

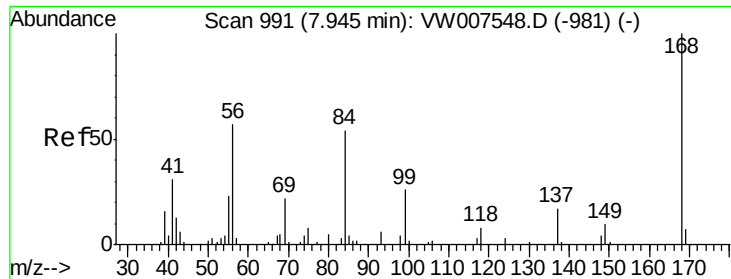
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121818\
 Data File : VW007614.D
 Acq On : 16 Dec 2018 06:50
 Operator : SY/AP
 Sample : J6378-20
 Misc : 3.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 17 00:18:05 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	6782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	11451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	7995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	3096	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	4047	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	7.88	113	3335	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.32	98	12060	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
62) 4-Bromofluorobenzene	12.62	95	3345	35.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.00%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	330	25.110	ug/l #	44
20) Methylene Chloride	4.93	84	29	Below Cal	#	10
36) 1,1-Dichloropropene	7.95	75	495	4.739	ug/l #	40
38) Carbon Tetrachloride	7.95	117	602	5.296	ug/l #	13
52) Toluene	10.39	92	1685	8.982	ug/l	85
65) Chlorobenzene	11.66	112	189	1.134	ug/l #	40
67) Ethyl Benzene	11.73	91	390	1.361	ug/l #	81
68) m/p-Xylenes	11.84	106	1455	13.063	ug/l	99
69) o-Xylene	12.16	106	147	1.413	ug/l	53
76) 1,2,3-Trichloropropane	12.62	75	1830	71.688	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	1830	158.359	ug/l #	7
87) 1,3-Dichlorobenzene	13.58	146	233	2.222	ug/l #	71
88) 1,4-Dichlorobenzene	13.58	146	233	2.211	ug/l #	68
95) Naphthalene	15.38	128	145	1.173	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007614.D

Acq: 16 Dec 2018 06:50

Instrument :

MSVOA_W

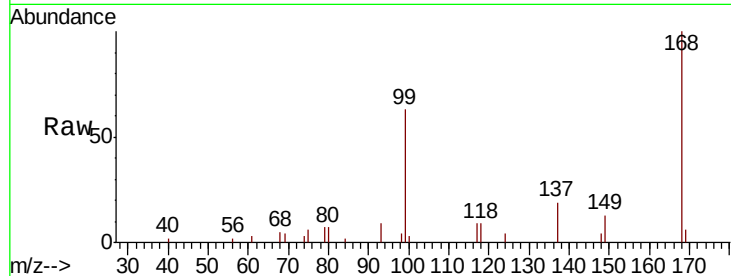
ClientSampleId :

Tot Ion:168 Resp: 6782

Ion Ratio Lower Upper

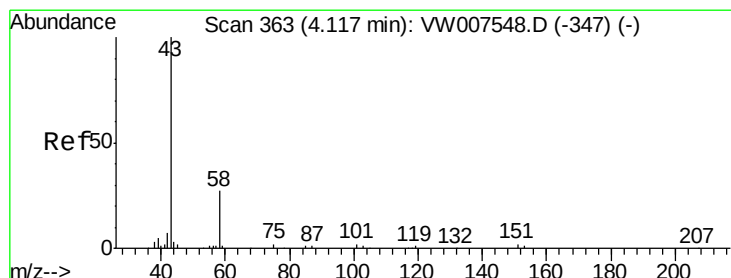
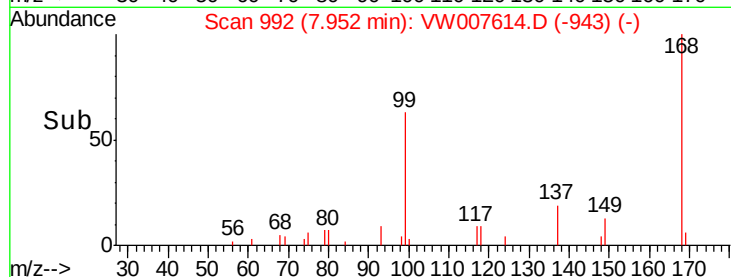
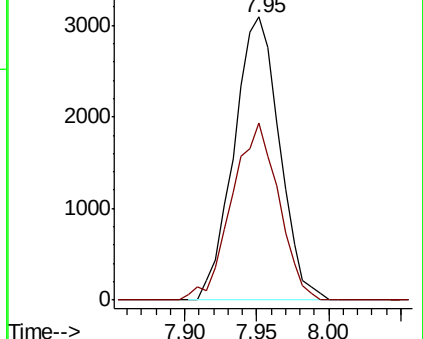
168 100

99 62.6 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 25.110 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007614.D

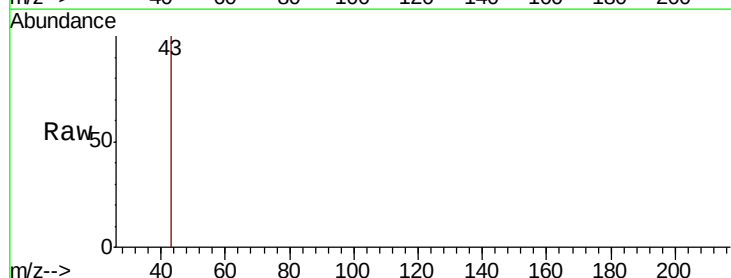
Acq: 16 Dec 2018 06:50

Tgt Ion: 43 Resp: 330

Ion Ratio Lower Upper

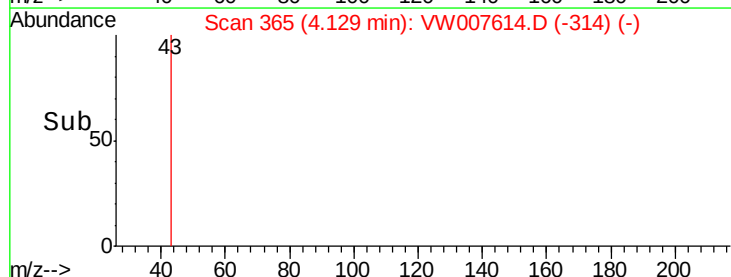
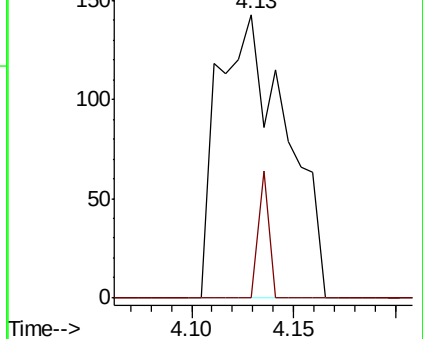
43 100

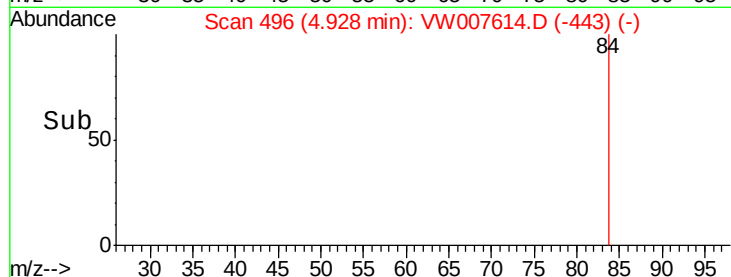
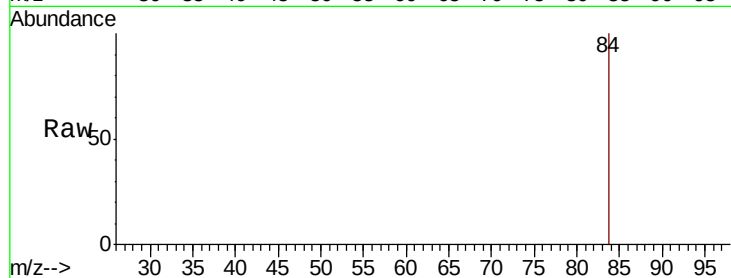
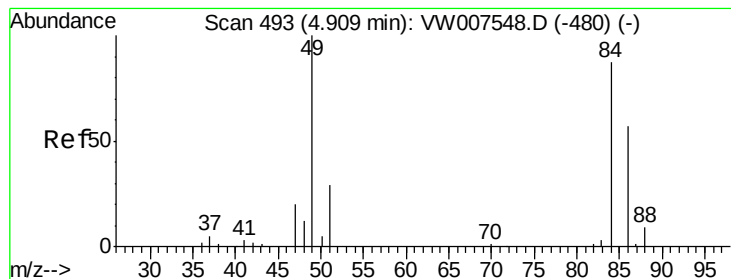
58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: Below Cal

RT: 4.93 min Scan# 496

Delta R.T. 0.02 min

Lab File: VW007614.D

Acq: 16 Dec 2018 06:50

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 29

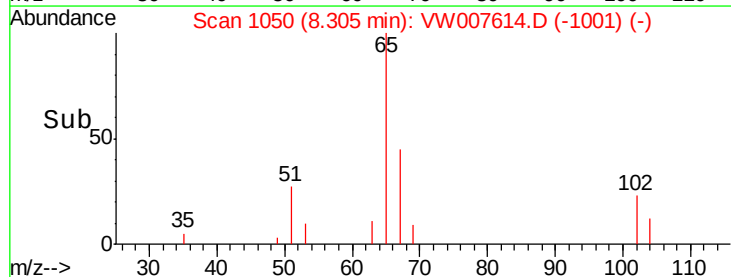
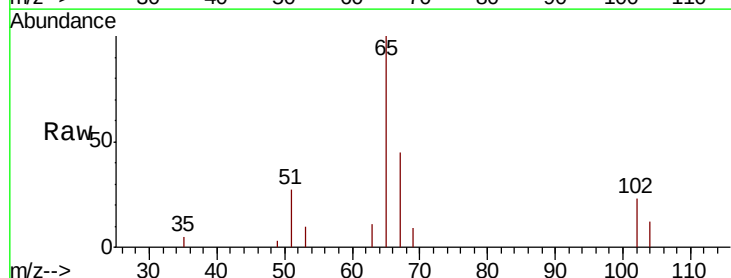
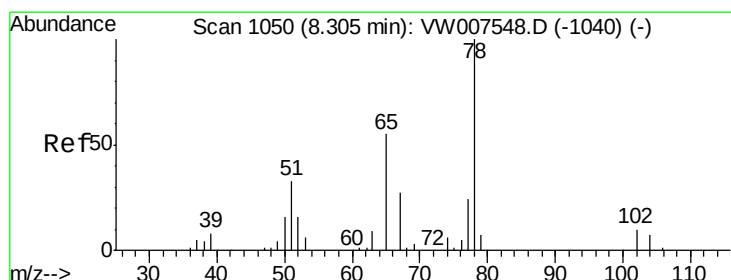
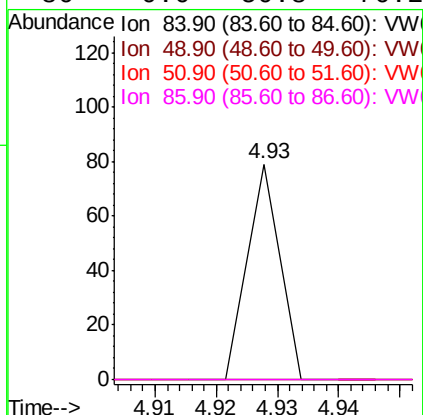
Ion Ratio Lower Upper

84 100

49 0.0 87.1 130.7#

51 0.0 28.2 42.2#

86 0.0 50.8 76.2#



#33

1,2-Dichloroethane-d4

Concen: 53.787 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW007614.D

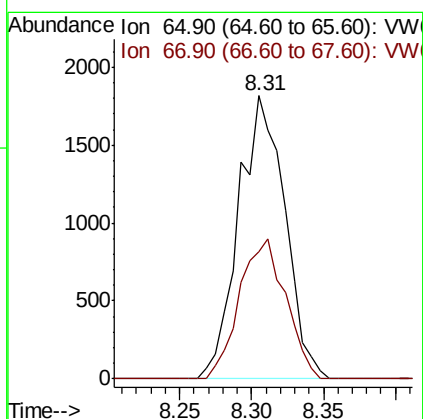
Acq: 16 Dec 2018 06:50

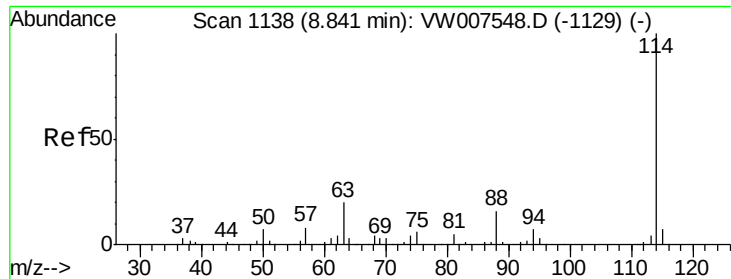
Tgt Ion: 65 Resp: 4047

Ion Ratio Lower Upper

65 100

67 49.4 0.0 101.6

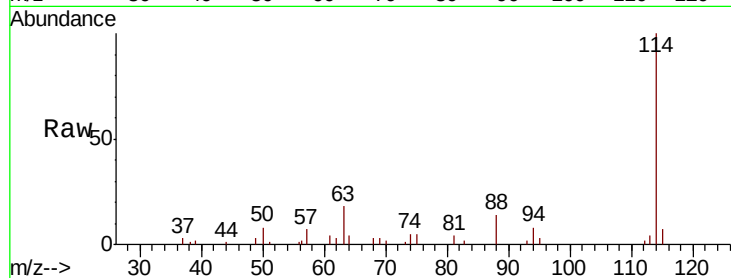




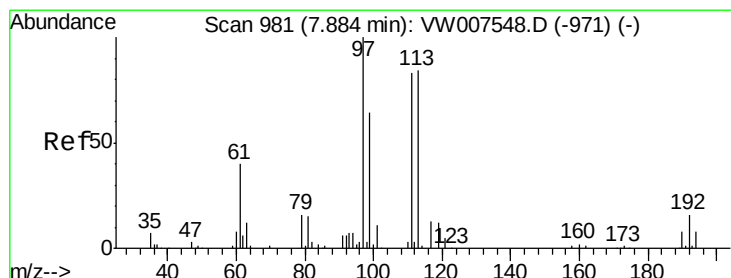
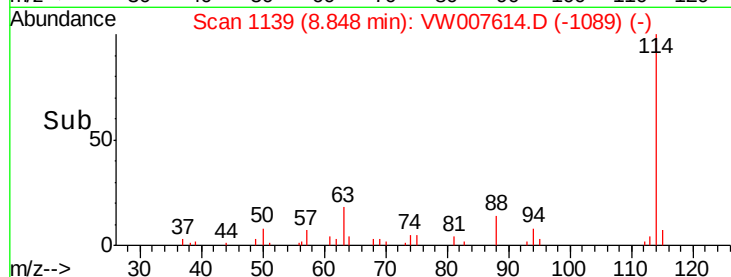
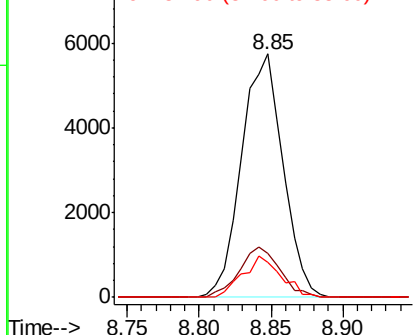
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VW007614.D
Acq: 16 Dec 2018 06:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 11451
Ion Ratio Lower Upper
114 100
63 17.8 0.0 39.6
88 14.2 0.0 31.4

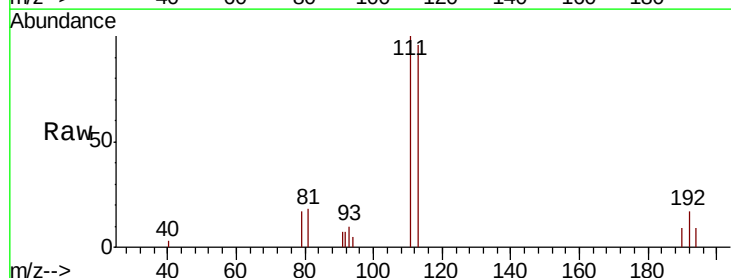


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

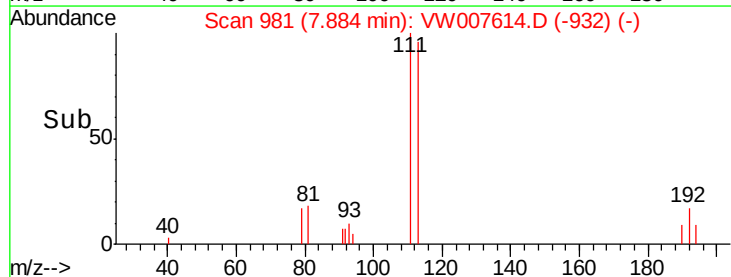
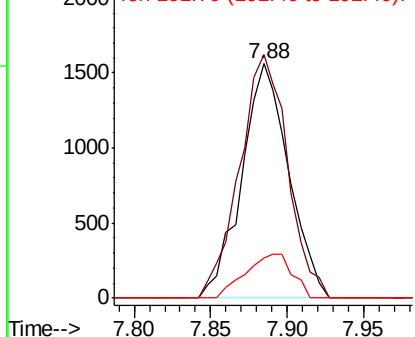


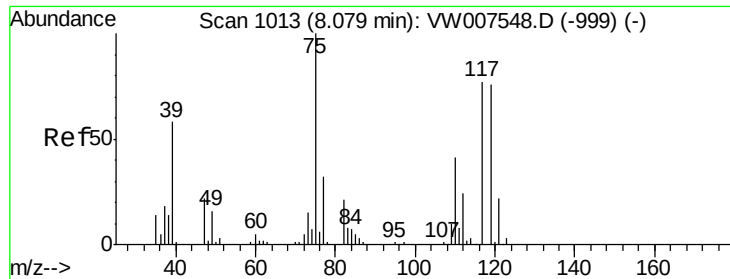
#35
Dibromofluoromethane
Concen: 48.112 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW007614.D
Acq: 16 Dec 2018 06:50

Tgt Ion:113 Resp: 3335
Ion Ratio Lower Upper
113 100
111 106.1 81.1 121.7
192 18.5 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

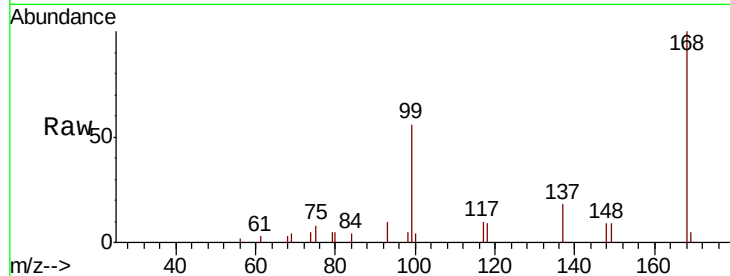




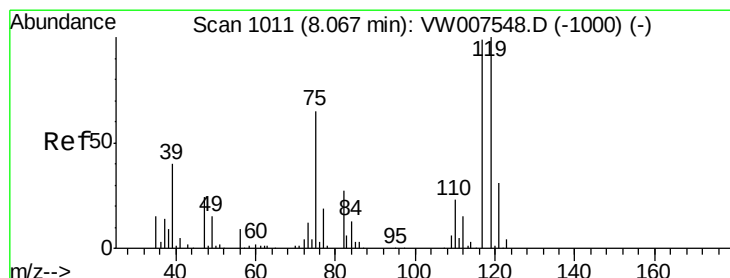
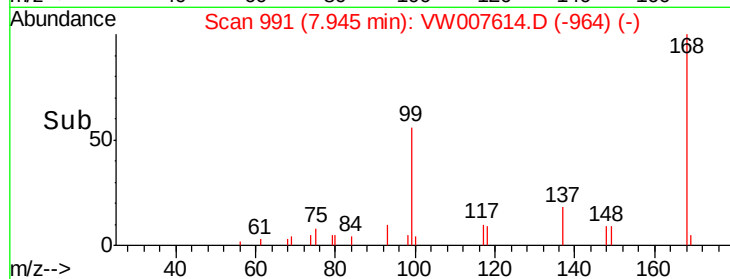
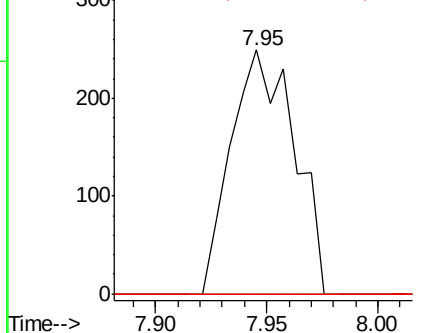
#36
 1,1-Dichloropropene
 Concen: 4.739 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007614.D
 Acq: 16 Dec 2018 06:50

Instrument :
 MSVOA_W
 ClientSampled :

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

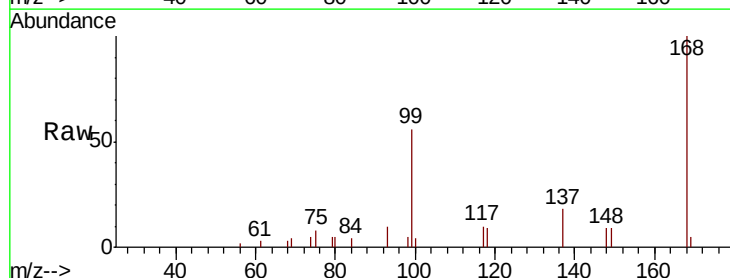


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

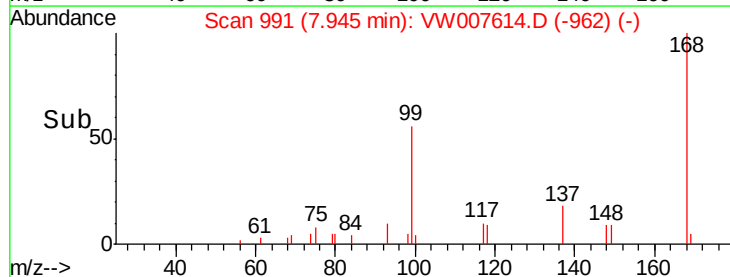
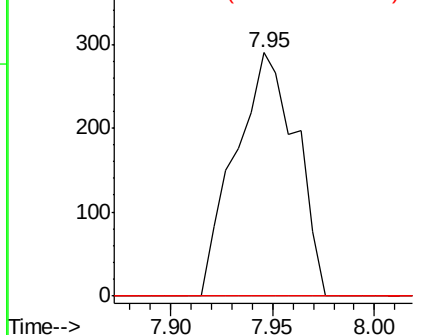


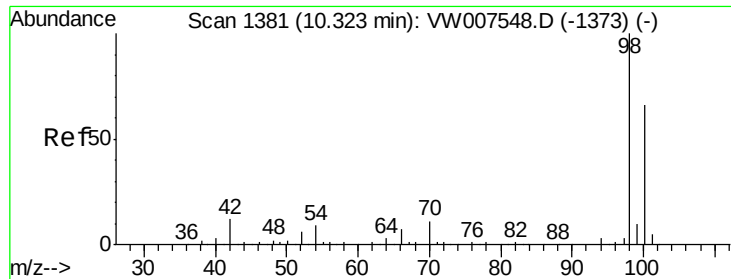
#38
 Carbon Tetrachloride
 Concen: 5.296 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007614.D
 Acq: 16 Dec 2018 06:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	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

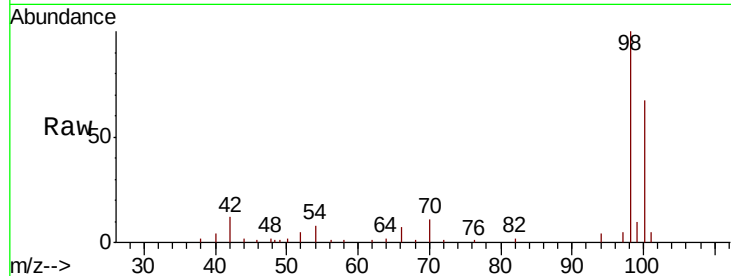




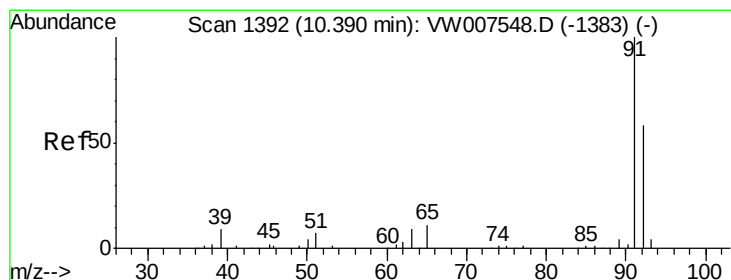
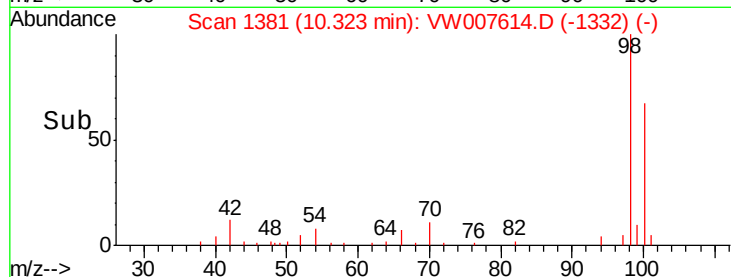
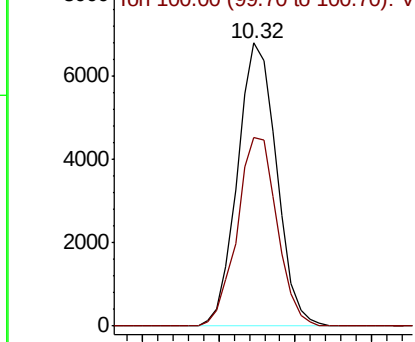
#50
Toluene-d8
Concen: 46.402 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007614.D
Acq: 16 Dec 2018 06:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 98 Resp: 12060
Ion Ratio Lower Upper
98 100
100 67.8 51.8 77.8

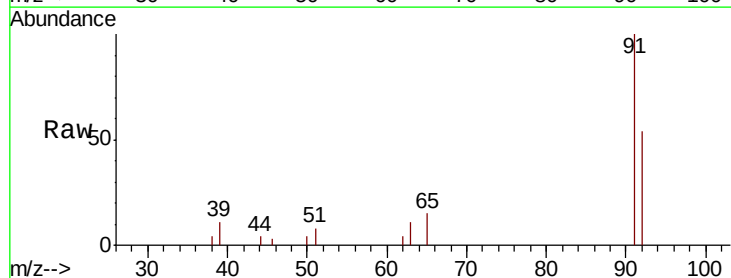


Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

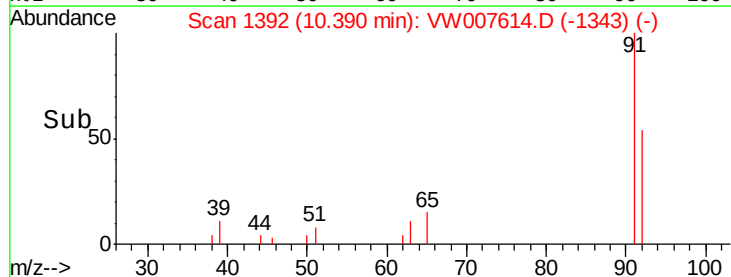
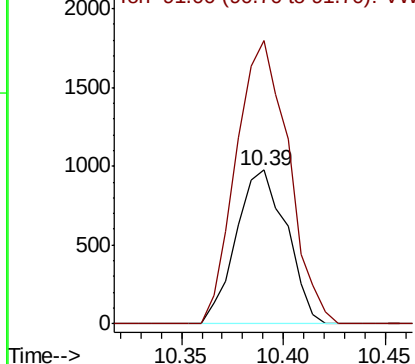


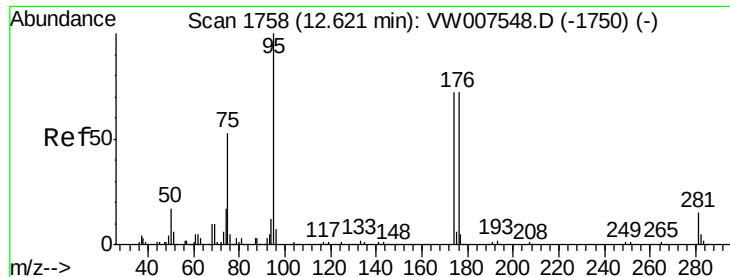
#52
Toluene
Concen: 8.982 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW007614.D
Acq: 16 Dec 2018 06:50

Tgt Ion: 92 Resp: 1685
Ion Ratio Lower Upper
92 100
91 190.5 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW
Ion 91.00 (90.70 to 91.70): VW

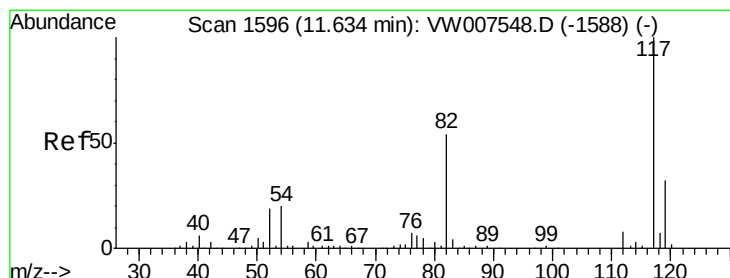
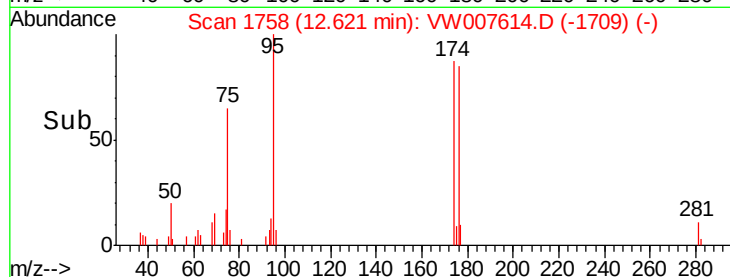
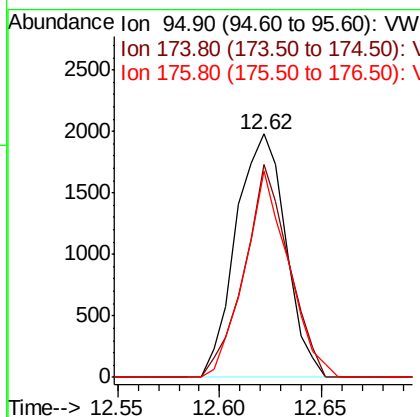
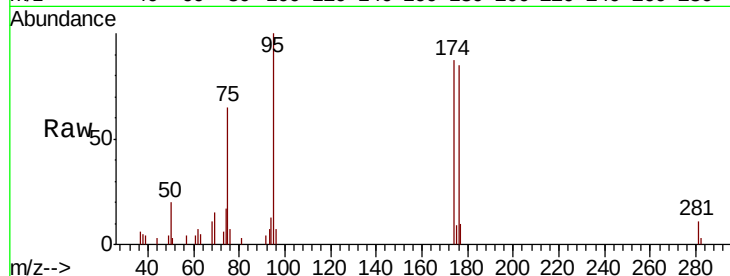




#62
4-Bromofluorobenzene
Concen: 35.004 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007614.D
Acq: 16 Dec 2018 06:50

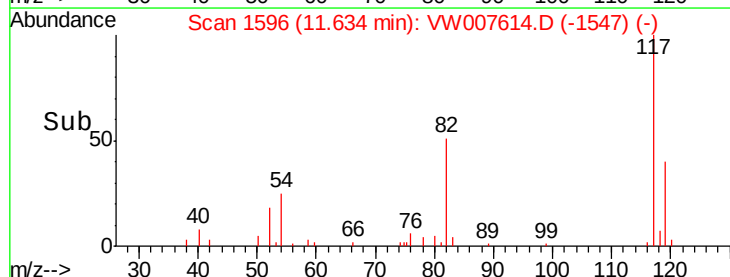
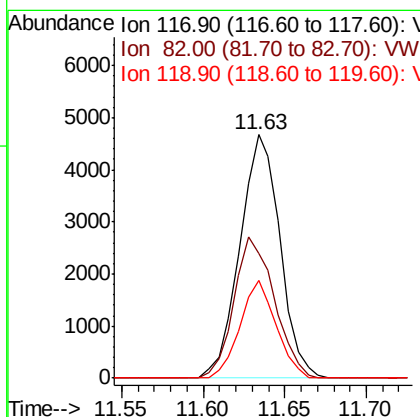
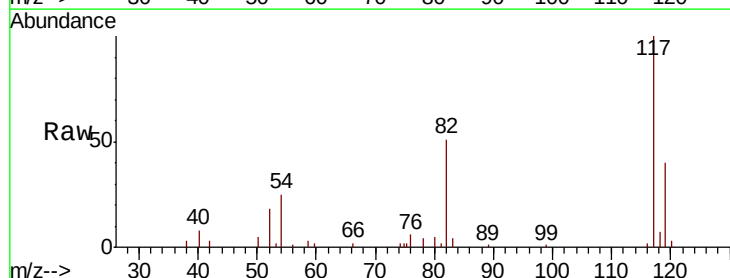
Instrument :
MSVOA_W
ClientSampleId :

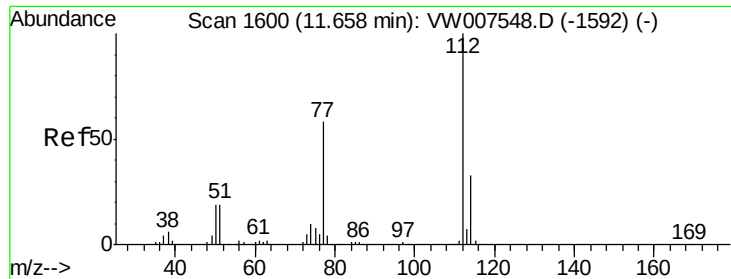
Tot Ion: 95 Resp: 3345
Ion Ratio Lower Upper
95 100
174 78.3 0.0 147.2
176 75.5 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007614.D
Acq: 16 Dec 2018 06:50

Tgt Ion: 117 Resp: 7995
Ion Ratio Lower Upper
117 100
82 51.1 42.3 63.5
119 40.0 23.0 34.6#





#65

Chlorobenzene

Concen: 1.134 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW007614.D

Acq: 16 Dec 2018 06:50

Instrument :

MSVOA_W

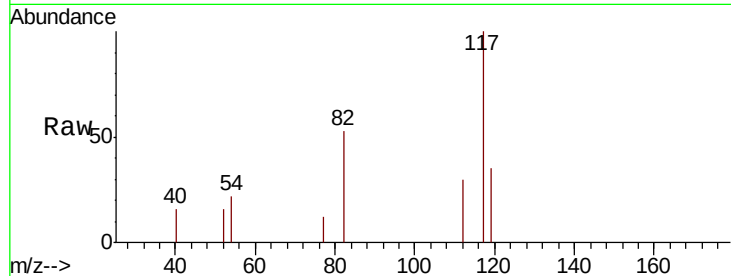
ClientSampled :

Tot Ion:112 Resp: 189

Ion Ratio Lower Upper

112 100

114 0.0 27.8 41.8#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

150

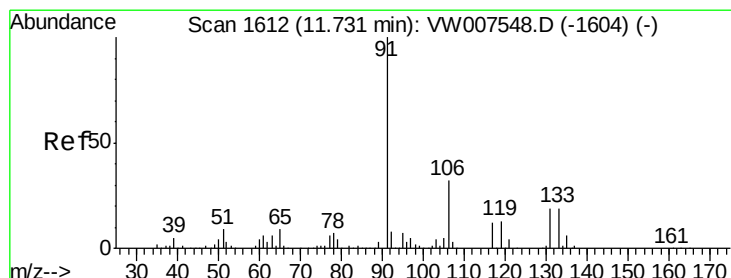
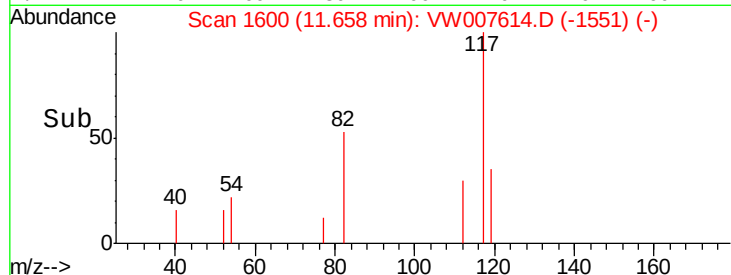
100

50

0

11.65

Time-->



#67

Ethyl Benzene

Concen: 1.361 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW007614.D

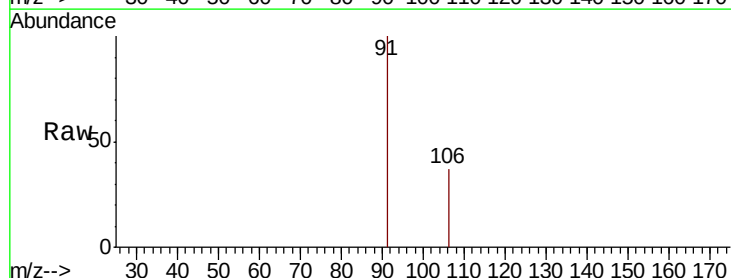
Acq: 16 Dec 2018 06:50

Tgt Ion: 91 Resp: 390

Ion Ratio Lower Upper

91 100

106 37.3 21.8 32.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

250

200

150

100

50

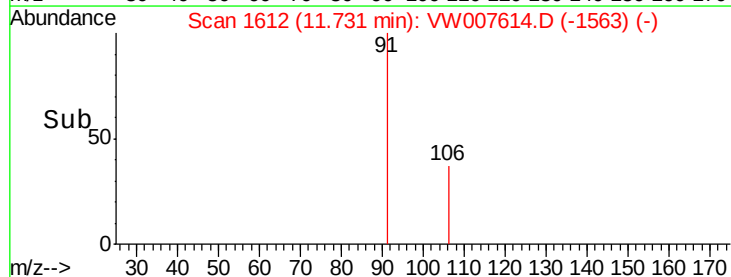
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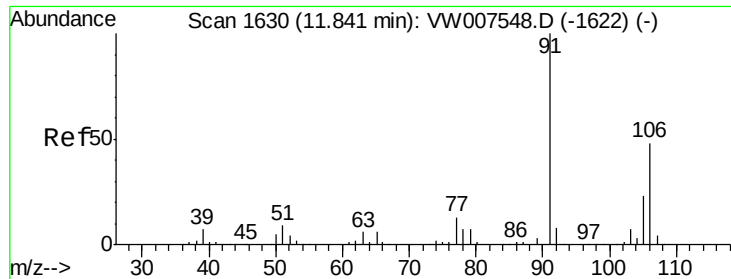
11.73

11.70

11.75

Time-->

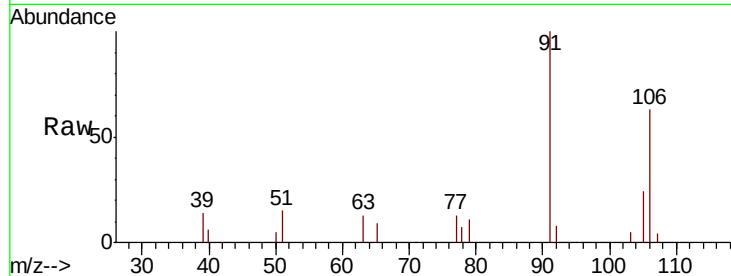




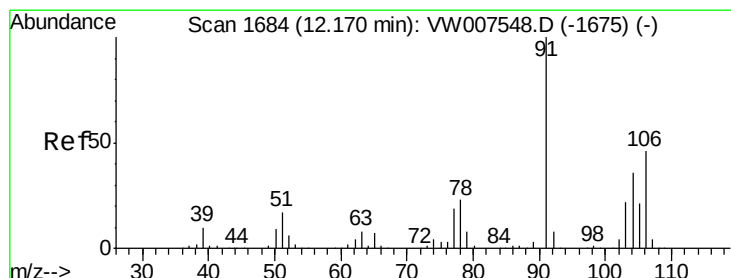
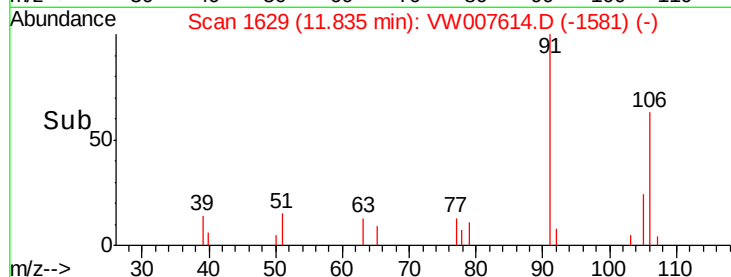
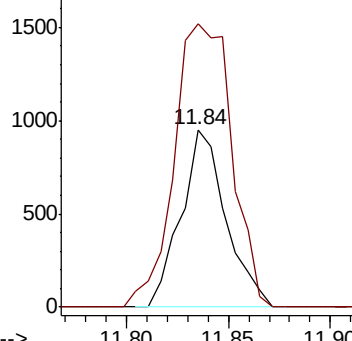
#68
m/p-Xylenes
Concen: 13.063 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007614.D
Acq: 16 Dec 2018 06:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 1455
Ion Ratio Lower Upper
106 100
91 204.4 165.3 247.9

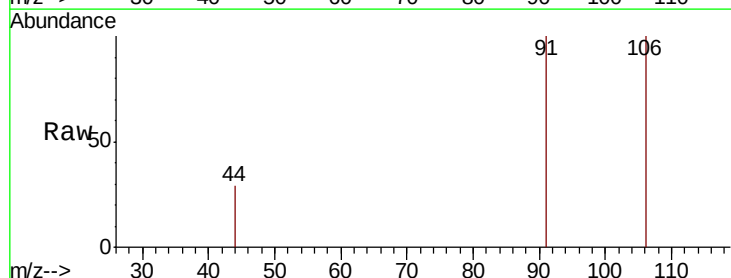


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

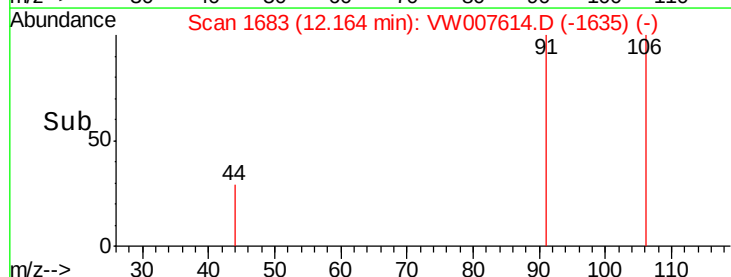
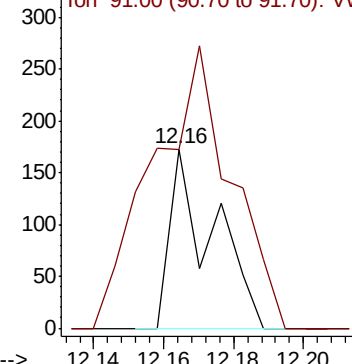


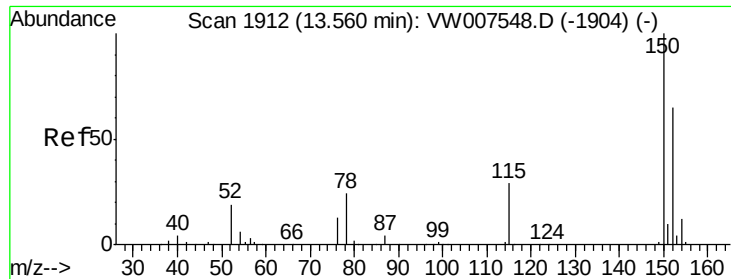
#69
o-Xylene
Concen: 1.413 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007614.D
Acq: 16 Dec 2018 06:50

Tgt Ion:106 Resp: 147
Ion Ratio Lower Upper
106 100
91 287.8 106.6 319.8



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: VW007614.D

Acq: 16 Dec 2018 06:50

Instrument :

MSVOA_W

ClientSampleId :

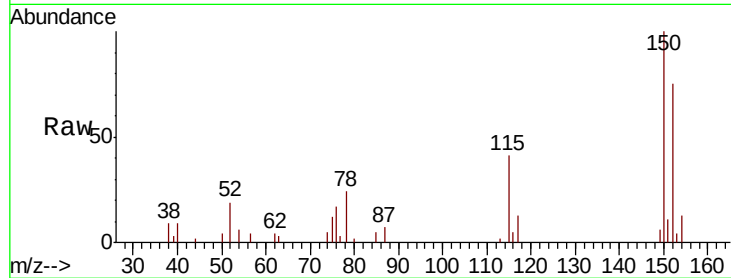
Tot Ion:152 Resp: 3096

Ion Ratio Lower Upper

152 100

115 58.7 31.4 94.2

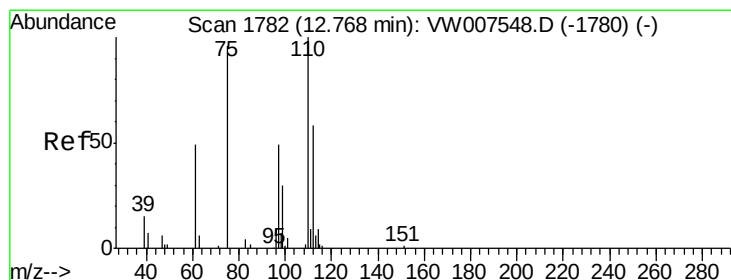
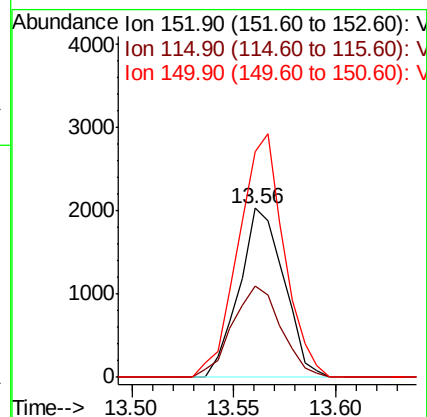
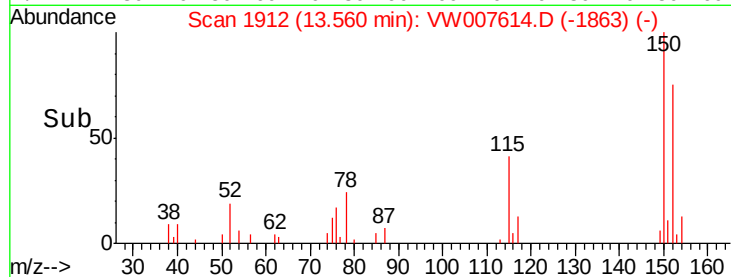
150 145.9 0.0 358.4



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: 71.688 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007614.D

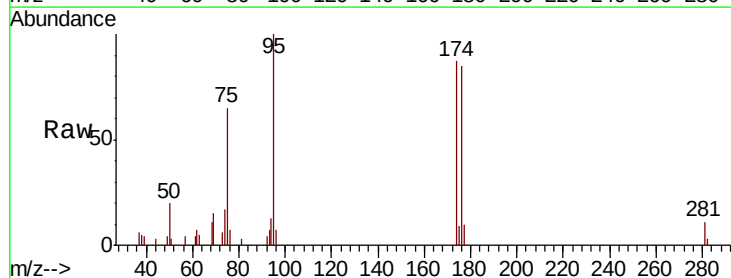
Acq: 16 Dec 2018 06:50

Tgt Ion: 75 Resp: 1830

Ion Ratio Lower Upper

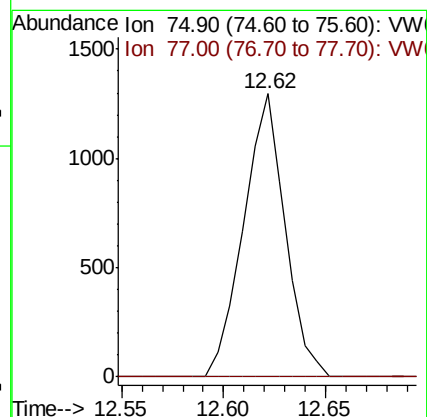
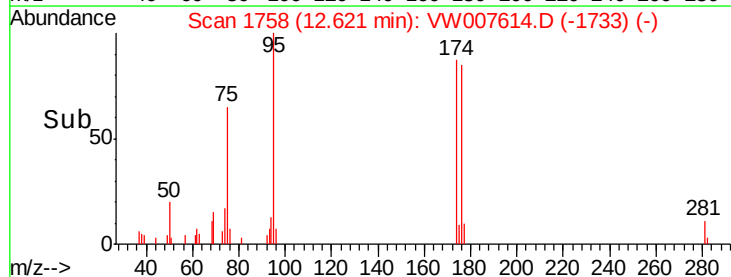
75 100

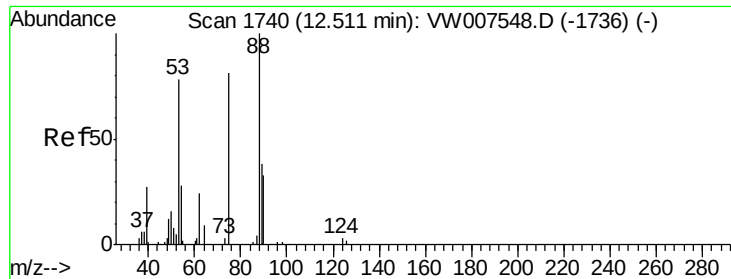
77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

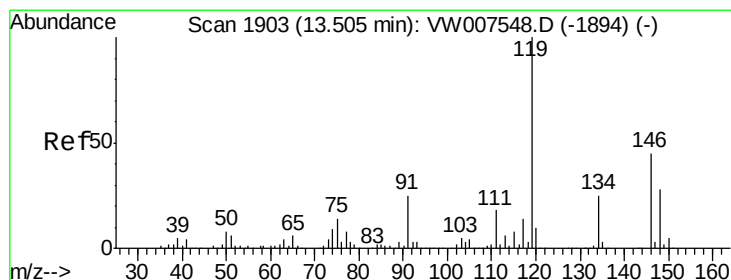
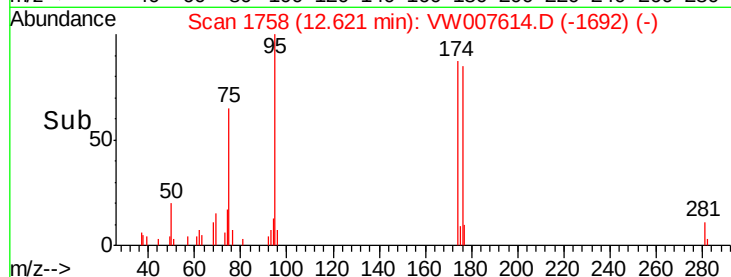
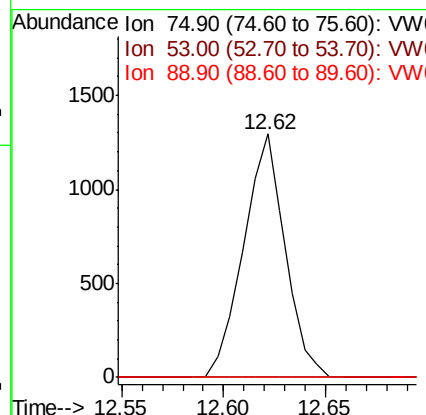
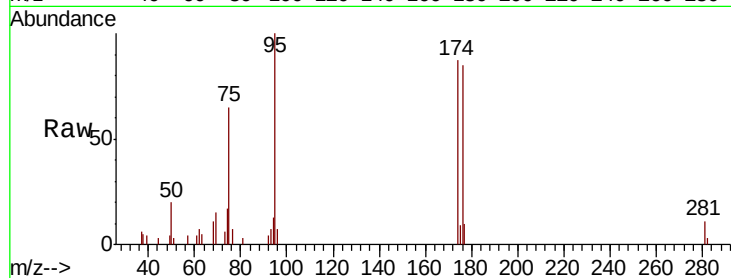




#81
trans-1,4-Dichloro-2-butene
Concen: 158.359 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW007614.D
Acq: 16 Dec 2018 06:50

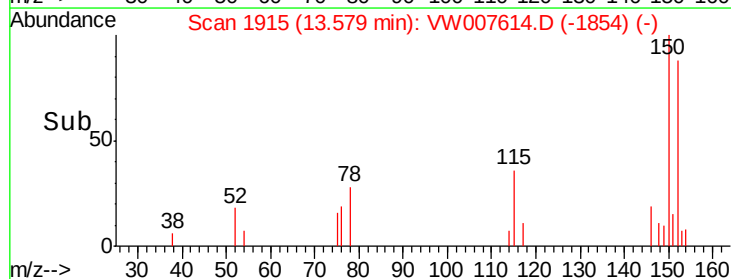
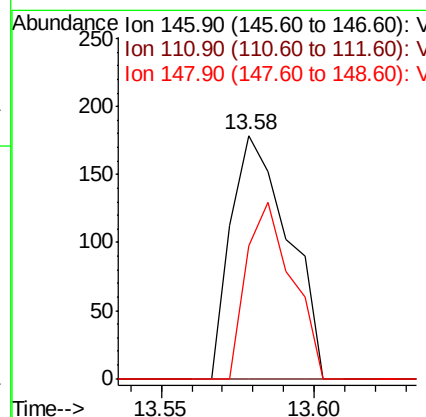
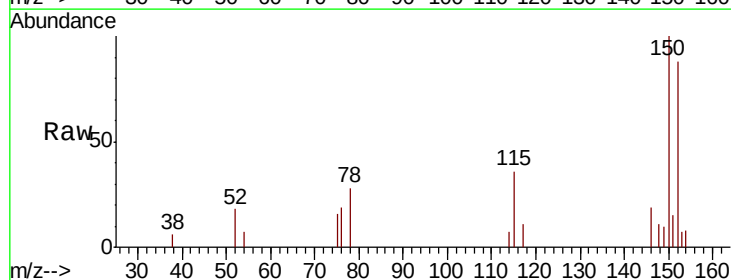
Instrument :
MSVOA_W
ClientSampleId :

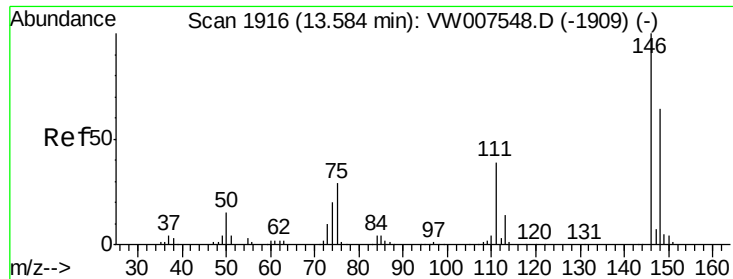
Tot Ion: 75 Resp: 1830
Ion Ratio Lower Upper
75 100
53 0.0 84.9 127.3#
89 0.0 40.3 60.5#



#87
1,3-Dichlorobenzene
Concen: 2.222 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. 0.07 min
Lab File: VW007614.D
Acq: 16 Dec 2018 06:50

Tgt Ion: 146 Resp: 233
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 57.5 31.4 94.0

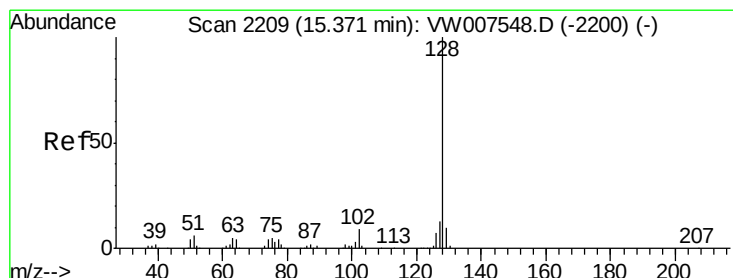
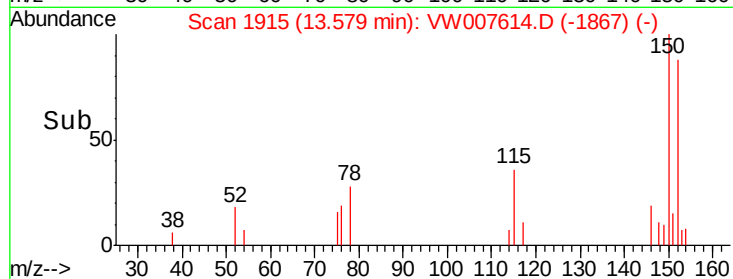
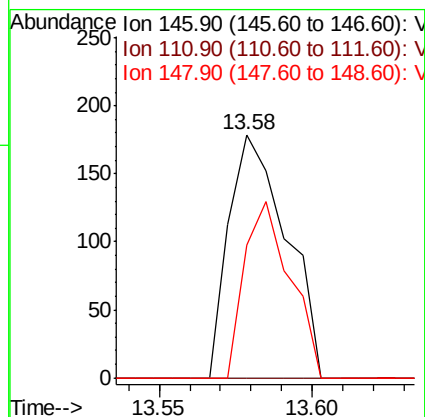
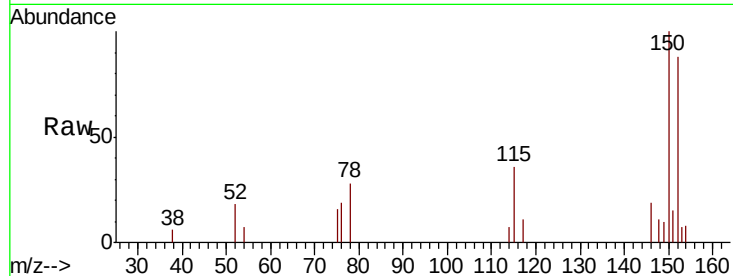




#88
 1,4-Dichlorobenzene
 Concen: 2.211 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW007614.D
 Acq: 16 Dec 2018 06:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 233
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.3 61.0#
 148 57.5 33.5 100.5



#95
 Naphthalene
 Concen: 1.173 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW007614.D
 Acq: 16 Dec 2018 06:50

Tgt Ion:128 Resp: 145
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 0.0 8.3 12.5#

