

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007855.D
 Acq On : 22 Dec 2018 20:37
 Operator : SY/AP
 Sample : J6389-01RE
 Misc : 6.11G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS012-0006-01RE

Quant Time: Dec 23 23:56:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

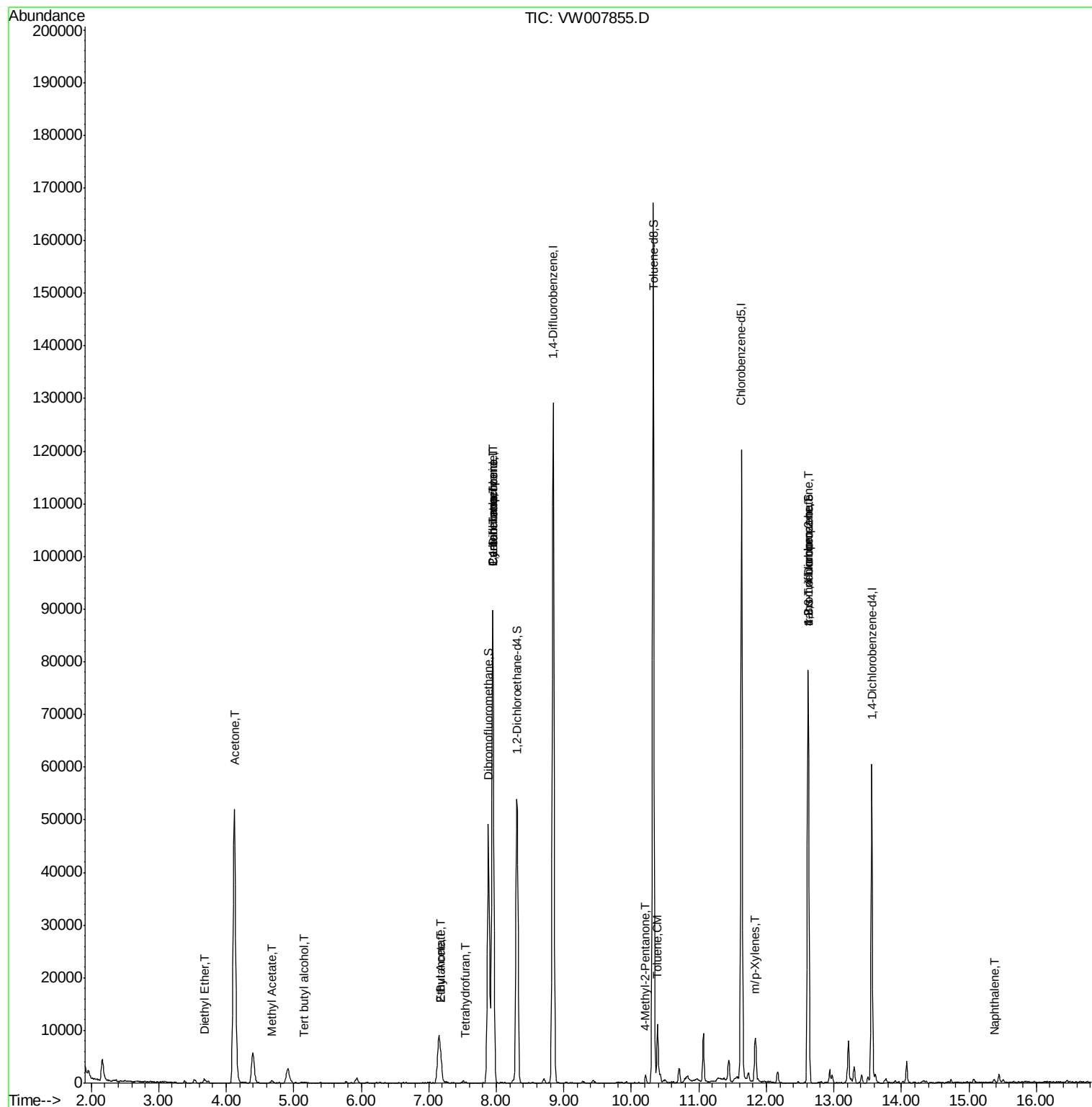
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	65387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	111053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	68673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	15875	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	45398	63.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.70%	
35) Dibromofluoromethane	7.88	113	36426	53.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.54%	
50) Toluene-d8	10.32	98	111529	43.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.34%	
62) 4-Bromofluorobenzene	12.62	95	25437	25.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	51.56%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	388	1.339	ug/l #	44
11) Tert butyl alcohol	5.15	59	143	2.958	ug/l #	73
16) Acetone	4.12	43	90691	675.772	ug/l	95
18) Methyl Acetate	4.67	43	975	3.055	ug/l #	71
20) Methylene Chloride	4.91	84	2399	Below Cal		98
25) 2-Butanone	7.18	43	6556	41.707	ug/l #	88
29) Tetrahydrofuran	7.54	42	151	1.610	ug/l #	27
31) Cyclohexane	7.95	56	1306	1.224	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5007	4.671	ug/l #	50
37) Ethyl Acetate	7.18	43	6556	17.723	ug/l #	68
38) Carbon Tetrachloride	7.95	117	6922	5.484	ug/l #	13
51) 4-Methyl-2-Pentanone	10.21	43	969	2.767	ug/l #	82
52) Toluene	10.39	92	5005	2.608	ug/l	96
68) m/p-Xylenes	11.83	106	2716	2.745	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	12706	103.554	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	12706	217.368	ug/l #	9
95) Naphthalene	15.37	128	749	1.194	ug/l #	69

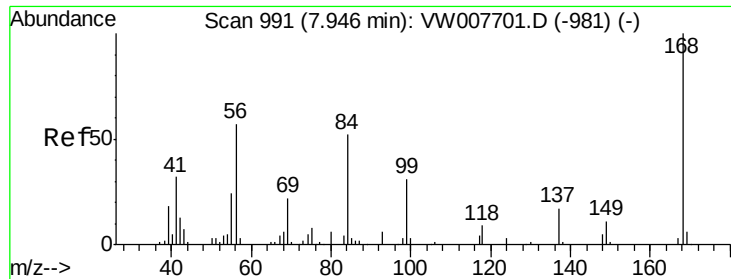
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
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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: VW007855.D

Acq: 22 Dec 2018 20:37

Instrument :

MSVOA_W

ClientSampleId :

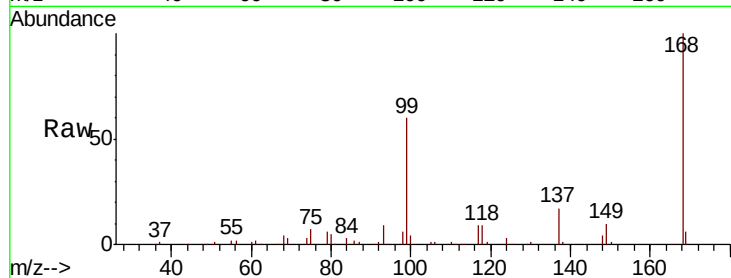
P001-SS012-0006-01RE

Tgt Ion:168 Resp: 65387

Ion Ratio Lower Upper

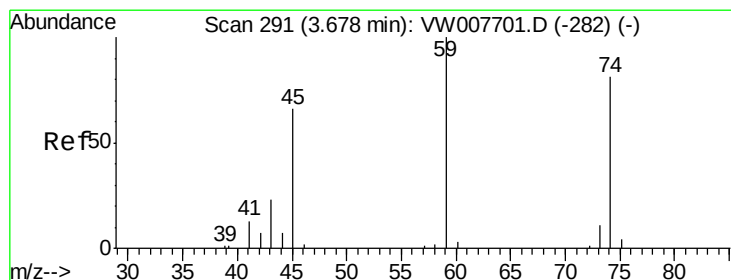
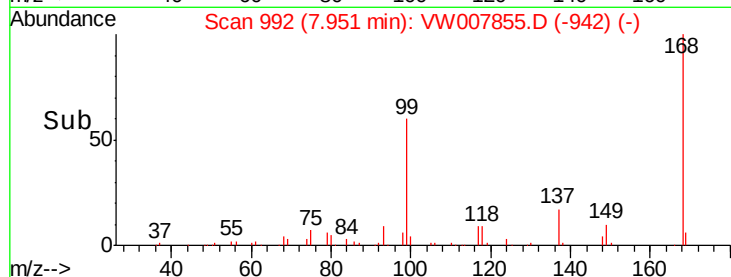
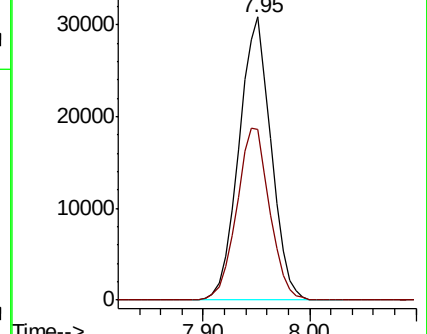
168 100

99 60.2 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.339 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW007855.D

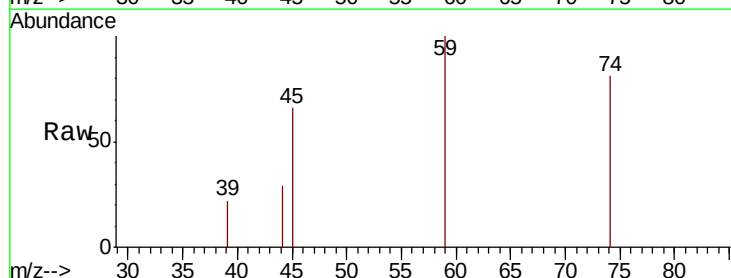
Acq: 22 Dec 2018 20:37

Tgt Ion: 74 Resp: 388

Ion Ratio Lower Upper

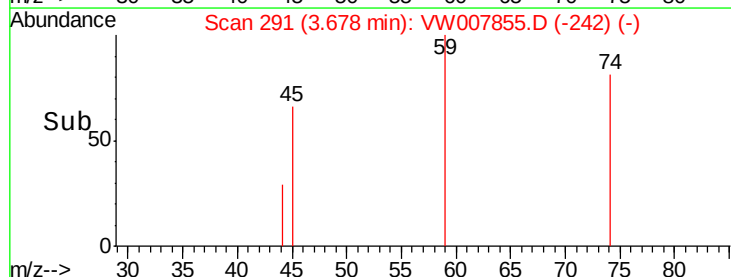
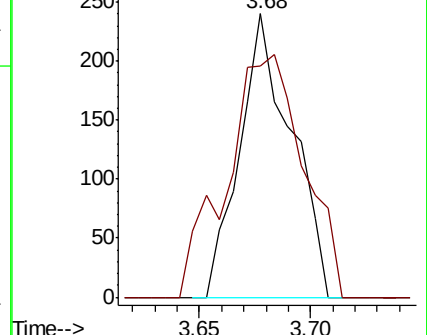
74 100

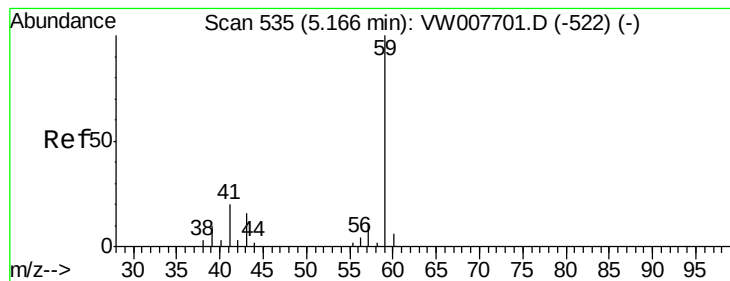
45 127.6 39.4 118.1#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



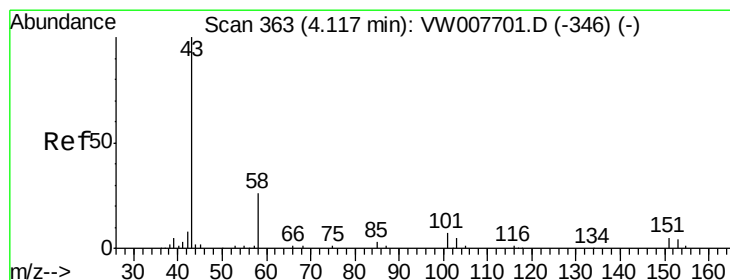
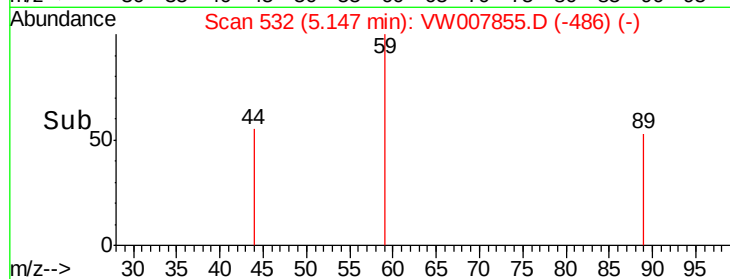
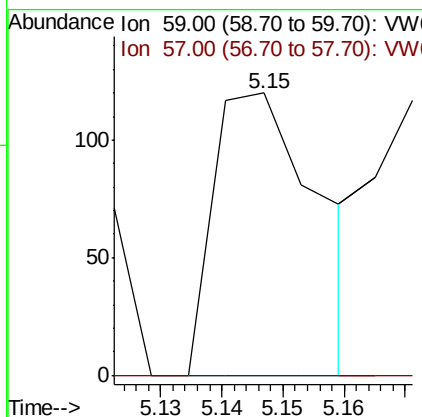
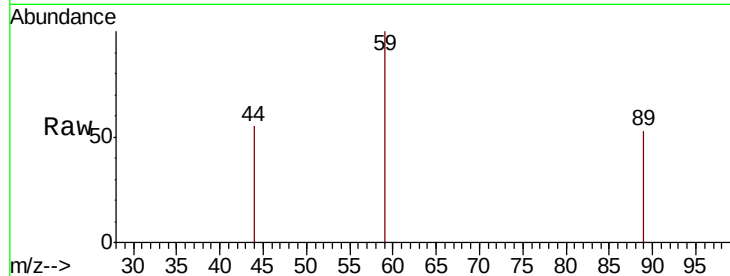


#11

Tert butyl alcohol
 Concen: 2.958 ug/l
 RT: 5.15 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VW007855.D
 Acq: 22 Dec 2018 20:37

Instrument :
 MSVOA_W
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 P001-SS012-0006-01RE

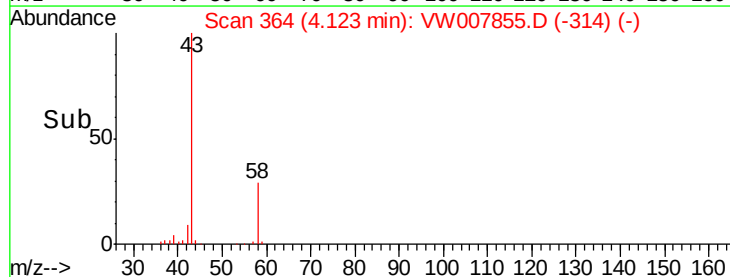
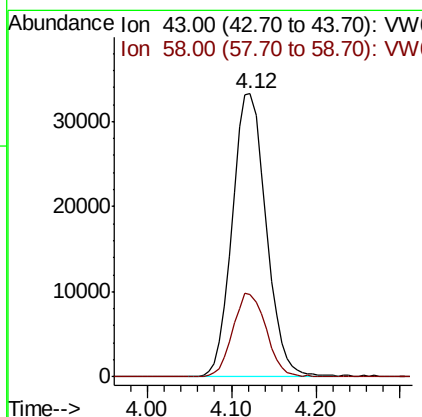
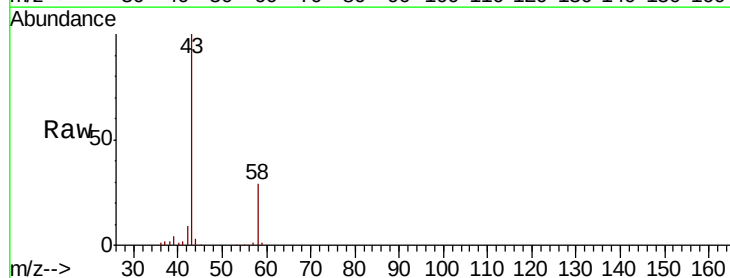
Tgt Ion: 59 Resp: 143
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

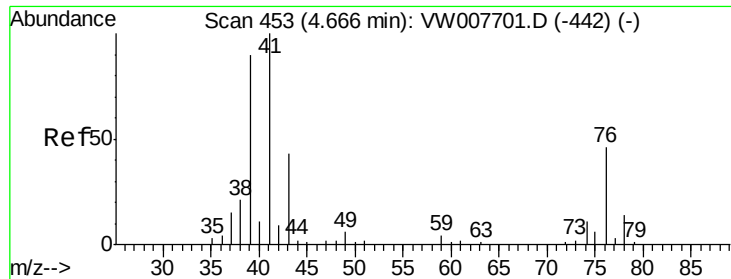


#16

Acetone
 Concen: 675.772 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW007855.D
 Acq: 22 Dec 2018 20:37

Tgt Ion: 43 Resp: 90691
 Ion Ratio Lower Upper
 43 100
 58 29.0 21.2 31.8





#18

Methyl Acetate

Concen: 3.055 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007855.D

Acq: 22 Dec 2018 20:37

Instrument :

MSVOA_W

ClientSampleId :

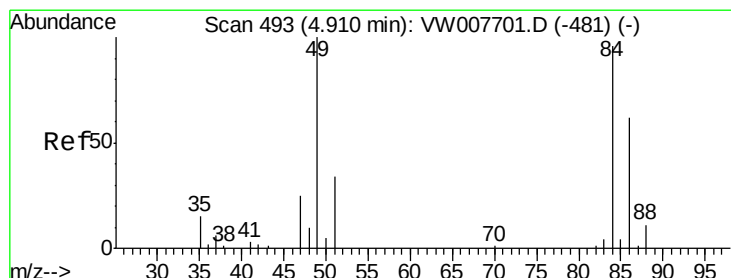
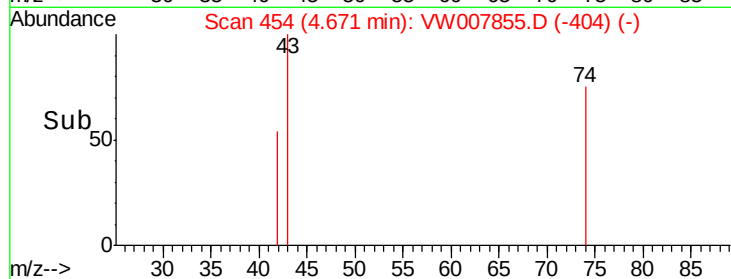
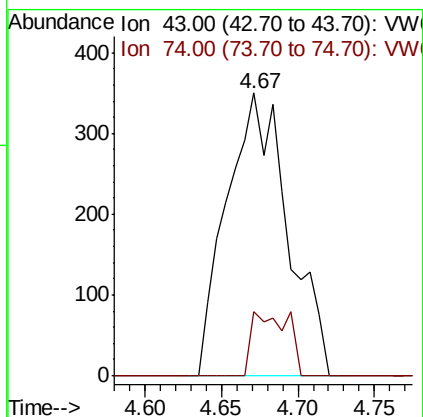
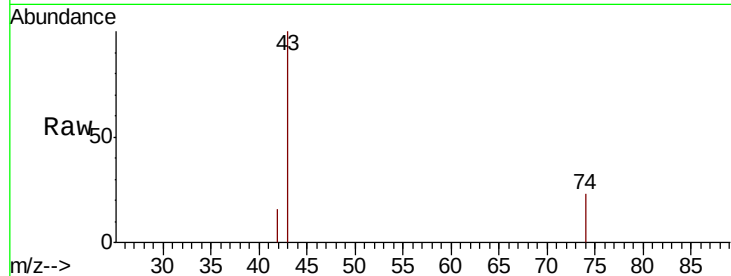
P001-SS012-0006-01RE

Tgt Ion: 43 Resp: 975

Ion Ratio Lower Upper

43 100

74 13.2 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007855.D

Acq: 22 Dec 2018 20:37

Tgt Ion: 84 Resp: 2399

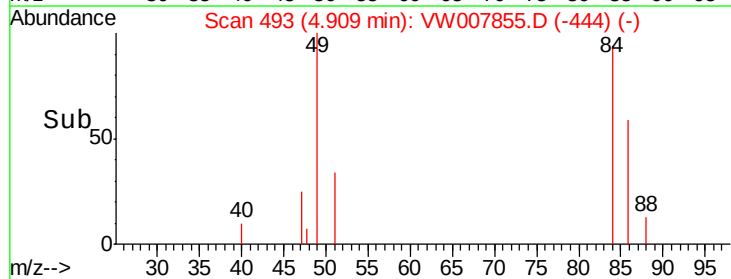
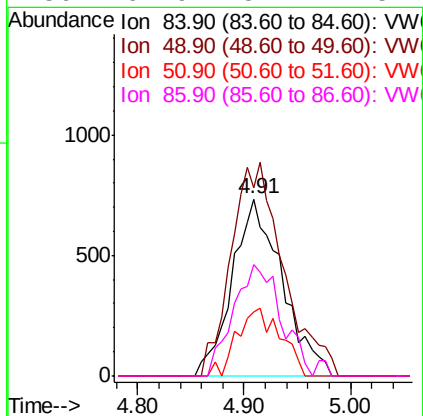
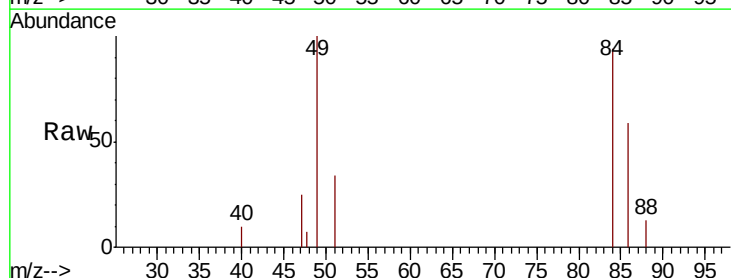
Ion Ratio Lower Upper

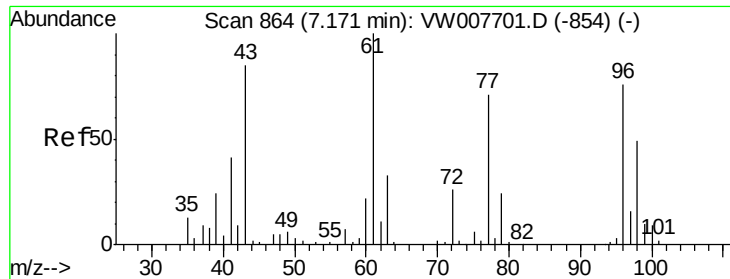
84 100

49 106.5 83.7 125.5

51 35.8 28.2 42.2

86 62.9 52.2 78.2

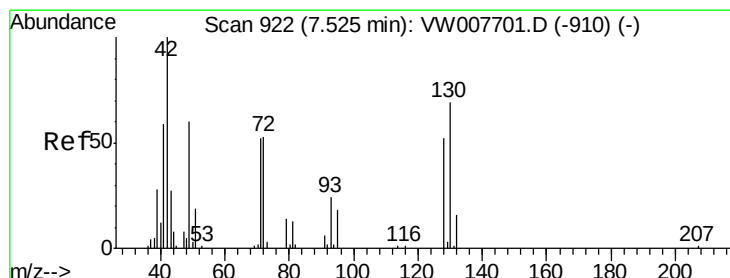
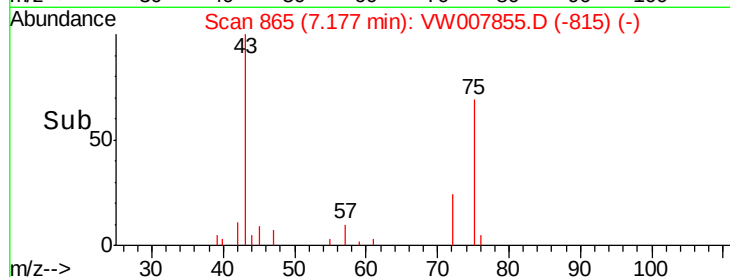
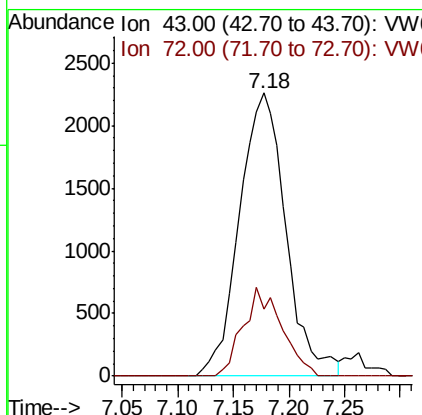
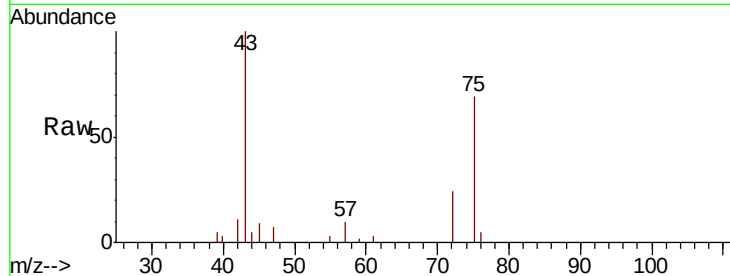




#25
 2-Butanone
 Concen: 41.707 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW007855.D
 Acq: 22 Dec 2018 20:37

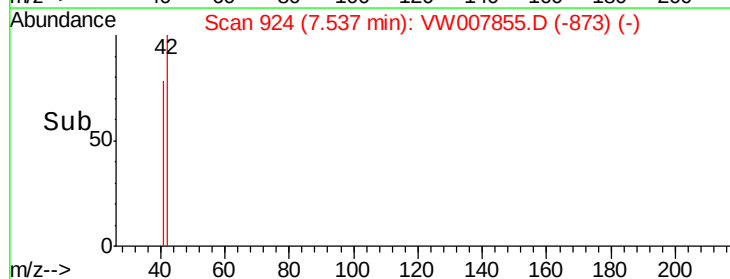
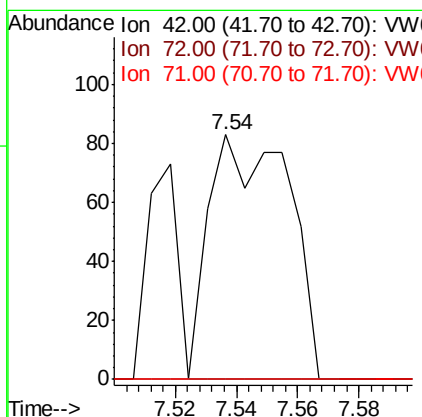
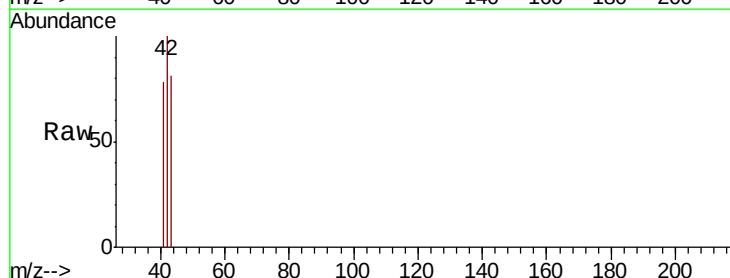
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS012-0006-01RE

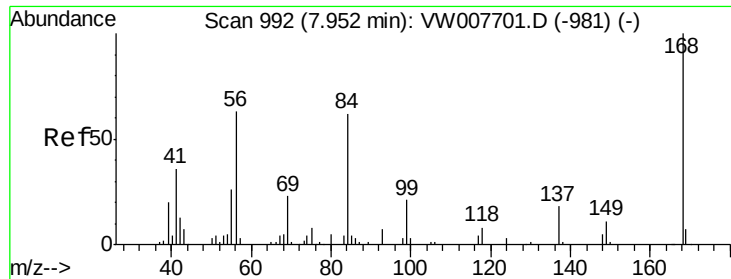
Tgt Ion: 43 Resp: 6556
 Ion Ratio Lower Upper
 43 100
 72 23.9 24.5 36.7#



#29
 Tetrahydrofuran
 Concen: 1.610 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW007855.D
 Acq: 22 Dec 2018 20:37

Tgt Ion: 42 Resp: 151
 Ion Ratio Lower Upper
 42 100
 72 0.0 41.7 62.5#
 71 0.0 39.0 58.6#

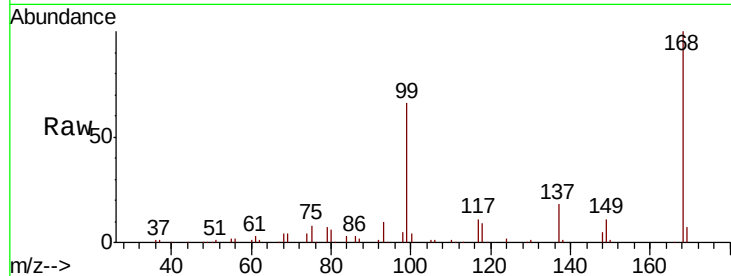




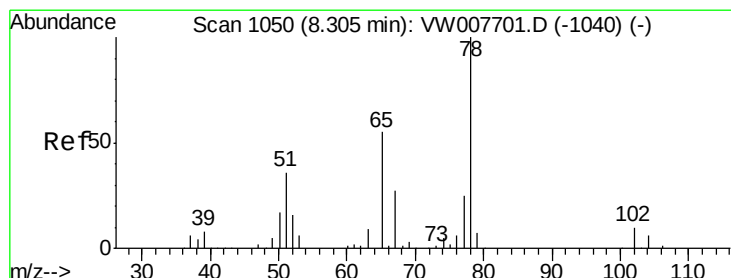
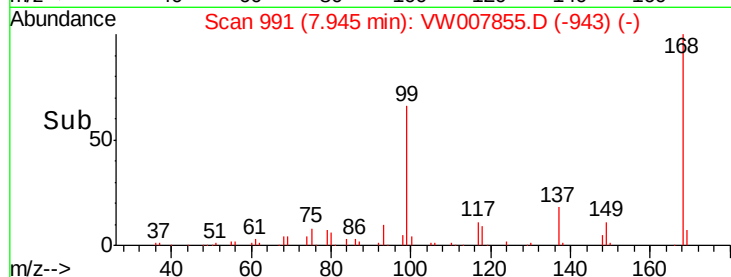
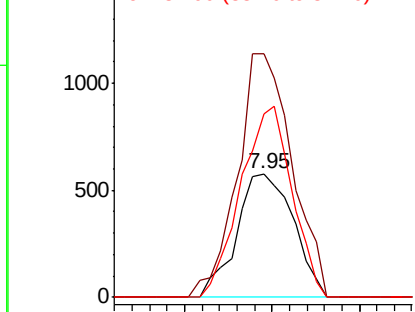
#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007855.D
Acq: 22 Dec 2018 20:37

Instrument :
MSVOA_W
ClientSampleId :
P001-SS012-0006-01RE

Tgt Ion: 56 Resp: 1306
Ion Ratio Lower Upper
56 100
69 197.2 29.7 44.5#
84 148.2 78.9 118.3#

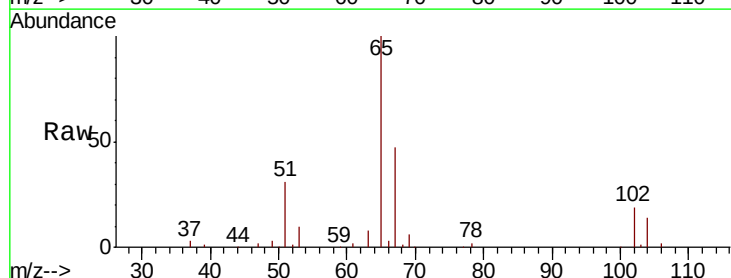


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

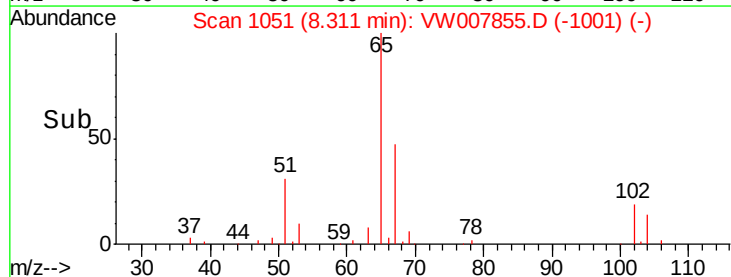
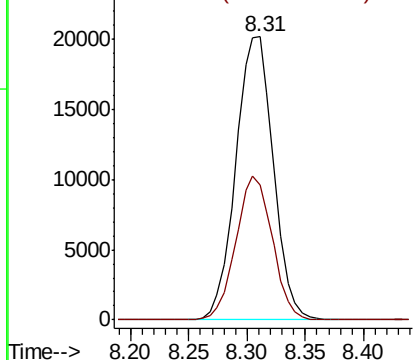


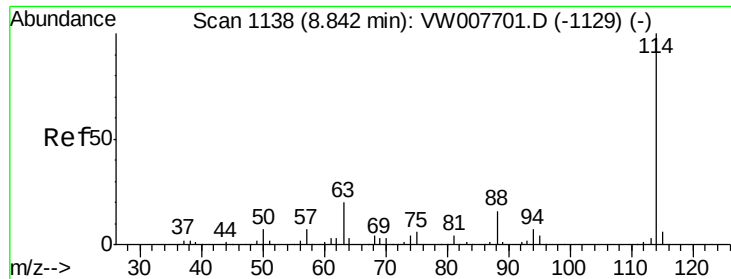
#33
1,2-Dichloroethane-d4
Concen: 63.346 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VW007855.D
Acq: 22 Dec 2018 20:37

Tgt Ion: 65 Resp: 45398
Ion Ratio Lower Upper
65 100
67 49.3 0.0 100.6



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

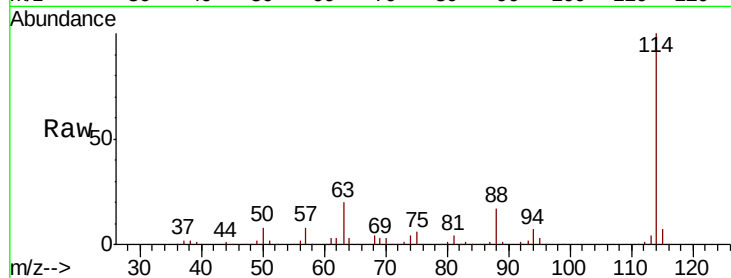




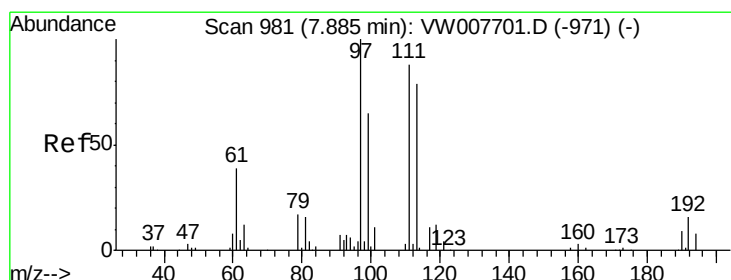
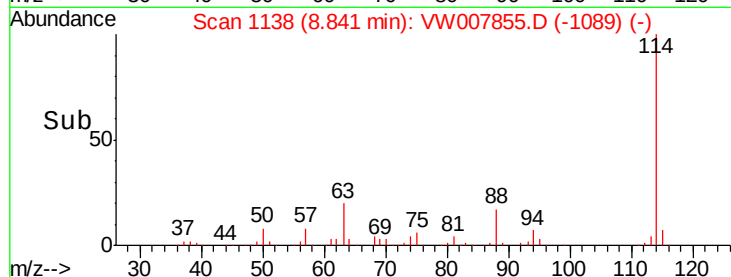
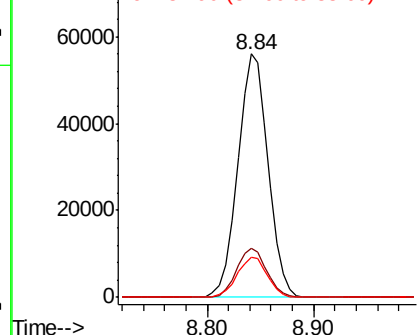
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW007855.D
Acq: 22 Dec 2018 20:37

Instrument :
MSVOA_W
ClientSampleId :
P001-SS012-0006-01RE

Tgt Ion:114 Resp: 111053
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.0
88 16.7 0.0 32.6

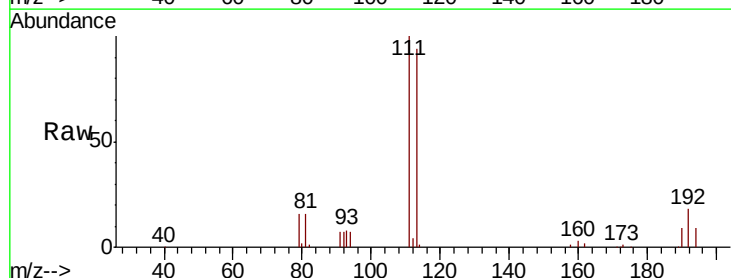


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

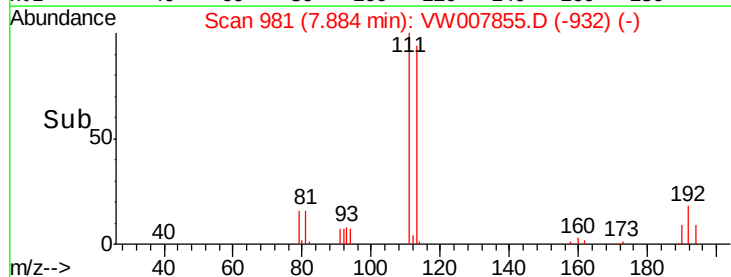
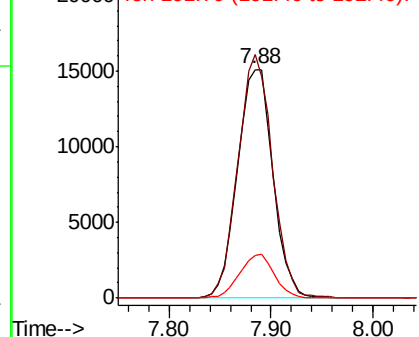


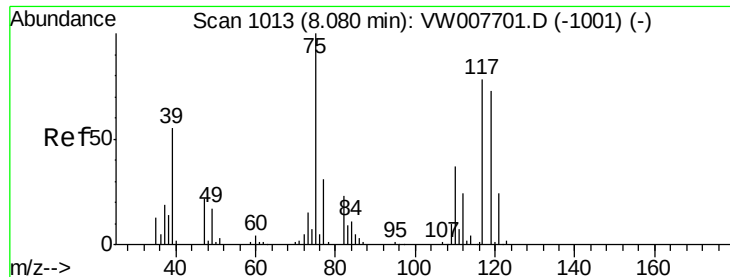
#35
Dibromofluoromethane
Concen: 53.767 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007855.D
Acq: 22 Dec 2018 20:37

Tgt Ion:113 Resp: 36426
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 18.7 15.5 23.3



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

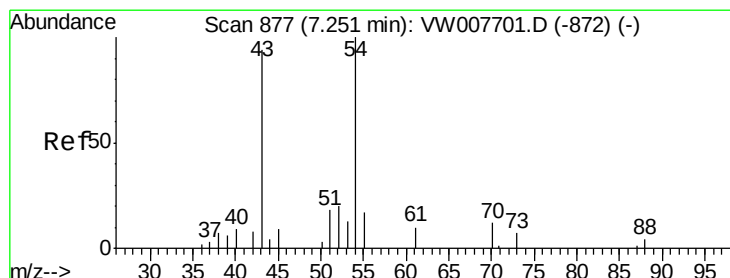
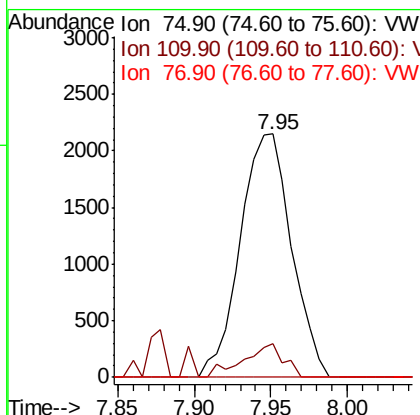
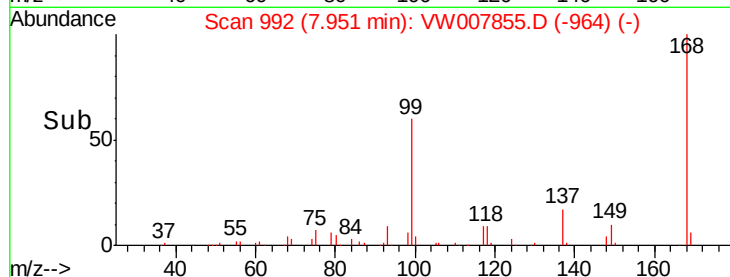
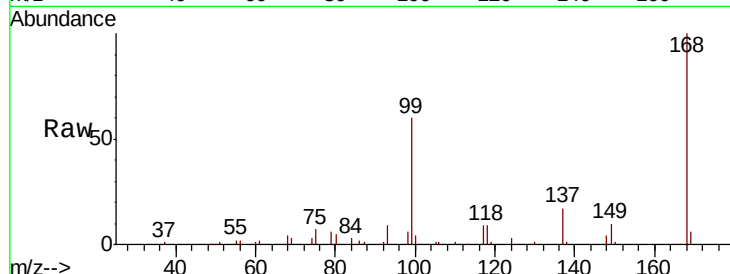




#36
 1,1-Dichloropropene
 Concen: 4.671 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007855.D
 Acq: 22 Dec 2018 20:37

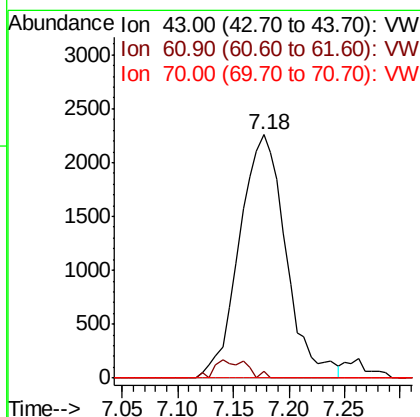
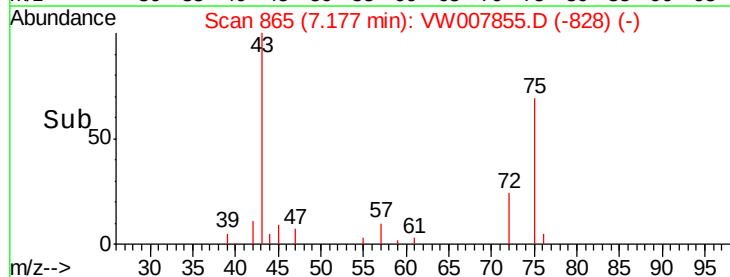
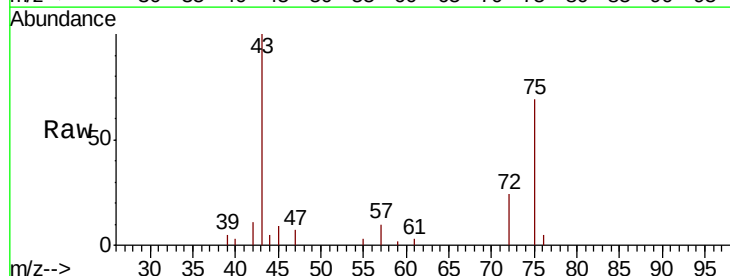
Instrument :
 MSVOA_W
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 P001-SS012-0006-01RE

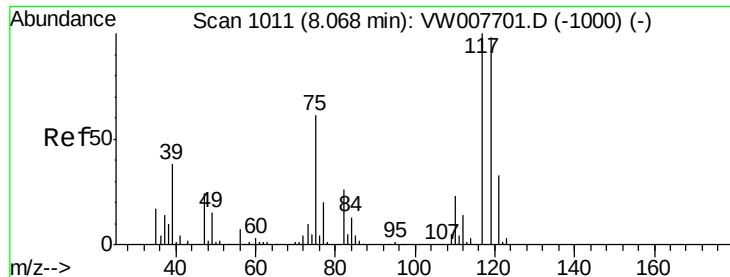
Tgt Ion: 75 Resp: 5007
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.6 55.8#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 17.723 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW007855.D
 Acq: 22 Dec 2018 20:37

Tgt Ion: 43 Resp: 6556
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.2 16.8#
 70 0.0 9.3 13.9#

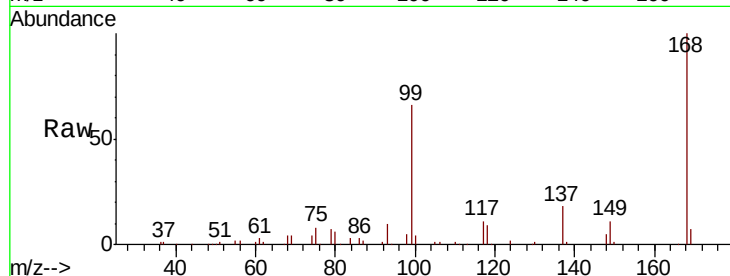




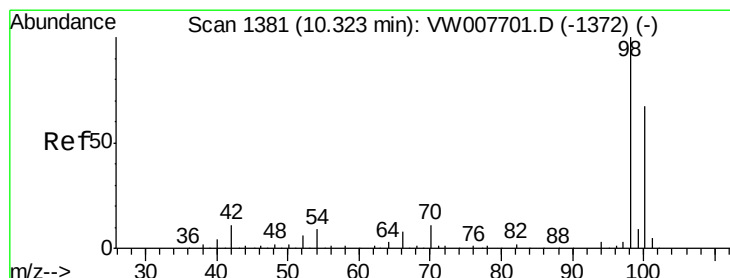
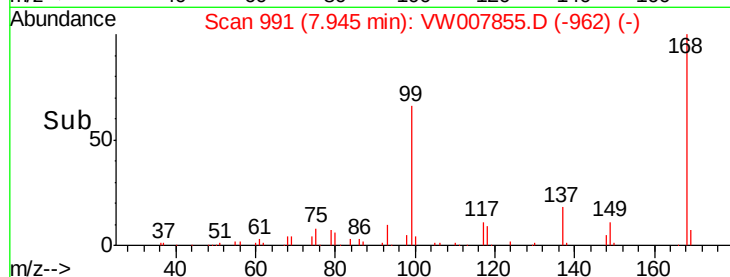
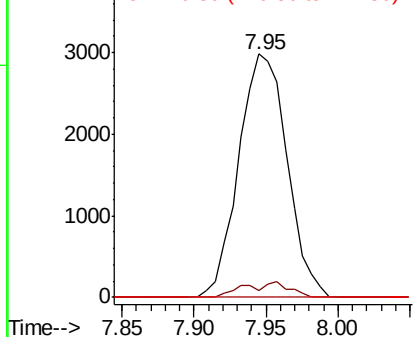
#38
Carbon Tetrachloride
Concen: 5.484 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007855.D
Acq: 22 Dec 2018 20:37

Instrument :
MSVOA_W
ClientSampleId :
P001-SS012-0006-01RE

Tgt Ion:117 Resp: 6922
Ion Ratio Lower Upper
117 100
119 2.6 78.2 117.2#
121 0.0 26.1 39.1#

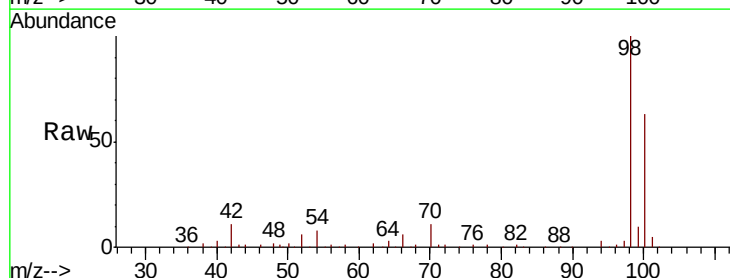


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

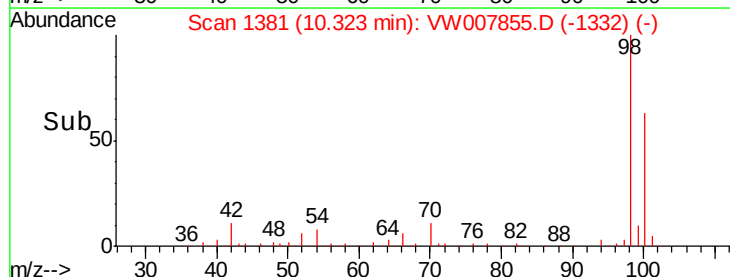
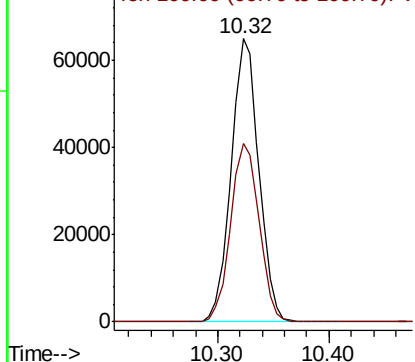


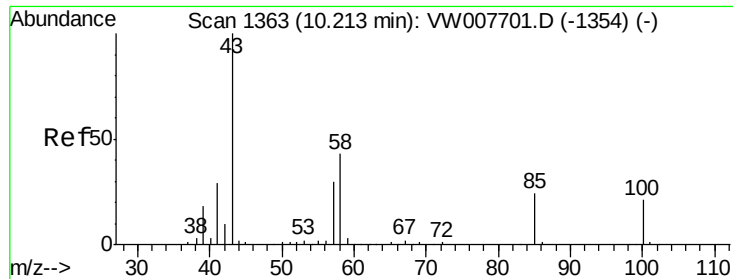
#50
Toluene-d8
Concen: 43.668 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007855.D
Acq: 22 Dec 2018 20:37

Tgt Ion: 98 Resp: 111529
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



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

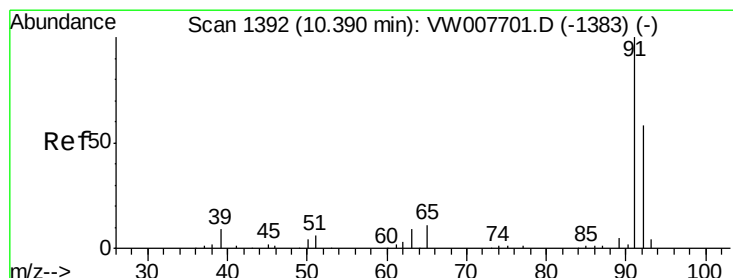
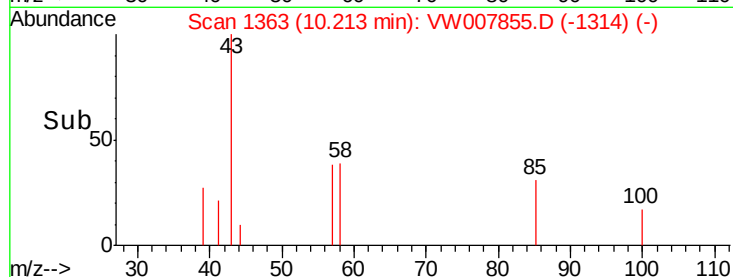
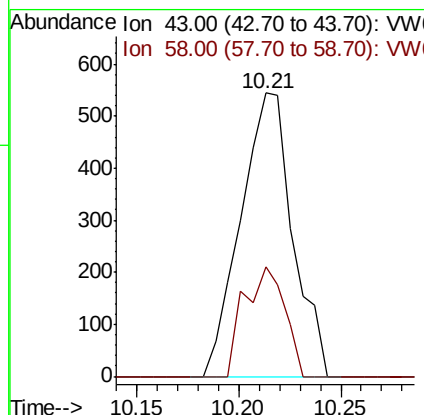
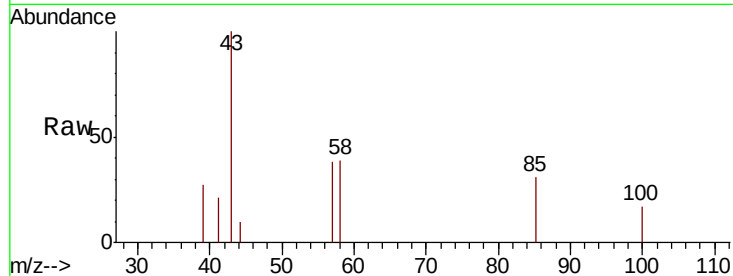




#51
 4-Methyl-2-Pentanone
 Concen: 2.767 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW007855.D
 Acq: 22 Dec 2018 20:37

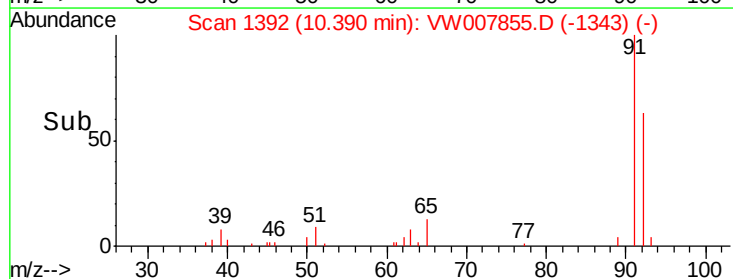
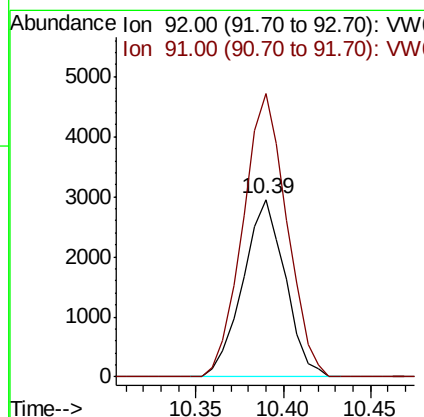
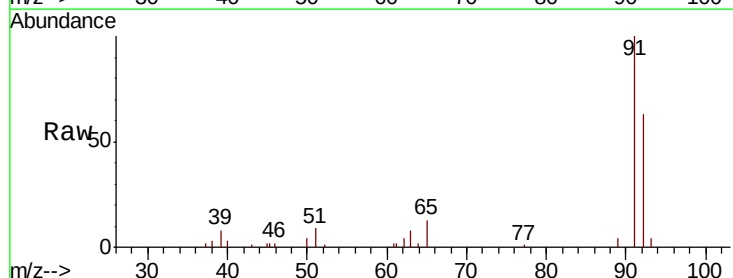
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS012-0006-01RE

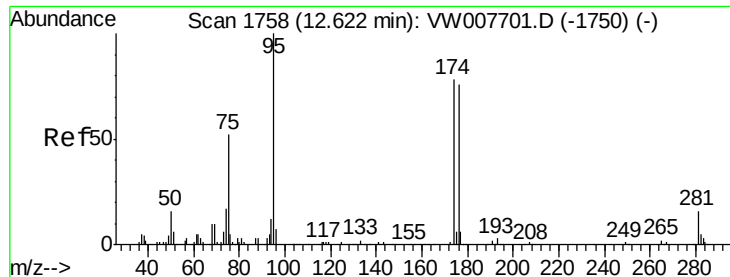
Tgt Ion: 43 Resp: 969
 Ion Ratio Lower Upper
 43 100
 58 29.9 33.2 49.8#



#52
 Toluene
 Concen: 2.608 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW007855.D
 Acq: 22 Dec 2018 20:37

Tgt Ion: 92 Resp: 5005
 Ion Ratio Lower Upper
 92 100
 91 165.2 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 25.781 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007855.D

Acq: 22 Dec 2018 20:37

Instrument :

MSVOA_W

ClientSampleId :

P001-SS012-0006-01RE

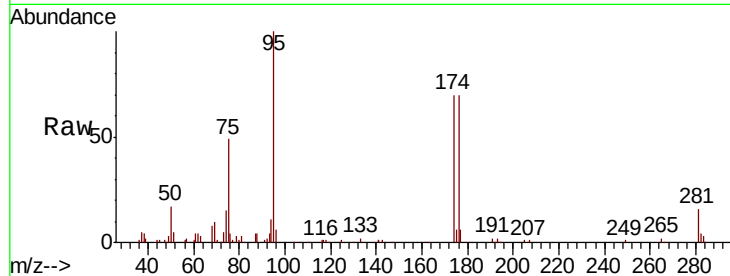
Tgt Ion: 95 Resp: 25437

Ion Ratio Lower Upper

95 100

174 72.3 0.0 152.2

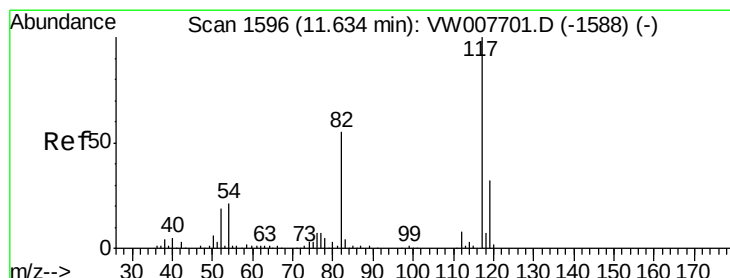
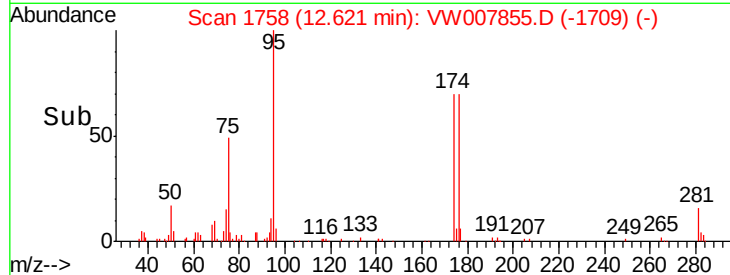
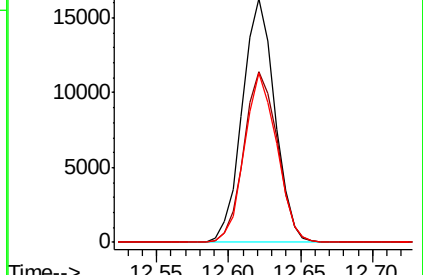
176 69.4 0.0 146.8



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: VW007855.D

Acq: 22 Dec 2018 20:37

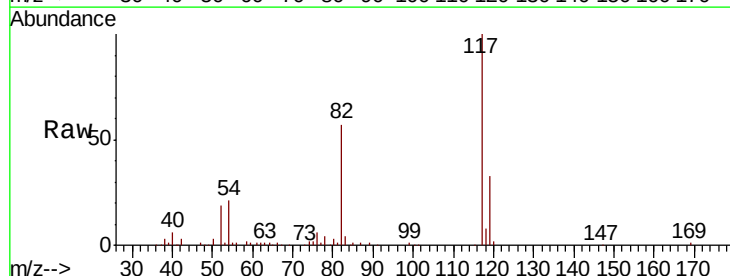
Tgt Ion: 117 Resp: 68673

Ion Ratio Lower Upper

117 100

82 57.2 44.3 66.5

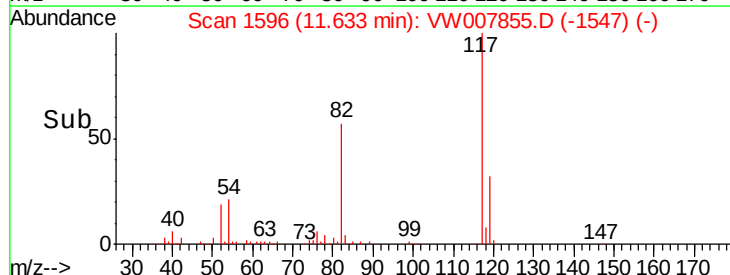
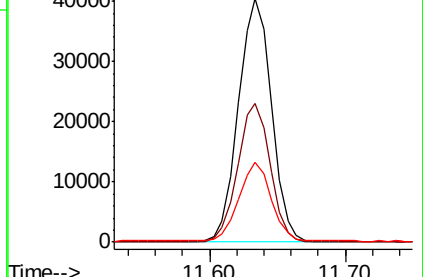
119 32.1 25.7 38.5

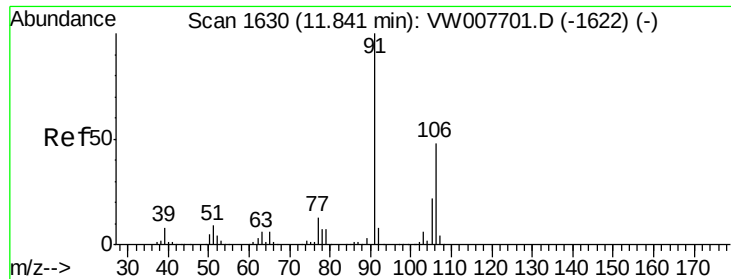


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

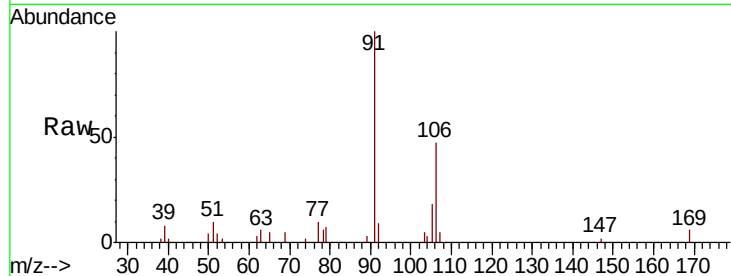




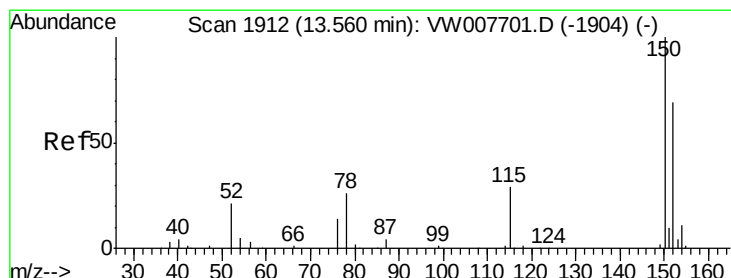
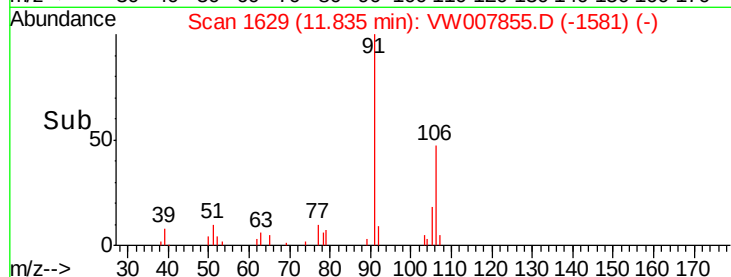
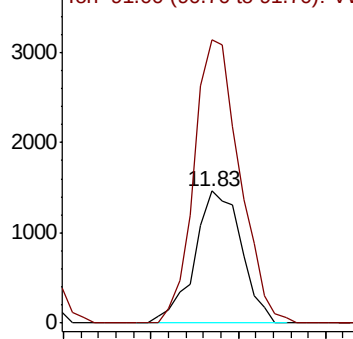
#68
m/p-Xylenes
Concen: 2.745 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007855.D
Acq: 22 Dec 2018 20:37

Instrument :
MSVOA_W
ClientSampleId :
P001-SS012-0006-01RE

Tgt Ion:106 Resp: 2716
Ion Ratio Lower Upper
106 100
91 209.6 165.2 247.8

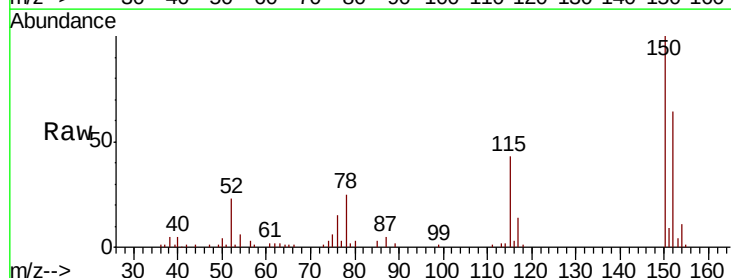


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

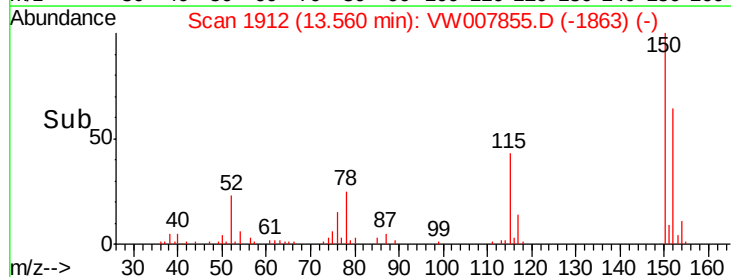
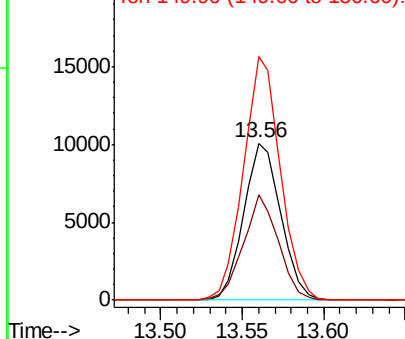


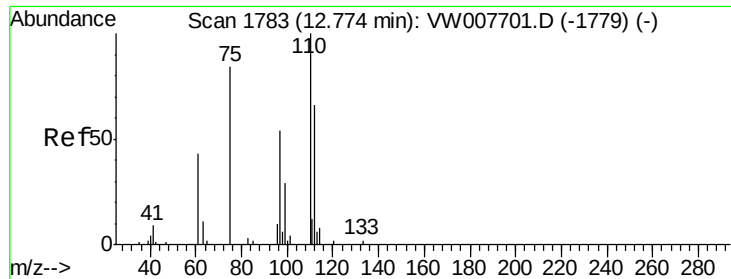
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007855.D
Acq: 22 Dec 2018 20:37

Tgt Ion:152 Resp: 15875
Ion Ratio Lower Upper
152 100
115 63.5 31.8 95.4
150 154.6 0.0 350.8



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: 103.554 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007855.D

Acq: 22 Dec 2018 20:37

Instrument :

MSVOA_W

ClientSampleId :

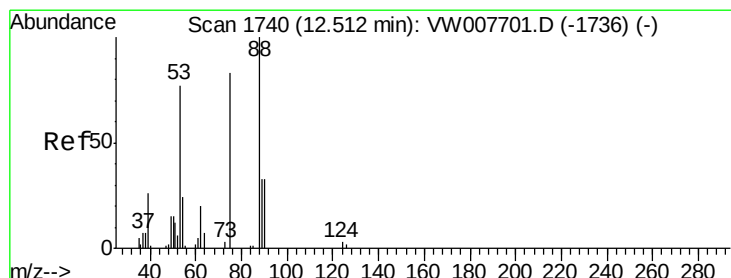
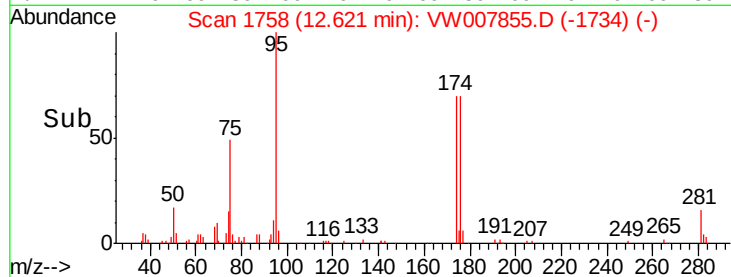
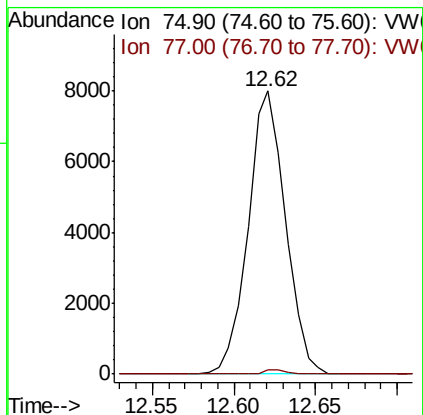
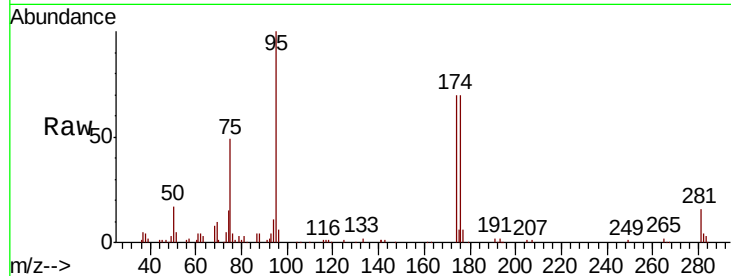
P001-SS012-0006-01RE

Tgt Ion: 75 Resp: 12706

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 217.368 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007855.D

Acq: 22 Dec 2018 20:37

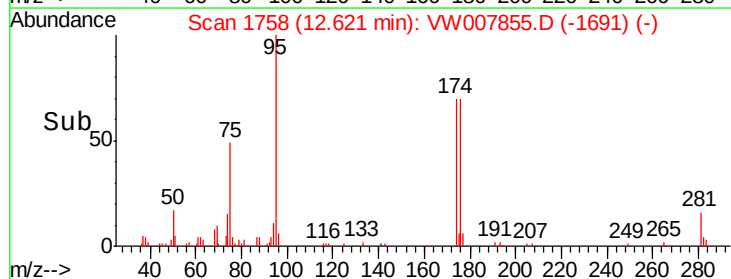
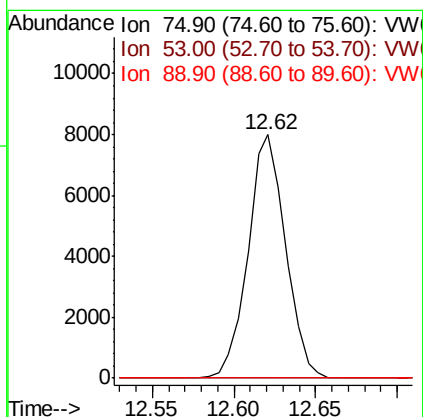
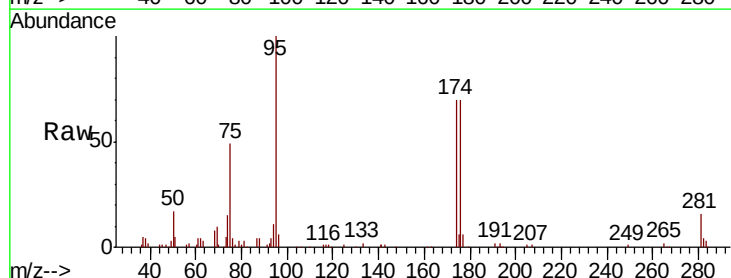
Tgt Ion: 75 Resp: 12706

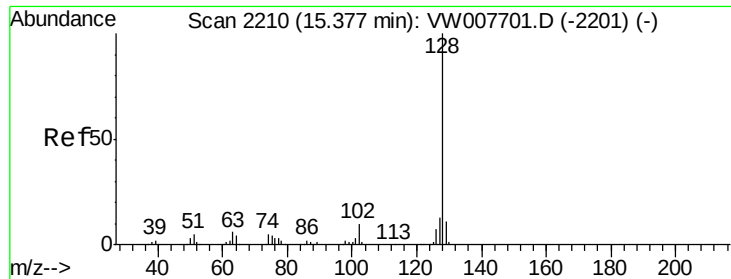
Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#

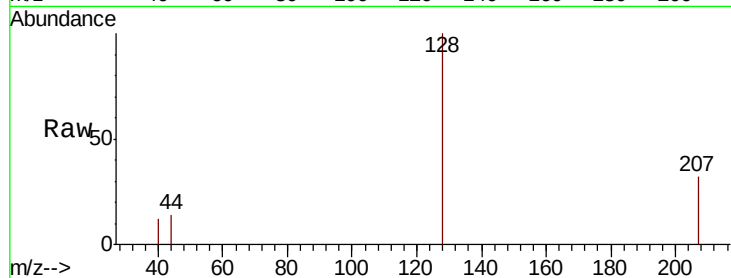




#95
Naphthalene
Concen: 1.194 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007855.D
Acq: 22 Dec 2018 20:37

Instrument :
MSVOA_W
ClientSampleId :
P001-SS012-0006-01RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.8	13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

