

Data File : VW012117.D
Acq On : 22 Aug 2019 18:00
Operator : SY/VA
Sample : K4461-15
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-08-5.5-6.0

Quant Time: Aug 23 08:01:52 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	232293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	388070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	149229	55.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.90%	
35) Dibromofluoromethane	7.88	113	119570	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
50) Toluene-d8	10.32	98	483376	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
62) 4-Bromofluorobenzene	12.62	95	155985	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	

Target Compounds

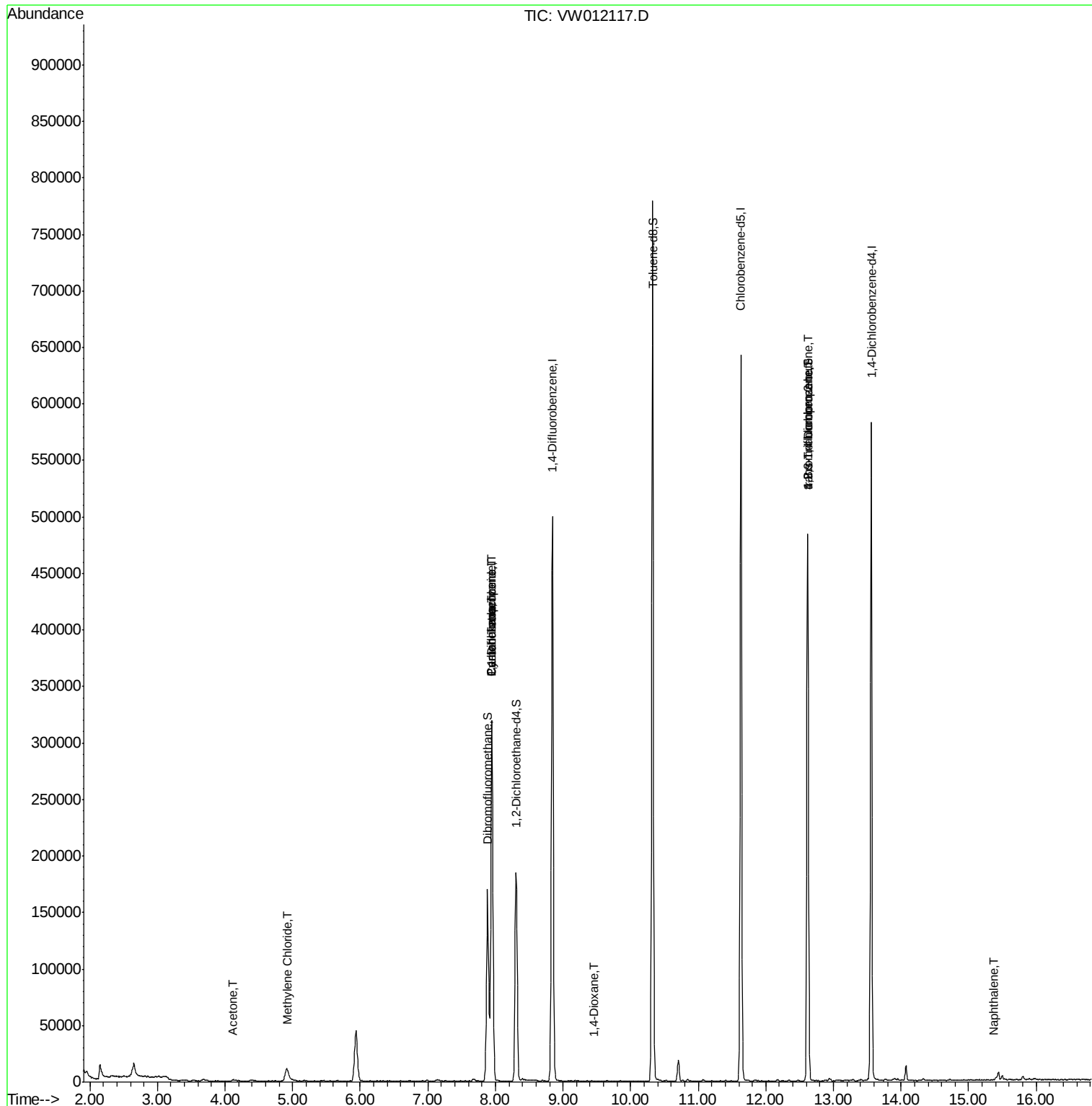
						Qvalue
11) Tert butyl alcohol	5.17	59	318	Below Cal	#	72
16) Acetone	4.12	43	1298	1.530	ug/l	97
20) Methylene Chloride	4.92	84	8086	2.763	ug/l	99
31) Cyclohexane	7.95	56	5931	1.189	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20321	5.036	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24165	6.995	ug/l #	16
49) 1,4-Dioxane	9.46	88	49	2.452	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	85433	58.674	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85433	135.224	ug/l #	6
95) Naphthalene	15.36	128	20	2.069	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# 992

Delta R.T. 0.01 min

Lab File: VW012117.D

Acq: 22 Aug 2019 18:00

Instrument :

MSVOA_W

ClientSampleId :

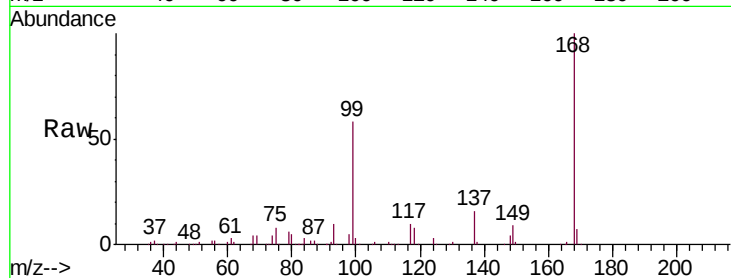
SB-08-5.5-6.0

Tgt Ion: 168 Resp: 232293

Ion Ratio Lower Upper

168 100

99 58.0 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

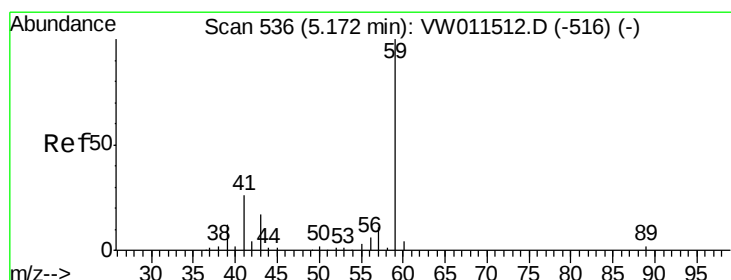
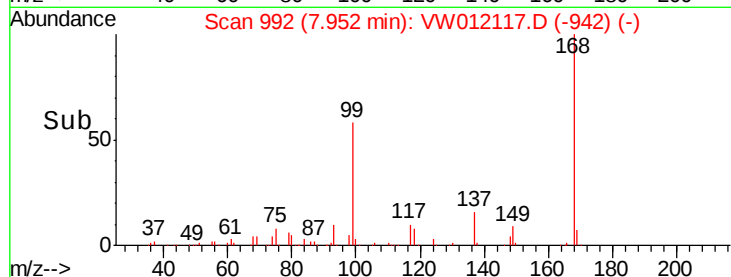
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW012117.D

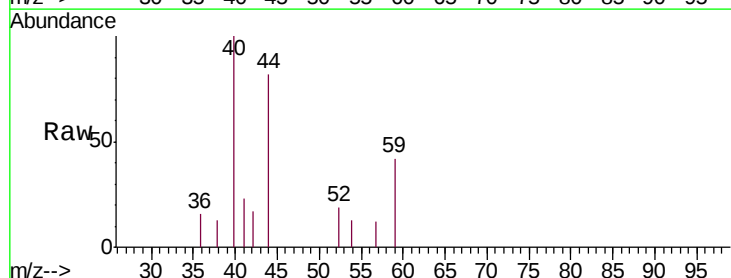
Acq: 22 Aug 2019 18:00

Tgt Ion: 59 Resp: 318

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

200

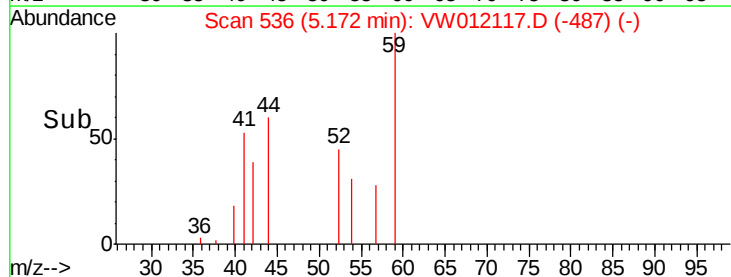
150

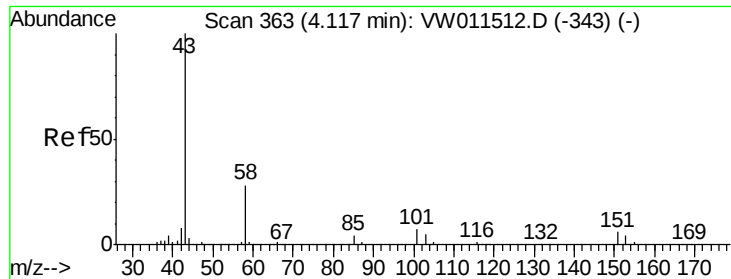
100

50

0

Time-->





#16

Acetone

Concen: 1.530 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012117.D

Acq: 22 Aug 2019 18:00

Instrument :

MSVOA_W

ClientSampleId :

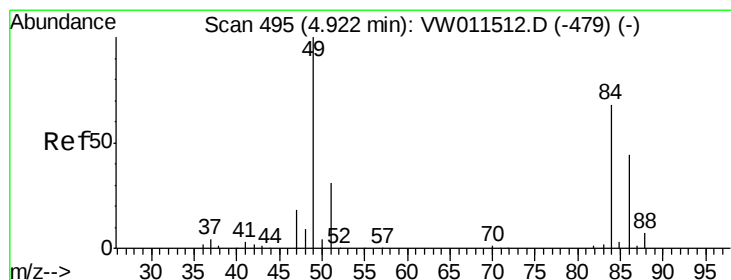
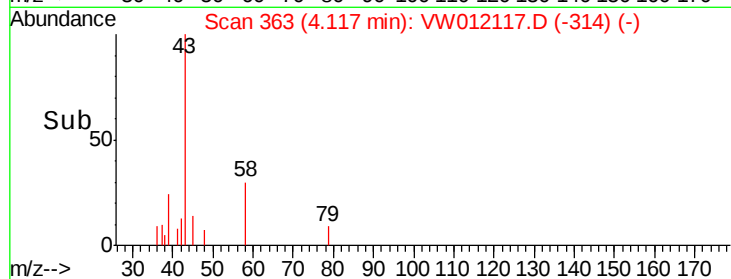
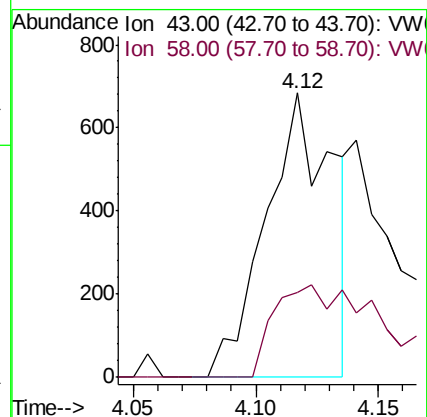
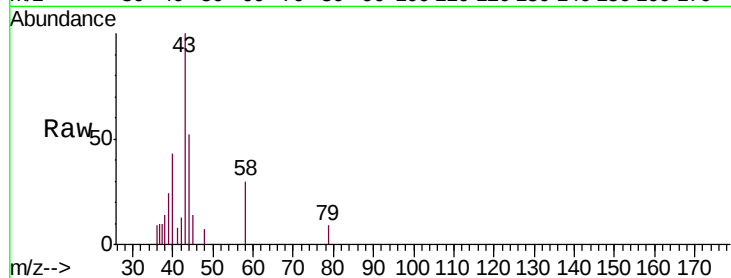
SB-08-5.5-6.0

Tgt Ion: 43 Resp: 1298

Ion Ratio Lower Upper

43 100

58 29.7 22.3 33.5



#20

Methylene Chloride

Concen: 2.763 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW012117.D

Acq: 22 Aug 2019 18:00

Tgt Ion: 84 Resp: 8086

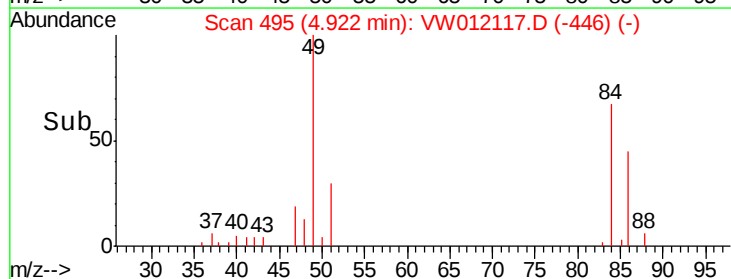
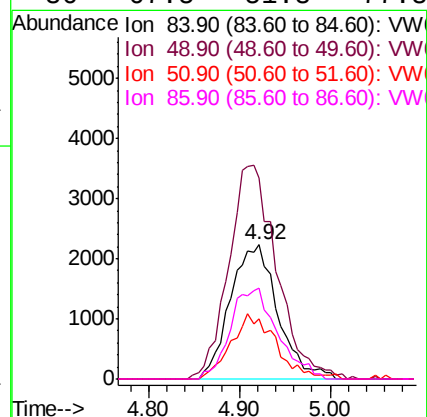
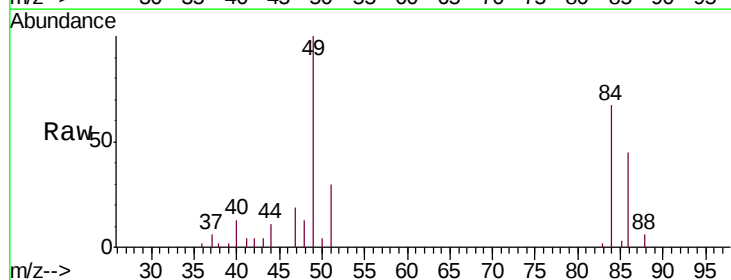
Ion Ratio Lower Upper

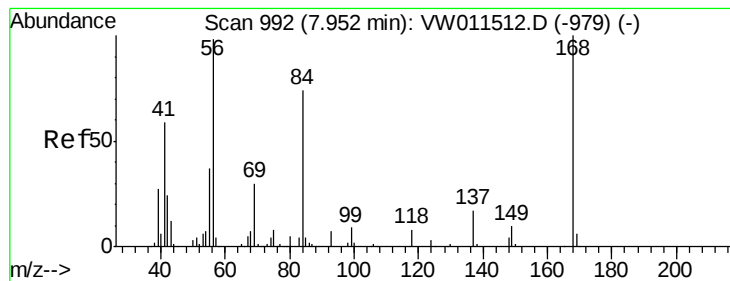
84 100

49 146.9 117.8 176.6

51 44.4 37.0 55.4

86 67.5 51.8 77.8





#31

Cyclohexane

Concen: 1.189 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012117.D

Acq: 22 Aug 2019 18:00

Instrument :

MSVOA_W

ClientSampled :

SB-08-5.5-6.0

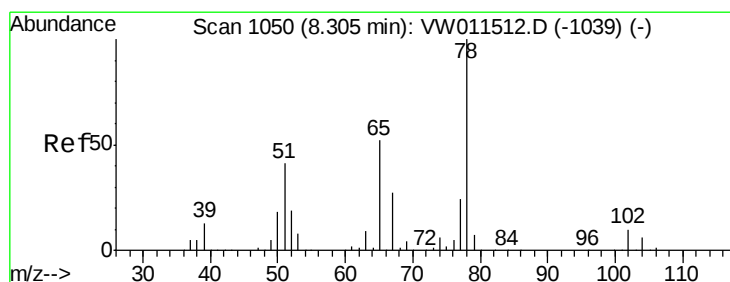
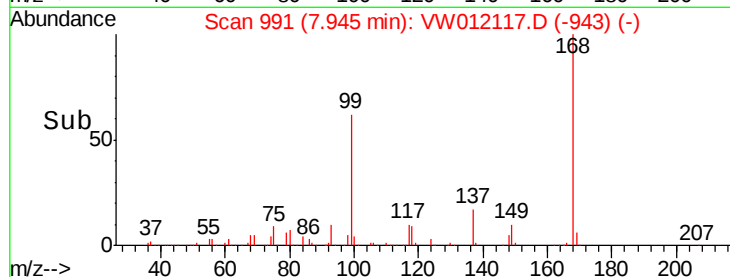
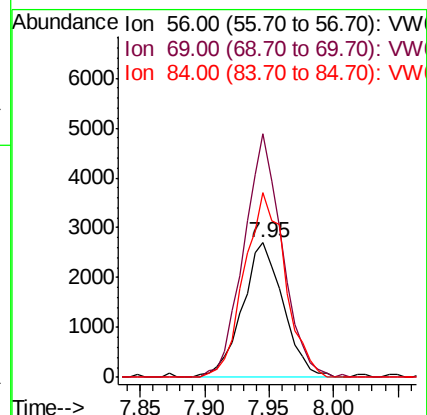
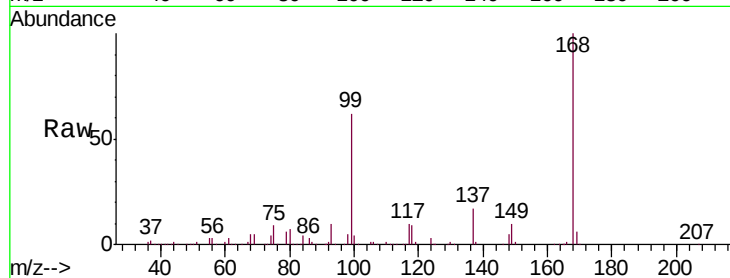
Tgt Ion: 56 Resp: 5931

Ion Ratio Lower Upper

56 100

69 180.8 24.3 36.5#

84 137.2 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 55.946 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012117.D

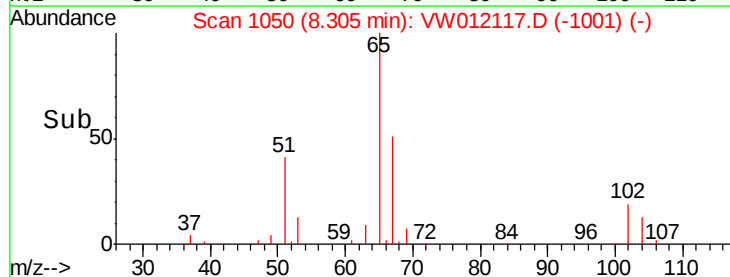
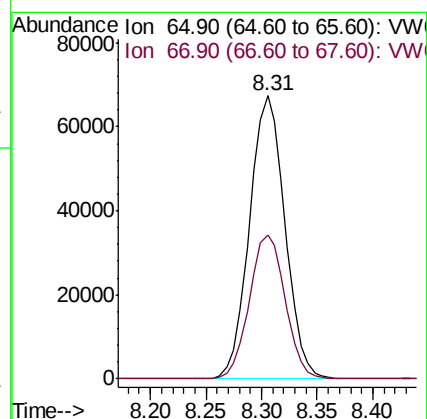
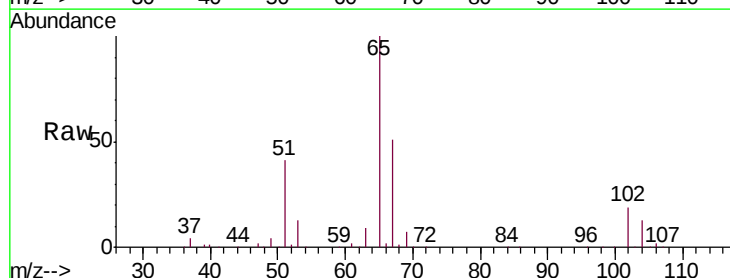
Acq: 22 Aug 2019 18:00

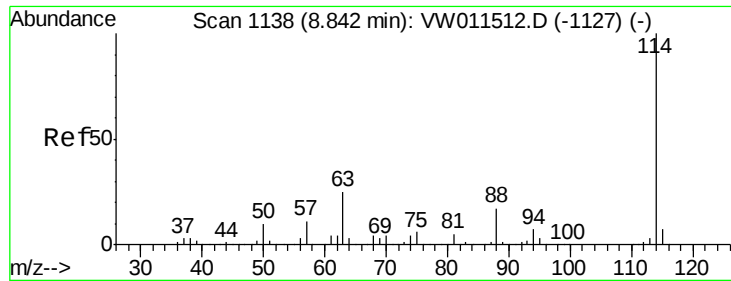
Tgt Ion: 65 Resp: 149229

Ion Ratio Lower Upper

65 100

67 51.7 0.0 105.2

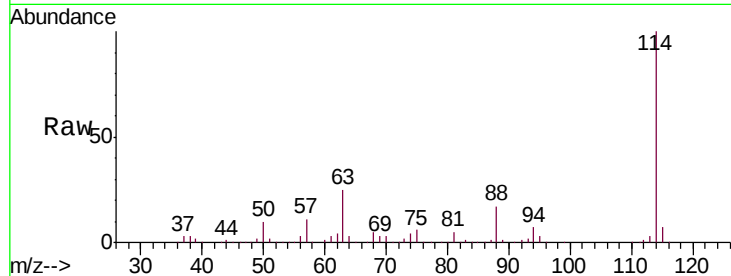




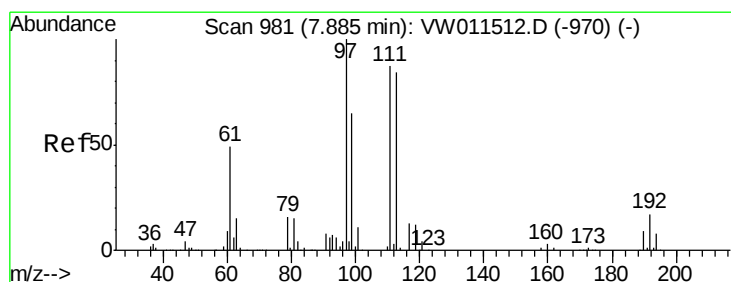
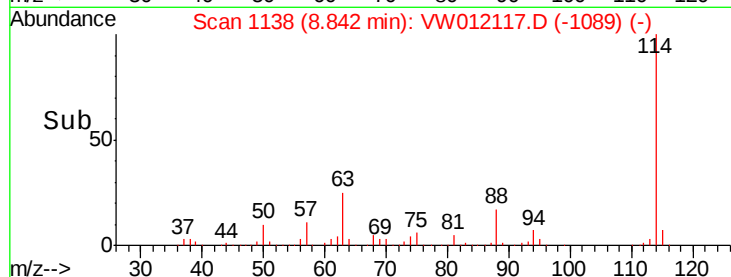
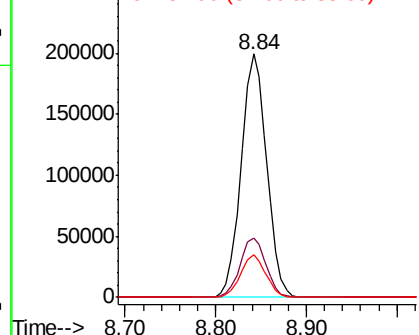
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW012117.D
Acq: 22 Aug 2019 18:00

Instrument :
MSVOA_W
ClientSampleId :
SB-08-5.5-6.0

Tgt Ion:114 Resp: 388070
Ion Ratio Lower Upper
114 100
63 24.6 0.0 49.2
88 17.3 0.0 33.8

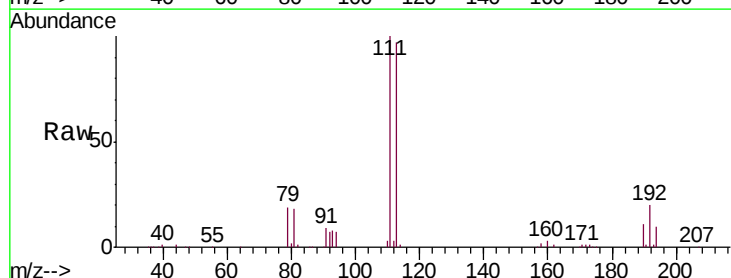


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

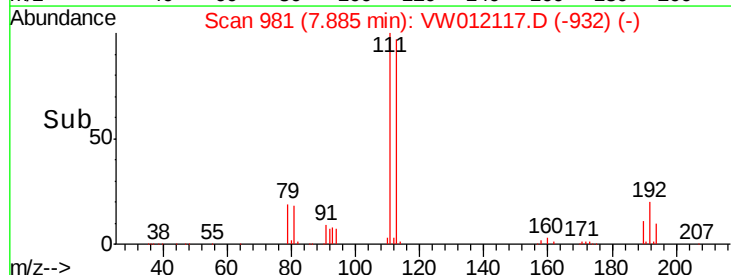
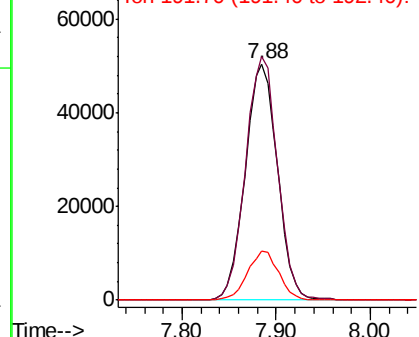


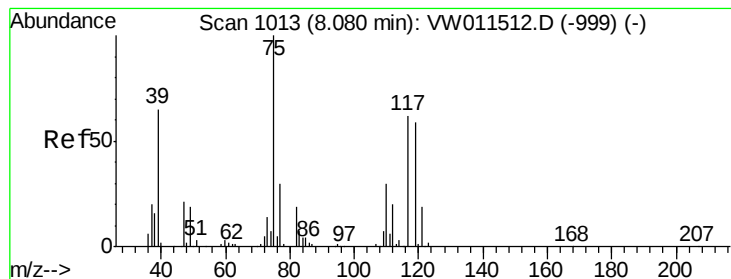
#35
Dibromofluoromethane
Concen: 54.921 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW012117.D
Acq: 22 Aug 2019 18:00

Tgt Ion:113 Resp: 119570
Ion Ratio Lower Upper
113 100
111 103.1 82.7 124.1
192 20.1 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: 5.036 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012117.D

Acq: 22 Aug 2019 18:00

Instrument :

MSVOA_W

ClientSampleId :

SB-08-5.5-6.0

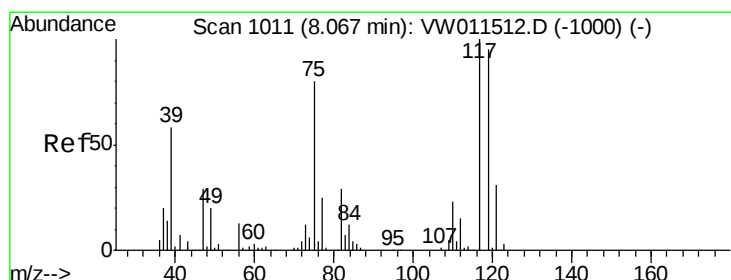
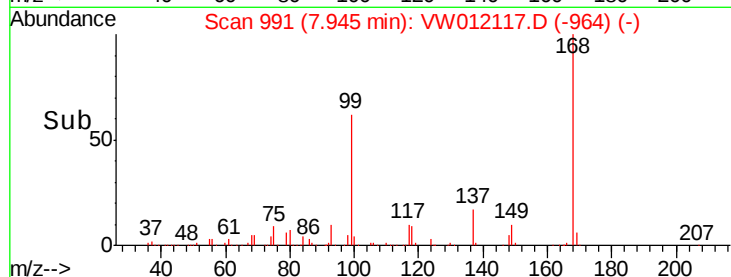
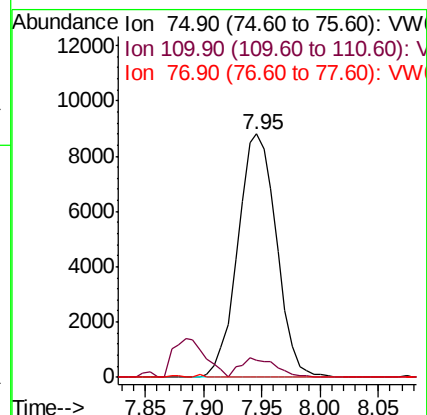
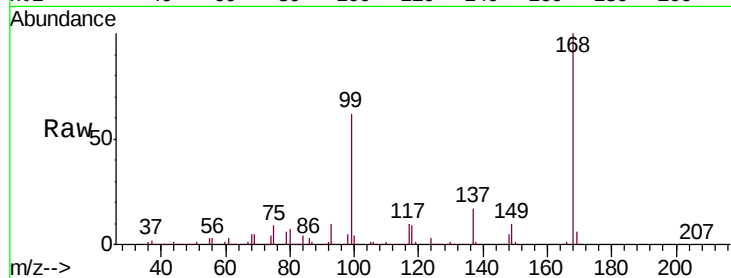
Tgt Ion: 75 Resp: 20321

Ion Ratio Lower Upper

75 100

110 7.4 15.6 46.8#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 6.995 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW012117.D

Acq: 22 Aug 2019 18:00

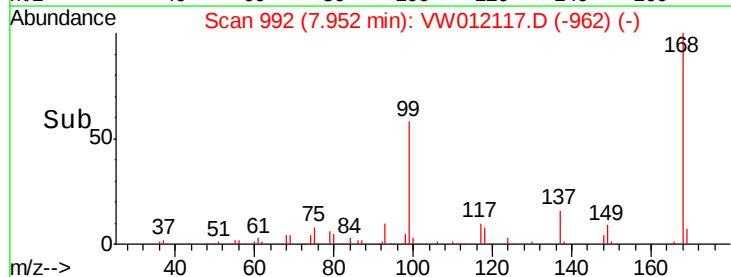
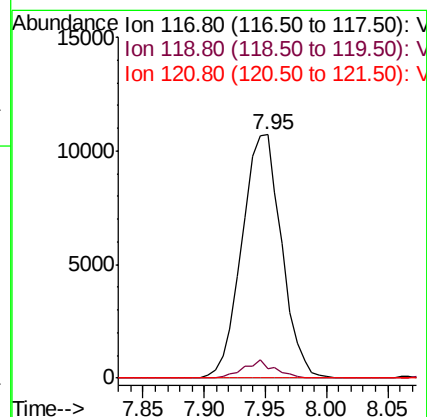
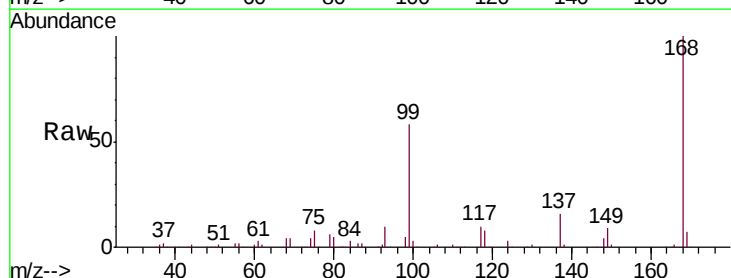
Tgt Ion: 117 Resp: 24165

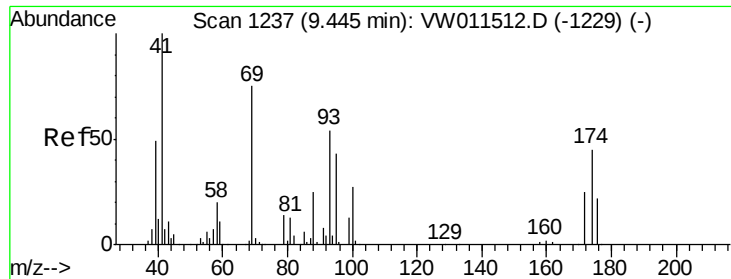
Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.6#

121 0.0 24.7 37.1#

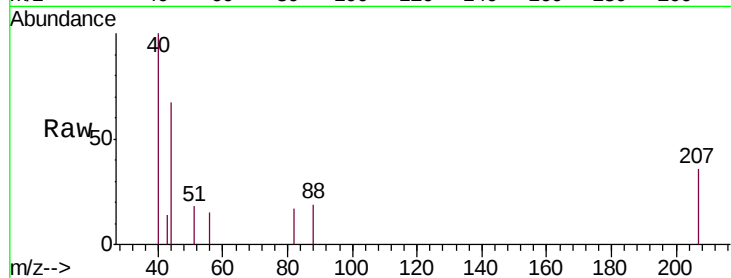




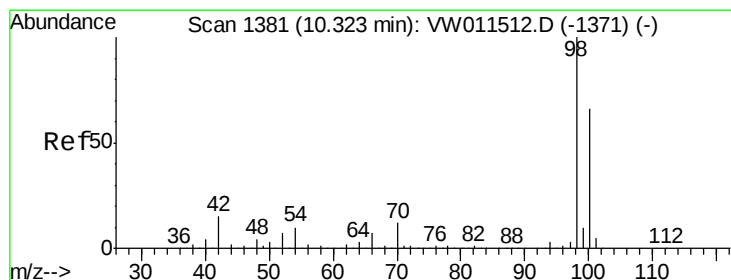
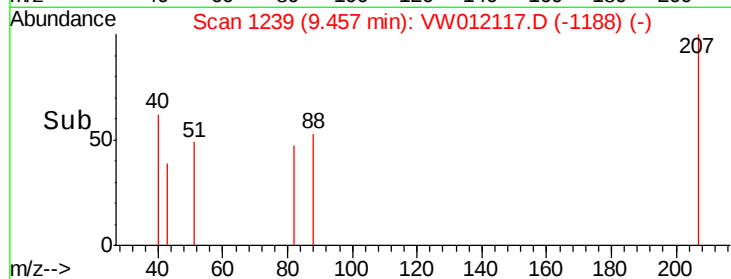
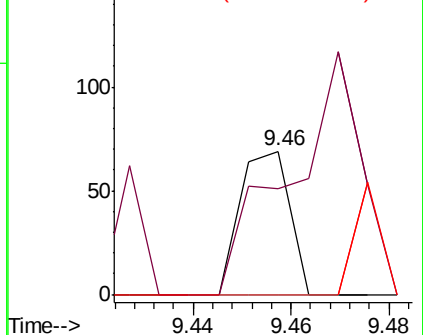
#49
 1,4-Dioxane
 Concen: 2.452 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW012117.D
 Acq: 22 Aug 2019 18:00

Instrument :
 MSVOA_W
 ClientSampled :
 SB-08-5.5-6.0

Tgt Ion: 88 Resp: 49
 Ion Ratio Lower Upper
 88 100
 43 244.9 34.0 51.0#
 58 40.8 69.7 104.5#

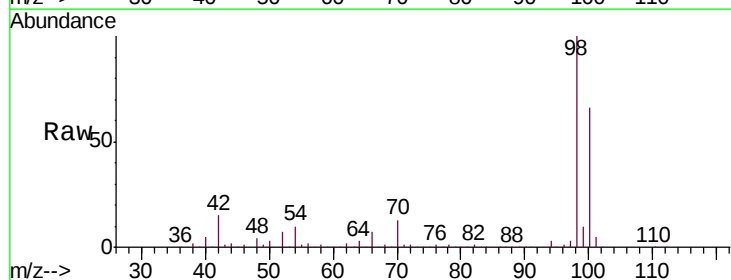


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

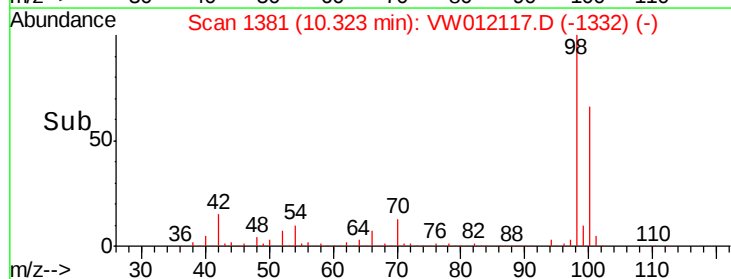
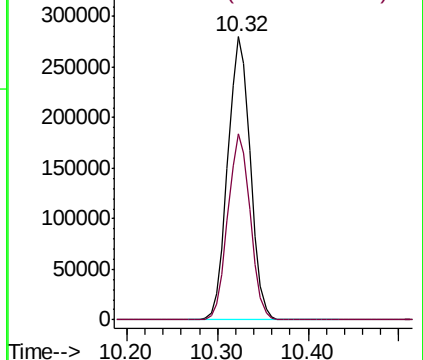


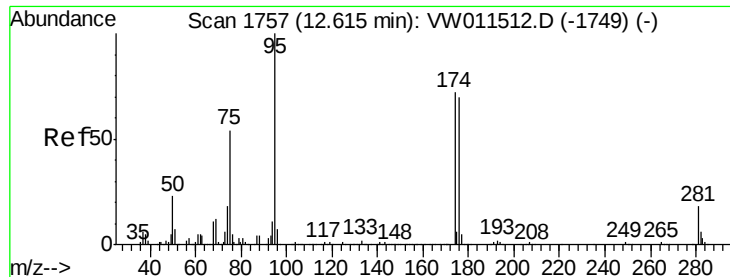
#50
 Toluene-d8
 Concen: 54.227 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW012117.D
 Acq: 22 Aug 2019 18:00

Tgt Ion: 98 Resp: 483376
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 49.083 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012117.D

Acq: 22 Aug 2019 18:00

Instrument :

MSVOA_W

ClientSampleId :

SB-08-5.5-6.0

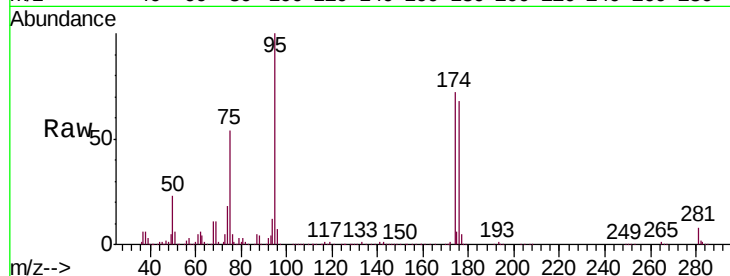
Tgt Ion: 95 Resp: 155985

Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.2

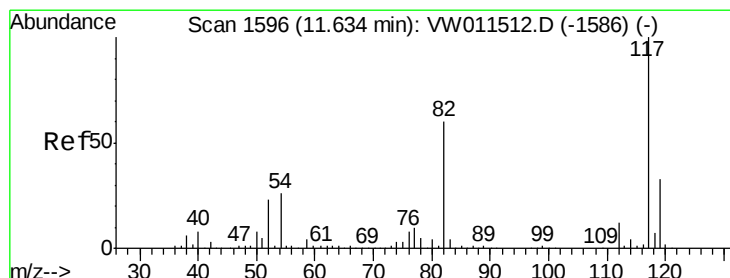
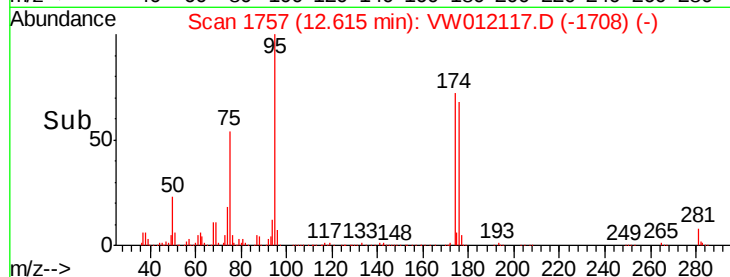
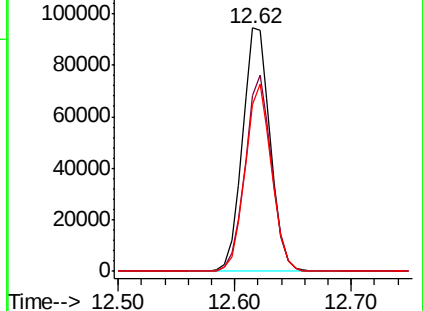
176 73.6 0.0 144.4



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: VW012117.D

Acq: 22 Aug 2019 18:00

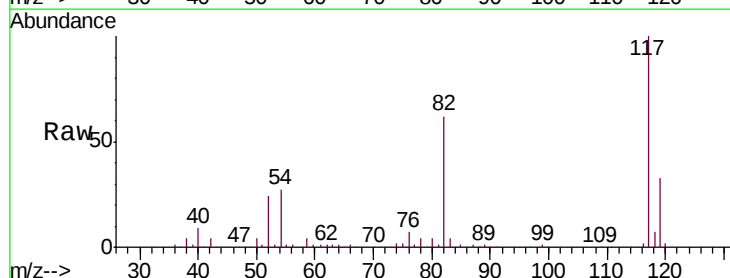
Tgt Ion: 117 Resp: 331775

Ion Ratio Lower Upper

117 100

82 61.5 47.9 71.9

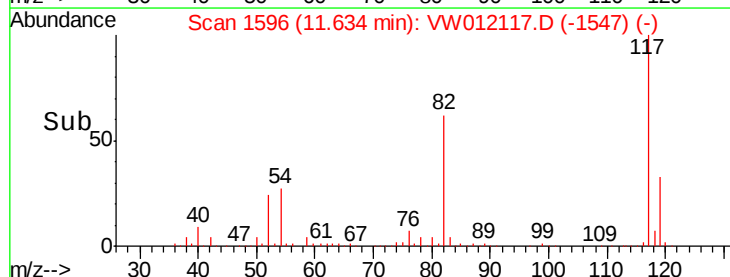
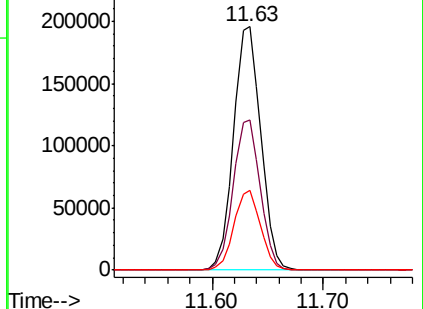
119 32.8 26.2 39.2

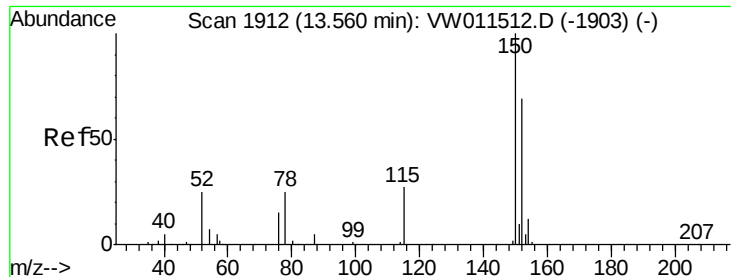


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012117.D

Acq: 22 Aug 2019 18:00

Instrument :

MSVOA_W

ClientSampleId :

SB-08-5.5-6.0

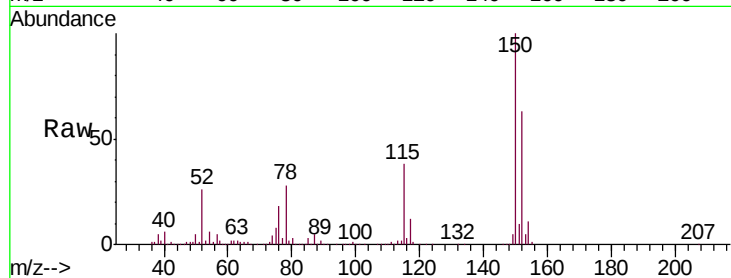
Tgt Ion:152 Resp: 137608

Ion Ratio Lower Upper

152 100

115 60.7 30.5 91.5

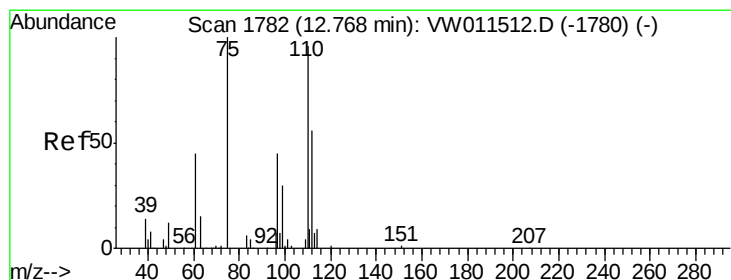
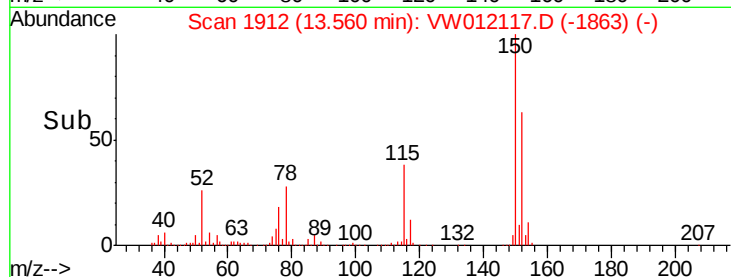
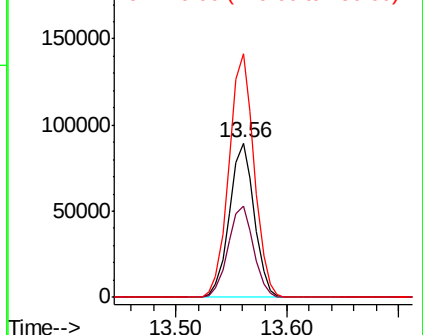
150 160.5 0.0 352.6



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: 58.674 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012117.D

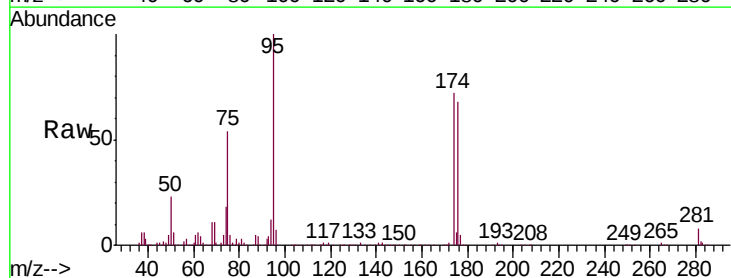
Acq: 22 Aug 2019 18:00

Tgt Ion: 75 Resp: 85433

Ion Ratio Lower Upper

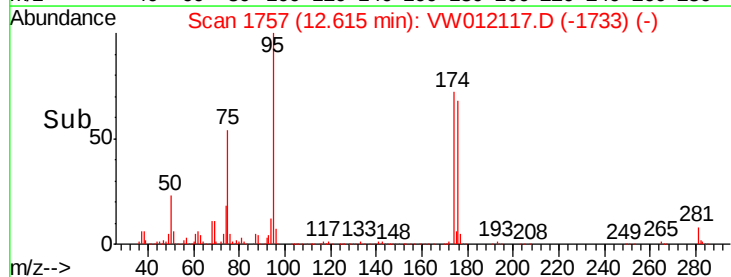
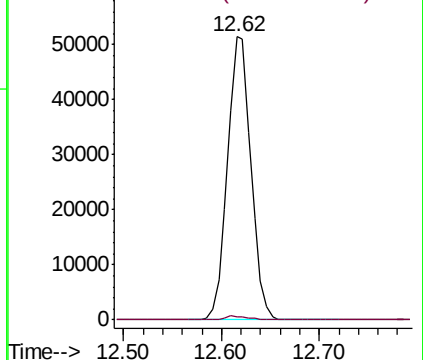
75 100

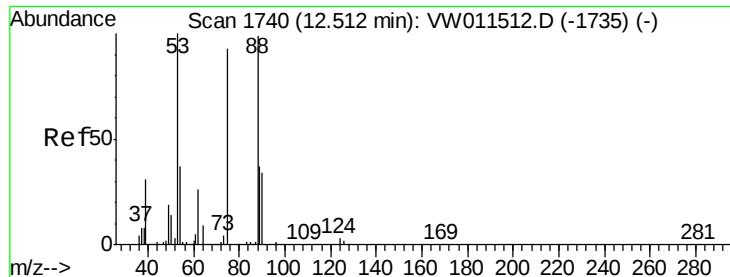
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

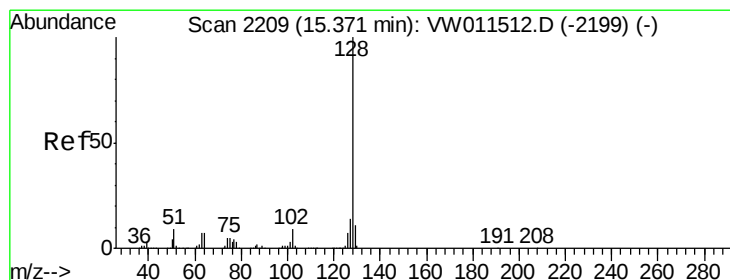
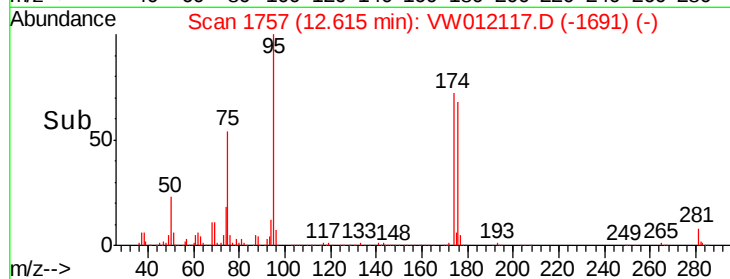
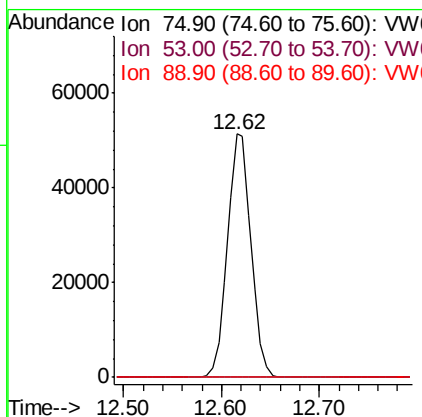
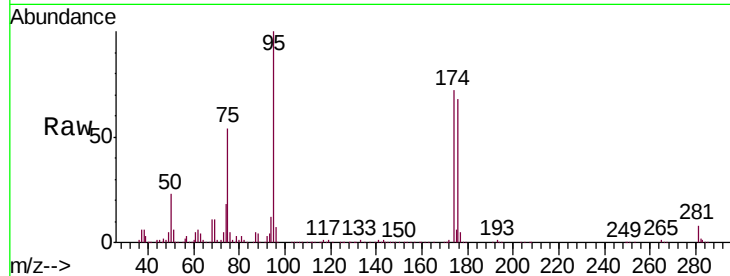




#81
trans-1,4-Dichloro-2-butene
Concen: 135.224 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012117.D
Acq: 22 Aug 2019 18:00

Instrument :
MSVOA_W
ClientSampleId :
SB-08-5.5-6.0

Tgt Ion: 75 Resp: 85433
Ion Ratio Lower Upper
75 100
53 0.1 88.0 132.0#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 2.069 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012117.D
Acq: 22 Aug 2019 18:00

Tgt Ion: 128 Resp: 20
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

