

Data File : VW012977.D
Acq On : 14 Sep 2019 02:08
Operator : SY/VA
Sample : K4719-16
Misc : 6.42G/5ML/MSVOA_W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-4(1.5)-HELLGATE

Quant Time: Sep 14 04:27:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	41140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	59864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	47286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	15117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	24164	63.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.20%	
35) Dibromofluoromethane	7.88	113	19350	59.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.14%	
50) Toluene-d8	10.32	98	68987	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
62) 4-Bromofluorobenzene	12.62	95	18607	40.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.42%	

Target Compounds

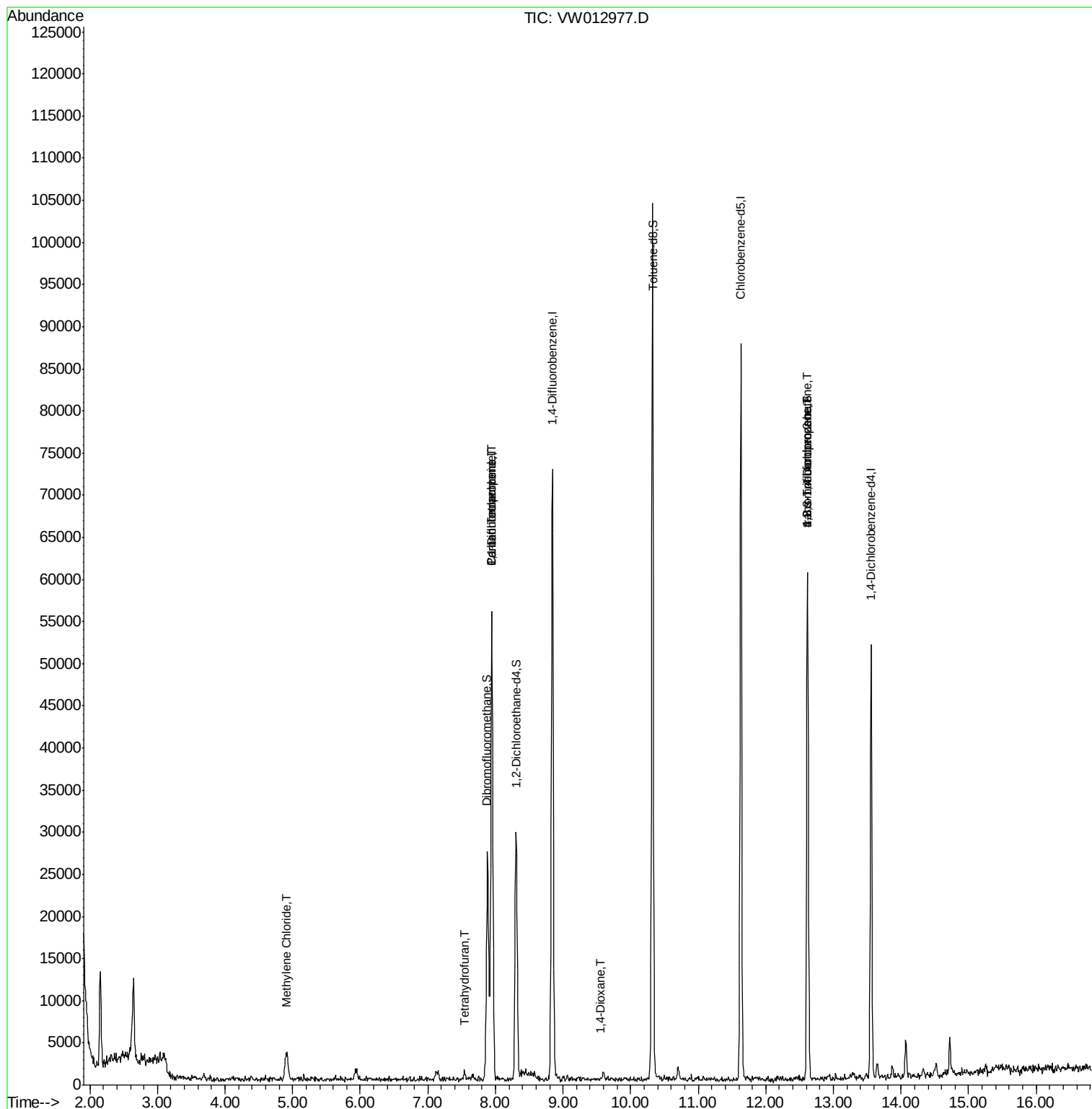
						Qvalue
3) Chloromethane	2.21	50	88	Below Cal	#	41
11) Tert butyl alcohol	5.17	59	398	Below Cal		99
13) Acrolein	3.85	56	19	Below Cal	#	1
16) Acetone	4.10	43	255	Below Cal	#	47
20) Methylene Chloride	4.90	84	2340	2.719	ug/l #	92
26) 2,2-Dichloropropane	7.40	77	62	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	540	7.844	ug/l #	54
31) Cyclohexane	7.95	56	964	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	3028	6.330	ug/l #	52
38) Carbon Tetrachloride	7.95	117	4180	8.527	ug/l #	18
49) 1,4-Dioxane	9.55	88	22	7.724	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	9614	72.606	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	9614	164.706	ug/l #	7

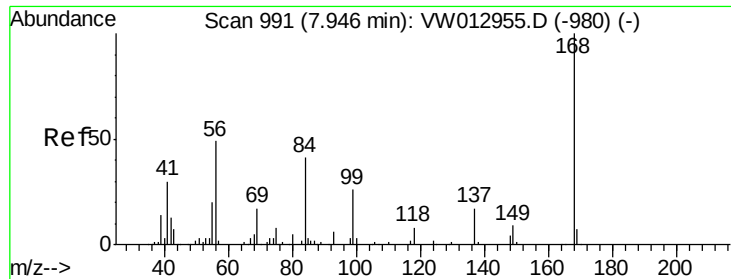
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

Instrument :

MSVOA_W

ClientSampleId :

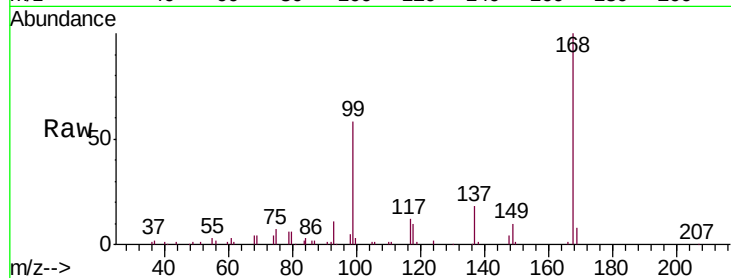
T4-4-(1.5)-HELLGATE

Tgt Ion:168 Resp: 41140

Ion Ratio Lower Upper

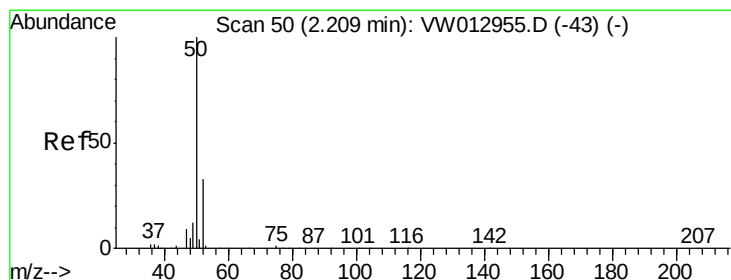
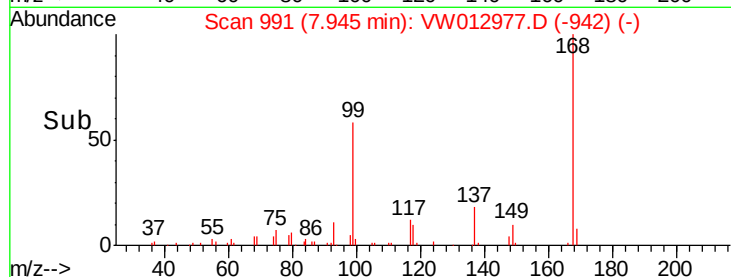
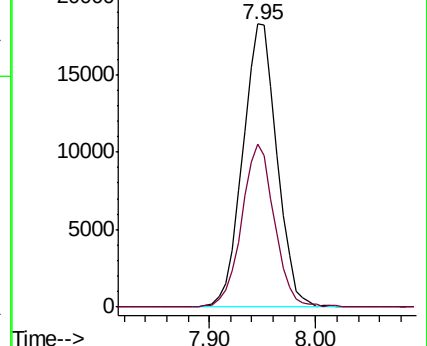
168 100

99 57.5 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012977.D

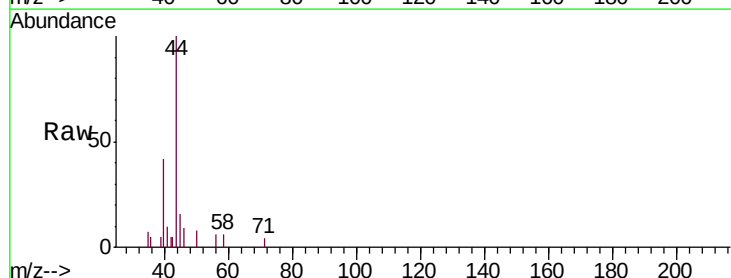
Acq: 14 Sep 2019 02:08

Tgt Ion: 50 Resp: 88

Ion Ratio Lower Upper

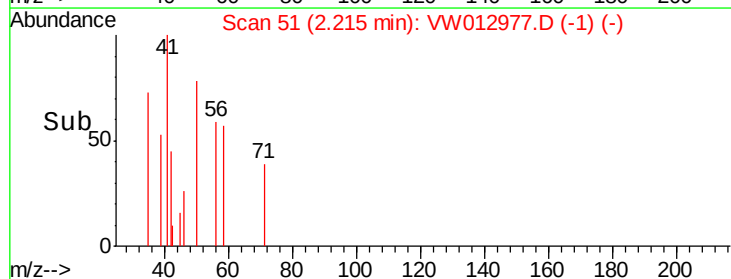
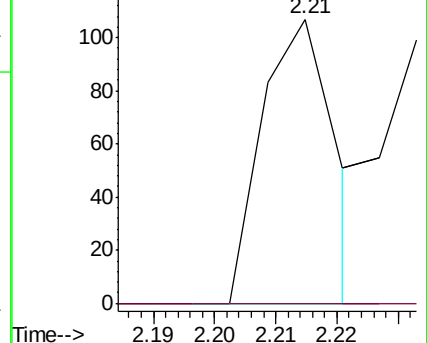
50 100

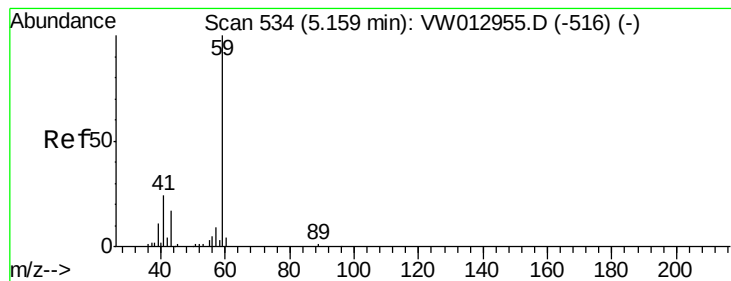
52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



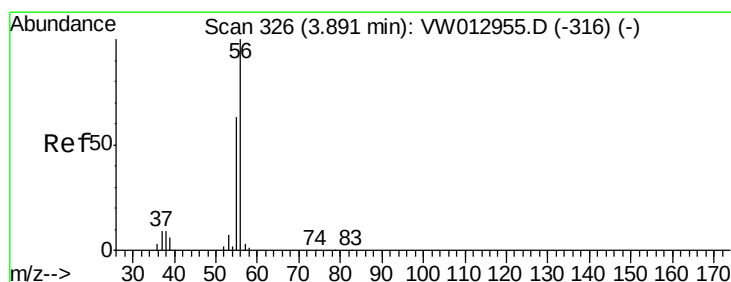
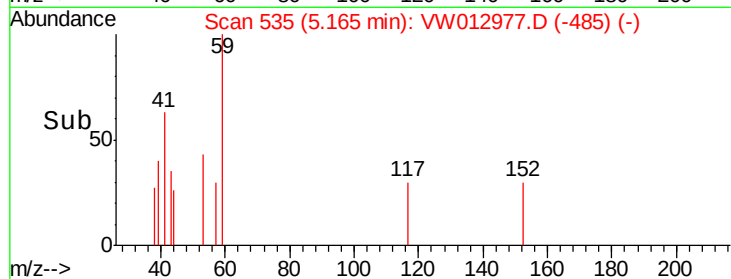
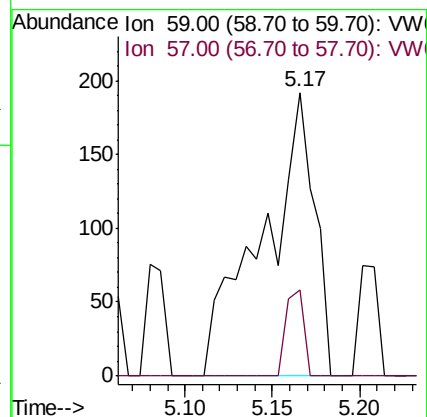
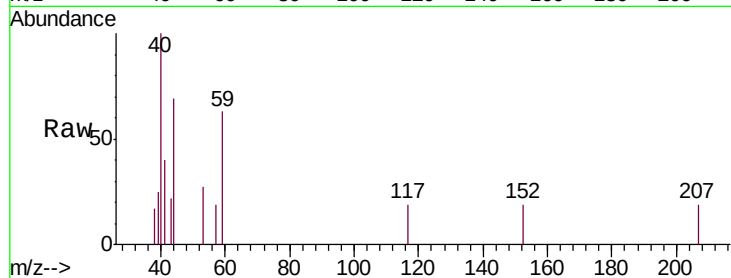


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW012977.D
Acq: 14 Sep 2019 02:08

Instrument :
MSVOA_W
ClientSampleId :
T4-4-(1.5)-HELLGATE

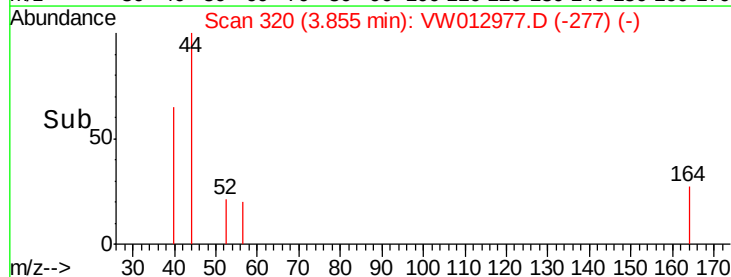
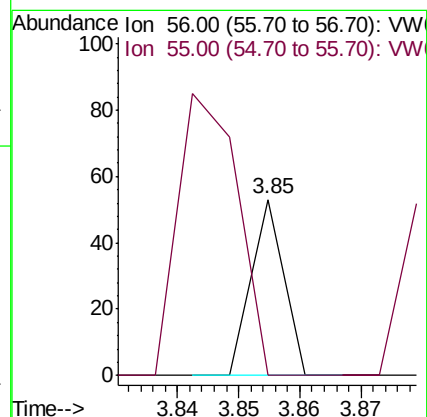
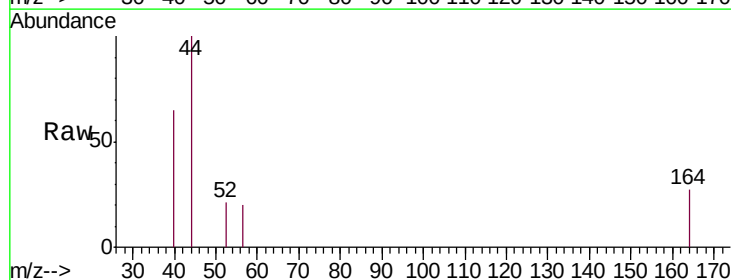
Tgt Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 10.1 8.5 12.7

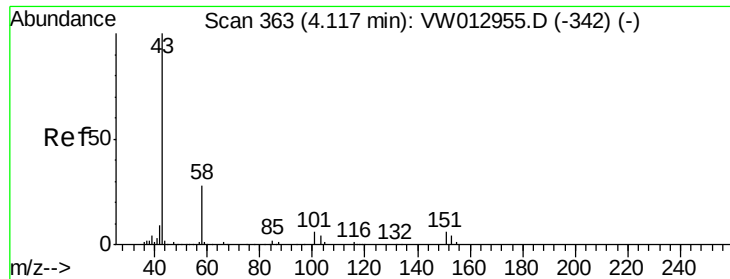


#13

Acrolein
Concen: Below Cal
RT: 3.85 min Scan# 320
Delta R.T. -0.04 min
Lab File: VW012977.D
Acq: 14 Sep 2019 02:08

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 300.0 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 4.10 min Scan# 360

Delta R.T. -0.02 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

Instrument :

MSVOA_W

ClientSampleId :

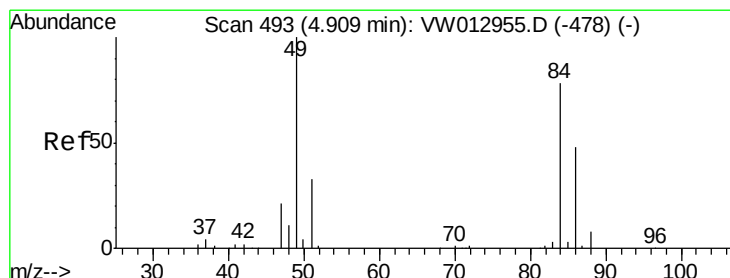
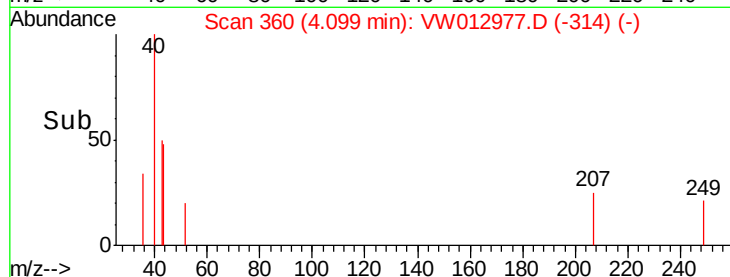
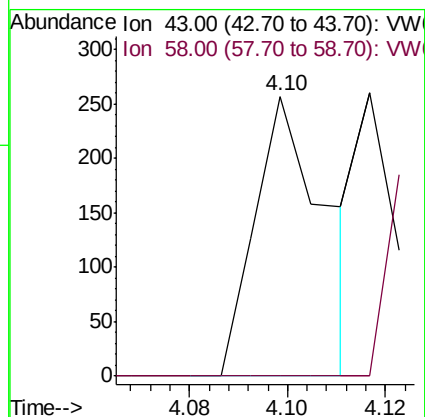
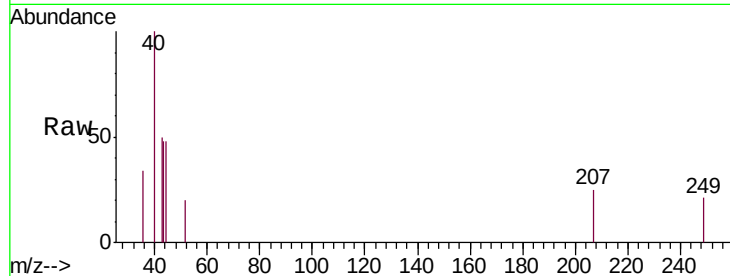
T4-4-(1.5)-HELLGATE

Tgt Ion: 43 Resp: 255

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



#20

Methylene Chloride

Concen: 2.719 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

Tgt Ion: 84 Resp: 2340

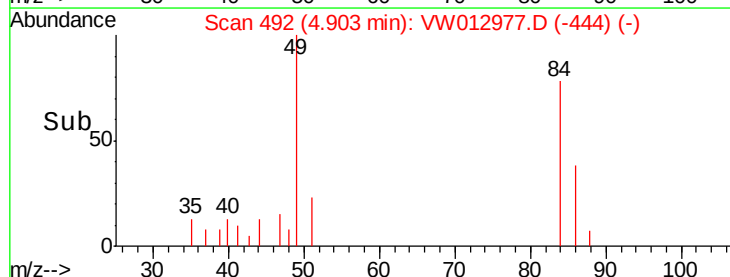
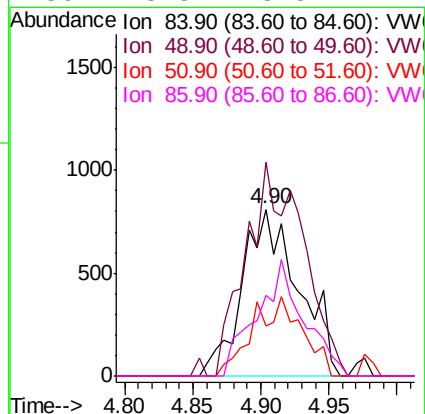
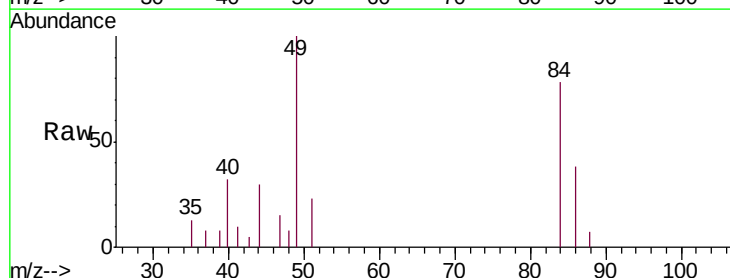
Ion Ratio Lower Upper

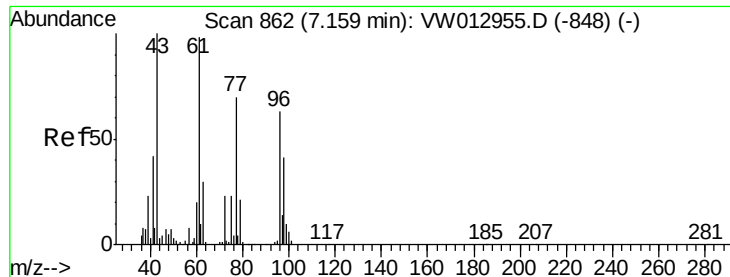
84 100

49 128.3 102.0 153.0

51 30.0 34.0 51.0#

86 48.5 48.5 72.7#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.40 min Scan# 901

Delta R.T. 0.24 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

Instrument :

MSVOA_W

ClientSampleId :

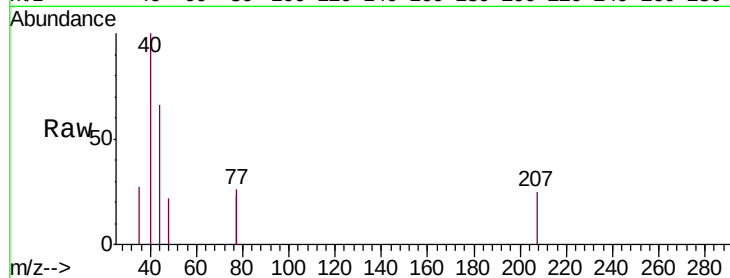
T4-4(1.5)-HELLGATE

Tgt Ion: 77 Resp: 62

Ion Ratio Lower Upper

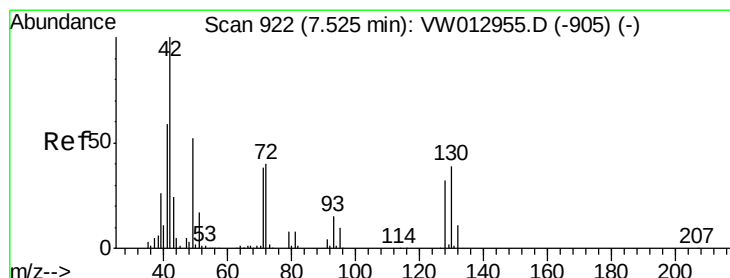
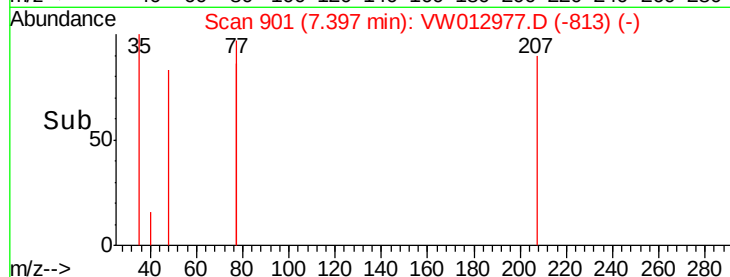
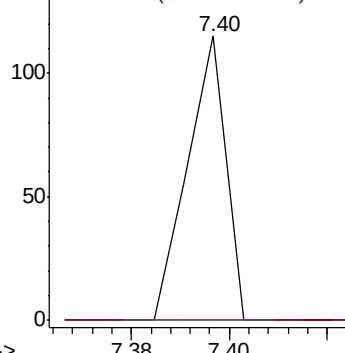
77 100

97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 7.844 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

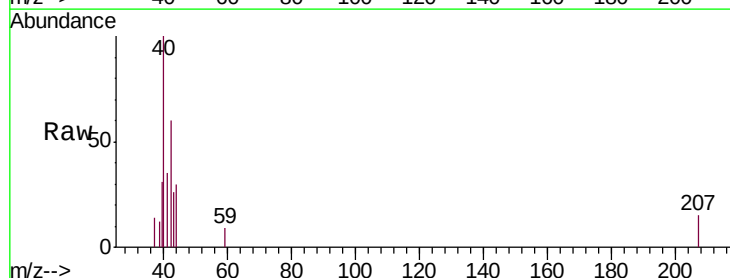
Tgt Ion: 42 Resp: 540

Ion Ratio Lower Upper

42 100

72 14.6 31.4 47.0#

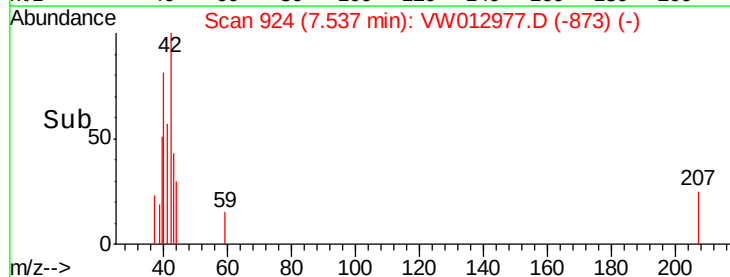
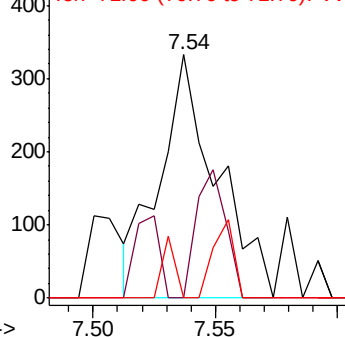
71 5.7 29.8 44.8#

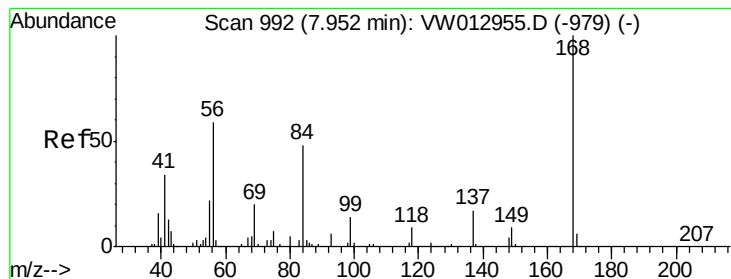


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

Instrument :

MSVOA_W

ClientSampleId :

T4-4-(1.5)-HELLGATE

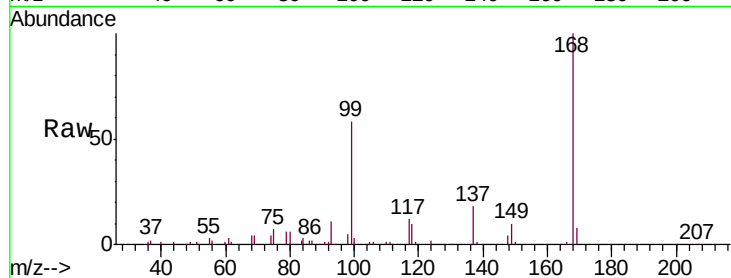
Tgt Ion: 56 Resp: 964

Ion Ratio Lower Upper

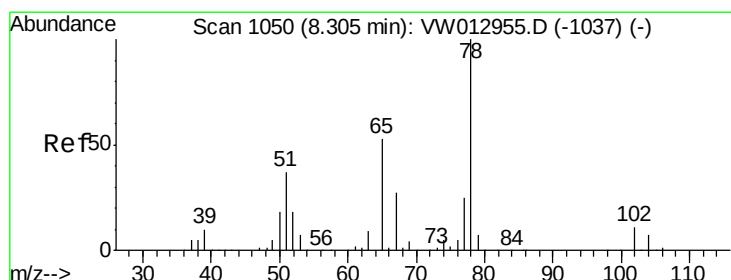
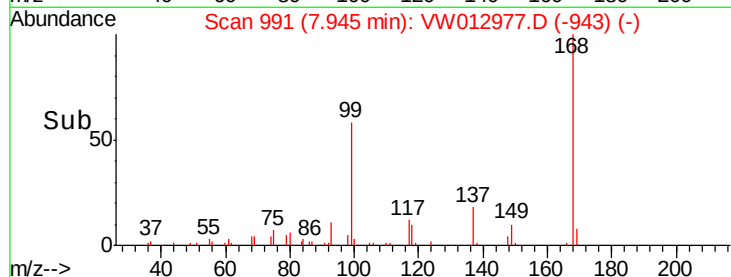
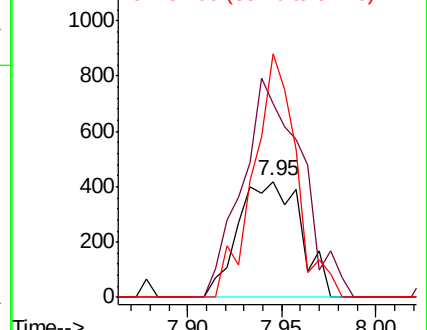
56 100

69 167.3 27.0 40.6#

84 210.0 66.2 99.2#



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: 63.597 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012977.D

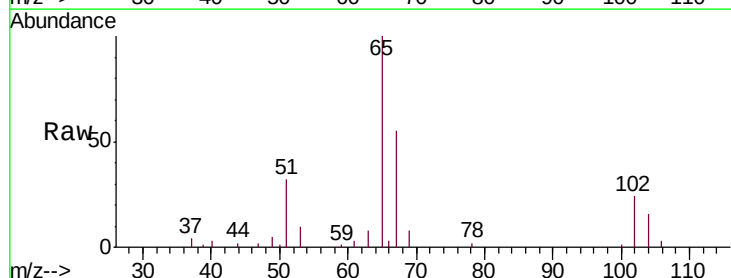
Acq: 14 Sep 2019 02:08

Tgt Ion: 65 Resp: 24164

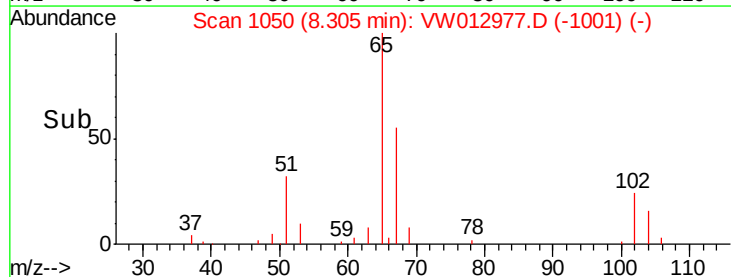
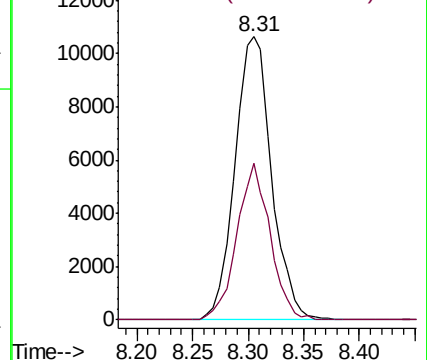
Ion Ratio Lower Upper

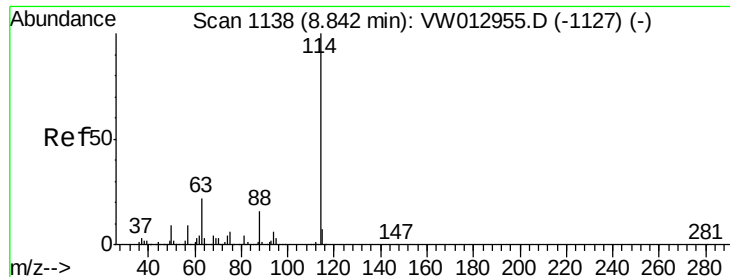
65 100

67 50.3 0.0 101.2



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. -0.00 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

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MSVOA_W

ClientSampleId :

T4-4-(1.5)-HELLGATE

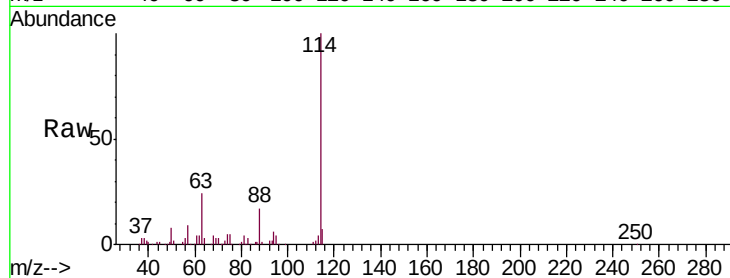
Tgt Ion:114 Resp: 59864

Ion Ratio Lower Upper

114 100

63 23.7 0.0 43.4

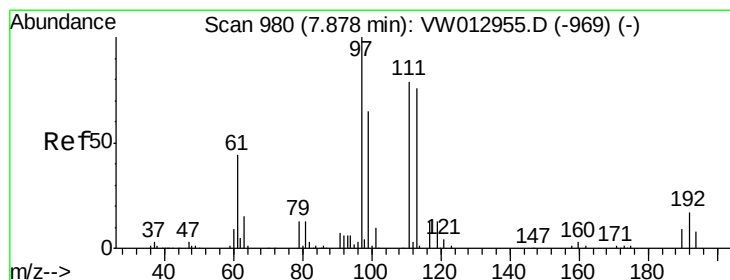
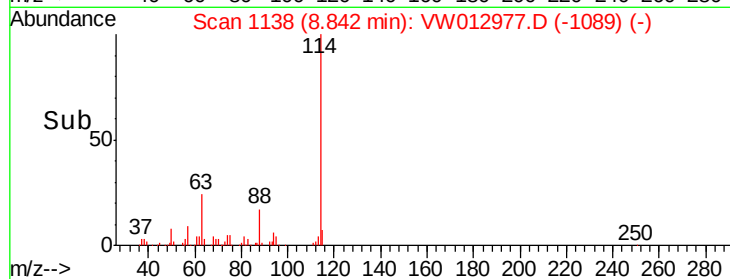
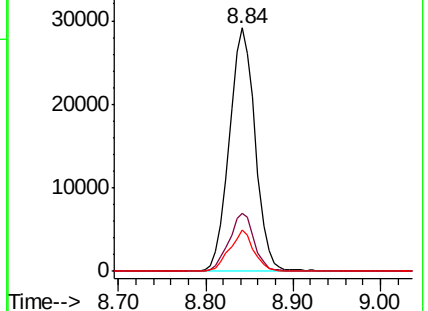
88 17.1 0.0 31.6



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: 59.570 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

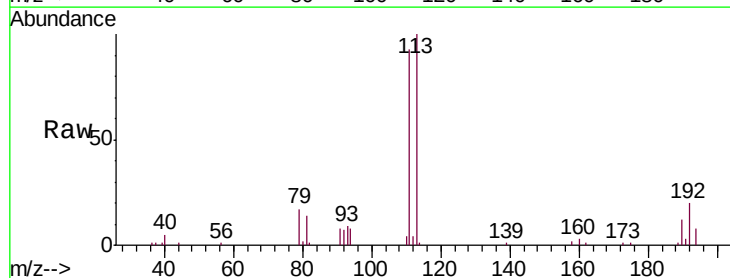
Tgt Ion:113 Resp: 19350

Ion Ratio Lower Upper

113 100

111 100.9 82.8 124.2

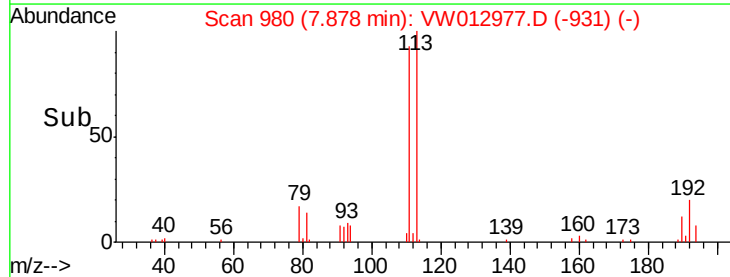
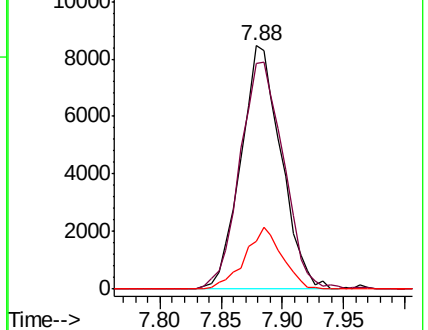
192 23.4 17.8 26.8

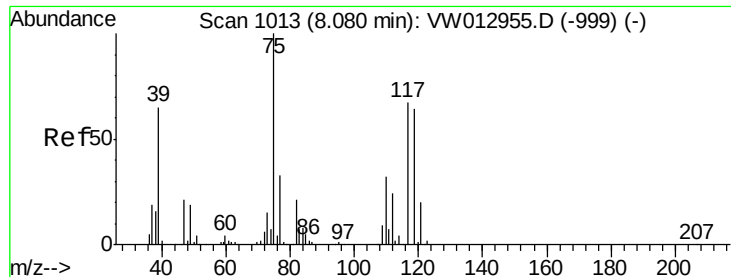


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

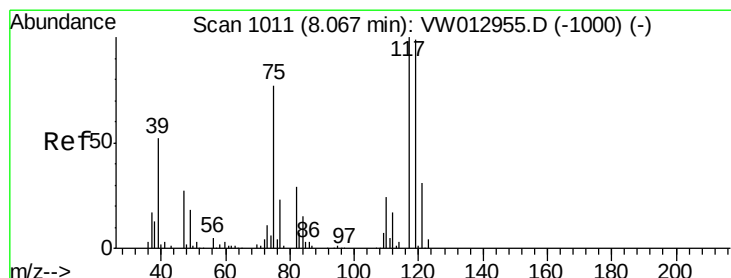
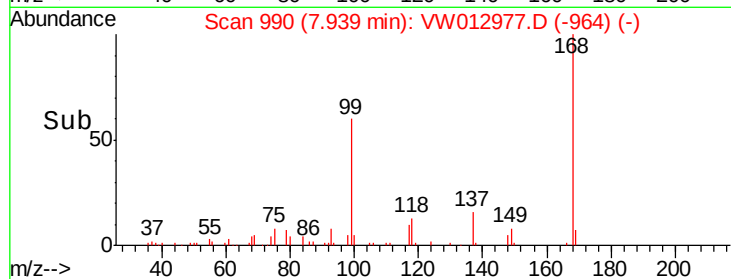
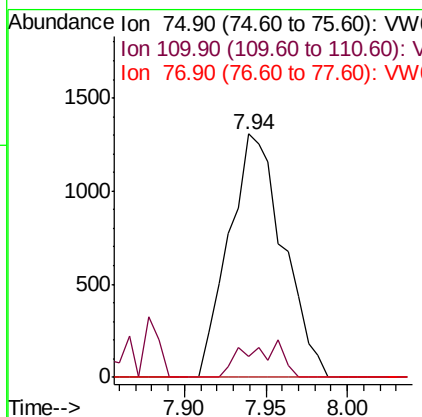
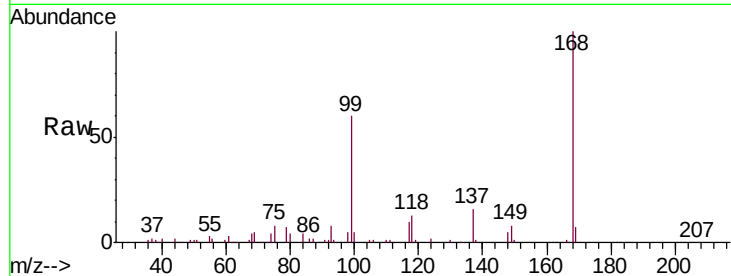




#36
 1,1-Dichloropropene
 Concen: 6.330 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012977.D
 Acq: 14 Sep 2019 02:08

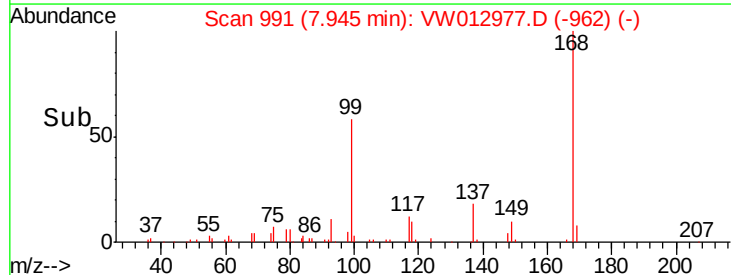
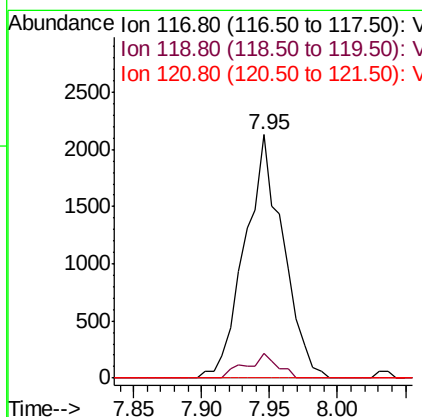
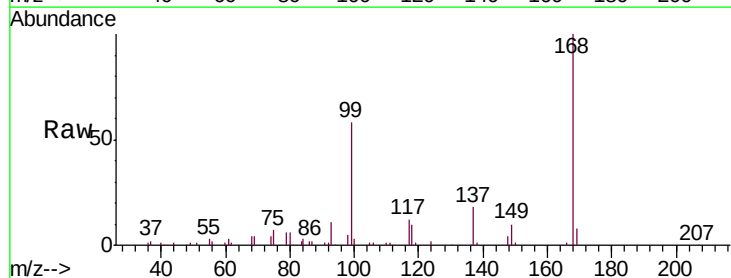
Instrument :
 MSVOA_W
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 T4-4-(1.5)-HELLGATE

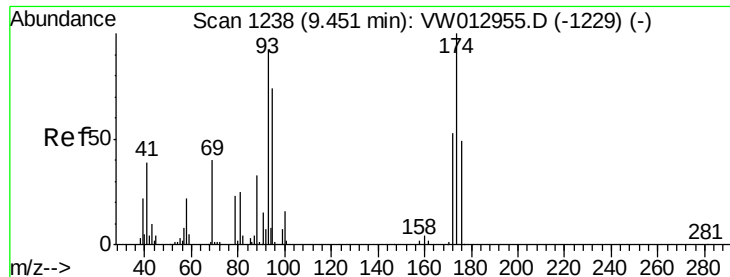
Tgt Ion: 75 Resp: 3028
 Ion Ratio Lower Upper
 75 100
 110 10.4 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 8.527 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012977.D
 Acq: 14 Sep 2019 02:08

Tgt Ion: 117 Resp: 4180
 Ion Ratio Lower Upper
 117 100
 119 10.0 79.4 119.0#
 121 0.0 24.6 36.8#





#49

1,4-Dioxane

Concen: 7.724 ug/l

RT: 9.55 min Scan# 1255

Delta R.T. 0.10 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

Instrument :

MSVOA_W

ClientSampleId :

T4-4-(1.5)-HELLGATE

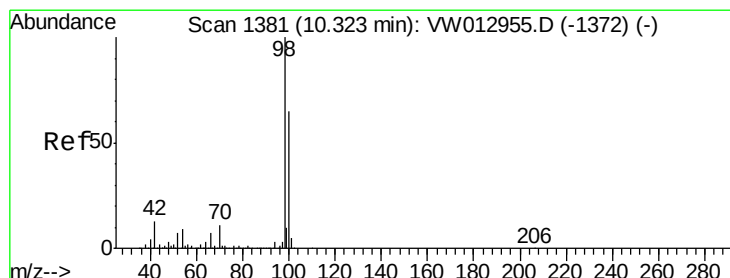
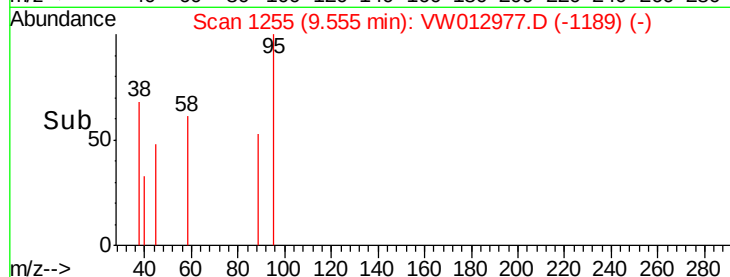
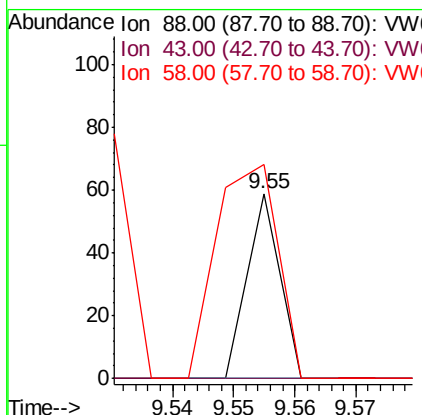
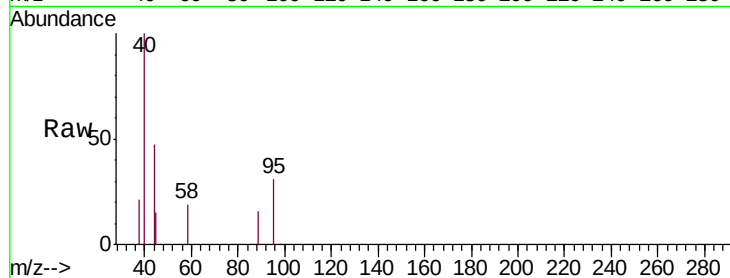
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

58 213.6 60.2 90.2#



#50

Toluene-d8

Concen: 54.274 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012977.D

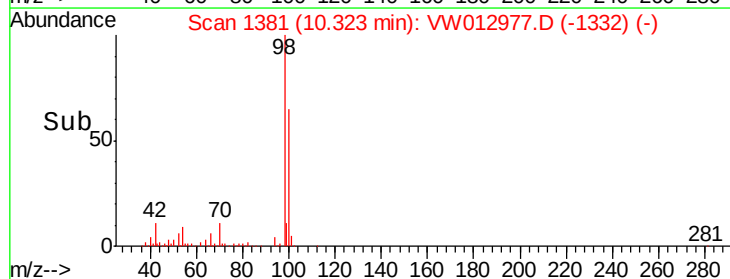
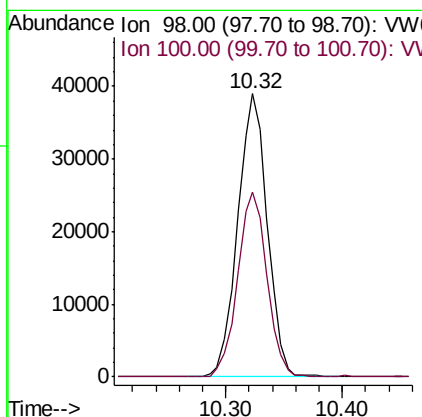
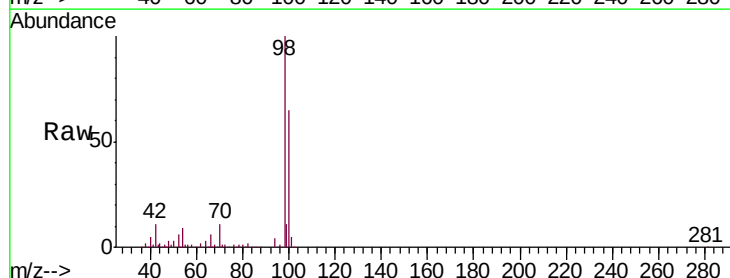
Acq: 14 Sep 2019 02:08

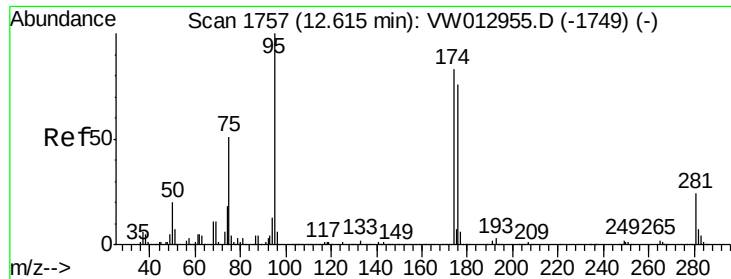
Tgt Ion: 98 Resp: 68987

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 40.710 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

Instrument :

MSVOA_W

ClientSampleId :

T4-4(1.5)-HELLGATE

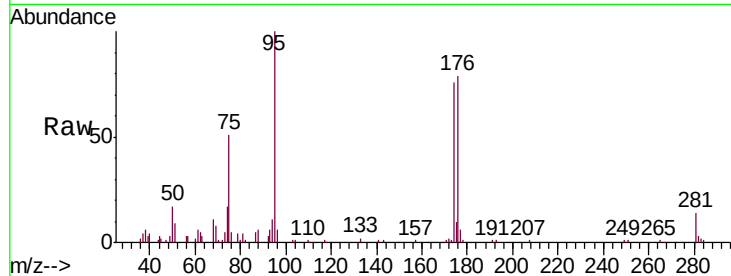
Tgt Ion: 95 Resp: 18607

Ion Ratio Lower Upper

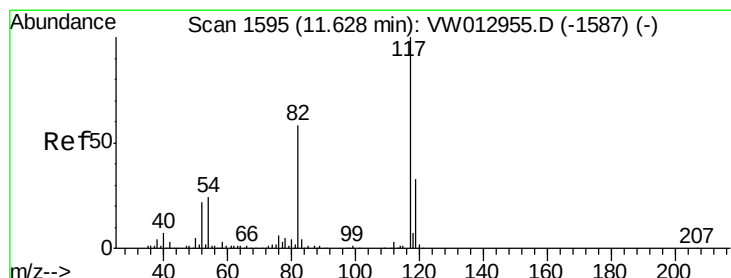
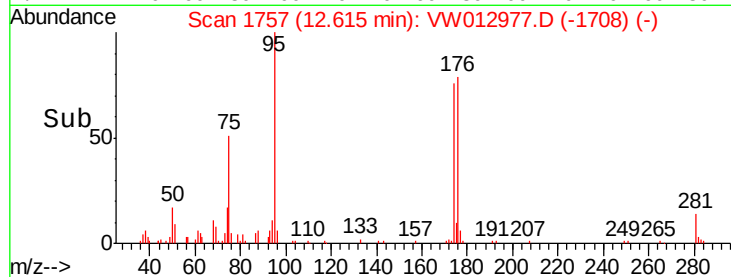
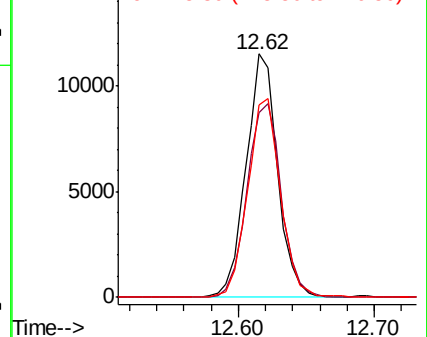
95 100

174 86.5 0.0 170.4

176 85.0 0.0 164.6



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: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

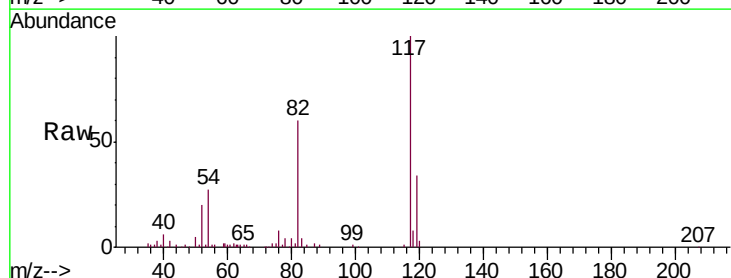
Tgt Ion: 117 Resp: 47286

Ion Ratio Lower Upper

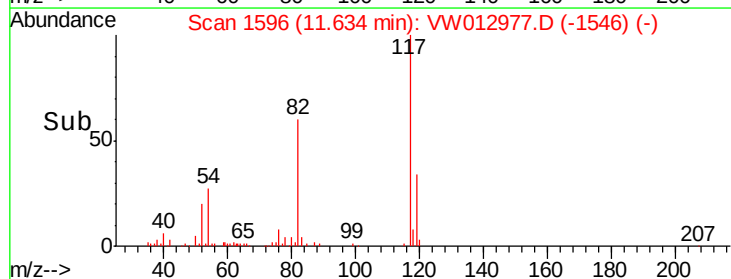
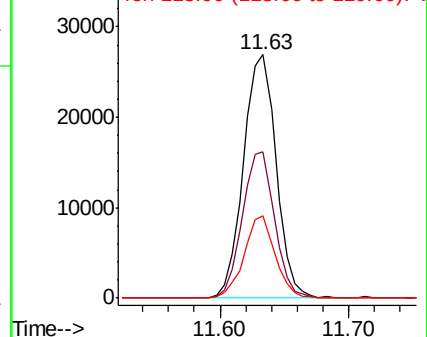
117 100

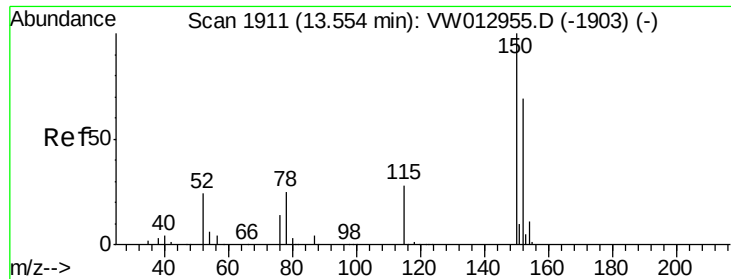
82 60.0 46.3 69.5

119 33.6 26.2 39.4



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. 0.01 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

Instrument :

MSVOA_W

ClientSampleId :

T4-4-(1.5)-HELLGATE

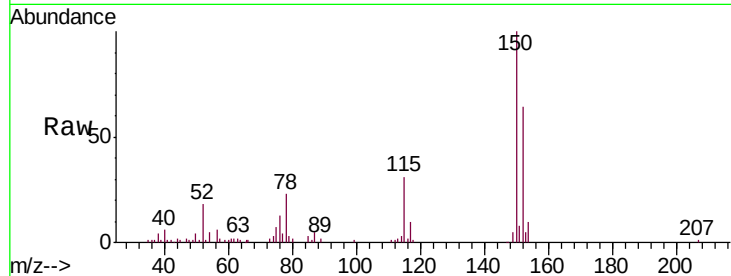
Tgt Ion: 152 Resp: 15117

Ion Ratio Lower Upper

152 100

115 52.3 28.8 86.4

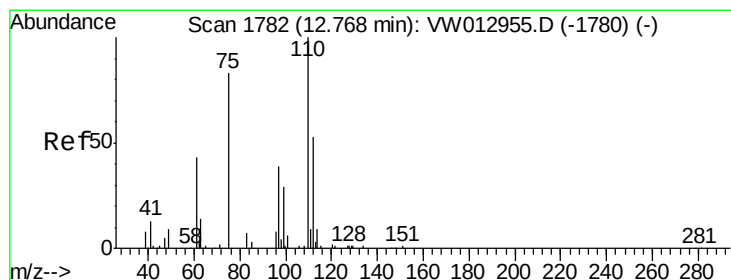
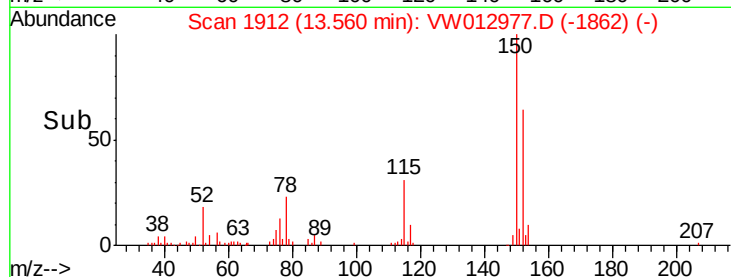
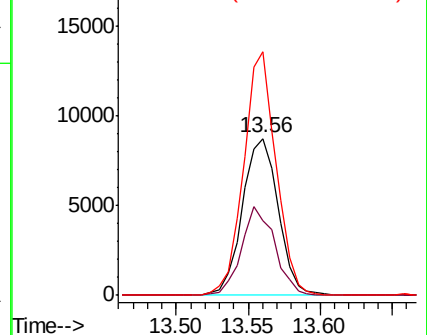
150 140.0 0.0 340.2



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: 72.606 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012977.D

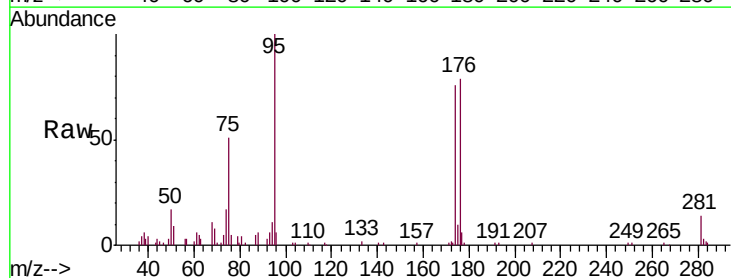
Acq: 14 Sep 2019 02:08

Tgt Ion: 75 Resp: 9614

Ion Ratio Lower Upper

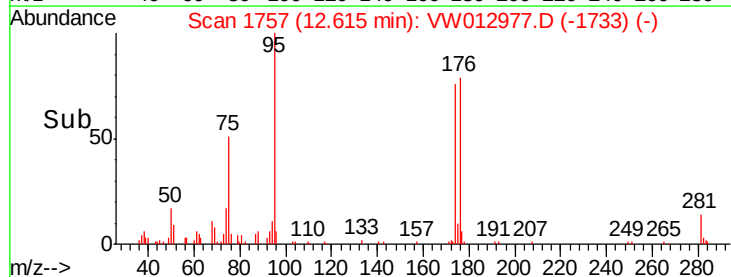
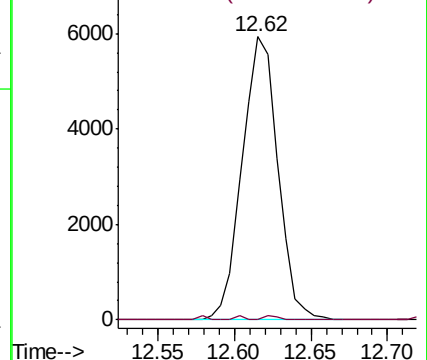
75 100

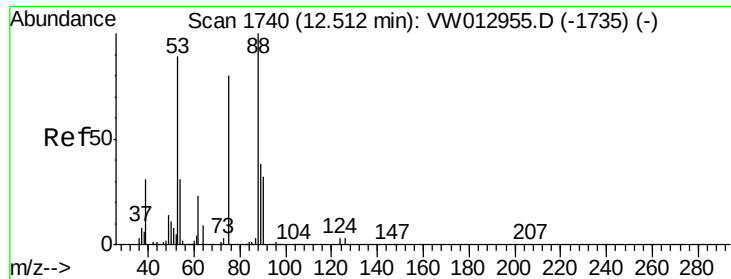
77 0.6 0.0 0.0#



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: 164.706 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012977.D

Acq: 14 Sep 2019 02:08

Instrument :

MSVOA_W

ClientSampleId :

T4-4-(1.5)-HELLGATE

Tgt Ion: 75 Resp: 9614

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#

