

Data File : VW008150.D
Acq On : 10 Jan 2019 15:55
Operator : SY/AP
Sample : K1075-14
Misc : 4.59G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BASIN-7

Quant Time: Jan 11 05:11:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	52848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	99994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	91951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	40397	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	36316	61.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.28%	
35) Dibromofluoromethane	7.88	113	32244	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	
50) Toluene-d8	10.32	98	132081	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
62) 4-Bromofluorobenzene	12.62	95	43342	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

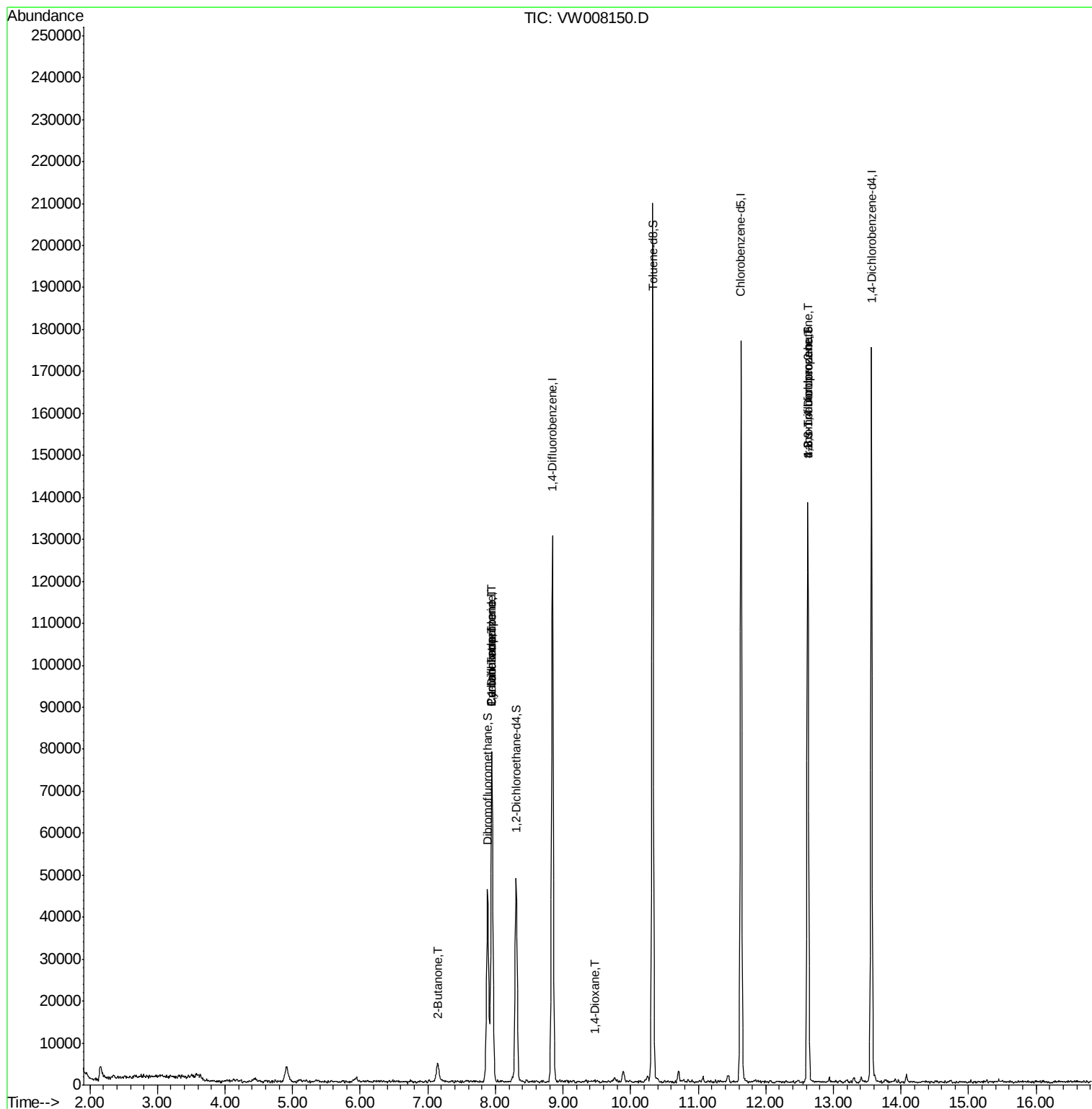
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.23	59	48	Below Cal	#	100
13) Acrolein	3.88	56	20	Below Cal	#	14
16) Acetone	4.13	43	725	Below Cal	#	65
20) Methylene Chloride	4.92	84	2520	Below Cal		98
25) 2-Butanone	7.14	43	266	1.610	ug/l #	49
31) Cyclohexane	7.95	56	1614	1.291	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	5128	4.978	ug/l #	50
38) Carbon Tetrachloride	7.95	117	5686	6.031	ug/l #	17
49) 1,4-Dioxane	9.47	88	31	5.666	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	22340	60.663	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	22340	141.266	ug/l #	10

(#) = 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: VW008150.D

Acq: 10 Jan 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

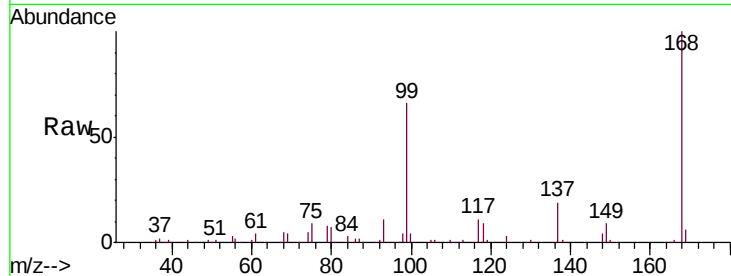
BASIN-7

Tgt Ion:168 Resp: 52848

Ion Ratio Lower Upper

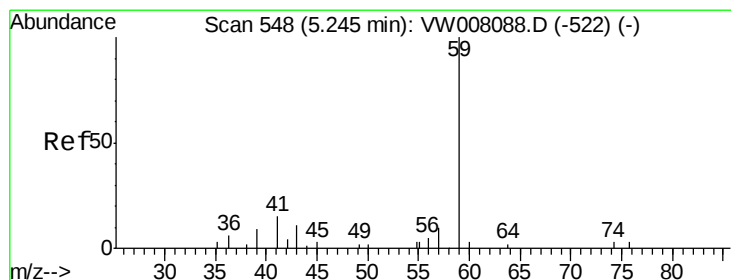
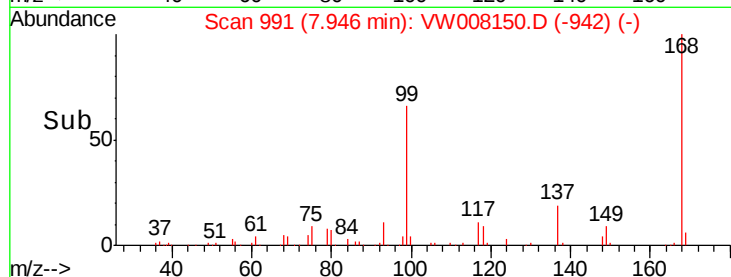
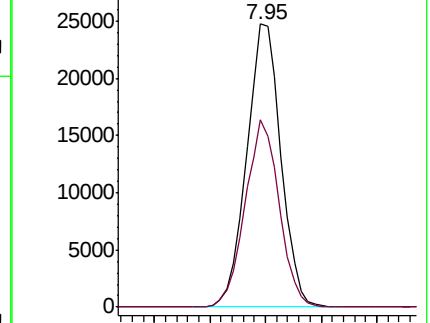
168 100

99 66.1 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 546

Delta R.T. -0.01 min

Lab File: VW008150.D

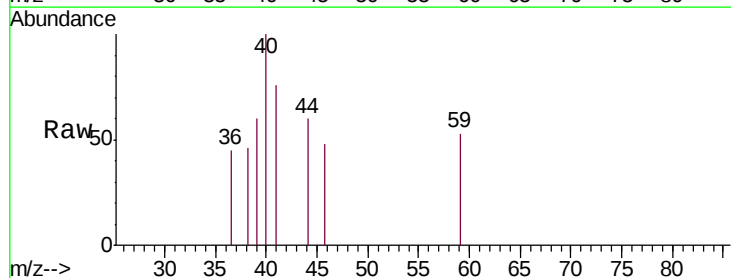
Acq: 10 Jan 2019 15:55

Tgt Ion: 59 Resp: 48

Ion Ratio Lower Upper

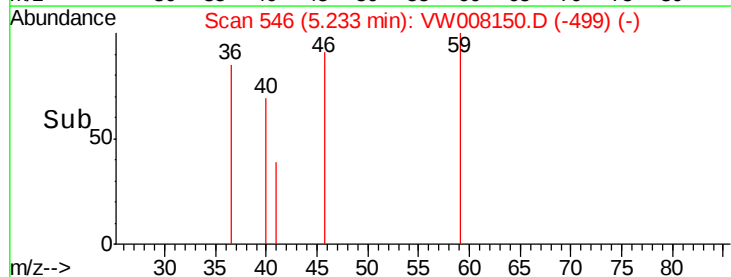
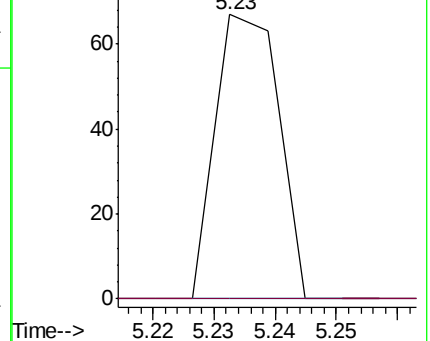
59 100

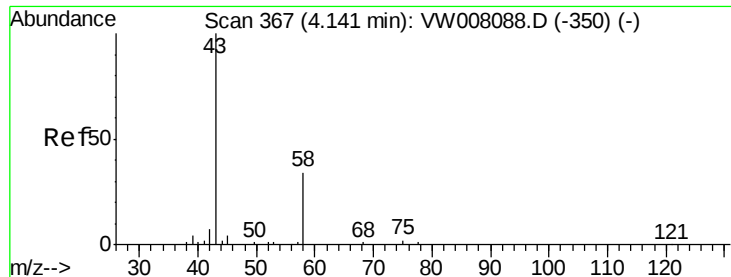
57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

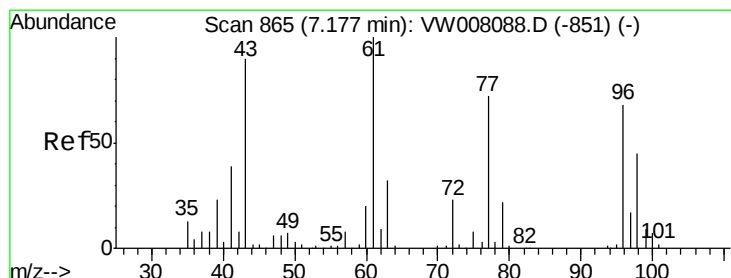
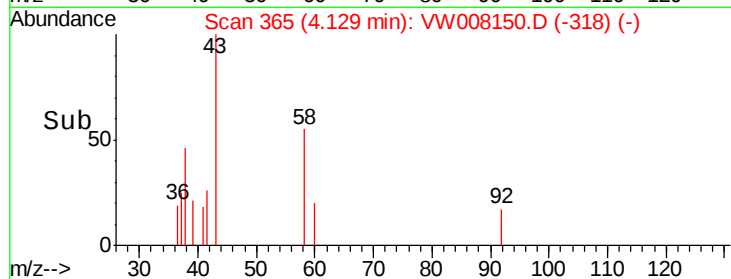
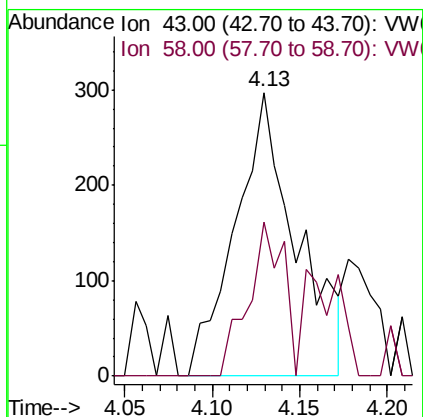
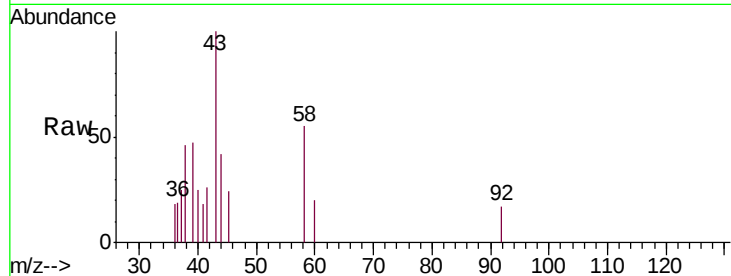




#16
Acetone
Concen: Below Cal
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW008150.D
Acq: 10 Jan 2019 15:55

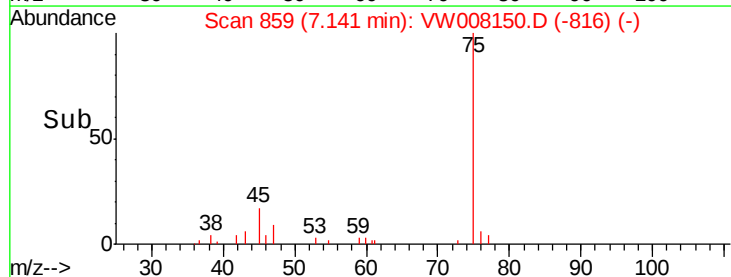
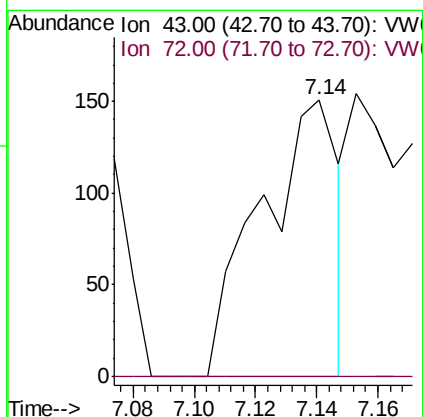
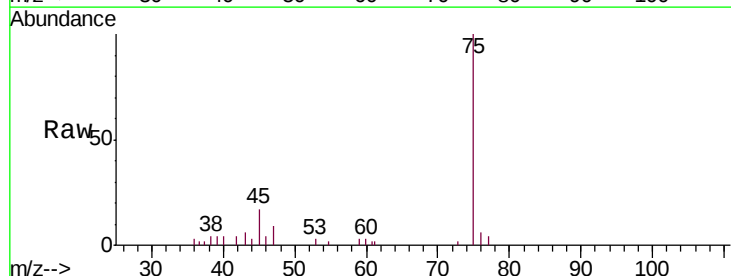
Instrument :
MSVOA_W
ClientSampleId :
BASIN-7

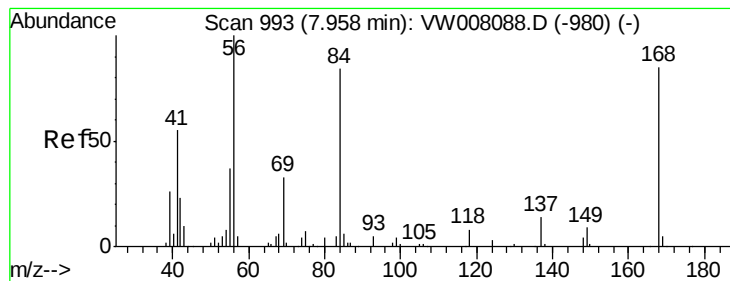
Tgt Ion: 43 Resp: 725
Ion Ratio Lower Upper
43 100
58 54.5 27.5 41.3#



#25
2-Butanone
Concen: 1.610 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.04 min
Lab File: VW008150.D
Acq: 10 Jan 2019 15:55

Tgt Ion: 43 Resp: 266
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#31

Cyclohexane

Concen: 1.291 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008150.D

Acq: 10 Jan 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

BASIN-7

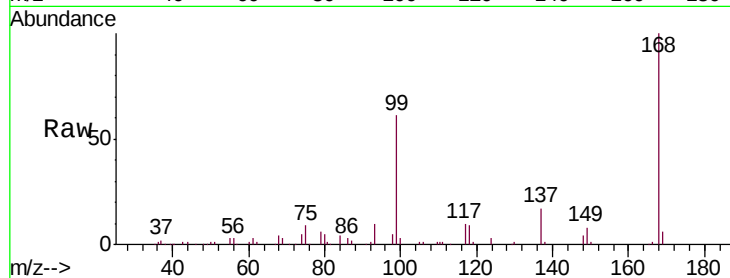
Tgt Ion: 56 Resp: 1614

Ion Ratio Lower Upper

56 100

69 126.1 26.2 39.4#

84 138.8 67.4 101.2#

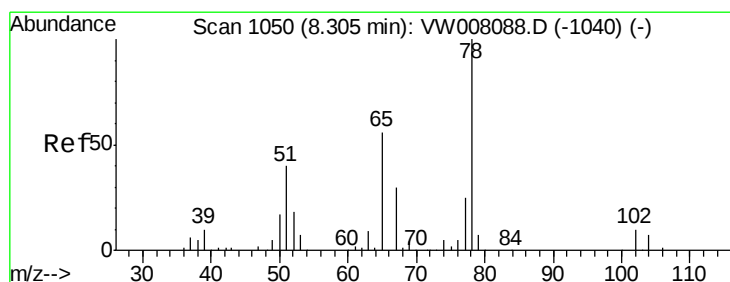
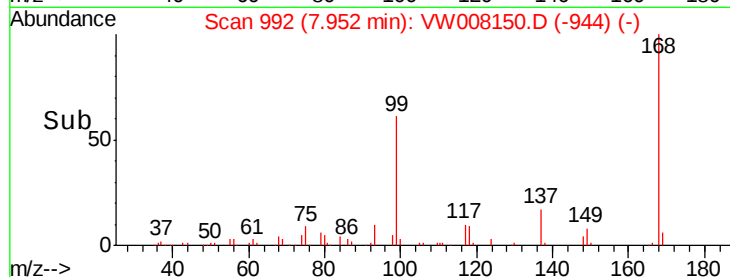
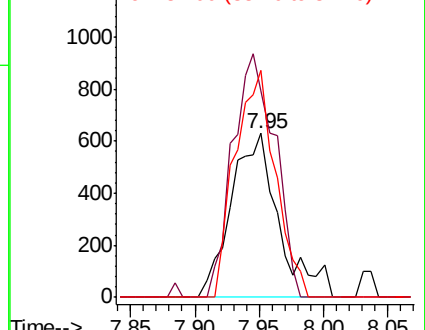


Abundance

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: 61.142 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008150.D

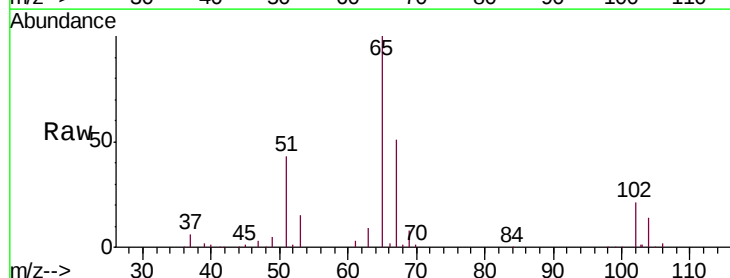
Acq: 10 Jan 2019 15:55

Tgt Ion: 65 Resp: 36316

Ion Ratio Lower Upper

65 100

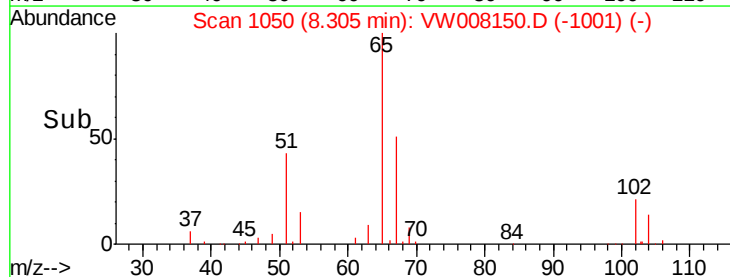
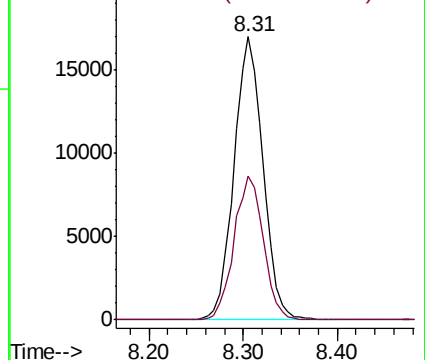
67 51.4 0.0 106.8

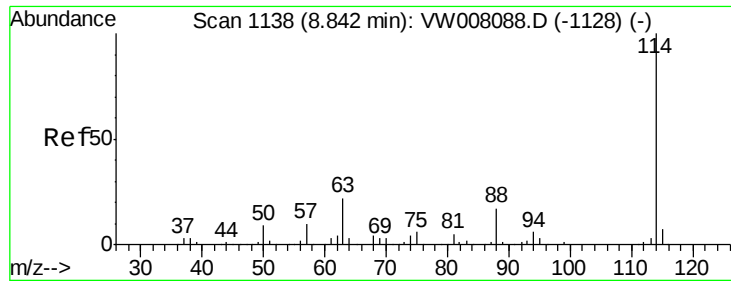


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

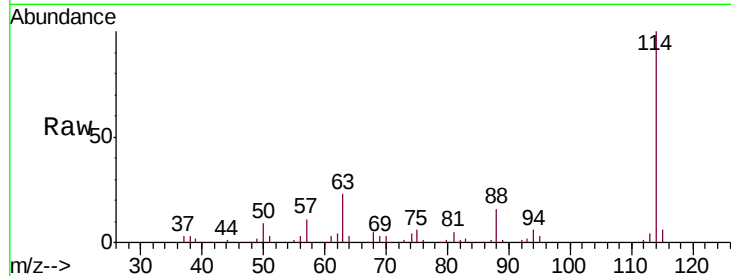




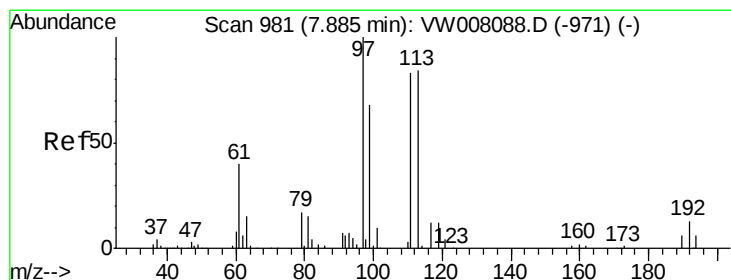
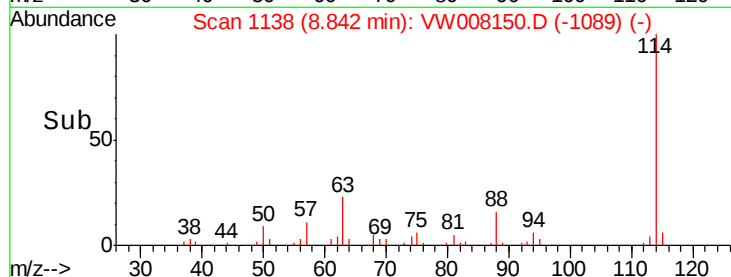
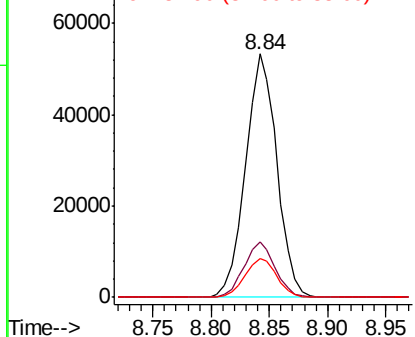
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008150.D
 Acq: 10 Jan 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 BASIN-7

Tgt Ion:114 Resp: 99994
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.4
 88 15.8 0.0 33.4

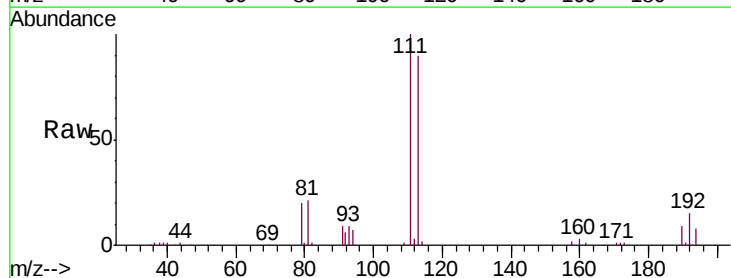


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

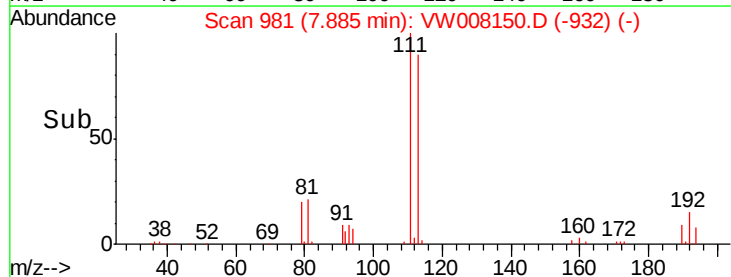
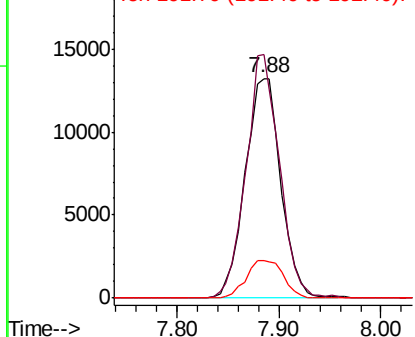


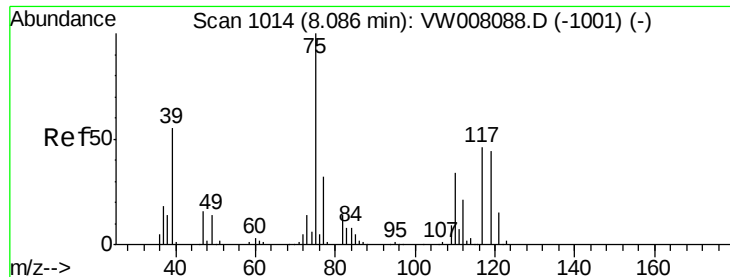
#35
 Dibromofluoromethane
 Concen: 55.288 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008150.D
 Acq: 10 Jan 2019 15:55

Tgt Ion:113 Resp: 32244
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.8 122.8
 192 17.9 12.8 19.2



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

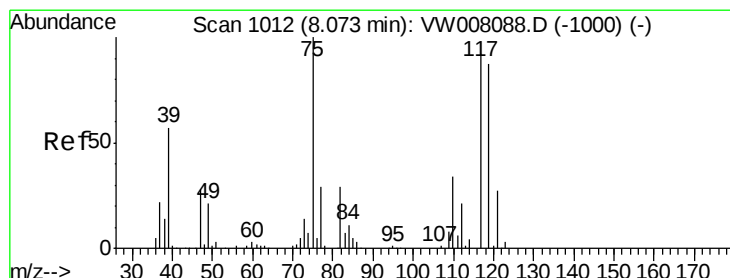
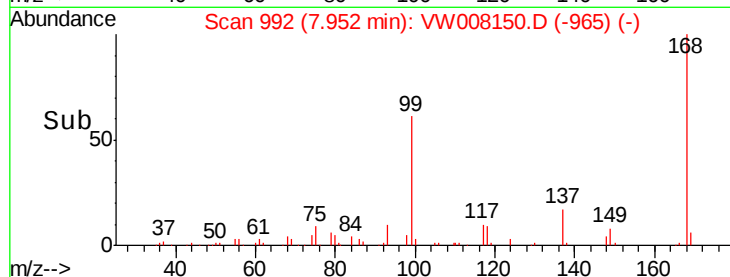
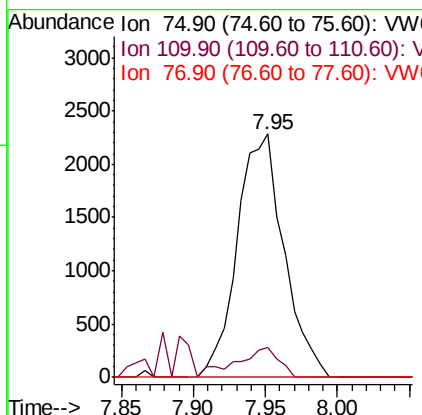
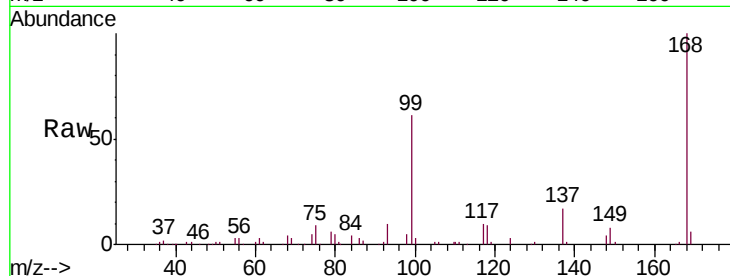




#36
 1,1-Dichloropropene
 Concen: 4.978 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008150.D
 Acq: 10 Jan 2019 15:55

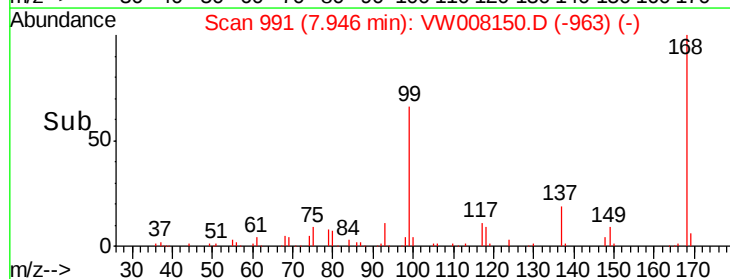
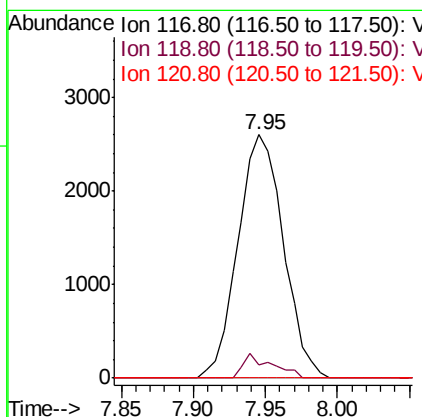
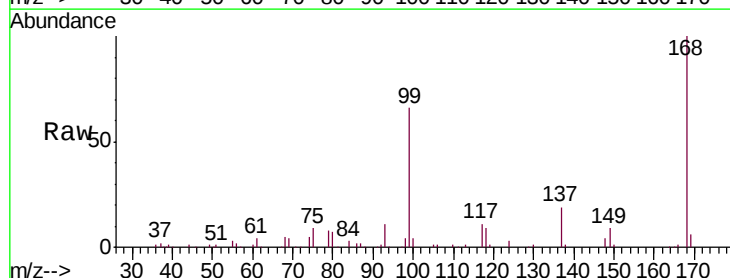
Instrument :
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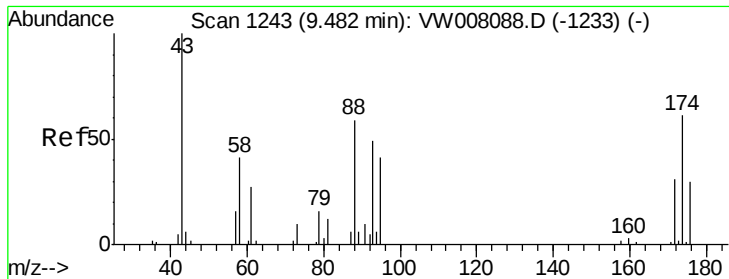
Tgt Ion: 75 Resp: 5128
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.031 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008150.D
 Acq: 10 Jan 2019 15:55

Tgt Ion: 117 Resp: 5686
 Ion Ratio Lower Upper
 117 100
 119 5.2 75.8 113.8#
 121 0.0 23.7 35.5#

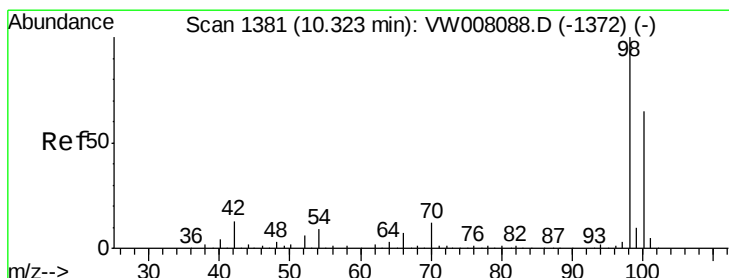
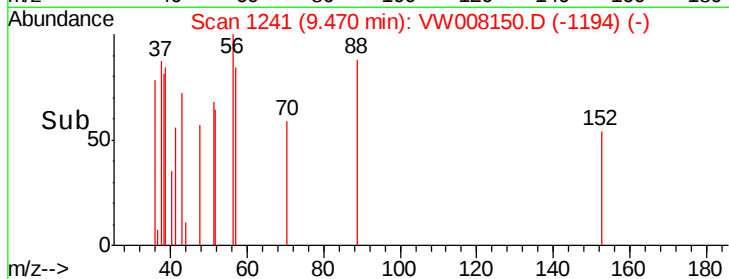
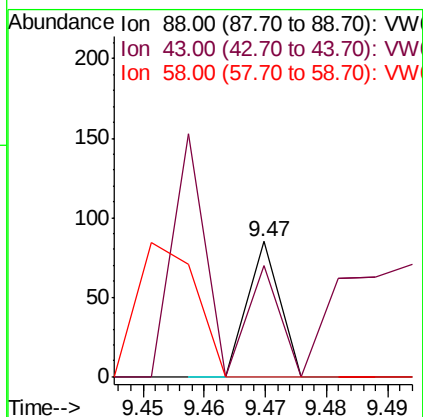
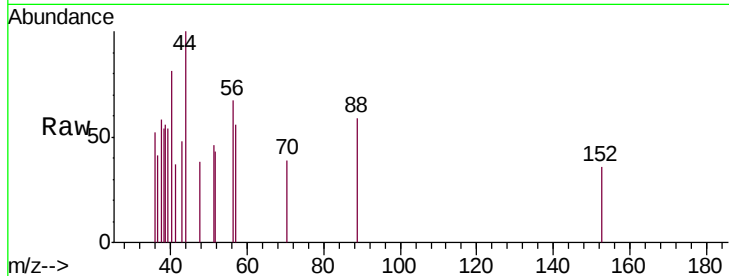




#49
1,4-Dioxane
Concen: 5.666 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW008150.D
Acq: 10 Jan 2019 15:55

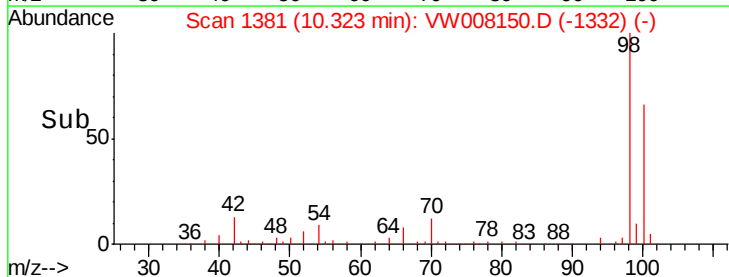
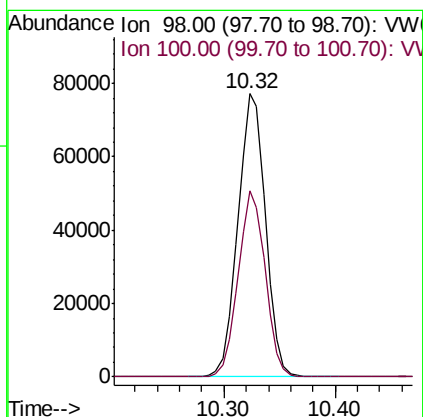
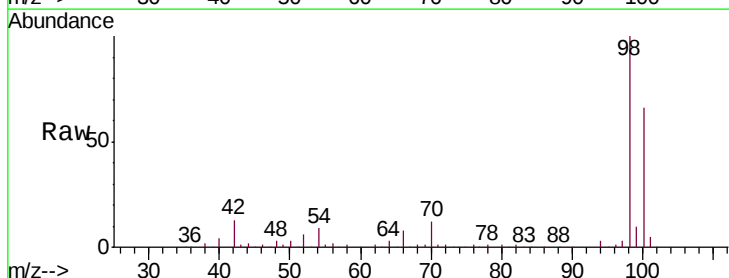
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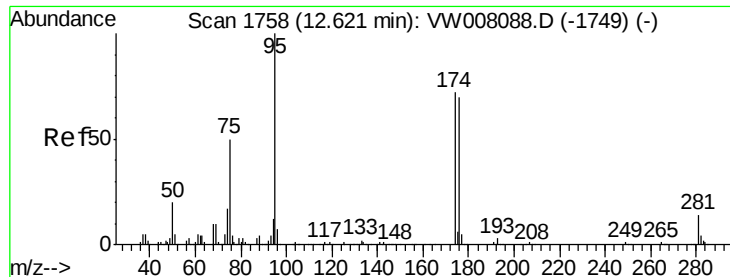
Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 264.5 0.0 0.0#
58 183.9 61.7 92.5#



#50
Toluene-d8
Concen: 53.969 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008150.D
Acq: 10 Jan 2019 15:55

Tgt Ion: 98 Resp: 132081
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 49.400 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008150.D

Acq: 10 Jan 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

BASIN-7

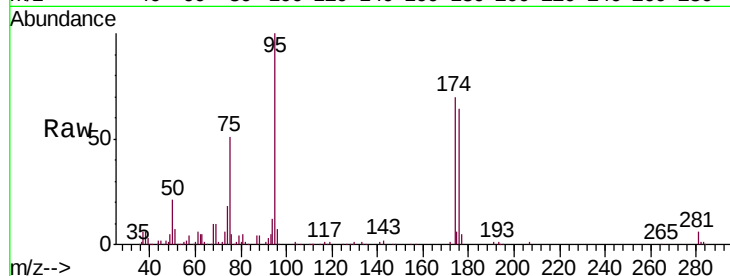
Tgt Ion: 95 Resp: 43342

Ion Ratio Lower Upper

95 100

174 68.9 0.0 143.0

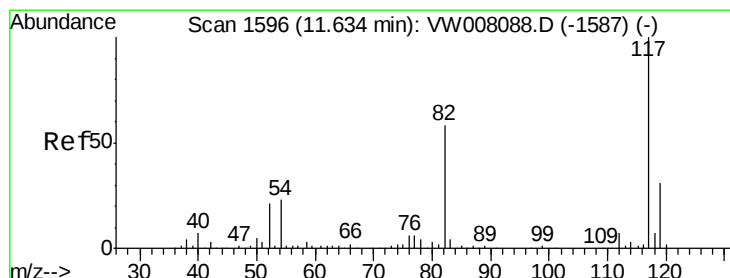
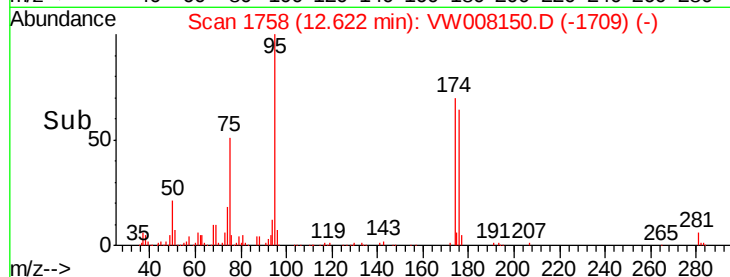
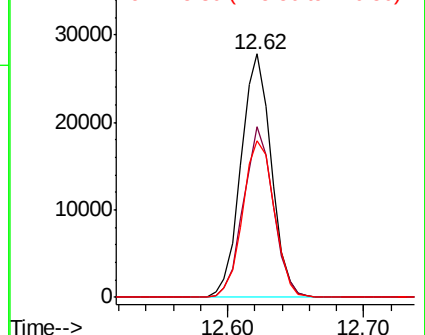
176 66.9 0.0 140.2



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: VW008150.D

Acq: 10 Jan 2019 15:55

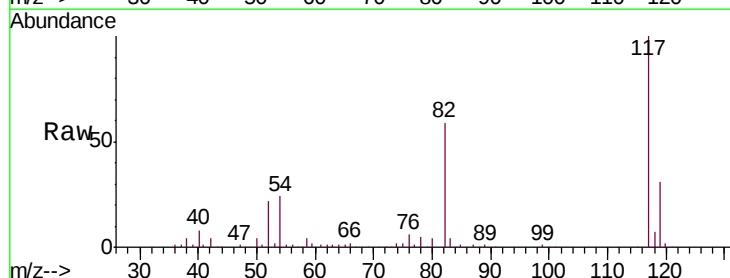
Tgt Ion: 117 Resp: 91951

Ion Ratio Lower Upper

117 100

82 59.1 46.4 69.6

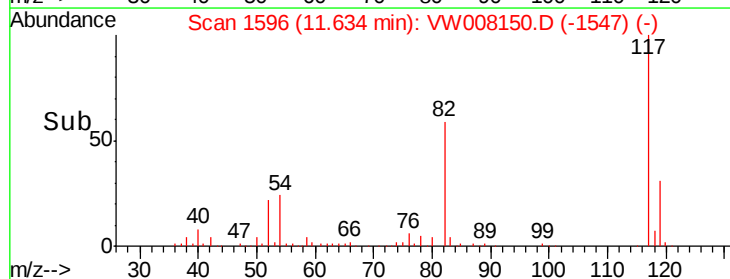
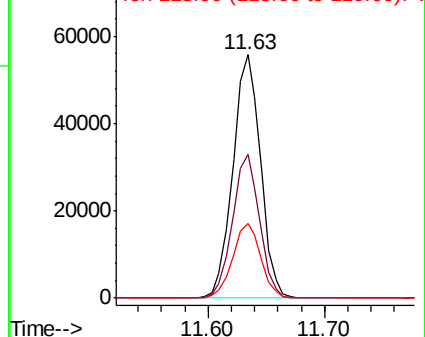
119 30.5 24.7 37.1

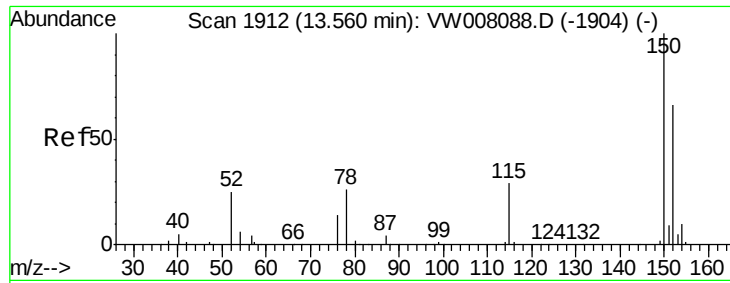


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008150.D

Acq: 10 Jan 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

BASIN-7

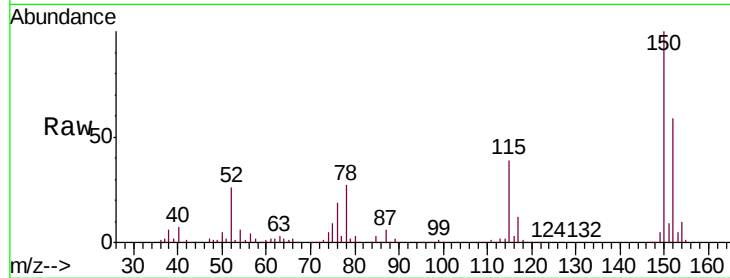
Tgt Ion:152 Resp: 40397

Ion Ratio Lower Upper

152 100

115 61.7 30.8 92.4

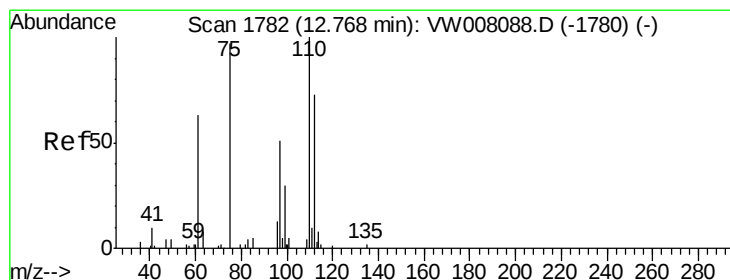
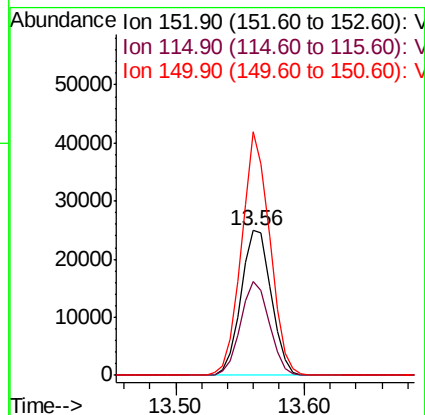
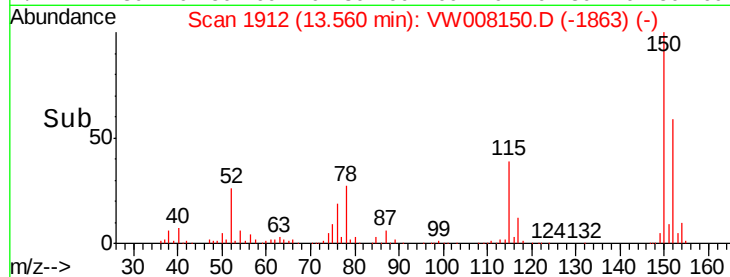
150 156.6 0.0 350.2



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: 60.663 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008150.D

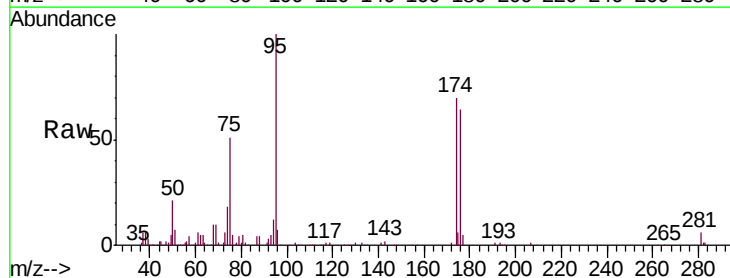
Acq: 10 Jan 2019 15:55

Tgt Ion: 75 Resp: 22340

Ion Ratio Lower Upper

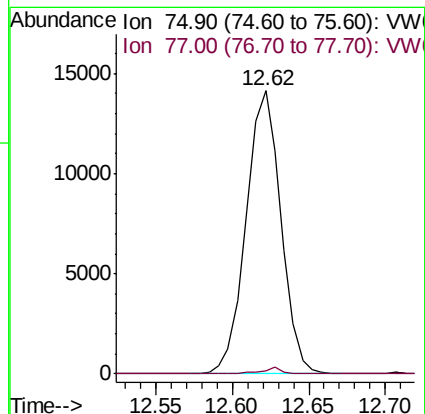
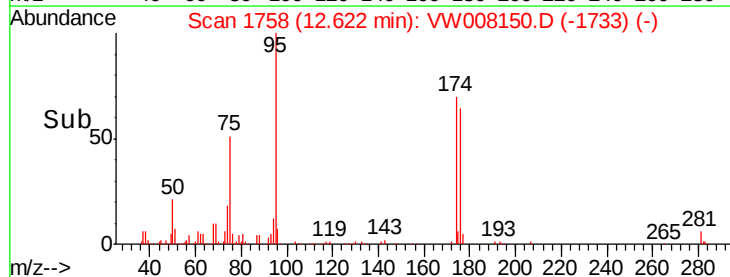
75 100

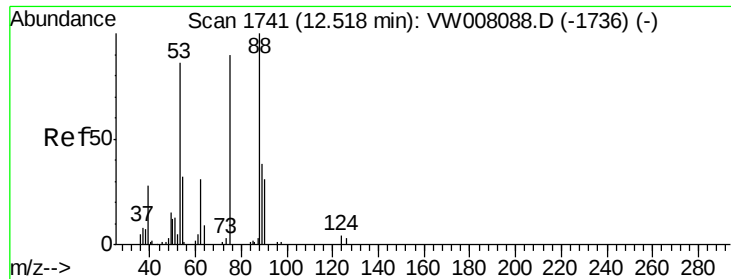
77 1.3 179.4 538.2#



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: 141.266 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008150.D

Acq: 10 Jan 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

BASIN-7

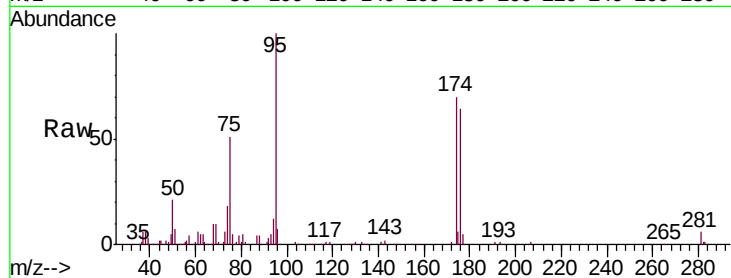
Tgt Ion: 75 Resp: 22340

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.1 35.4 53.2#



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

