

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121318\
 Data File : VW007431.D
 Acq On : 12 Dec 2018 08:40
 Operator : SY/AP
 Sample : J6322-07
 Misc : 6.70G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 12 11:12:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	147713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	130979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	58114	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	41166	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
35) Dibromofluoromethane	7.88	113	37756	42.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.44%	
50) Toluene-d8	10.32	98	132684	39.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.16%	
62) 4-Bromofluorobenzene	12.62	95	47974	38.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.84%	

Target Compounds

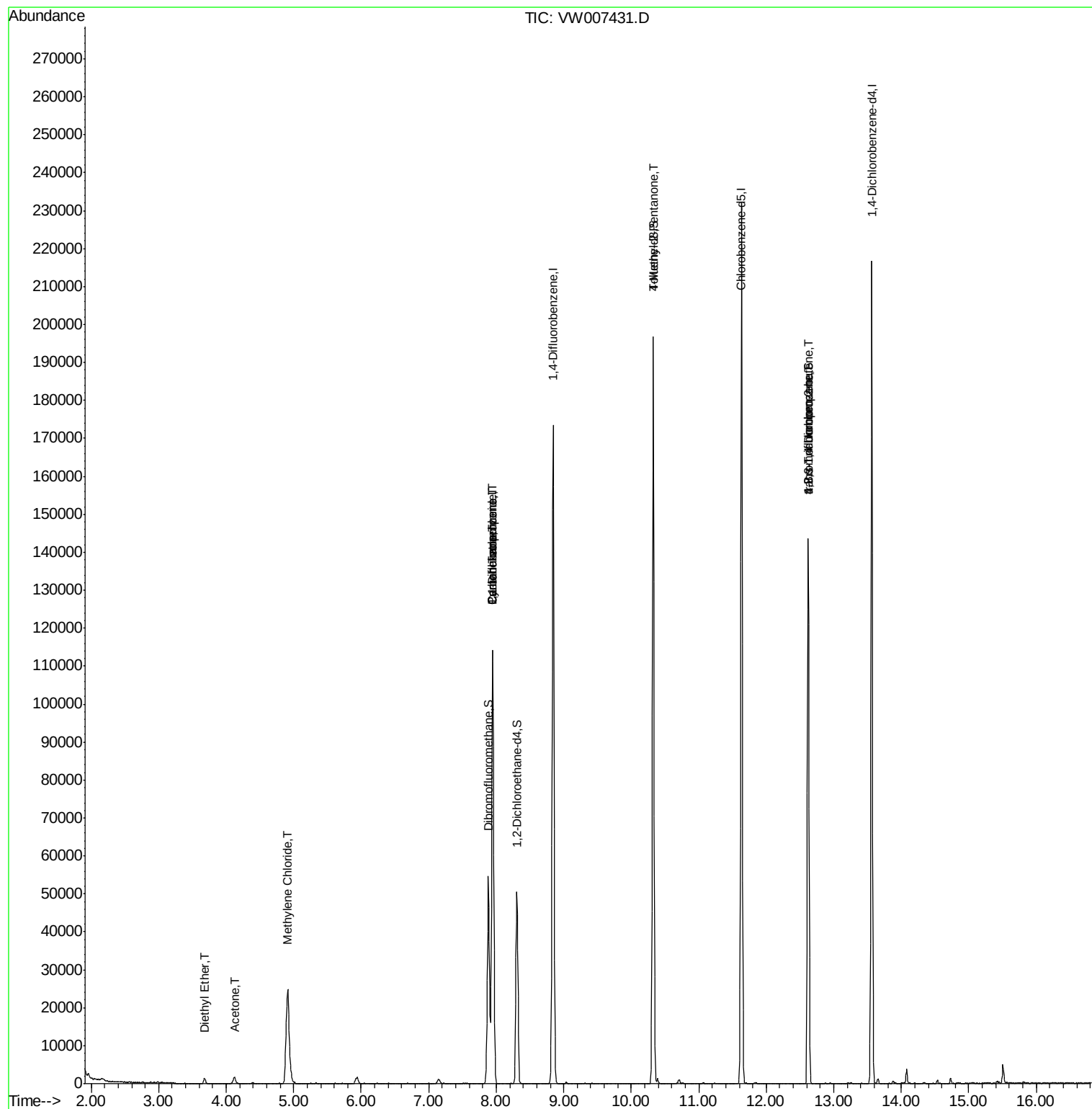
						Qvalue
8) Diethyl Ether	3.68	74	594	1.475	ug/l	82
16) Acetone	4.12	43	3113	19.275	ug/l	99
20) Methylene Chloride	4.91	84	21034	21.589	ug/l	99
31) Cyclohexane	7.95	56	1550	1.079	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6602	4.899	ug/l #	49
38) Carbon Tetrachloride	7.95	117	8877	6.055	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	528	1.129	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	24528	51.189	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	24528	113.077	ug/l #	7

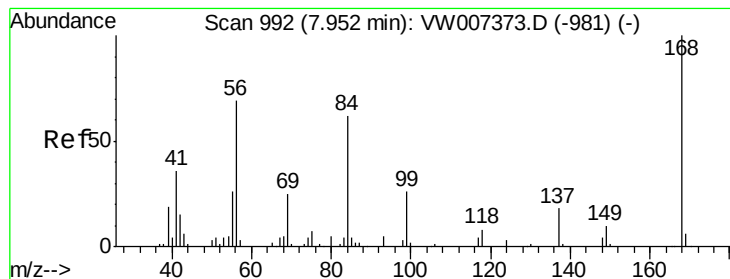
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 12 11:12:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007431.D

Acq: 12 Dec 2018 08:40

Instrument :

MSVOA_W

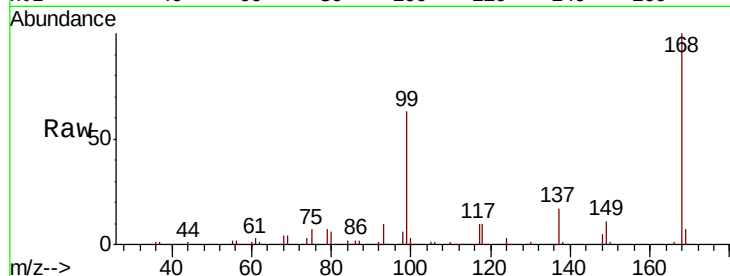
ClientSampled :

Tot Ion:168 Resp: 83345

Ion Ratio Lower Upper

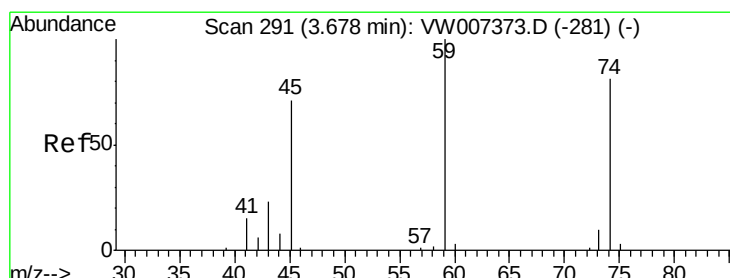
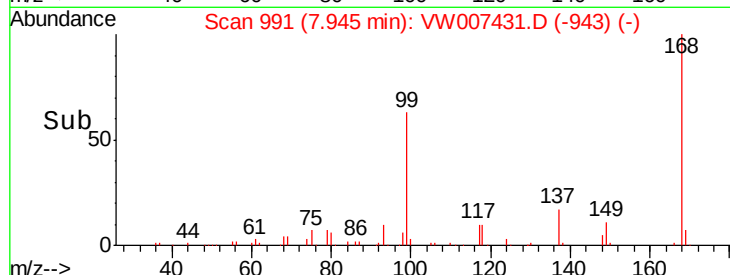
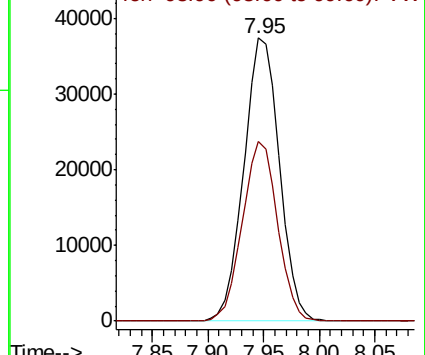
168 100

99 63.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.475 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW007431.D

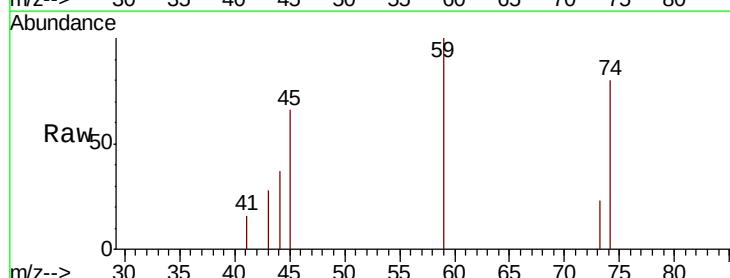
Acq: 12 Dec 2018 08:40

Tgt Ion: 74 Resp: 594

Ion Ratio Lower Upper

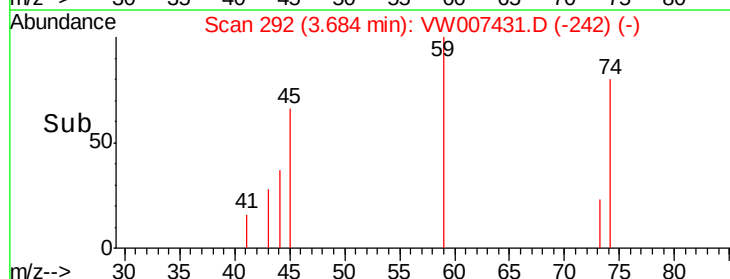
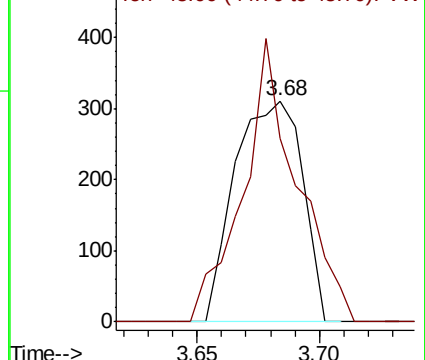
74 100

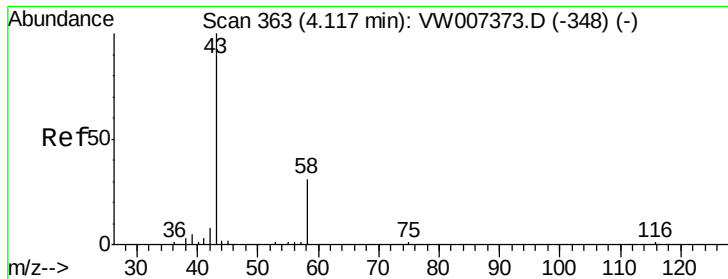
45 102.2 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 19.275 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007431.D

Acq: 12 Dec 2018 08:40

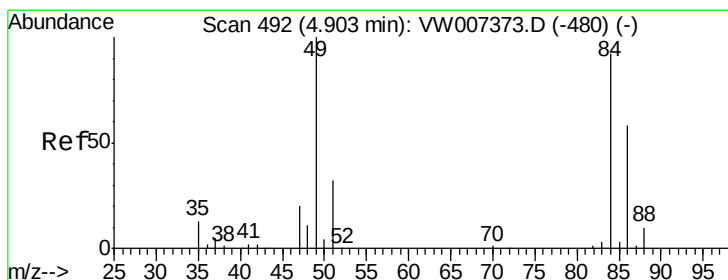
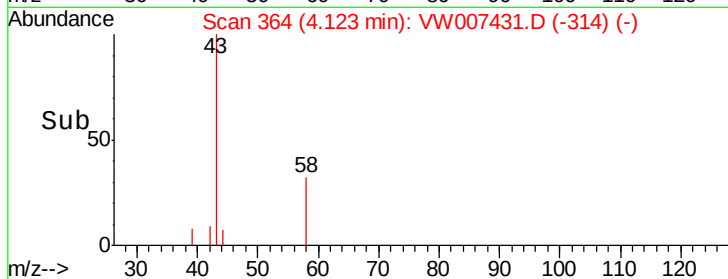
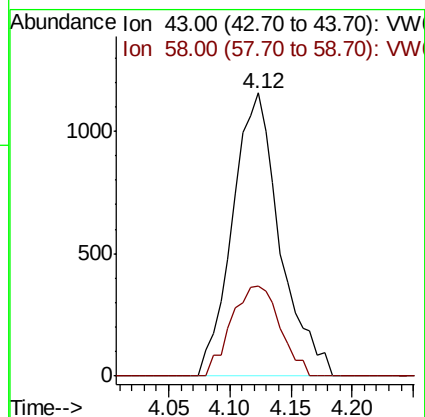
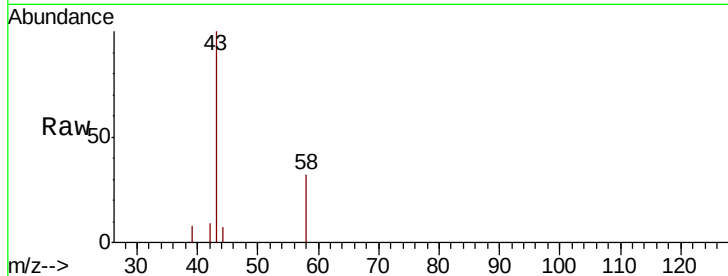
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 3113

Ion Ratio Lower Upper

43 100

58 31.8 24.9 37.3



#20

Methylene Chloride

Concen: 21.589 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007431.D

Acq: 12 Dec 2018 08:40

Tgt Ion: 84 Resp: 21034

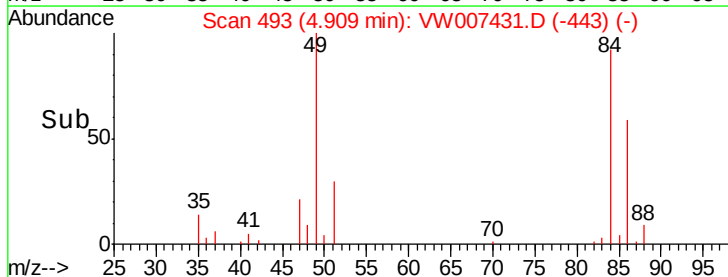
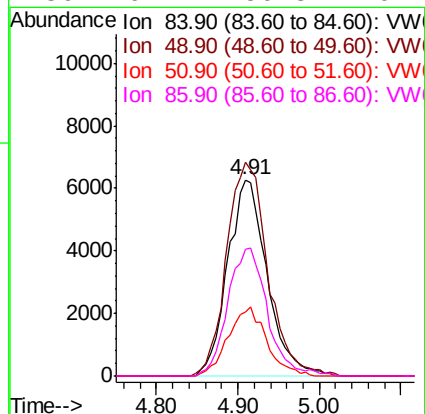
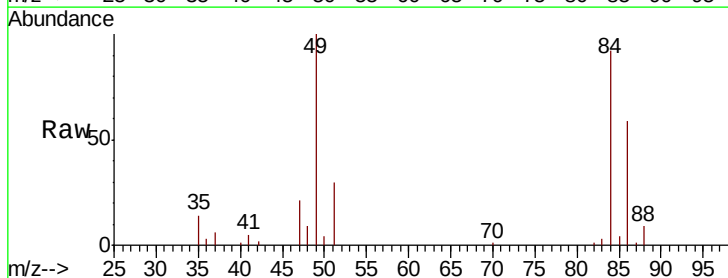
Ion Ratio Lower Upper

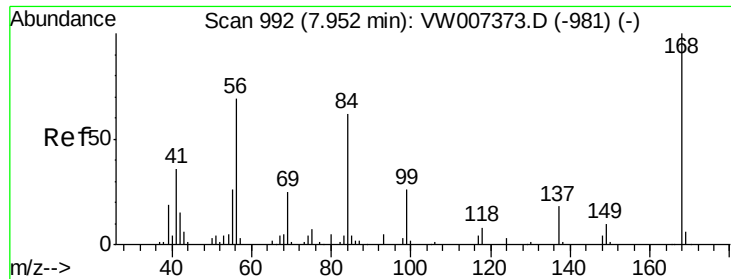
84 100

49 108.8 87.1 130.7

51 32.5 28.2 42.2

86 64.4 50.8 76.2

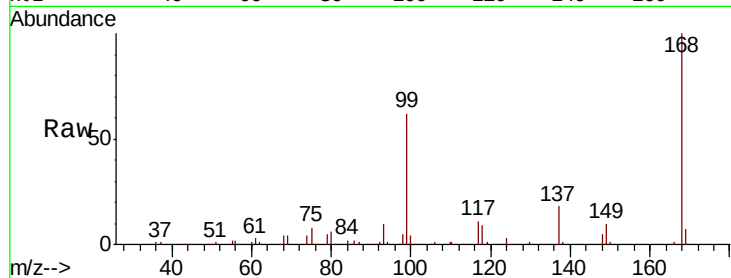




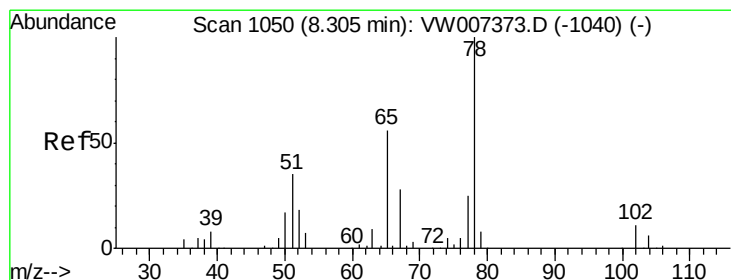
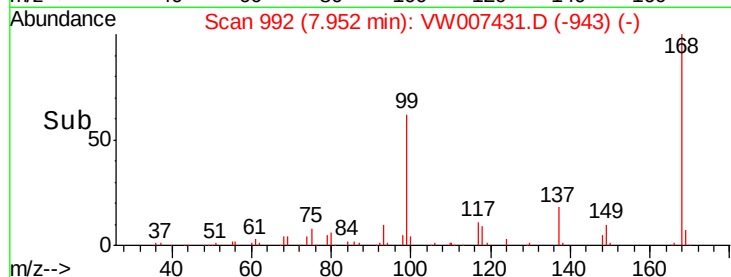
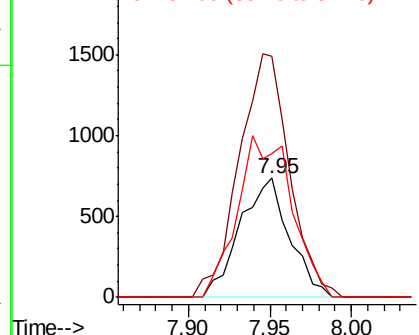
#31
Cyclohexane
Concen: 1.079 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007431.D
Acq: 12 Dec 2018 08:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 1550
Ion Ratio Lower Upper
56 100
69 202.6 28.9 43.3#
84 121.5 71.8 107.6#

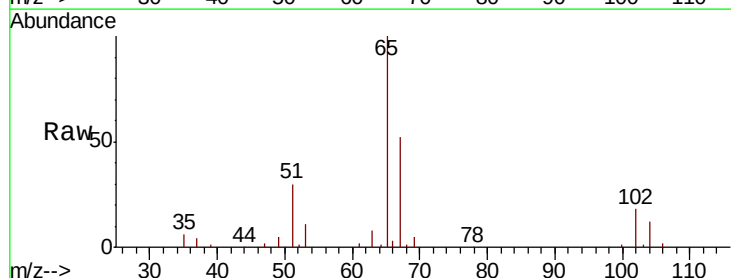


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

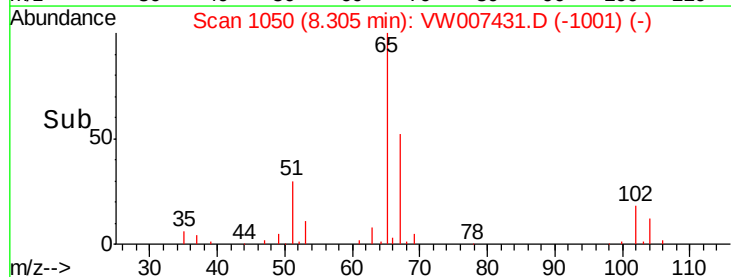
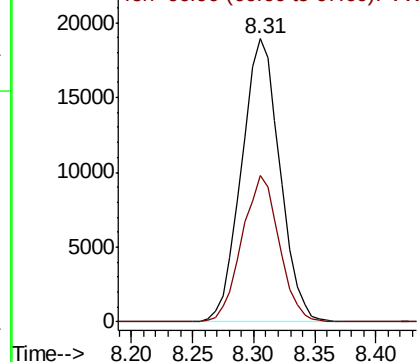


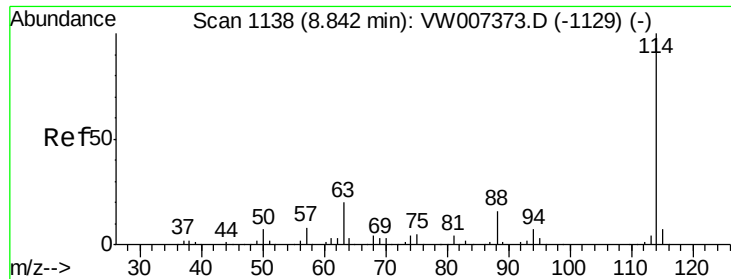
#33
1,2-Dichloroethane-d4
Concen: 44.521 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007431.D
Acq: 12 Dec 2018 08:40

Tgt Ion: 65 Resp: 41166
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.6



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

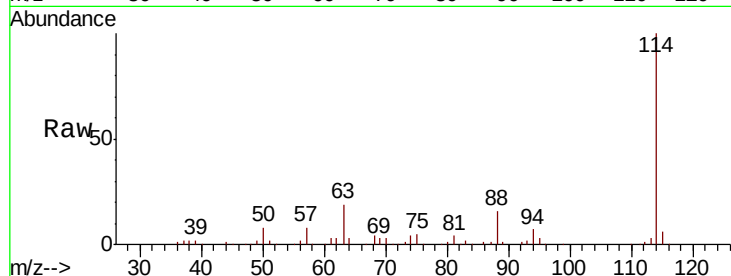




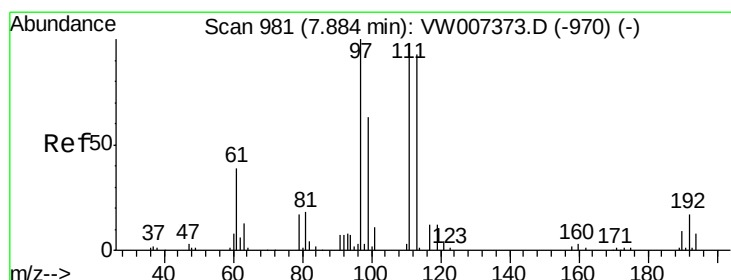
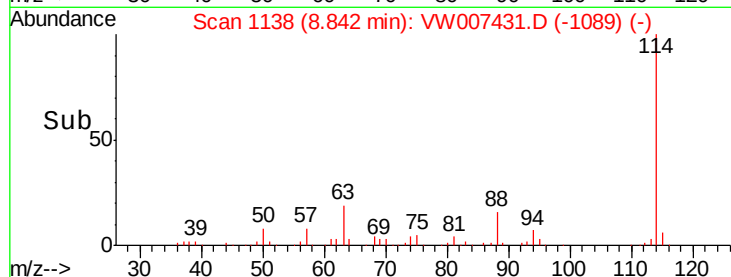
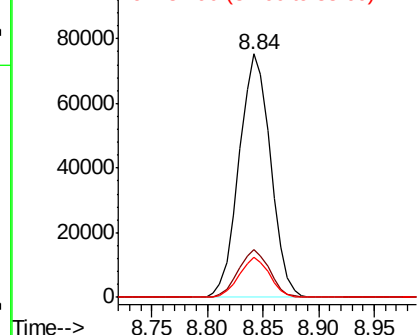
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW007431.D
Acq: 12 Dec 2018 08:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 147713
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.6
88 16.3 0.0 31.4

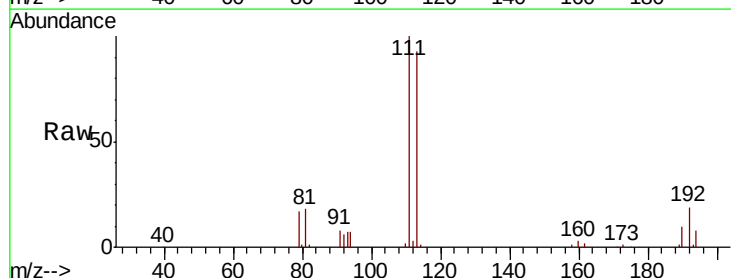


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

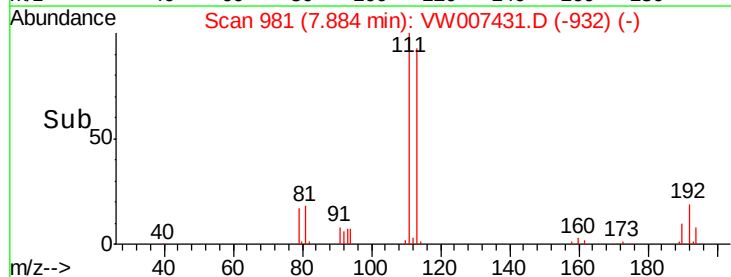
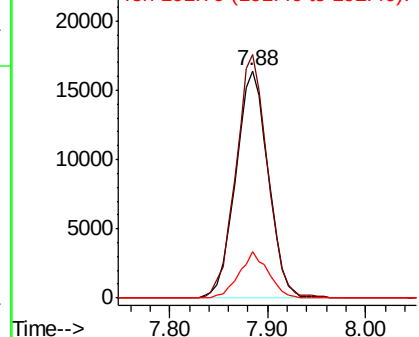


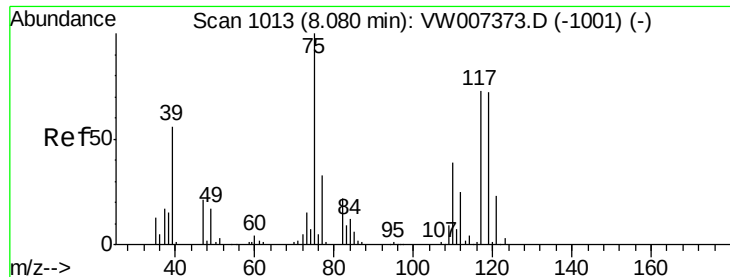
#35
Dibromofluoromethane
Concen: 42.225 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007431.D
Acq: 12 Dec 2018 08:40

Tgt Ion:113 Resp: 37756
Ion Ratio Lower Upper
113 100
111 104.1 81.1 121.7
192 18.3 14.6 21.8



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

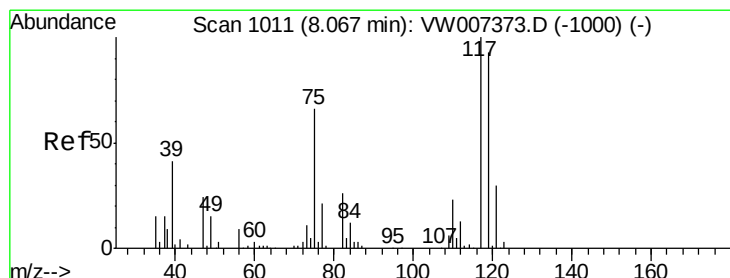
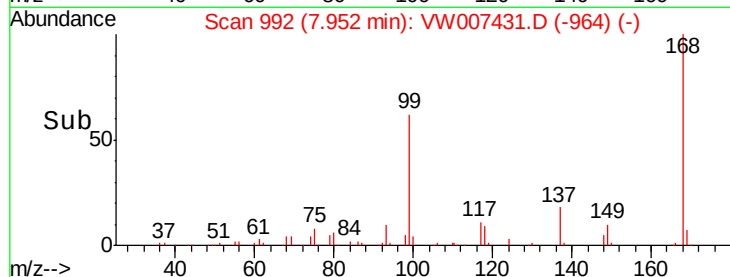
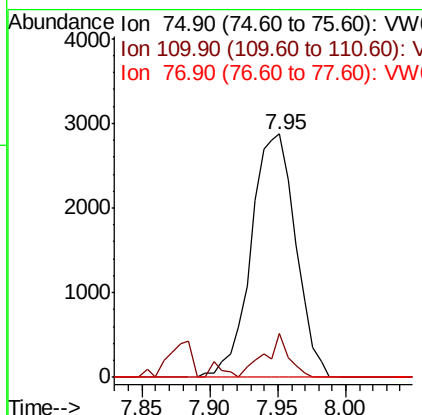
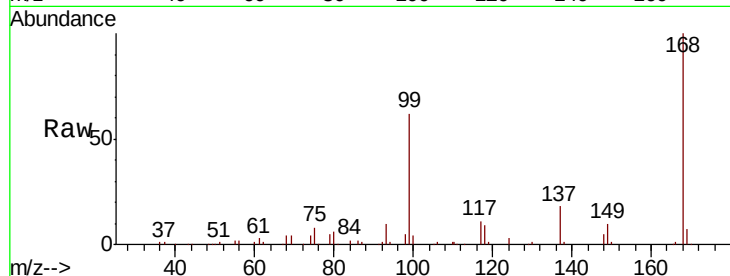




#36
 1,1-Dichloropropene
 Concen: 4.899 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007431.D
 Acq: 12 Dec 2018 08:40

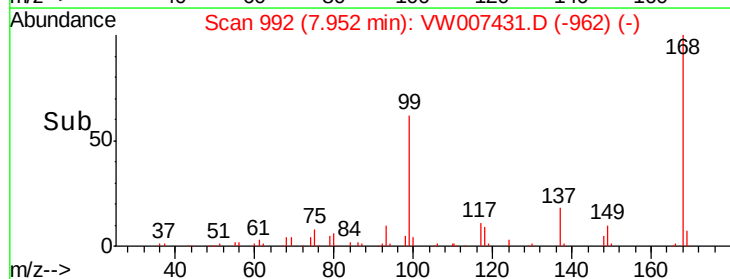
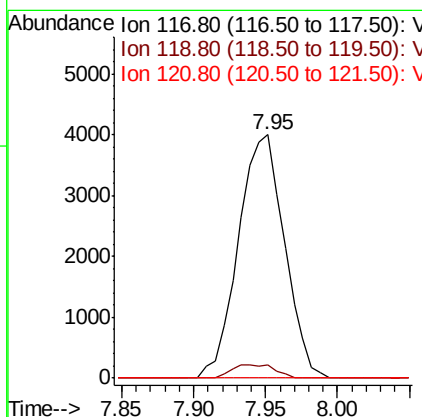
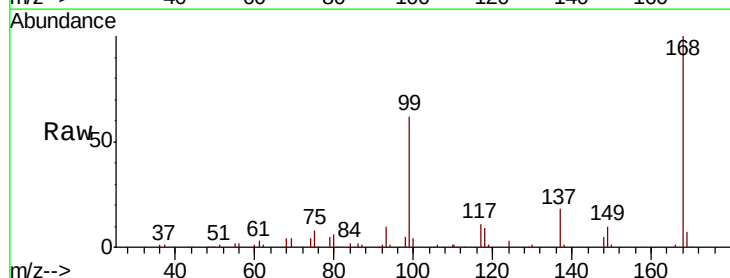
Instrument :
 MSVOA_W
 ClientSampleId :

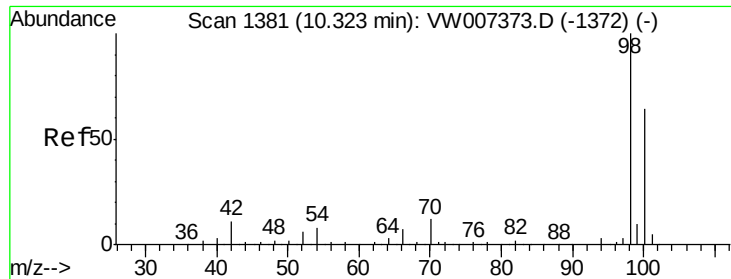
Tot Ion	75	Resp	6602
Ion Ratio	Lower	Upper	
75	100		
110	9.7	18.5	55.5#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.055 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007431.D
 Acq: 12 Dec 2018 08:40

Tgt Ion	117	Resp	8877
Ion Ratio	Lower	Upper	
117	100		
119	5.3	74.3	111.5#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: 39.576 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007431.D

Acq: 12 Dec 2018 08:40

Instrument :

MSVOA_W

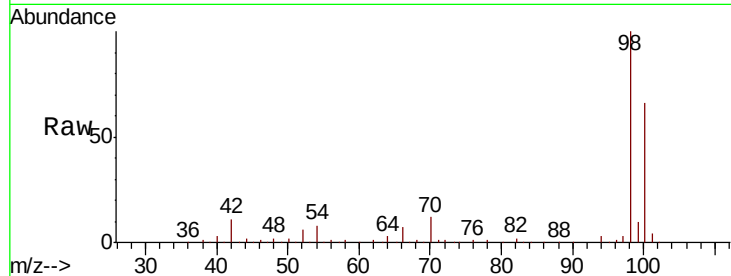
ClientSampleId :

Tot Ion: 98 Resp: 132684

Ion Ratio Lower Upper

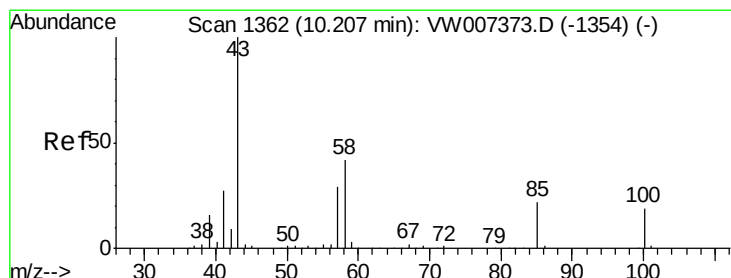
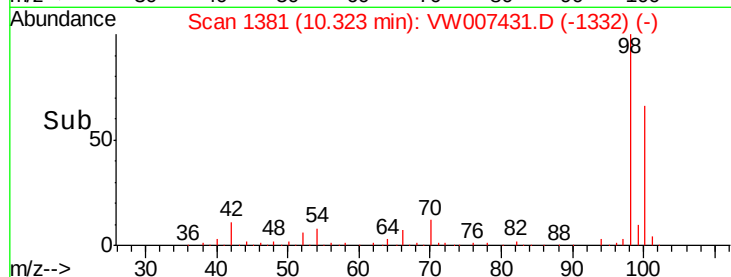
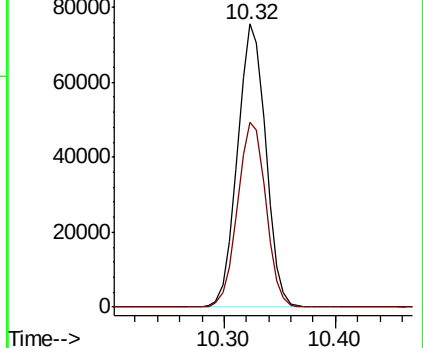
98 100

100 65.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.129 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW007431.D

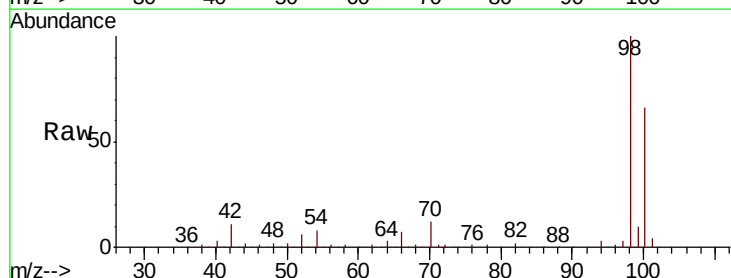
Acq: 12 Dec 2018 08:40

Tgt Ion: 43 Resp: 528

Ion Ratio Lower Upper

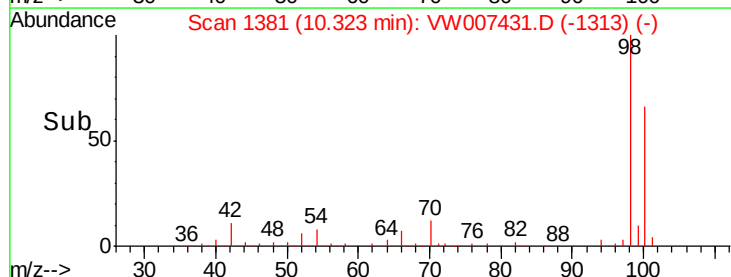
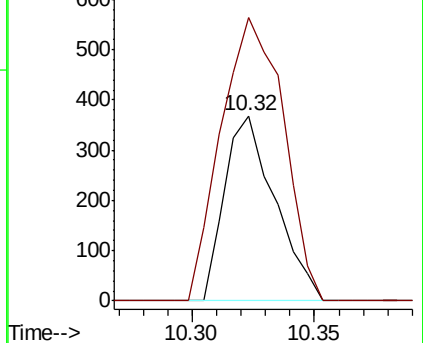
43 100

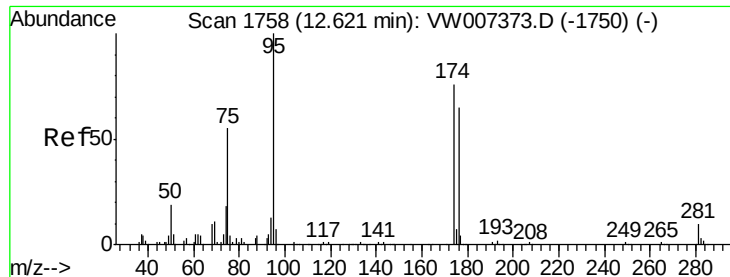
58 190.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 38.919 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007431.D

Acq: 12 Dec 2018 08:40

Instrument :

MSVOA_W

ClientSampleId :

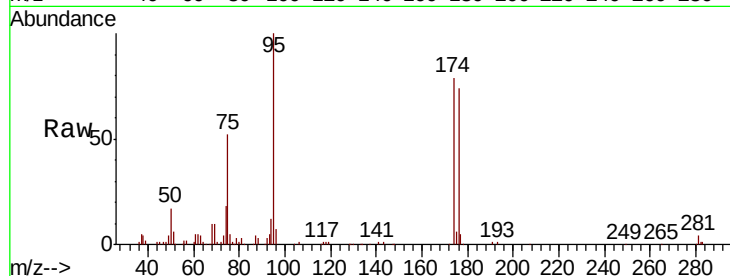
Tot Ion: 95 Resp: 47974

Ion Ratio Lower Upper

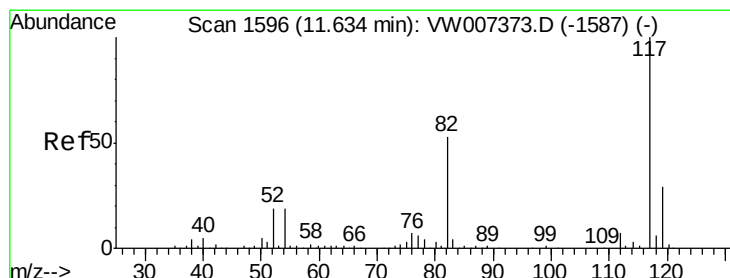
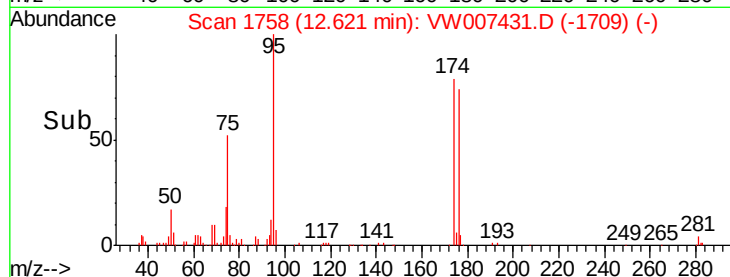
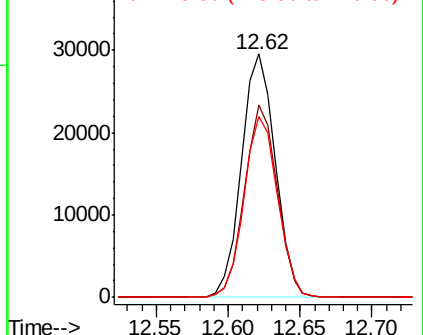
95 100

174 76.3 0.0 147.2

176 73.6 0.0 138.8



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: VW007431.D

Acq: 12 Dec 2018 08:40

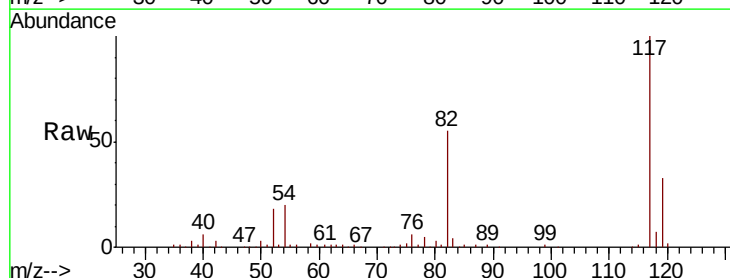
Tgt Ion: 117 Resp: 130979

Ion Ratio Lower Upper

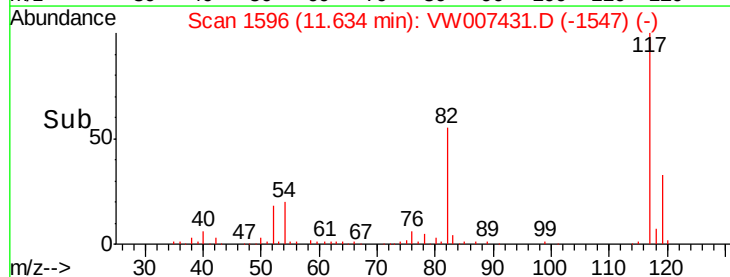
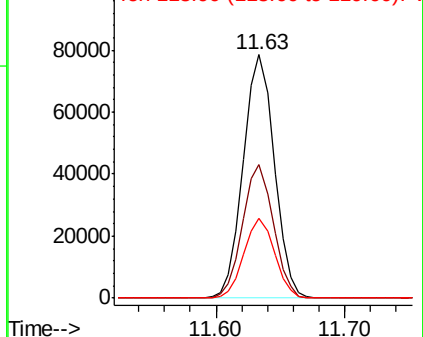
117 100

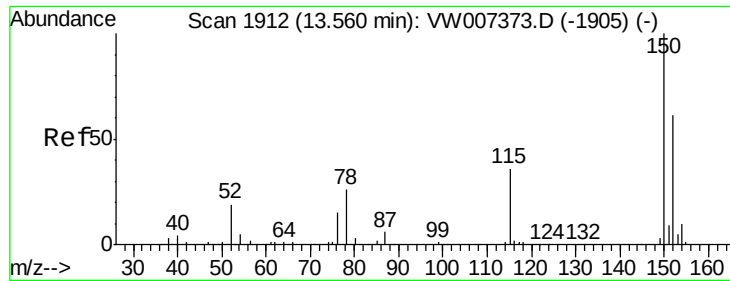
82 54.7 42.3 63.5

119 32.6 23.0 34.6



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: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007431.D

Acq: 12 Dec 2018 08:40

Instrument :

MSVOA_W

ClientSampleId :

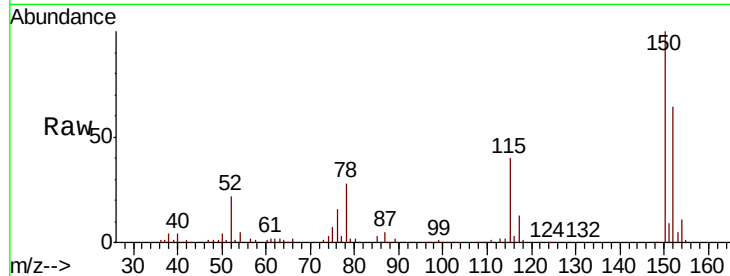
Tot Ion:152 Resp: 58114

Ion Ratio Lower Upper

152 100

115 62.0 31.4 94.2

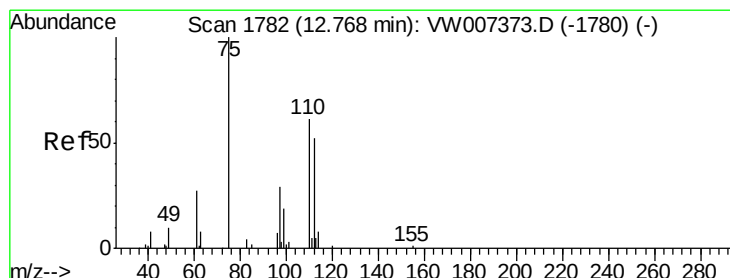
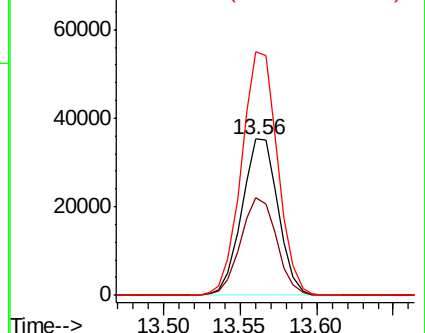
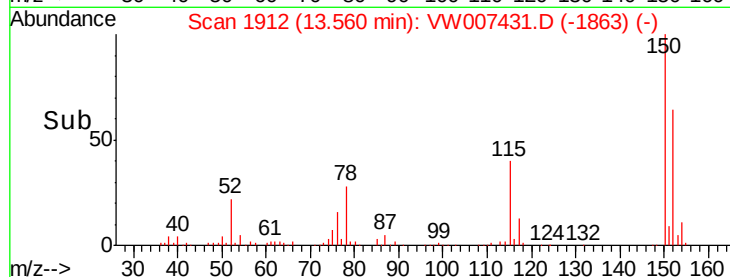
150 154.9 0.0 358.4



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: 51.189 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007431.D

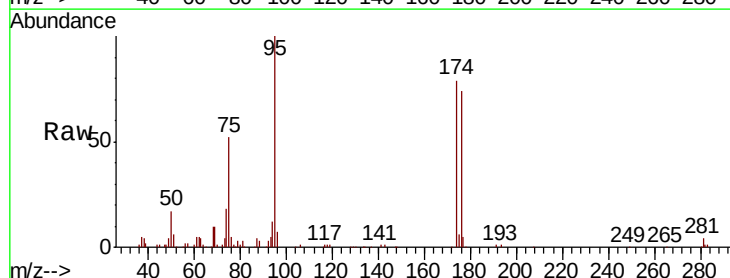
Acq: 12 Dec 2018 08:40

Tgt Ion: 75 Resp: 24528

Ion Ratio Lower Upper

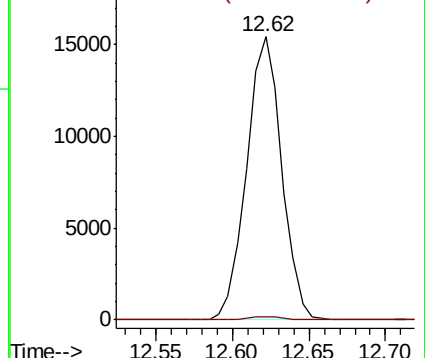
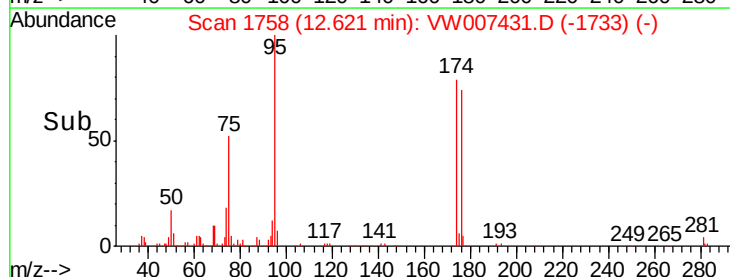
75 100

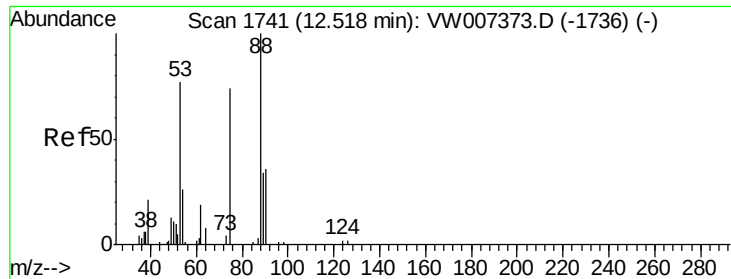
77 1.0 166.9 500.8#



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: 113.077 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007431.D

Acq: 12 Dec 2018 08:40

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 24528

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

