

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062019\
 Data File : VW010893.D
 Acq On : 20 Jun 2019 15:42
 Operator : SY/VA
 Sample : K3448-03
 Misc : 5.77G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 21 07:47:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	388653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	138073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	154787	56.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.16%	
35) Dibromofluoromethane	7.88	113	109864	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
50) Toluene-d8	10.32	98	479856	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.62	95	159104	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	

Target Compounds

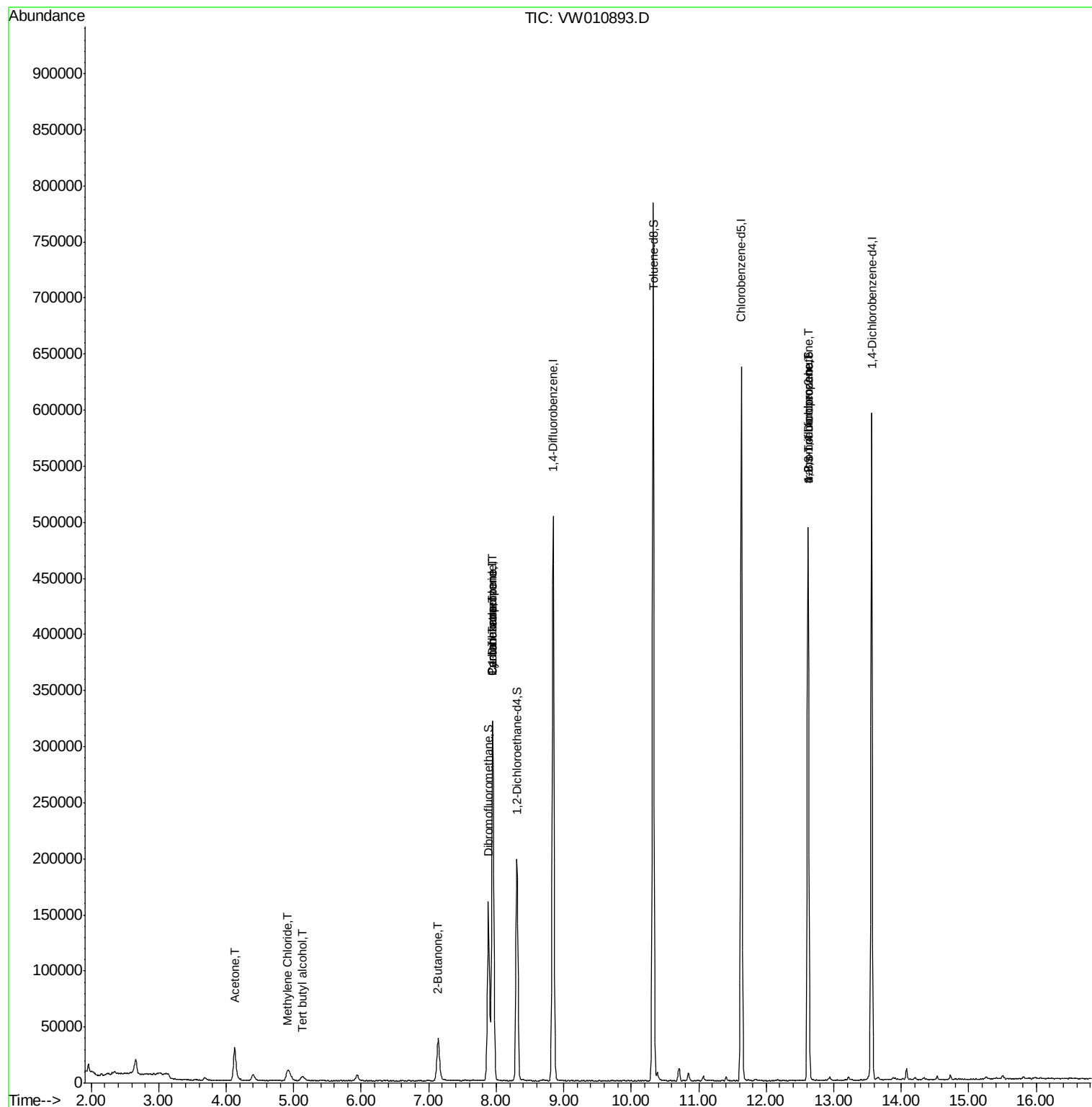
						Qvalue
11) Tert butyl alcohol	5.12	59	4726	21.205	ug/l #	74
16) Acetone	4.12	43	54199	73.938	ug/l	97
20) Methylene Chloride	4.92	84	6662	2.591	ug/l	98
25) 2-Butanone	7.14	43	2460	2.420	ug/l	93
31) Cyclohexane	7.95	56	6412	1.162	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	21020	5.284	ug/l #	50
38) Carbon Tetrachloride	7.95	117	24424	7.112	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	87613	60.425	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87613	138.876	ug/l #	5

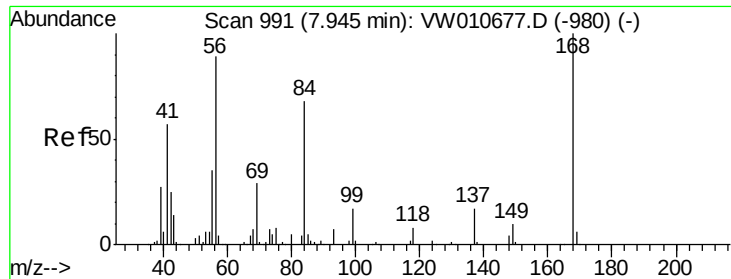
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010893.D

Acq: 20 Jun 2019 15:42

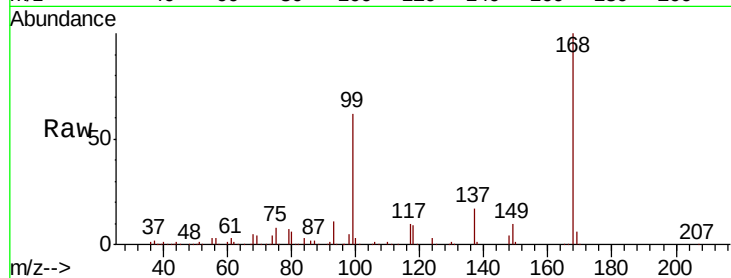
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 232104

Ion Ratio Lower Upper

168 100

99 61.5 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

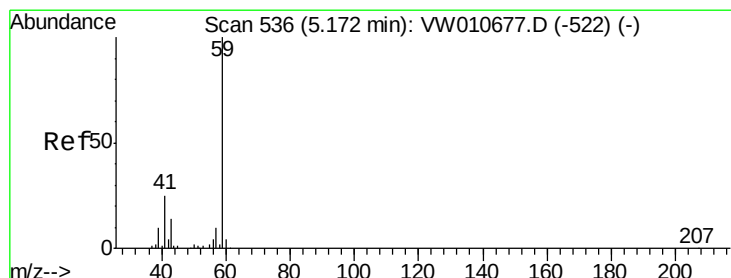
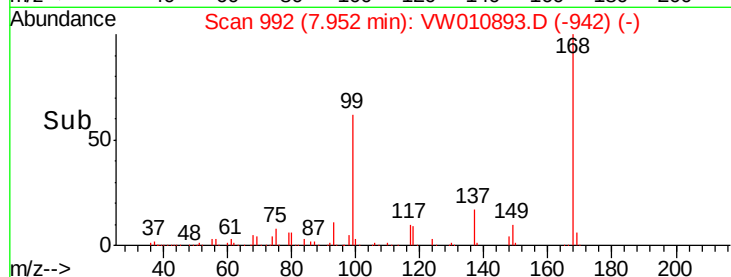
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 21.205 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW010893.D

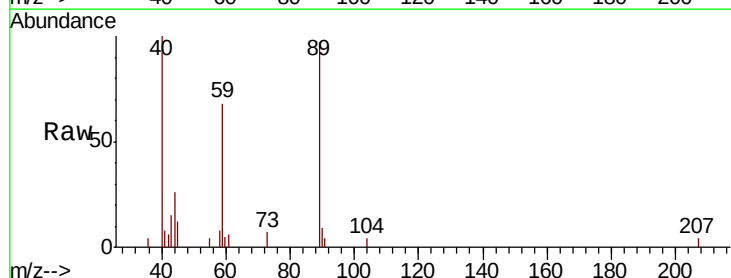
Acq: 20 Jun 2019 15:42

Tgt Ion: 59 Resp: 4726

Ion Ratio Lower Upper

59 100

57 0.9 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

1200

1000

800

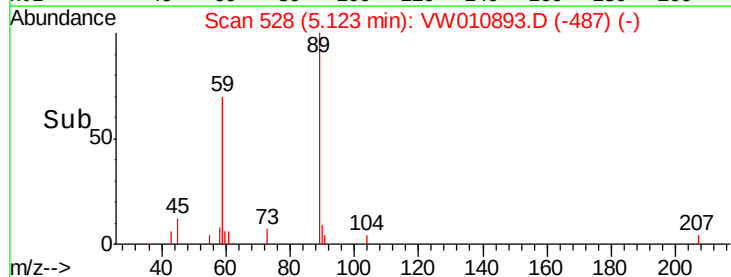
600

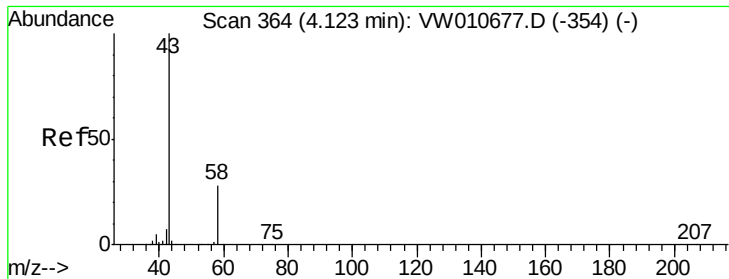
400

200

0

Time-->





#16

Acetone

Concen: 73.938 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010893.D

Acq: 20 Jun 2019 15:42

Instrument :

MSVOA_W

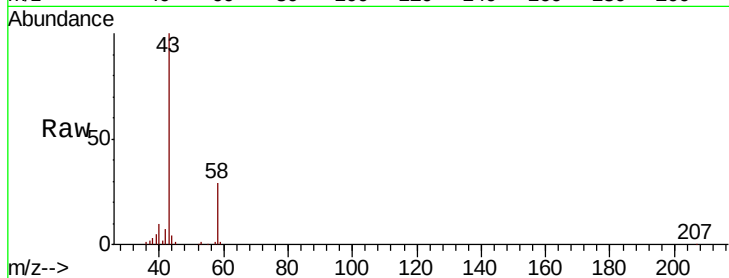
ClientSampleId :

Tot Ion: 43 Resp: 54199

Ion Ratio Lower Upper

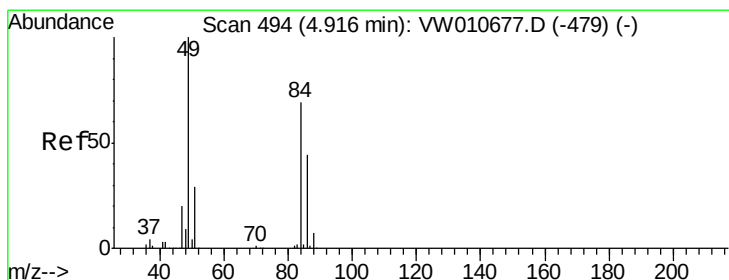
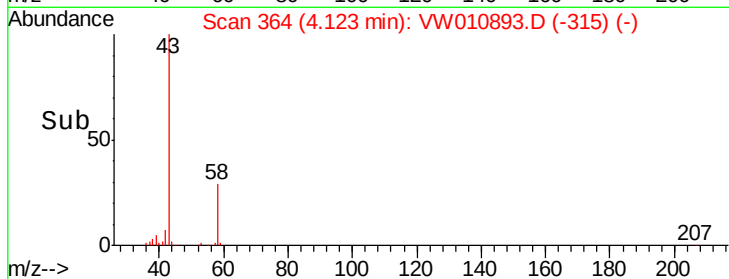
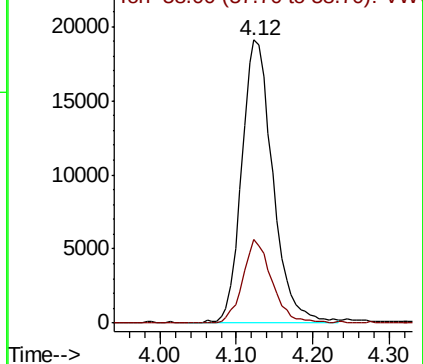
43 100

58 29.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.591 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010893.D

Acq: 20 Jun 2019 15:42

Tgt Ion: 84 Resp: 6662

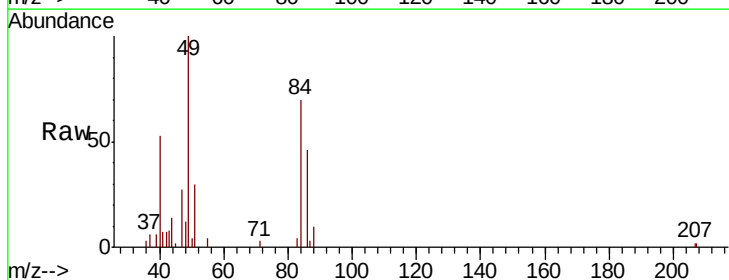
Ion Ratio Lower Upper

84 100

49 142.3 116.7 175.1

51 42.1 34.2 51.2

86 65.2 51.2 76.8

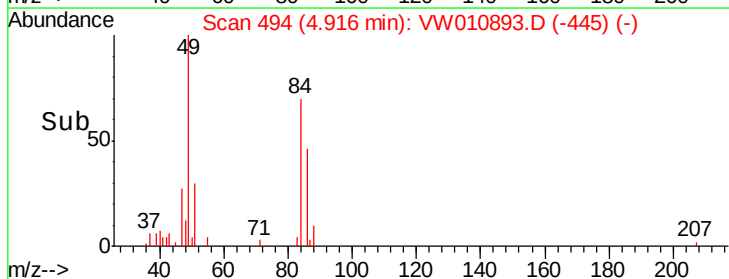
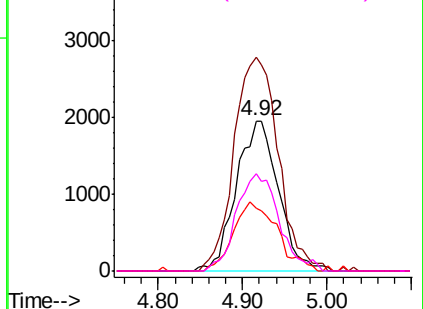


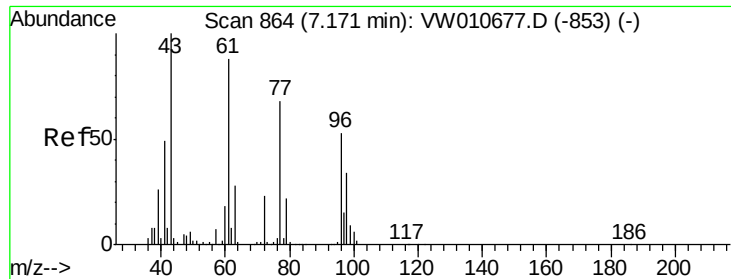
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 2.420 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010893.D

Acq: 20 Jun 2019 15:42

Instrument :

MSVOA_W

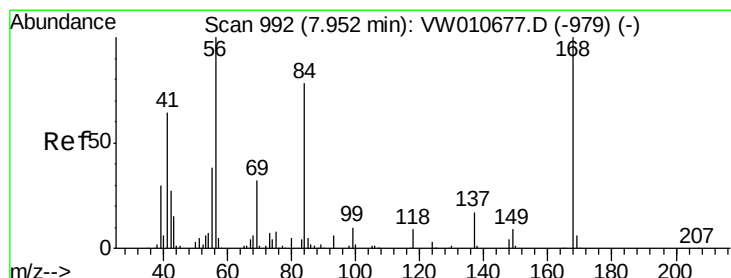
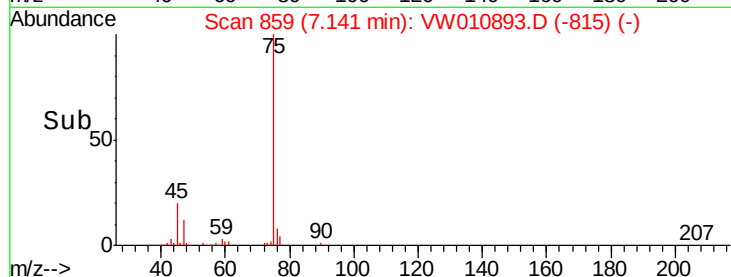
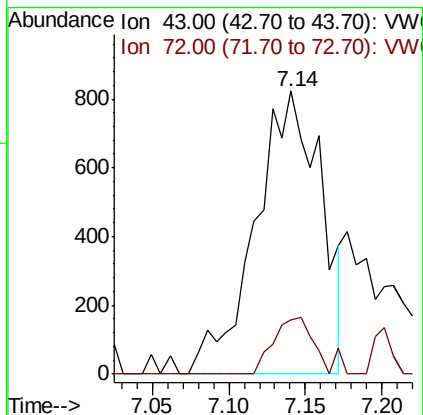
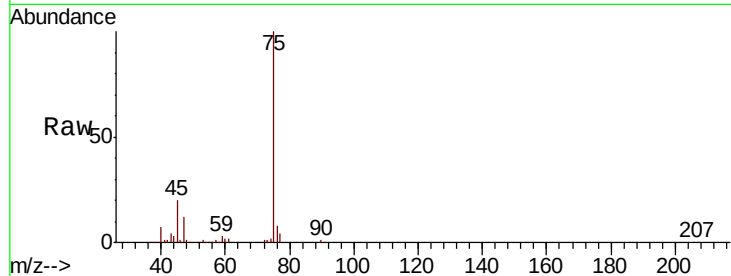
ClientSampled :

Tot Ion: 43 Resp: 2460

Ion Ratio Lower Upper

43 100

72 19.3 18.1 27.1



#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010893.D

Acq: 20 Jun 2019 15:42

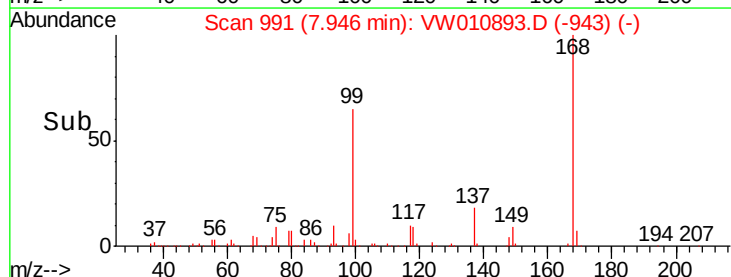
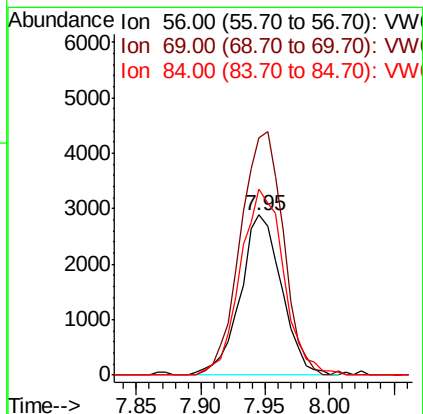
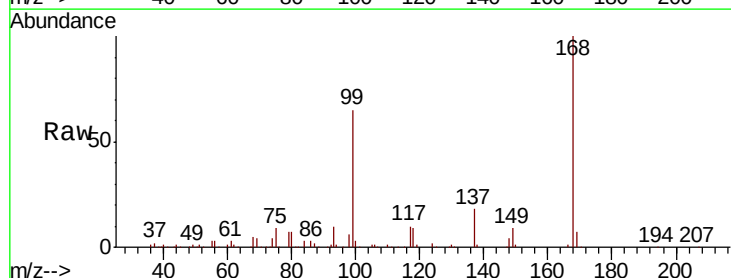
Tgt Ion: 56 Resp: 6412

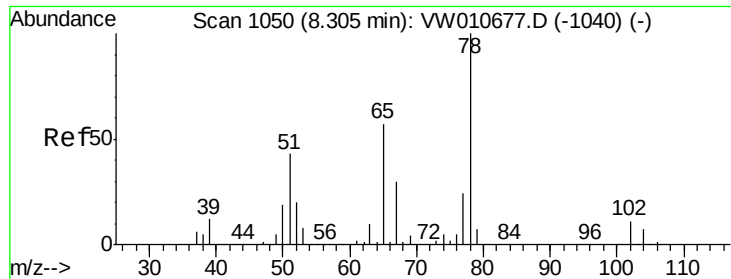
Ion Ratio Lower Upper

56 100

69 147.9 25.2 37.8#

84 115.9 62.2 93.2#

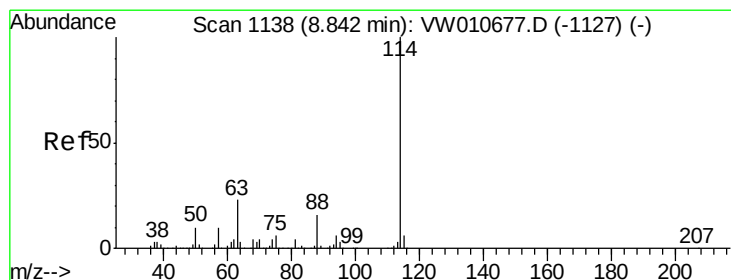
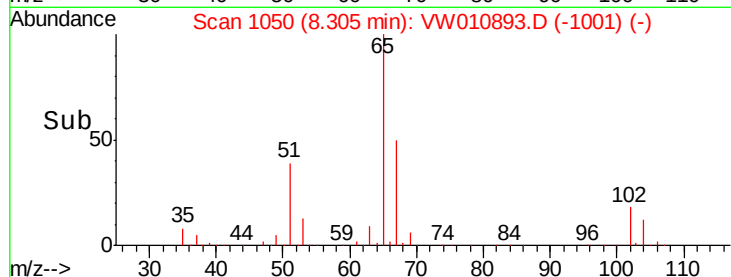
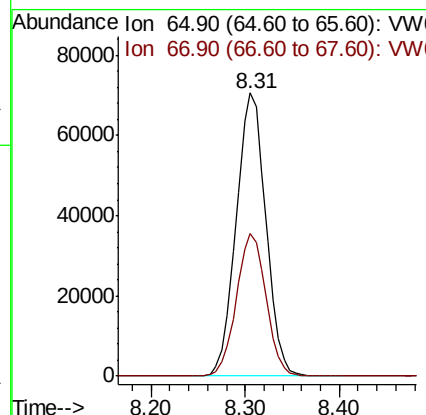
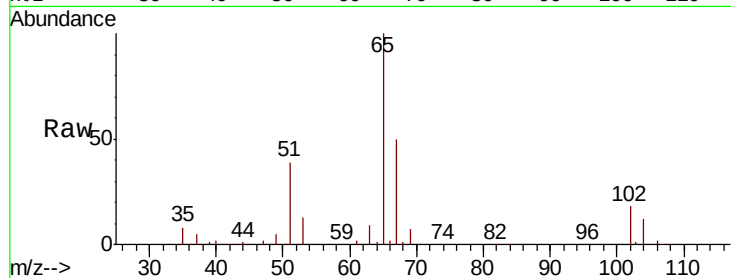




#33
 1,2-Dichloroethane-d4
 Concen: 56.580 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010893.D
 Acq: 20 Jun 2019 15:42

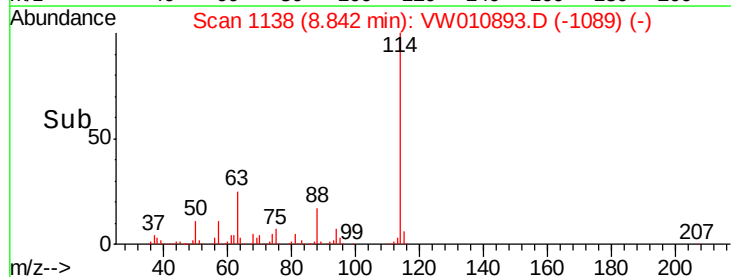
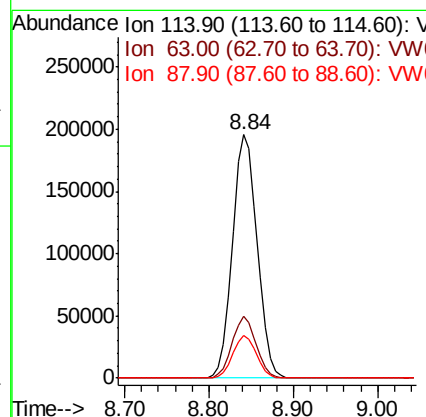
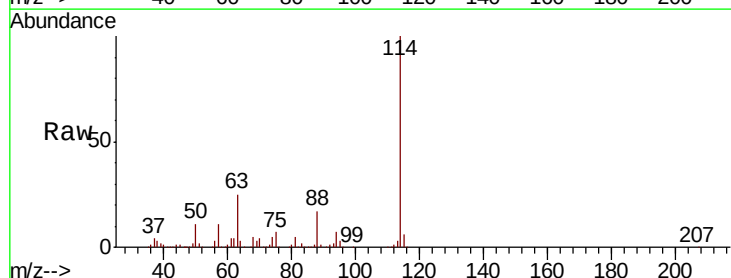
Instrument :
 MSVOA_W
 ClientSampleId :

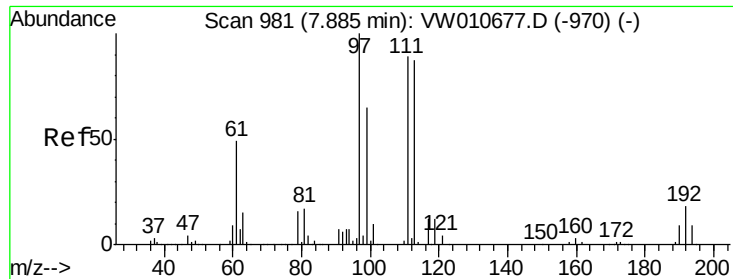
Tot Ion: 65 Resp: 154787
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010893.D
 Acq: 20 Jun 2019 15:42

Tgt Ion: 114 Resp: 388653
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 46.4
 88 17.4 0.0 32.2

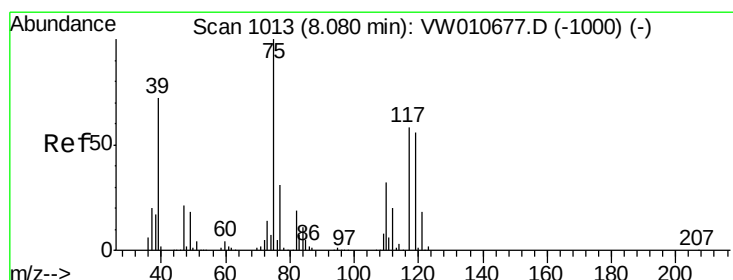
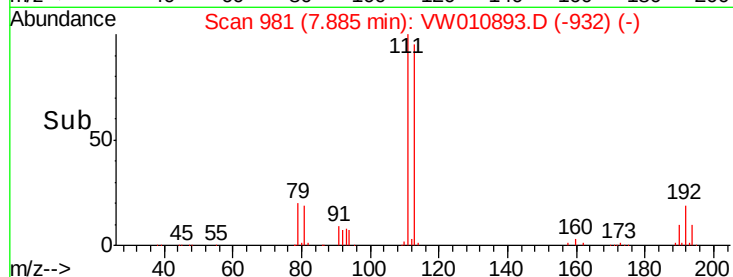
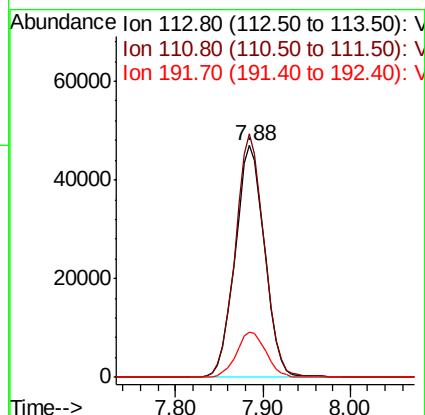
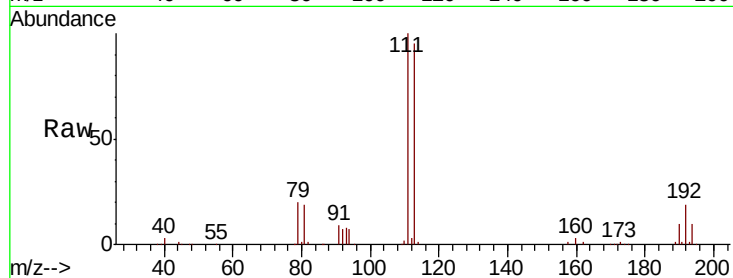




#35
 Dibromofluoromethane
 Concen: 52.080 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010893.D
 Acq: 20 Jun 2019 15:42

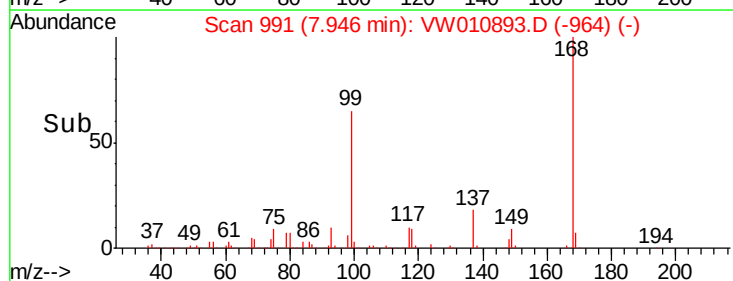
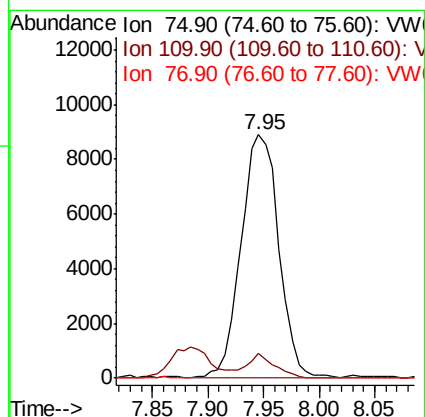
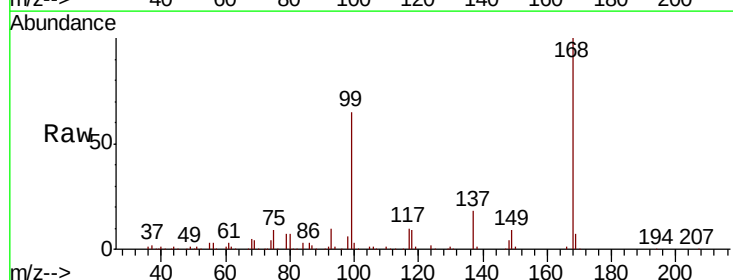
Instrument :
 MSVOA_W
 ClientSampleId :

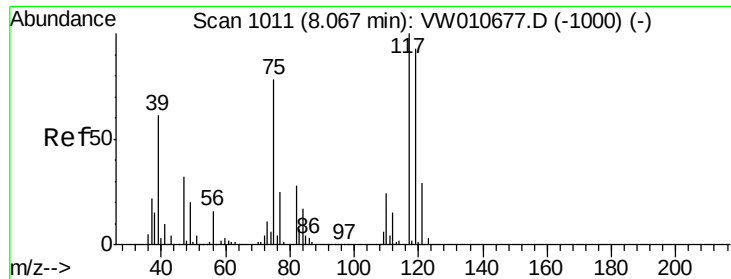
Tot Ion:113 Resp: 109864
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.6 123.8
 192 19.7 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 5.284 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010893.D
 Acq: 20 Jun 2019 15:42

Tgt Ion: 75 Resp: 21020
 Ion Ratio Lower Upper
 75 100
 110 7.5 15.8 47.3#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.112 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010893.D

Acq: 20 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampled :

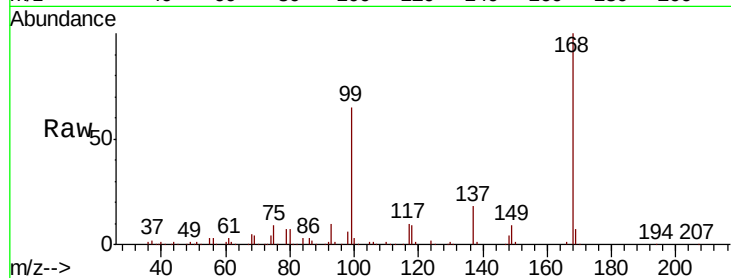
Tot Ion:117 Resp: 24424

Ion Ratio Lower Upper

117 100

119 6.4 74.2 111.4#

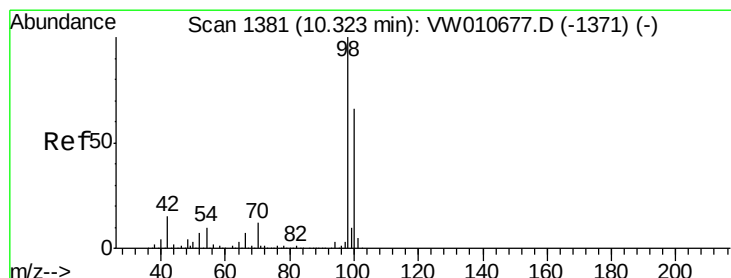
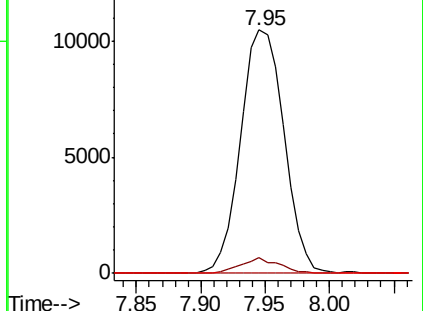
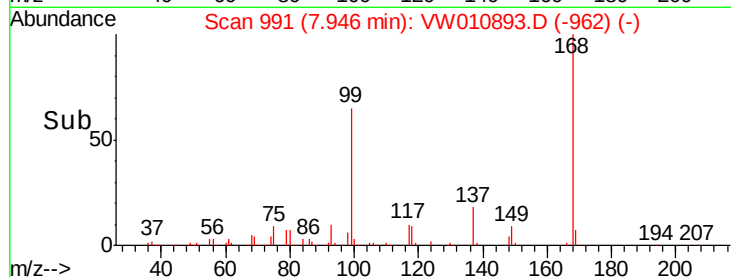
121 0.0 22.9 34.3#



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: 51.873 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010893.D

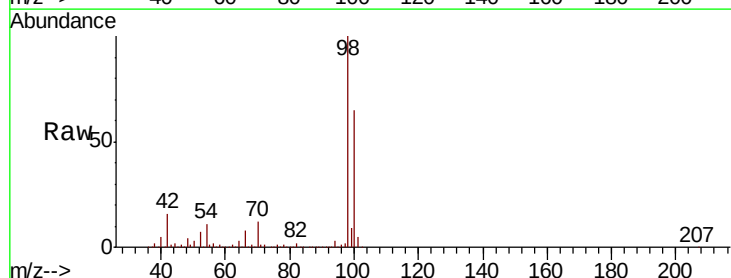
Acq: 20 Jun 2019 15:42

Tgt Ion: 98 Resp: 479856

Ion Ratio Lower Upper

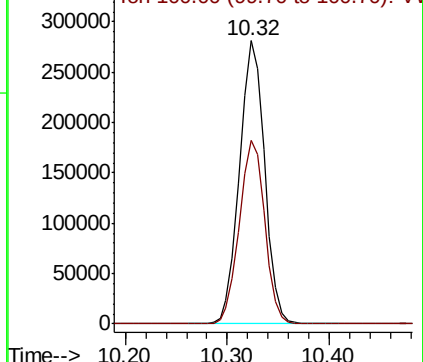
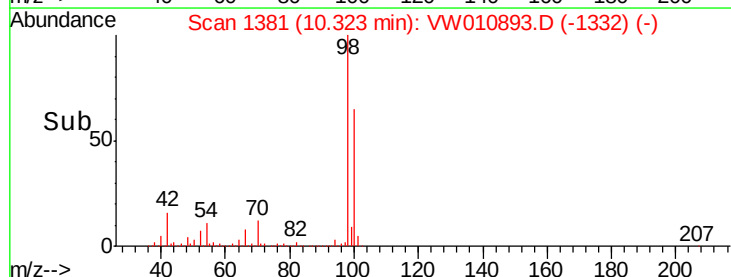
98 100

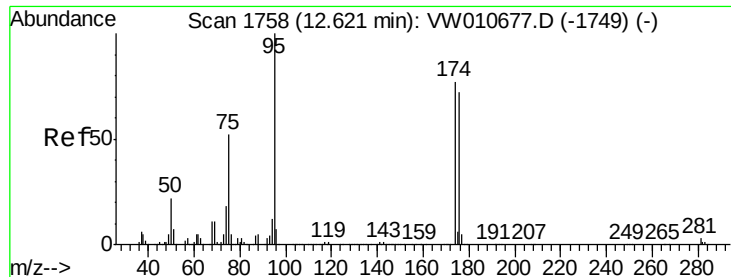
100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 47.266 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010893.D

Acq: 20 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampled :

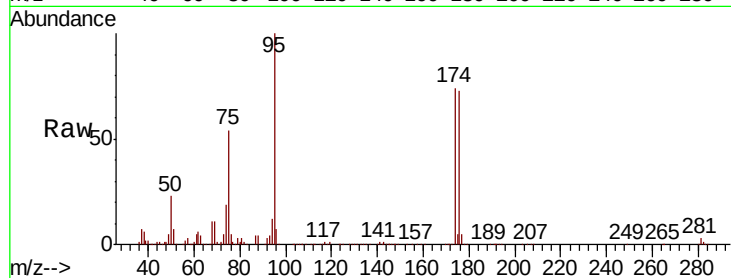
Tot Ion: 95 Resp: 159104

Ion Ratio Lower Upper

95 100

174 73.8 0.0 150.4

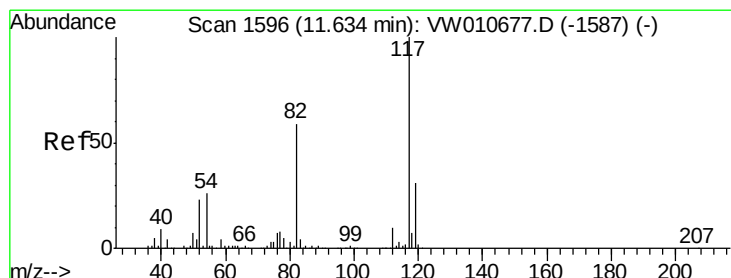
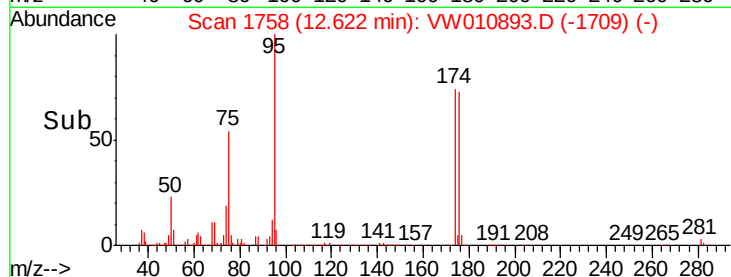
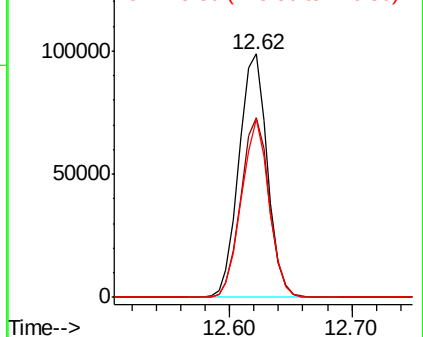
176 71.0 0.0 144.8



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: VW010893.D

Acq: 20 Jun 2019 15:42

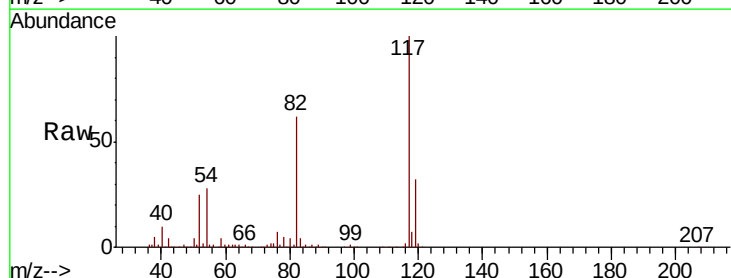
Tgt Ion: 117 Resp: 326782

Ion Ratio Lower Upper

117 100

82 61.7 47.0 70.4

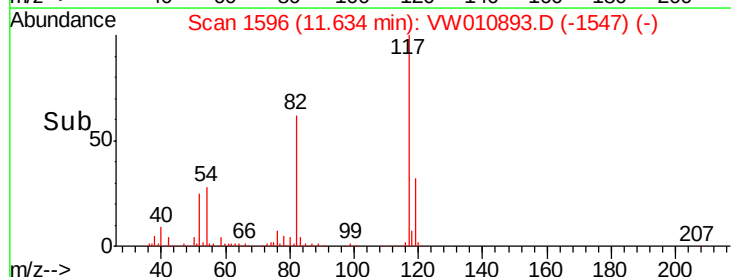
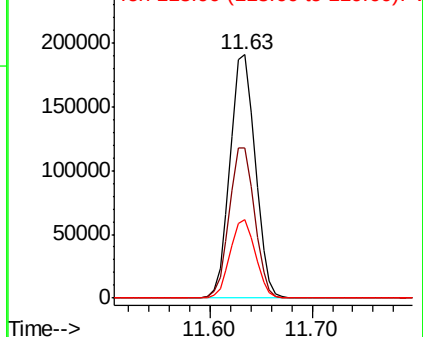
119 32.2 25.1 37.7

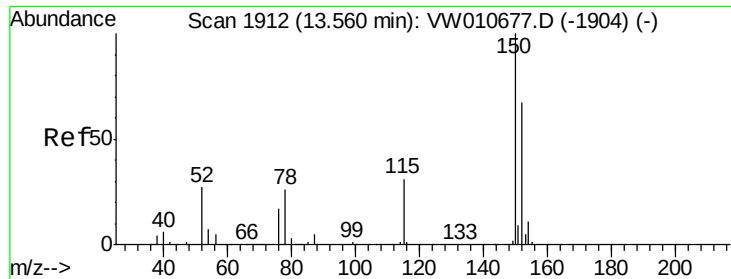


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW010893.D

Acq: 20 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

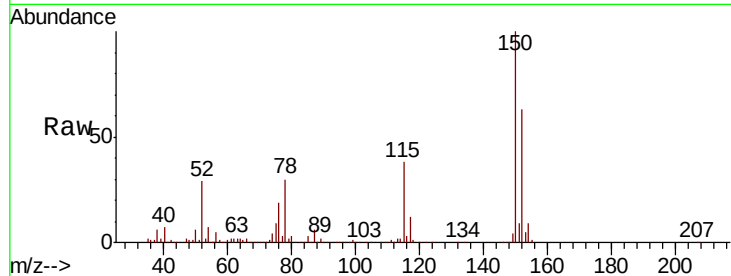
Tot Ion:152 Resp: 138073

Ion Ratio Lower Upper

152 100

115 61.0 29.8 89.3

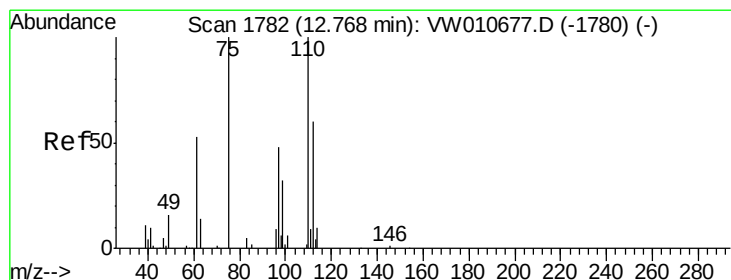
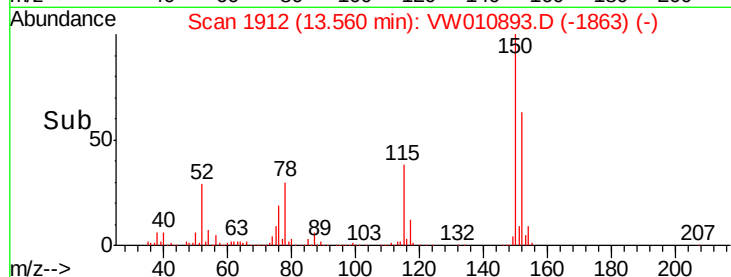
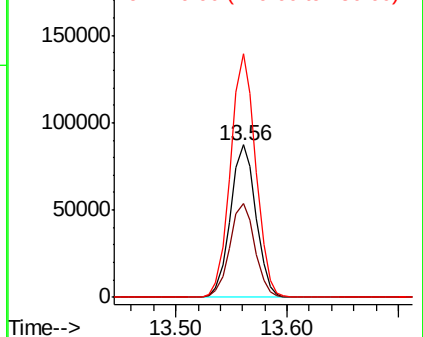
150 158.1 0.0 345.0



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: 60.425 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010893.D

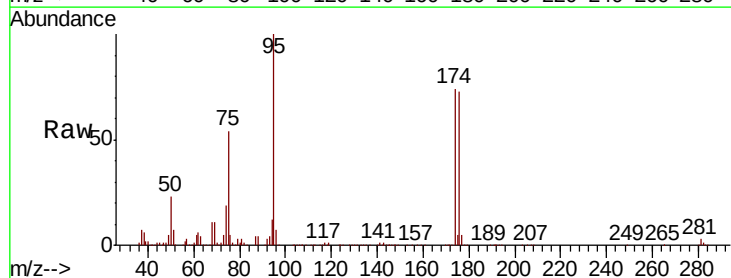
Acq: 20 Jun 2019 15:42

Tgt Ion: 75 Resp: 87613

Ion Ratio Lower Upper

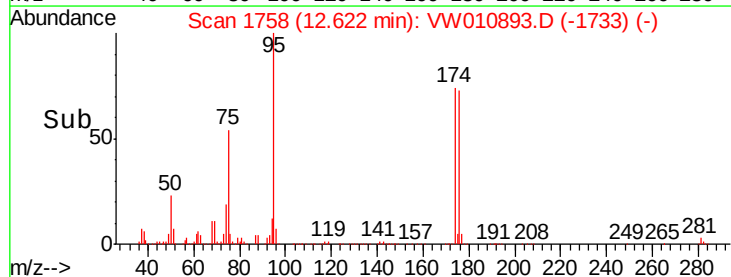
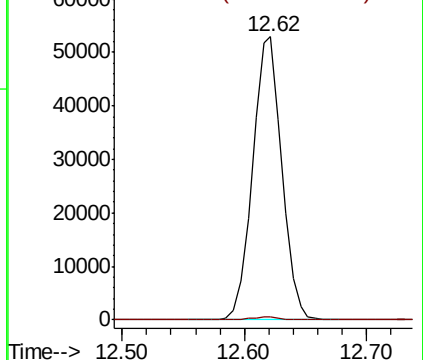
75 100

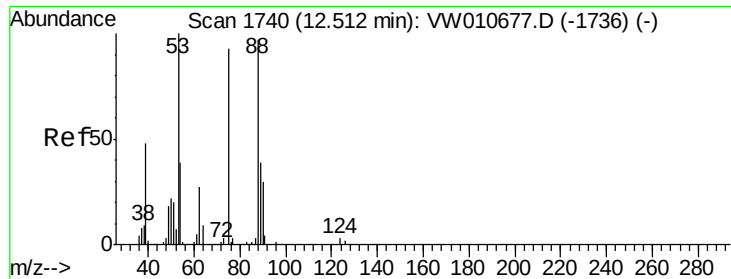
77 1.3 0.0 0.0#



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: 138.876 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010893.D

Acq: 20 Jun 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

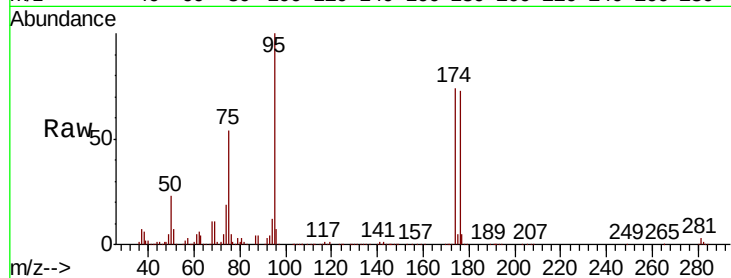
Tot Ion: 75 Resp: 87613

Ion Ratio Lower Upper

75 100

53 0.1 90.1 135.1#

89 0.0 34.6 52.0#



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

