

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006116.D
 Acq On : 17 Oct 2018 09:31
 Operator : VA/AP
 Sample : J5518-03
 Misc : 5.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GSTS

Quant Time: Oct 17 11:38:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	171087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	290189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	226286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	89453	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	98876	69.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.42%	
35) Dibromofluoromethane	7.88	113	95620	55.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.52%	
50) Toluene-d8	10.33	98	259760	39.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.64%	
62) 4-Bromofluorobenzene	12.62	95	85003	34.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.38%	

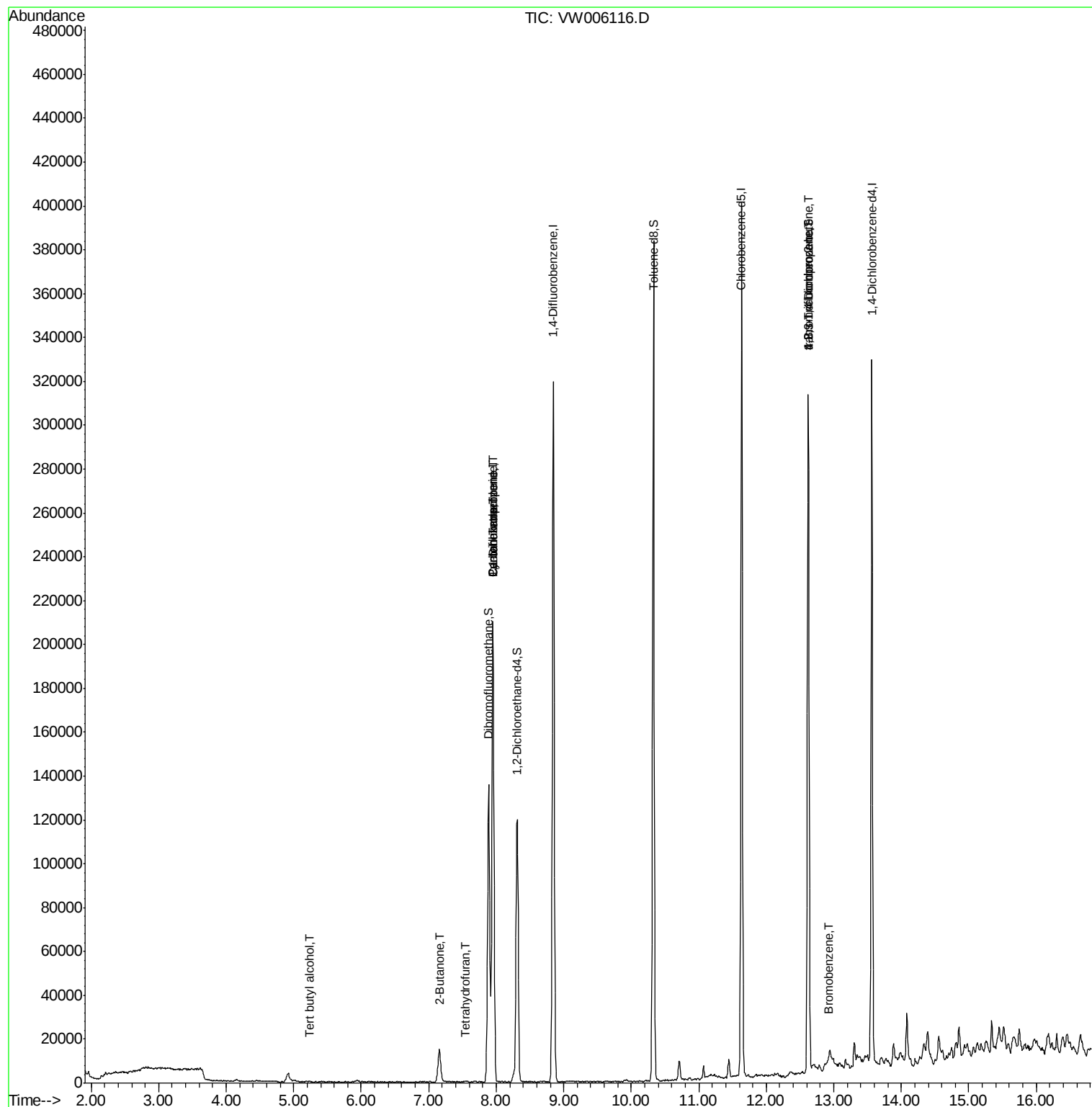
Target Compounds						Qvalue
11) Tert butyl alcohol	5.23	59	194	2.03	ug/l #	71
16) Acetone	4.15	43	1912	Below	Cal #	80
25) 2-Butanone	7.16	43	1295	3.38	ug/l #	79
29) Tetrahydrofuran	7.55	42	340	1.44	ug/l #	37
31) Cyclohexane	7.95	56	3395	1.31	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	11215	4.19	ug/l #	49
38) Carbon Tetrachloride	7.95	117	15080	5.14	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	43778	64.07	ug/l #	100
77) Bromobenzene	12.91	156	1955	1.26	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	43778	153.16	ug/l #	10

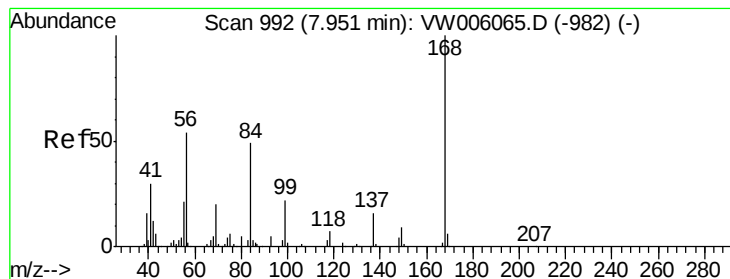
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GSTS

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Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006116.D

Acq: 17 Oct 2018 09:31

Instrument :

MSVOA_W

ClientSampled :

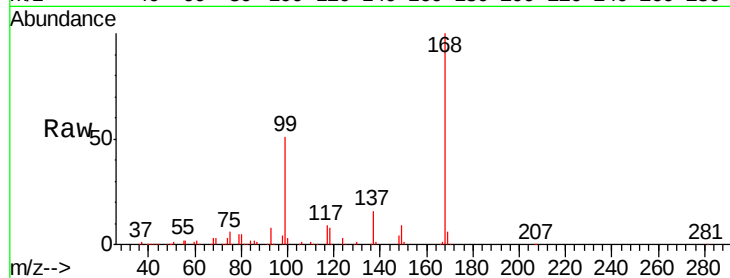
GSTS

Tgt Ion:168 Resp: 171087

Ion Ratio Lower Upper

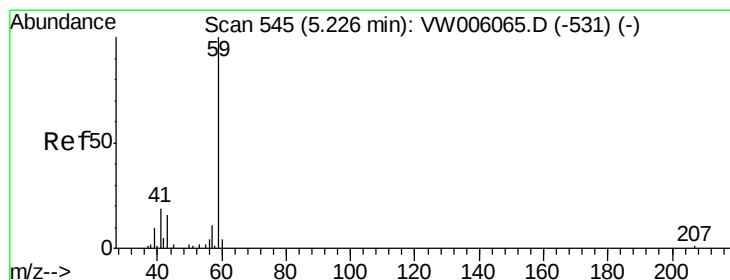
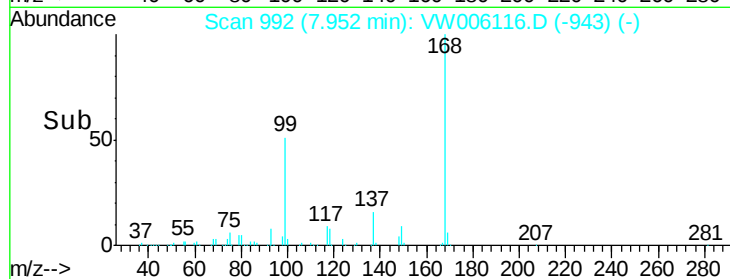
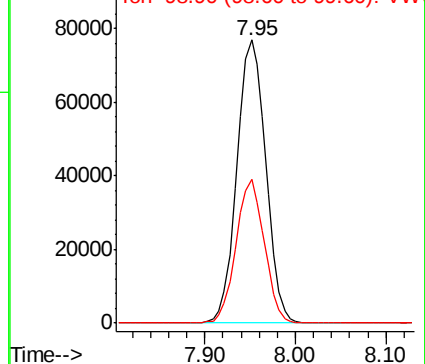
168 100

99 50.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.03 ug/l

RT: 5.23 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW006116.D

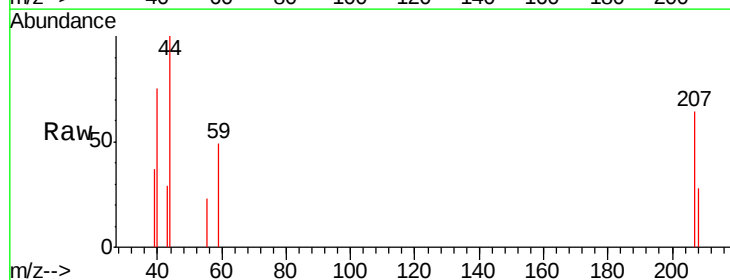
Acq: 17 Oct 2018 09:31

Tgt Ion: 59 Resp: 194

Ion Ratio Lower Upper

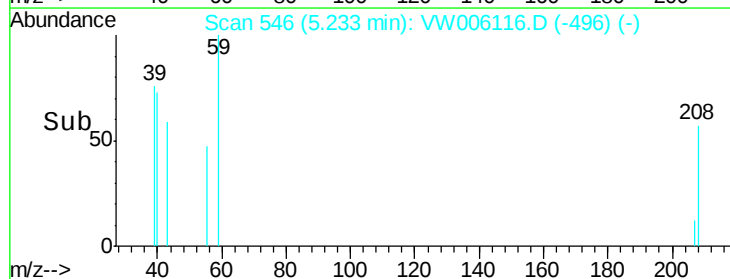
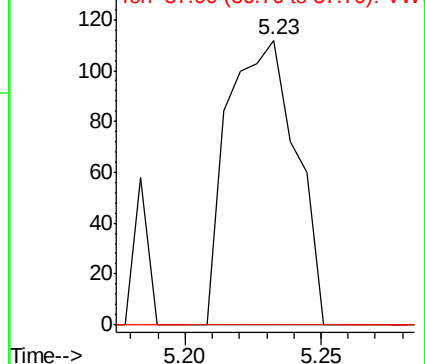
59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW006116.D

Acq: 17 Oct 2018 09:31

Instrument :

MSVOA_W

ClientSampled :

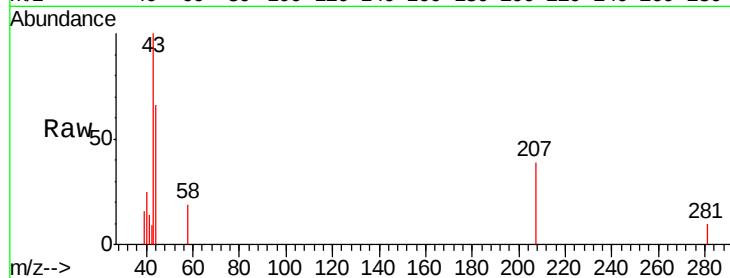
GSTS

Tgt Ion: 43 Resp: 1912

Ion Ratio Lower Upper

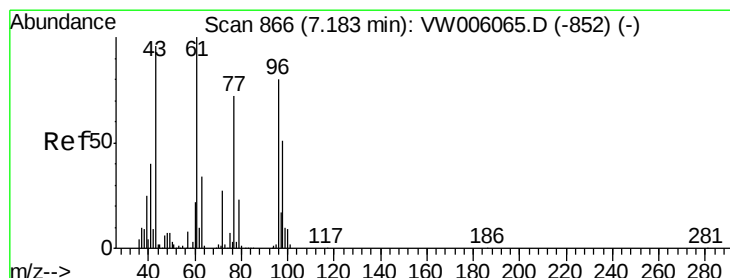
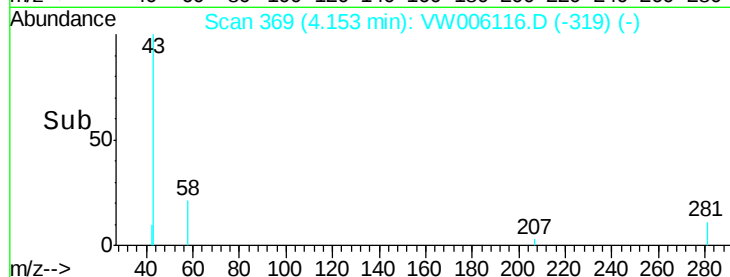
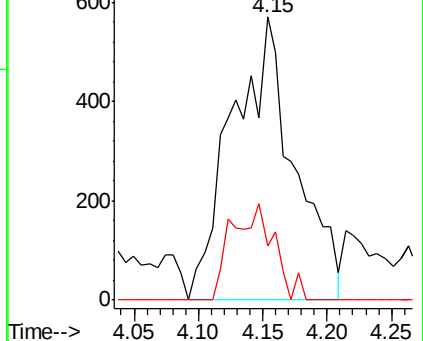
43 100

58 19.3 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 3.38 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW006116.D

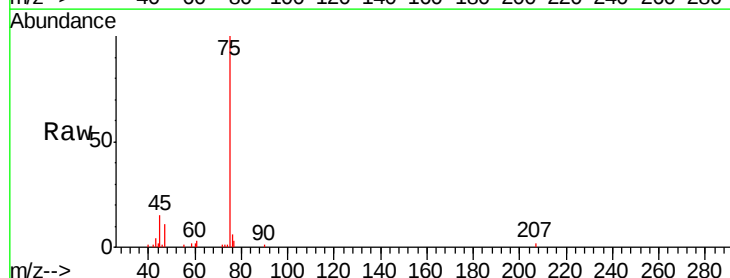
Acq: 17 Oct 2018 09:31

Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

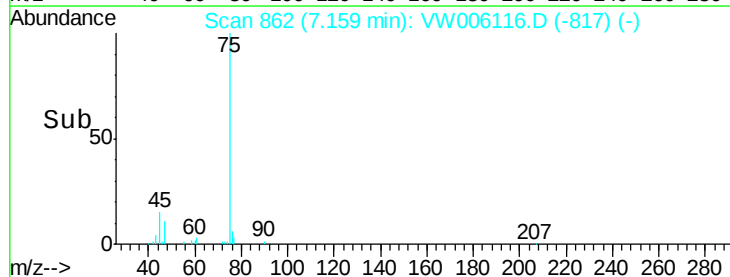
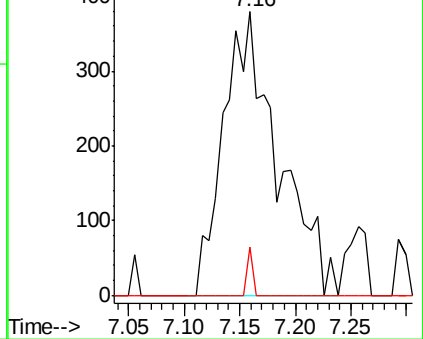
43 100

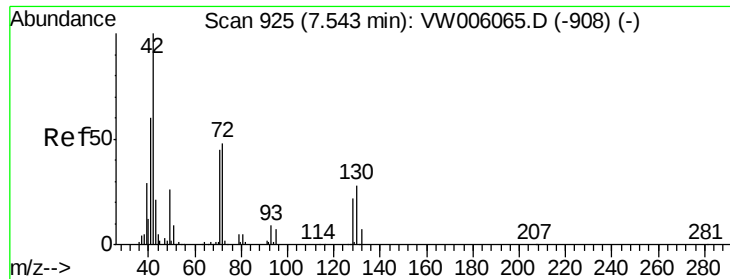
72 17.2 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

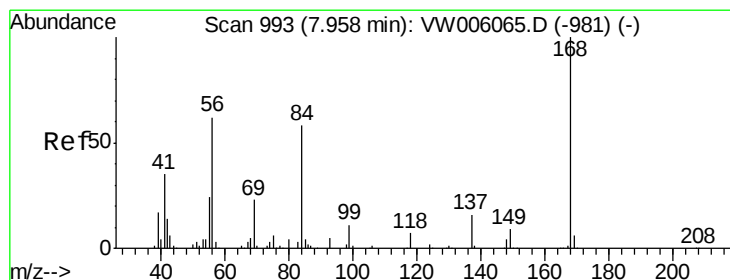
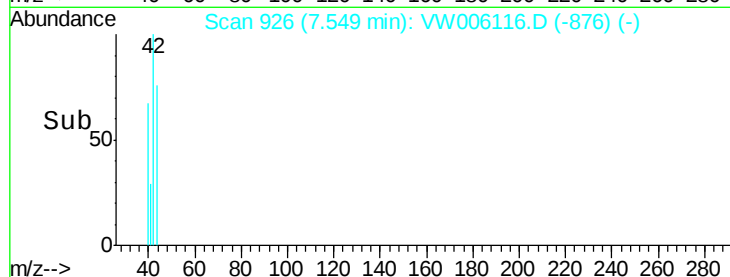
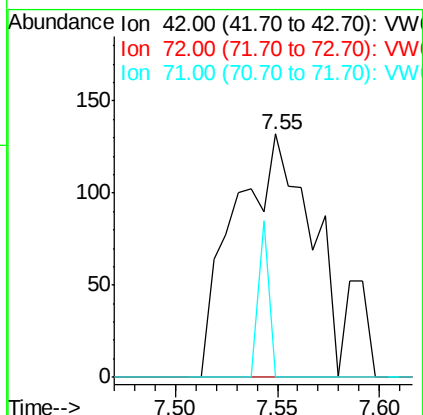
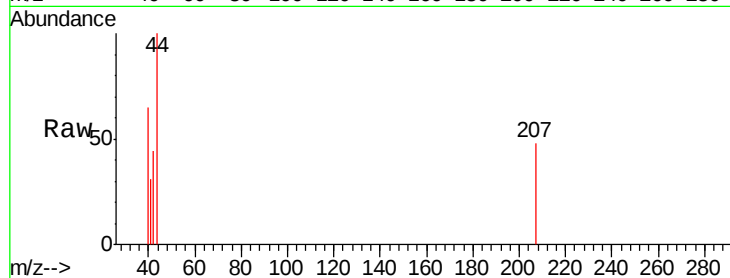




#29
Tetrahydrofuran
Concen: 1.44 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW006116.D
Acq: 17 Oct 2018 09:31

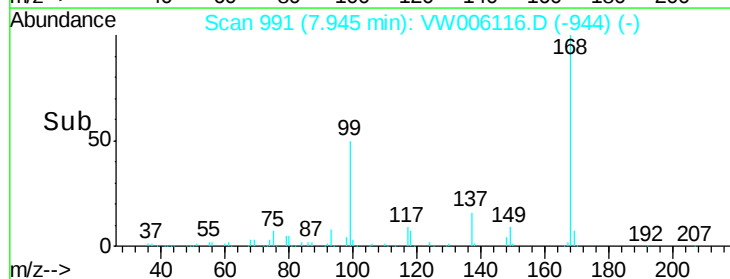
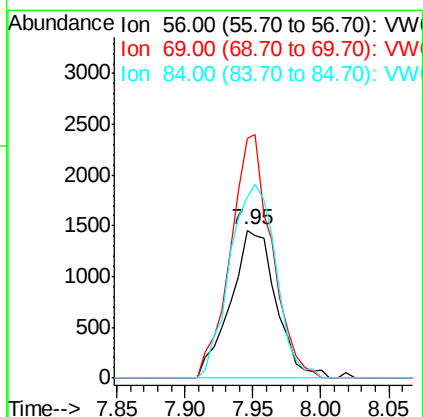
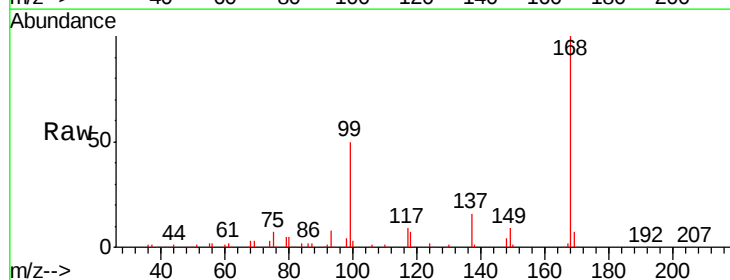
Instrument :
MSVOA_W
ClientSampleId :
GSTS

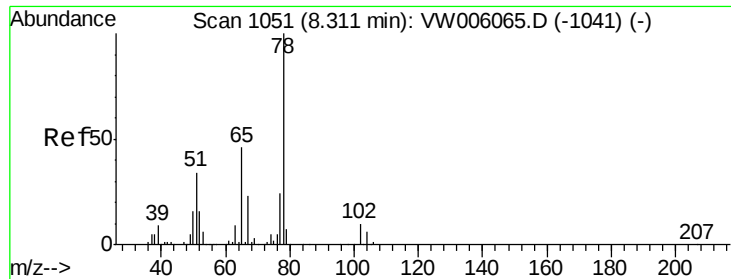
Tgt Ion: 42 Resp: 340
Ion Ratio Lower Upper
42 100
72 0.0 38.0 57.0#
71 9.1 35.3 52.9#



#31
Cyclohexane
Concen: 1.31 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006116.D
Acq: 17 Oct 2018 09:31

Tgt Ion: 56 Resp: 3395
Ion Ratio Lower Upper
56 100
69 162.0 29.4 44.0#
84 122.2 74.0 111.0#

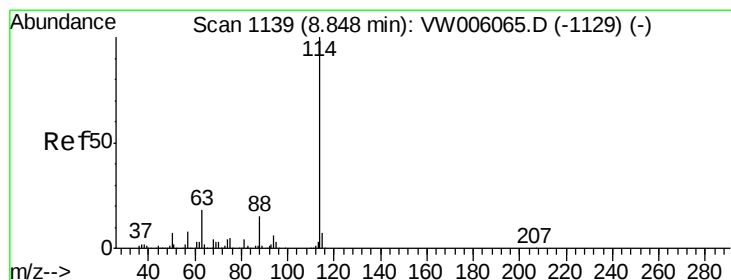
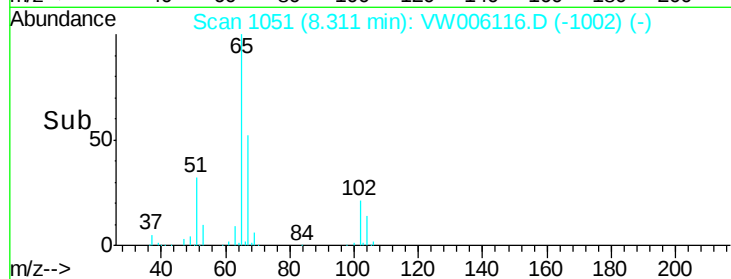
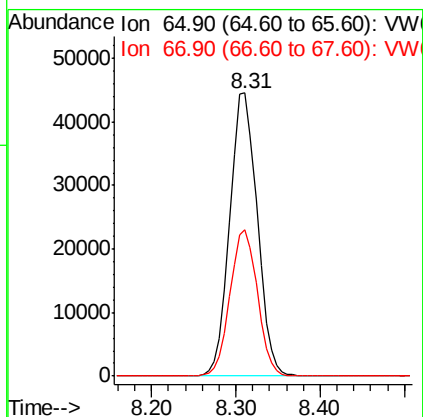
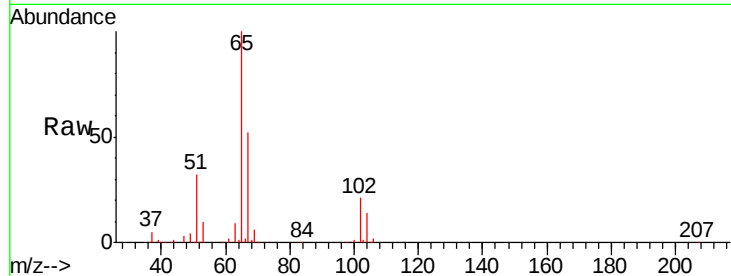




#33
 1,2-Dichloroethane-d4
 Concen: 69.71 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006116.D
 Acq: 17 Oct 2018 09:31

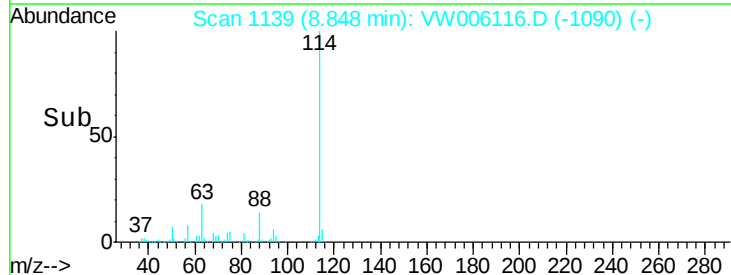
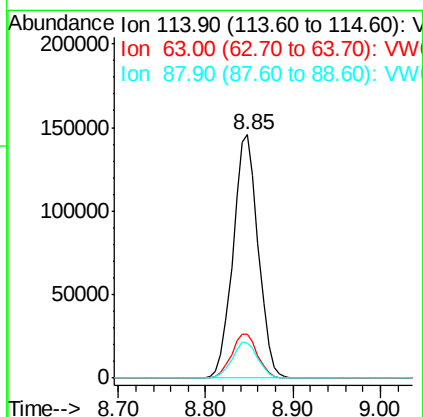
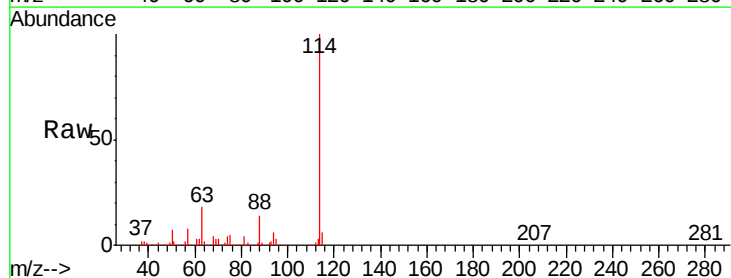
Instrument :
 MSVOA_W
 ClientSampled :
 GSTS

Tgt Ion: 65 Resp: 98876
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006116.D
 Acq: 17 Oct 2018 09:31

Tgt Ion: 114 Resp: 290189
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.8
 88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 55.76 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006116.D

Acq: 17 Oct 2018 09:31

Instrument :
MSVOA_W
ClientSampled :
GSTS

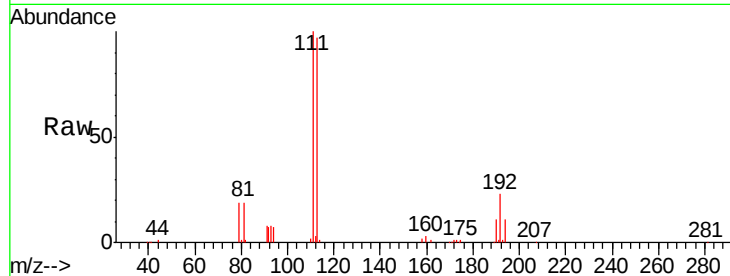
Tgt Ion:113 Resp: 95620

Ion Ratio Lower Upper

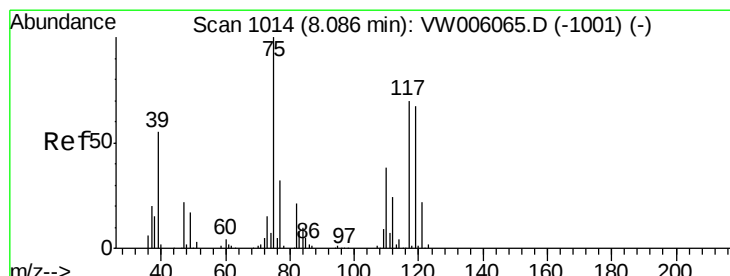
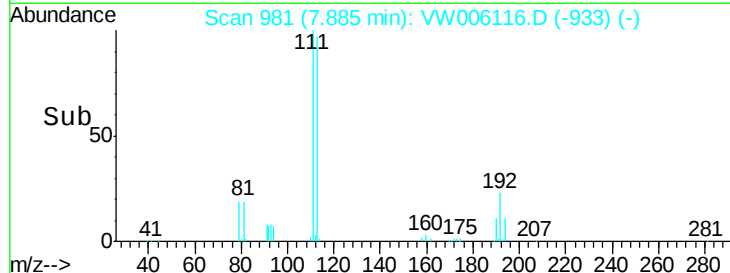
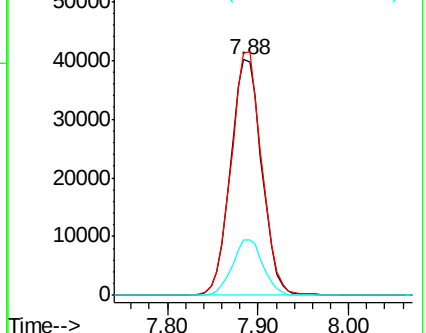
113 100

111 101.6 81.4 122.0

192 23.2 18.7 28.1



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: 4.19 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW006116.D

Acq: 17 Oct 2018 09:31

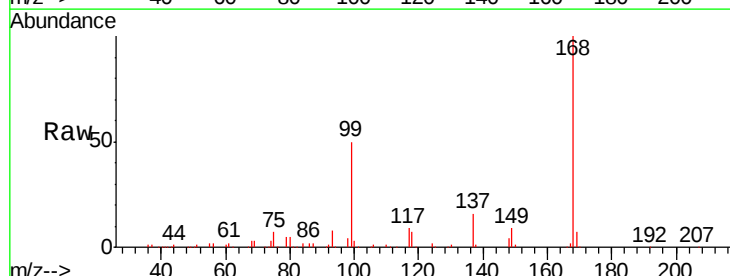
Tgt Ion: 75 Resp: 11215

Ion Ratio Lower Upper

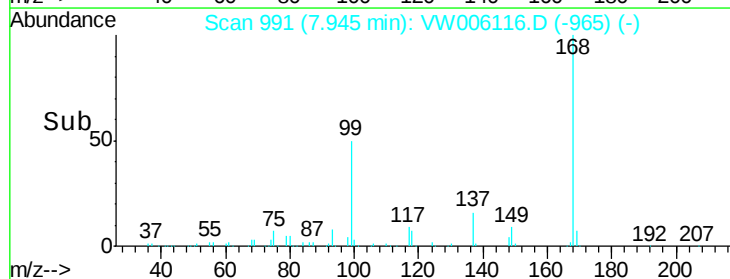
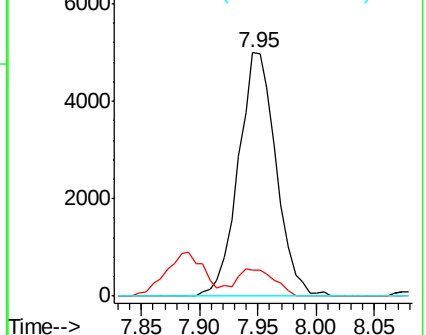
75 100

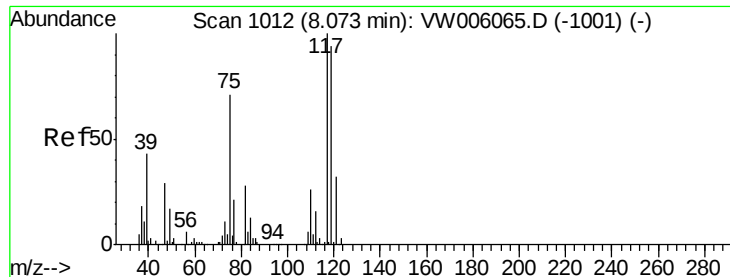
110 10.5 19.1 57.1#

77 0.0 25.0 37.4#



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): VW





#38

Carbon Tetrachloride

Concen: 5.14 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006116.D

Acq: 17 Oct 2018 09:31

Instrument :

MSVOA_W

ClientSampleId :

GSTS

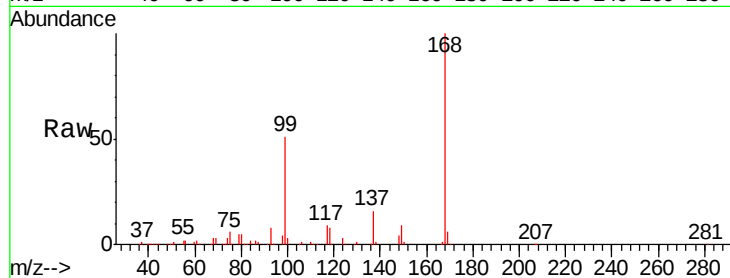
Tgt Ion:117 Resp: 15080

Ion Ratio Lower Upper

117 100

119 4.2 75.2 112.8#

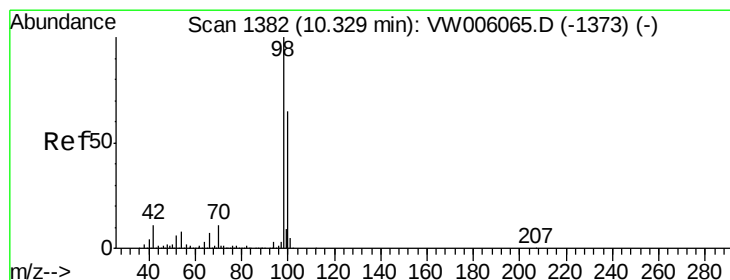
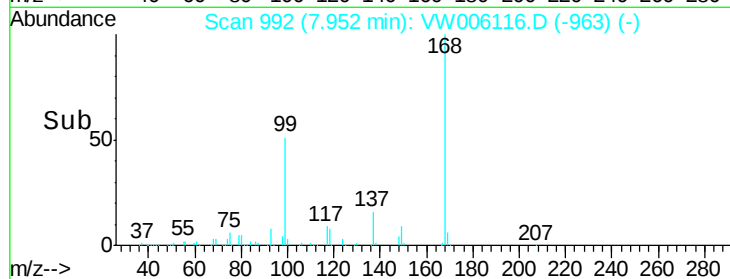
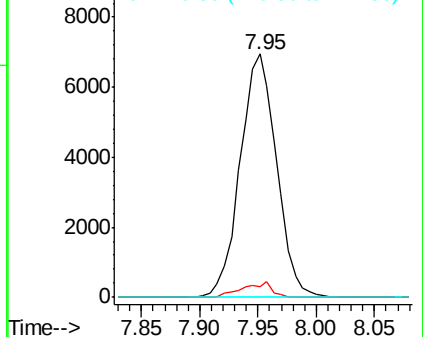
121 0.0 25.3 37.9#



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: 39.82 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006116.D

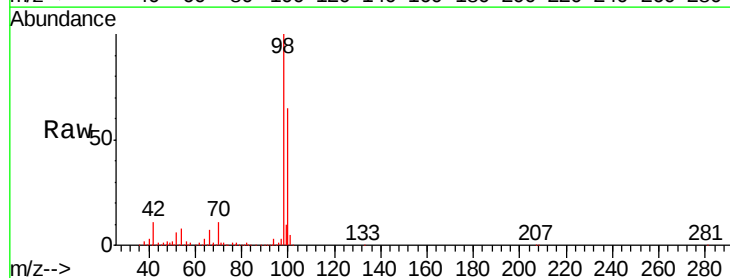
Acq: 17 Oct 2018 09:31

Tgt Ion: 98 Resp: 259760

Ion Ratio Lower Upper

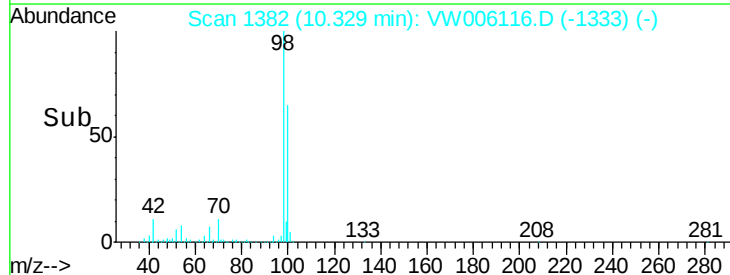
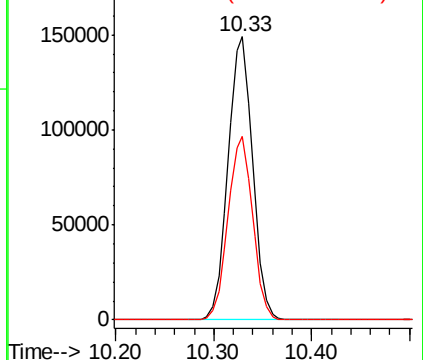
98 100

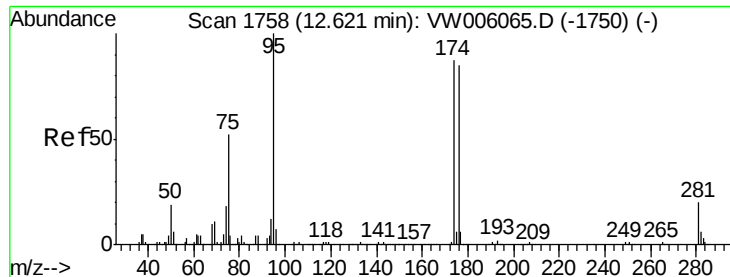
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 34.69 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006116.D

Acq: 17 Oct 2018 09:31

Instrument :

MSVOA_W

ClientSampleId :

GSTS

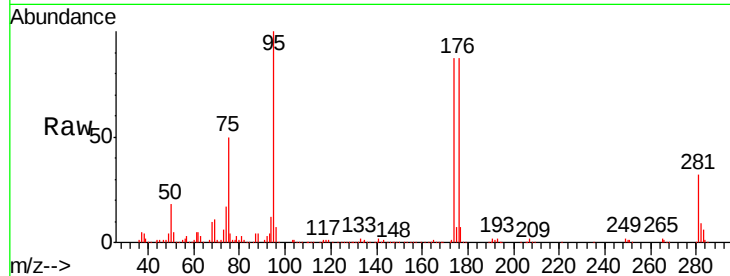
Tgt Ion: 95 Resp: 85003

Ion Ratio Lower Upper

95 100

174 92.9 0.0 186.0

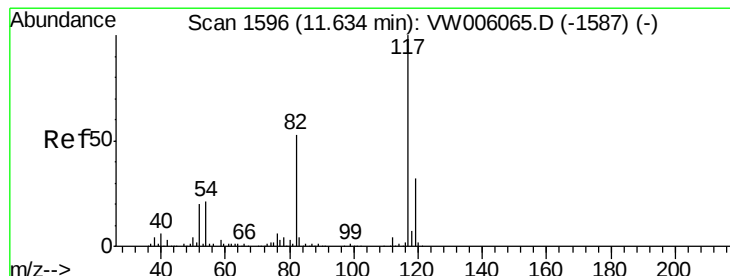
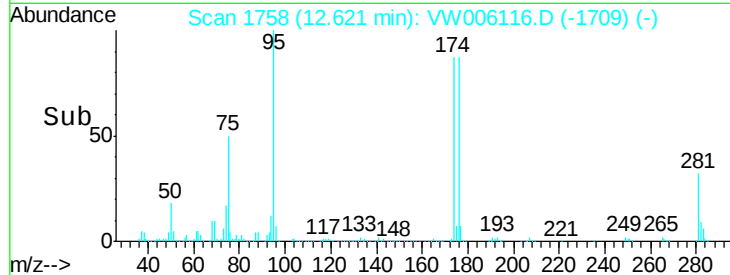
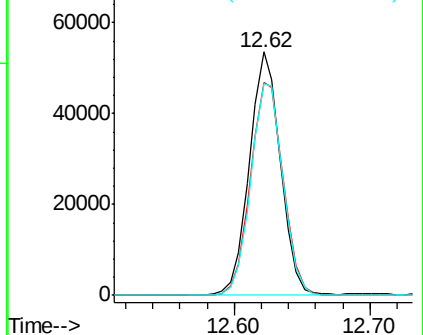
176 91.0 0.0 181.6



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: 50.00 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006116.D

Acq: 17 Oct 2018 09:31

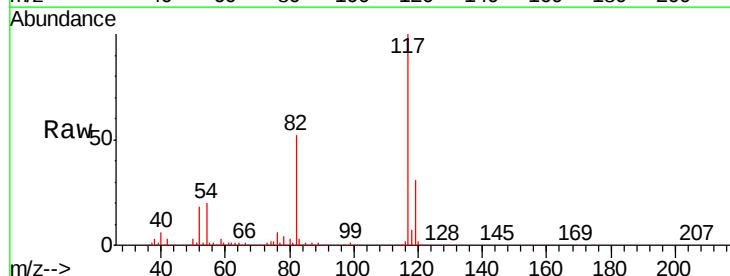
Tgt Ion: 117 Resp: 226286

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

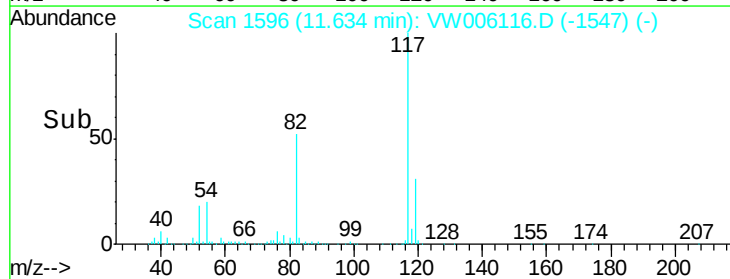
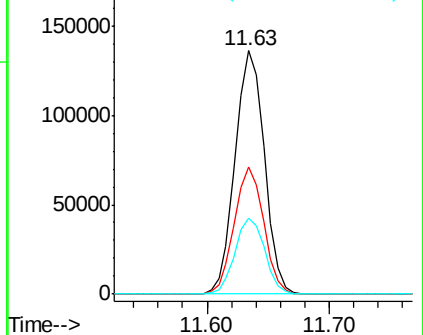
119 31.3 25.8 38.6

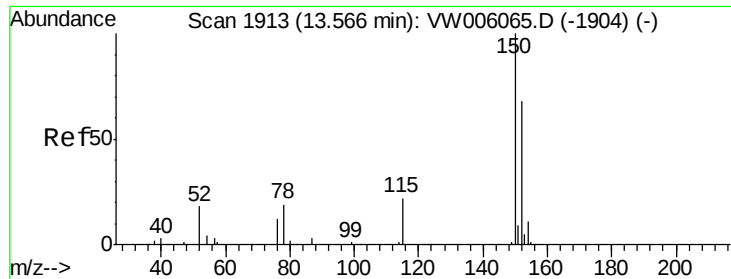


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

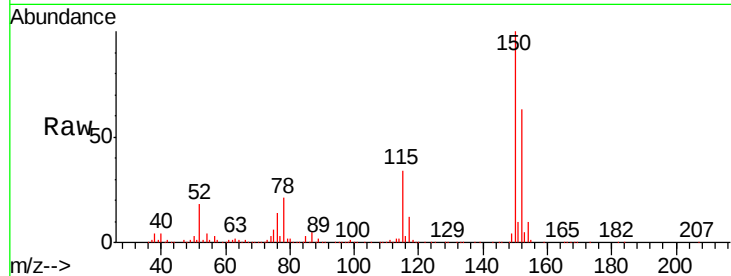




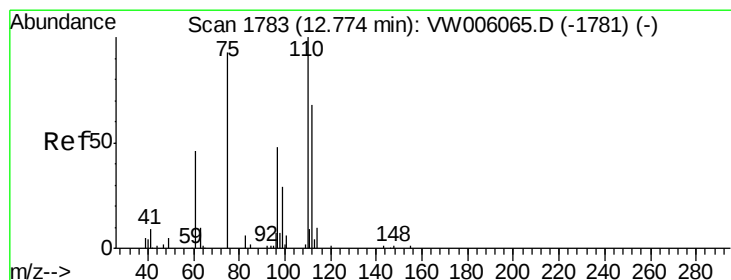
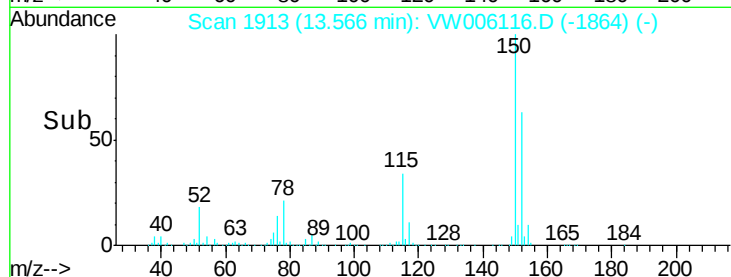
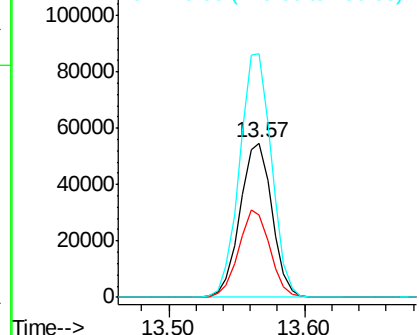
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VW006116.D
 Acq: 17 Oct 2018 09:31

Instrument :
 MSVOA_W
 ClientSampleId :
 GSTS

Tgt Ion:152 Resp: 89453
 Ion Ratio Lower Upper
 152 100
 115 55.1 27.8 83.3
 150 158.4 0.0 349.2

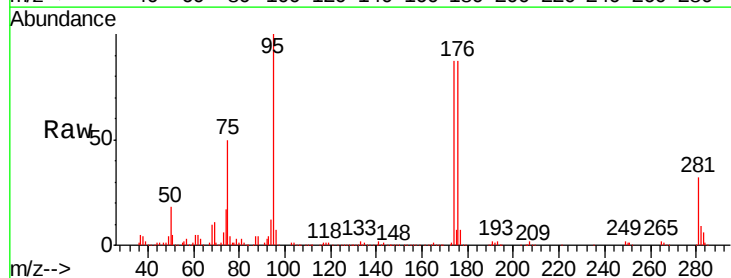


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

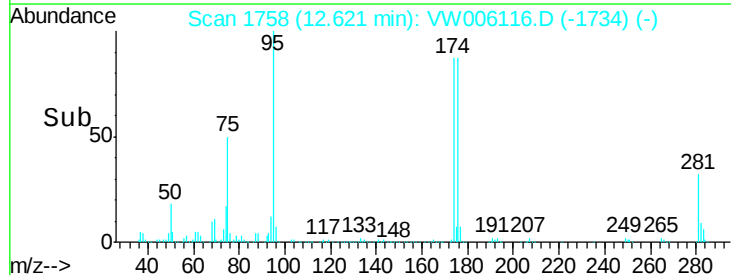
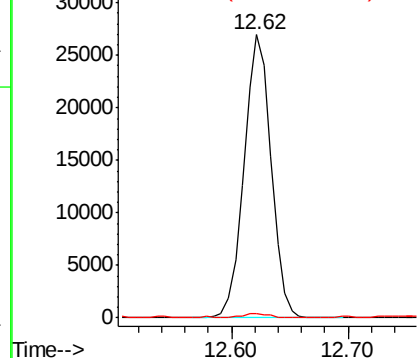


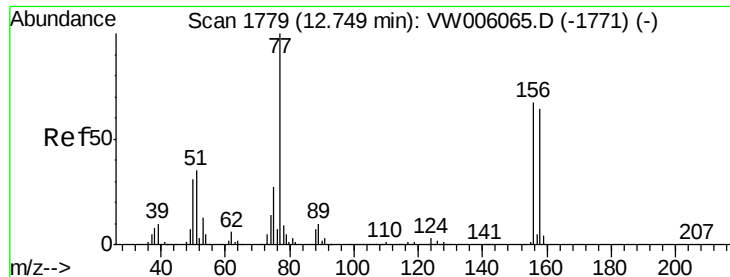
#76
 1,2,3-Trichloropropane
 Concen: 64.07 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006116.D
 Acq: 17 Oct 2018 09:31

Tgt Ion: 75 Resp: 43778
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.26 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.16 min

Lab File: VW006116.D

Acq: 17 Oct 2018 09:31

Instrument :

MSVOA_W

ClientSampled :

GSTS

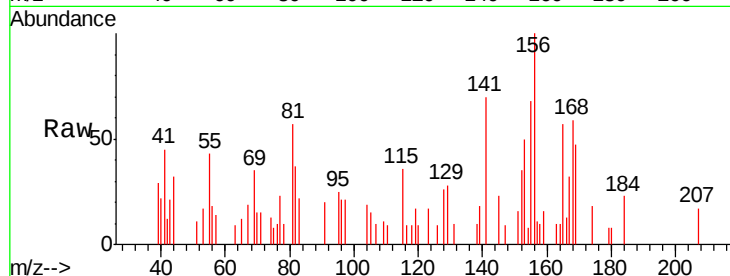
Tgt Ion:156 Resp: 1955

Ion Ratio Lower Upper

156 100

77 0.0 79.1 237.4#

158 2.7 48.5 145.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

12.91

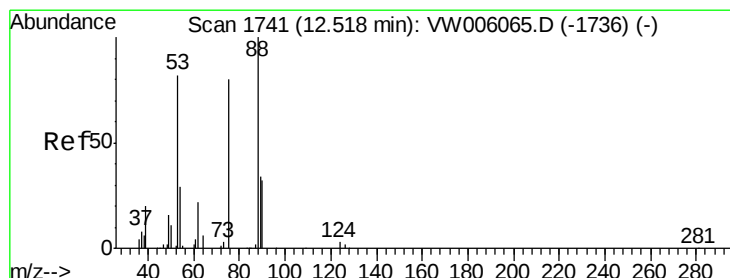
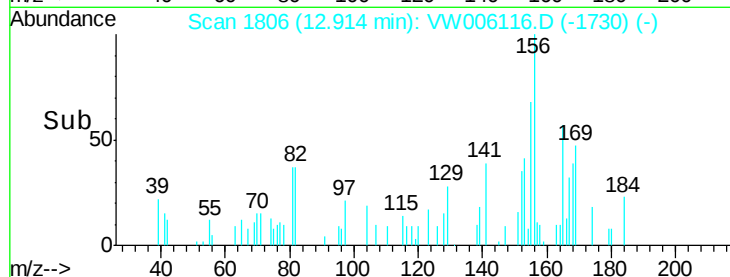
600

400

200

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 153.16 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006116.D

Acq: 17 Oct 2018 09:31

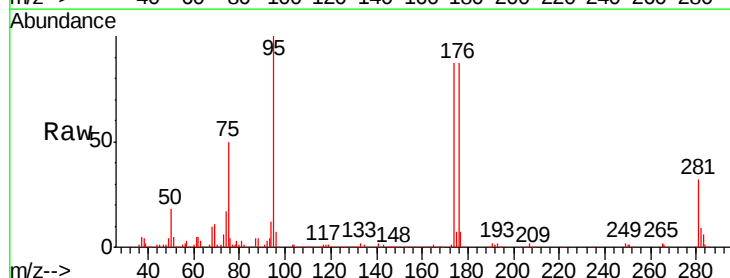
Tgt Ion: 75 Resp: 43778

Ion Ratio Lower Upper

75 100

53 0.3 79.8 119.6#

89 0.2 37.5 56.3#



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

12.62

30000

20000

10000

0

Time-->

