

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011044.D
 Acq On : 28 Jun 2019 04:36
 Operator : SY/VA
 Sample : K3159-09
 Misc : 5.93G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 28 08:35:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	208018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127040	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	142302	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	7.88	113	109175	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	10.32	98	454488	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.62	95	156300	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	

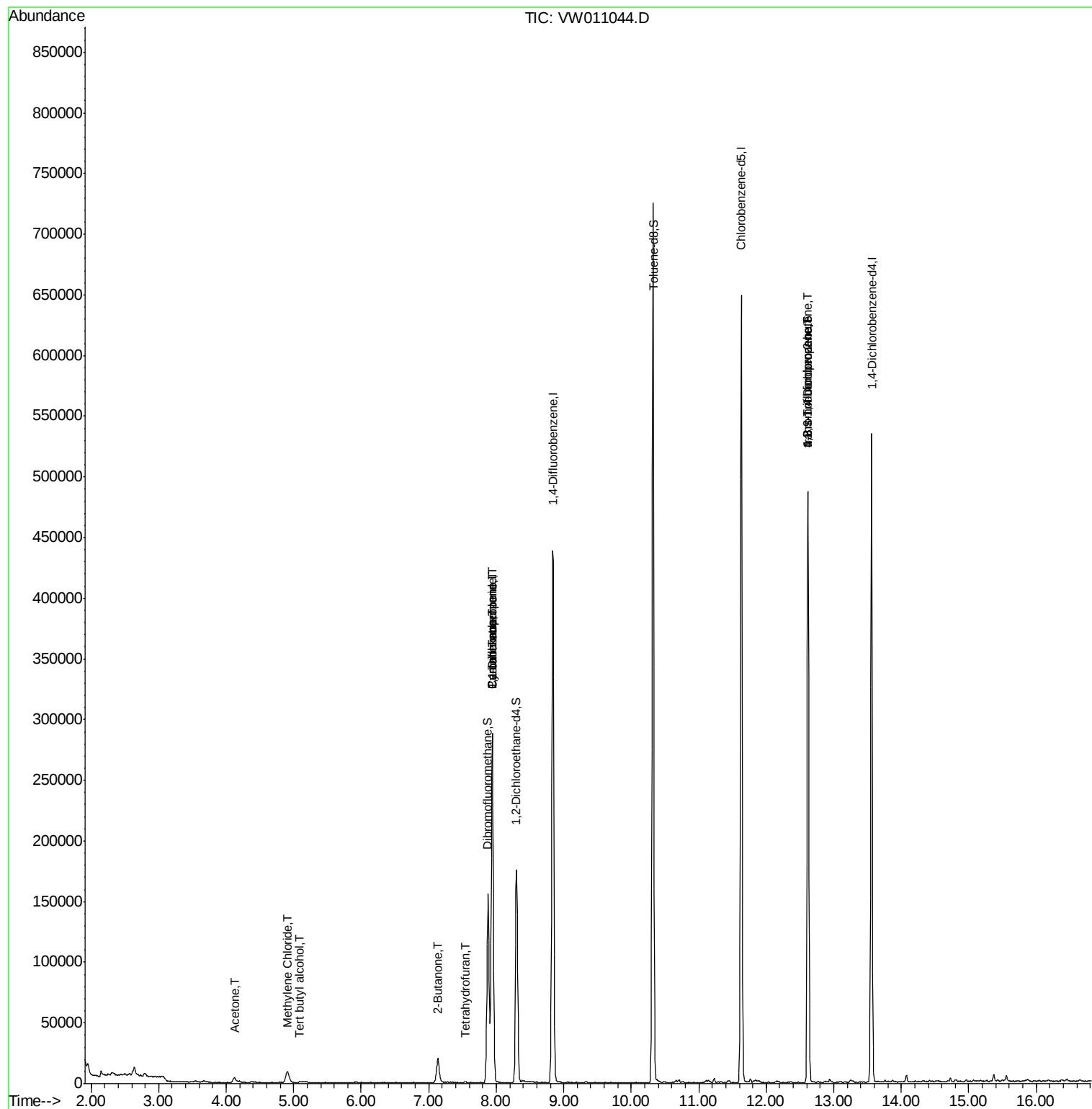
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.09	59	443	2.243	ug/l #	71
16) Acetone	4.12	43	8427	12.696	ug/l	98
20) Methylene Chloride	4.92	84	6910	2.562	ug/l #	81
25) 2-Butanone	7.13	43	1132	1.122	ug/l #	89
29) Tetrahydrofuran	7.54	42	668	1.064	ug/l #	55
31) Cyclohexane	7.95	56	5700	1.096	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19280	5.158	ug/l #	50
38) Carbon Tetrachloride	7.95	117	21315	6.924	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	84923	63.318	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84923	127.773	ug/l #	3

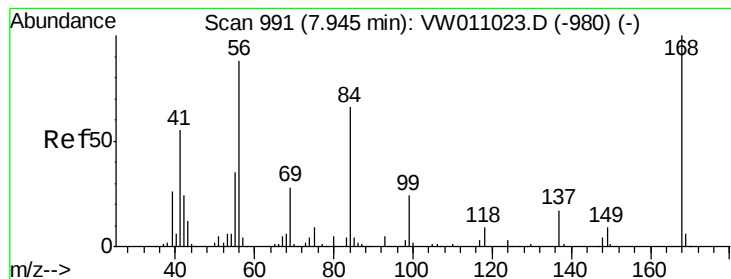
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

Instrument :

MSVOA_W

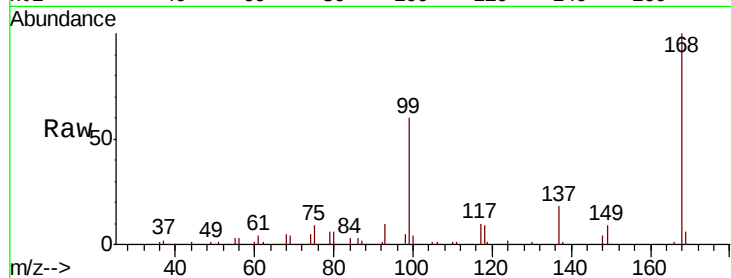
ClientSampled :

Tot Ion:168 Resp: 208018

Ion Ratio Lower Upper

168 100

99 60.1 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

100000

80000

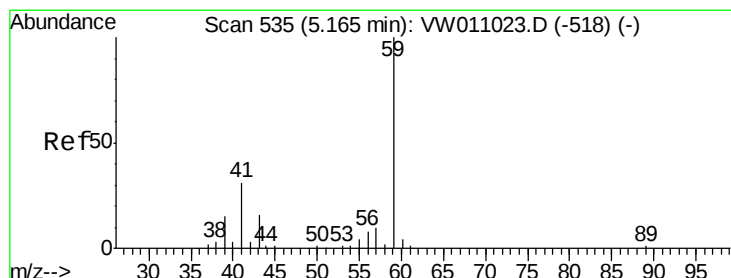
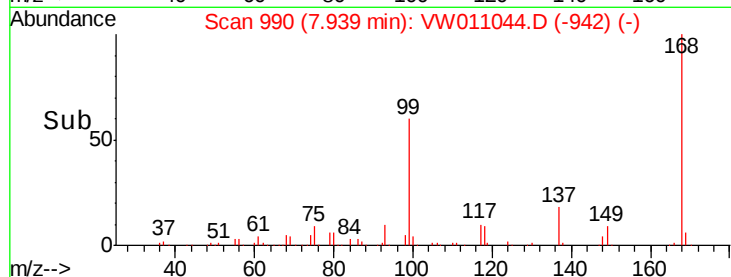
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.243 ug/l

RT: 5.09 min Scan# 523

Delta R.T. -0.07 min

Lab File: VW011044.D

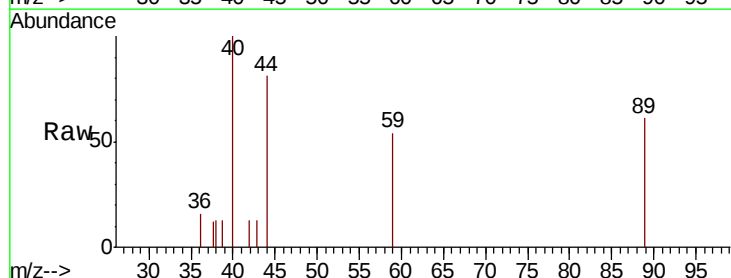
Acq: 28 Jun 2019 04:36

Tgt Ion: 59 Resp: 443

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.09

250

200

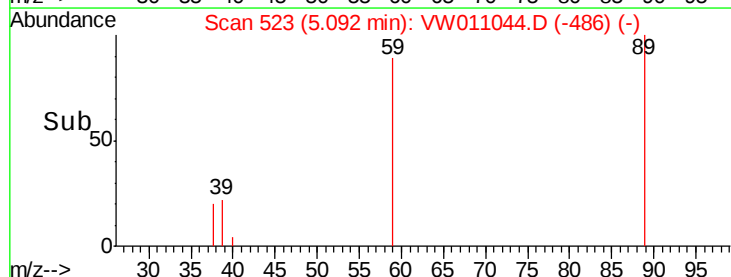
150

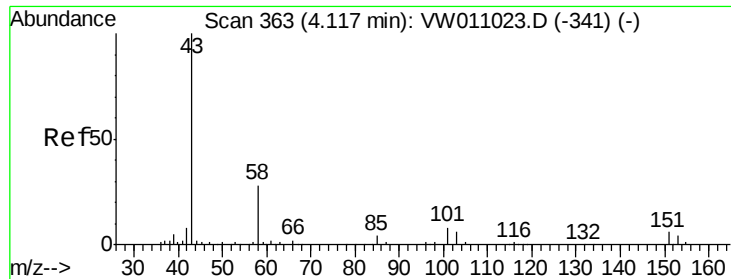
100

50

0

Time-->





#16

Acetone

Concen: 12.696 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

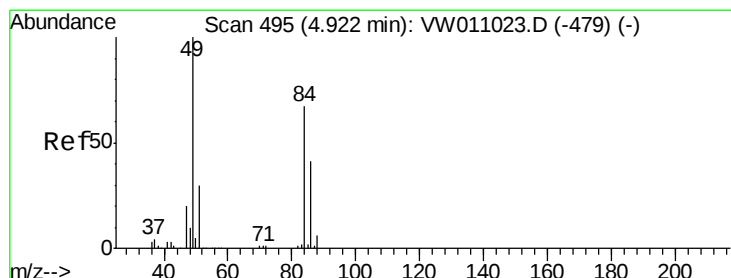
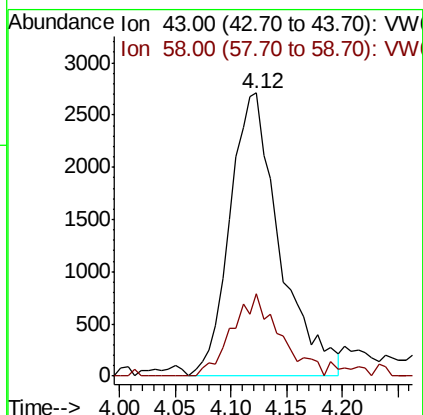
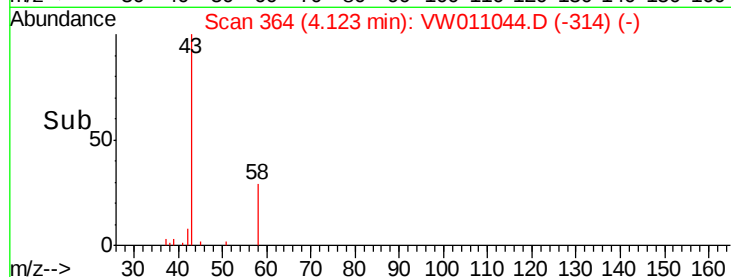
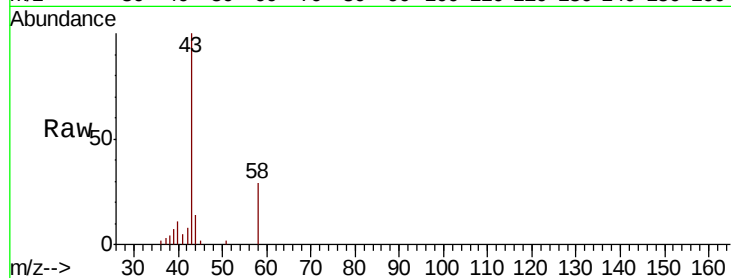
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 8427

Ion Ratio Lower Upper

43 100

58 29.2 22.5 33.7



#20

Methylene Chloride

Concen: 2.562 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

Tgt Ion: 84 Resp: 6910

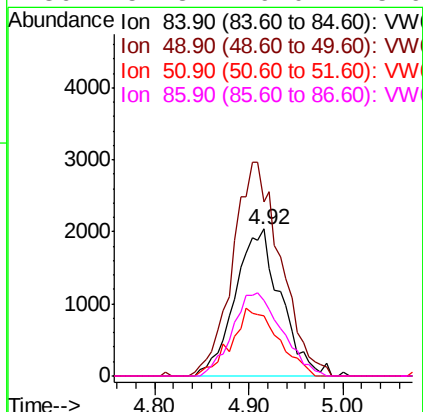
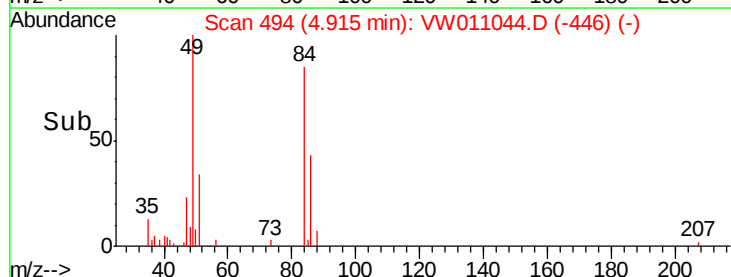
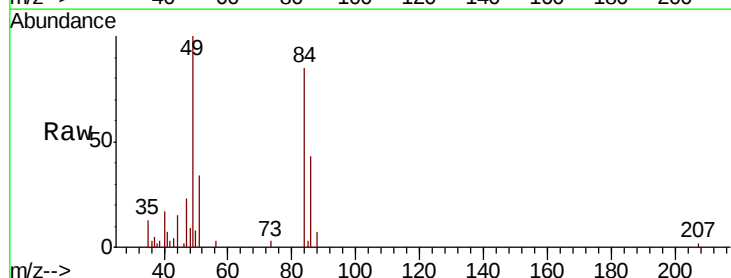
Ion Ratio Lower Upper

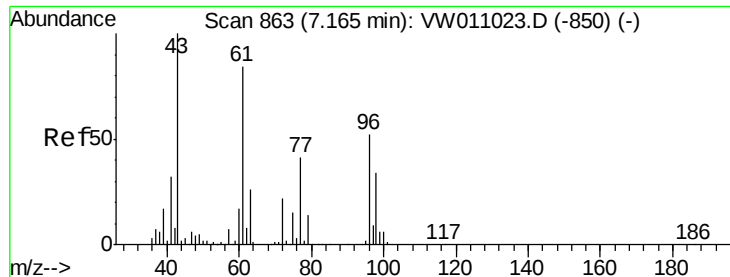
84 100

49 118.2 119.6 179.4#

51 40.6 35.6 53.4

86 51.3 49.0 73.6





#25

2-Butanone

Concen: 1.122 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

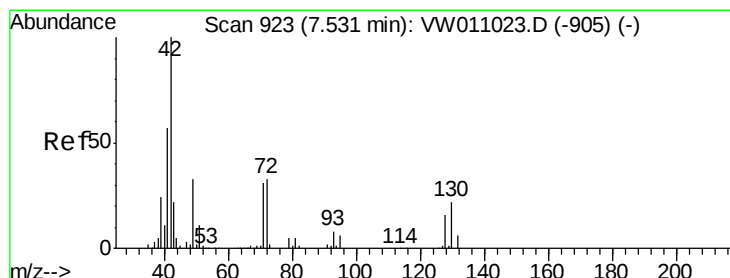
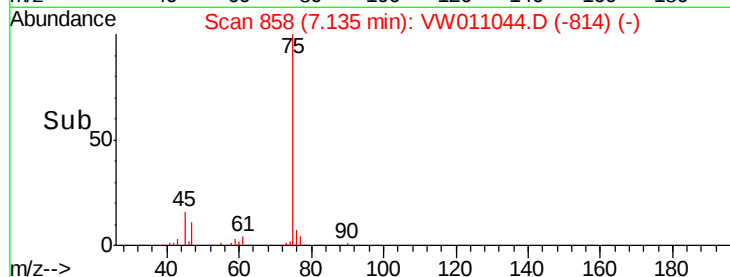
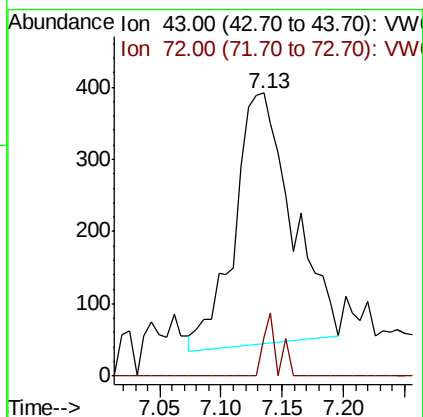
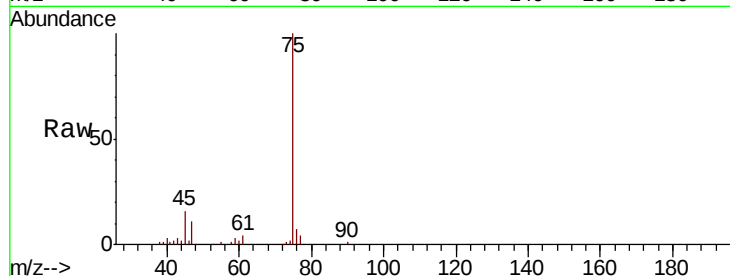
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1132

Ion Ratio Lower Upper

43 100

72 16.1 17.2 25.8#



#29

Tetrahydrofuran

Concen: 1.064 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

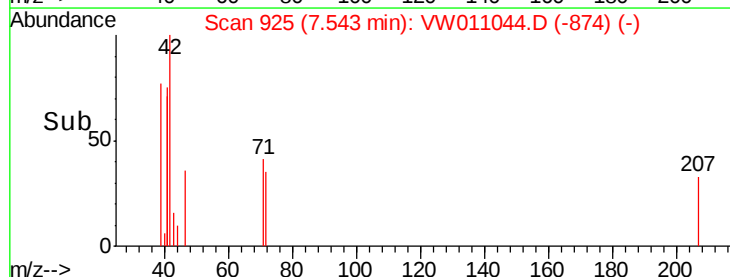
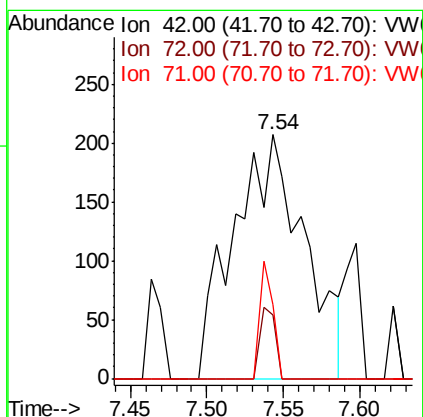
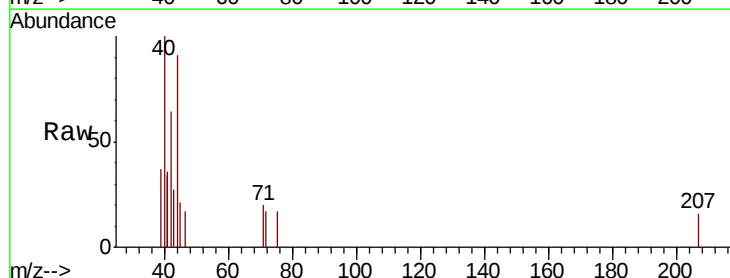
Tgt Ion: 42 Resp: 668

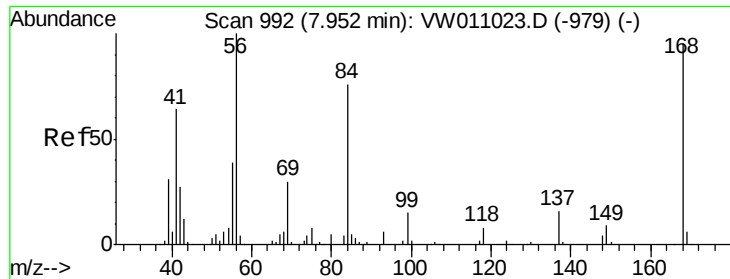
Ion Ratio Lower Upper

42 100

72 6.3 27.4 41.0#

71 9.0 25.6 38.4#

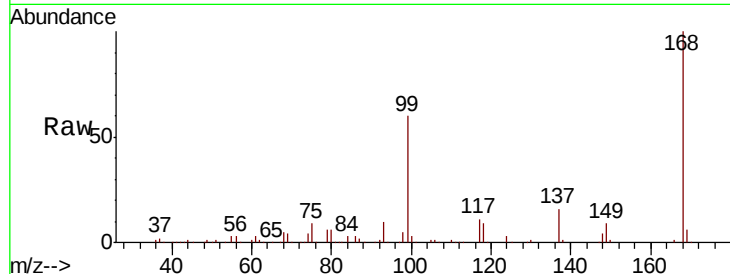




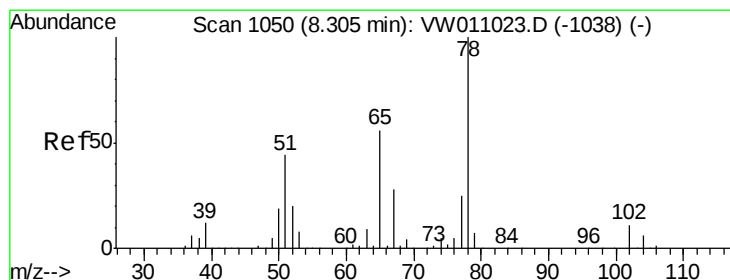
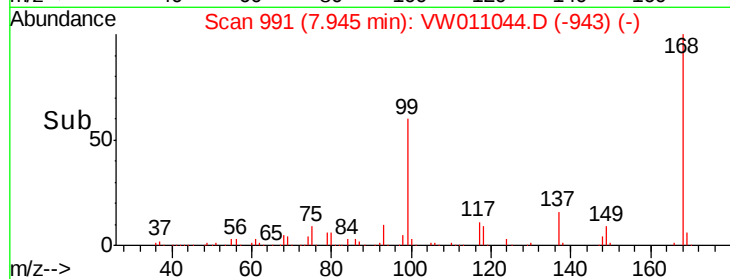
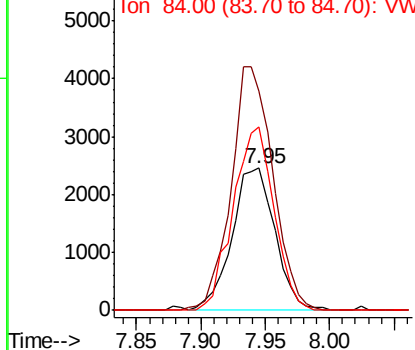
#31
Cyclohexane
Concen: 1.096 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011044.D
Acq: 28 Jun 2019 04:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5700
Ion Ratio Lower Upper
56 100
69 154.2 24.2 36.2#
84 129.4 60.6 90.8#

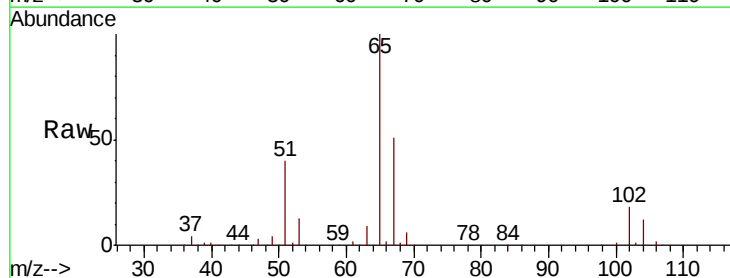


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

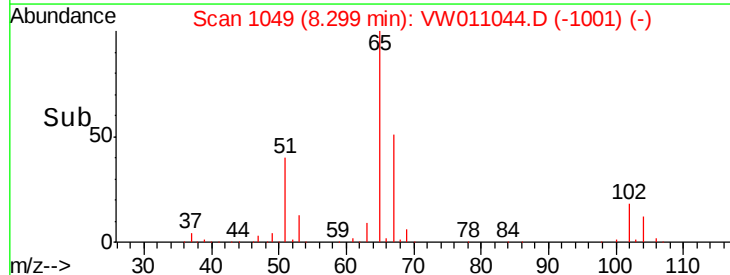
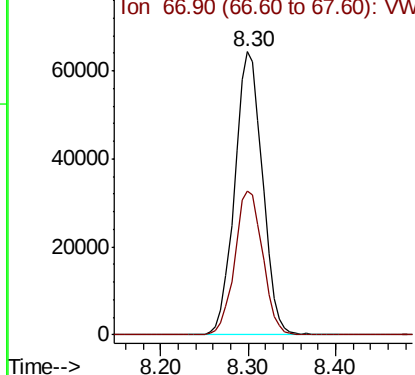


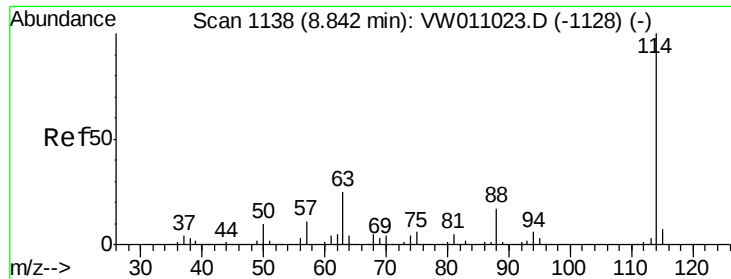
#33
1,2-Dichloroethane-d4
Concen: 52.329 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW011044.D
Acq: 28 Jun 2019 04:36

Tgt Ion: 65 Resp: 142302
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.4



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# 1137

Delta R.T. -0.01 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

Instrument :

MSVOA_W

ClientSampleId :

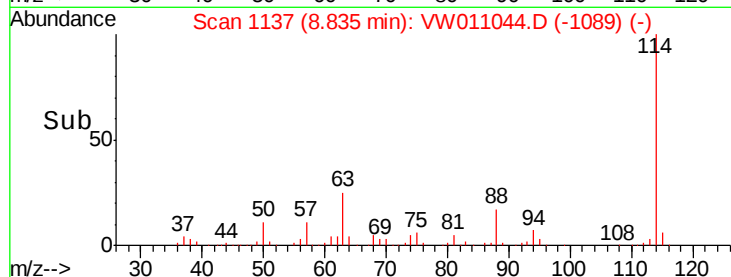
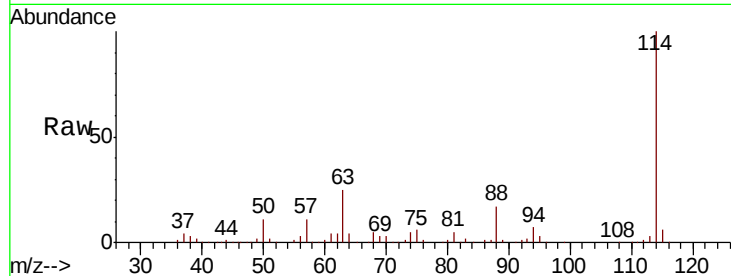
Tot Ion:114 Resp: 347790

Ion Ratio Lower Upper

114 100

63 25.0 0.0 50.6

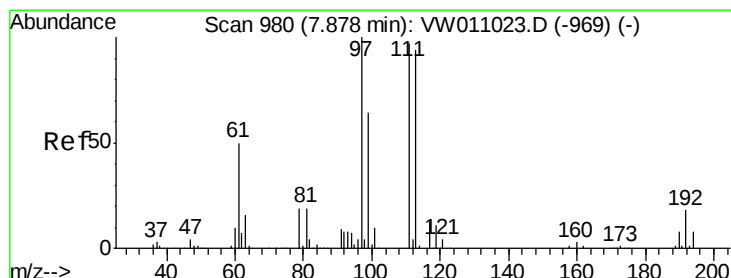
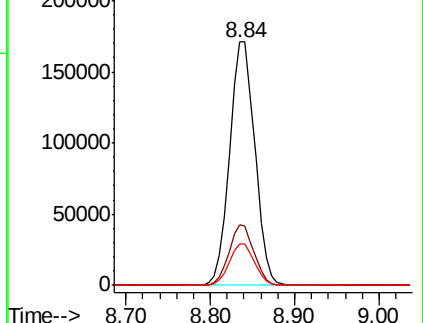
88 17.2 0.0 34.0



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: 51.407 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

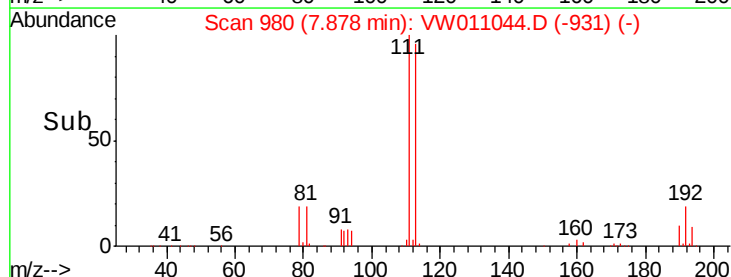
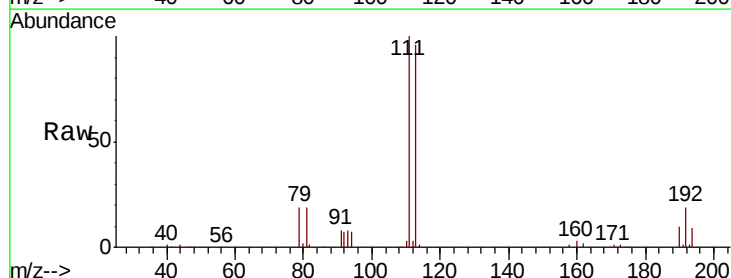
Tgt Ion:113 Resp: 109175

Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

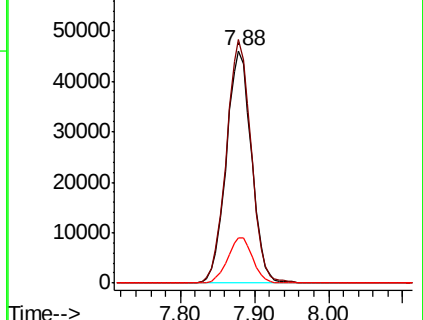
192 19.5 16.0 24.0

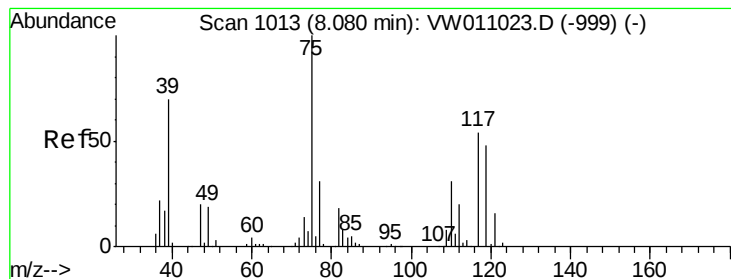


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.158 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

Instrument :

MSVOA_W

ClientSampleId :

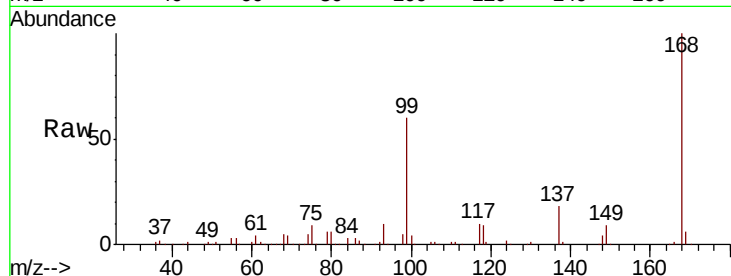
Tot Ion: 75 Resp: 19280

Ion Ratio Lower Upper

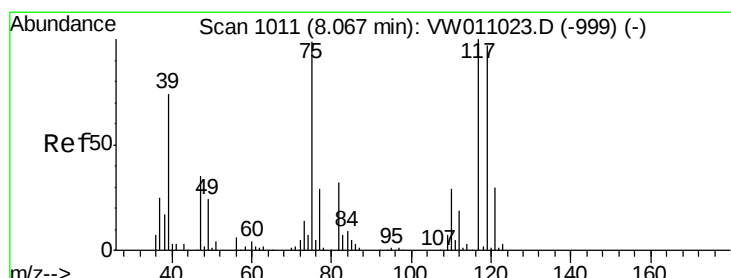
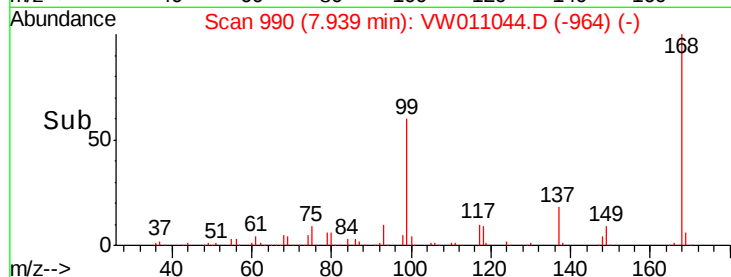
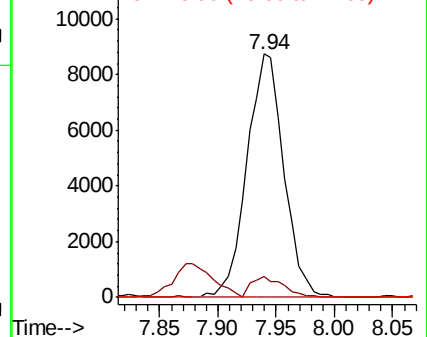
75 100

110 7.4 15.5 46.5#

77 0.0 24.9 37.3#



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): V



#38

Carbon Tetrachloride

Concen: 6.924 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

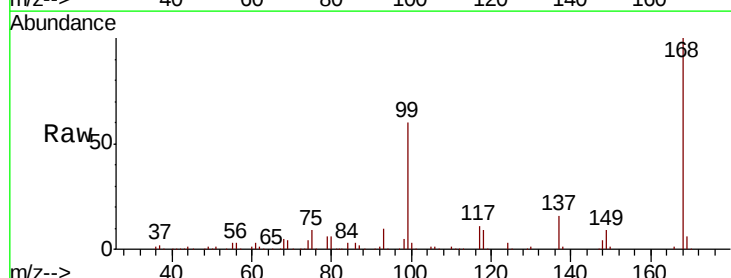
Tgt Ion: 117 Resp: 21315

Ion Ratio Lower Upper

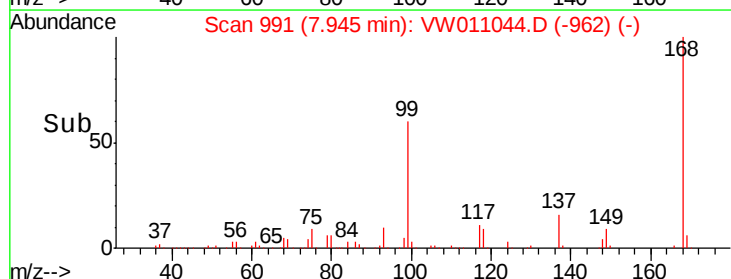
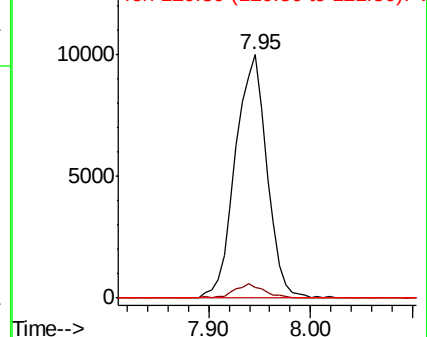
117 100

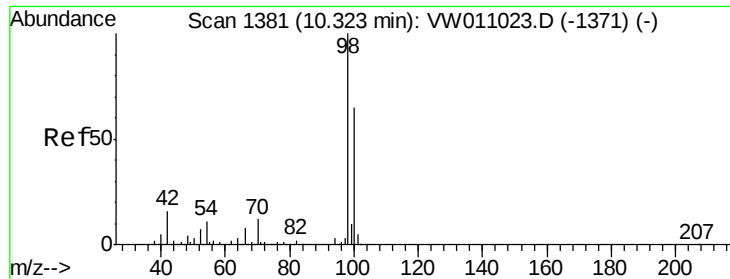
119 4.5 77.7 116.5#

121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.990 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

Instrument :

MSVOA_W

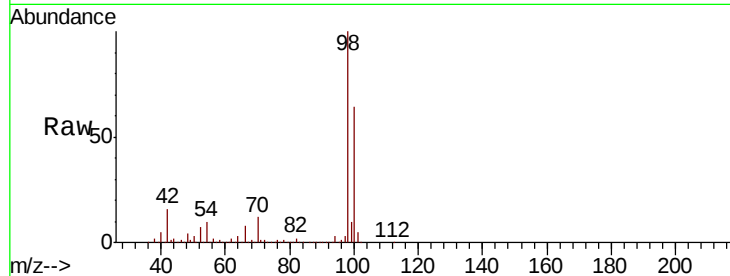
ClientSampleId :

Tot Ion: 98 Resp: 454488

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

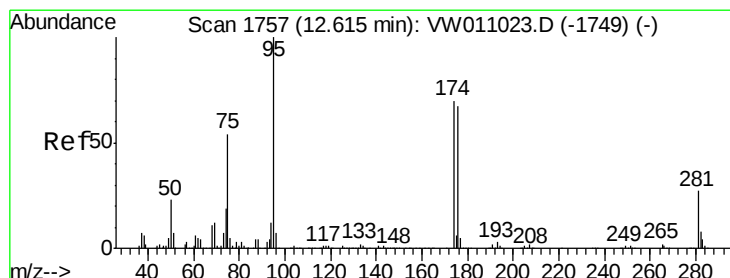
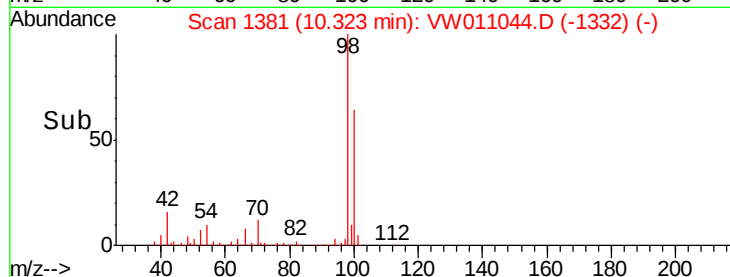
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 48.884 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

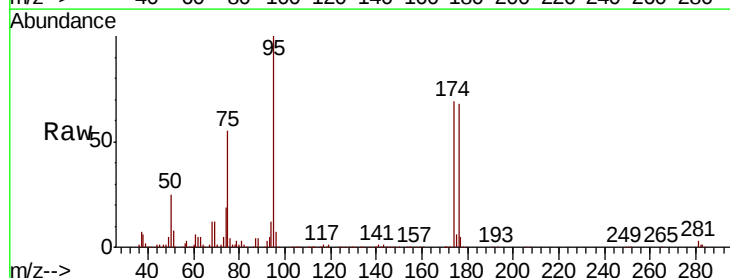
Tgt Ion: 95 Resp: 156300

Ion Ratio Lower Upper

95 100

174 74.0 0.0 149.2

176 71.7 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

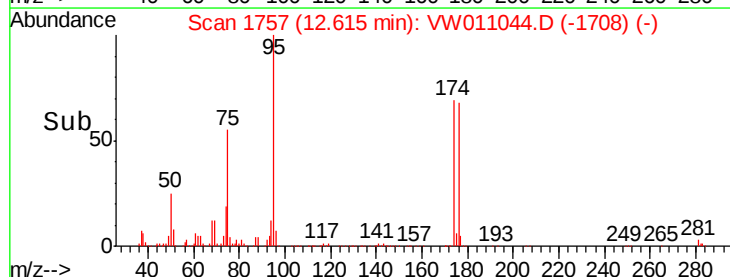
60000

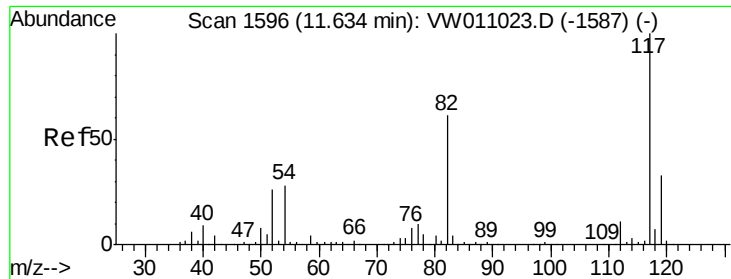
40000

20000

0

Time--> 12.60 12.70





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

Instrument :

MSVOA_W

ClientSampled :

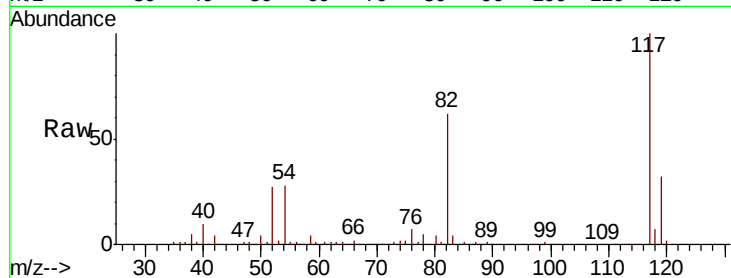
Tot Ion:117 Resp: 321549

Ion Ratio Lower Upper

117 100

82 62.5 48.6 73.0

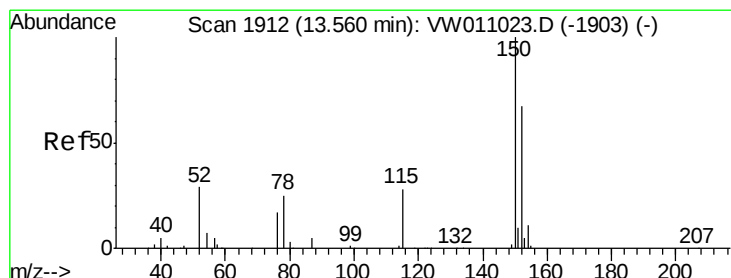
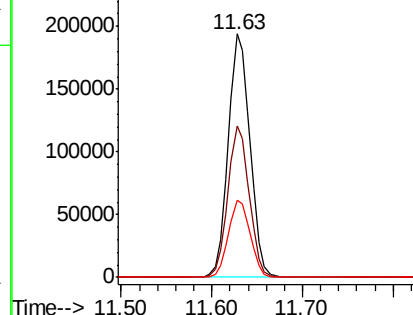
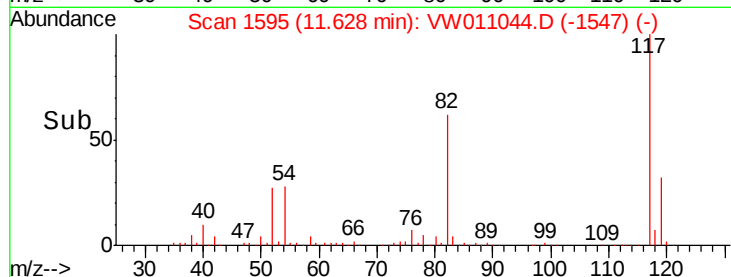
119 31.6 26.1 39.1



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: VW011044.D

Acq: 28 Jun 2019 04:36

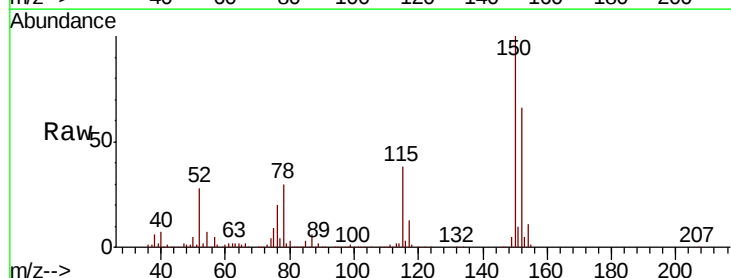
Tgt Ion:152 Resp: 127040

Ion Ratio Lower Upper

152 100

115 60.9 30.7 92.1

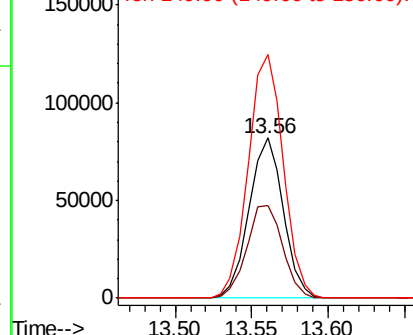
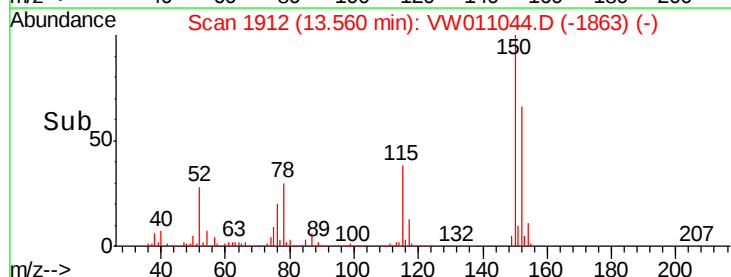
150 156.4 0.0 341.8

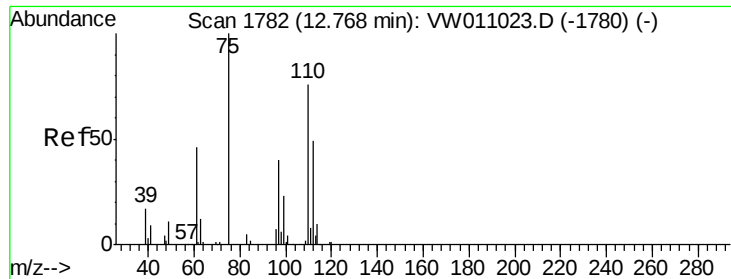


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 63.318 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

Instrument :

MSVOA_W

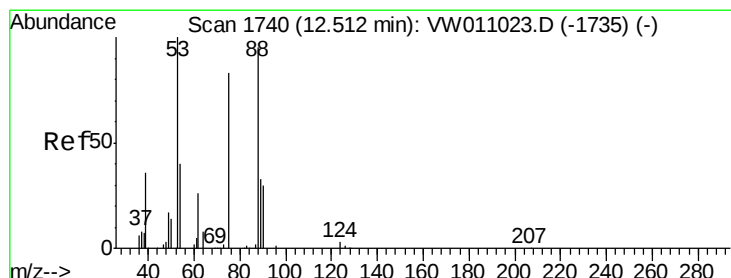
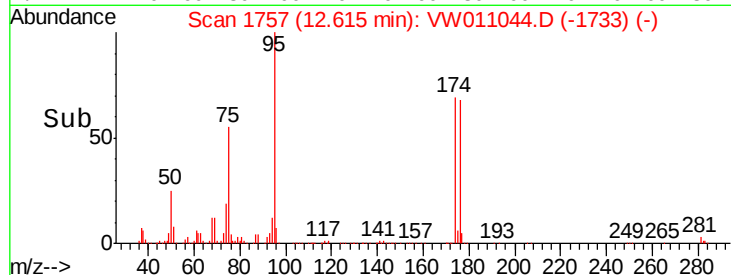
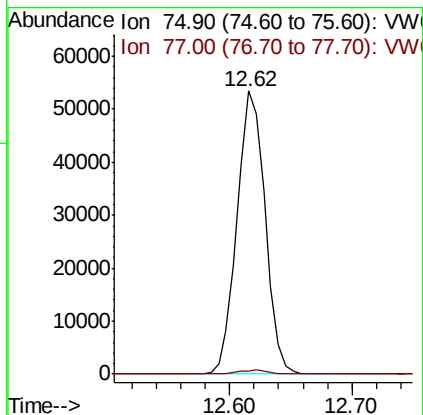
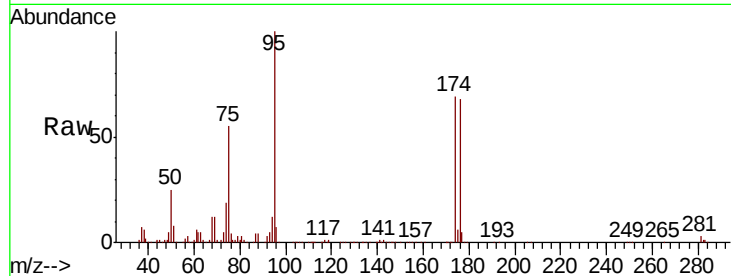
ClientSampleId :

Tot Ion: 75 Resp: 84923

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.773 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011044.D

Acq: 28 Jun 2019 04:36

Tgt Ion: 75 Resp: 84923

Ion Ratio Lower Upper

75 100

53 0.0 95.6 143.4#

89 0.0 34.4 51.6#

