

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006129.D
 Acq On : 17 Oct 2018 16:27
 Operator : VA/AP
 Sample : J5526-21RE
 Misc : 5.48G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-4A-G-101518-6

Quant Time: Oct 18 10:42:44 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	270529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	383197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	121033	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	116636	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
35) Dibromofluoromethane	7.89	113	113590	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.33	98	390786	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
62) 4-Bromofluorobenzene	12.62	95	119920	37.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.12%	

Target Compounds						Qvalue
8) Diethyl Ether	3.68	74	1830	1.50	ug/l	67
11) Tert butyl alcohol	5.17	59	285	1.89	ug/l #	71
16) Acetone	4.12	43	683	Below Cal	#	79
20) Methylene Chloride	4.91	84	13125	4.03	ug/l	95
29) Tetrahydrofuran	7.54	42	431	1.16	ug/l #	31
31) Cyclohexane	7.95	56	4867	1.19	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	17430	4.93	ug/l #	49
38) Carbon Tetrachloride	7.95	117	24486	6.32	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	1777	1.32	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	61907	66.97	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61907	160.08	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006129.D

Acq: 17 Oct 2018 16:27

Instrument :

MSVOA_W

ClientSampleId :

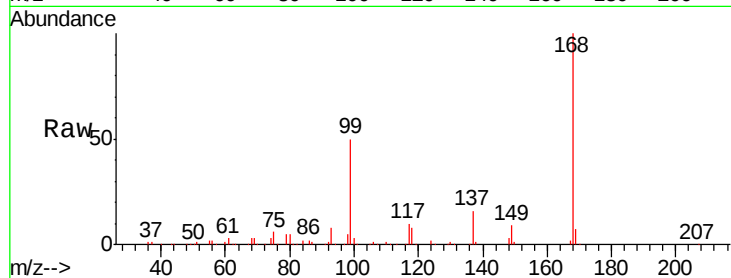
SUP-4A-G-101518-6

Tgt Ion:168 Resp: 270529

Ion Ratio Lower Upper

168 100

99 50.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

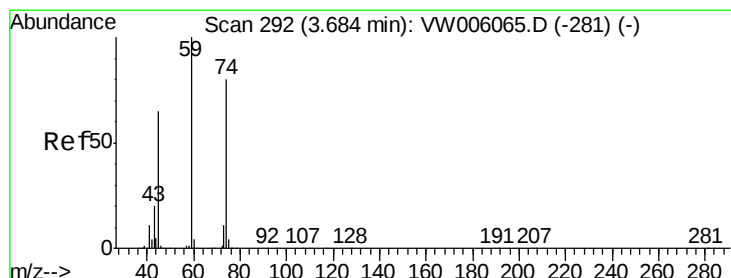
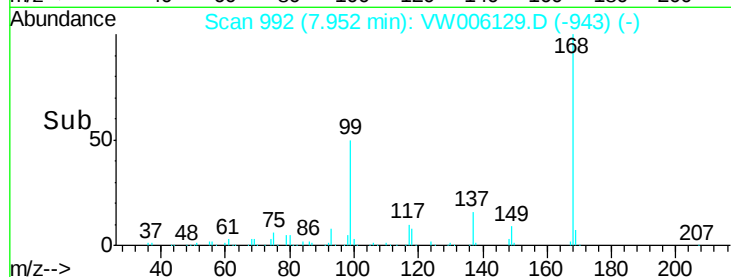
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.50 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW006129.D

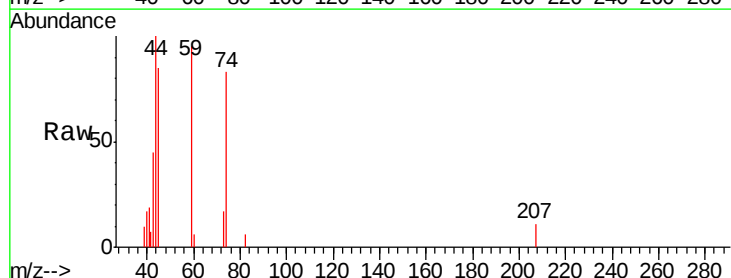
Acq: 17 Oct 2018 16:27

Tgt Ion: 74 Resp: 1830

Ion Ratio Lower Upper

74 100

45 115.8 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

600

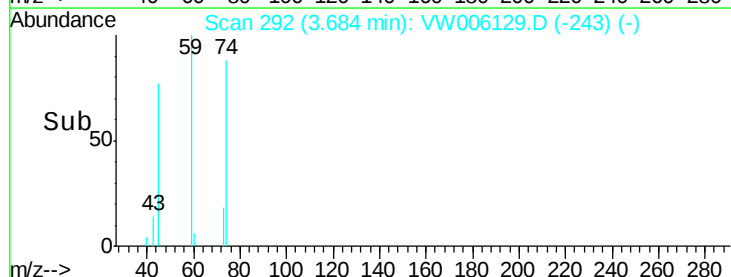
400

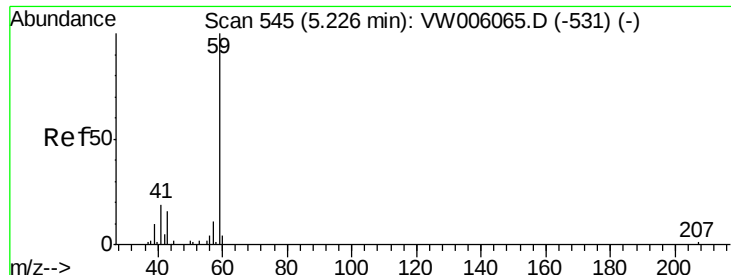
200

0

3.60 3.65 3.70 3.75

Time-->



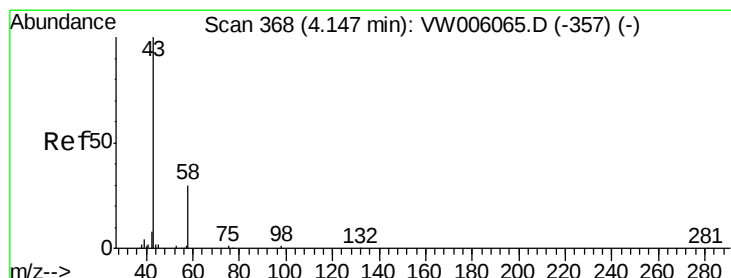
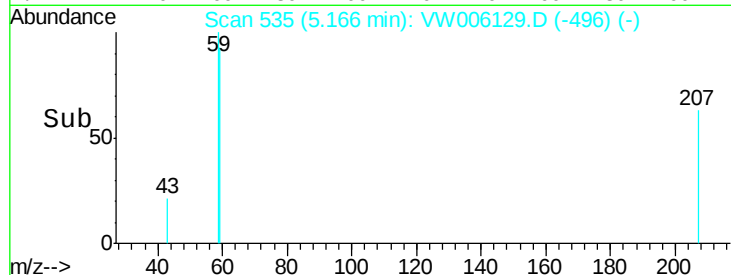
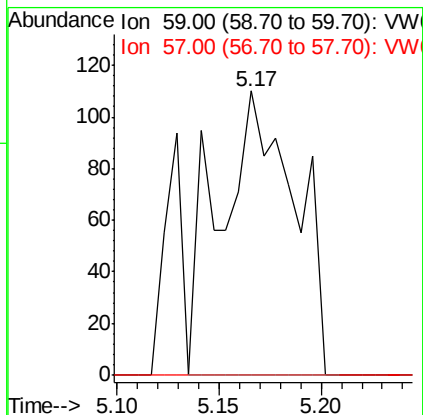
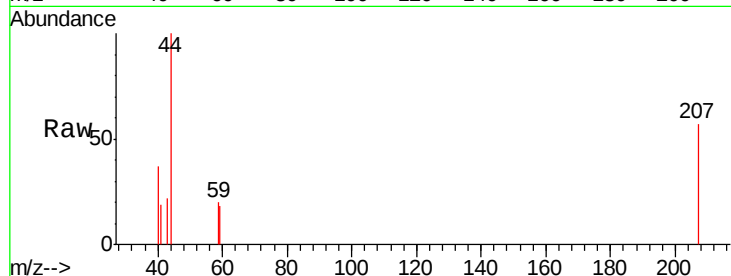


#11

Tert butyl alcohol
 Concen: 1.89 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.06 min
 Lab File: VW006129.D
 Acq: 17 Oct 2018 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-4A-G-101518-6

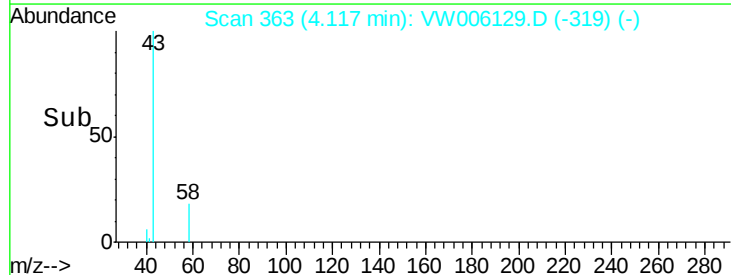
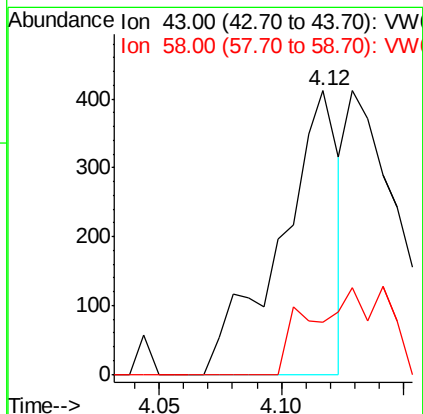
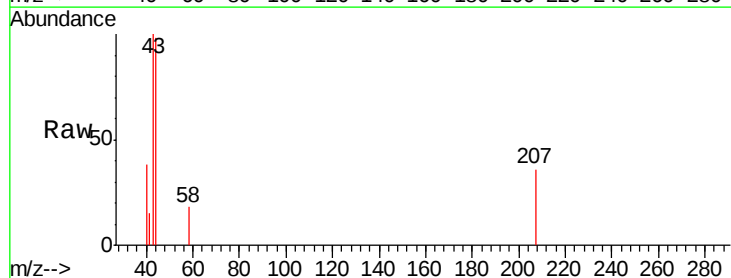
Tgt Ion: 59 Resp: 285
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

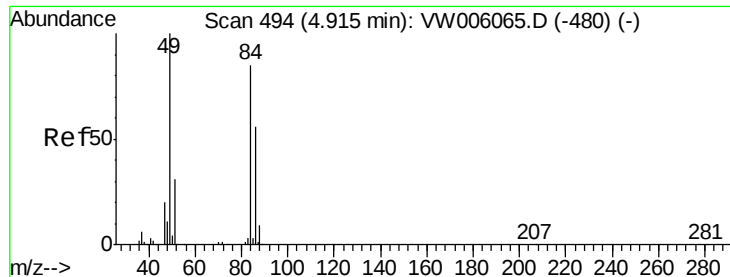


#16

Acetone
 Concen: Below Cal
 RT: 4.12 min Scan# 363
 Delta R.T. -0.03 min
 Lab File: VW006129.D
 Acq: 17 Oct 2018 16:27

Tgt Ion: 43 Resp: 683
 Ion Ratio Lower Upper
 43 100
 58 18.4 24.0 36.0#

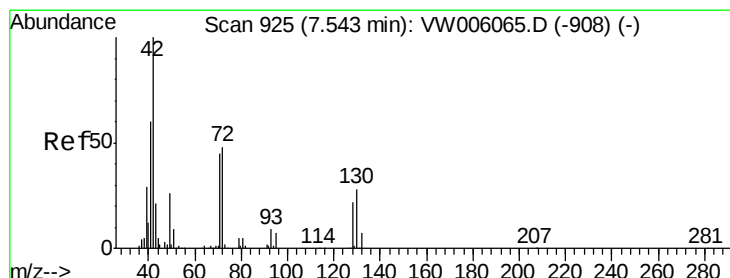
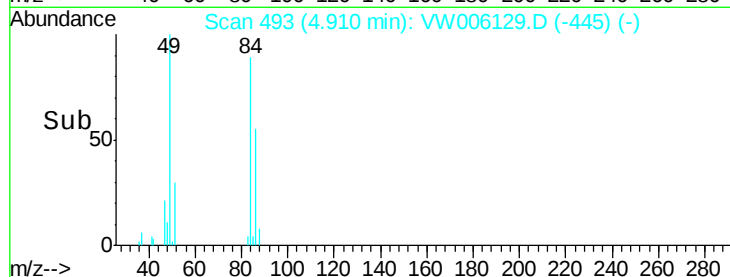
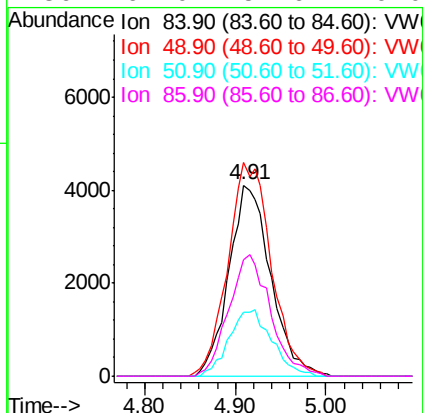
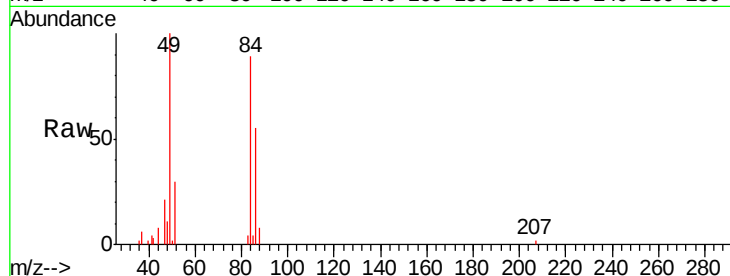




#20
Methylene Chloride
Concen: 4.03 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006129.D
Acq: 17 Oct 2018 16:27

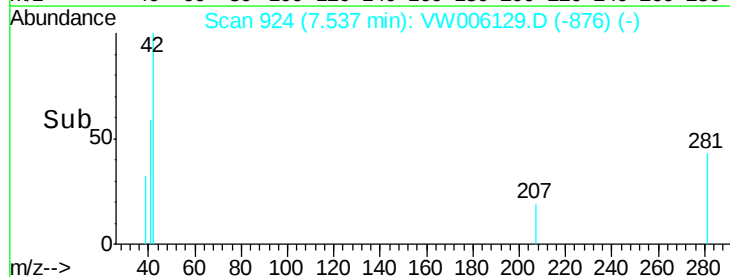
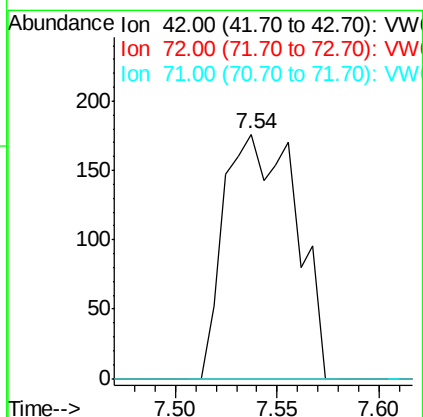
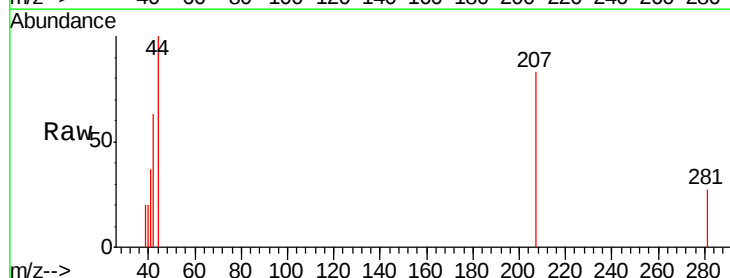
Instrument :
MSVOA_W
ClientSampleId :
SUP-4A-G-101518-6

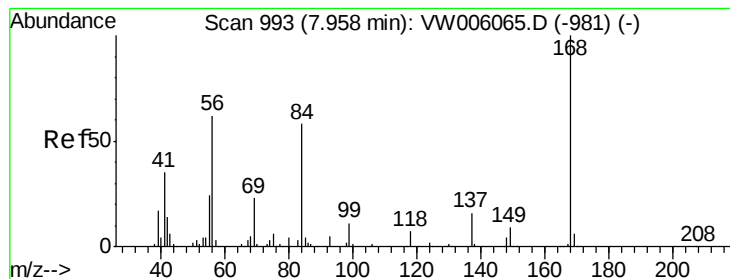
Tgt Ion:	84	Resp:	13125
Ion	Ratio	Lower	Upper
84	100		
49	112.0	93.6	140.4
51	33.7	29.0	43.4
86	61.0	52.6	79.0



#29
Tetrahydrofuran
Concen: 1.16 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006129.D
Acq: 17 Oct 2018 16:27

Tgt Ion:	42	Resp:	431
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.0	57.0#
71	0.0	35.3	52.9#





#31

Cyclohexane

Concen: 1.19 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006129.D

Acq: 17 Oct 2018 16:27

Instrument :

MSVOA_W

ClientSampleId :

SUP-4A-G-101518-6

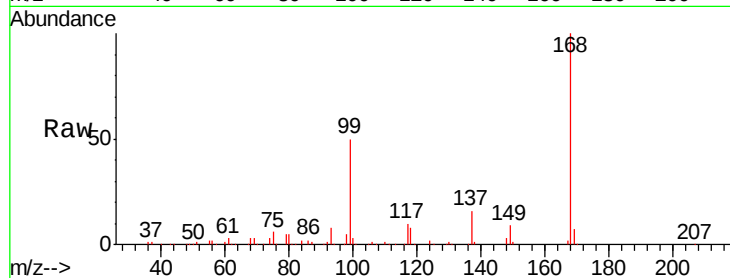
Tgt Ion: 56 Resp: 4867

Ion Ratio Lower Upper

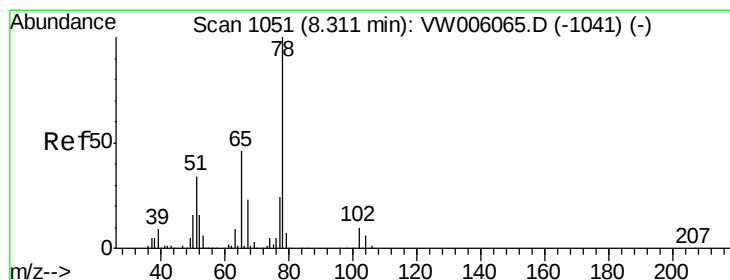
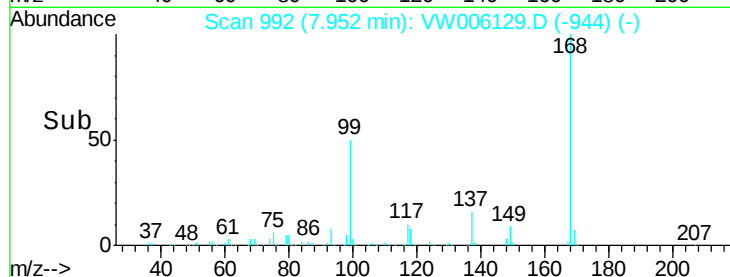
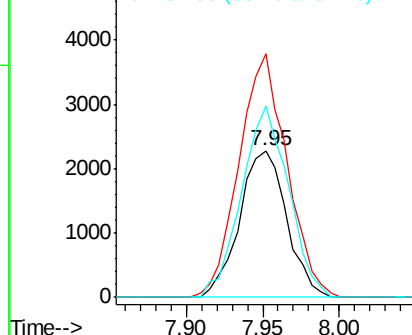
56 100

69 166.0 29.4 44.0#

84 130.3 74.0 111.0#



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: 52.00 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006129.D

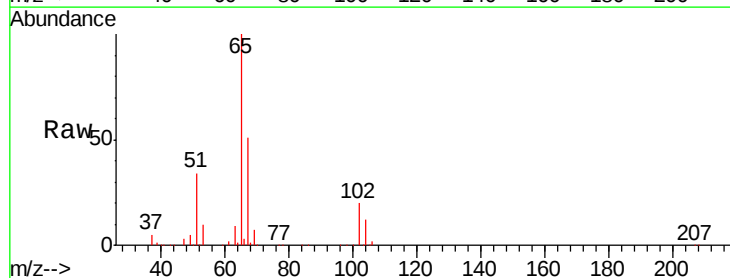
Acq: 17 Oct 2018 16:27

Tgt Ion: 65 Resp: 116636

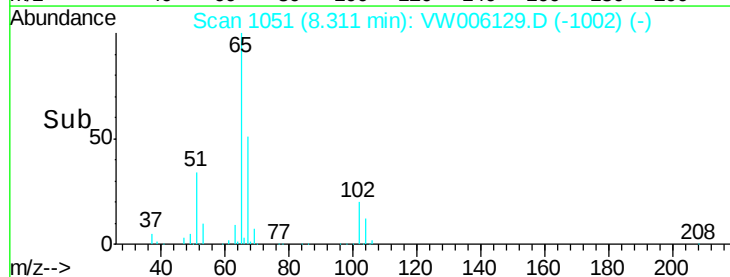
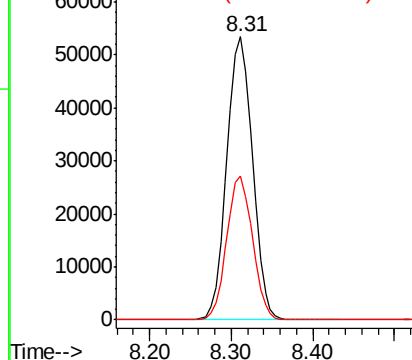
Ion Ratio Lower Upper

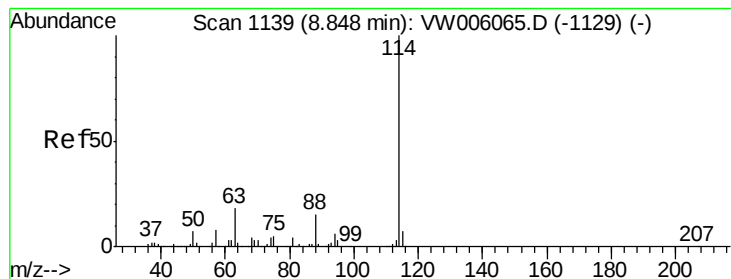
65 100

67 50.7 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006129.D

Acq: 17 Oct 2018 16:27

Instrument :

MSVOA_W

ClientSampleId :

SUP-4A-G-101518-6

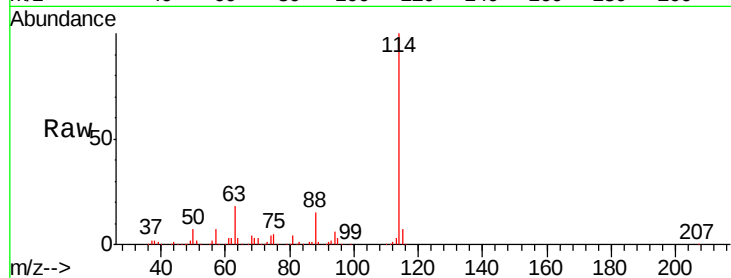
Tgt Ion:114 Resp: 383197

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

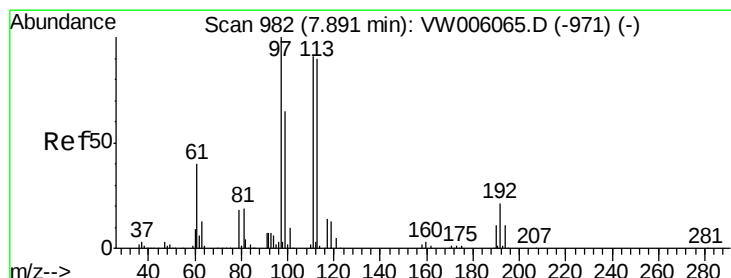
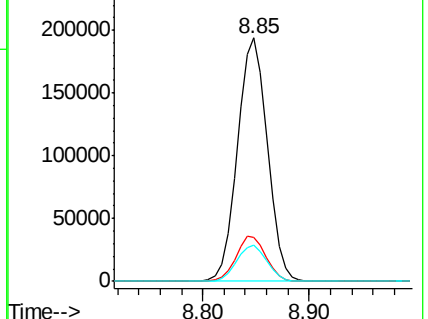
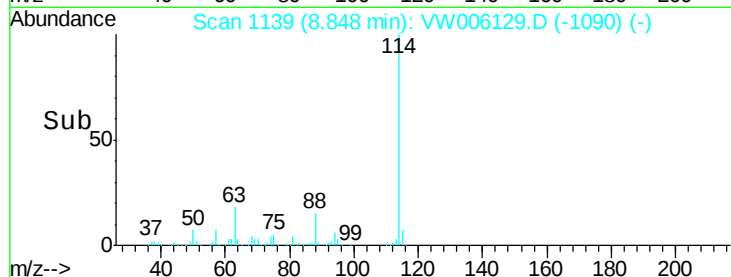
88 15.1 0.0 29.0



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: 50.17 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006129.D

Acq: 17 Oct 2018 16:27

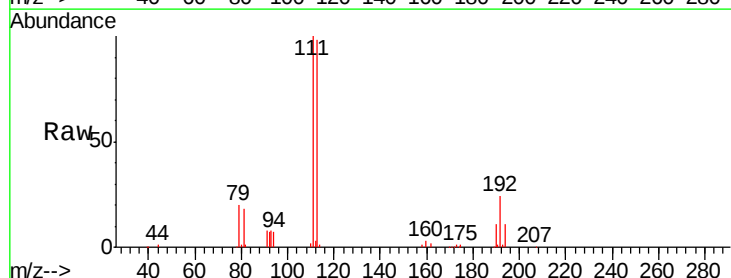
Tgt Ion:113 Resp: 113590

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

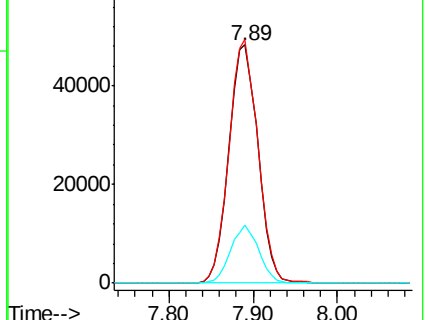
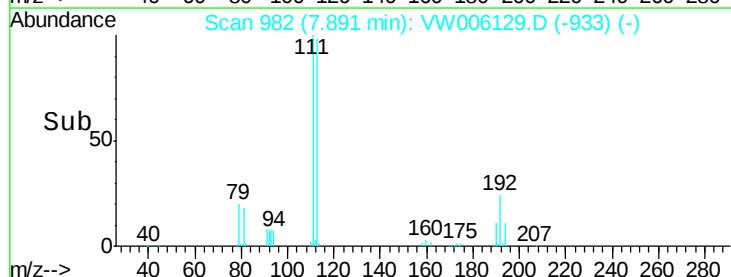
192 23.2 18.7 28.1

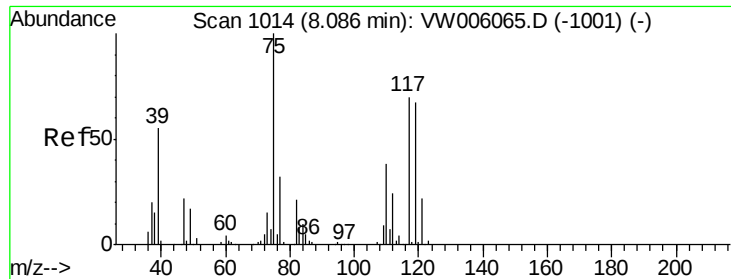


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

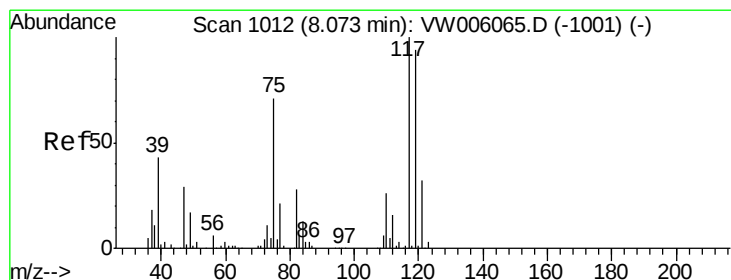
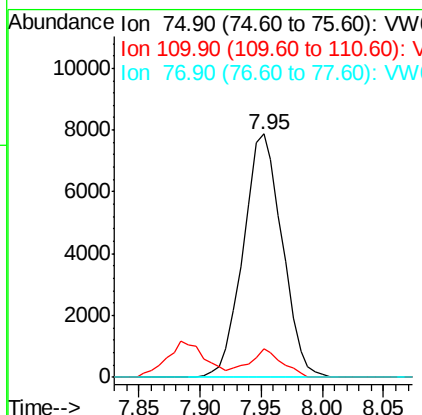
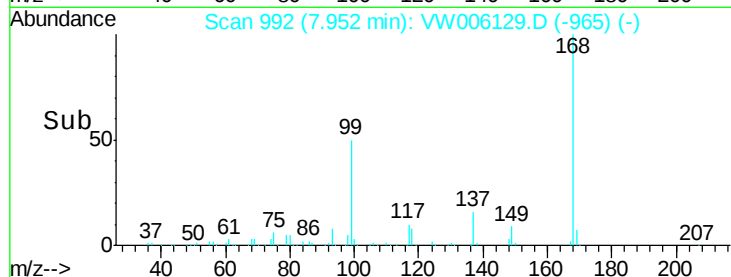
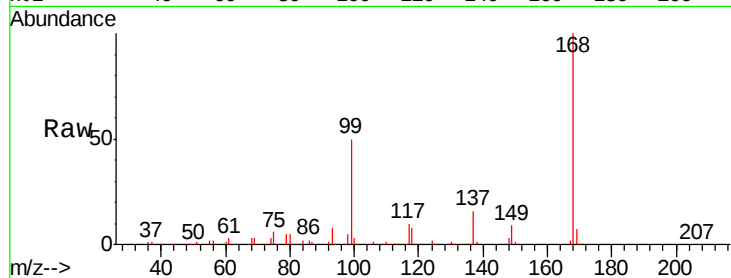




#36
 1,1-Dichloropropene
 Concen: 4.93 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006129.D
 Acq: 17 Oct 2018 16:27

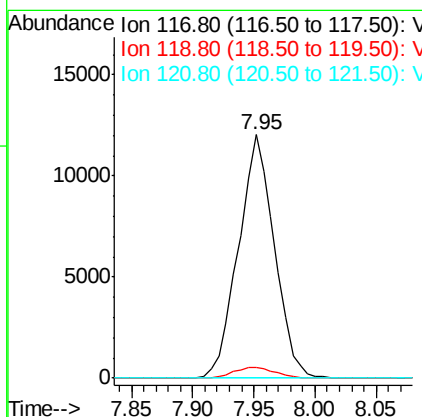
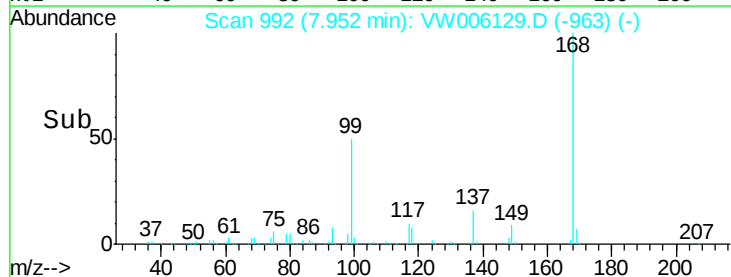
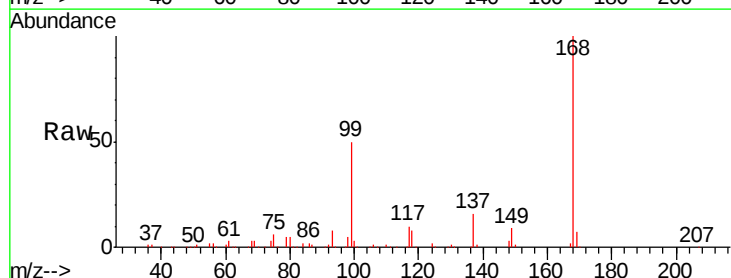
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-4A-G-101518-6

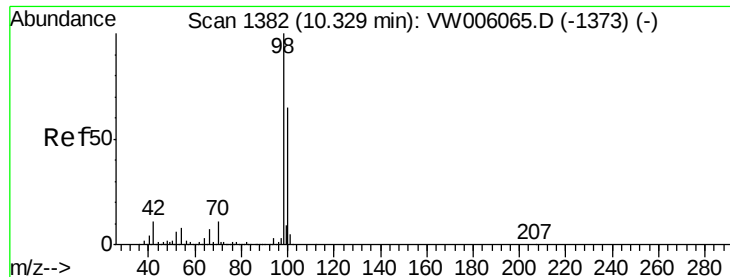
Tgt Ion: 75 Resp: 17430
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.1 57.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.32 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006129.D
 Acq: 17 Oct 2018 16:27

Tgt Ion: 117 Resp: 24486
 Ion Ratio Lower Upper
 117 100
 119 4.1 75.2 112.8#
 121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 45.36 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006129.D

Acq: 17 Oct 2018 16:27

Instrument :

MSVOA_W

ClientSampleId :

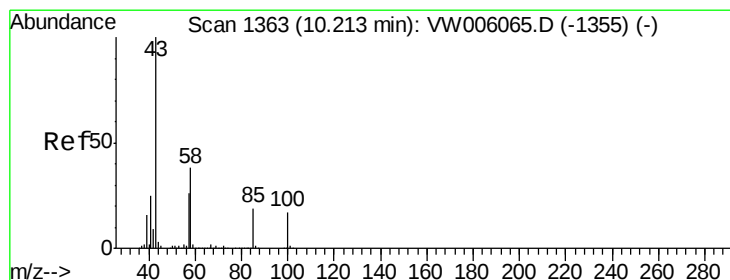
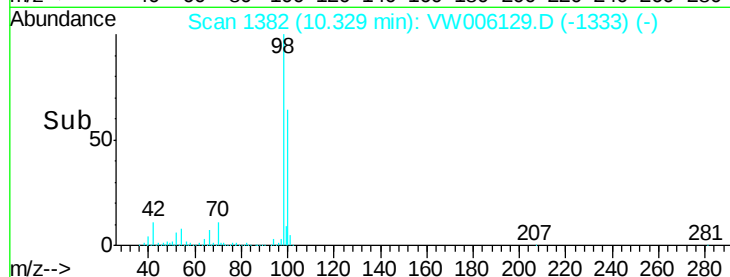
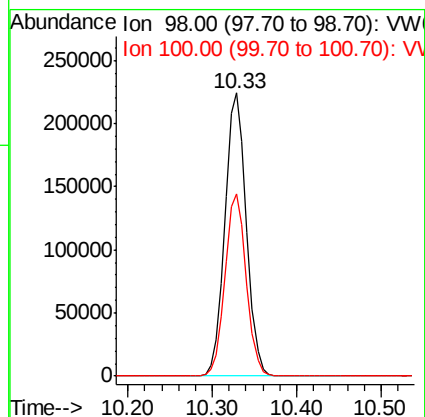
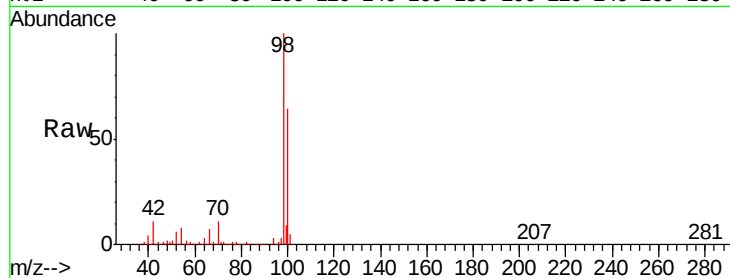
SUP-4A-G-101518-6

Tgt Ion: 98 Resp: 390786

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.32 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW006129.D

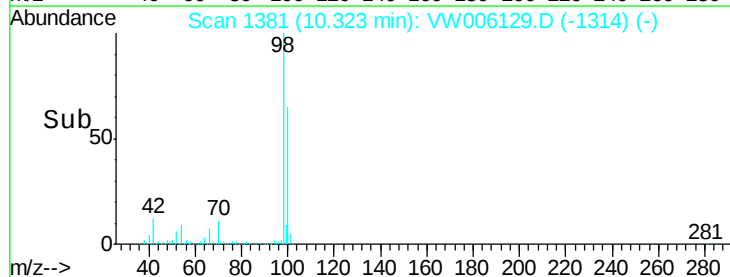
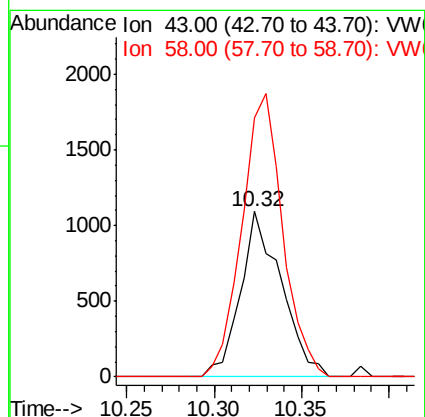
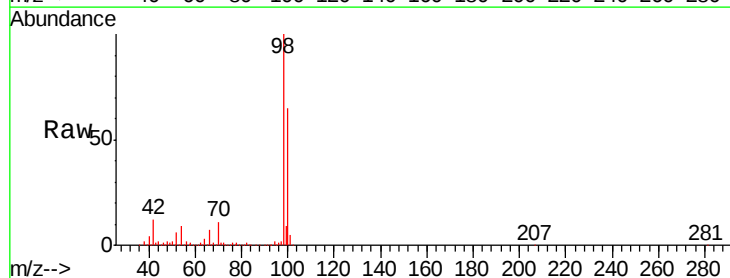
Acq: 17 Oct 2018 16:27

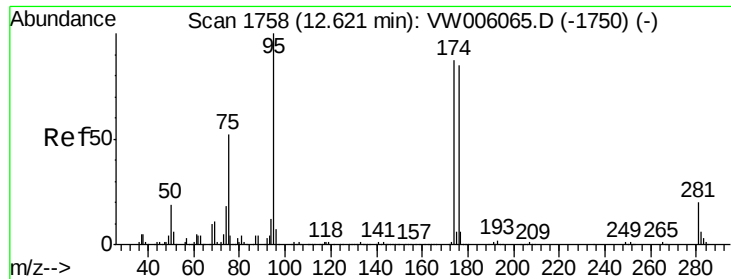
Tgt Ion: 43 Resp: 1777

Ion Ratio Lower Upper

43 100

58 170.7 31.5 47.3#

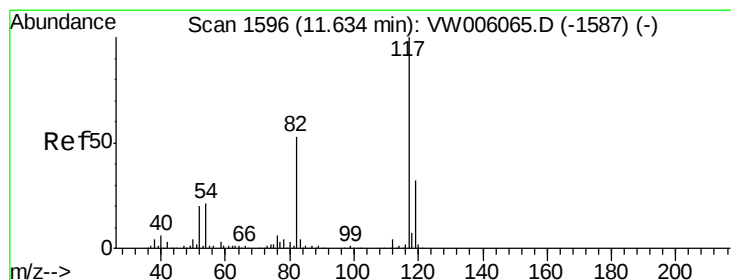
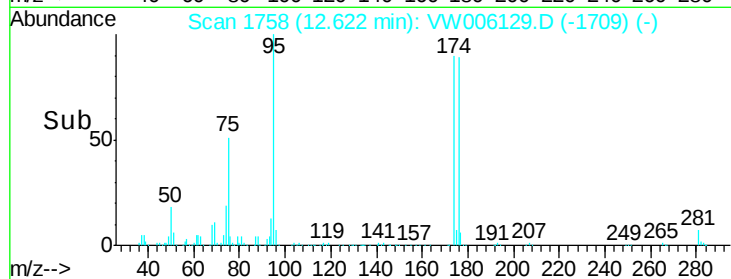
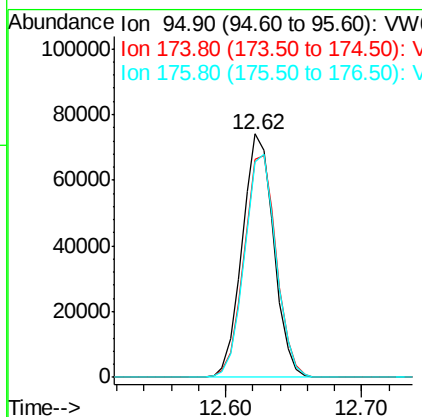
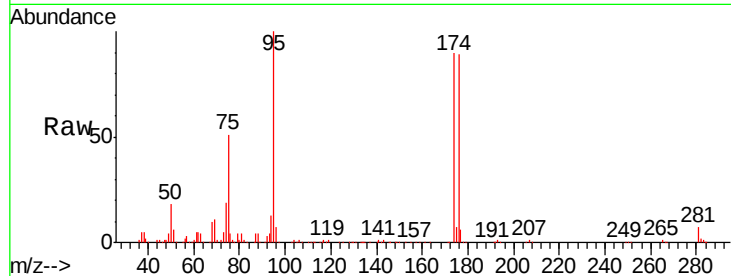




#62
4-Bromofluorobenzene
Concen: 37.06 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006129.D
Acq: 17 Oct 2018 16:27

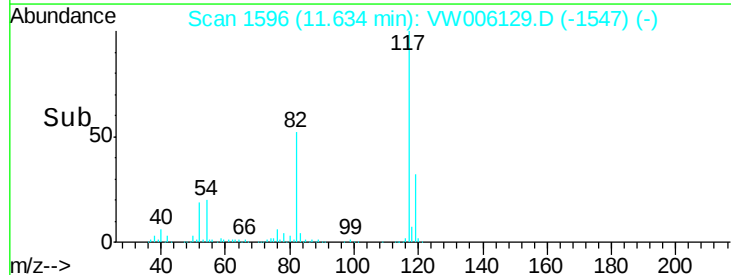
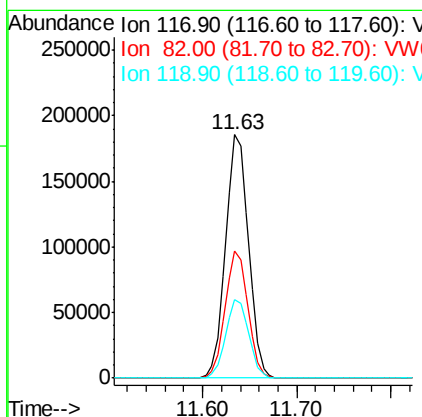
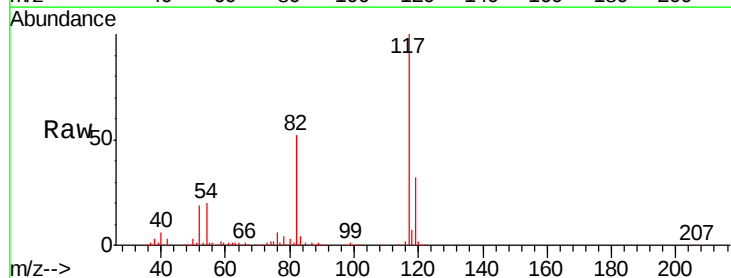
Instrument :
MSVOA_W
ClientSampleId :
SUP-4A-G-101518-6

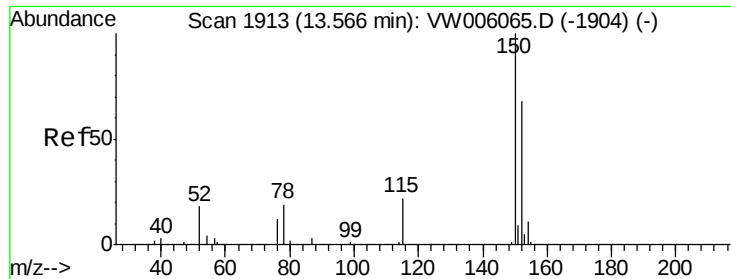
Tgt Ion: 95 Resp: 119920
Ion Ratio Lower Upper
95 100
174 93.8 0.0 186.0
176 92.1 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006129.D
Acq: 17 Oct 2018 16:27

Tgt Ion: 117 Resp: 312685
Ion Ratio Lower Upper
117 100
82 52.4 42.1 63.1
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006129.D

Acq: 17 Oct 2018 16:27

Instrument :

MSVOA_W

ClientSampleId :

SUP-4A-G-101518-6

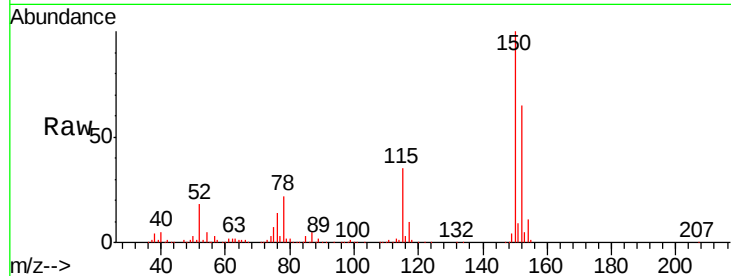
Tgt Ion:152 Resp: 121033

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.3

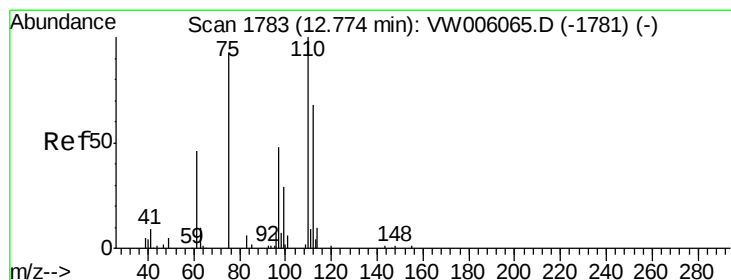
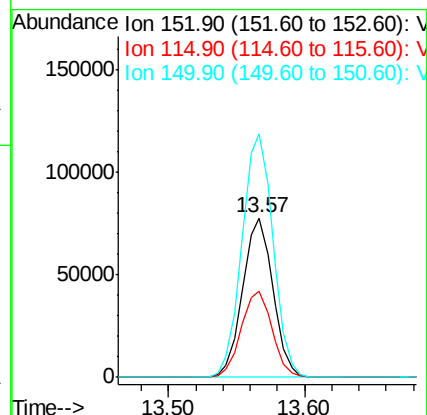
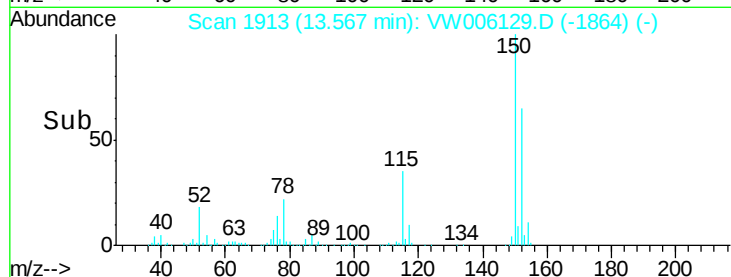
150 156.6 0.0 349.2



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: 66.97 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006129.D

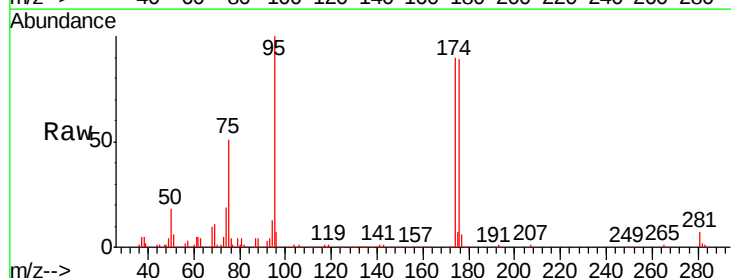
Acq: 17 Oct 2018 16:27

Tgt Ion: 75 Resp: 61907

Ion Ratio Lower Upper

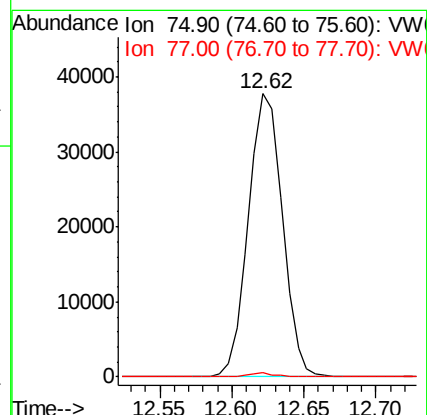
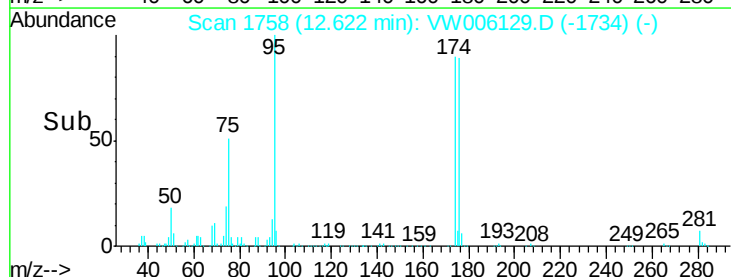
75 100

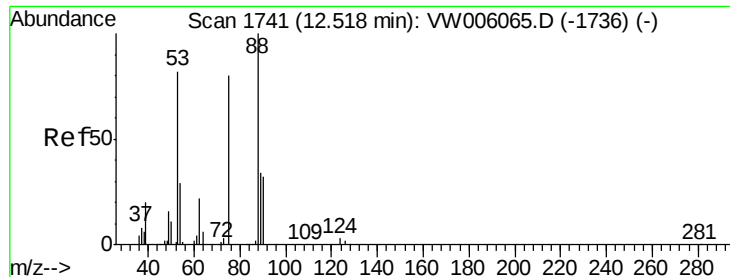
77 1.1 0.0 0.0#



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: 160.08 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006129.D

Acq: 17 Oct 2018 16:27

Instrument :

MSVOA_W

ClientSampleId :

SUP-4A-G-101518-6

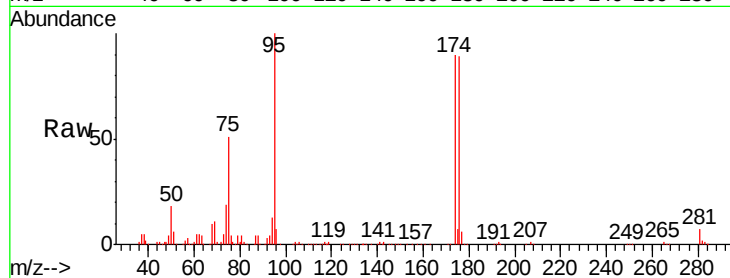
Tgt Ion: 75 Resp: 61907

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 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

