

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW083119\
 Data File : VW012432.D
 Acq On : 01 Sep 2019 06:39
 Operator : SY/VA
 Sample : K4516-11
 Misc : 5.11G/5ML/MSVOA_W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Sep 02 01:08:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	186412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	308373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	260391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104352	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	130948	59.09	ug/l	0.00
Spiked Amount			Recovery	=	118.18%	
35) Dibromofluoromethane	7.88	113	99093	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	
50) Toluene-d8	10.32	98	377226	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	119677	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	

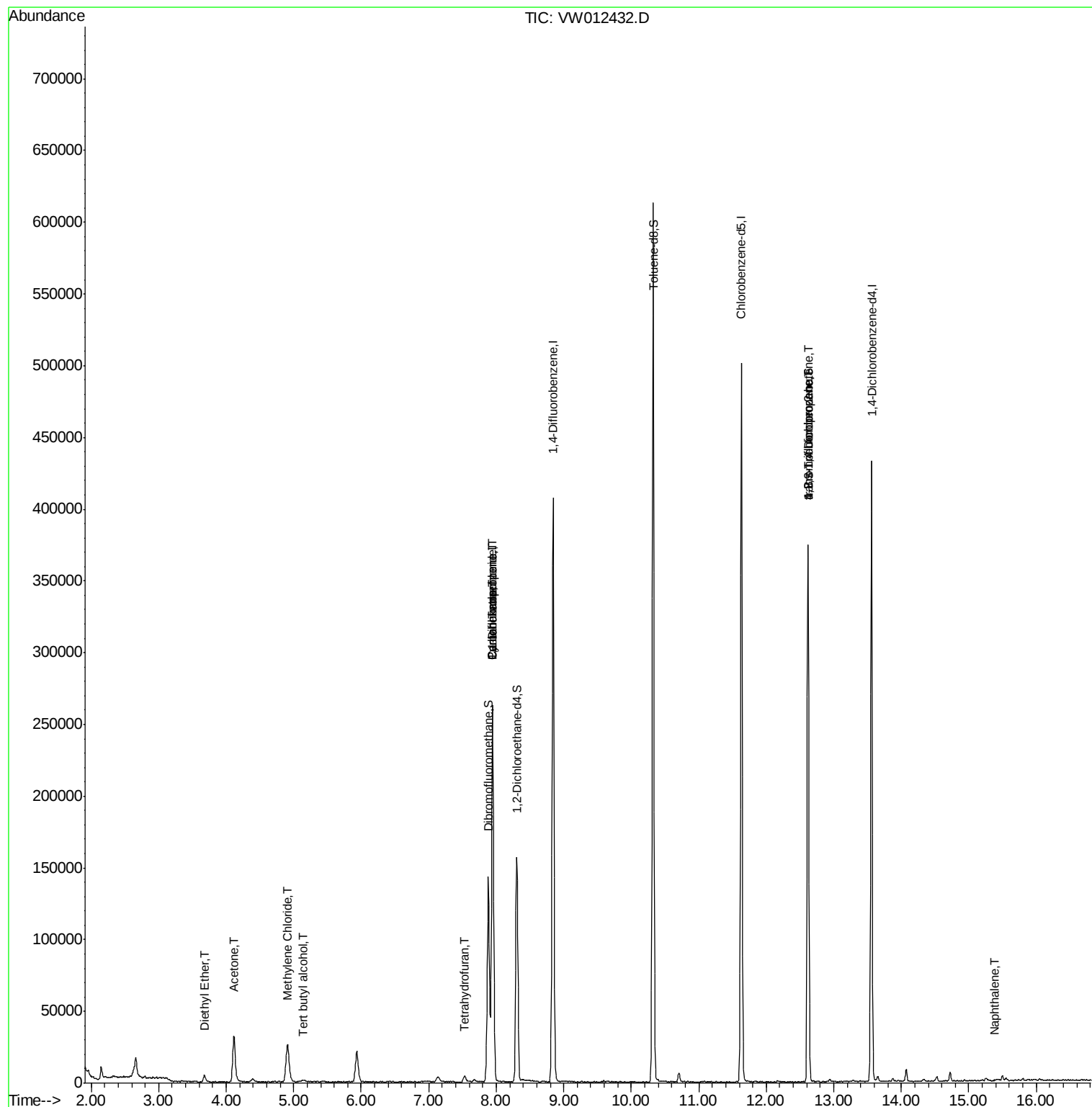
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2291	2.208	ug/l	97
11) Tert butyl alcohol	5.14	59	1141	8.556	ug/l #	81
16) Acetone	4.11	43	56956	100.549	ug/l	94
20) Methylene Chloride	4.91	84	18462	8.621	ug/l	94
29) Tetrahydrofuran	7.54	42	3448	7.466	ug/l	90
31) Cyclohexane	7.95	56	4858	1.217	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16553	5.194	ug/l #	52
38) Carbon Tetrachloride	7.94	117	19359	7.019	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	66410	65.344	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66410	143.269	ug/l #	6
95) Naphthalene	15.37	128	91	4.342	ug/l #	69

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

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BFB

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012432.D

Acq: 01 Sep 2019 06:39

Instrument :

MSVOA_W

ClientSampled :

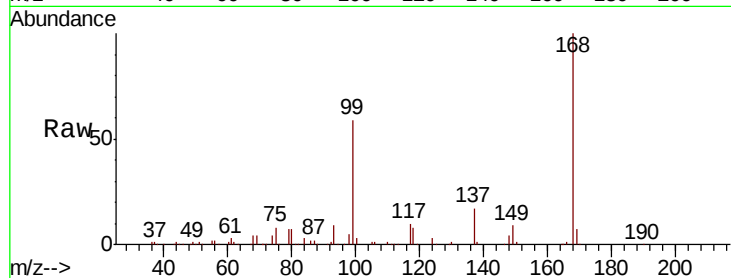
BFB

Tgt Ion:168 Resp: 186412

Ion Ratio Lower Upper

168 100

99 59.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

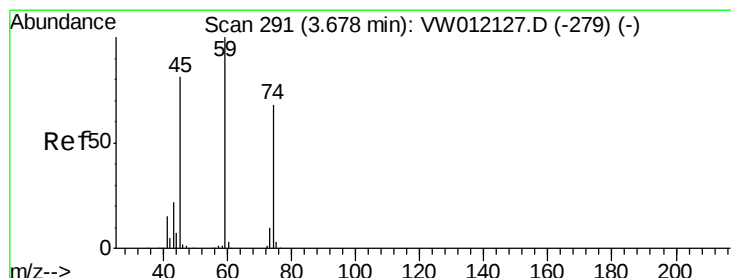
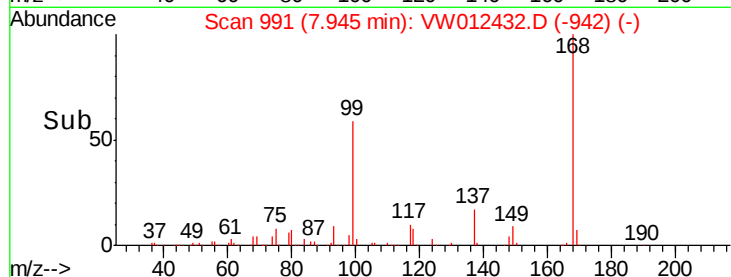
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 2.208 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012432.D

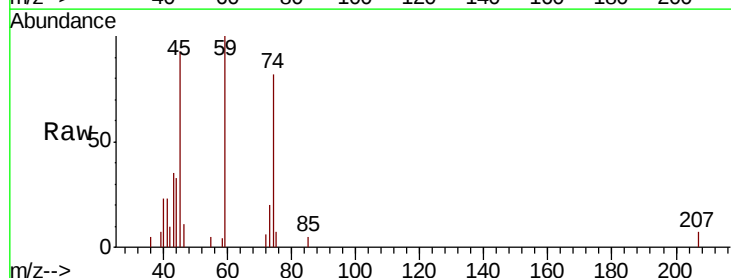
Acq: 01 Sep 2019 06:39

Tgt Ion: 74 Resp: 2291

Ion Ratio Lower Upper

74 100

45 121.2 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

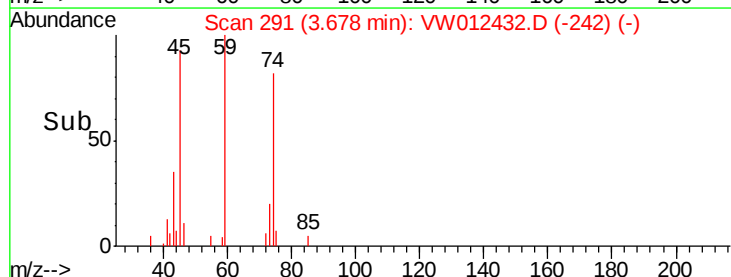
3.68

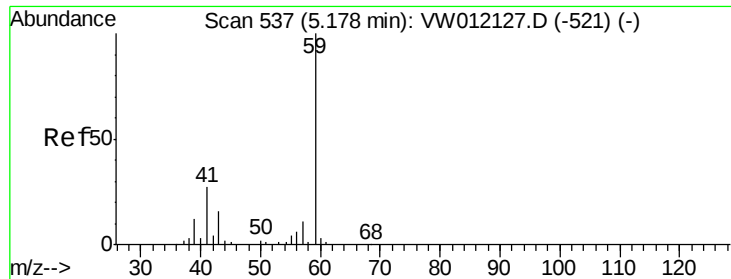
1000

500

0

Time--> 3.60 3.65 3.70 3.75

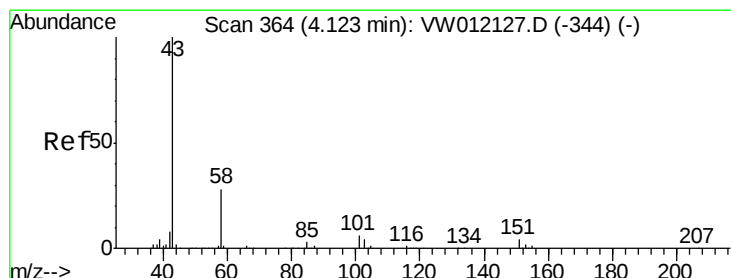
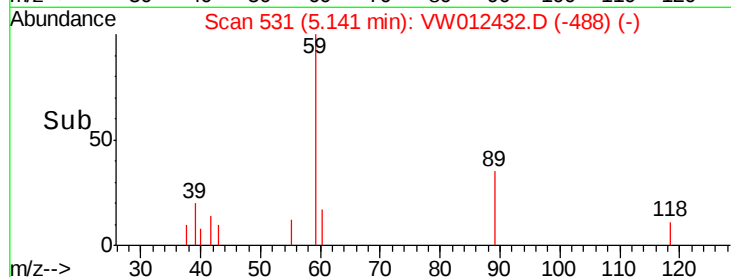
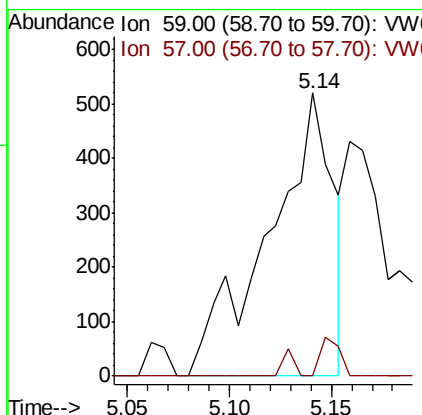
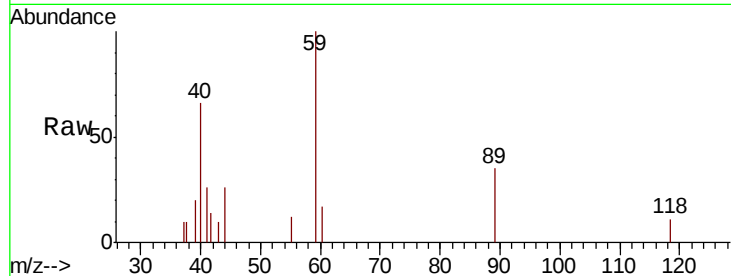




#11
Tert butyl alcohol
Concen: 8.556 ug/l
RT: 5.14 min Scan# 531
Delta R.T. -0.04 min
Lab File: VW012432.D
Acq: 01 Sep 2019 06:39

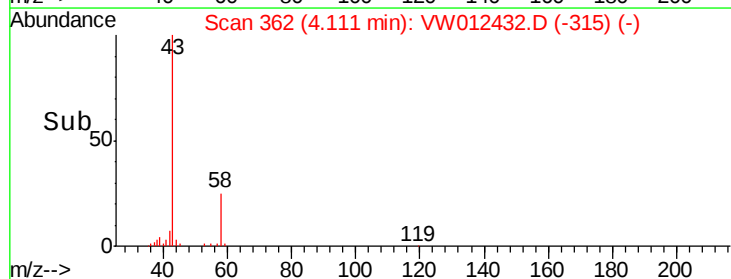
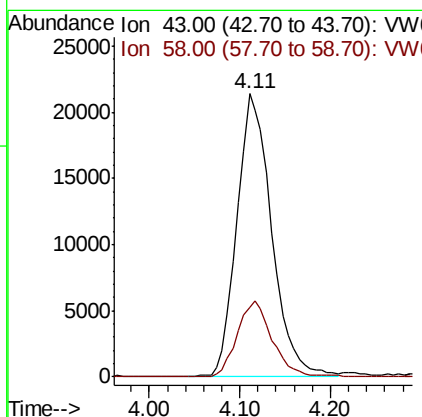
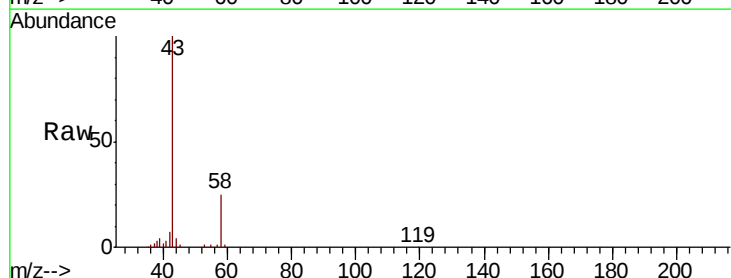
Instrument :
MSVOA_W
ClientSampled :
BFB

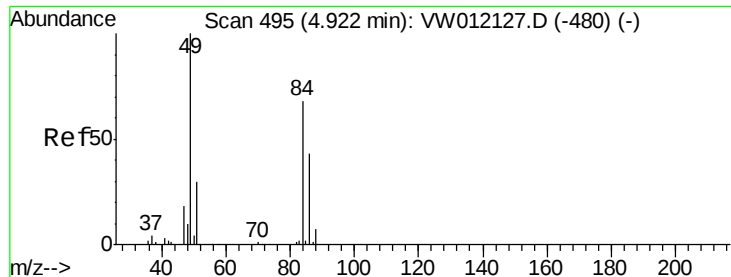
Tgt Ion: 59 Resp: 1141
Ion Ratio Lower Upper
59 100
57 3.9 9.0 13.4#



#16
Acetone
Concen: 100.549 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012432.D
Acq: 01 Sep 2019 06:39

Tgt Ion: 43 Resp: 56956
Ion Ratio Lower Upper
43 100
58 24.7 22.4 33.6

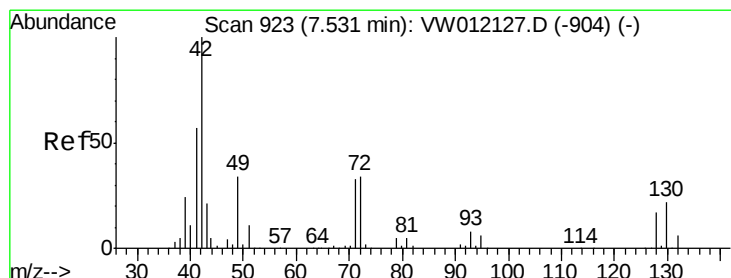
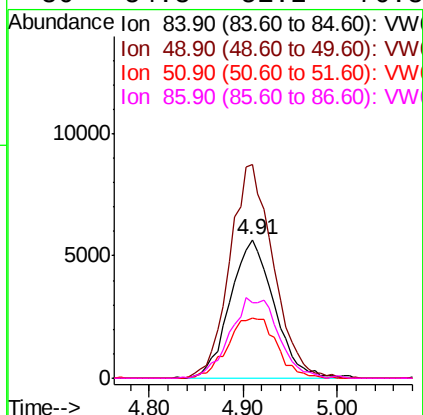
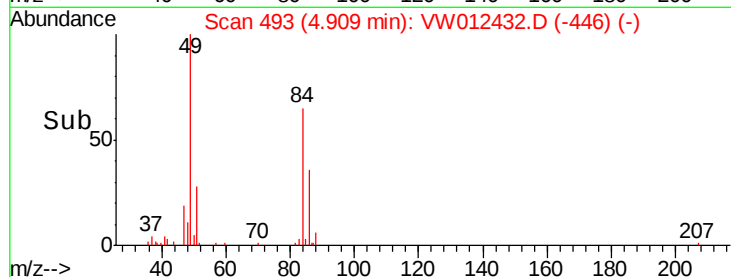
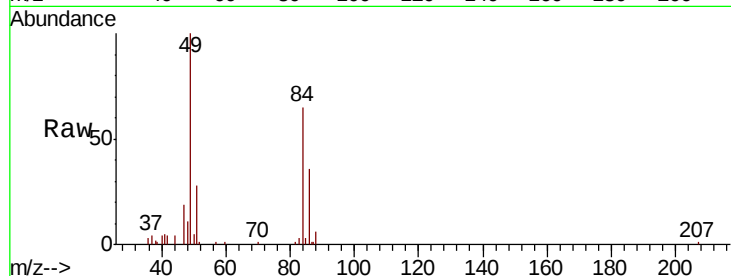




#20
Methylene Chloride
Concen: 8.621 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012432.D
Acq: 01 Sep 2019 06:39

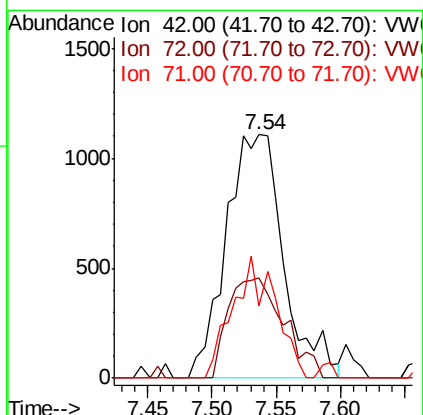
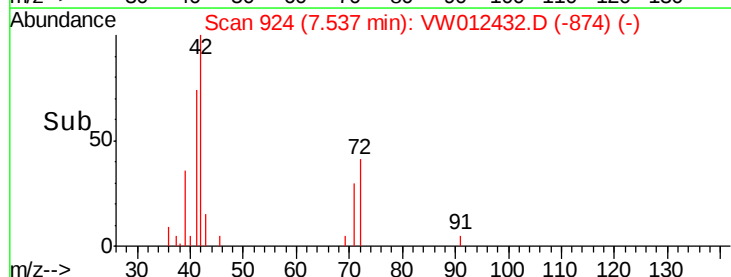
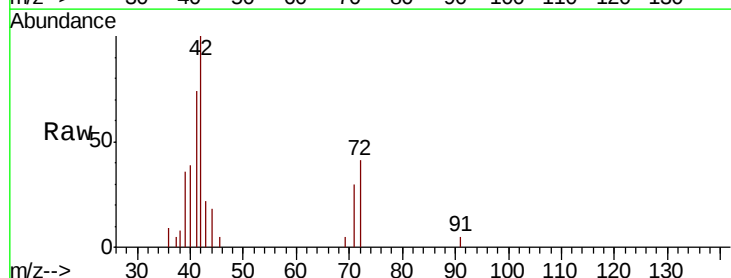
Instrument :
MSVOA_W
ClientSampled :
BFB

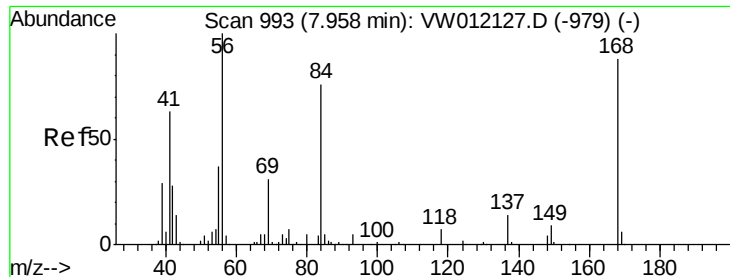
Tgt Ion:	84	Resp:	18462
Ion	Ratio	Lower	Upper
84	100		
49	153.3	117.8	176.8
51	43.5	35.6	53.4
86	54.8	51.2	76.8



#29
Tetrahydrofuran
Concen: 7.466 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012432.D
Acq: 01 Sep 2019 06:39

Tgt Ion:	42	Resp:	3448
Ion	Ratio	Lower	Upper
42	100		
72	39.8	27.3	40.9
71	37.2	25.5	38.3

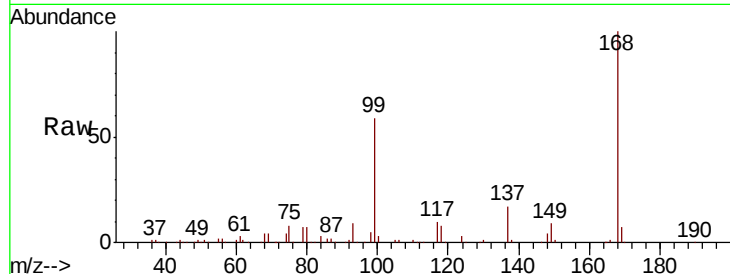




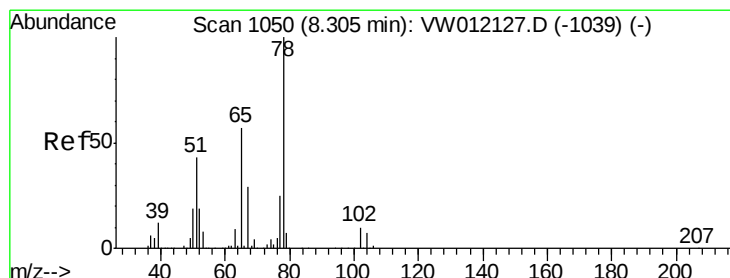
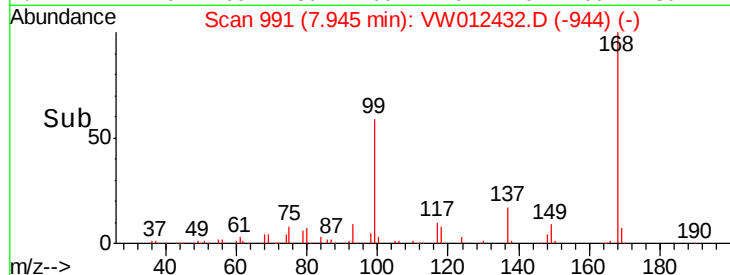
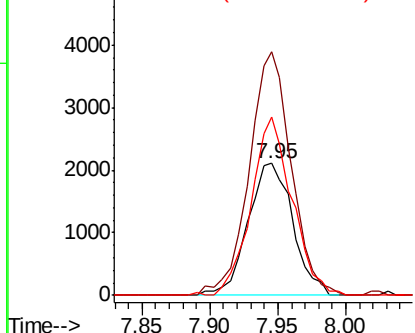
#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012432.D
Acq: 01 Sep 2019 06:39

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion: 56 Resp: 4858
Ion Ratio Lower Upper
56 100
69 184.9 24.9 37.3#
84 135.3 60.6 90.8#

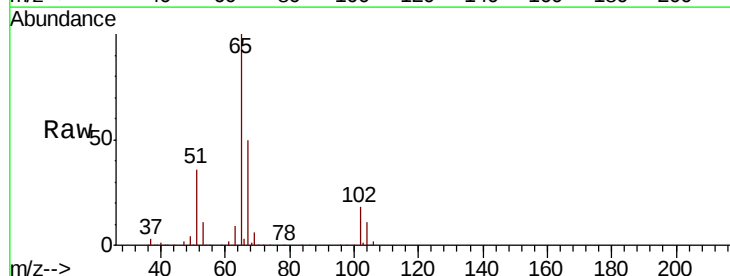


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

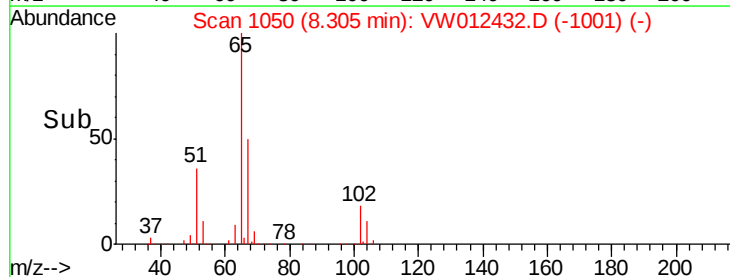
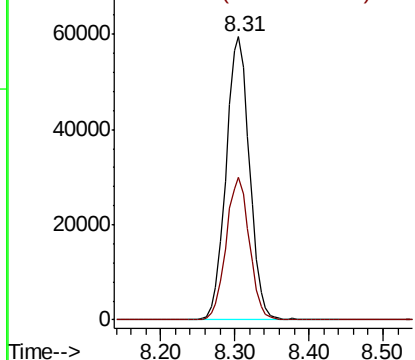


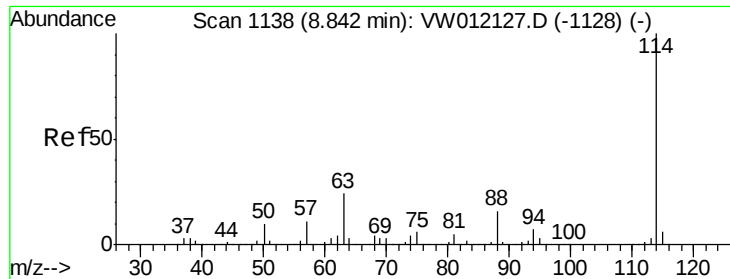
#33
1,2-Dichloroethane-d4
Concen: 59.093 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012432.D
Acq: 01 Sep 2019 06:39

Tgt Ion: 65 Resp: 130948
Ion Ratio Lower Upper
65 100
67 50.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

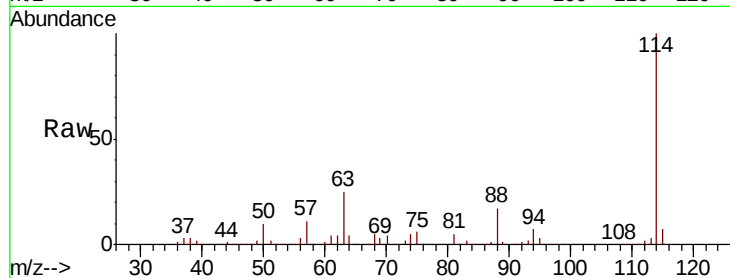




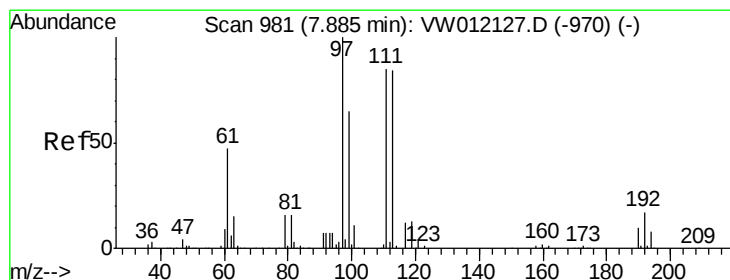
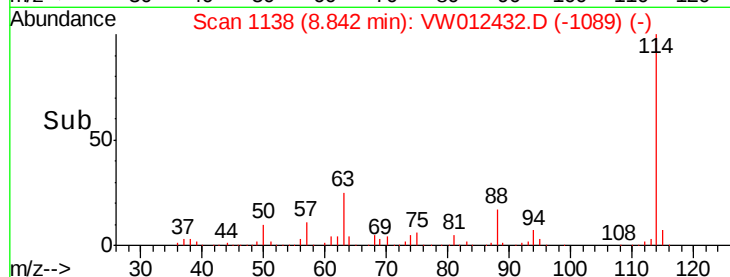
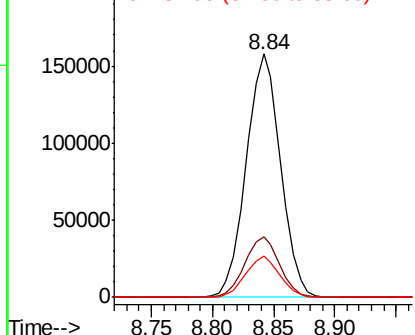
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012432.D
 Acq: 01 Sep 2019 06:39

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:114 Resp: 308373
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 16.7 0.0 32.2

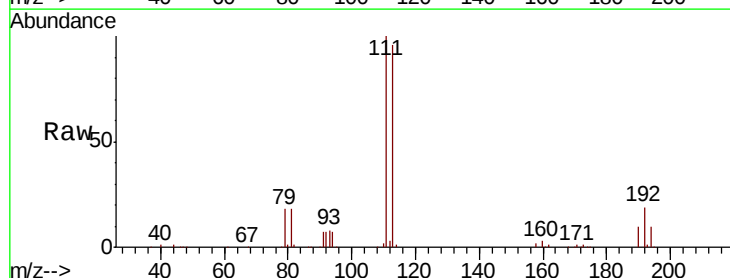


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

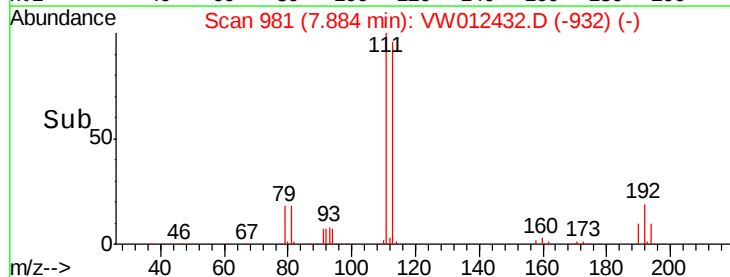
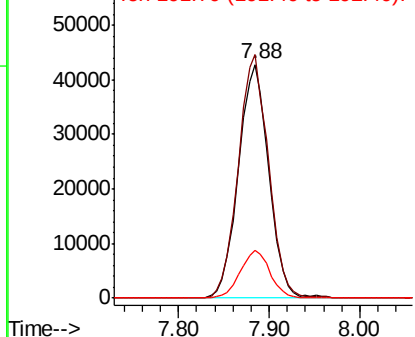


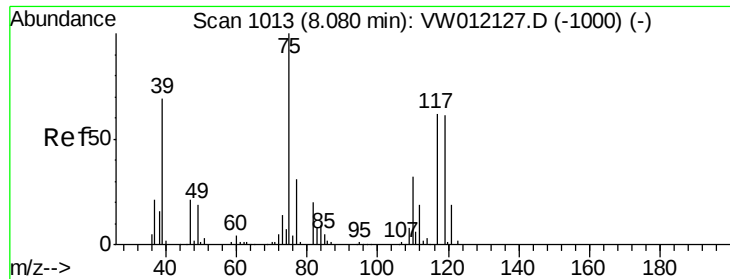
#35
 Dibromofluoromethane
 Concen: 53.835 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012432.D
 Acq: 01 Sep 2019 06:39

Tgt Ion:113 Resp: 99093
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.7 124.1
 192 19.9 16.2 24.2



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

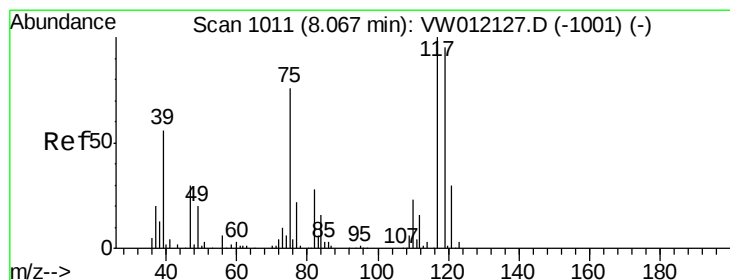
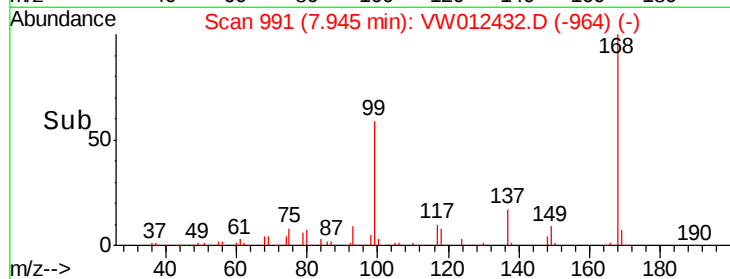
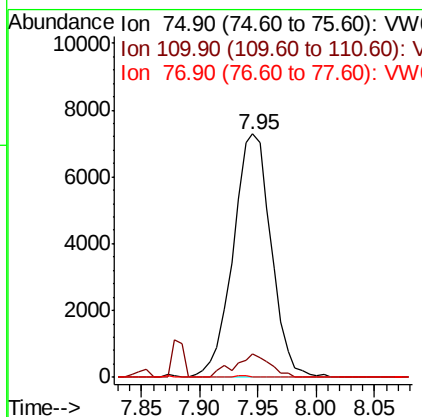
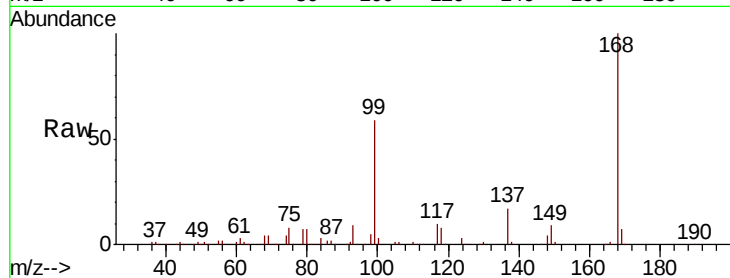




#36
 1,1-Dichloropropene
 Concen: 5.194 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012432.D
 Acq: 01 Sep 2019 06:39

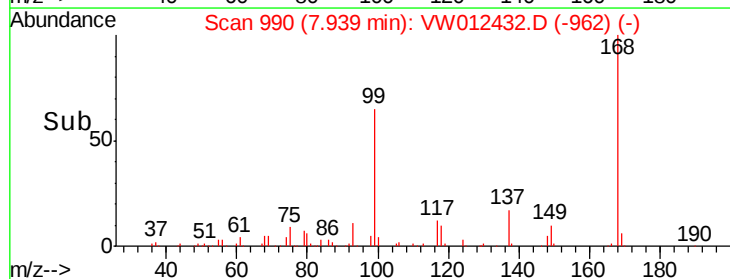
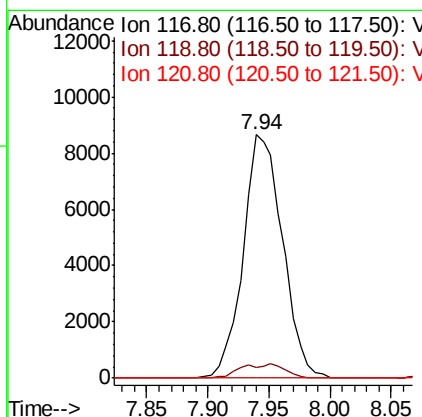
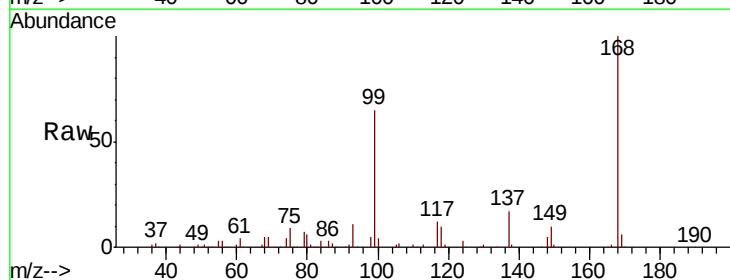
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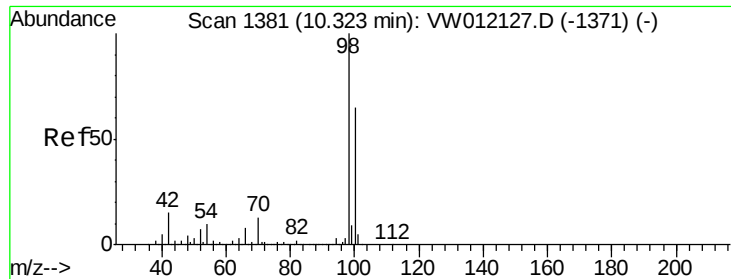
Tgt Ion: 75 Resp: 16553
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.6 46.8#
 77 0.2 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.019 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012432.D
 Acq: 01 Sep 2019 06:39

Tgt Ion: 117 Resp: 19359
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 50.543 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012432.D

Acq: 01 Sep 2019 06:39

Instrument :

MSVOA_W

ClientSampleId :

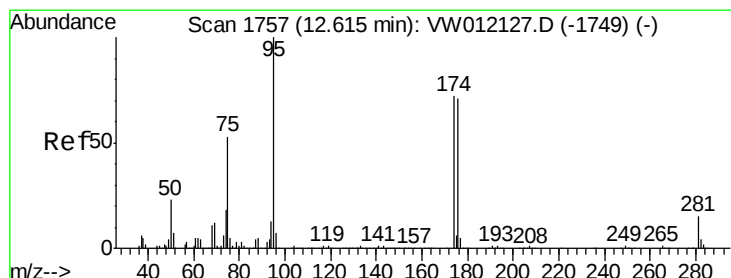
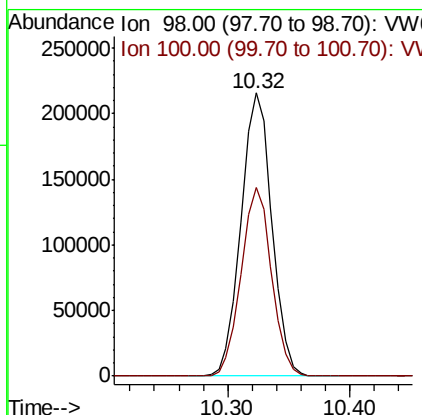
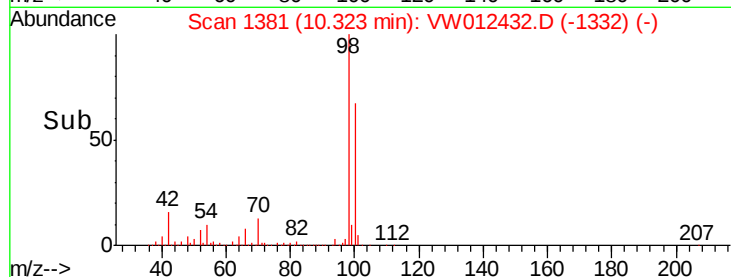
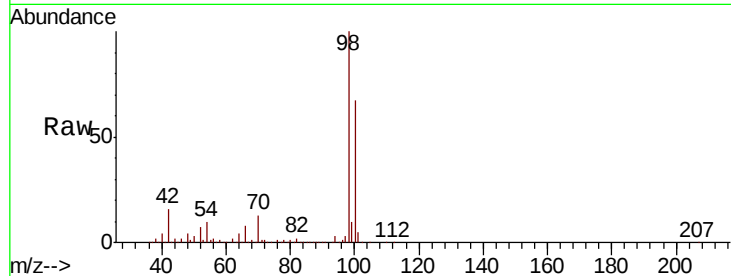
BFB

Tgt Ion: 98 Resp: 377226

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.490 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012432.D

Acq: 01 Sep 2019 06:39

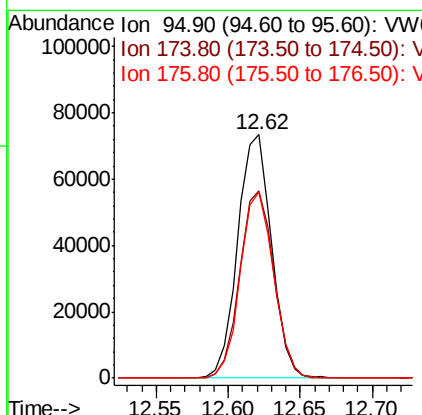
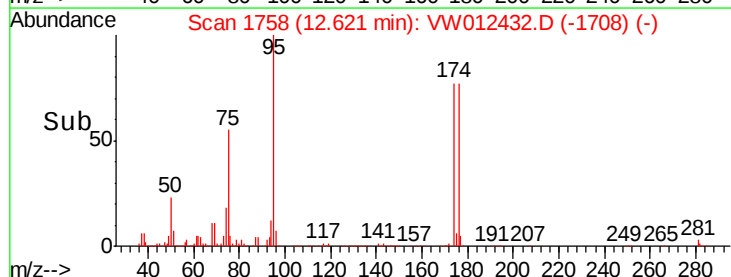
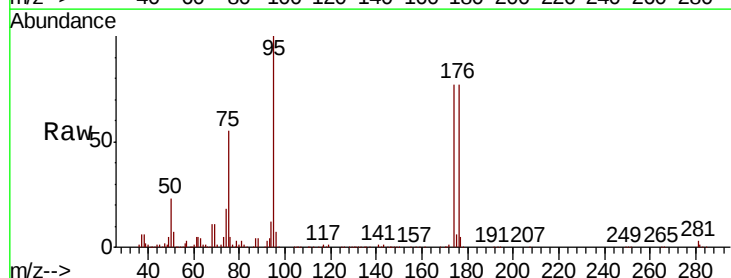
Tgt Ion: 95 Resp: 119677

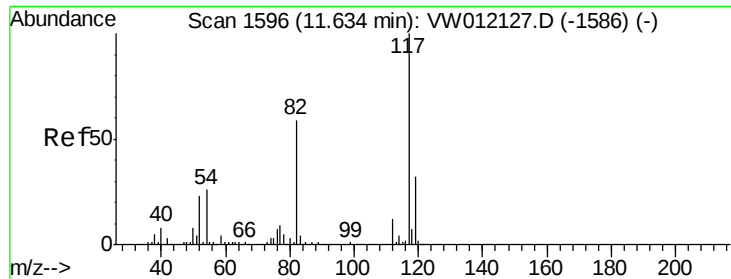
Ion Ratio Lower Upper

95 100

174 77.7 0.0 150.8

176 75.5 0.0 148.6

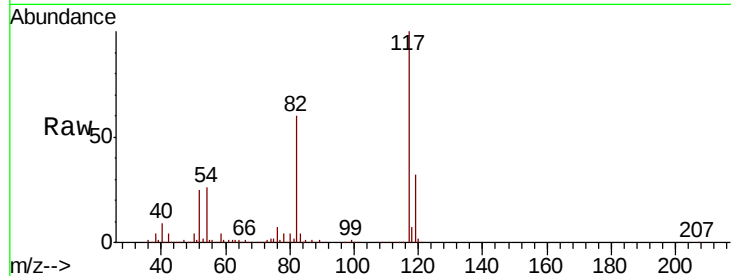




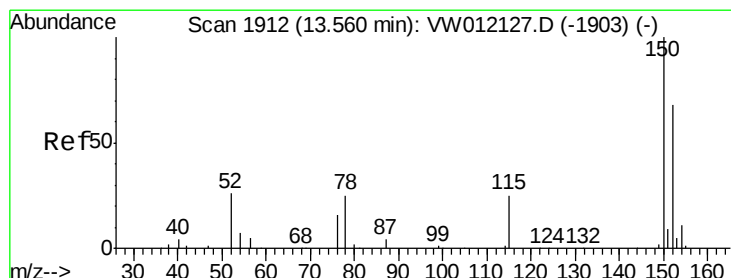
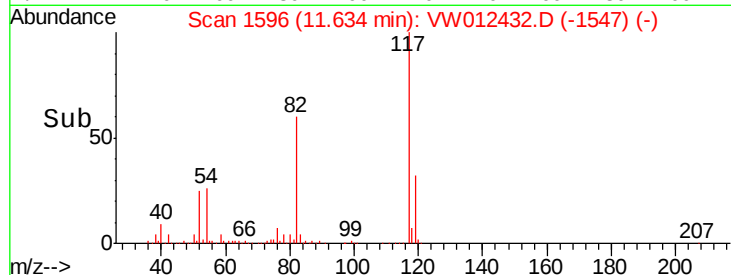
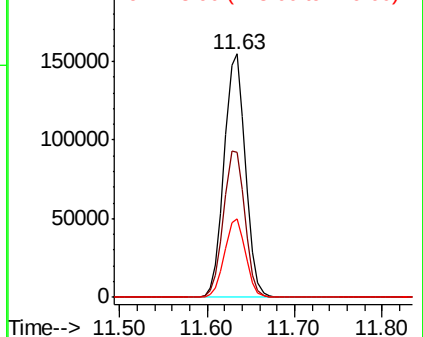
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012432.D
Acq: 01 Sep 2019 06:39

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:117 Resp: 260391
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 32.2 25.4 38.2

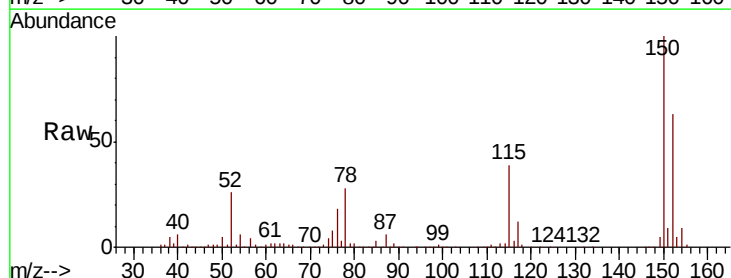


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

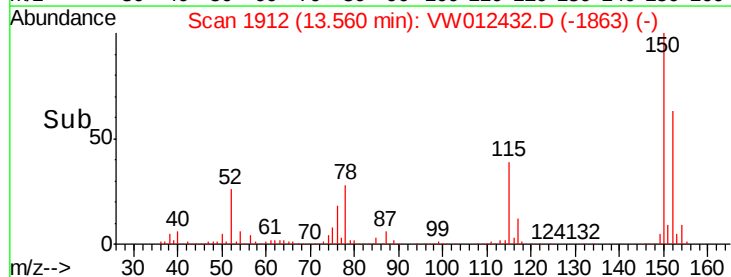
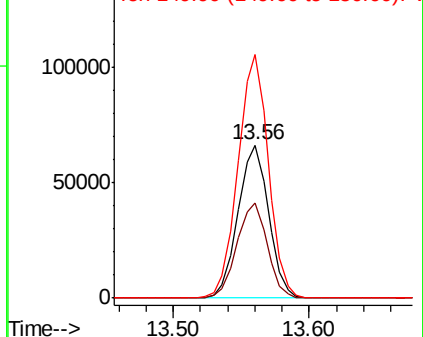


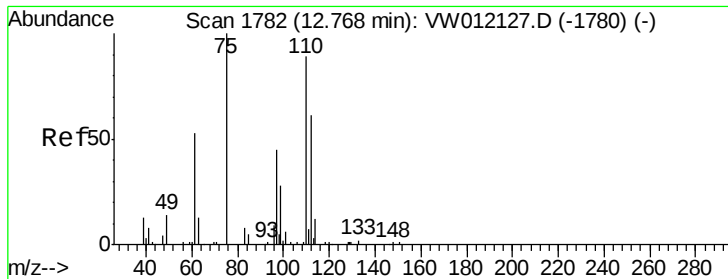
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012432.D
Acq: 01 Sep 2019 06:39

Tgt Ion:152 Resp: 104352
Ion Ratio Lower Upper
152 100
115 61.9 30.1 90.3
150 157.5 0.0 345.8



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: 65.344 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012432.D

Acq: 01 Sep 2019 06:39

Instrument :

MSVOA_W

ClientSampled :

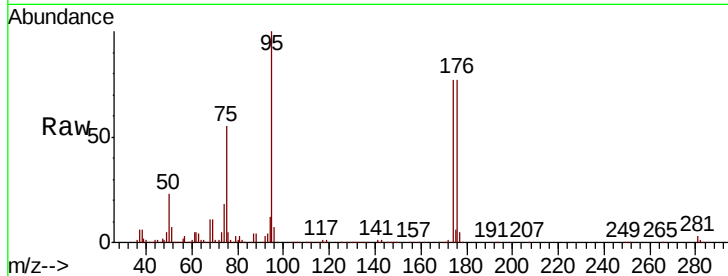
BFB

Tgt Ion: 75 Resp: 66410

Ion Ratio Lower Upper

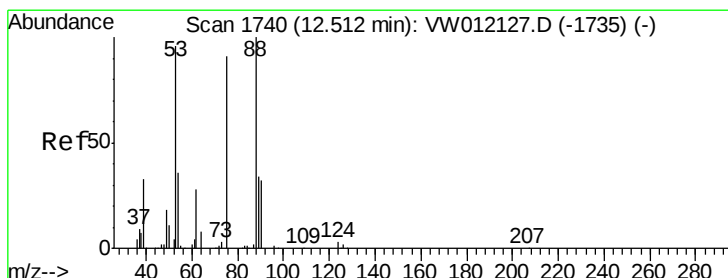
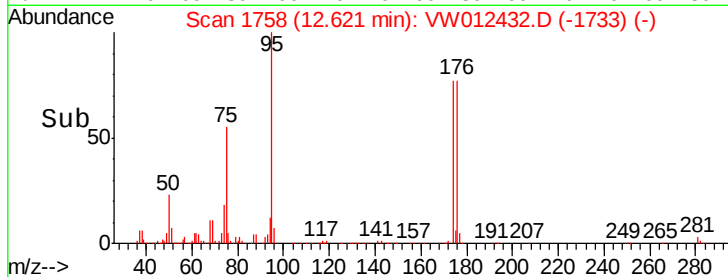
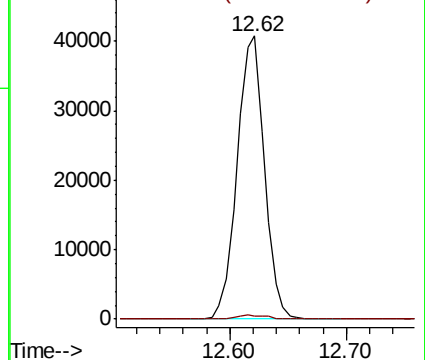
75 100

77 1.5 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: 143.269 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012432.D

Acq: 01 Sep 2019 06:39

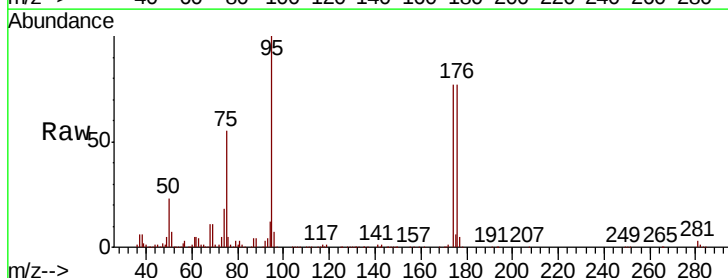
Tgt Ion: 75 Resp: 66410

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

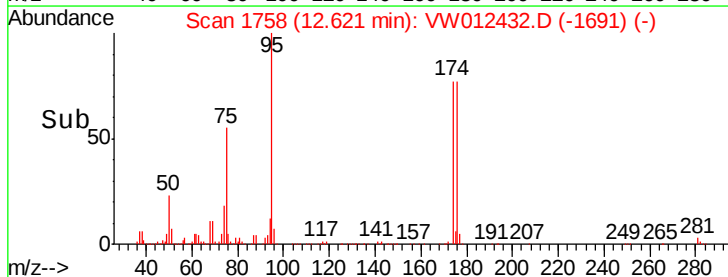
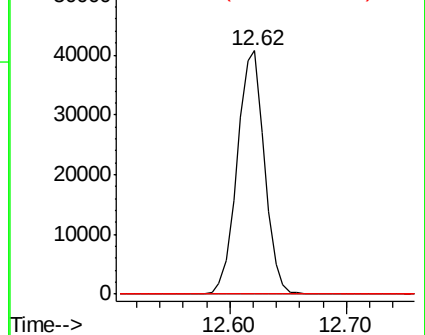
89 0.0 34.5 51.7#

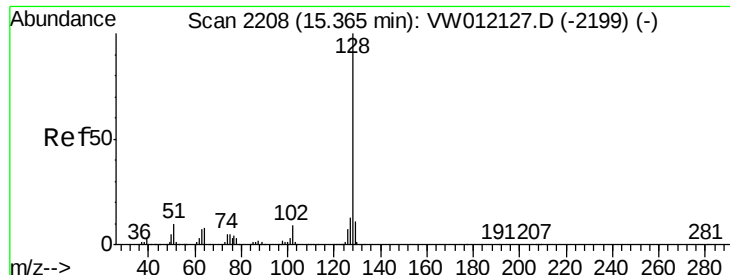


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 4.342 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012432.D

Acq: 01 Sep 2019 06:39

Instrument :

MSVOA_W

ClientSampleId :

BFB

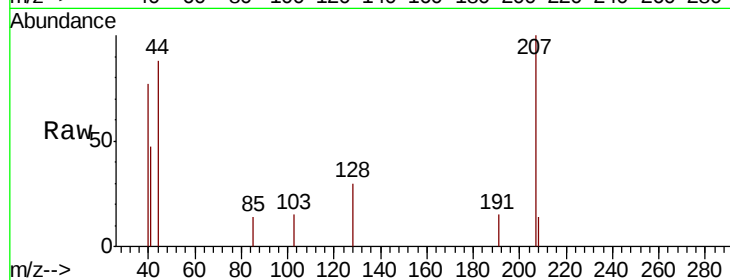
Tgt Ion:128 Resp: 91

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



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

