

Data File : VW012115.D
Acq On : 22 Aug 2019 17:09
Operator : SY/VA
Sample : K4461-11
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-06-7.5-8.0

Quant Time: Aug 23 08:01:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	389679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	138732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	148039	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	
35) Dibromofluoromethane	7.88	113	117813	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	
50) Toluene-d8	10.32	98	480356	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
62) 4-Bromofluorobenzene	12.62	95	156667	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

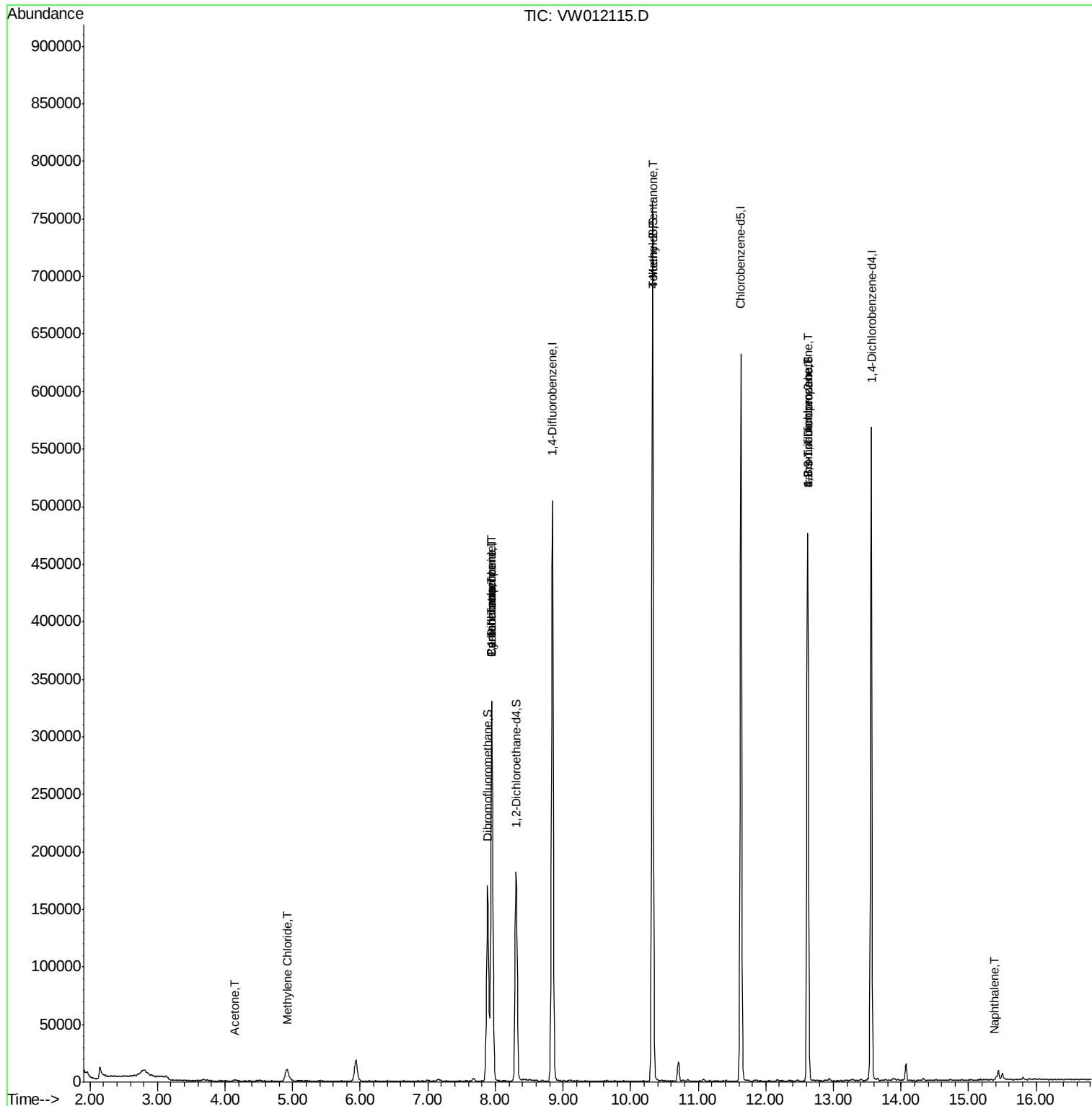
						Qvalue
11) Tert butyl alcohol	5.17	59	213	Below Cal	#	72
16) Acetone	4.14	43	1781	2.091	ug/l	96
20) Methylene Chloride	4.92	84	8290	2.822	ug/l	88
31) Cyclohexane	7.95	56	5939	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20719	5.113	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23616	6.808	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	2924	1.311	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	82554	56.238	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82554	129.609	ug/l #	6
95) Naphthalene	15.38	128	111	2.085	ug/l #	69

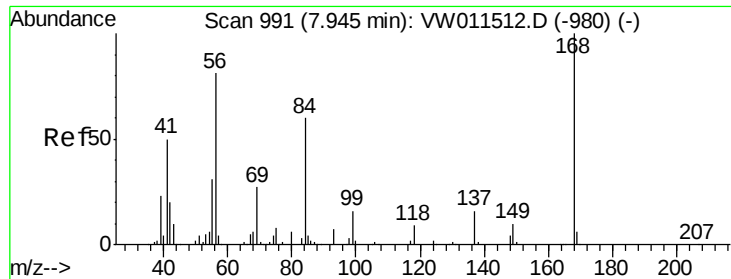
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012115.D

Acq: 22 Aug 2019 17:09

Instrument :

MSVOA_W

ClientSampleId :

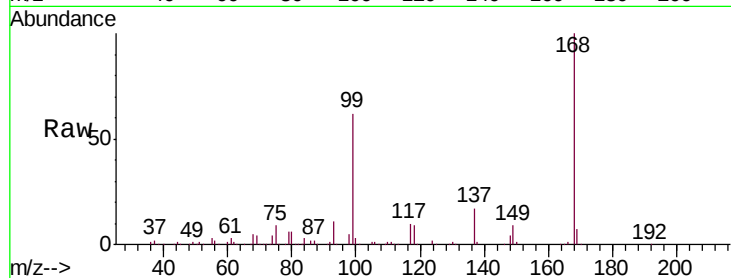
SB-06-7.5-8.0

Tgt Ion:168 Resp: 233171

Ion Ratio Lower Upper

168 100

99 62.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

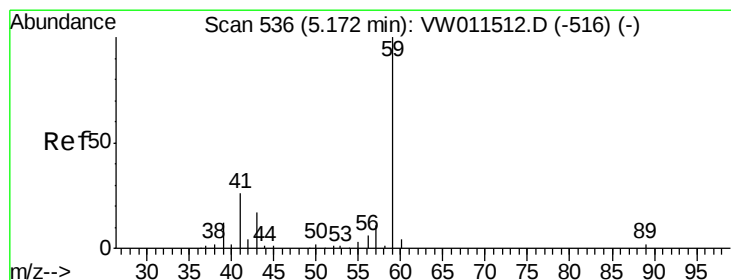
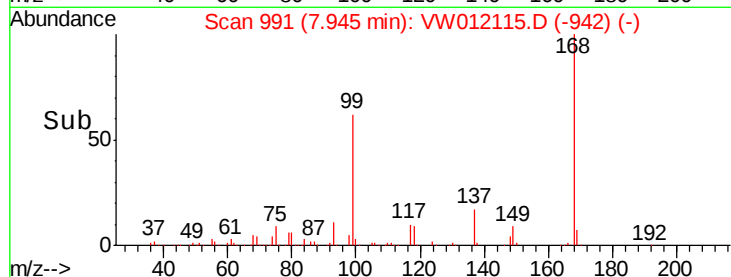
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW012115.D

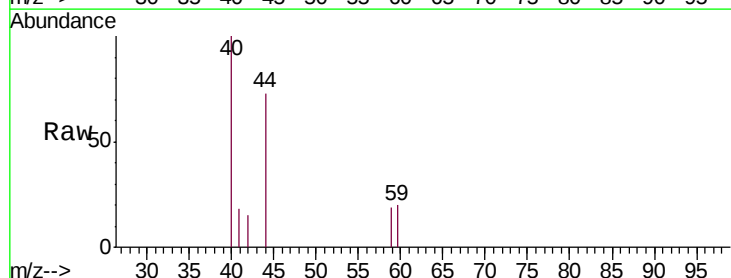
Acq: 22 Aug 2019 17:09

Tgt Ion: 59 Resp: 213

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

5.17

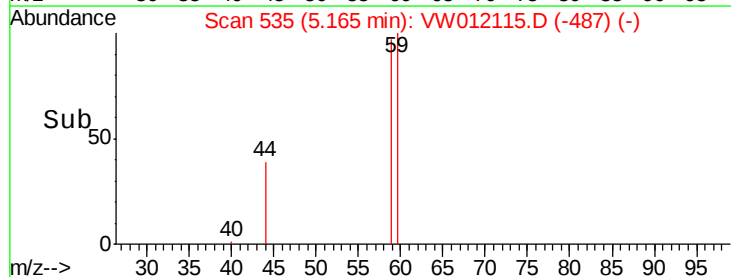
150

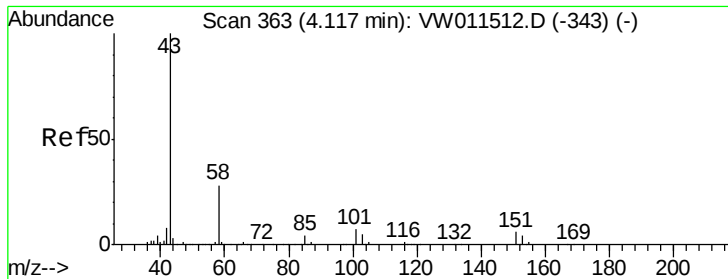
100

50

0

Time-->

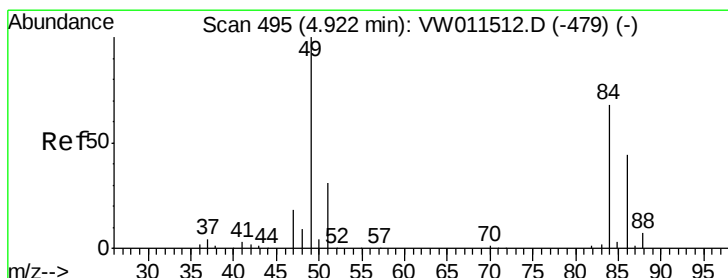
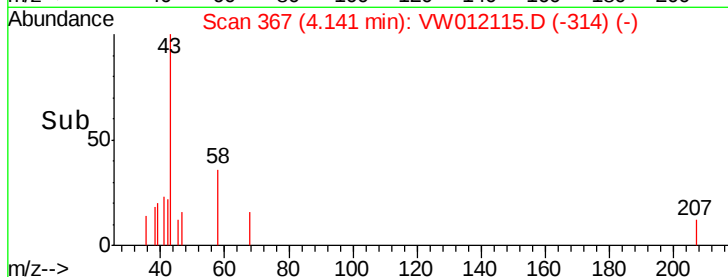
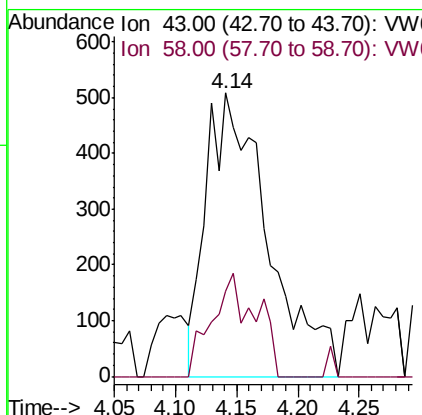
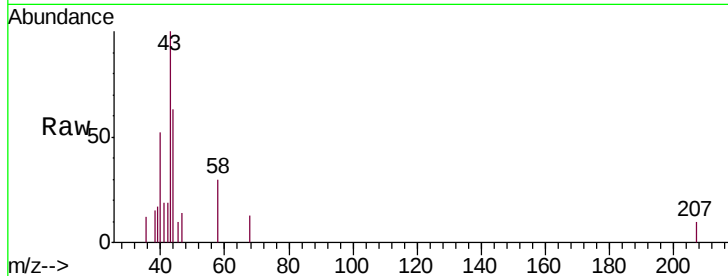




#16
Acetone
Concen: 2.091 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012115.D
Acq: 22 Aug 2019 17:09

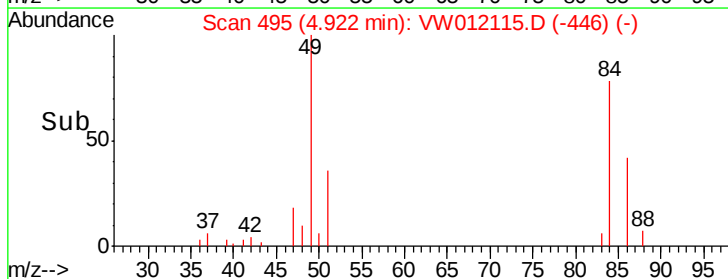
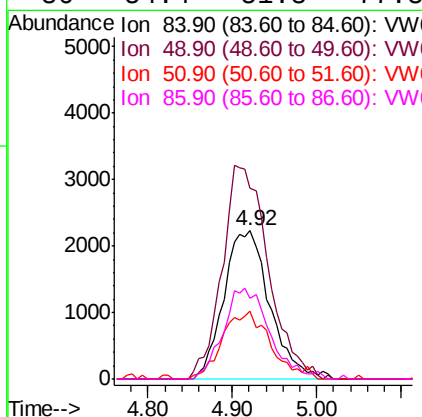
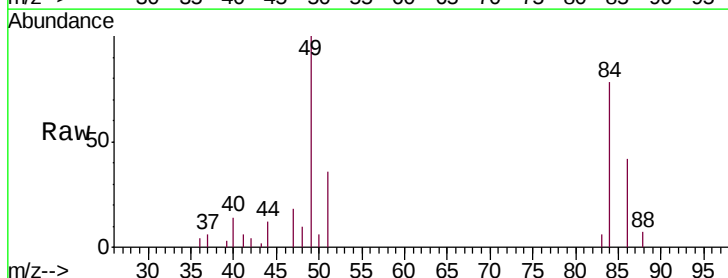
Instrument :
MSVOA_W
ClientSampled :
SB-06-7.5-8.0

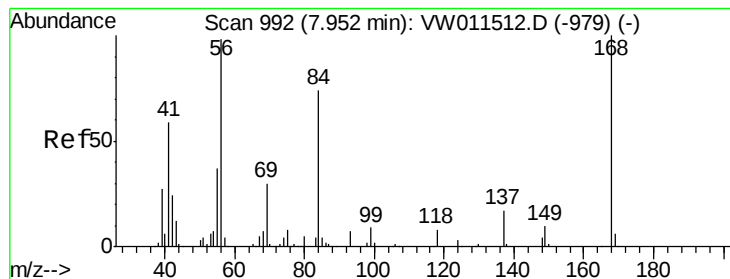
Tgt Ion: 43 Resp: 1781
Ion Ratio Lower Upper
43 100
58 30.1 22.3 33.5



#20
Methylene Chloride
Concen: 2.822 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012115.D
Acq: 22 Aug 2019 17:09

Tgt Ion: 84 Resp: 8290
Ion Ratio Lower Upper
84 100
49 128.8 117.8 176.6
51 46.0 37.0 55.4
86 54.4 51.8 77.8





#31

Cyclohexane

Concen: 1.186 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012115.D

Acq: 22 Aug 2019 17:09

Instrument :

MSVOA_W

ClientSampleId :

SB-06-7.5-8.0

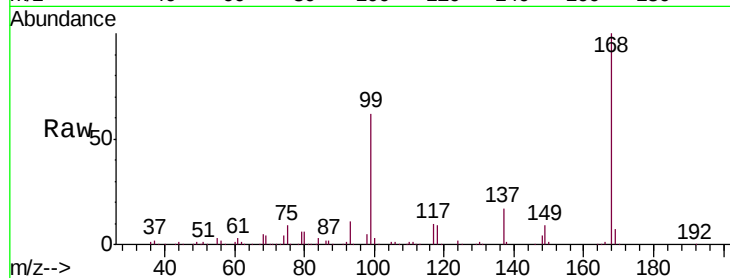
Tgt Ion: 56 Resp: 5939

Ion Ratio Lower Upper

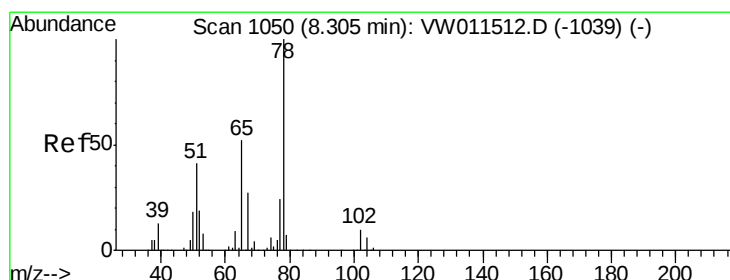
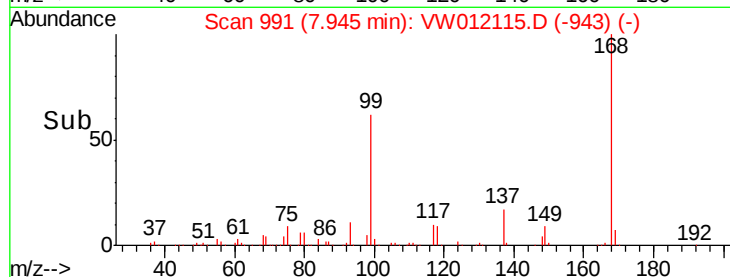
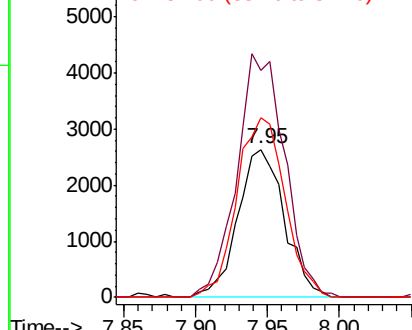
56 100

69 154.1 24.3 36.5#

84 121.9 60.4 90.6#



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: 55.291 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012115.D

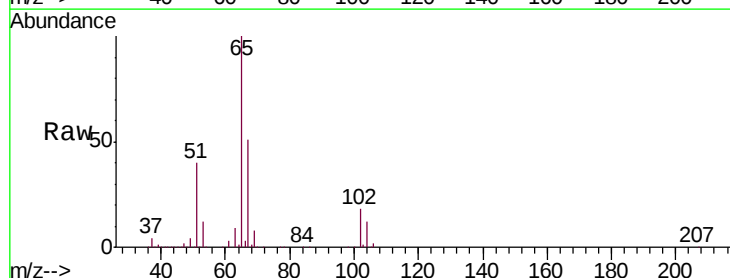
Acq: 22 Aug 2019 17:09

Tgt Ion: 65 Resp: 148039

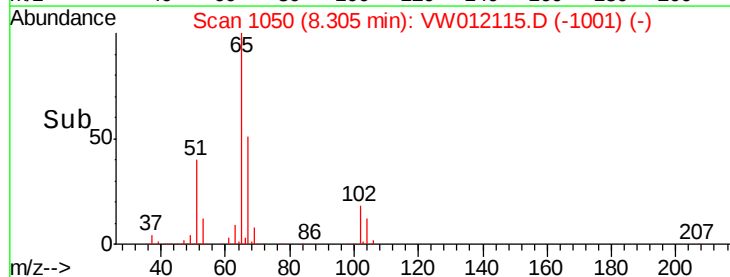
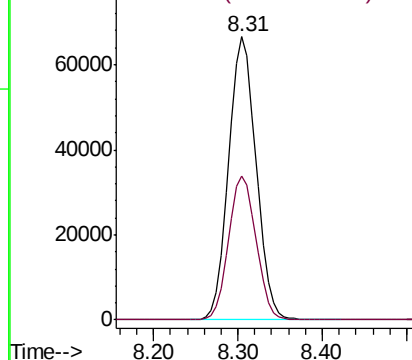
Ion Ratio Lower Upper

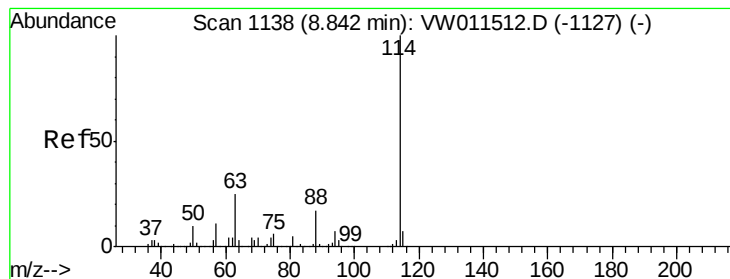
65 100

67 51.0 0.0 105.2



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: VW012115.D

Acq: 22 Aug 2019 17:09

Instrument :

MSVOA_W

ClientSampleId :

SB-06-7.5-8.0

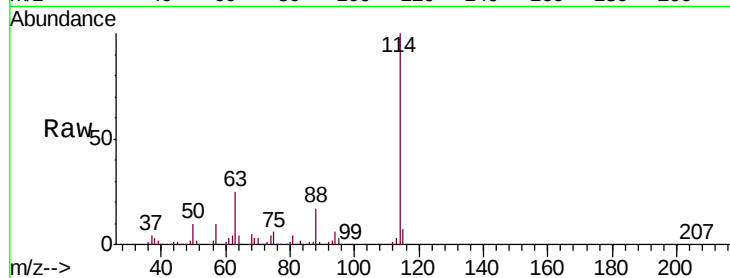
Tgt Ion:114 Resp: 389679

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

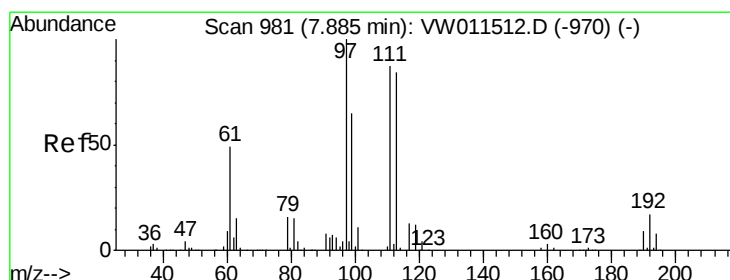
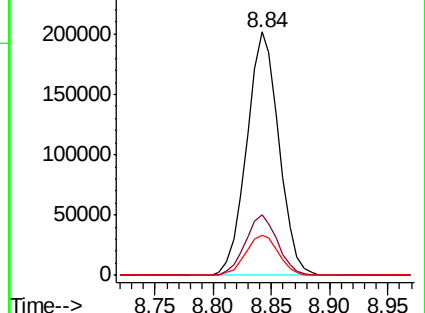
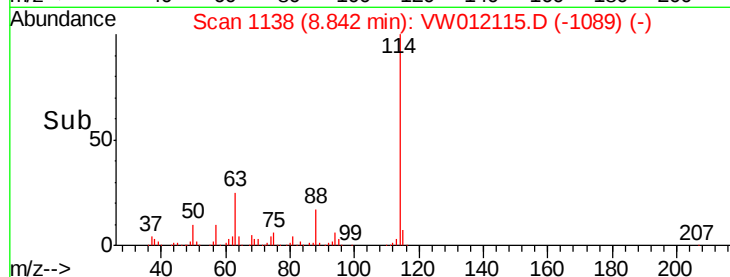
88 16.7 0.0 33.8



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: 53.890 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012115.D

Acq: 22 Aug 2019 17:09

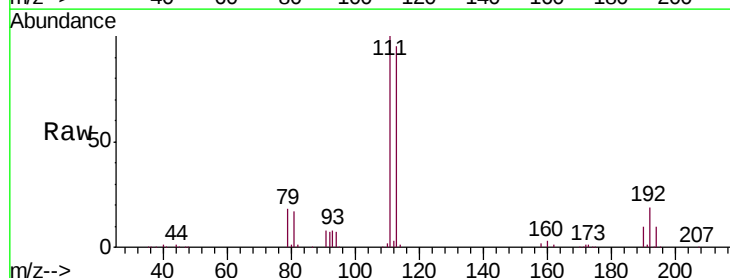
Tgt Ion:113 Resp: 117813

Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

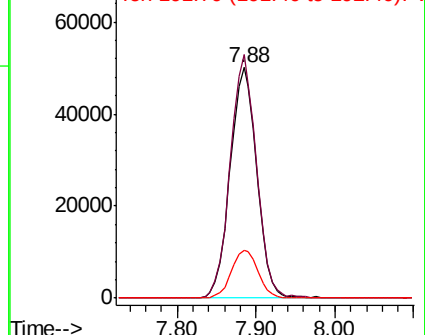
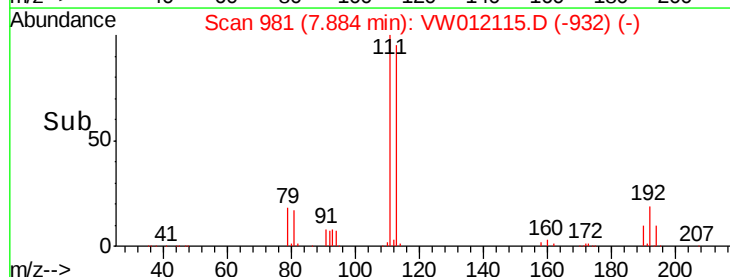
192 20.6 16.1 24.1

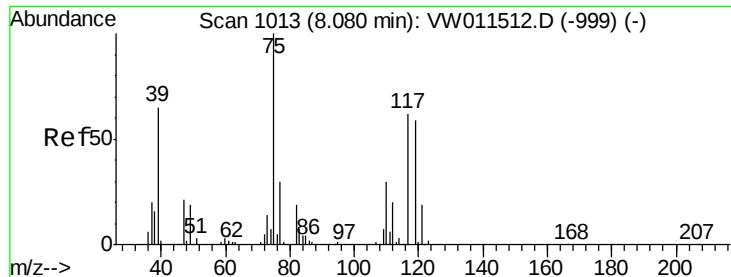


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

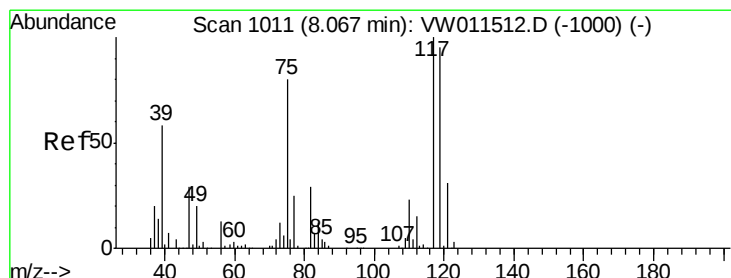
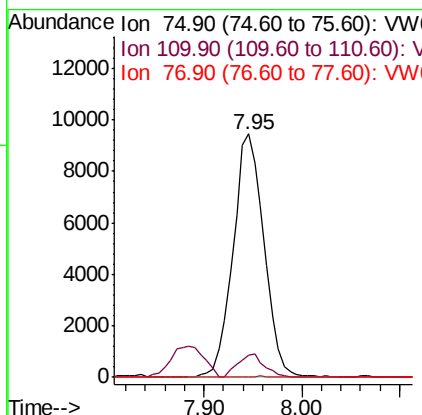
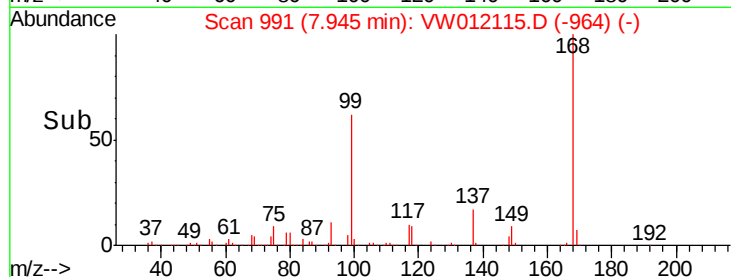
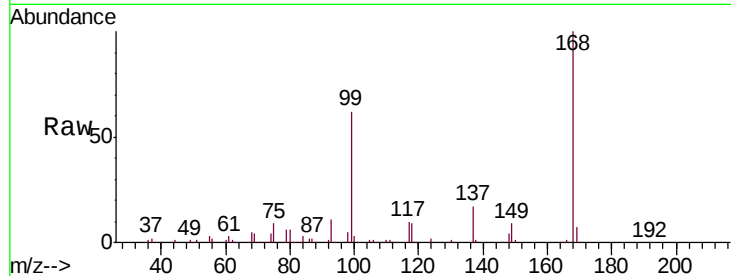




#36
 1,1-Dichloropropene
 Concen: 5.113 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012115.D
 Acq: 22 Aug 2019 17:09

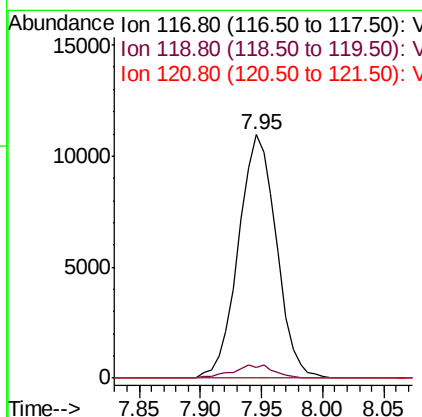
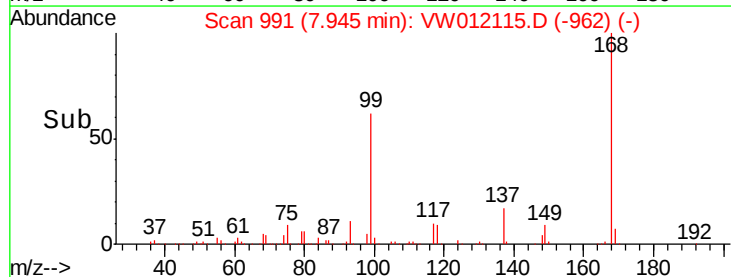
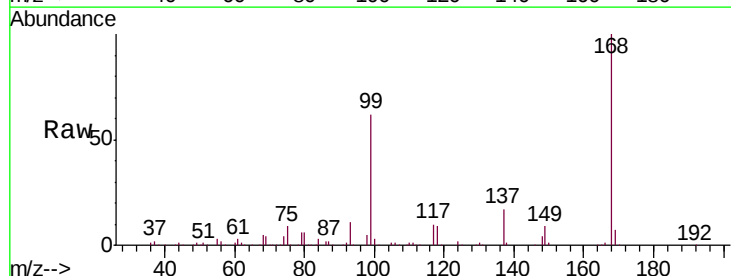
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-06-7.5-8.0

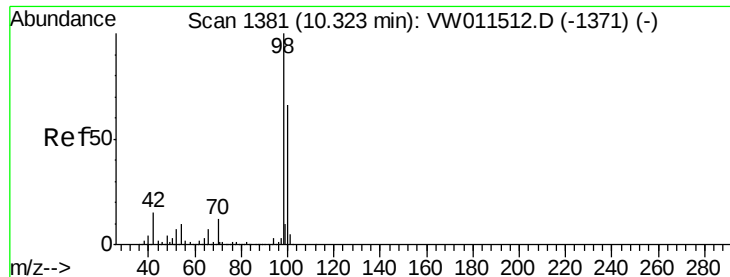
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.6	46.8#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.808 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012115.D
 Acq: 22 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 53.666 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012115.D

Acq: 22 Aug 2019 17:09

Instrument :

MSVOA_W

ClientSampled :

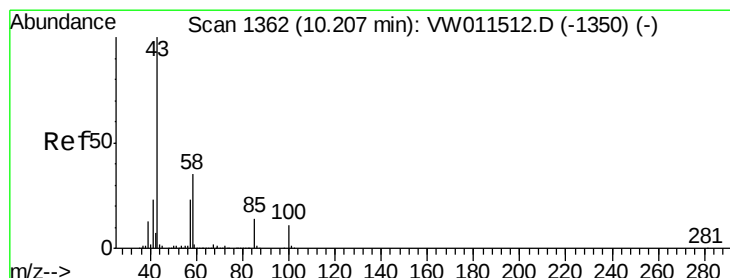
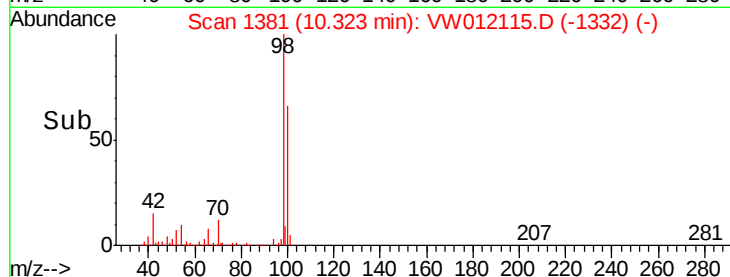
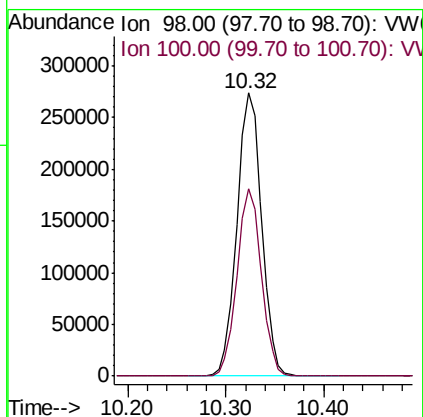
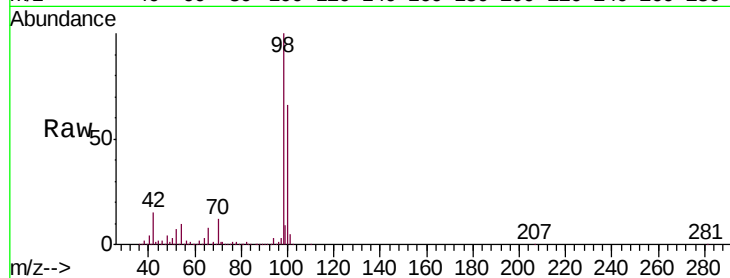
SB-06-7.5-8.0

Tgt Ion: 98 Resp: 480356

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 1.311 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW012115.D

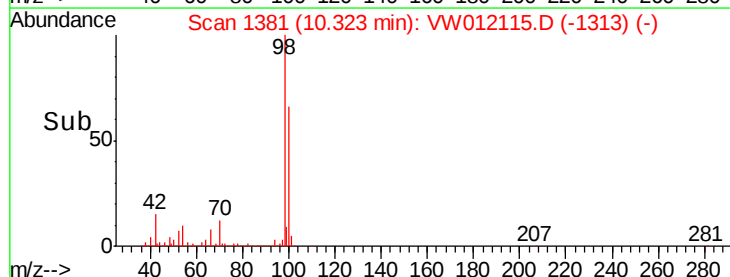
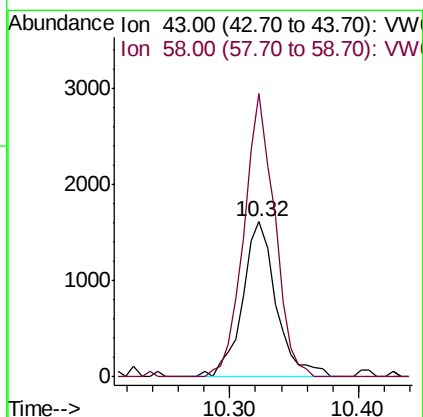
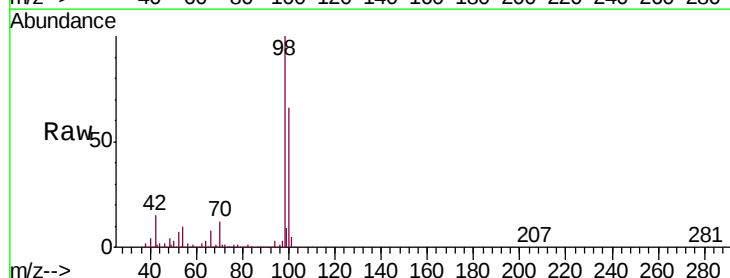
Acq: 22 Aug 2019 17:09

Tgt Ion: 43 Resp: 2924

Ion Ratio Lower Upper

43 100

58 165.8 28.2 42.2#





#62

4-Bromofluorobenzene

Concen: 49.094 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012115.D

Acq: 22 Aug 2019 17:09

Instrument :

MSVOA_W

ClientSampleId :

SB-06-7.5-8.0

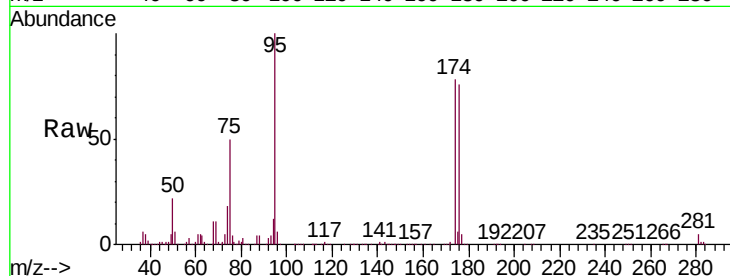
Tgt Ion: 95 Resp: 156667

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.2

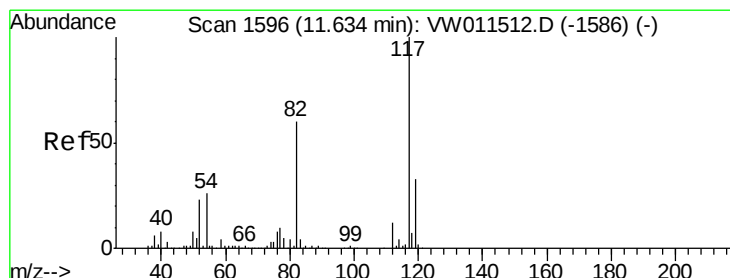
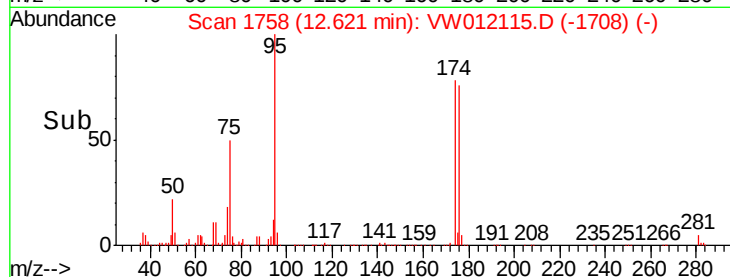
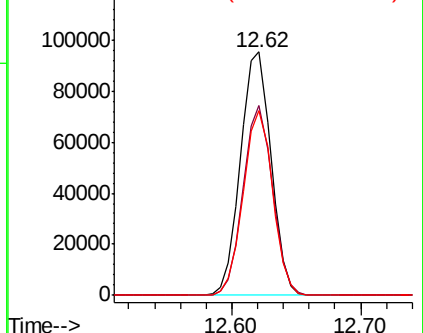
176 72.9 0.0 144.4



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# 1596

Delta R.T. -0.00 min

Lab File: VW012115.D

Acq: 22 Aug 2019 17:09

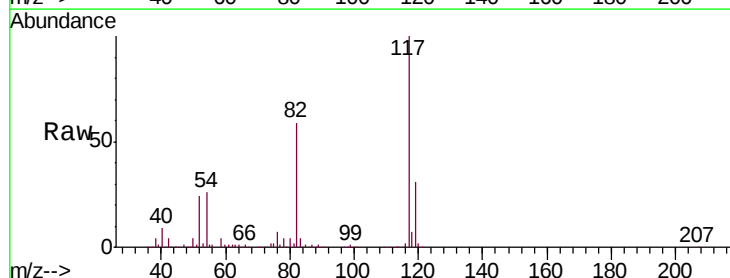
Tgt Ion: 117 Resp: 327776

Ion Ratio Lower Upper

117 100

82 58.9 47.9 71.9

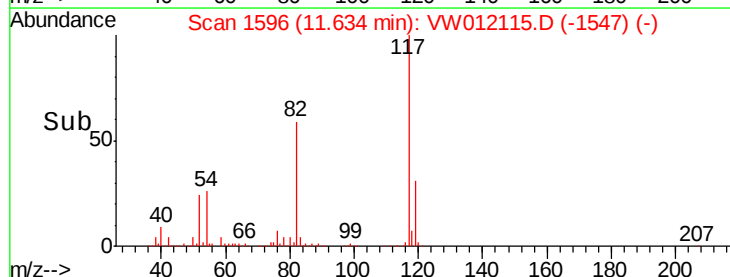
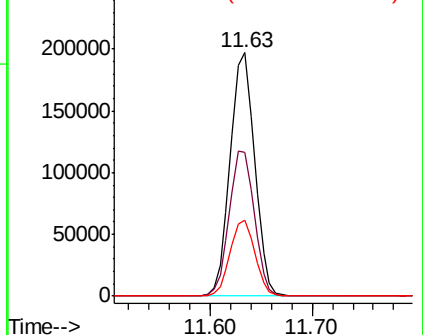
119 31.4 26.2 39.2

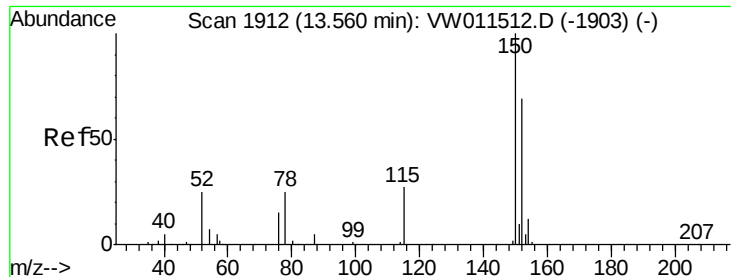


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012115.D

Acq: 22 Aug 2019 17:09

Instrument :

MSVOA_W

ClientSampleId :

SB-06-7.5-8.0

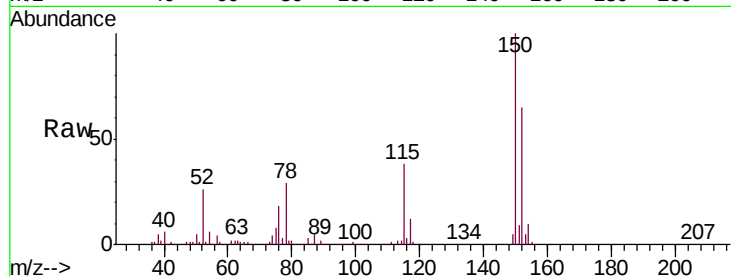
Tgt Ion:152 Resp: 138732

Ion Ratio Lower Upper

152 100

115 60.4 30.5 91.5

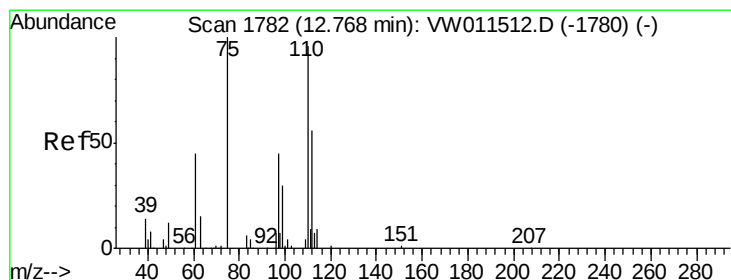
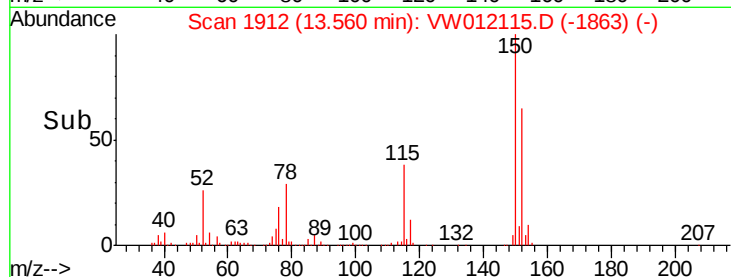
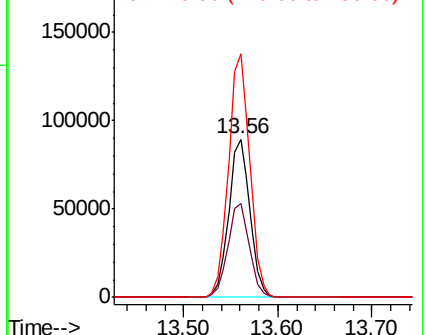
150 155.4 0.0 352.6



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: 56.238 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012115.D

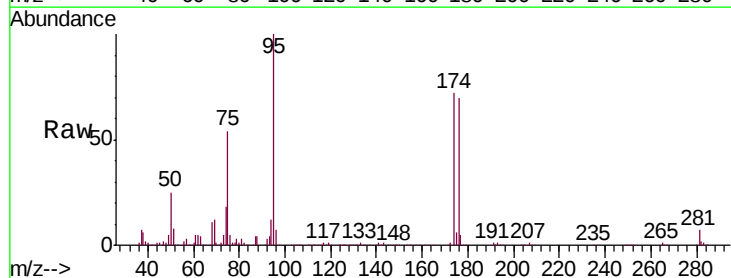
Acq: 22 Aug 2019 17:09

Tgt Ion: 75 Resp: 82554

Ion Ratio Lower Upper

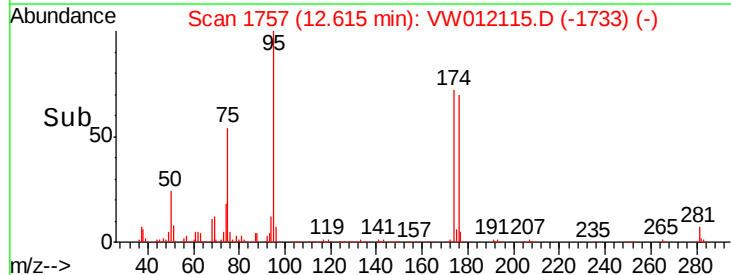
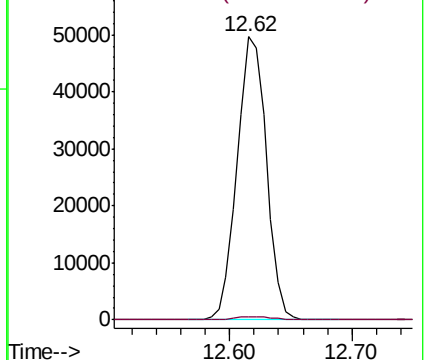
75 100

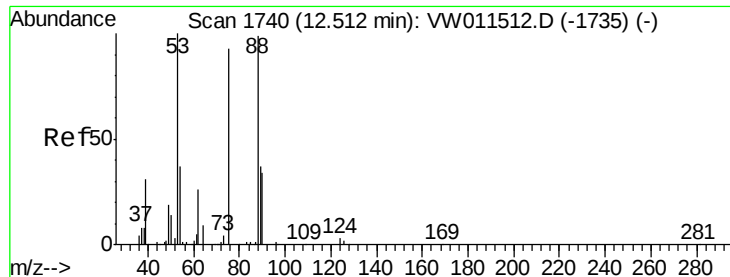
77 1.3 0.0 0.0#



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: 129.609 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012115.D

Acq: 22 Aug 2019 17:09

Instrument :

MSVOA_W

ClientSampleId :

SB-06-7.5-8.0

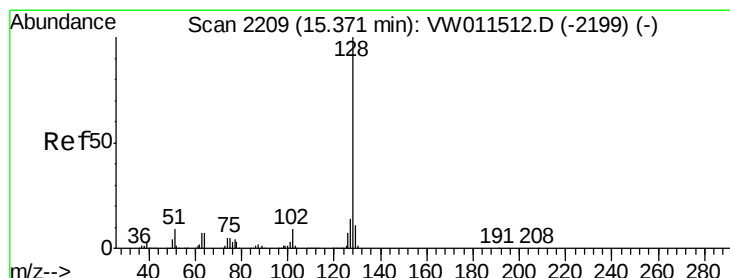
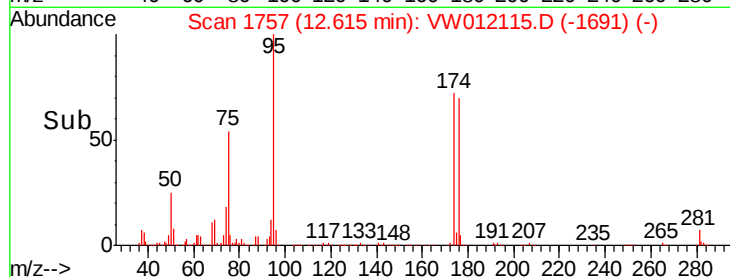
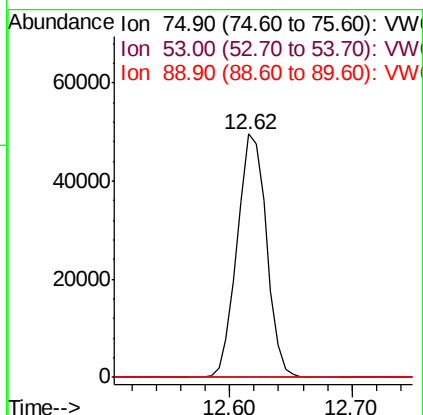
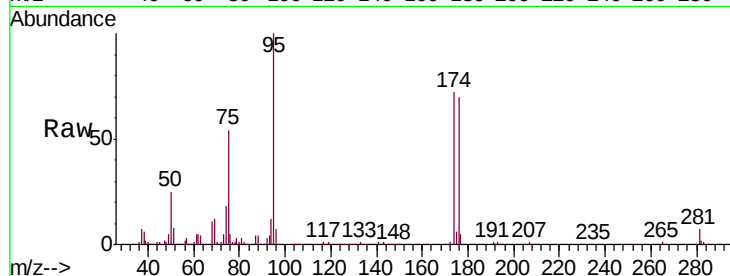
Tgt Ion: 75 Resp: 82554

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.085 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012115.D

Acq: 22 Aug 2019 17:09

Tgt Ion: 128 Resp: 111

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

