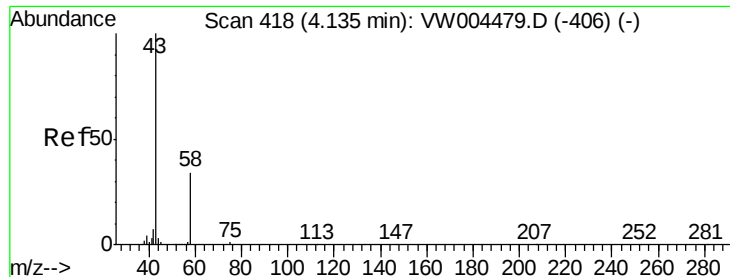
200

100

0

Time-->





#16

Acetone

Concen: 28.125 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW004578.D

Acq: 10 Aug 2018 03:43

Instrument :

MSVOA_W

ClientSampleId :

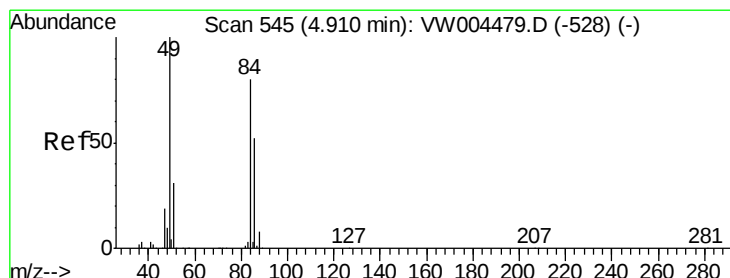
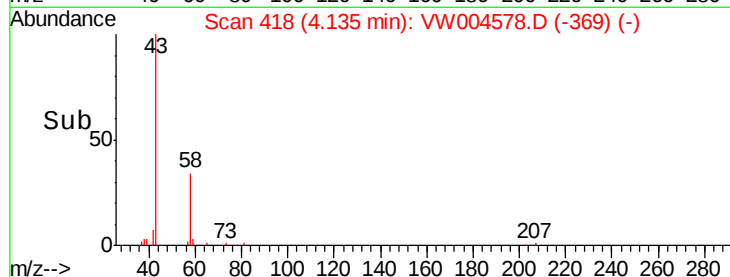
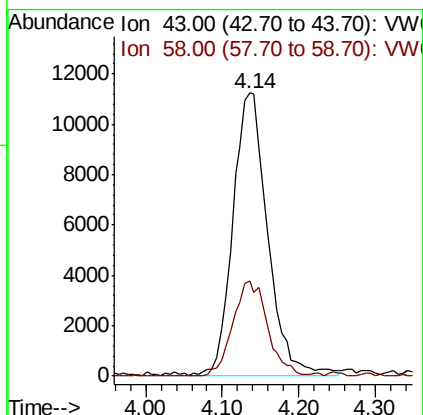
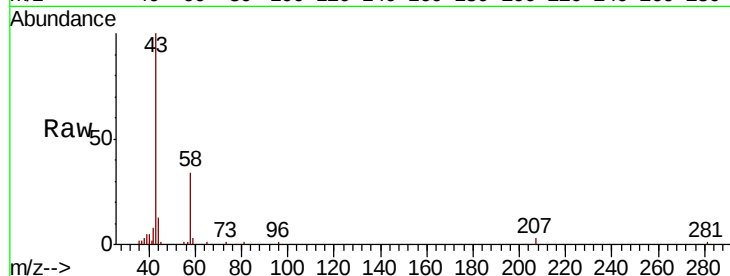
BFB

Tgt Ion: 43 Resp: 35611

Ion Ratio Lower Upper

43 100

58 33.7 26.8 40.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW004578.D

Acq: 10 Aug 2018 03:43

Tgt Ion: 84 Resp: 47208

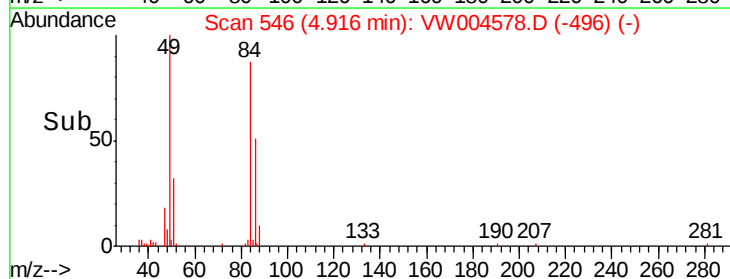
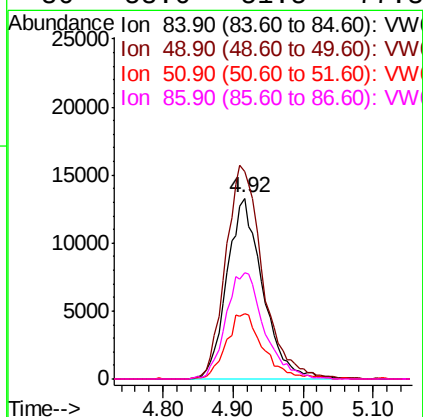
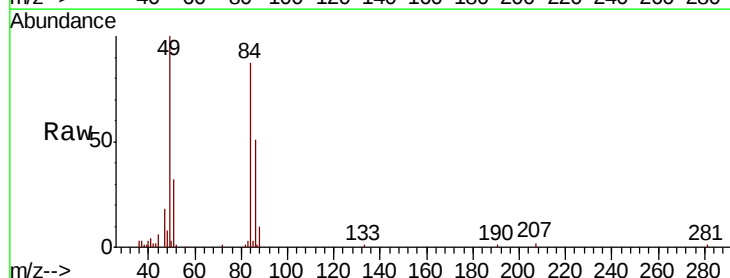
Ion Ratio Lower Upper

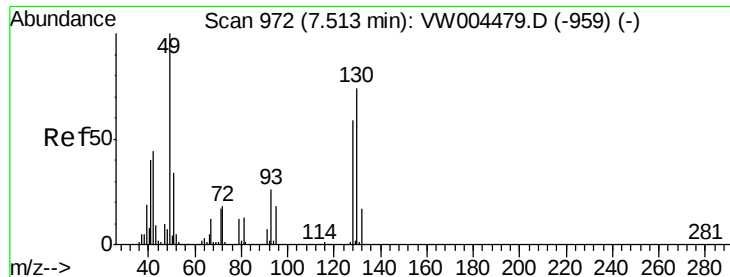
84 100

49 115.0 99.6 149.4

51 36.3 31.0 46.4

86 58.6 51.5 77.3

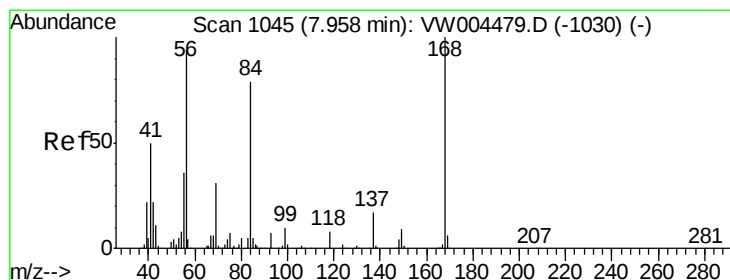
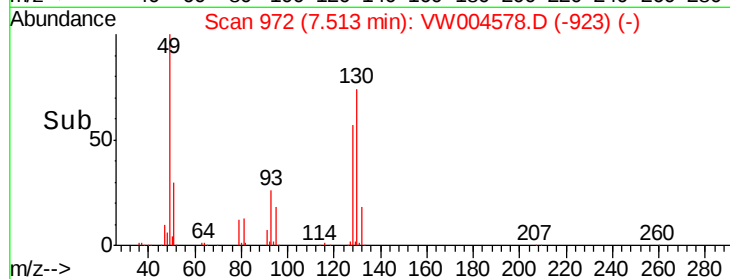
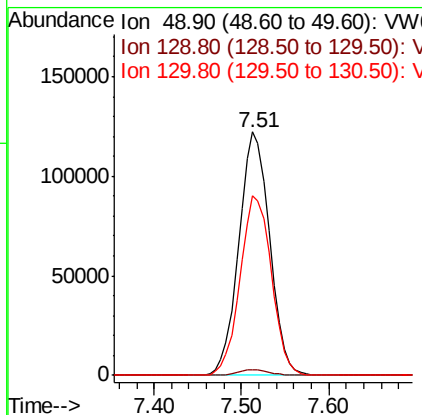
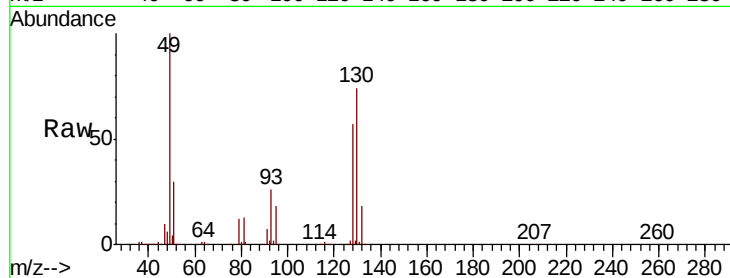




#28
Bromochloromethane
Concen: 69.344 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004578.D
Acq: 10 Aug 2018 03:43

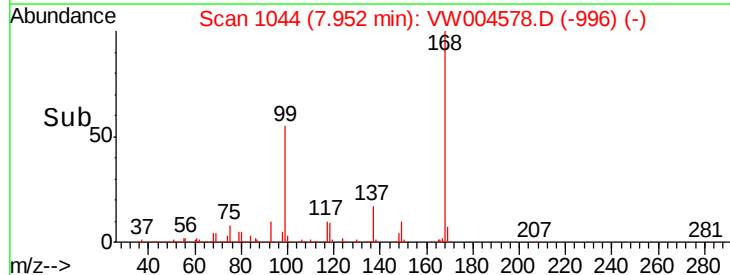
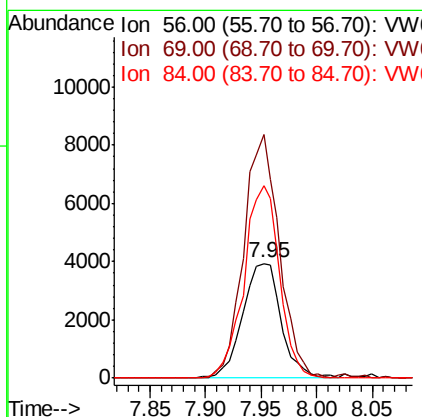
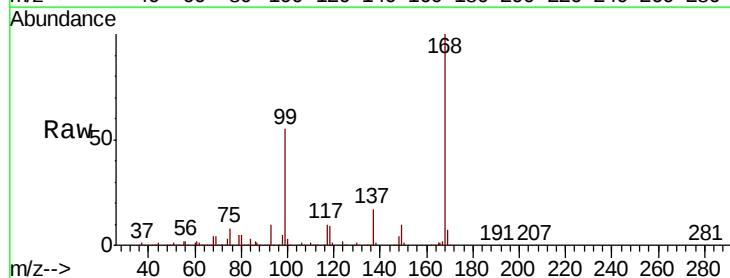
Instrument :
MSVOA_W
ClientSampled :
BFB

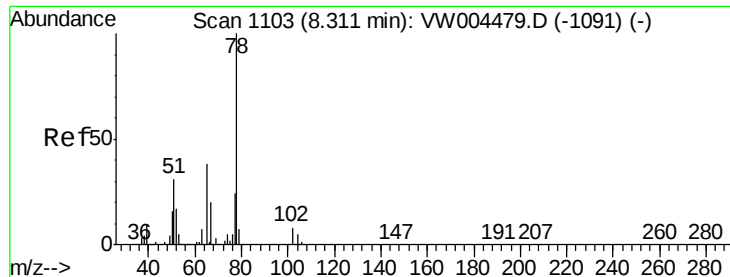
Tgt Ion: 49 Resp: 299483
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.0
130 75.1 58.8 88.2



#31
Cyclohexane
Concen: 1.001 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004578.D
Acq: 10 Aug 2018 03:43

Tgt Ion: 56 Resp: 9505
Ion Ratio Lower Upper
56 100
69 212.8 26.4 39.6#
84 167.7 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 14.327 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004578.D

Acq: 10 Aug 2018 03:43

Instrument :

MSVOA_W

ClientSampleId :

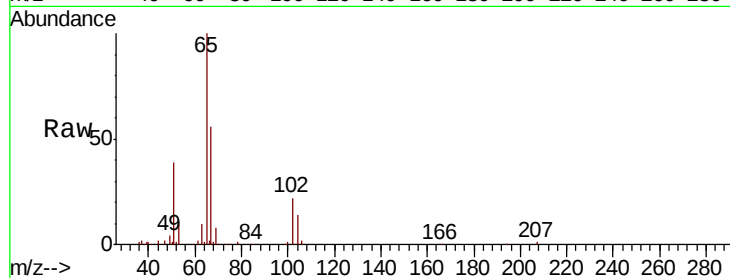
BFB

Tgt Ion: 65 Resp: 72641

Ion Ratio Lower Upper

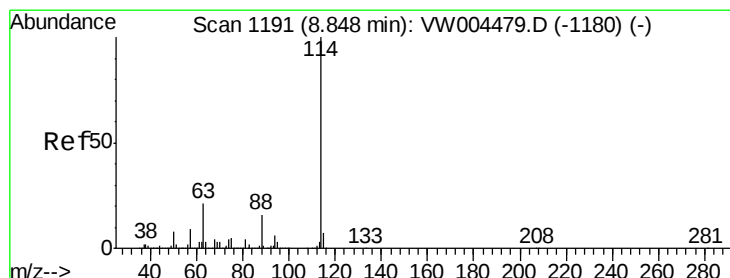
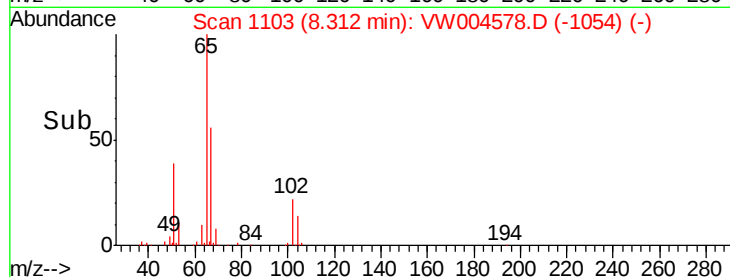
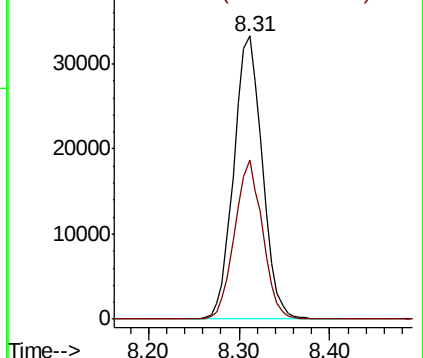
65 100

67 54.7 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004578.D

Acq: 10 Aug 2018 03:43

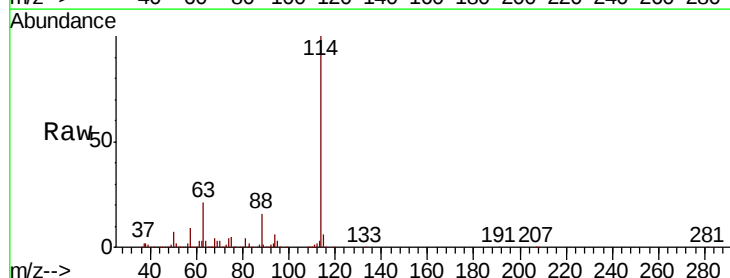
Tgt Ion: 114 Resp: 747095

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

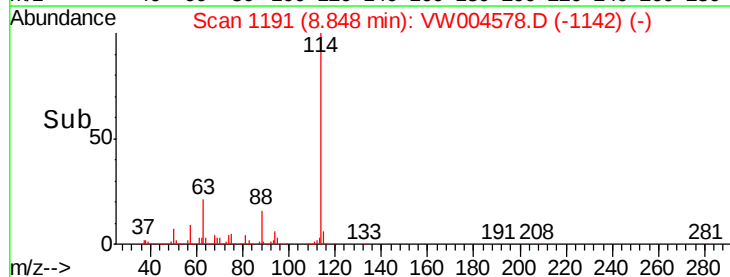
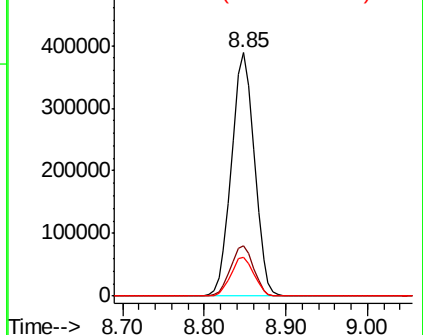
88 15.8 0.0 31.2

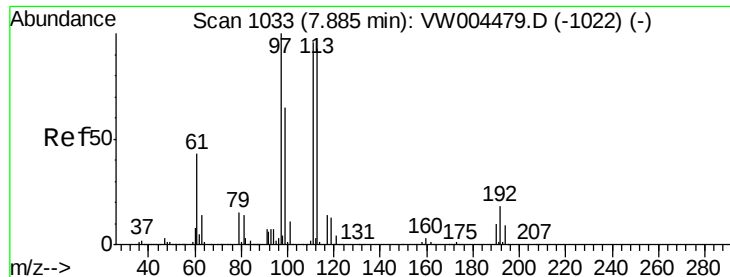


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 13.865 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004578.D

Acq: 10 Aug 2018 03:43

Instrument :
MSVOA_W
ClientSampleId :
BFB

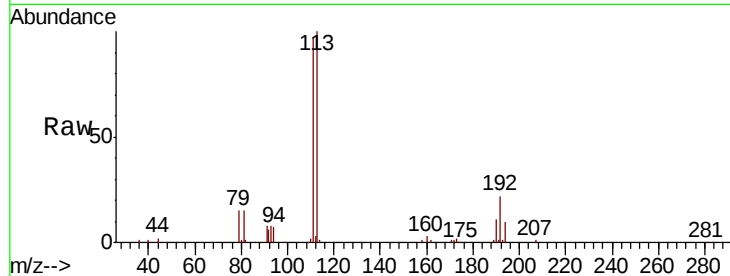
Tgt Ion: 113 Resp: 69065

Ion Ratio Lower Upper

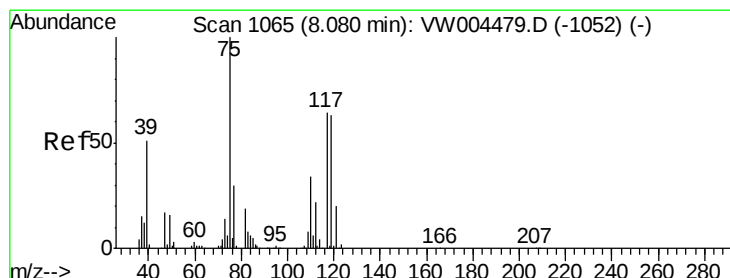
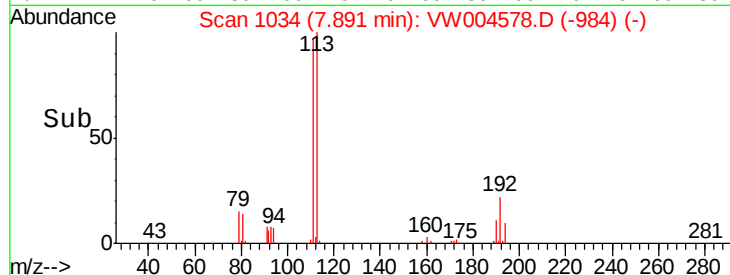
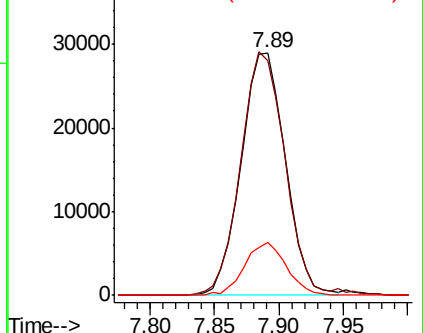
113 100

111 99.7 82.9 124.3

192 20.4 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: 4.412 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004578.D

Acq: 10 Aug 2018 03:43

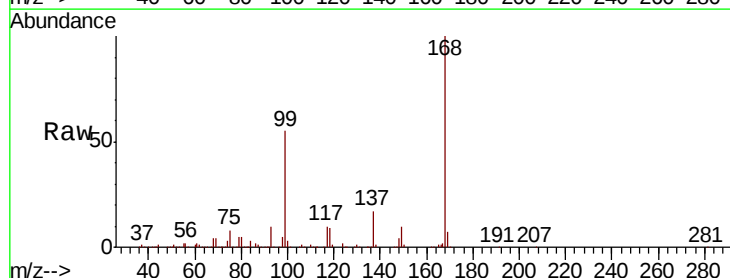
Tgt Ion: 75 Resp: 35493

Ion Ratio Lower Upper

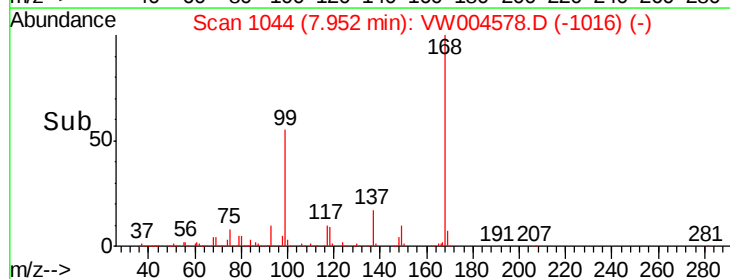
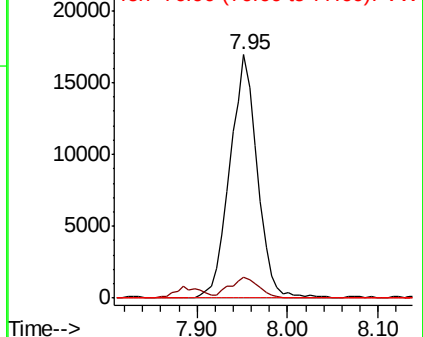
75 100

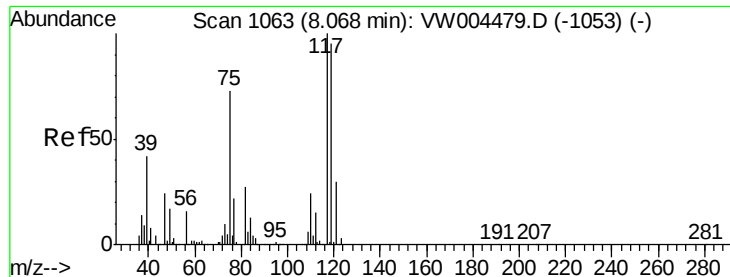
110 9.1 17.4 52.2#

77 0.1 24.7 37.1#



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

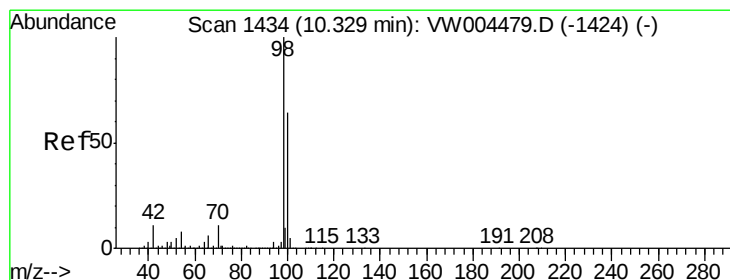
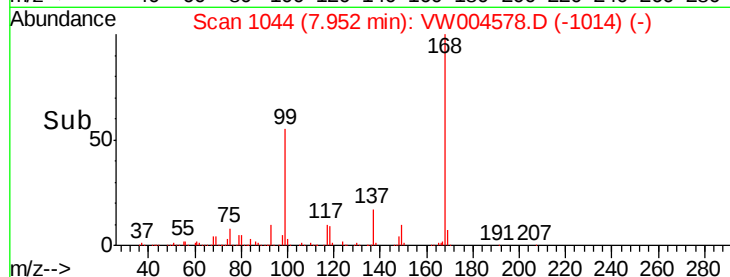
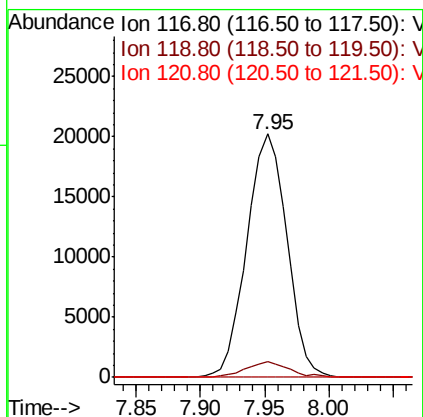
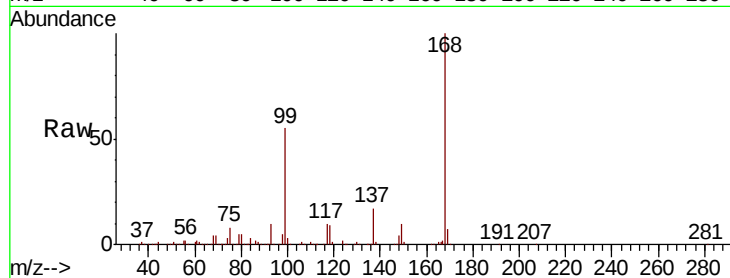




#38
Carbon Tetrachloride
Concen: 6.037 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004578.D
Acq: 10 Aug 2018 03:43

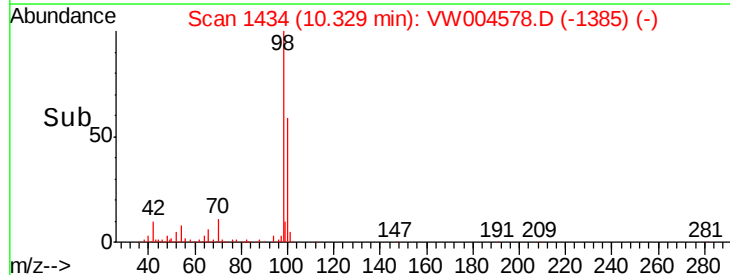
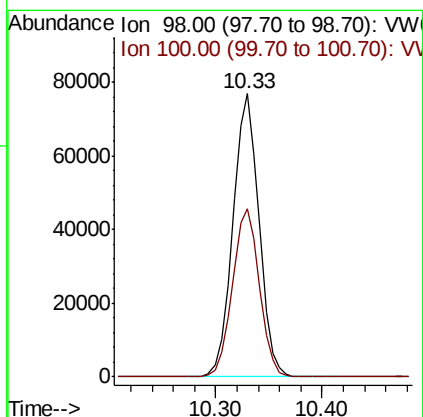
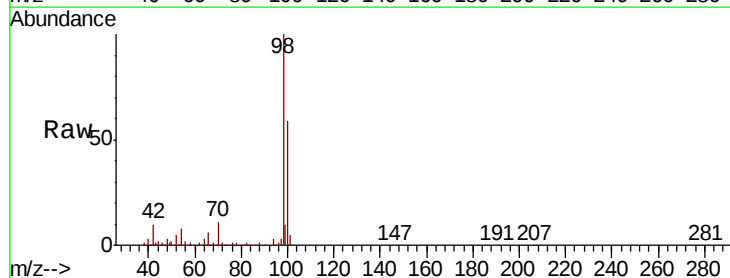
Instrument :
MSVOA_W
ClientSampled :
BFB

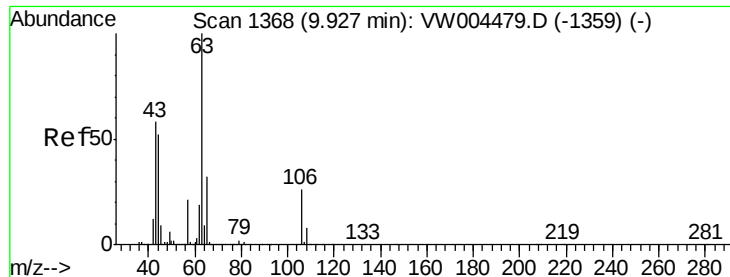
Tgt Ion:117 Resp: 43700
Ion Ratio Lower Upper
117 100
119 6.3 76.1 114.1#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 6.964 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004578.D
Acq: 10 Aug 2018 03:43

Tgt Ion: 98 Resp: 132248
Ion Ratio Lower Upper
98 100
100 61.2 51.4 77.2

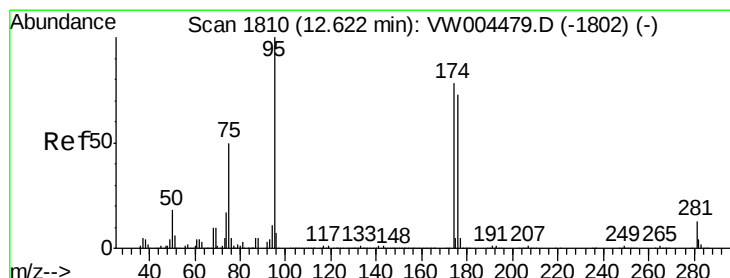
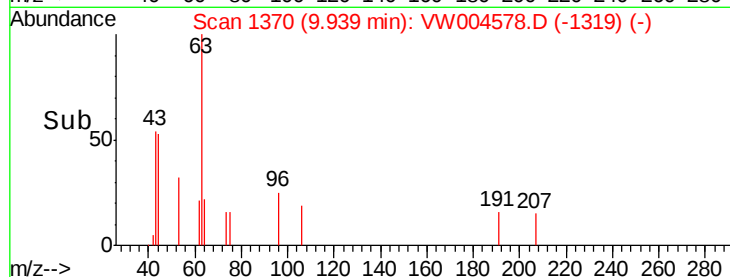
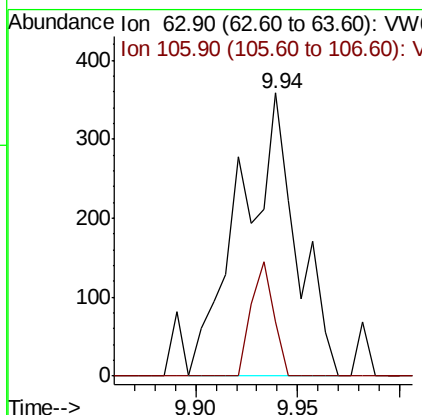
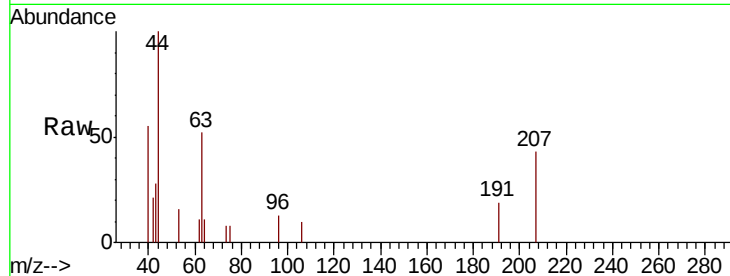




#58
 2-Chloroethyl Vinyl ether
 Concen: 9.184 ug/l
 RT: 9.94 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VW004578.D
 Acq: 10 Aug 2018 03:43

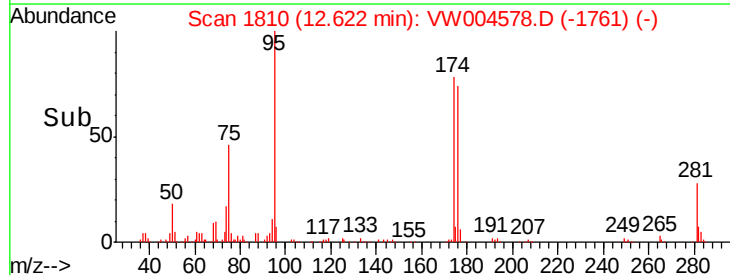
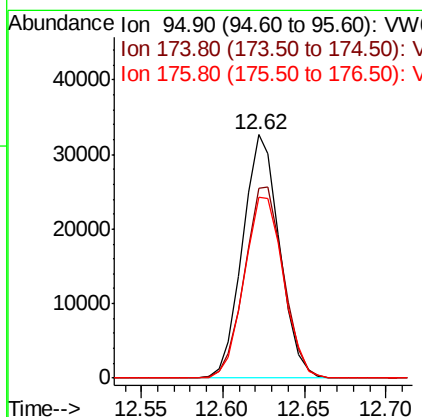
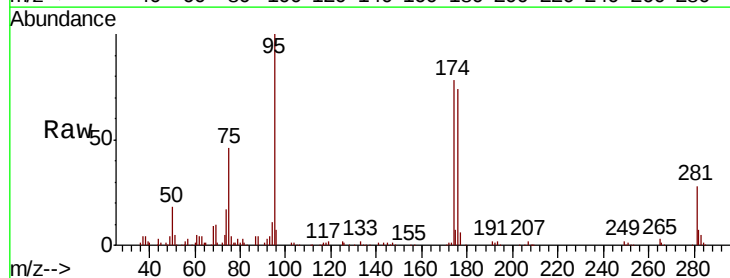
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

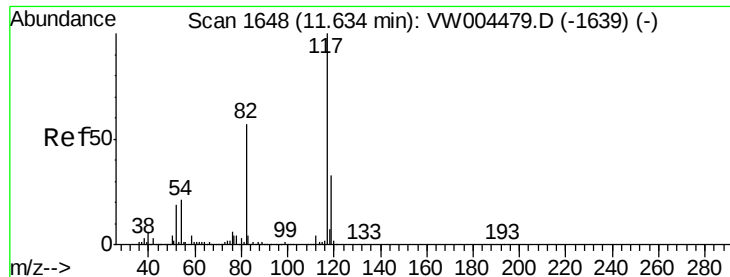
Tgt Ion: 63 Resp: 684
 Ion Ratio Lower Upper
 63 100
 106 16.4 21.3 31.9#



#62
 4-Bromofluorobenzene
 Concen: 7.525 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004578.D
 Acq: 10 Aug 2018 03:43

Tgt Ion: 95 Resp: 51475
 Ion Ratio Lower Upper
 95 100
 174 82.7 0.0 160.4
 176 79.3 0.0 153.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VW004578.D

Acq: 10 Aug 2018 03:43

Instrument :

MSVOA_W

ClientSampled :

BFB

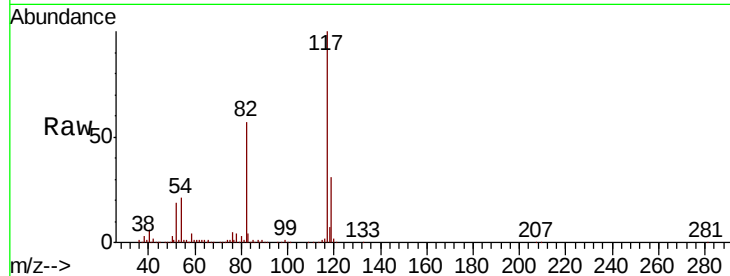
Tgt Ion:117 Resp: 566622

Ion Ratio Lower Upper

117 100

82 57.2 45.3 67.9

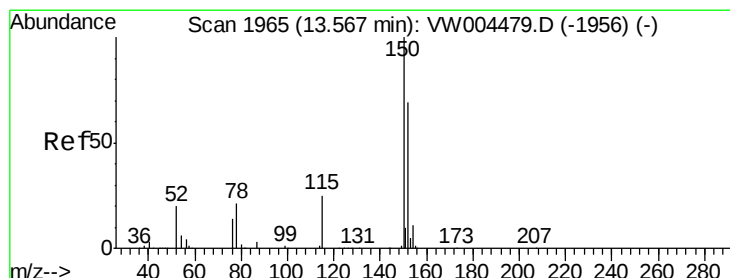
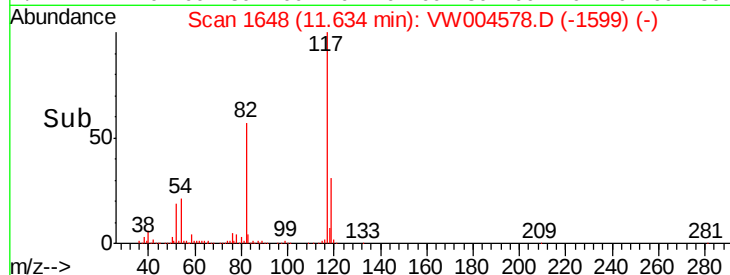
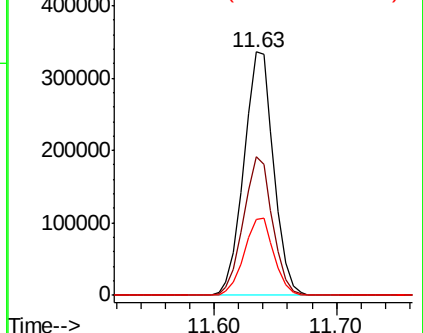
119 31.0 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004578.D

Acq: 10 Aug 2018 03:43

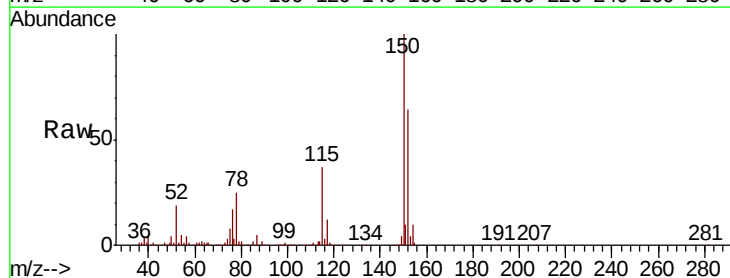
Tgt Ion:152 Resp: 222282

Ion Ratio Lower Upper

152 100

115 58.2 29.1 87.3

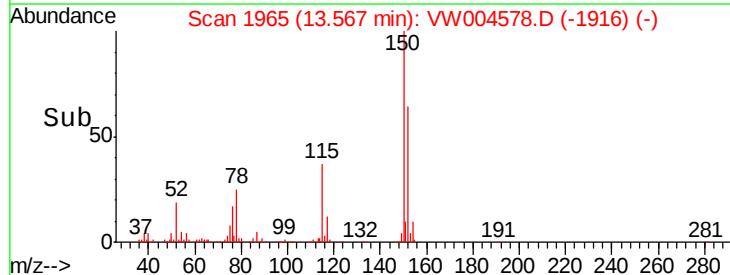
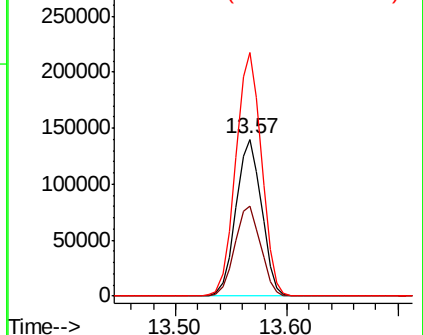
150 156.7 0.0 349.6

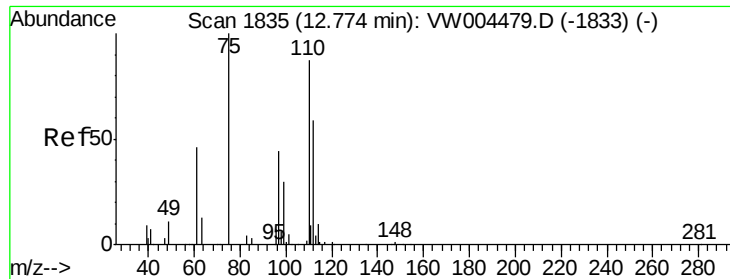


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

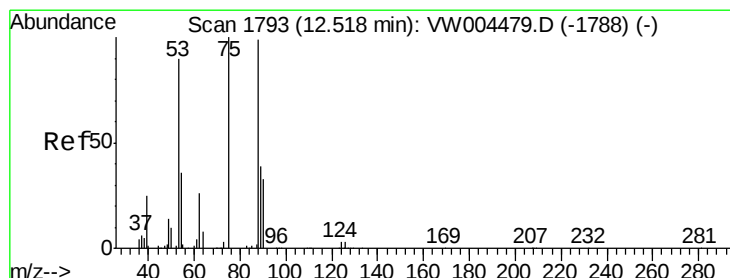
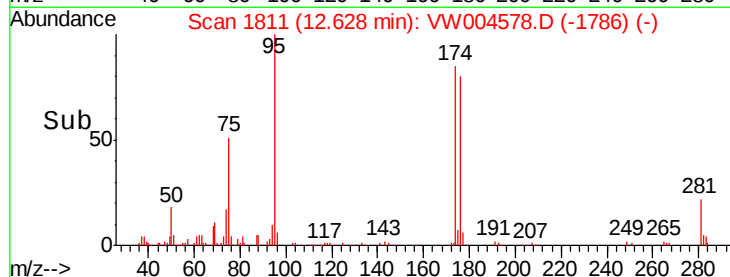
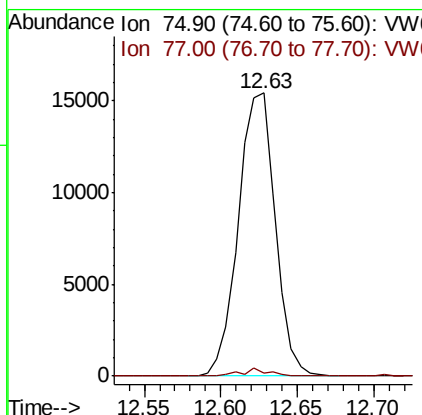
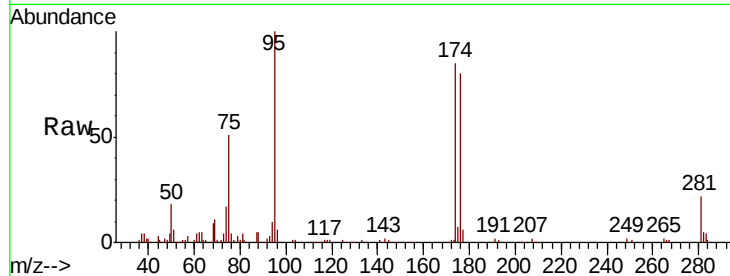




#76
 1,2,3-Trichloropropane
 Concen: 11.221 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW004578.D
 Acq: 10 Aug 2018 03:43

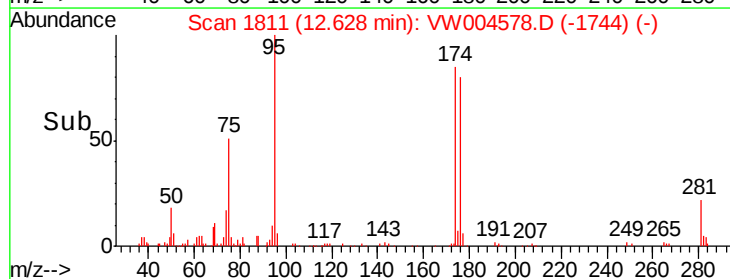
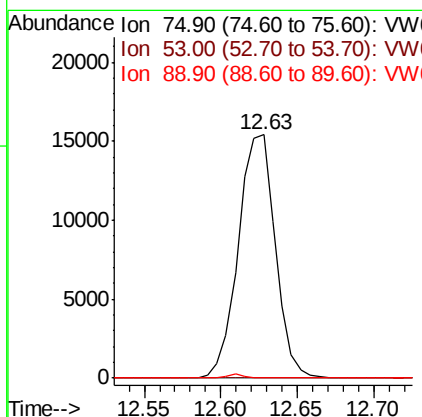
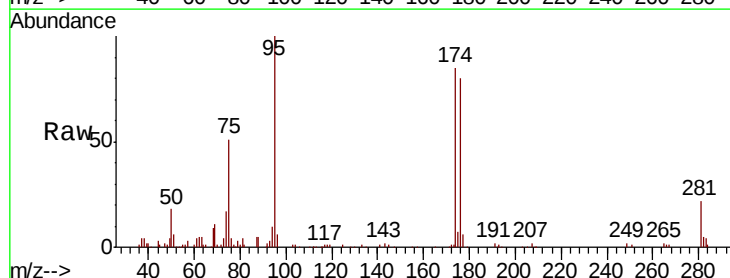
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

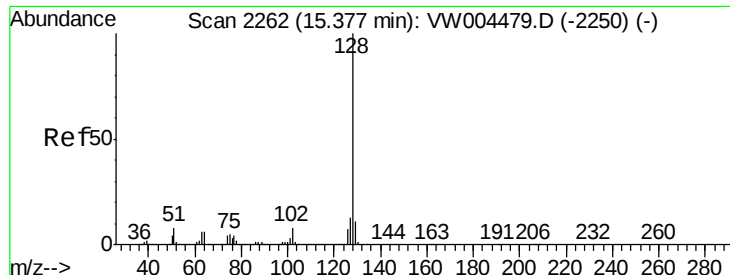
Tgt Ion: 75 Resp: 25810
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 26.862 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.11 min
 Lab File: VW004578.D
 Acq: 10 Aug 2018 03:43

Tgt Ion: 75 Resp: 25810
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.4 111.6#
 89 0.7 35.9 53.9#





#95

Naphthalene

Concen: 2.977 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004578.D

Acq: 10 Aug 2018 03:43

Instrument :

MSVOA_W

ClientSampleId :

BFB

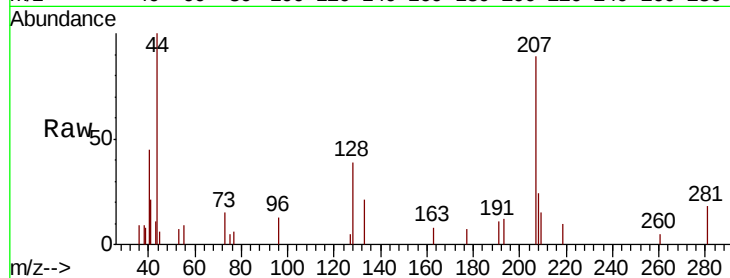
Tgt Ion:128 Resp: 657

Ion Ratio Lower Upper

128 100

127 3.0 10.3 15.5#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

