

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121918\
 Data File : VW007630.D
 Acq On : 17 Dec 2018 14:40
 Operator : SY/AP
 Sample : J6378-03RE
 Misc : 4.90G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 07:05:05 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	15838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	23350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	17347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	5201	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	7191	40.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.86%	
35) Dibromofluoromethane	7.88	113	7211	51.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.04%	
50) Toluene-d8	10.33	98	24378	46.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.00%	
62) 4-Bromofluorobenzene	12.62	95	6572	33.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	67.46%	

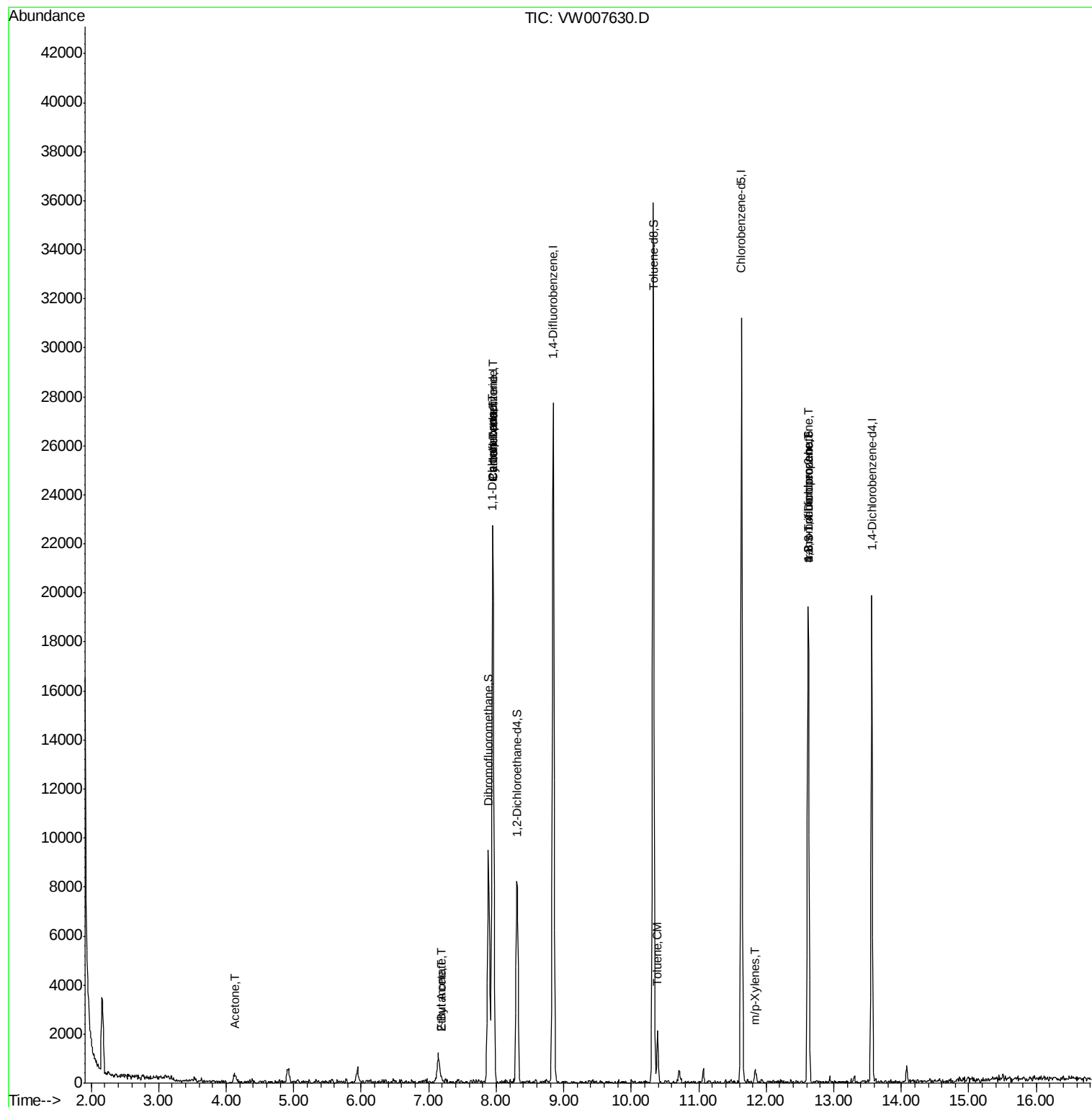
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	718	23.394	ug/l	89
20) Methylene Chloride	4.92	84	462	Below Cal	#	77
25) 2-Butanone	7.18	43	221	5.516	ug/l #	45
31) Cyclohexane	7.95	56	345	1.264	ug/l #	15
36) 1,1-Dichloropropene	7.94	75	1210	5.681	ug/l #	43
37) Ethyl Acetate	7.18	43	221	2.790	ug/l #	66
38) Carbon Tetrachloride	7.96	117	1718	7.413	ug/l #	18
52) Toluene	10.39	92	1103	2.883	ug/l	100
68) m/p-Xylenes	11.84	106	252	1.043	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	3366	78.491	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	3366	173.388	ug/l #	7

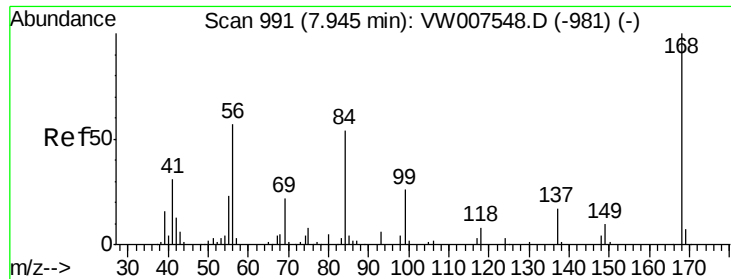
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 992

Delta R.T. 0.00 min

Lab File: VW007630.D

Acq: 17 Dec 2018 14:40

Instrument :

MSVOA_W

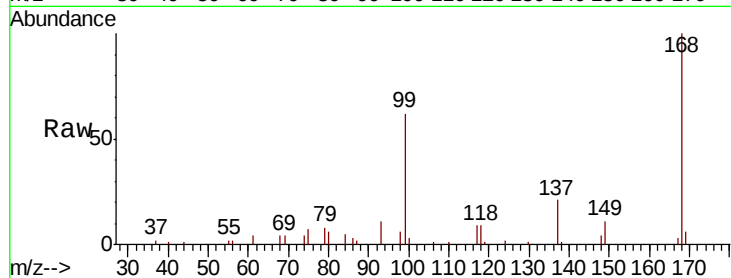
ClientSampled :

Tot Ion:168 Resp: 15838

Ion Ratio Lower Upper

168 100

99 62.3 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

8000

6000

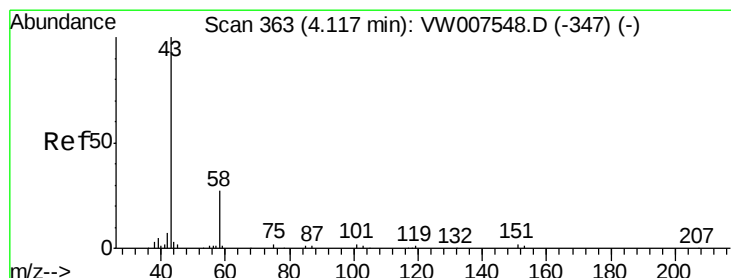
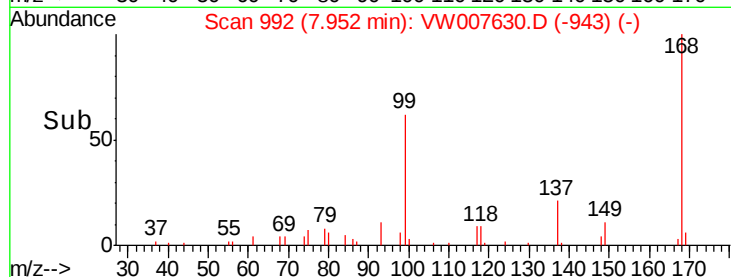
4000

2000

0

Time-->

7.85 7.90 7.95 8.00



#16

Acetone

Concen: 23.394 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007630.D

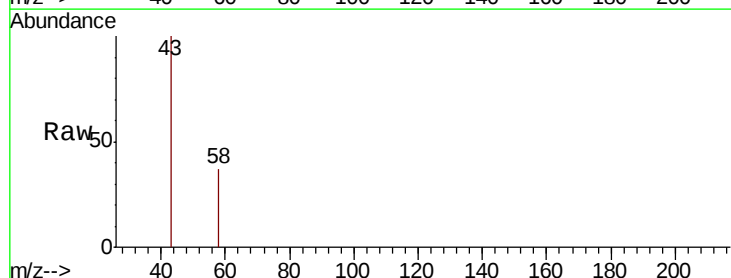
Acq: 17 Dec 2018 14:40

Tgt Ion: 43 Resp: 718

Ion Ratio Lower Upper

43 100

58 37.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

300

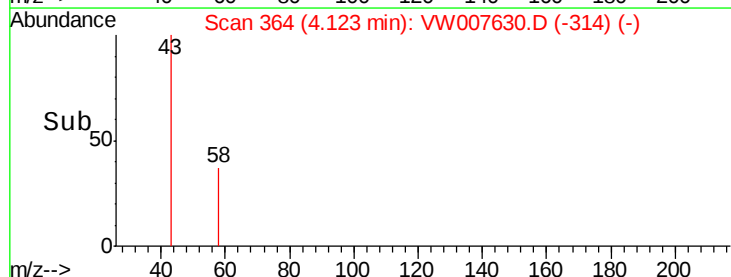
200

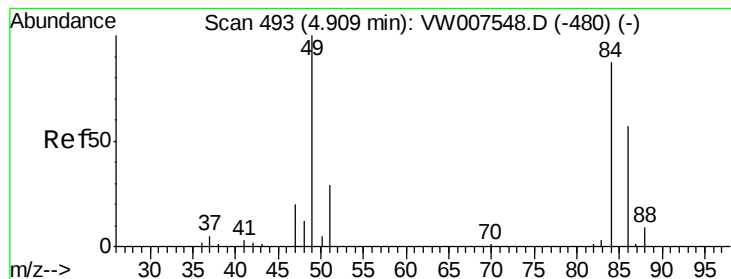
100

0

Time-->

4.10 4.15 4.20





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007630.D

Acq: 17 Dec 2018 14:40

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 462

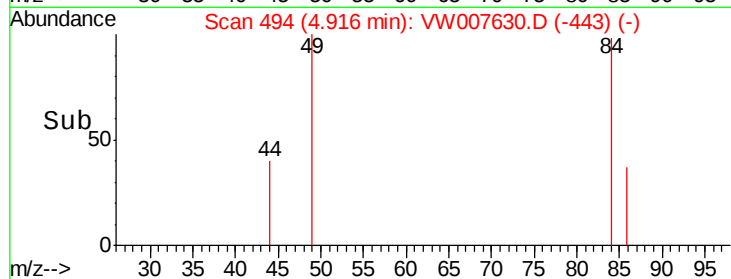
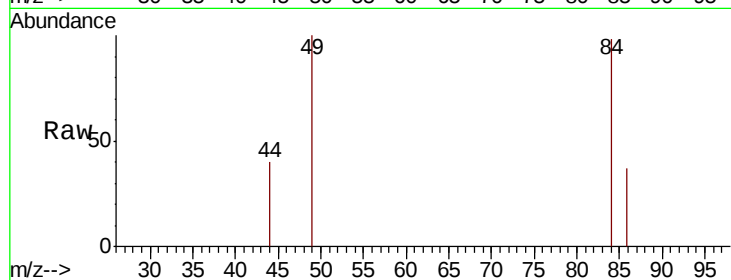
Ion Ratio Lower Upper

84 100

49 102.4 87.1 130.7

51 0.0 28.2 42.2#

86 38.2 50.8 76.2#

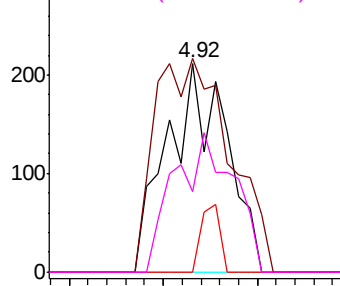


Abundance Ion 83.90 (83.60 to 84.60): VW

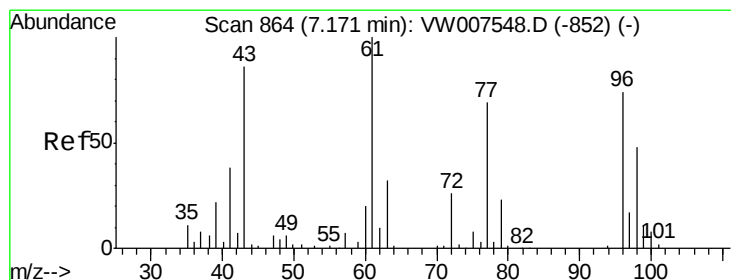
Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time--> 4.85 4.90 4.95



#25

2-Butanone

Concen: 5.516 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007630.D

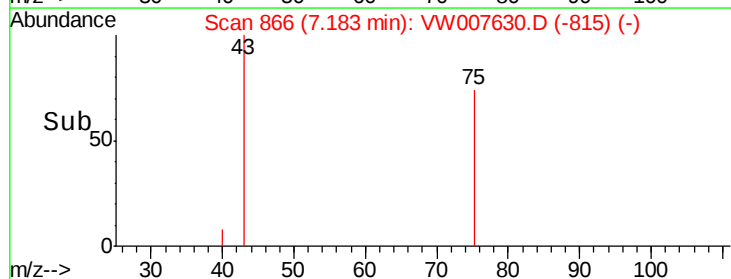
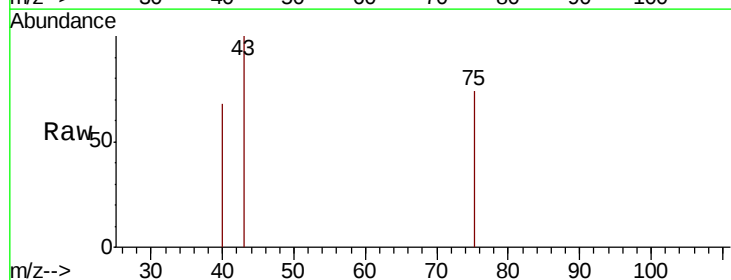
Acq: 17 Dec 2018 14:40

Tgt Ion: 43 Resp: 221

Ion Ratio Lower Upper

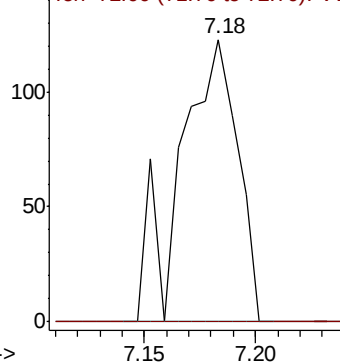
43 100

72 0.0 23.4 35.2#

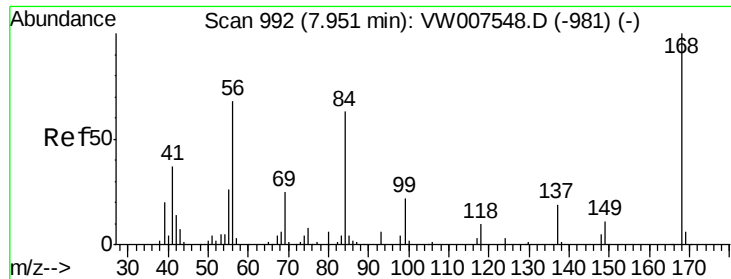


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



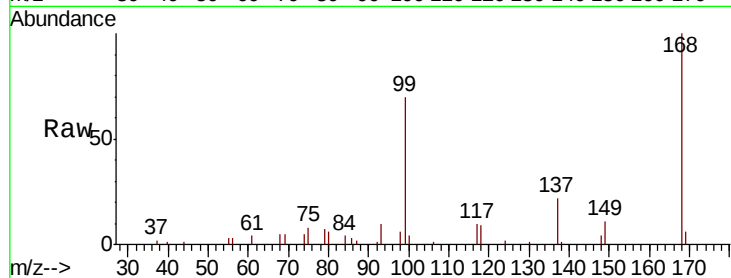
Time--> 7.15 7.20



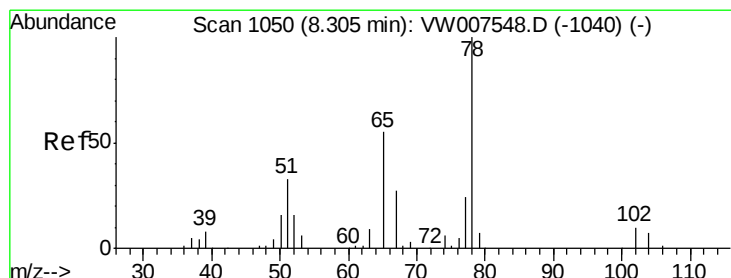
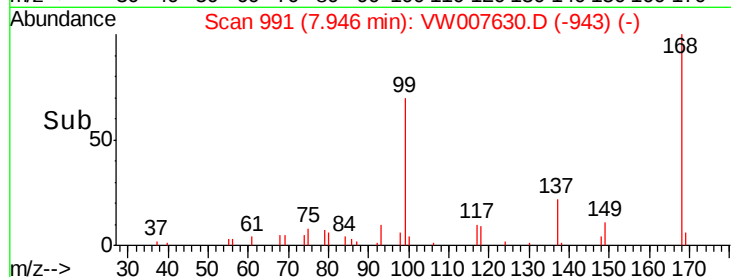
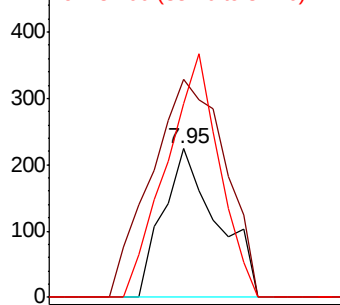
#31
Cyclohexane
Concen: 1.264 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007630.D
Acq: 17 Dec 2018 14:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 345
Ion Ratio Lower Upper
56 100
69 146.9 28.9 43.3#
84 130.4 71.8 107.6#

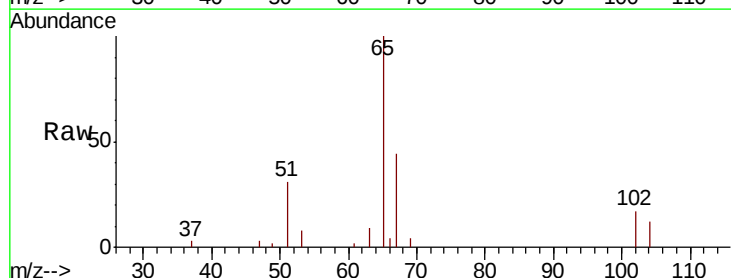


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

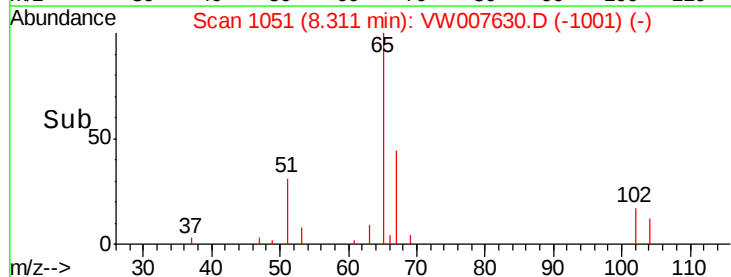
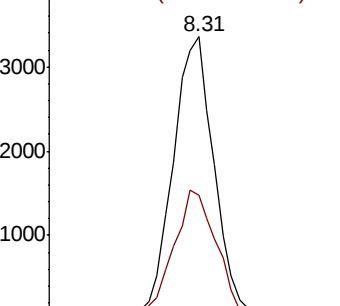


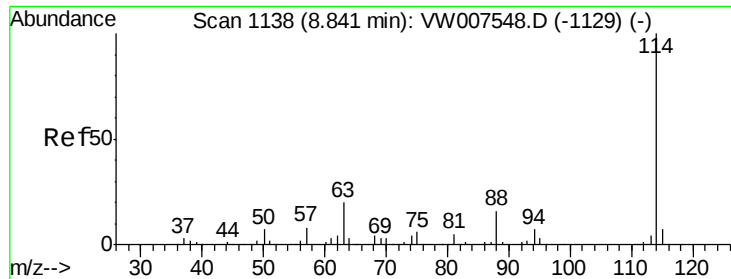
#33
1,2-Dichloroethane-d4
Concen: 40.925 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VW007630.D
Acq: 17 Dec 2018 14:40

Tgt Ion: 65 Resp: 7191
Ion Ratio Lower Upper
65 100
67 48.1 0.0 101.6



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

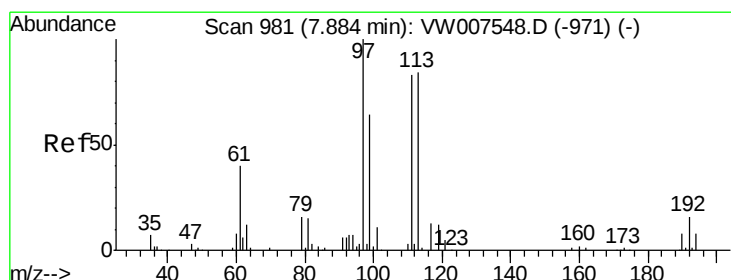
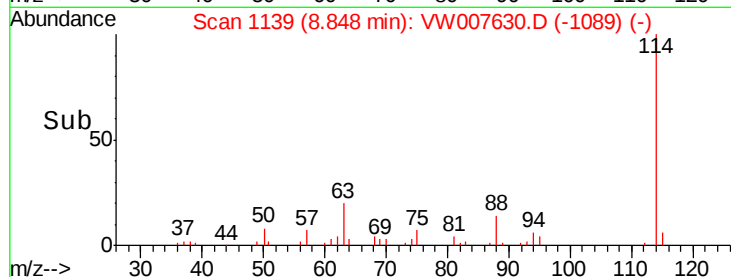
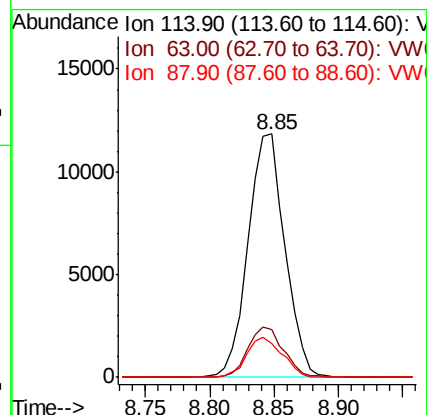
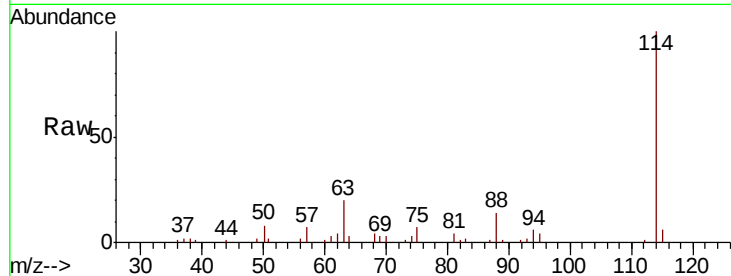




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VW007630.D
Acq: 17 Dec 2018 14:40

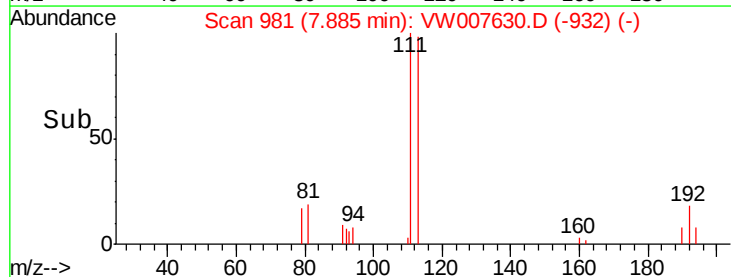
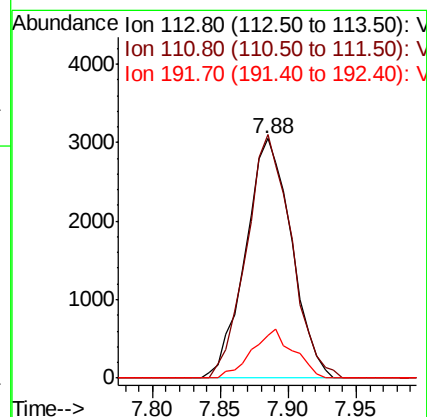
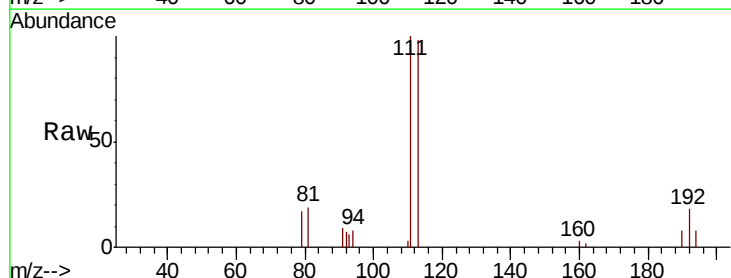
Instrument :
MSVOA_W
ClientSampleId :

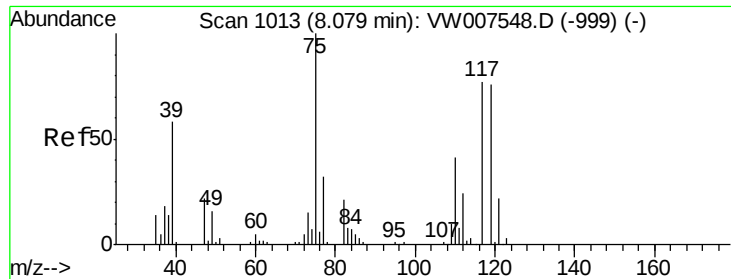
Tot Ion:114 Resp: 23350
Ion Ratio Lower Upper
114 100
63 19.6 0.0 39.6
88 14.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.016 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW007630.D
Acq: 17 Dec 2018 14:40

Tgt Ion:113 Resp: 7211
Ion Ratio Lower Upper
113 100
111 98.9 81.1 121.7
192 18.4 14.6 21.8

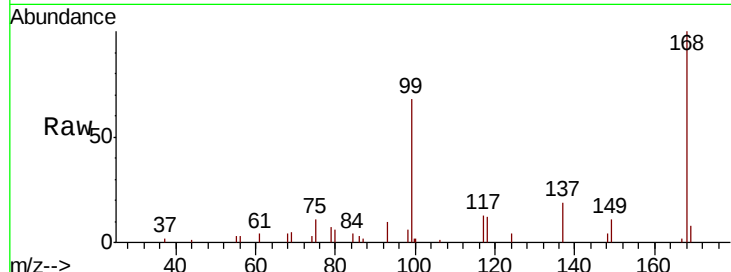




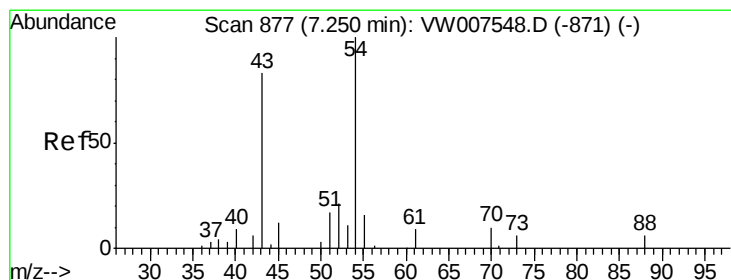
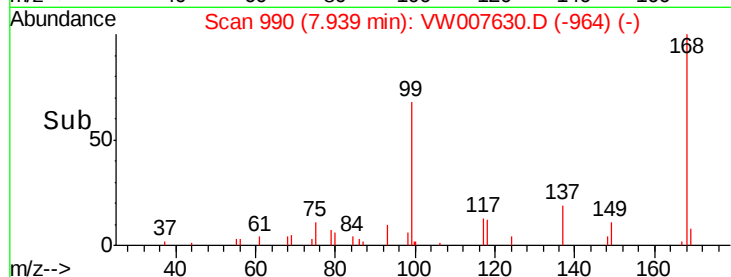
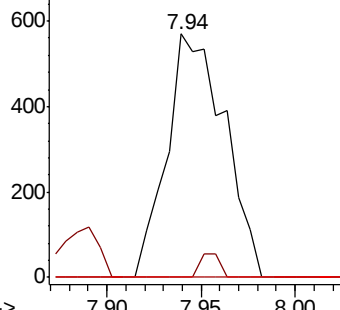
#36
 1,1-Dichloropropene
 Concen: 5.681 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW007630.D
 Acq: 17 Dec 2018 14:40

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	3.3	18.5	55.5#
77	0.0	25.6	38.4#

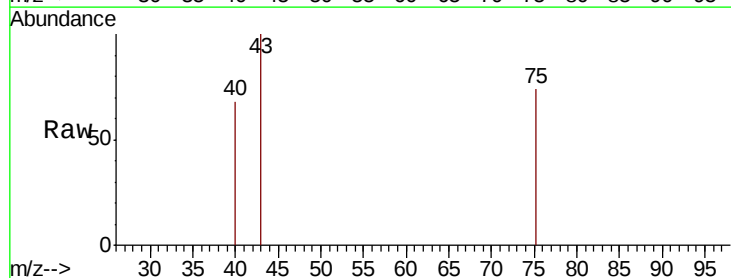


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): VW
 Ion 76.90 (76.60 to 77.60): VW

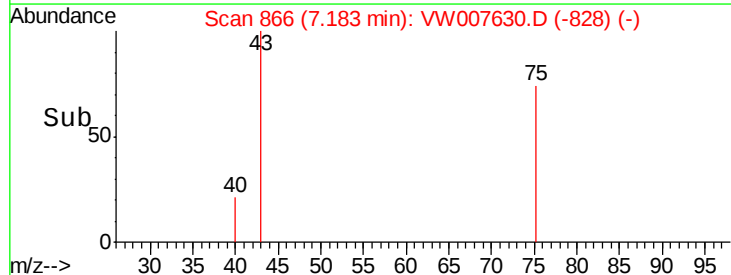
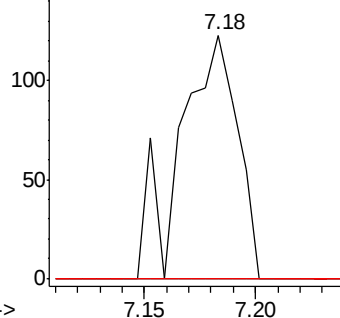


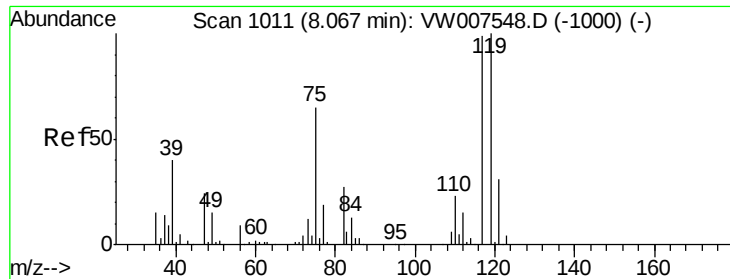
#37
 Ethyl Acetate
 Concen: 2.790 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW007630.D
 Acq: 17 Dec 2018 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	0.0	10.0	15.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 7.413 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.11 min

Lab File: VW007630.D

Acq: 17 Dec 2018 14:40

Instrument :

MSVOA_W

ClientSampleId :

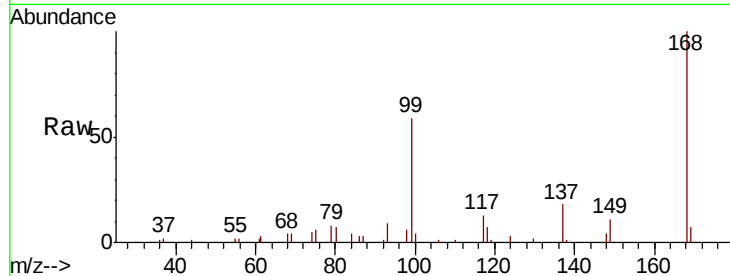
Tot Ion:117 Resp: 1718

Ion Ratio Lower Upper

117 100

119 6.6 74.3 111.5#

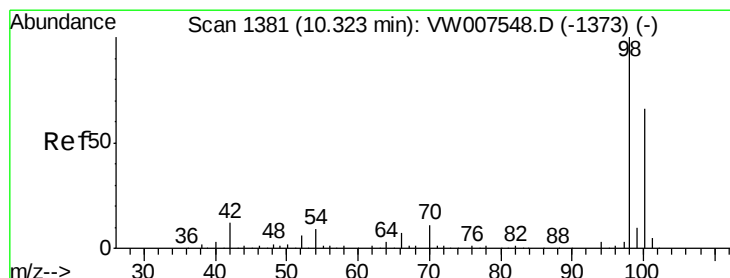
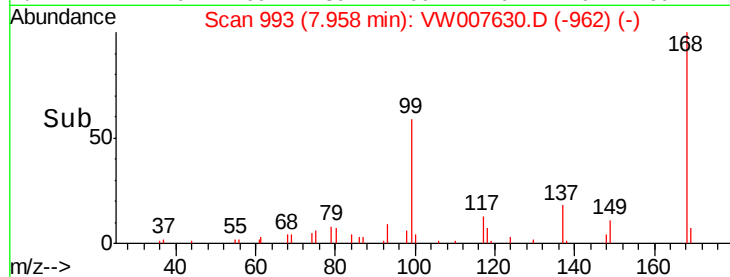
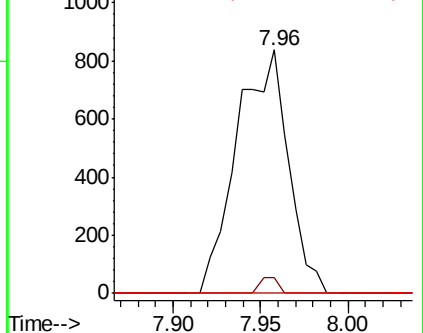
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 45.999 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW007630.D

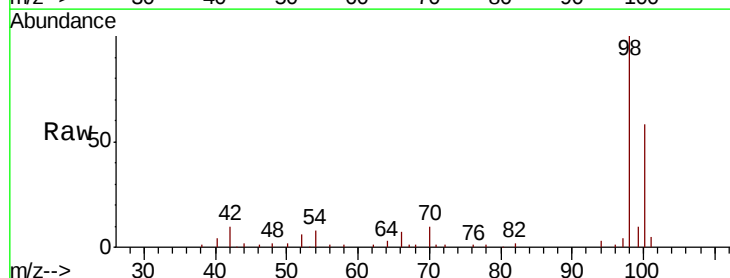
Acq: 17 Dec 2018 14:40

Tgt Ion: 98 Resp: 24378

Ion Ratio Lower Upper

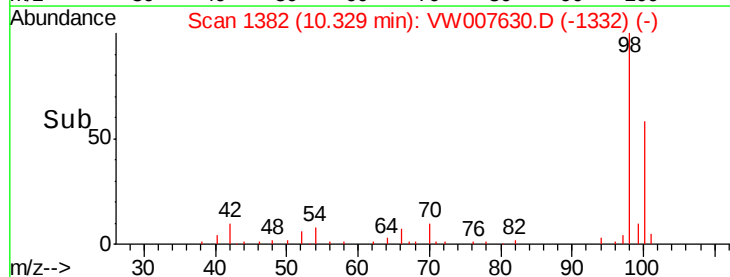
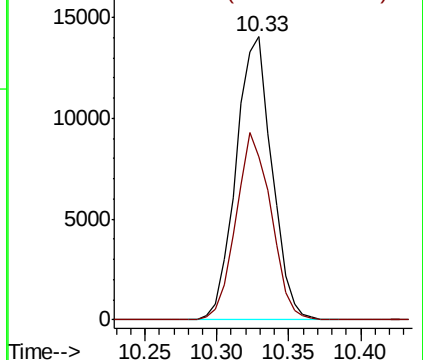
98 100

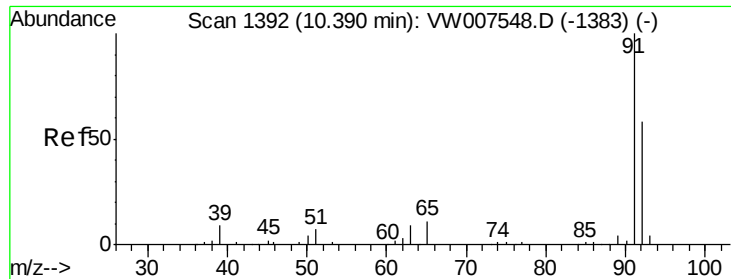
100 64.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.883 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007630.D

Acq: 17 Dec 2018 14:40

Instrument :

MSVOA_W

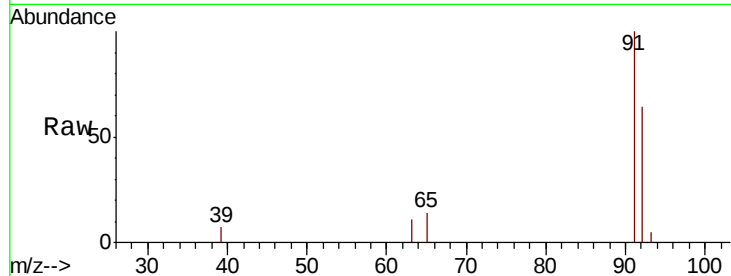
ClientSampleId :

Tot Ion: 92 Resp: 1103

Ion Ratio Lower Upper

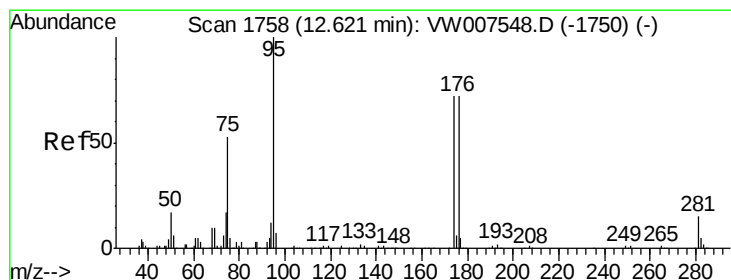
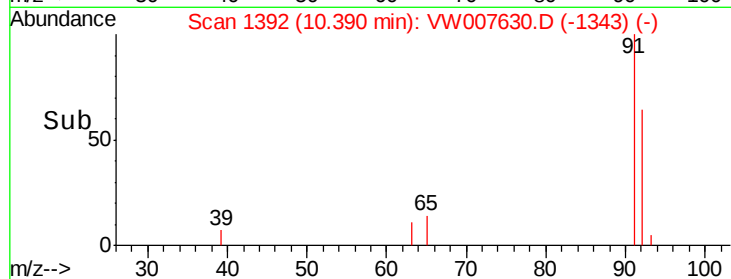
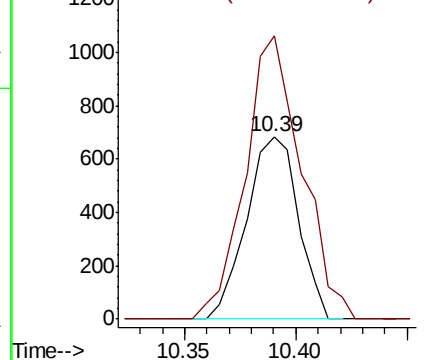
92 100

91 169.8 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 33.727 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007630.D

Acq: 17 Dec 2018 14:40

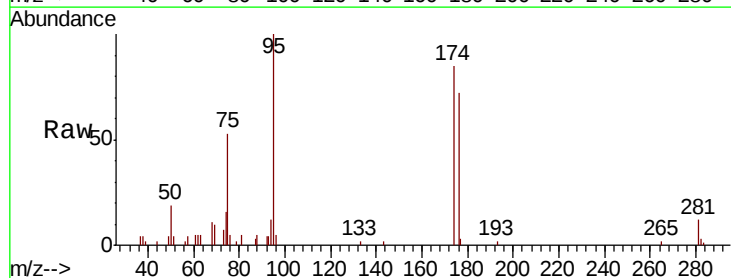
Tgt Ion: 95 Resp: 6572

Ion Ratio Lower Upper

95 100

174 79.1 0.0 147.2

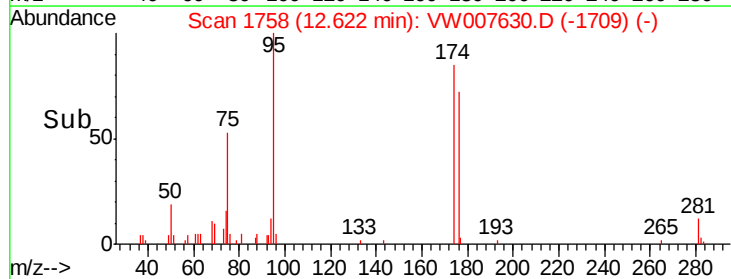
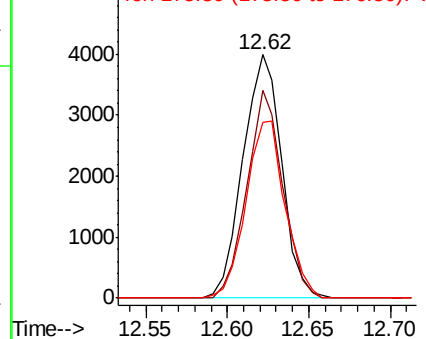
176 73.6 0.0 138.8

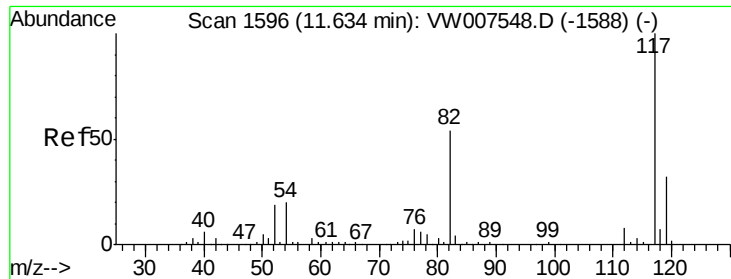


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

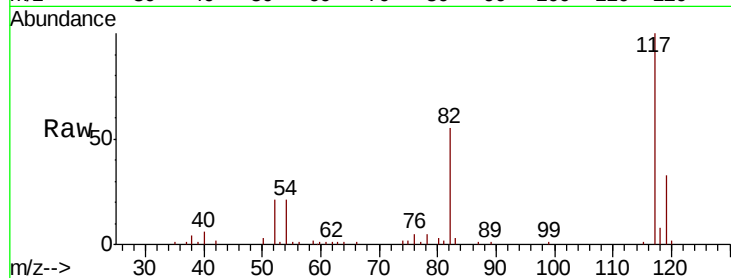




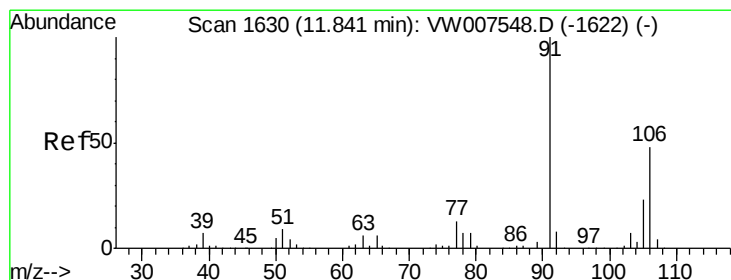
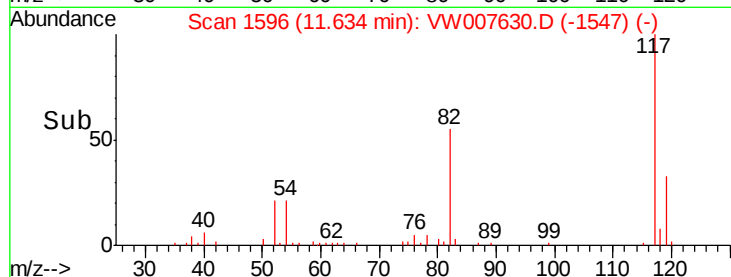
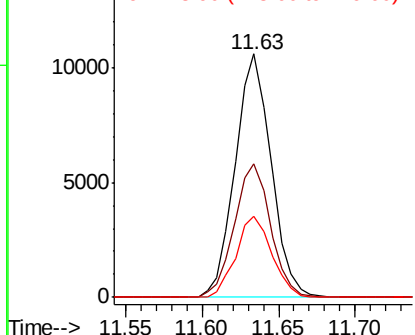
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007630.D
Acq: 17 Dec 2018 14:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 17347
Ion Ratio Lower Upper
117 100
82 54.7 42.3 63.5
119 33.4 23.0 34.6

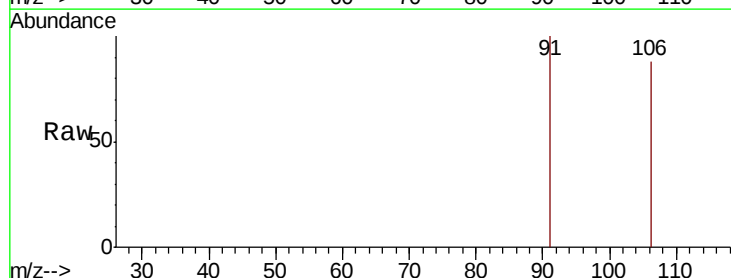


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

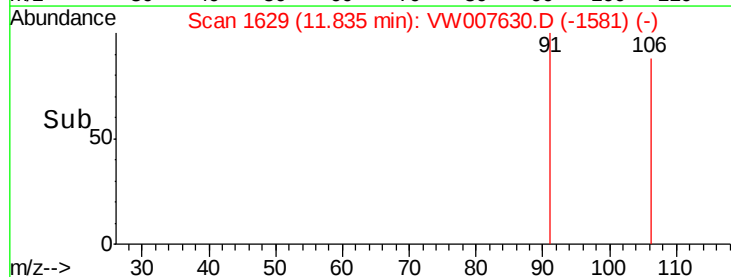
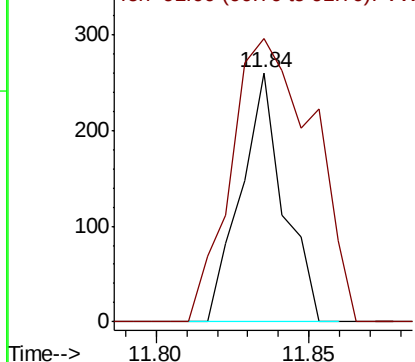


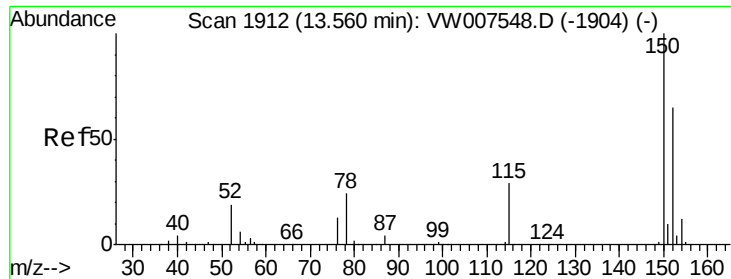
#68
m/p-Xylenes
Concen: 1.043 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007630.D
Acq: 17 Dec 2018 14:40

Tgt Ion:106 Resp: 252
Ion Ratio Lower Upper
106 100
91 220.6 165.3 247.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): 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: VW007630.D

Acq: 17 Dec 2018 14:40

Instrument :

MSVOA_W

ClientSampleId :

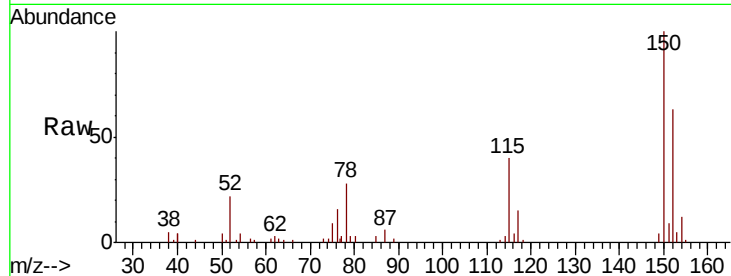
Tot Ion:152 Resp: 5201

Ion Ratio Lower Upper

152 100

115 65.1 31.4 94.2

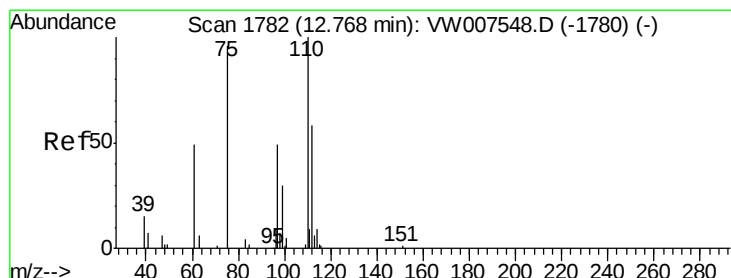
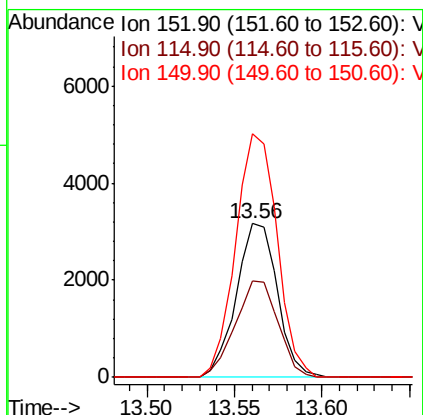
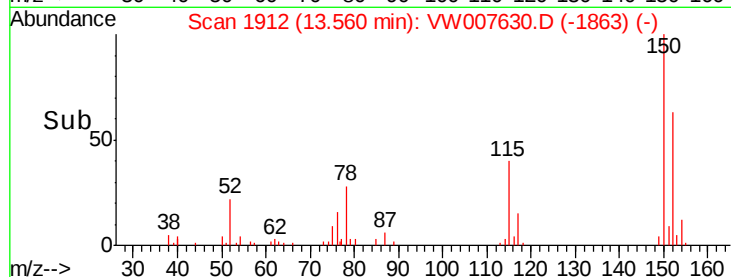
150 159.7 0.0 358.4



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: 78.491 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007630.D

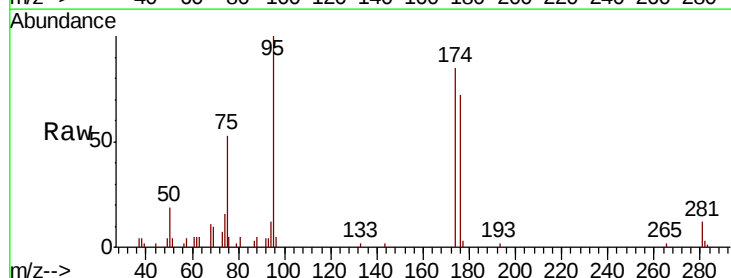
Acq: 17 Dec 2018 14:40

Tgt Ion: 75 Resp: 3366

Ion Ratio Lower Upper

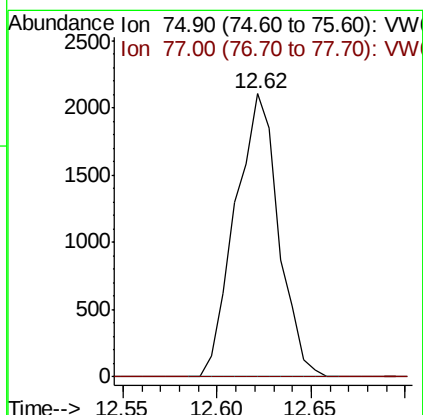
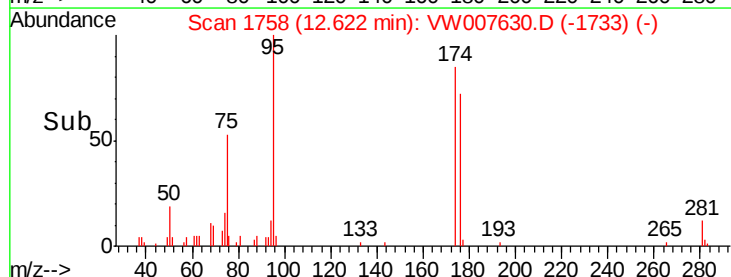
75 100

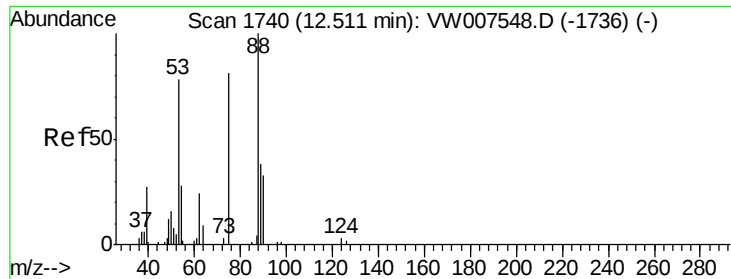
77 0.0 166.9 500.8#



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: 173.388 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007630.D

Acq: 17 Dec 2018 14:40

Instrument :

MSVOA_W

ClientSampleId :

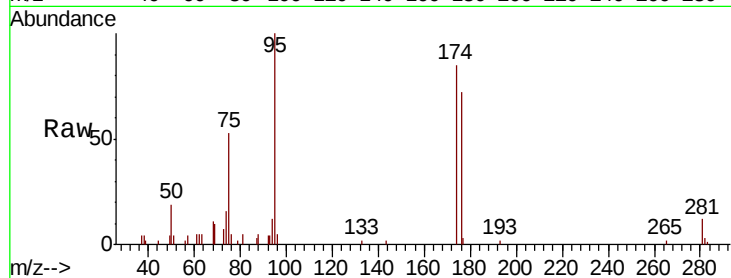
Tot Ion: 75 Resp: 3366

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



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

