

Data File : VW008174.D
Acq On : 11 Jan 2019 04:13
Operator : SY/AP
Sample : K1005-05RE
Misc : 7.06G/5ML/MSVOA_W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-06-010918-C

Quant Time: Jan 11 07:24:48 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	88978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	163579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	142631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	58914	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	54768	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	
35) Dibromofluoromethane	7.88	113	50477	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	10.32	98	206494	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.62	95	67332	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	

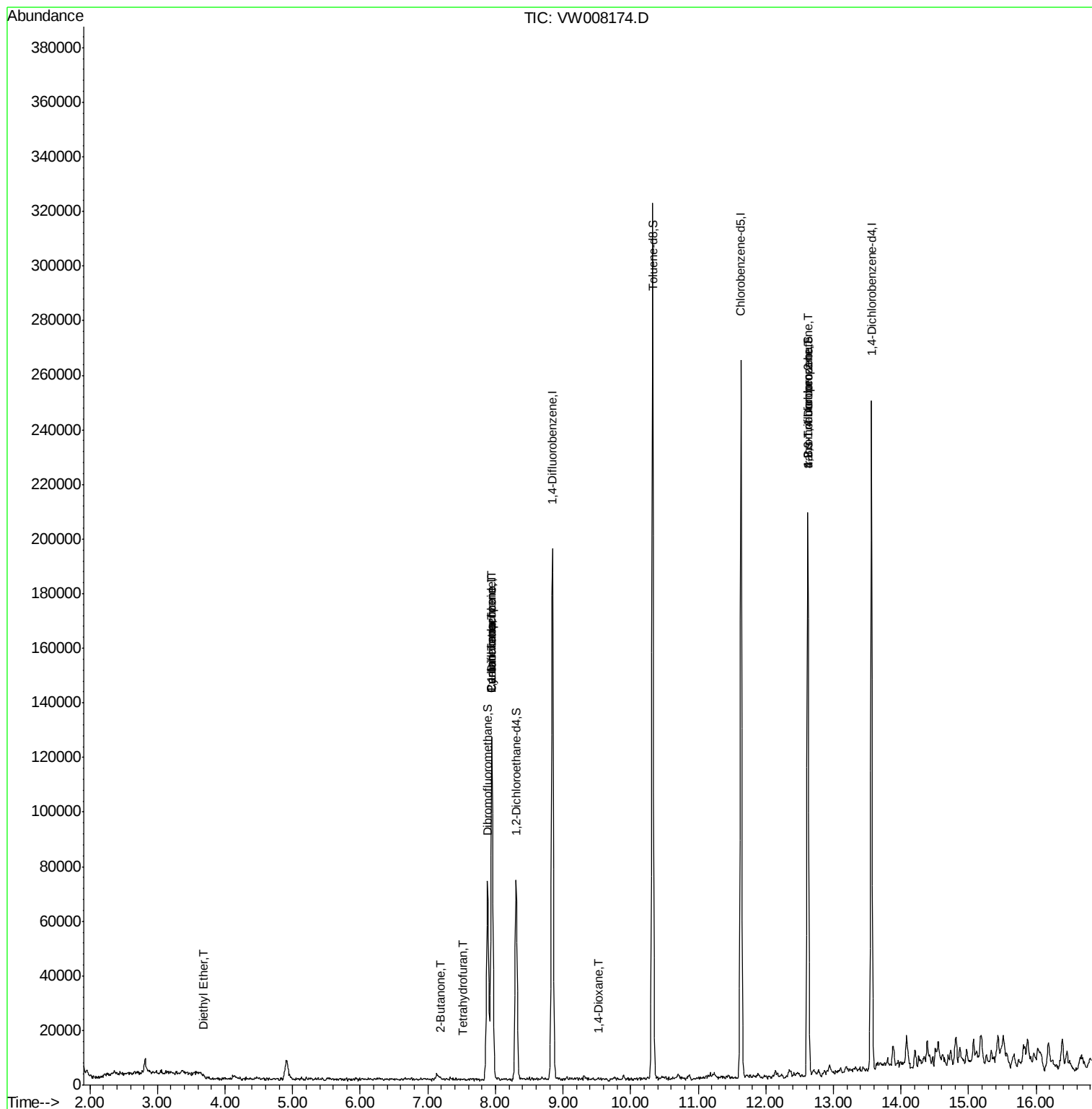
Target Compounds			Qvalue			
8) Diethyl Ether	3.68	74	580	1.026	ug/l	96
11) Tert butyl alcohol	5.24	59	21	Below Cal	#	100
16) Acetone	4.15	43	2886	Below Cal	#	85
25) 2-Butanone	7.19	43	345	1.240	ug/l #	49
29) Tetrahydrofuran	7.52	42	211	1.135	ug/l #	85
31) Cyclohexane	7.95	56	2717	1.291	ug/l #	33
36) 1,1-Dichloropropene	7.95	75	7926	4.704	ug/l #	52
38) Carbon Tetrachloride	7.95	117	9416	6.105	ug/l #	17
49) 1,4-Dioxane	9.52	88	45	5.028	ug/l #	11
76) 1,2,3-Trichloropropane	12.62	75	33723	62.791	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	33723	146.222	ug/l #	11

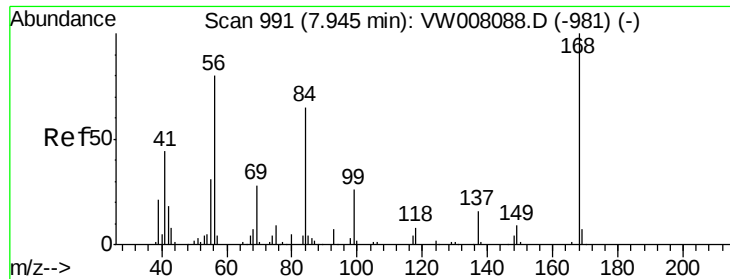
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008174.D

Acq: 11 Jan 2019 04:13

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MSVOA_W

ClientSampleId :

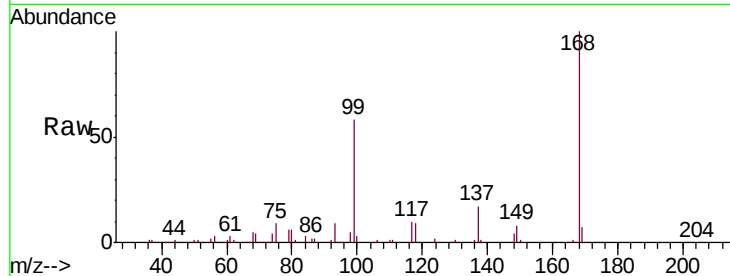
HR-06-010918-C

Tgt Ion:168 Resp: 88978

Ion Ratio Lower Upper

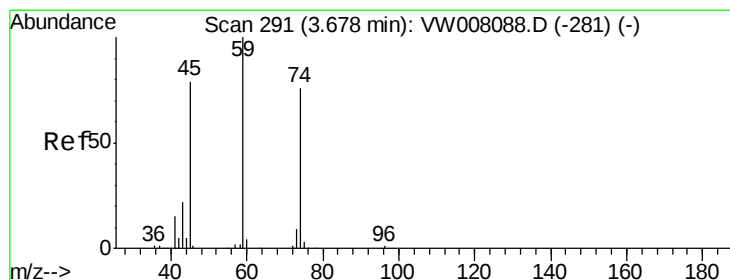
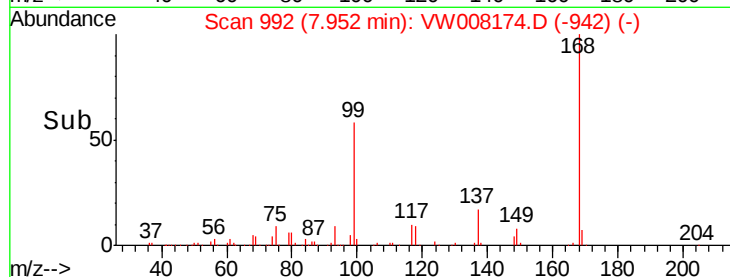
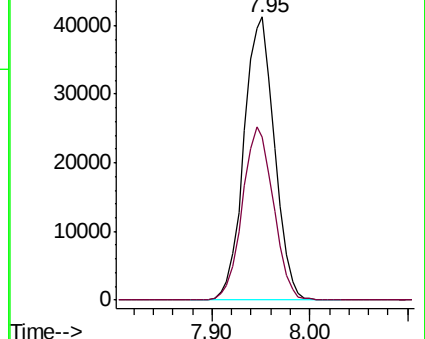
168 100

99 57.8 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.026 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW008174.D

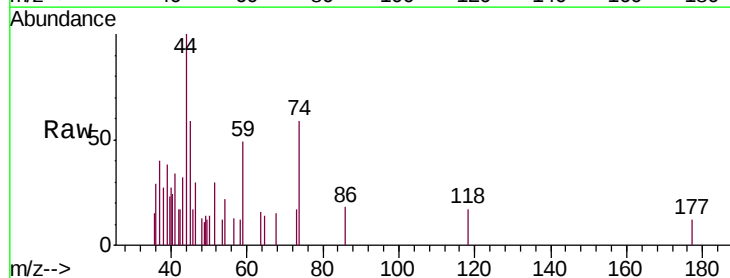
Acq: 11 Jan 2019 04:13

Tgt Ion: 74 Resp: 580

Ion Ratio Lower Upper

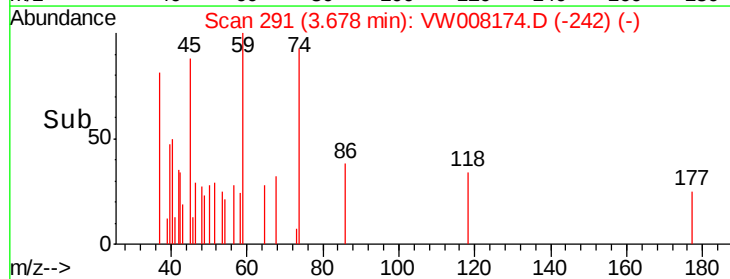
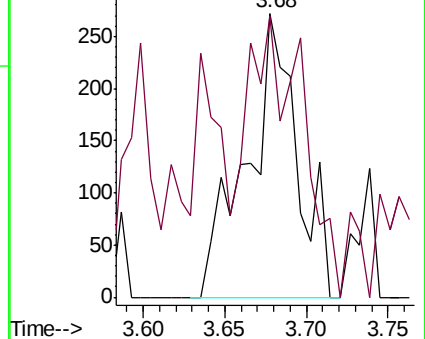
74 100

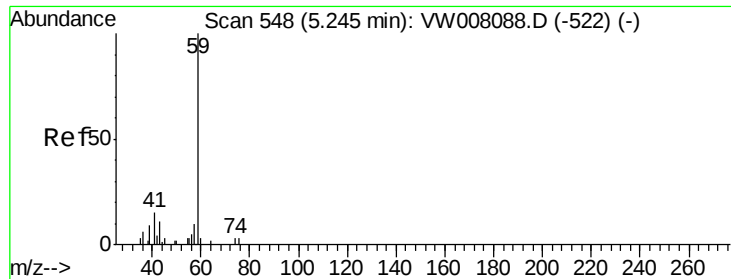
45 109.1 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

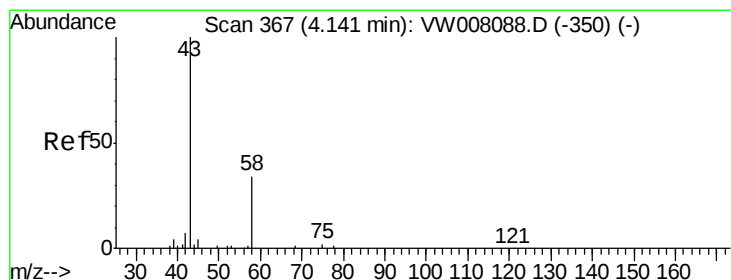
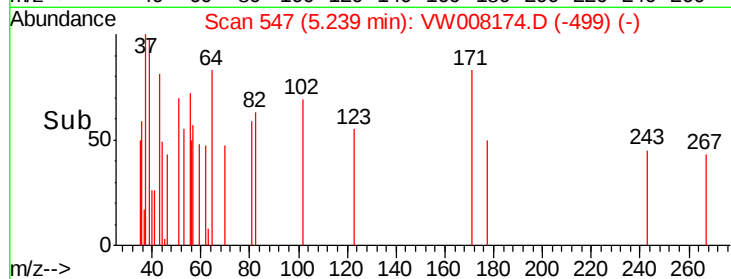
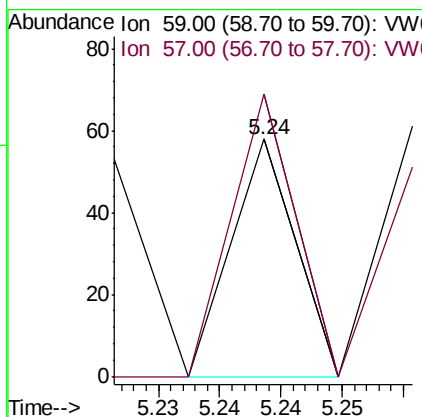
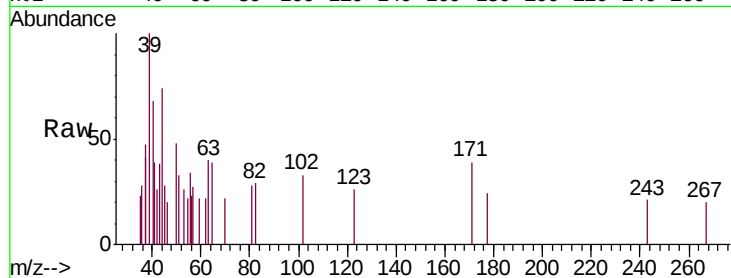




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW008174.D
Acq: 11 Jan 2019 04:13

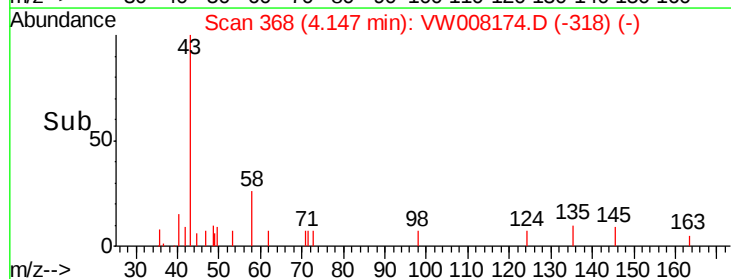
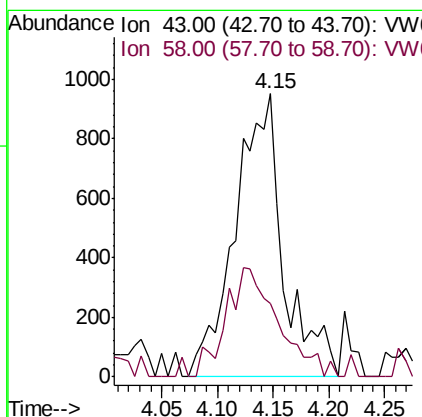
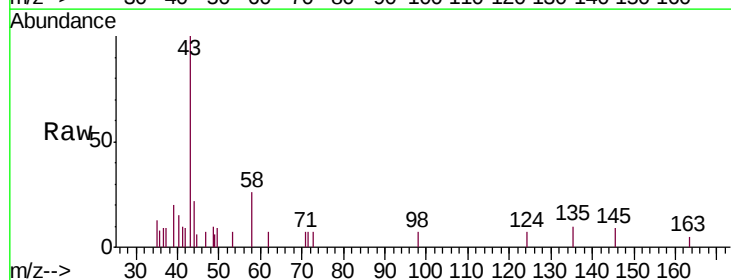
Instrument :
MSVOA_W
ClientSampleId :
HR-06-010918-C

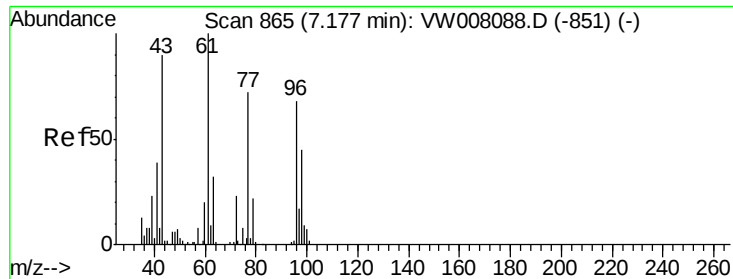
Tgt Ion: 59 Resp: 21
Ion Ratio Lower Upper
59 100
57 119.0 0.0 0.0#



#16
Acetone
Concen: Below Cal
RT: 4.15 min Scan# 368
Delta R.T. 0.01 min
Lab File: VW008174.D
Acq: 11 Jan 2019 04:13

Tgt Ion: 43 Resp: 2886
Ion Ratio Lower Upper
43 100
58 25.9 27.5 41.3#

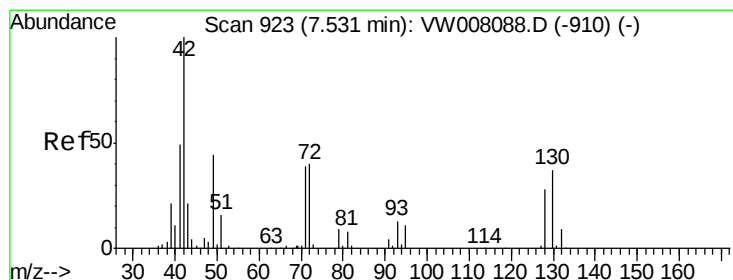
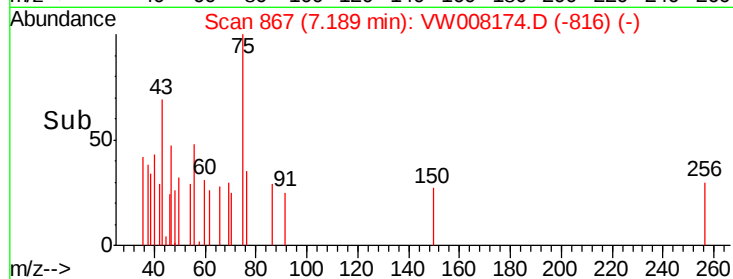
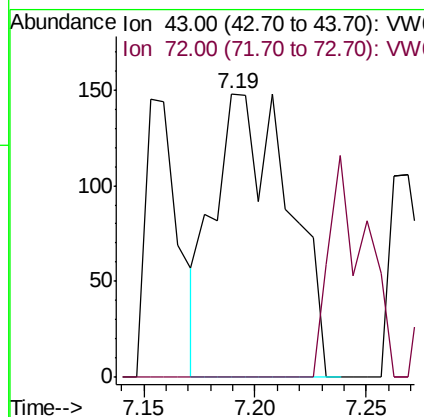
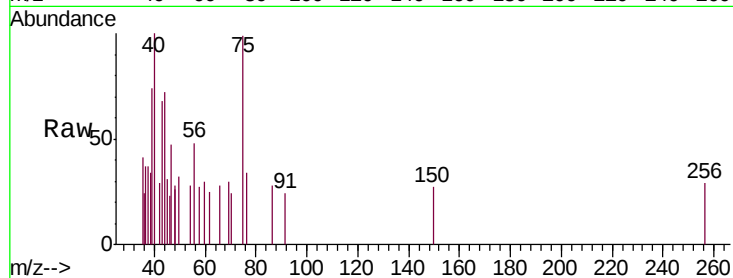




#25
 2-Butanone
 Concen: 1.240 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VW008174.D
 Acq: 11 Jan 2019 04:13

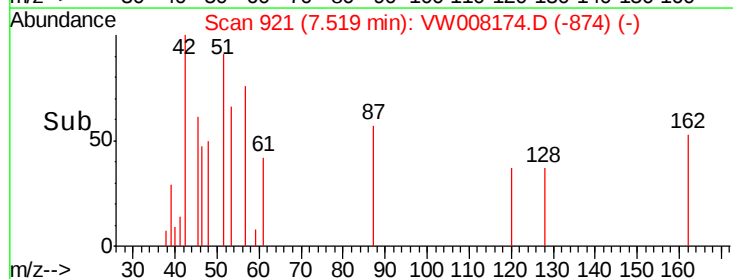
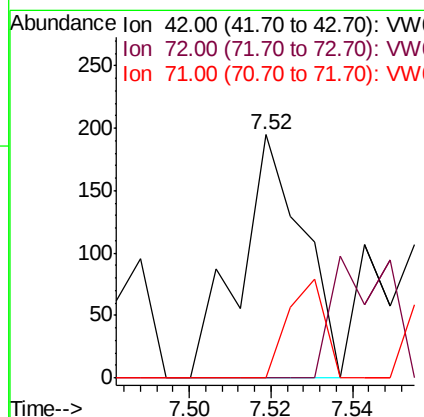
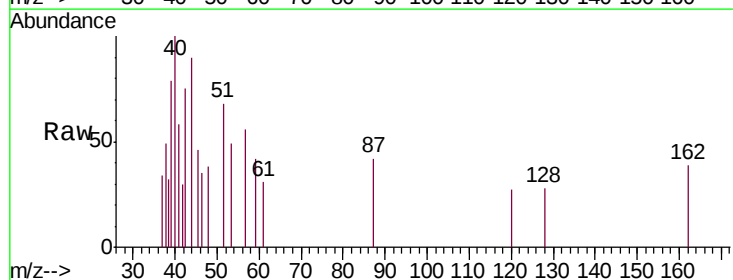
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-010918-C

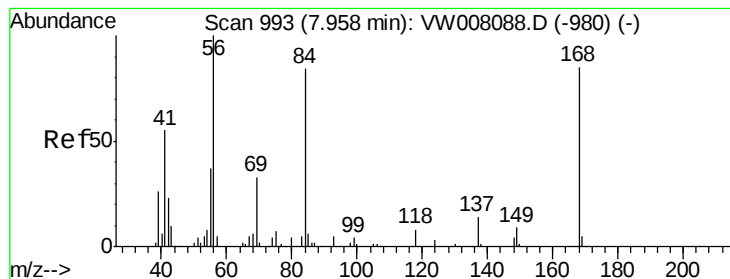
Tgt Ion: 43 Resp: 345
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.5 30.7#



#29
 Tetrahydrofuran
 Concen: 1.135 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VW008174.D
 Acq: 11 Jan 2019 04:13

Tgt Ion: 42 Resp: 211
 Ion Ratio Lower Upper
 42 100
 72 43.6 32.4 48.6
 71 23.7 31.3 46.9#





#31

Cyclohexane

Concen: 1.291 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008174.D

Acq: 11 Jan 2019 04:13

Instrument :

MSVOA_W

ClientSampleId :

HR-06-010918-C

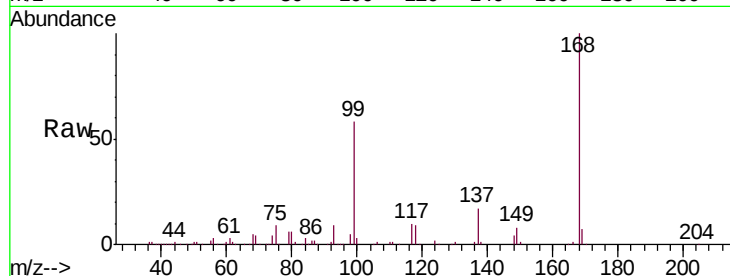
Tgt Ion: 56 Resp: 2717

Ion Ratio Lower Upper

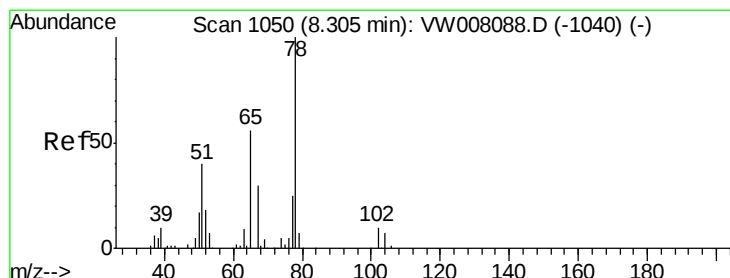
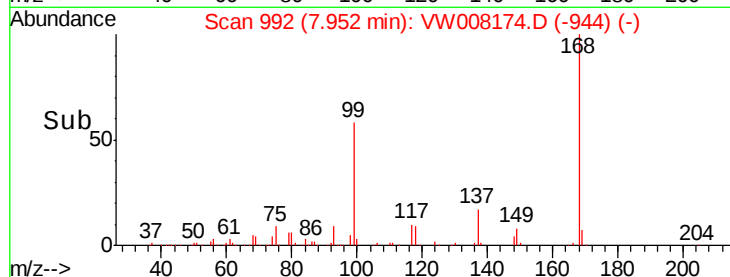
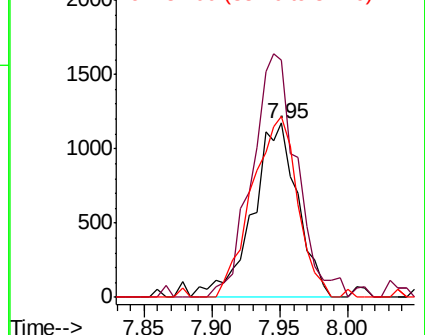
56 100

69 136.1 26.2 39.4#

84 103.8 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: 54.766 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008174.D

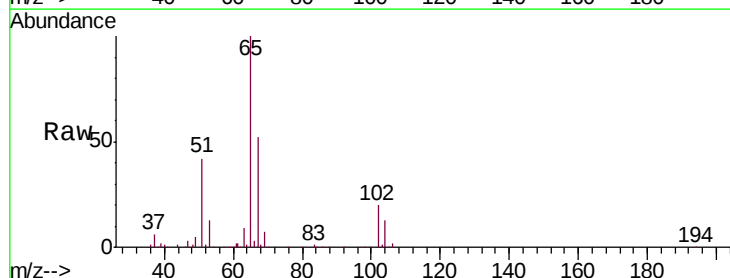
Acq: 11 Jan 2019 04:13

Tgt Ion: 65 Resp: 54768

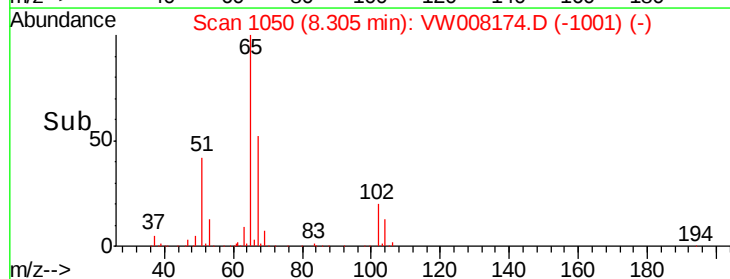
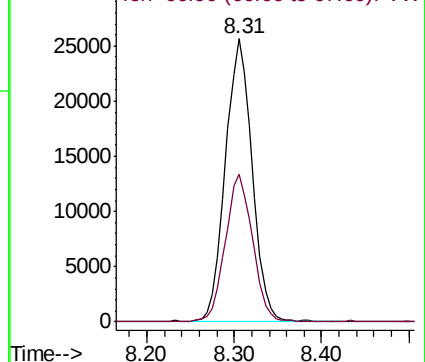
Ion Ratio Lower Upper

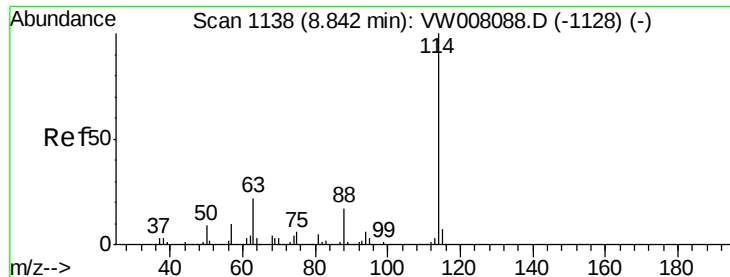
65 100

67 52.9 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: VW008174.D

Acq: 11 Jan 2019 04:13

Instrument :

MSVOA_W

ClientSampleId :

HR-06-010918-C

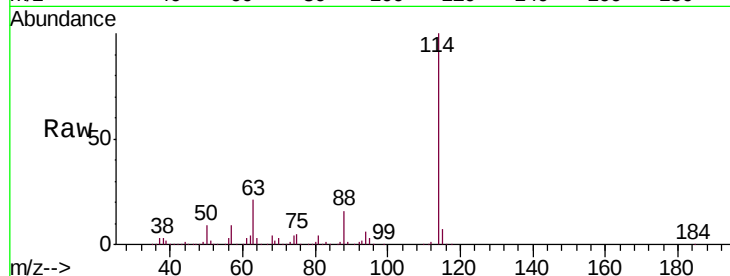
Tgt Ion:114 Resp: 163579

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.4

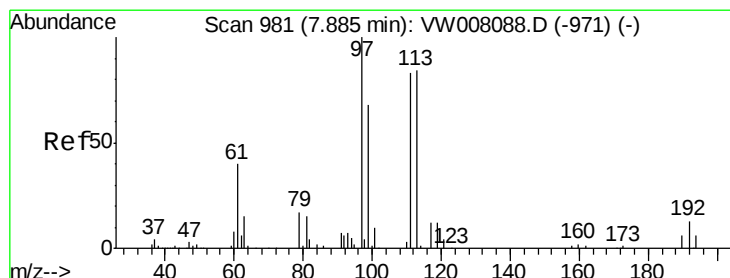
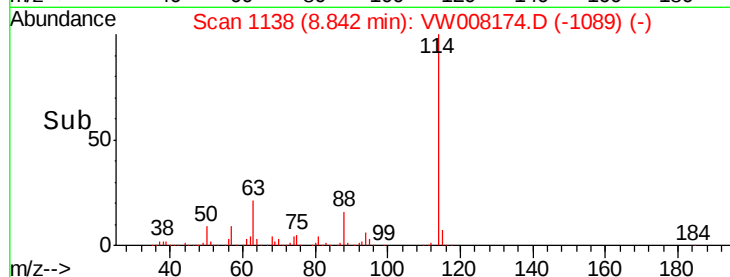
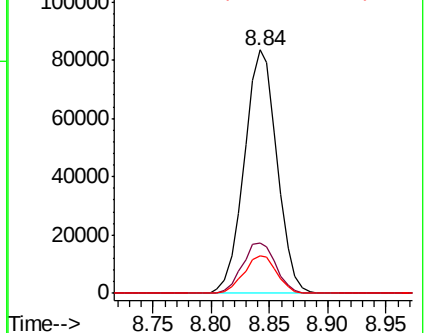
88 15.6 0.0 33.4



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: 52.908 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008174.D

Acq: 11 Jan 2019 04:13

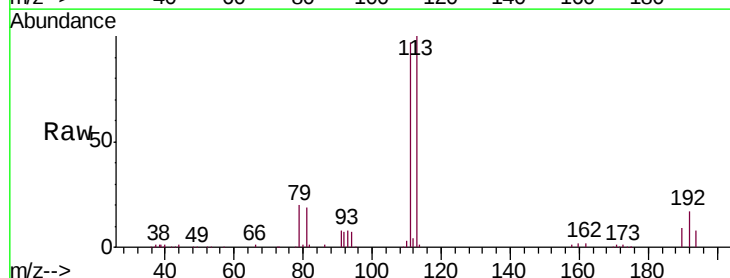
Tgt Ion:113 Resp: 50477

Ion Ratio Lower Upper

113 100

111 104.7 81.8 122.8

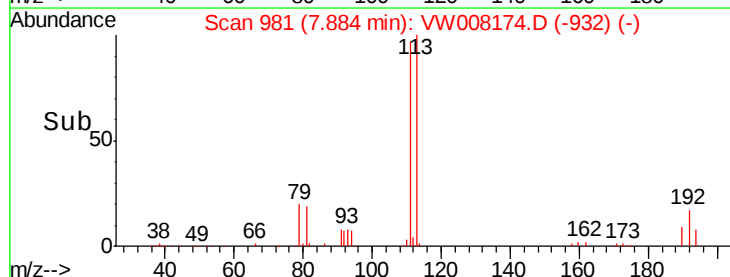
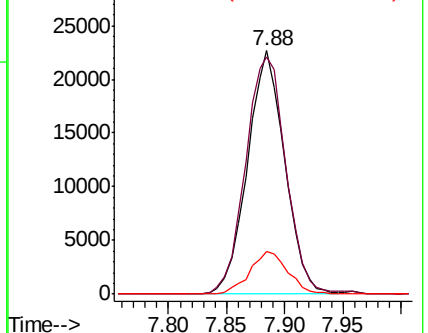
192 17.6 12.8 19.2

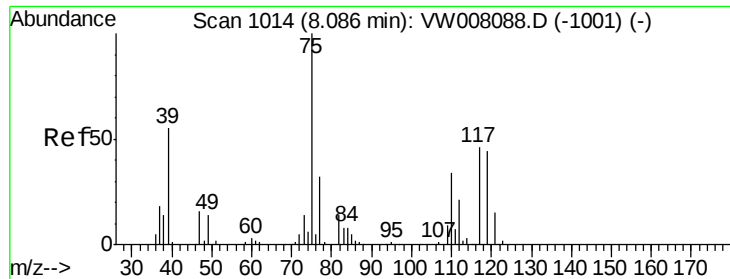


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

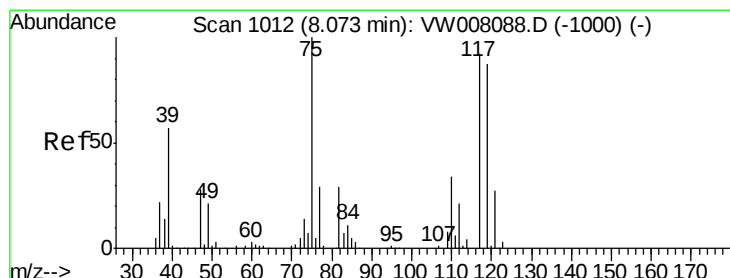
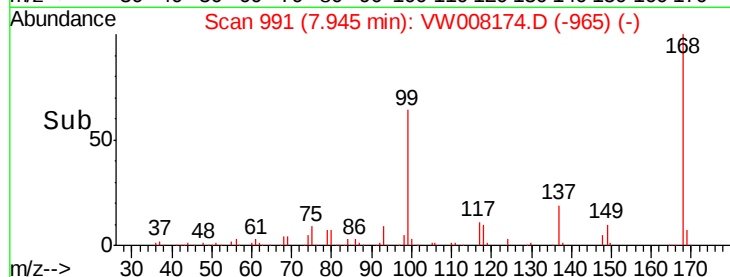
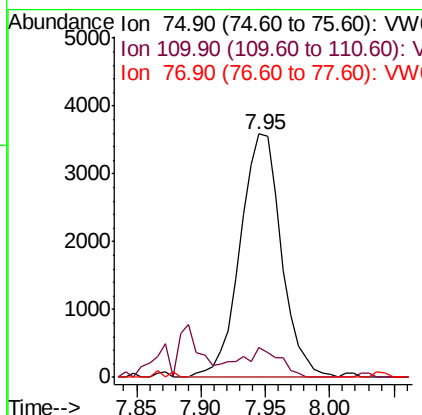
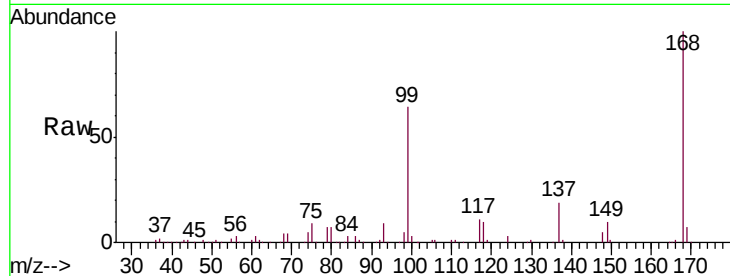




#36
 1,1-Dichloropropene
 Concen: 4.704 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008174.D
 Acq: 11 Jan 2019 04:13

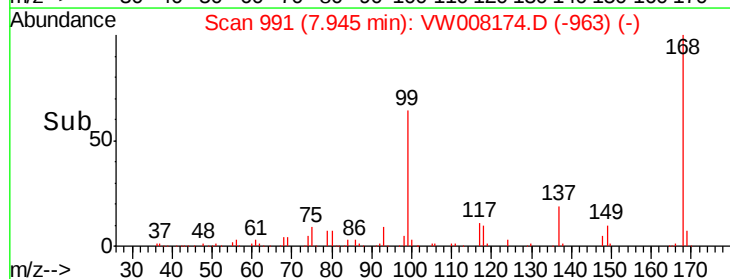
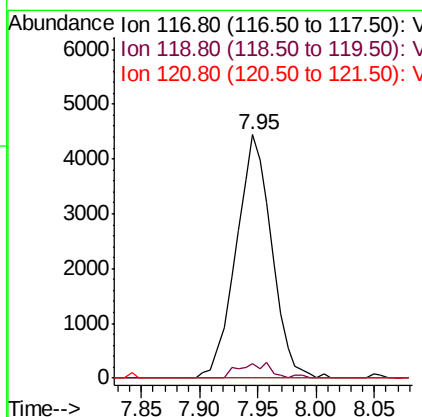
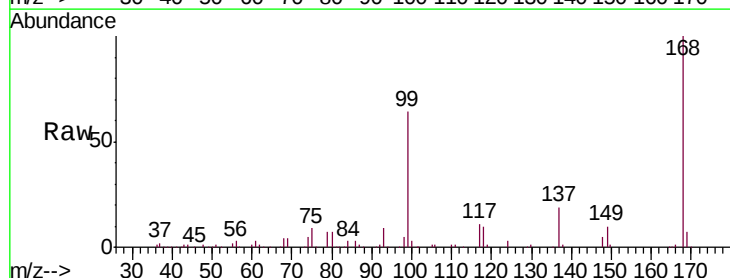
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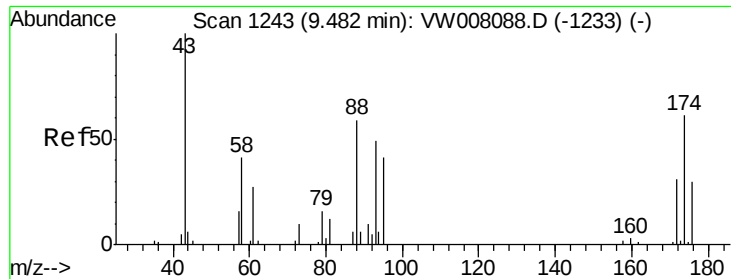
Tgt Ion: 75 Resp: 7926
 Ion Ratio Lower Upper
 75 100
 110 11.6 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.105 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008174.D
 Acq: 11 Jan 2019 04:13

Tgt Ion: 117 Resp: 9416
 Ion Ratio Lower Upper
 117 100
 119 5.8 75.8 113.8#
 121 0.0 23.7 35.5#

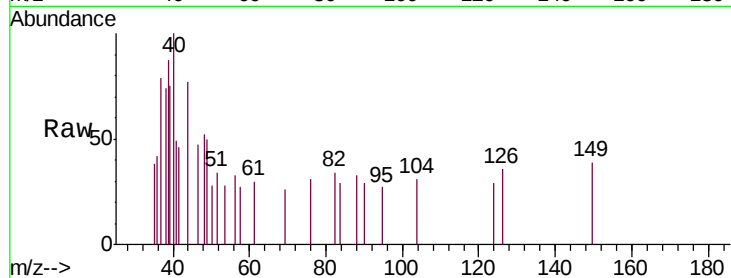




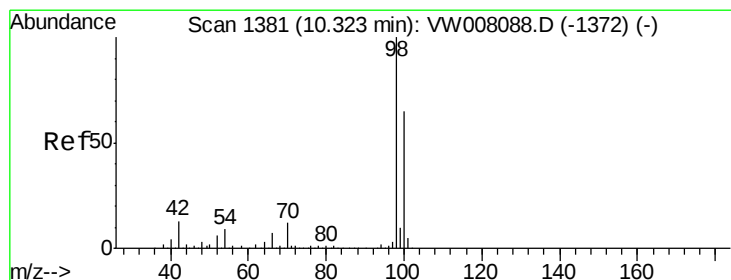
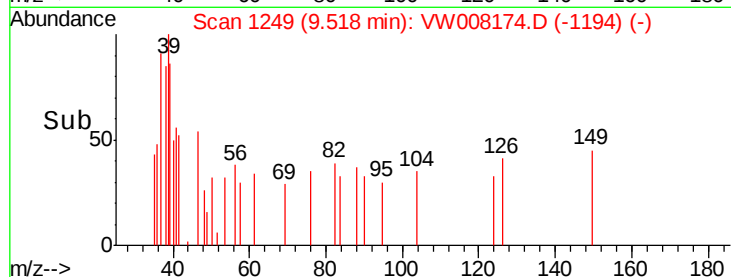
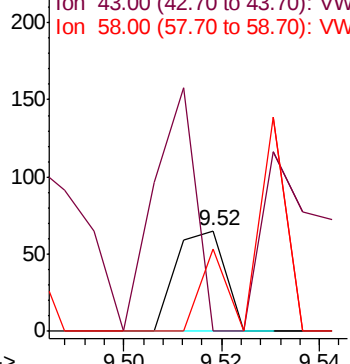
#49
1,4-Dioxane
Concen: 5.028 ug/l
RT: 9.52 min Scan# 1249
Delta R.T. 0.04 min
Lab File: VW008174.D
Acq: 11 Jan 2019 04:13

Instrument :
MSVOA_W
ClientSampleId :
HR-06-010918-C

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 206.7 0.0 0.0#
58 0.0 61.7 92.5#

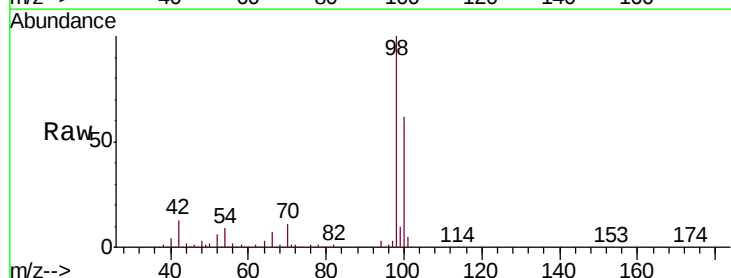


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

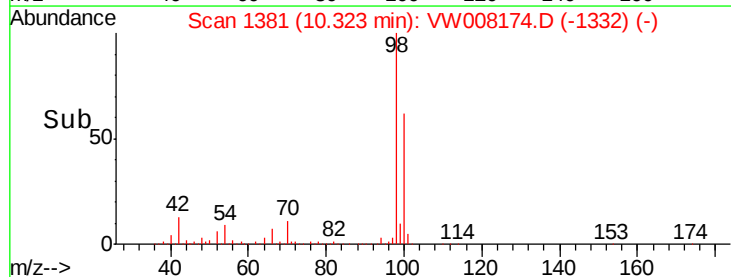
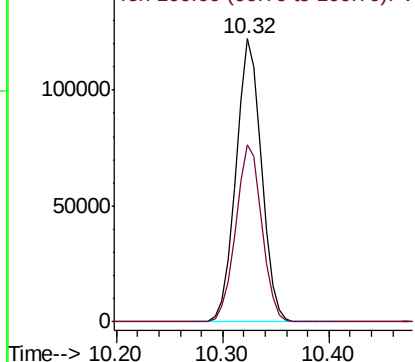


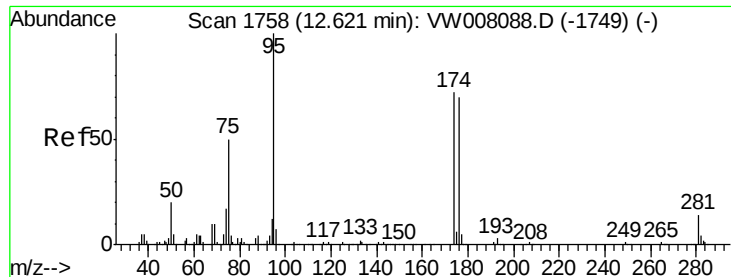
#50
Toluene-d8
Concen: 51.577 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008174.D
Acq: 11 Jan 2019 04:13

Tgt Ion: 98 Resp: 206494
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 46.912 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008174.D

Acq: 11 Jan 2019 04:13

Instrument :

MSVOA_W

ClientSampleId :

HR-06-010918-C

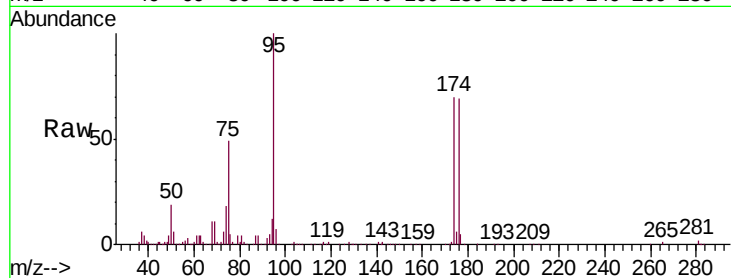
Tgt Ion: 95 Resp: 67332

Ion Ratio Lower Upper

95 100

174 71.0 0.0 143.0

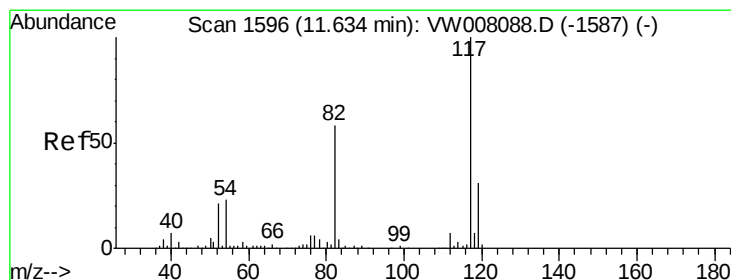
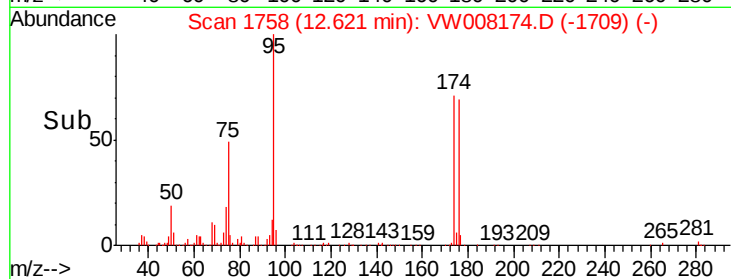
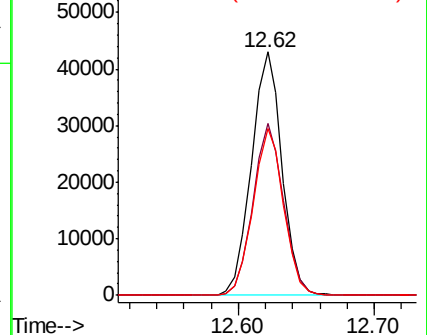
176 69.0 0.0 140.2



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: VW008174.D

Acq: 11 Jan 2019 04:13

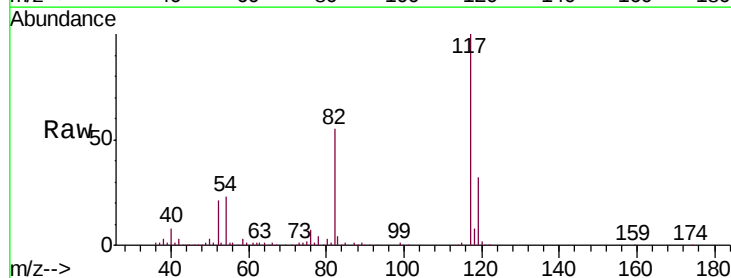
Tgt Ion: 117 Resp: 142631

Ion Ratio Lower Upper

117 100

82 55.0 46.4 69.6

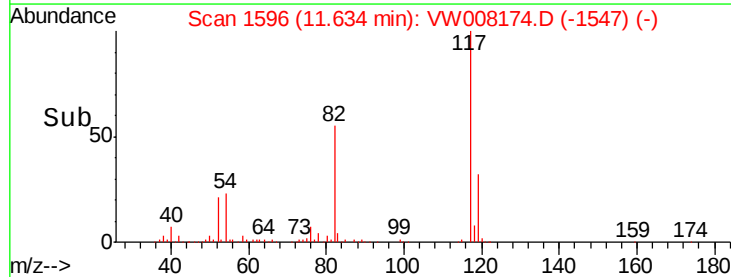
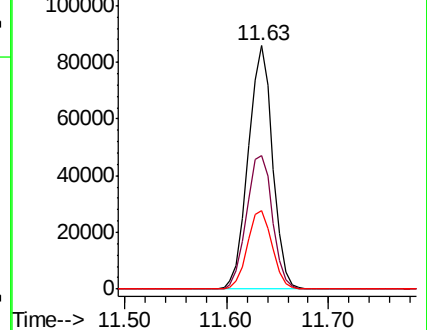
119 32.0 24.7 37.1

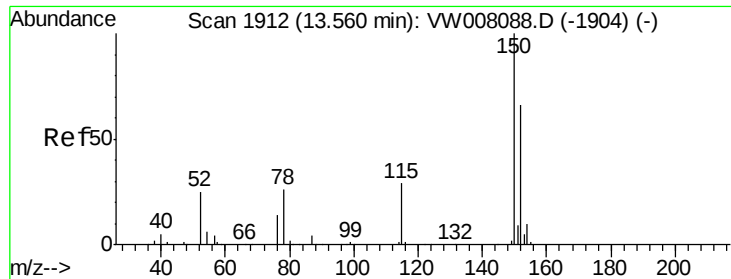


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008174.D

Acq: 11 Jan 2019 04:13

Instrument :

MSVOA_W

ClientSampleId :

HR-06-010918-C

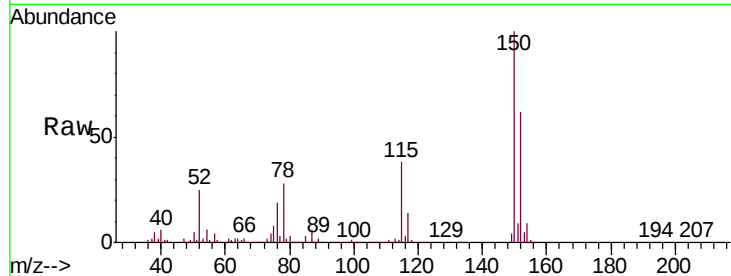
Tgt Ion:152 Resp: 58914

Ion Ratio Lower Upper

152 100

115 61.6 30.8 92.4

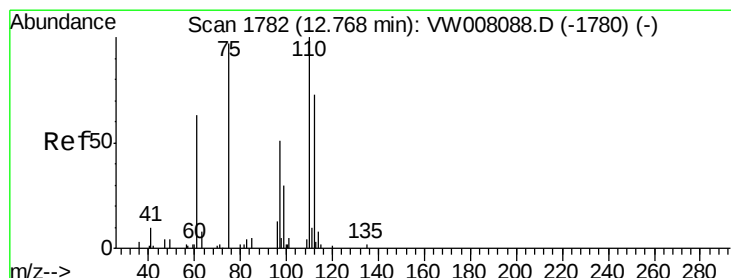
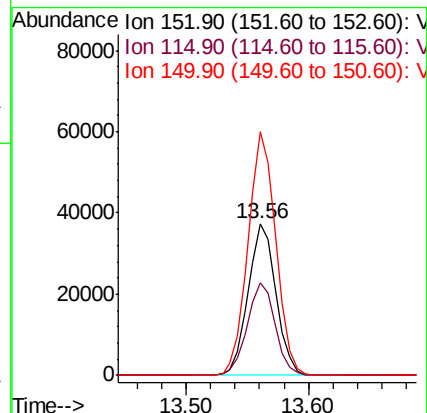
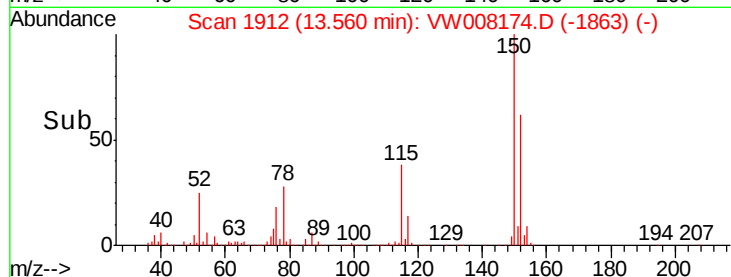
150 160.6 0.0 350.2



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: 62.791 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008174.D

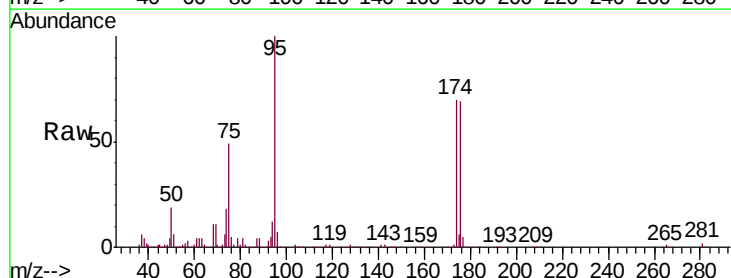
Acq: 11 Jan 2019 04:13

Tgt Ion: 75 Resp: 33723

Ion Ratio Lower Upper

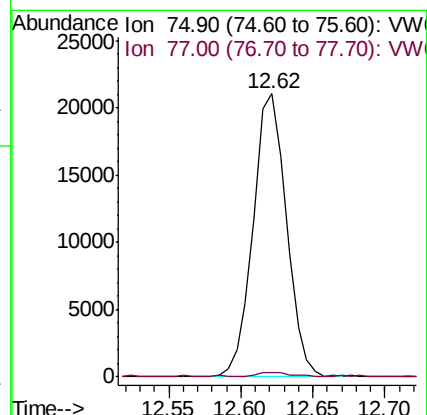
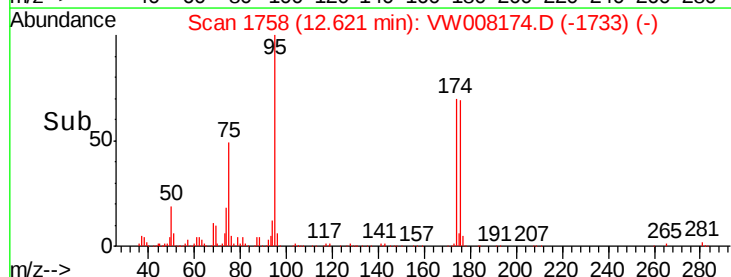
75 100

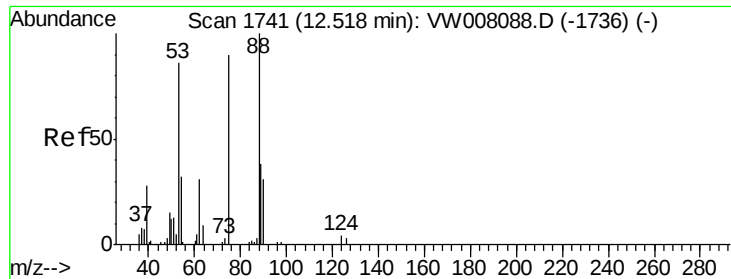
77 1.7 179.4 538.2#



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: 146.222 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008174.D

Acq: 11 Jan 2019 04:13

Instrument :

MSVOA_W

ClientSampleId :

HR-06-010918-C

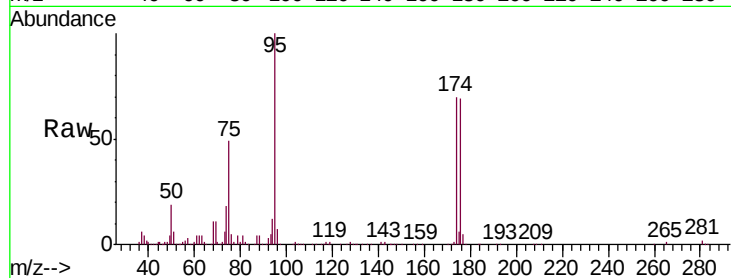
Tgt Ion: 75 Resp: 33723

Ion Ratio Lower Upper

75 100

53 1.0 78.8 118.2#

89 0.3 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

