

Data File : VW008729.D
Acq On : 18 Feb 2019 15:32
Operator : SY/VA
Sample : K1515-11
Misc : 5.93G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TS-11

Quant Time: Feb 19 03:30:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	375529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	567102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	507671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	260533	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	209282	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.88	113	179954	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.32	98	674564	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.62	95	242322	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds

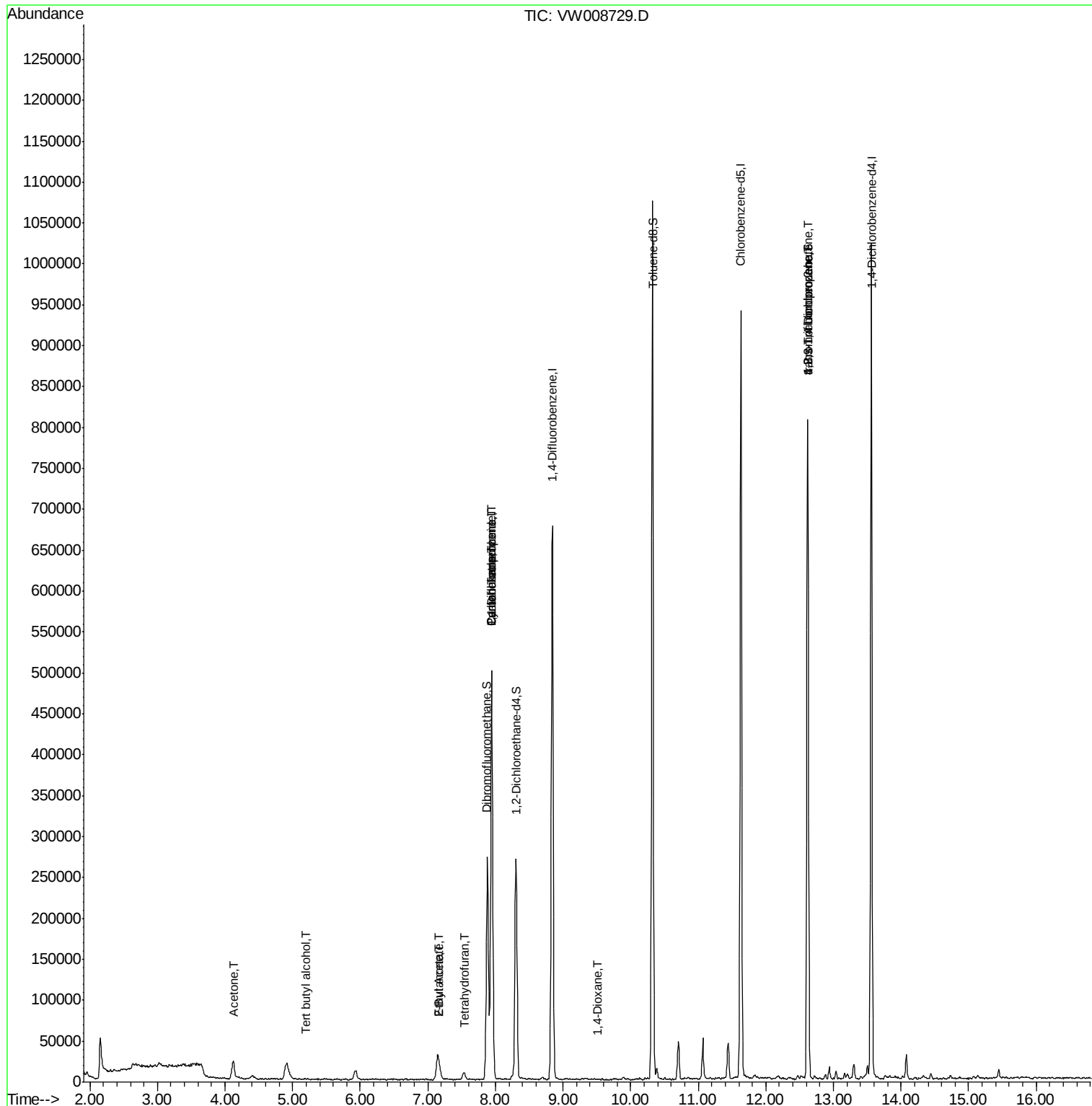
						Qvalue
11) Tert butyl alcohol	5.20	59	904	2.894	ug/l #	90
16) Acetone	4.12	43	39351	44.294	ug/l	98
20) Methylene Chloride	4.92	84	18905	Below Cal	#	86
25) 2-Butanone	7.17	43	15356	12.241	ug/l #	87
29) Tetrahydrofuran	7.54	42	6475	7.831	ug/l	94
31) Cyclohexane	7.95	56	7970	1.116	ug/l #	31
36) 1,1-Dichloropropene	7.94	75	27766	4.873	ug/l #	51
37) Ethyl Acetate	7.17	43	15356	5.587	ug/l #	85
38) Carbon Tetrachloride	7.95	117	35550	6.275	ug/l #	17
49) 1,4-Dioxane	9.51	88	48	1.418	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	127391	49.518	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	127391	106.195	ug/l #	6

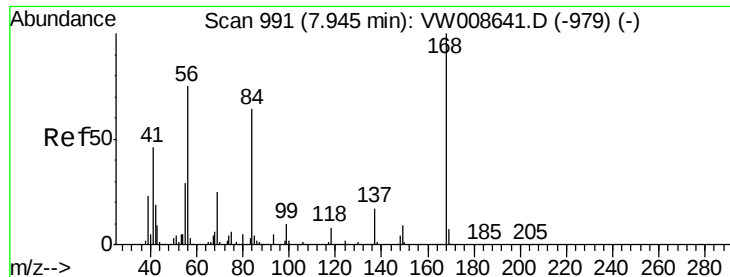
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008729.D

Acq: 18 Feb 2019 15:32

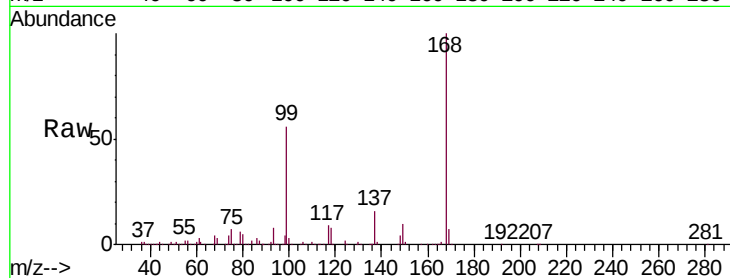
Instrument :
MSVOA_W
ClientSampled :
TS-11

Tgt Ion:168 Resp: 375529

Ion Ratio Lower Upper

168 100

99 55.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

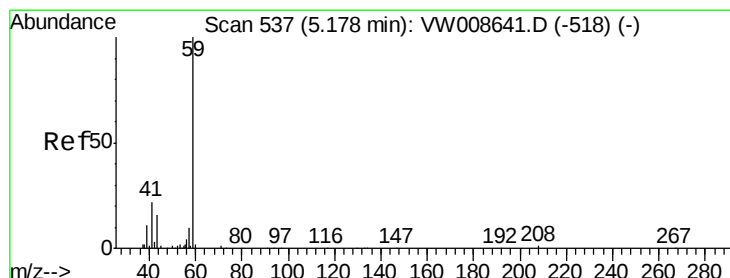
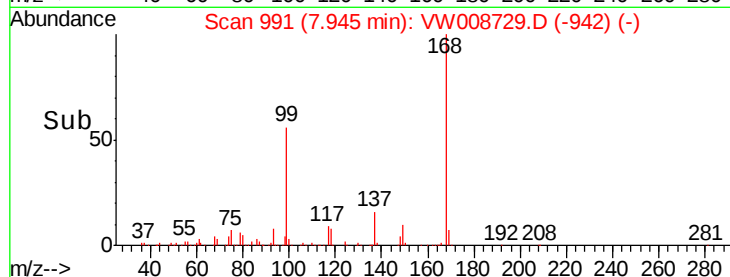
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.894 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW008729.D

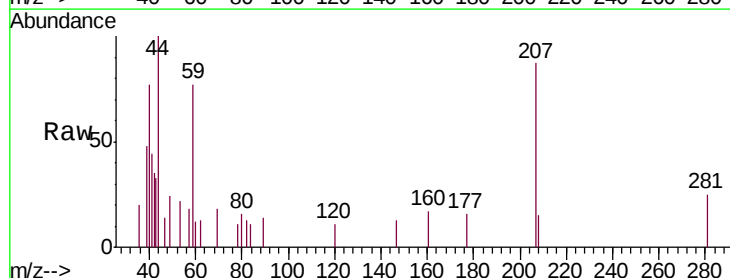
Acq: 18 Feb 2019 15:32

Tgt Ion: 59 Resp: 904

Ion Ratio Lower Upper

59 100

57 6.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

400

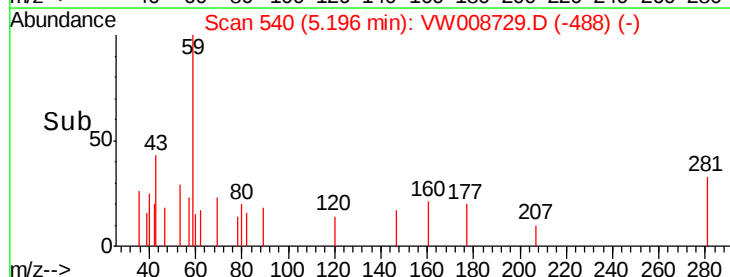
300

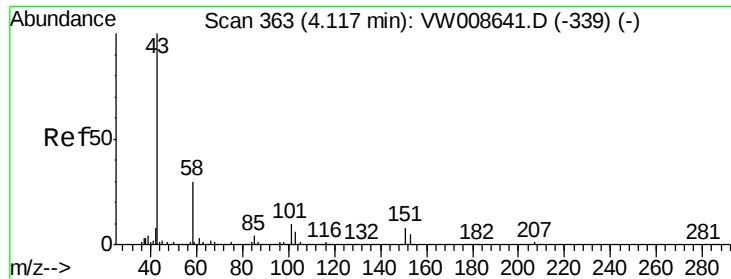
200

100

0

Time--> 5.15 5.20 5.25

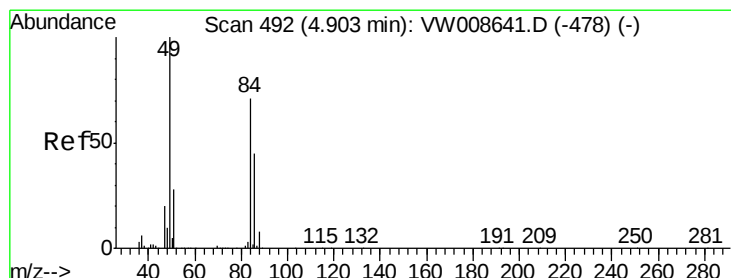
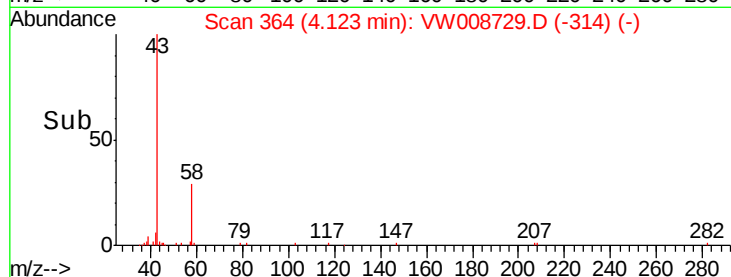
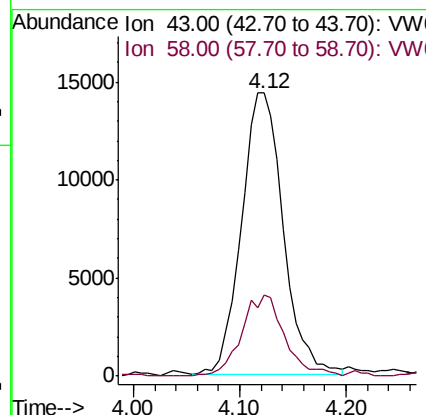
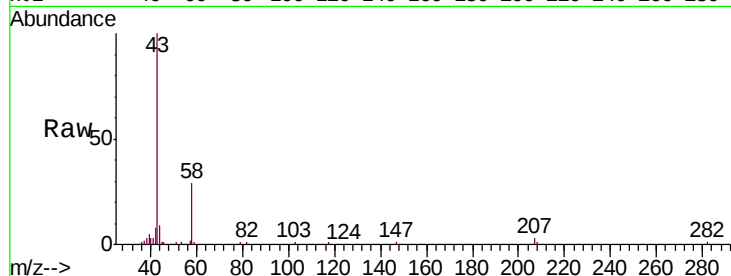




#16
Acetone
Concen: 44.294 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008729.D
Acq: 18 Feb 2019 15:32

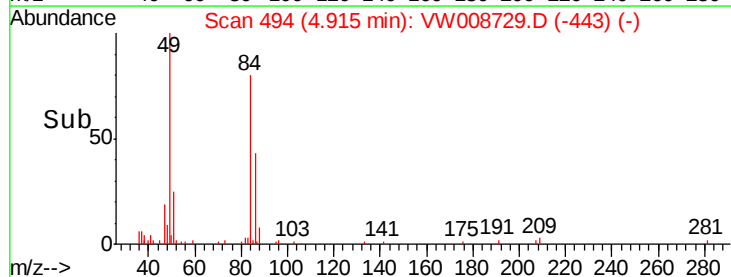
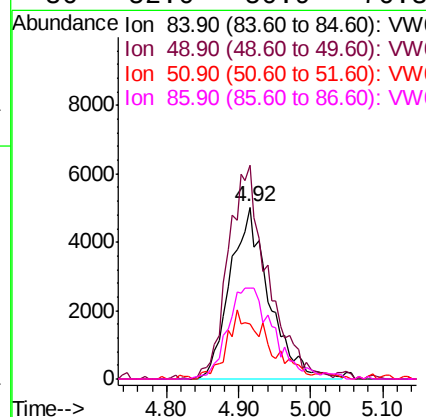
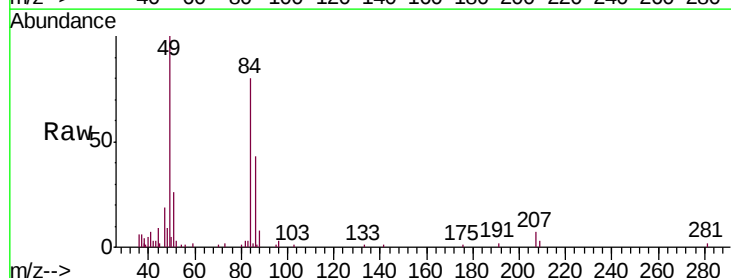
Instrument :
MSVOA_W
ClientSampleId :
TS-11

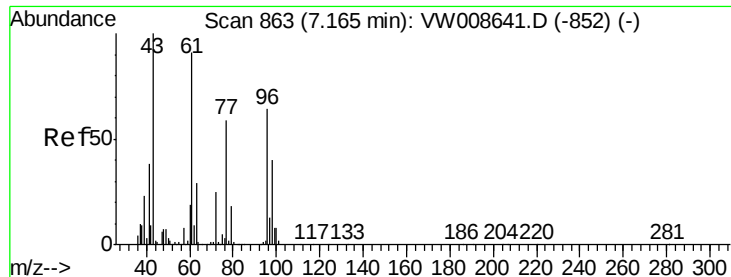
Tgt Ion: 43 Resp: 39351
Ion Ratio Lower Upper
43 100
58 29.0 24.1 36.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008729.D
Acq: 18 Feb 2019 15:32

Tgt Ion: 84 Resp: 18905
Ion Ratio Lower Upper
84 100
49 124.3 113.3 169.9
51 31.8 32.1 48.1#
86 52.0 50.9 76.3





#25

2-Butanone

Concen: 12.241 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

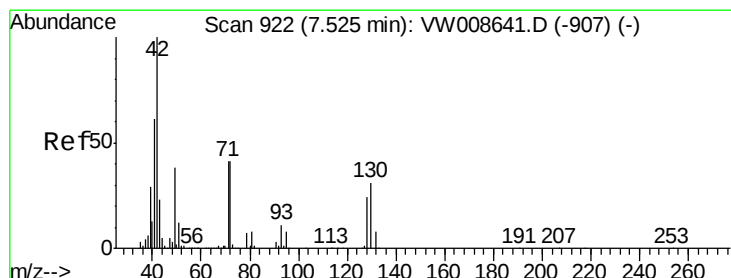
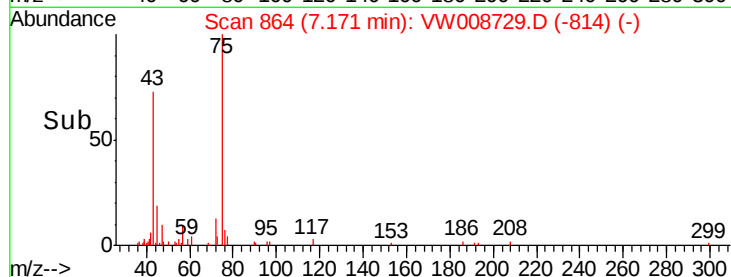
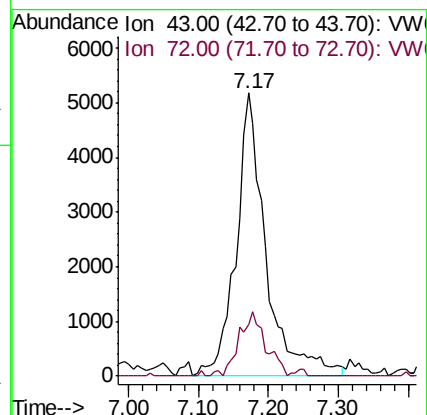
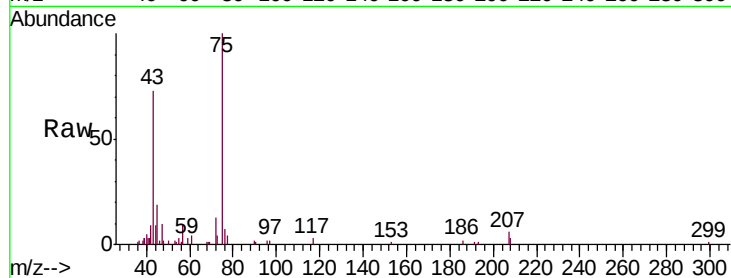
TS-11

Tgt Ion: 43 Resp: 15356

Ion Ratio Lower Upper

43 100

72 18.4 19.7 29.5#



#29

Tetrahydrofuran

Concen: 7.831 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

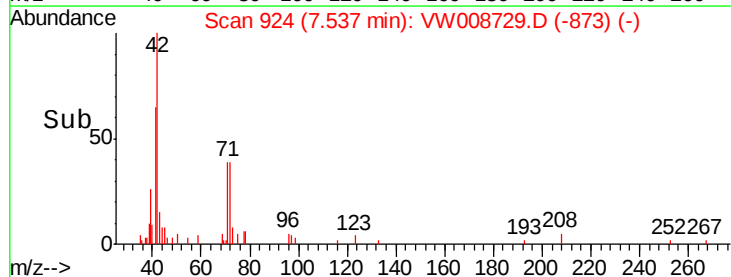
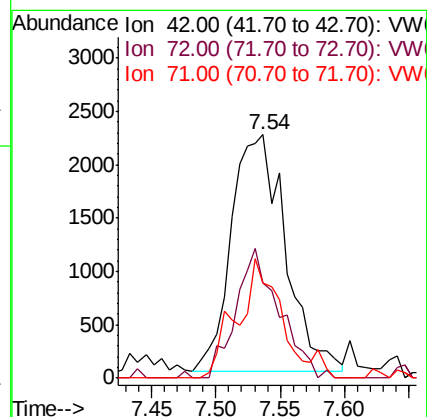
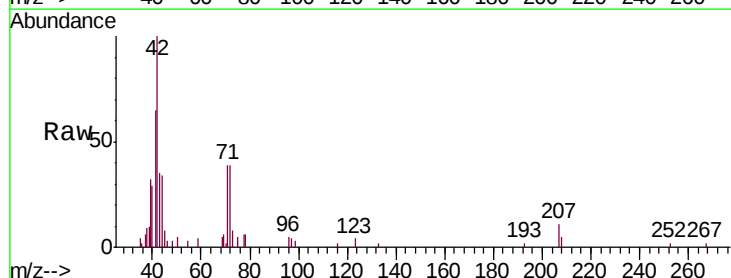
Tgt Ion: 42 Resp: 6475

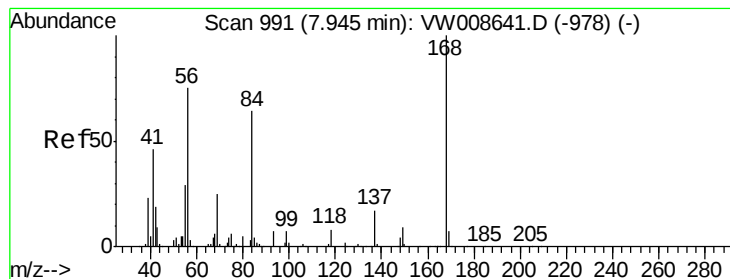
Ion Ratio Lower Upper

42 100

72 43.9 32.2 48.2

71 42.1 31.0 46.6





#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

TS-11

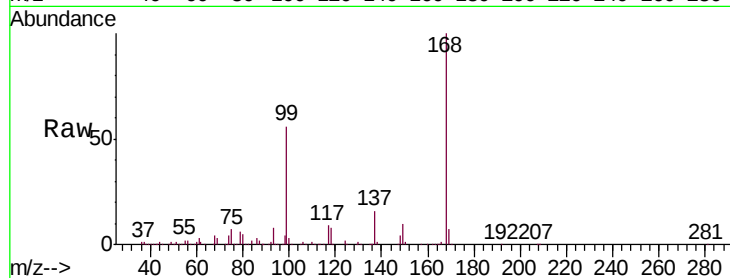
Tgt Ion: 56 Resp: 7970

Ion Ratio Lower Upper

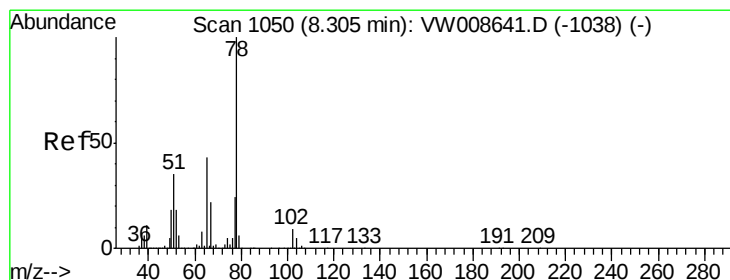
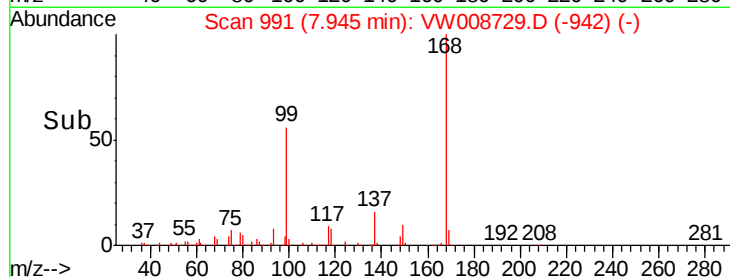
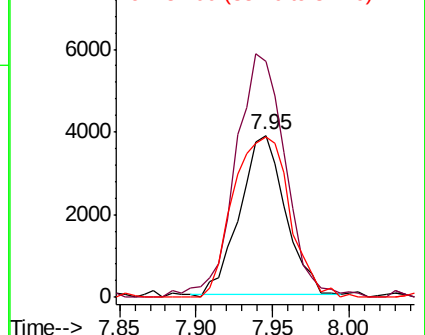
56 100

69 145.7 26.4 39.6#

84 100.8 67.4 101.2



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: 53.605 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008729.D

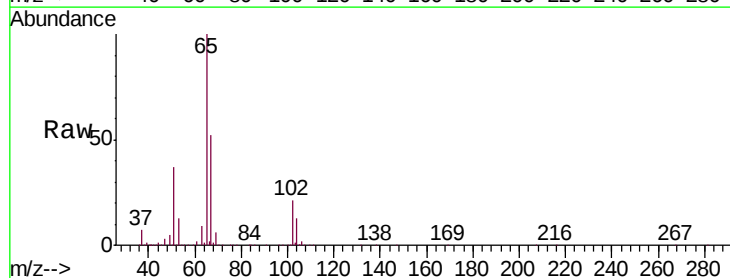
Acq: 18 Feb 2019 15:32

Tgt Ion: 65 Resp: 209282

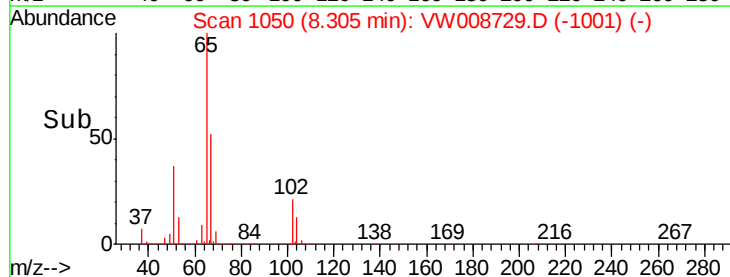
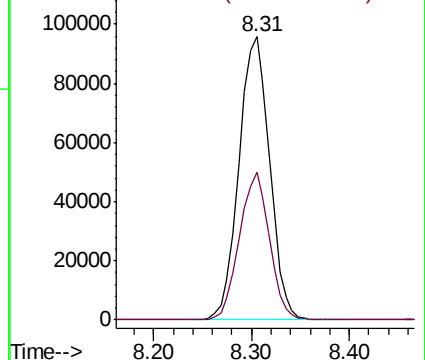
Ion Ratio Lower Upper

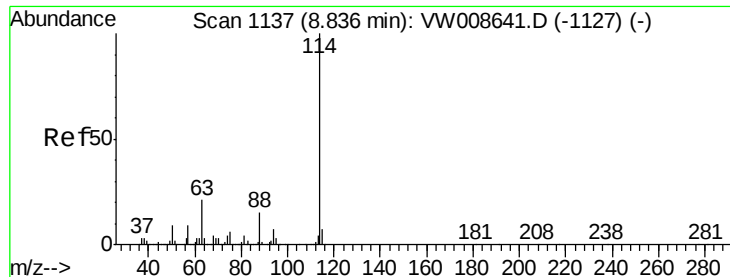
65 100

67 51.1 0.0 102.0



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. 0.01 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

TS-11

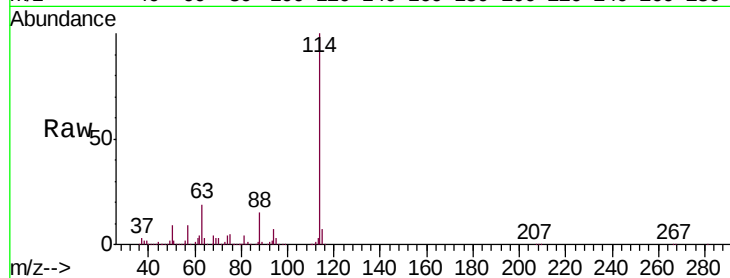
Tgt Ion:114 Resp: 567102

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.2

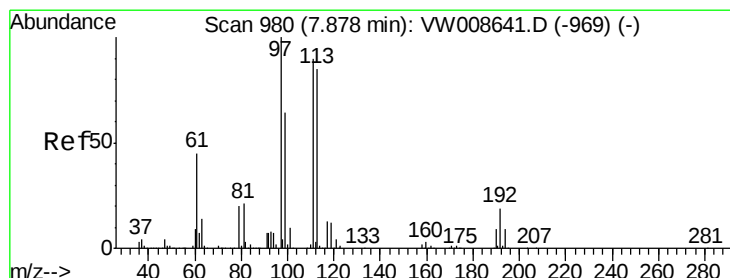
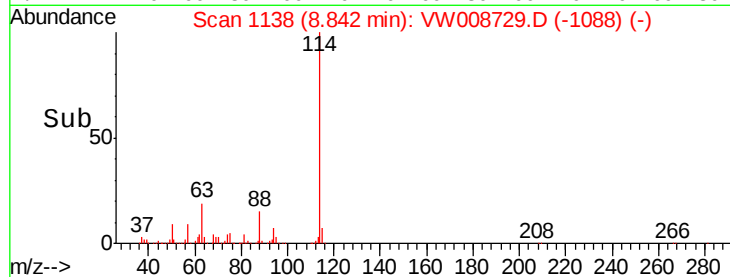
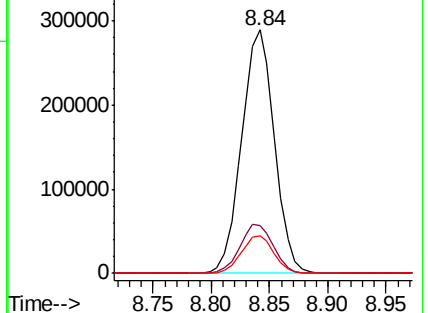
88 15.3 0.0 29.6



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: 51.104 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

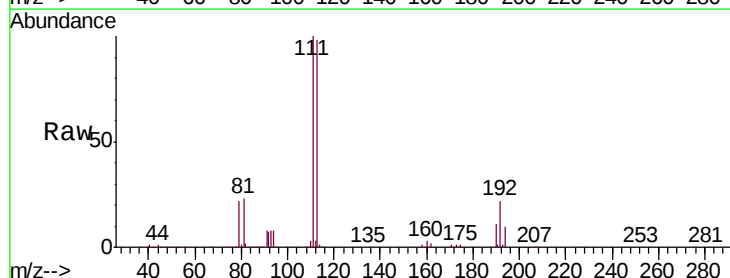
Tgt Ion:113 Resp: 179954

Ion Ratio Lower Upper

113 100

111 102.1 84.0 126.0

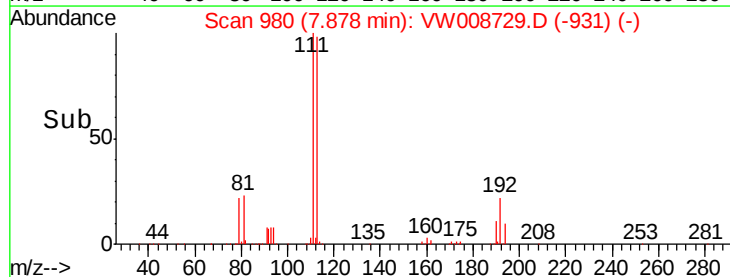
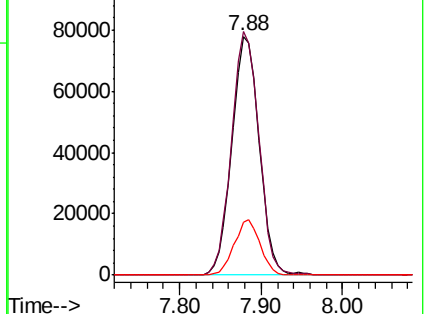
192 22.1 17.4 26.2

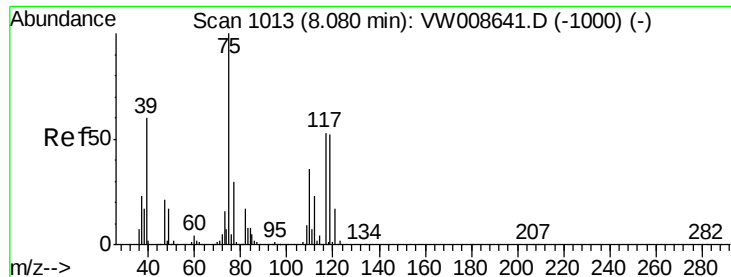


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.873 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

TS-11

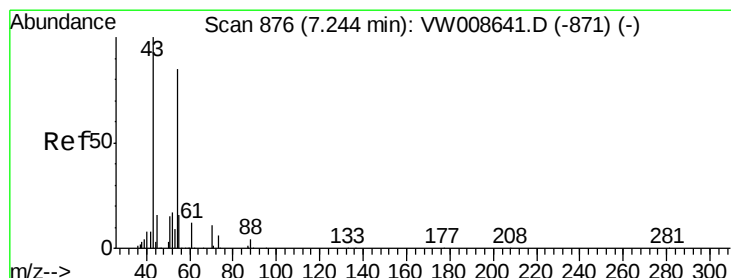
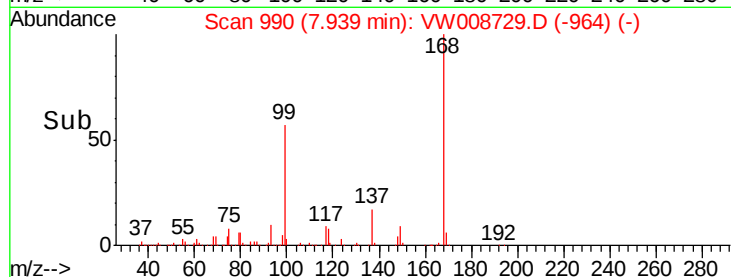
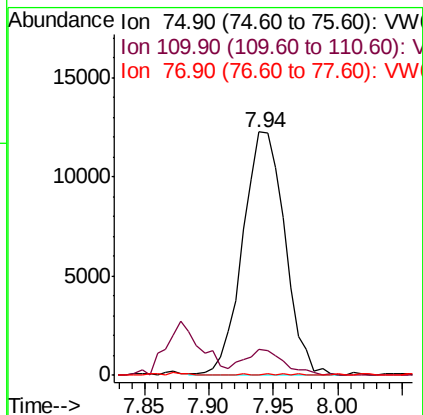
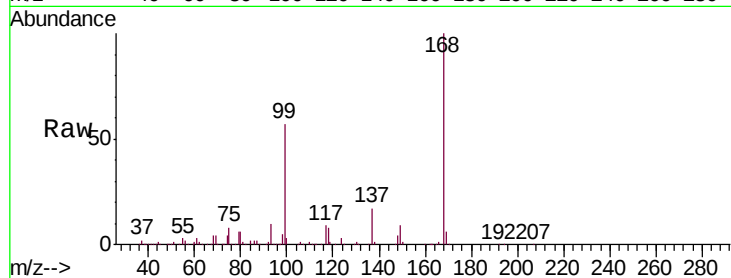
Tgt Ion: 75 Resp: 27766

Ion Ratio Lower Upper

75 100

110 10.3 17.8 53.3#

77 0.1 24.7 37.1#



#37

Ethyl Acetate

Concen: 5.587 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.07 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

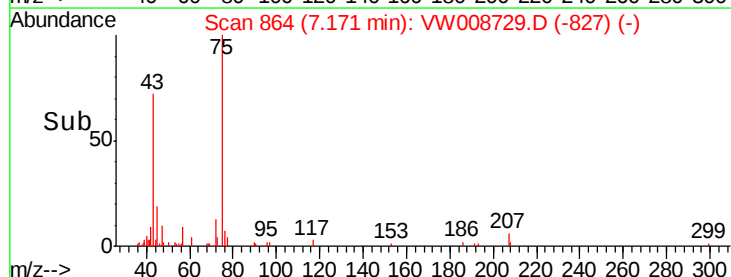
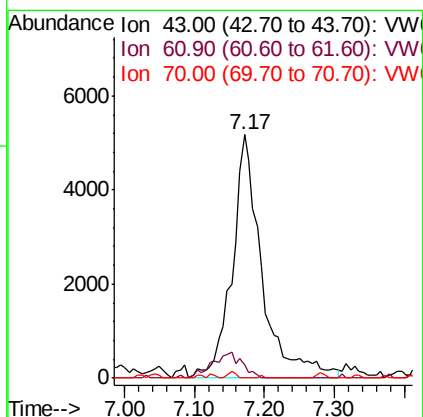
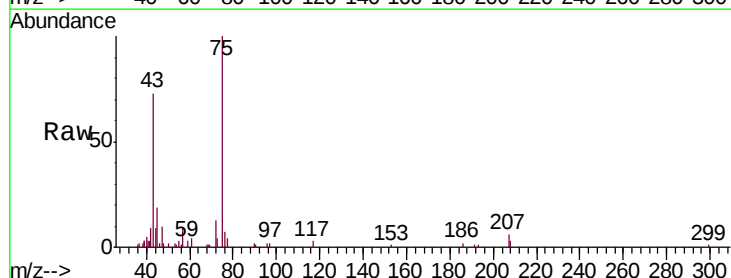
Tgt Ion: 43 Resp: 15356

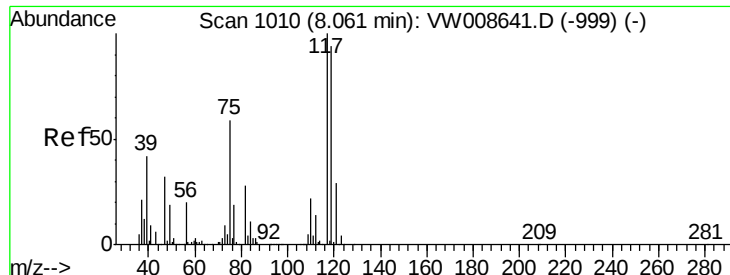
Ion Ratio Lower Upper

43 100

61 10.6 10.5 15.7

70 0.7 8.1 12.1#





#38

Carbon Tetrachloride

Concen: 6.275 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_W

ClientSampled :

TS-11

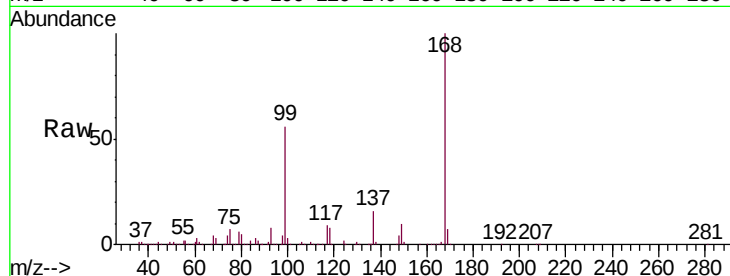
Tgt Ion:117 Resp: 35550

Ion Ratio Lower Upper

117 100

119 4.7 75.1 112.7#

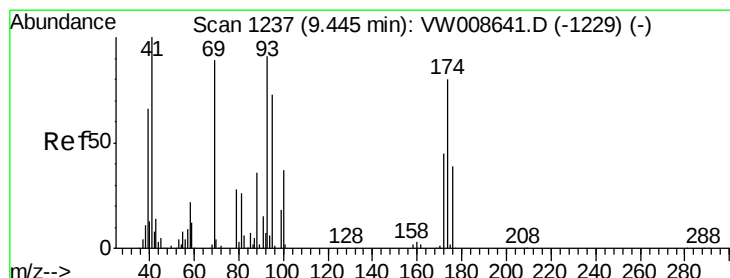
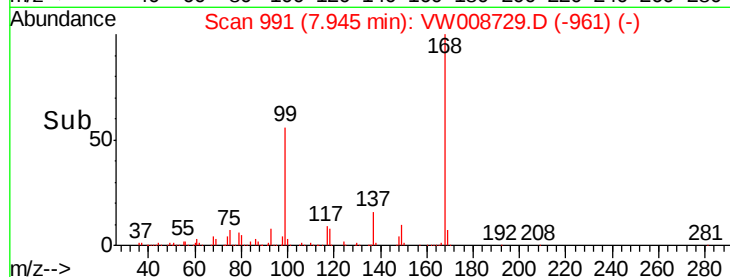
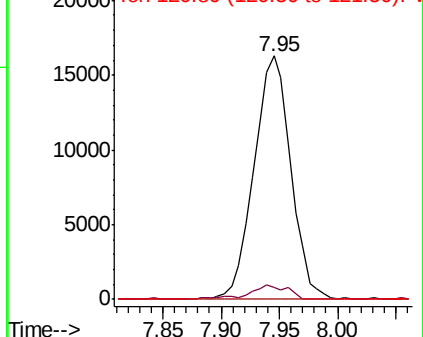
121 0.0 23.5 35.3#



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



#49

1,4-Dioxane

Concen: 1.418 ug/l

RT: 9.51 min Scan# 1247

Delta R.T. 0.06 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

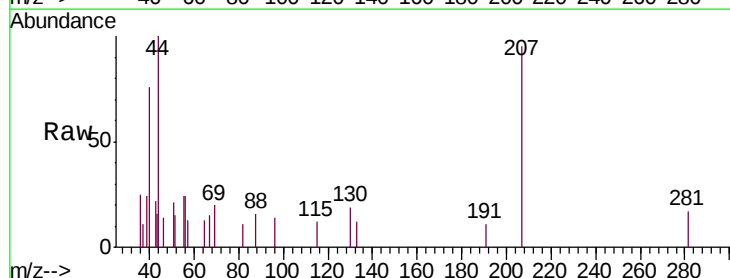
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 693.8 31.0 46.6#

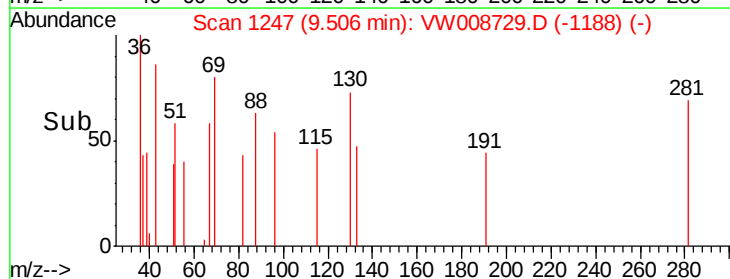
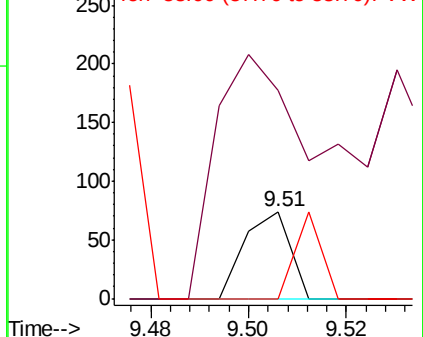
58 56.3 57.0 85.6#

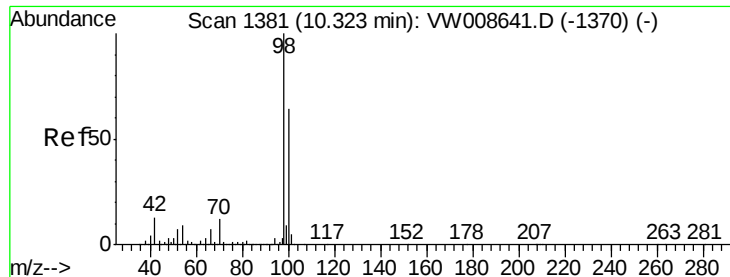


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.694 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

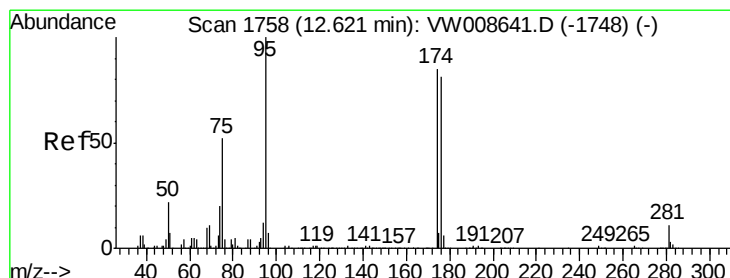
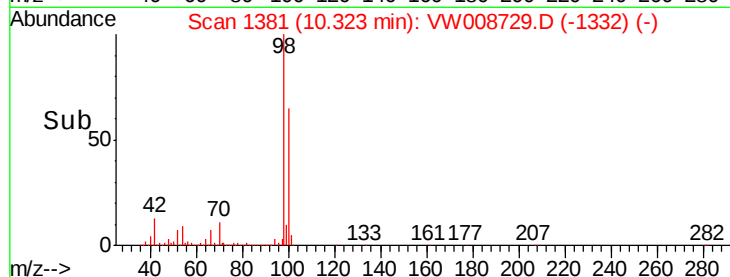
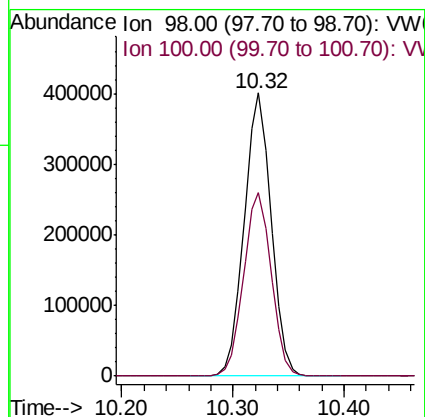
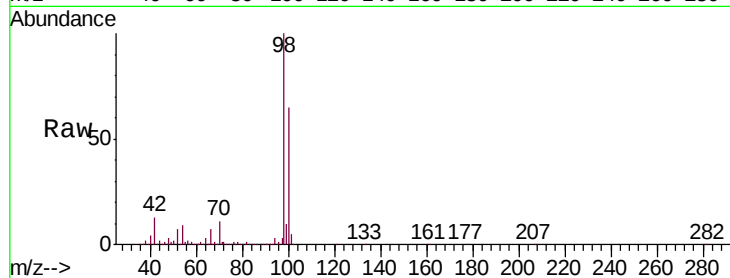
TS-11

Tgt Ion: 98 Resp: 674564

Ion Ratio Lower Upper

98 100

100 66.3 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 47.393 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

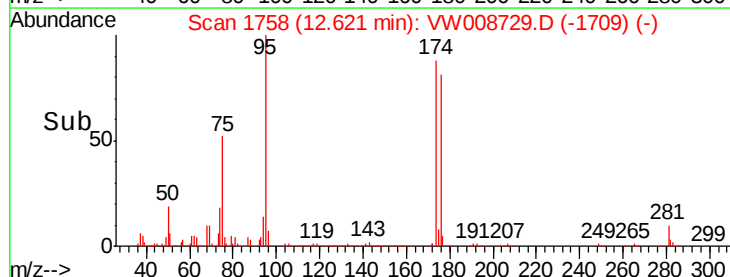
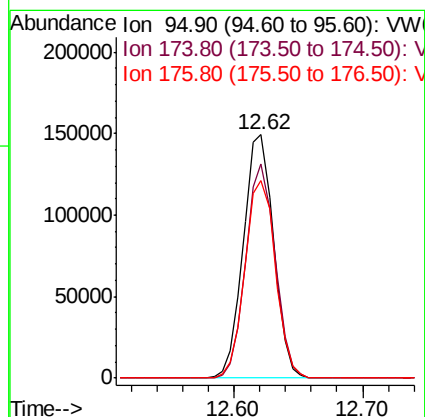
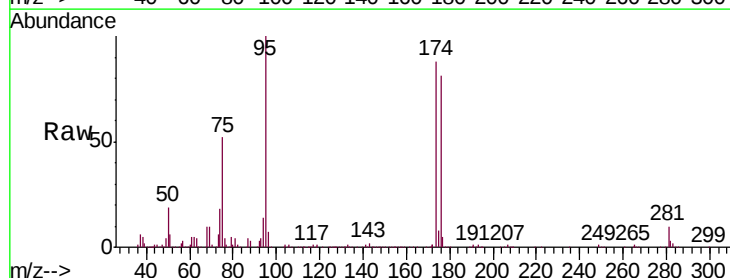
Tgt Ion: 95 Resp: 242322

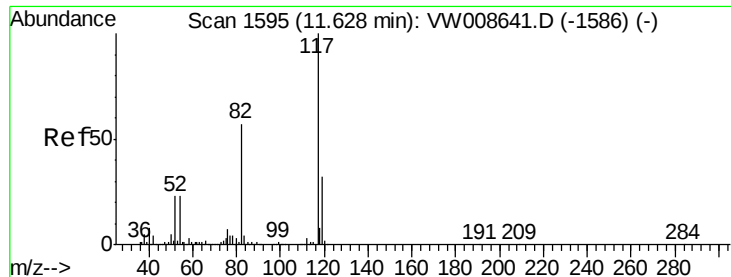
Ion Ratio Lower Upper

95 100

174 85.1 0.0 163.2

176 81.7 0.0 158.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_W

ClientSampled :

TS-11

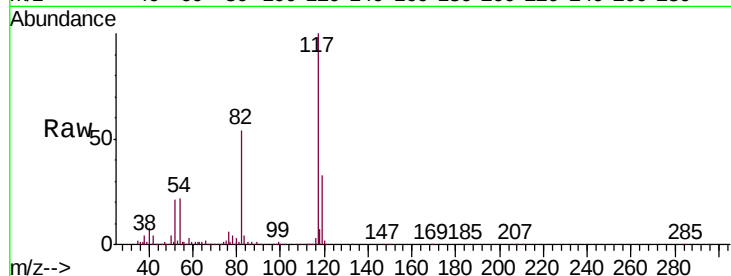
Tgt Ion:117 Resp: 507671

Ion Ratio Lower Upper

117 100

82 53.5 45.6 68.4

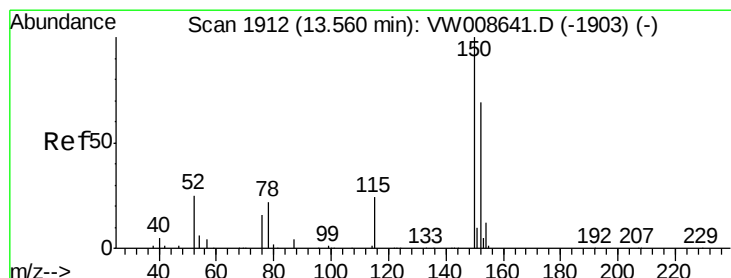
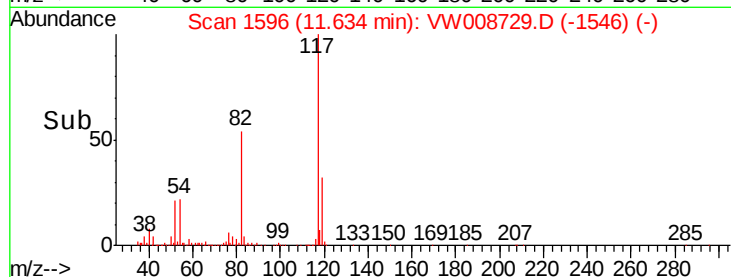
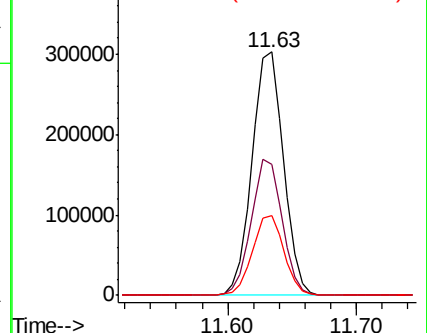
119 32.4 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

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: VW008729.D

Acq: 18 Feb 2019 15:32

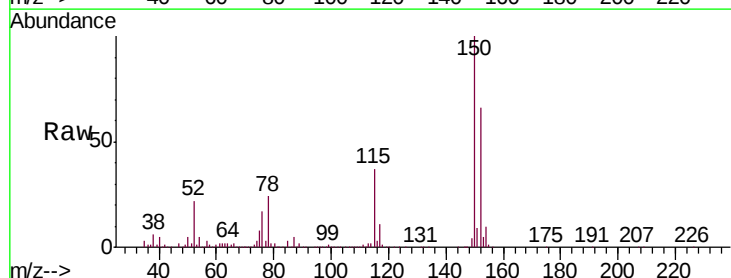
Tgt Ion:152 Resp: 260533

Ion Ratio Lower Upper

152 100

115 56.7 29.3 87.8

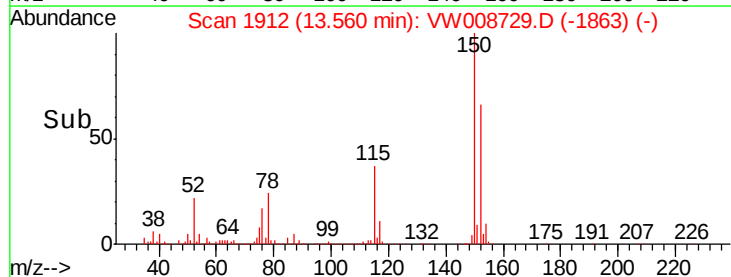
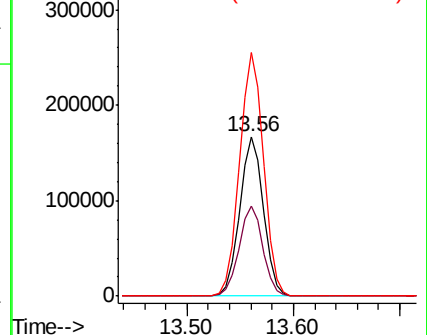
150 154.8 0.0 352.8

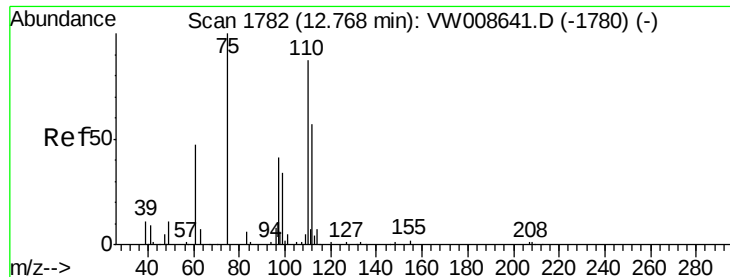


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 49.518 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

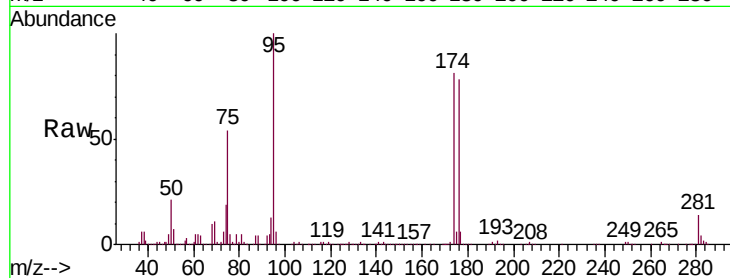
TS-11

Tgt Ion: 75 Resp: 127391

Ion Ratio Lower Upper

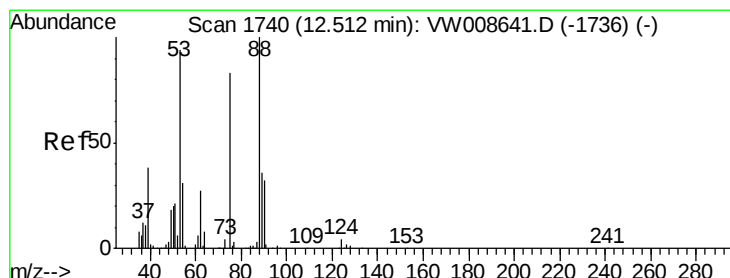
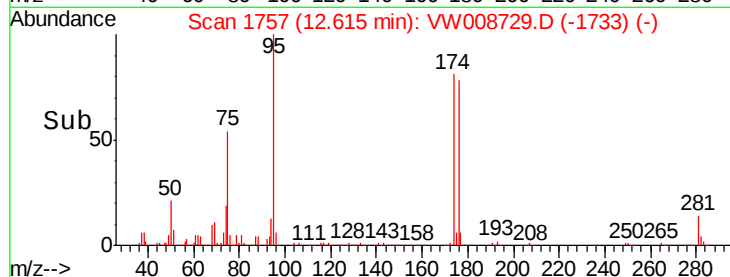
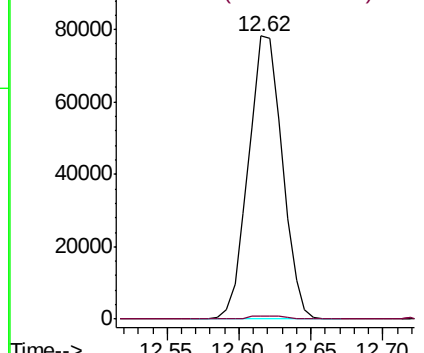
75 100

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: 106.195 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008729.D

Acq: 18 Feb 2019 15:32

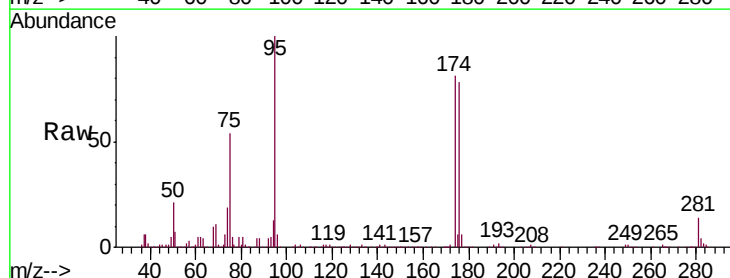
Tgt Ion: 75 Resp: 127391

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.2 37.0 55.4#



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

