

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007854.D
 Acq On : 22 Dec 2018 20:11
 Operator : SY/AP
 Sample : J6388-16RE
 Misc : 5.92G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS011-1218-01

Quant Time: Dec 23 23:56:41 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	86845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	113384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	40373	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	50679	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	7.88	113	43776	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	10.32	98	155643	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
62) 4-Bromofluorobenzene	12.62	95	48148	37.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.44%	

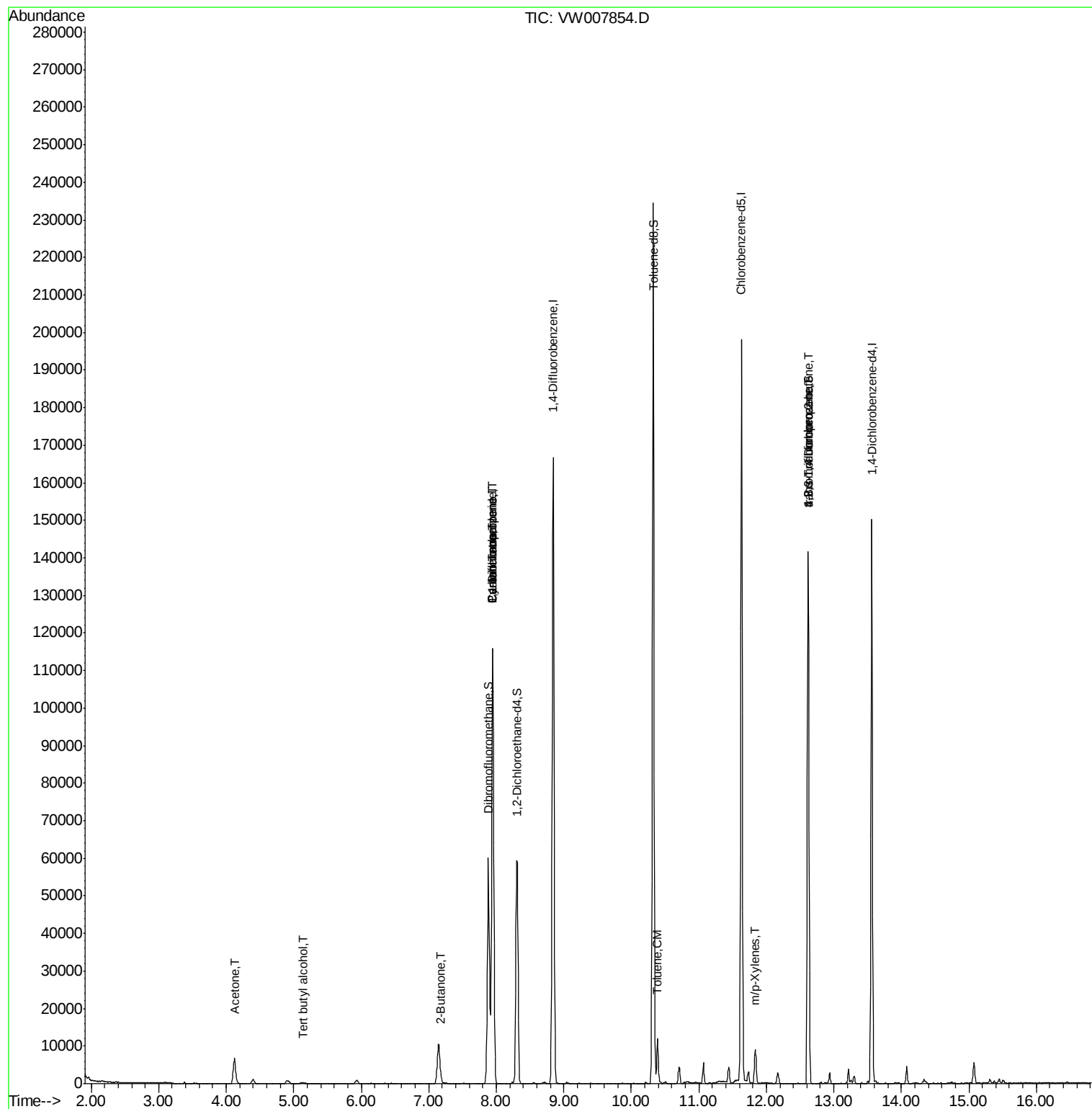
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.15	59	334	5.202	ug/l #	73
16) Acetone	4.12	43	11409	64.007	ug/l	99
20) Methylene Chloride	4.92	84	858	Below Cal	#	66
25) 2-Butanone	7.18	43	1492	7.146	ug/l	100
31) Cyclohexane	7.95	56	1841	1.299	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	6654	4.735	ug/l #	48
38) Carbon Tetrachloride	7.95	117	8474	5.121	ug/l #	15
52) Toluene	10.39	92	5337	2.121	ug/l	100
68) m/p-Xylenes	11.83	106	2975	1.821	ug/l	88
76) 1,2,3-Trichloropropane	12.62	75	24021	76.979	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	24021	161.585	ug/l #	9

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

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QLast Update : Thu Dec 20 06:30:23 2018
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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: VW007854.D

Acq: 22 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

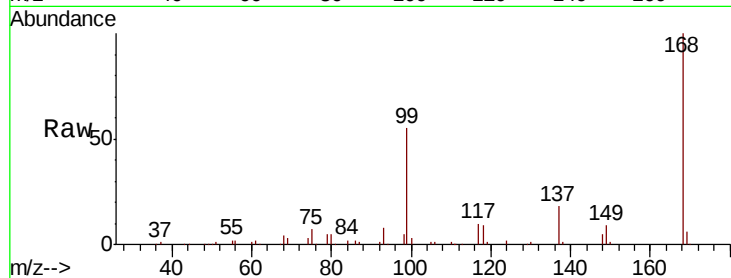
P001-SS011-1218-01

Tgt Ion: 168 Resp: 86845

Ion Ratio Lower Upper

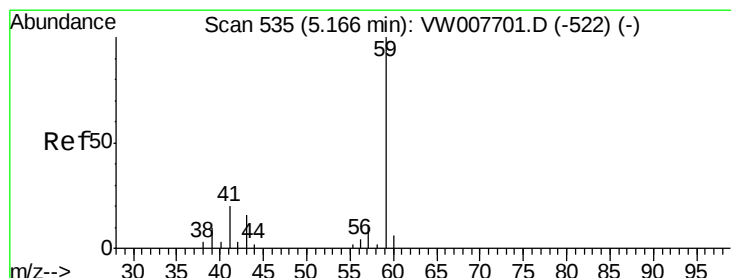
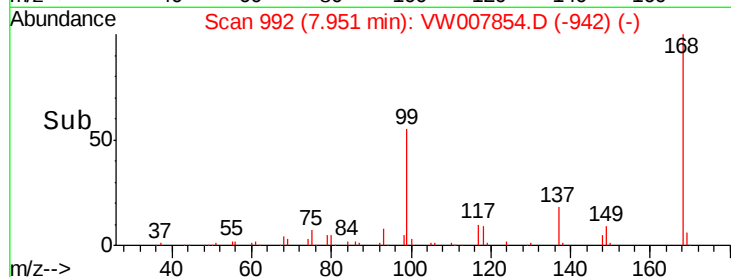
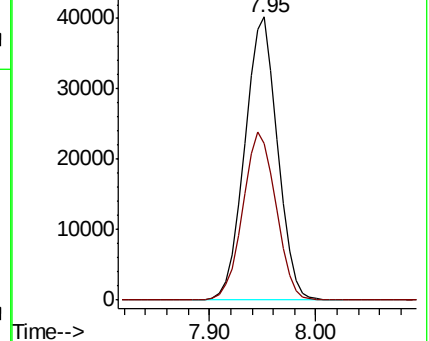
168 100

99 55.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.202 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW007854.D

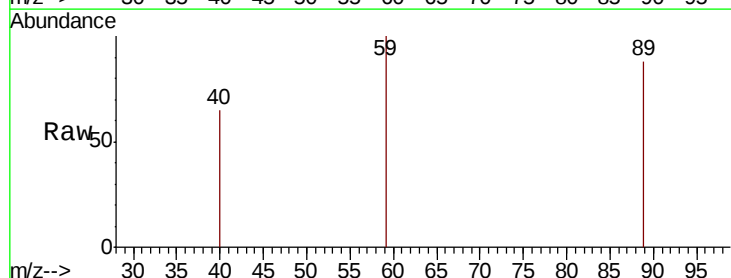
Acq: 22 Dec 2018 20:11

Tgt Ion: 59 Resp: 334

Ion Ratio Lower Upper

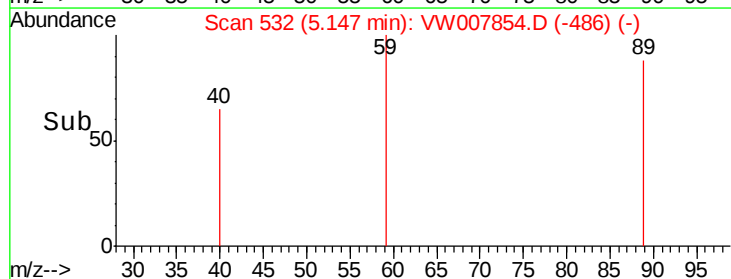
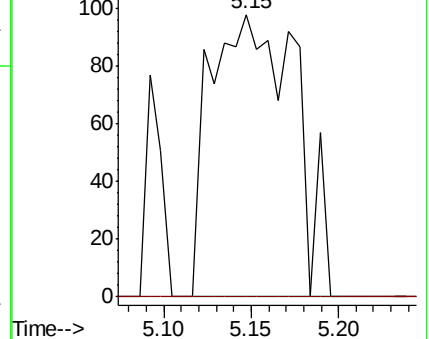
59 100

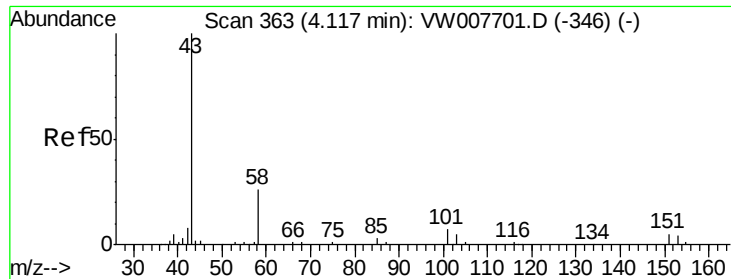
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 64.007 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007854.D

Acq: 22 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

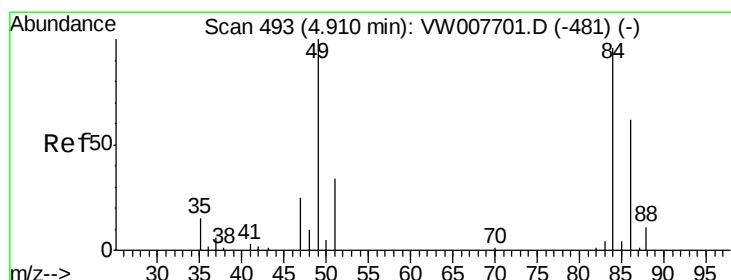
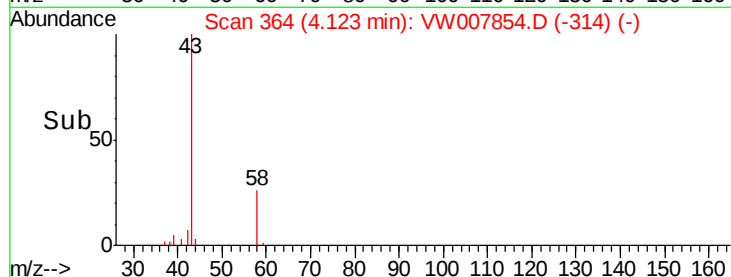
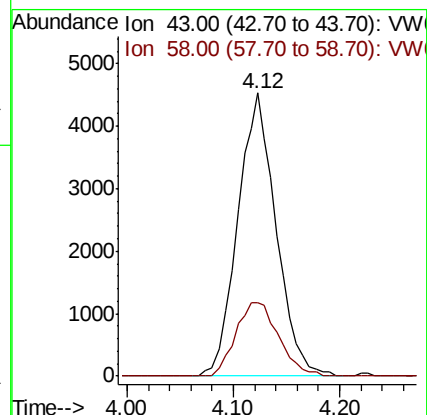
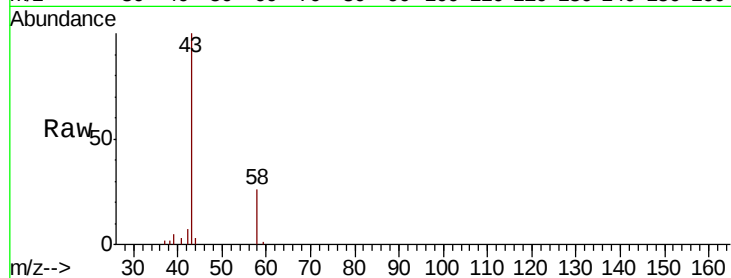
P001-SS011-1218-01

Tgt Ion: 43 Resp: 11409

Ion Ratio Lower Upper

43 100

58 26.1 21.2 31.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007854.D

Acq: 22 Dec 2018 20:11

Tgt Ion: 84 Resp: 858

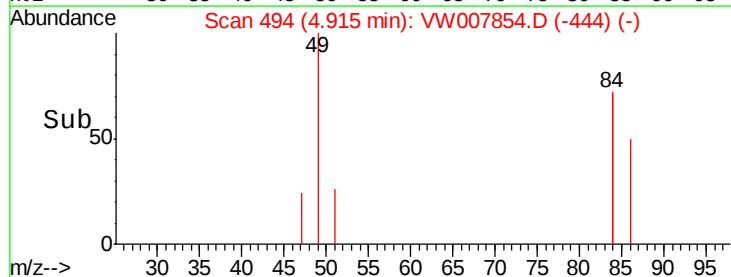
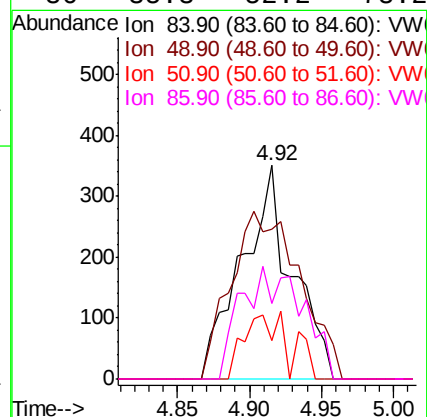
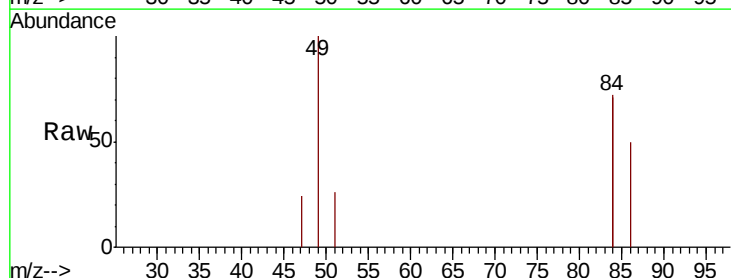
Ion Ratio Lower Upper

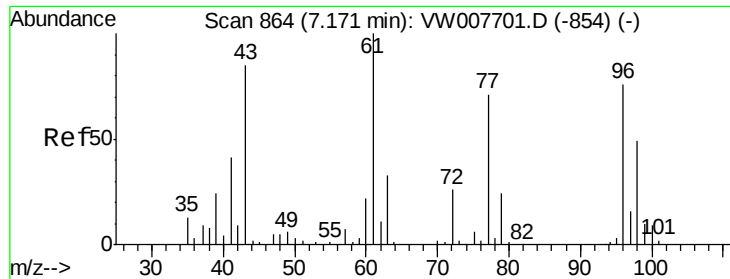
84 100

49 70.1 83.7 125.5#

51 17.9 28.2 42.2#

86 35.3 52.2 78.2#

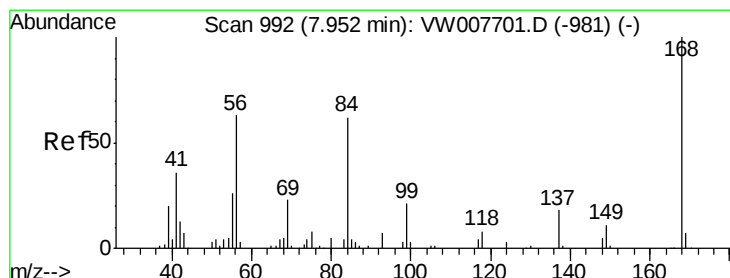
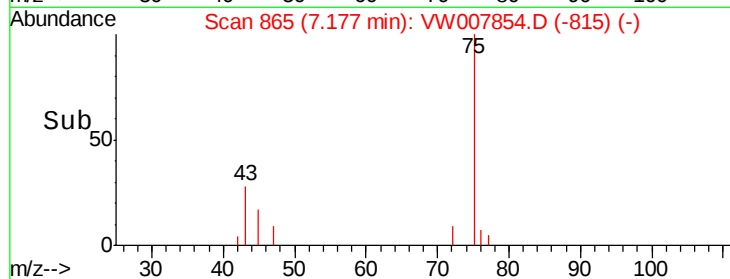
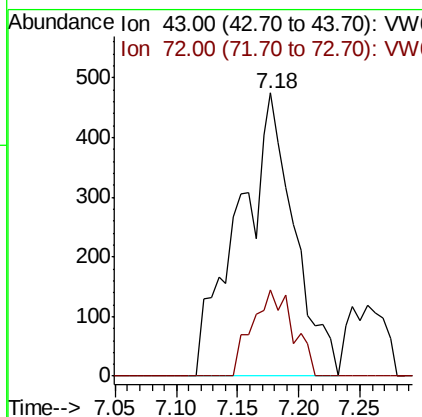
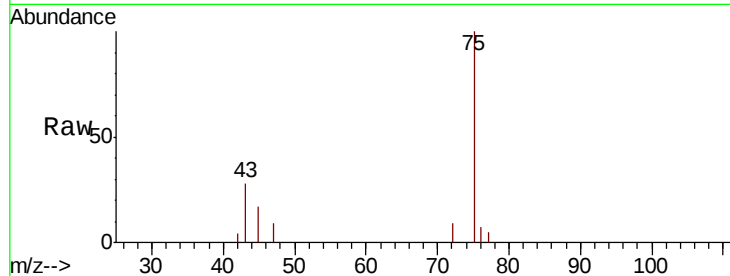




#25
2-Butanone
Concen: 7.146 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007854.D
Acq: 22 Dec 2018 20:11

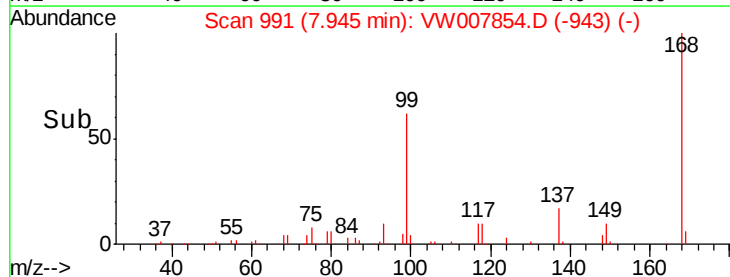
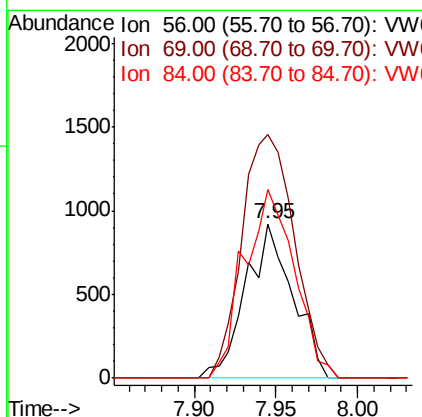
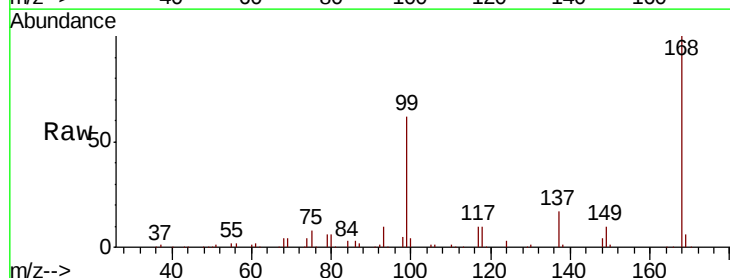
Instrument :
MSVOA_W
ClientSampleId :
P001-SS011-1218-01

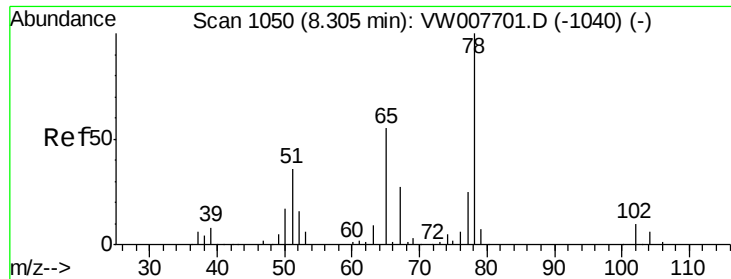
Tgt Ion: 43 Resp: 1492
Ion Ratio Lower Upper
43 100
72 30.6 24.5 36.7



#31
Cyclohexane
Concen: 1.299 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007854.D
Acq: 22 Dec 2018 20:11

Tgt Ion: 56 Resp: 1841
Ion Ratio Lower Upper
56 100
69 157.9 29.7 44.5#
84 122.3 78.9 118.3#

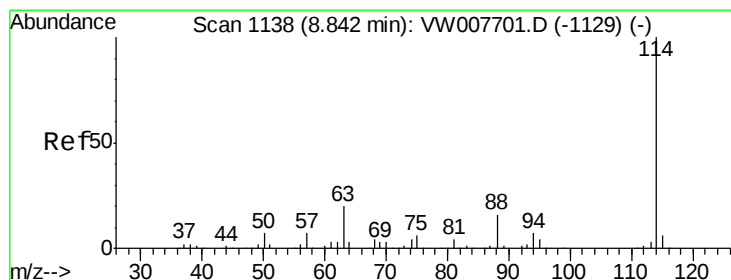
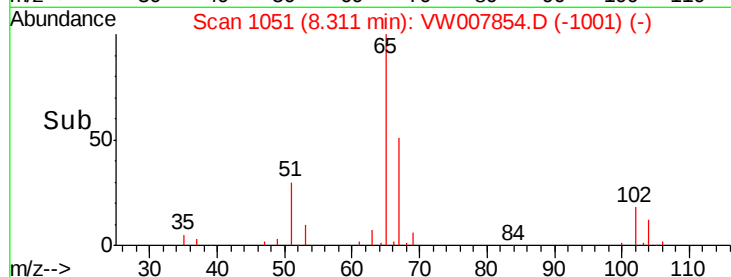
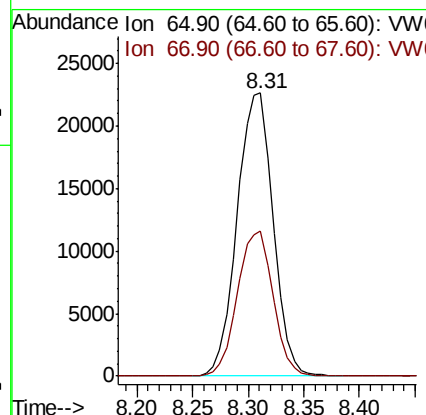
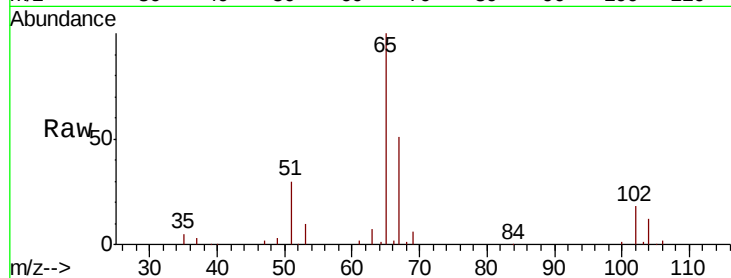




#33
 1,2-Dichloroethane-d4
 Concen: 53.242 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW007854.D
 Acq: 22 Dec 2018 20:11

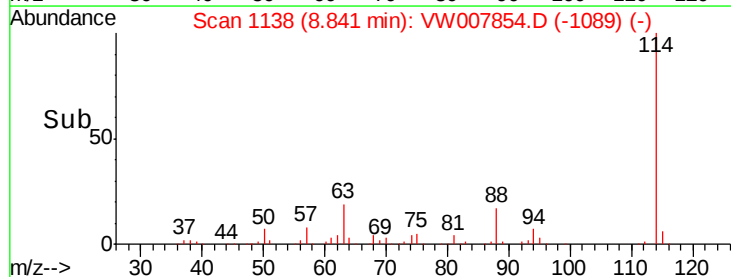
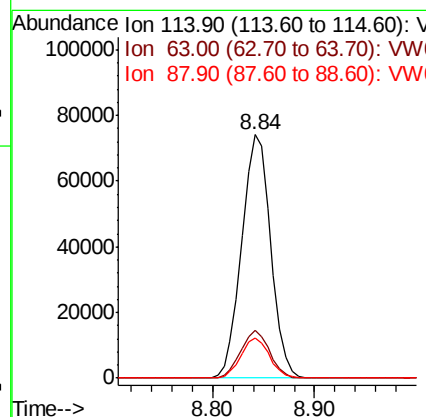
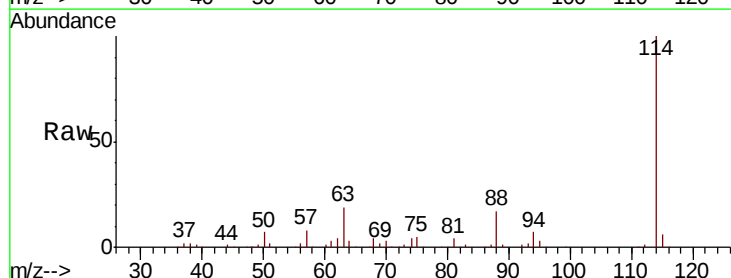
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS011-1218-01

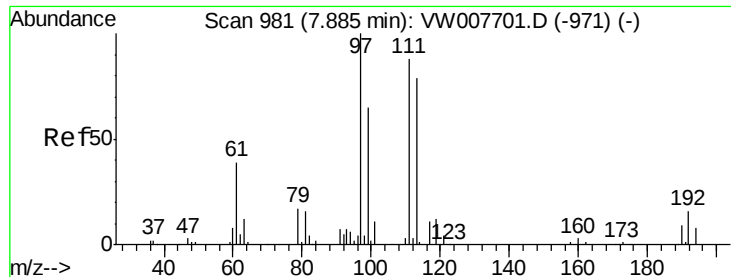
Tgt Ion: 65 Resp: 50679
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007854.D
 Acq: 22 Dec 2018 20:11

Tgt Ion: 114 Resp: 145585
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 16.7 0.0 32.6

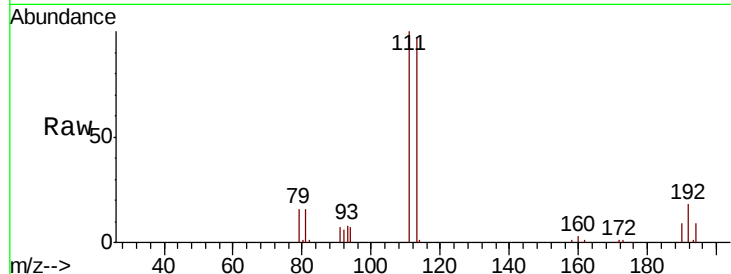




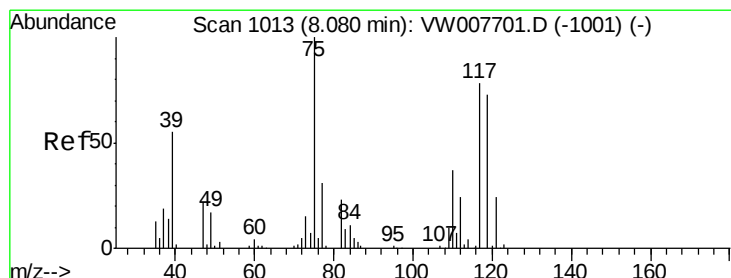
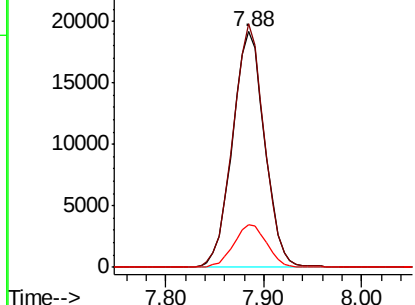
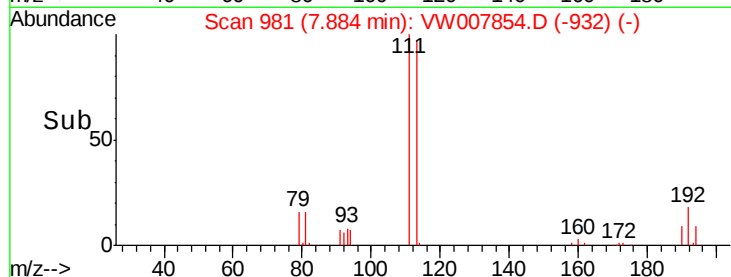
#35
 Dibromofluoromethane
 Concen: 49.289 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007854.D
 Acq: 22 Dec 2018 20:11

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS011-1218-01

Tgt Ion:113 Resp: 43776
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.6 124.0
 192 18.6 15.5 23.3

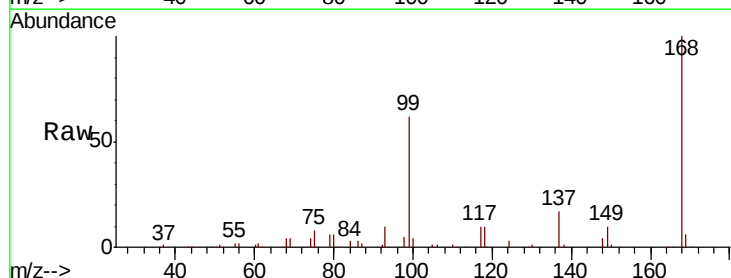


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

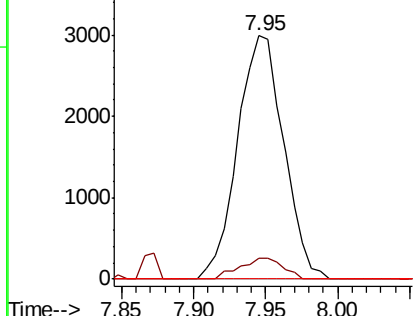
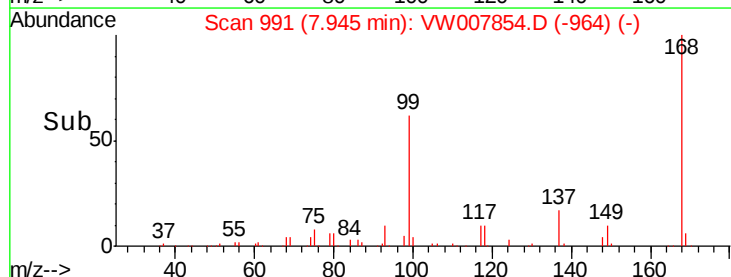


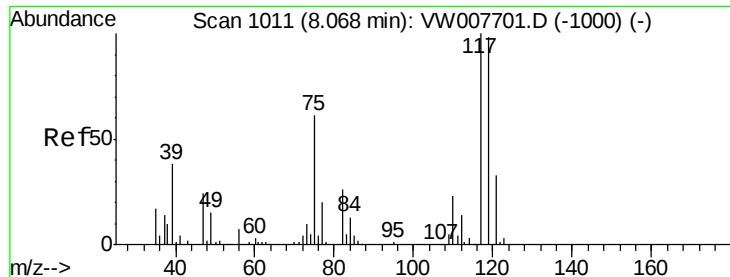
#36
 1,1-Dichloropropene
 Concen: 4.735 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007854.D
 Acq: 22 Dec 2018 20:11

Tgt Ion: 75 Resp: 6654
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.6 55.8#
 77 0.0 25.0 37.4#



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: 5.121 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007854.D

Acq: 22 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

P001-SS011-1218-01

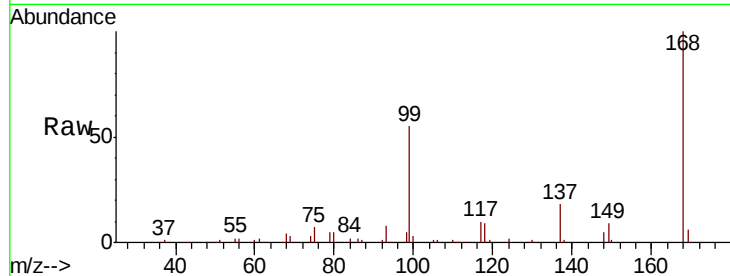
Tgt Ion:117 Resp: 8474

Ion Ratio Lower Upper

117 100

119 5.1 78.2 117.2#

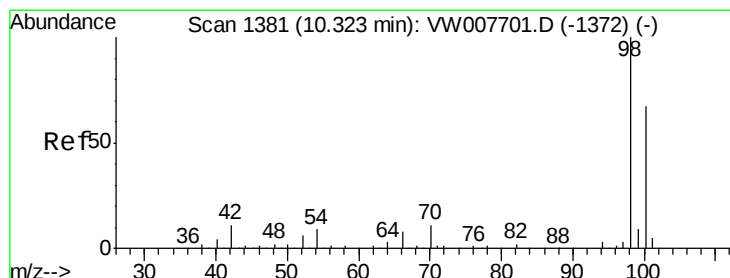
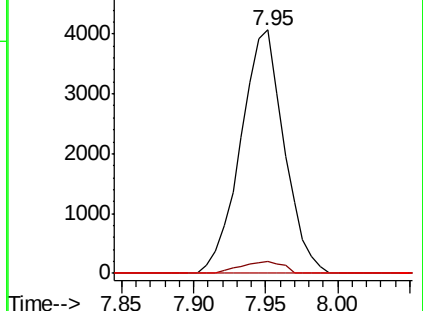
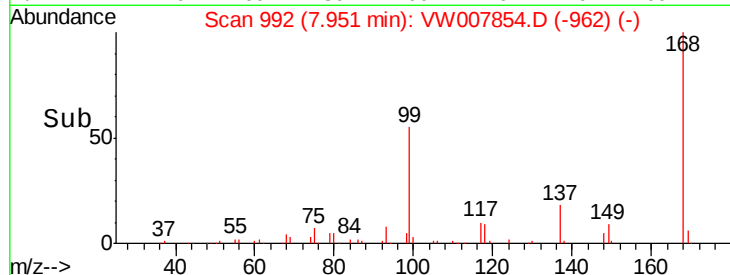
121 0.0 26.1 39.1#



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: 46.486 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007854.D

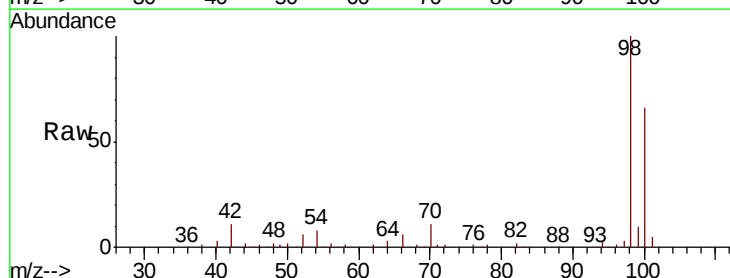
Acq: 22 Dec 2018 20:11

Tgt Ion: 98 Resp: 155643

Ion Ratio Lower Upper

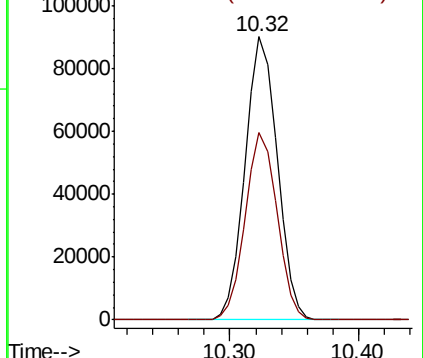
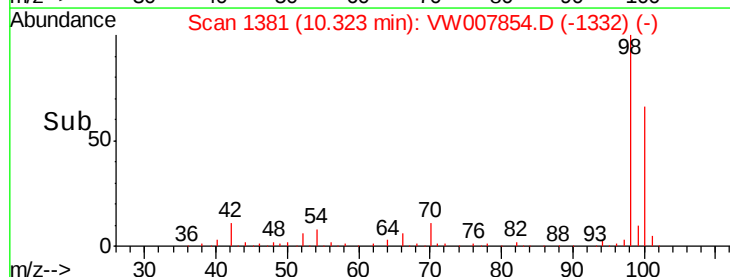
98 100

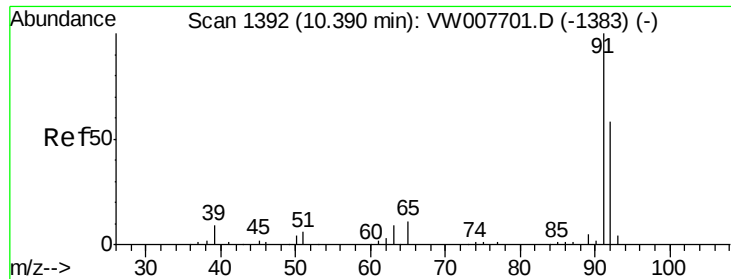
100 65.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.121 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007854.D

Acq: 22 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

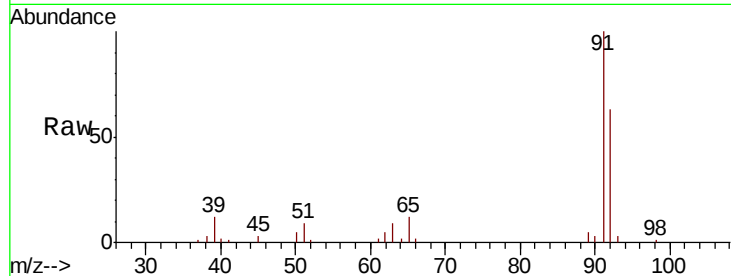
P001-SS011-1218-01

Tgt Ion: 92 Resp: 5337

Ion Ratio Lower Upper

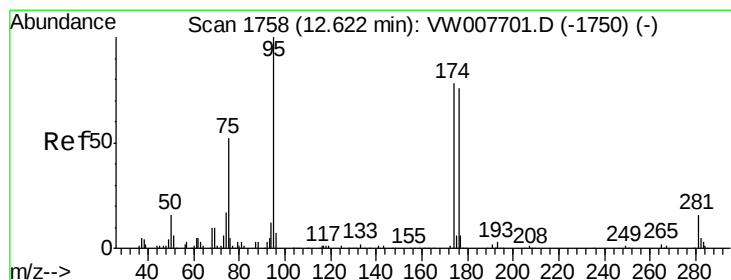
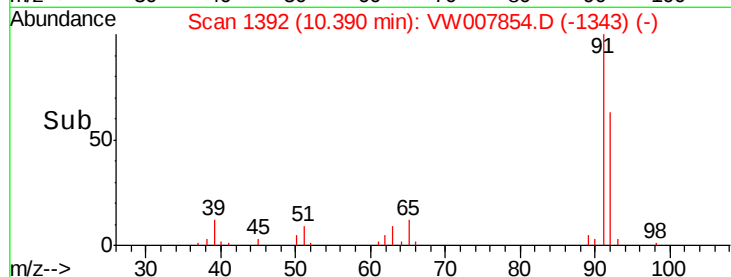
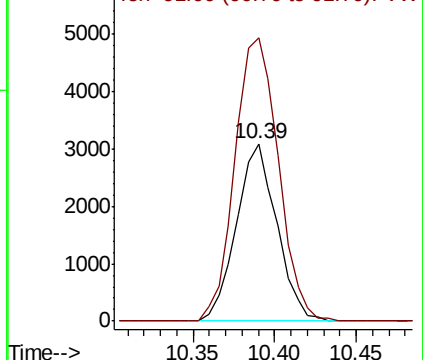
92 100

91 171.9 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 37.224 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007854.D

Acq: 22 Dec 2018 20:11

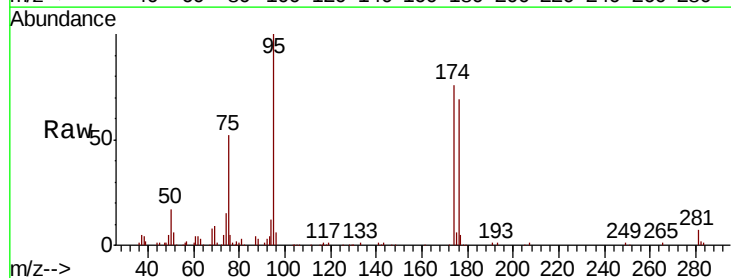
Tgt Ion: 95 Resp: 48148

Ion Ratio Lower Upper

95 100

174 74.7 0.0 152.2

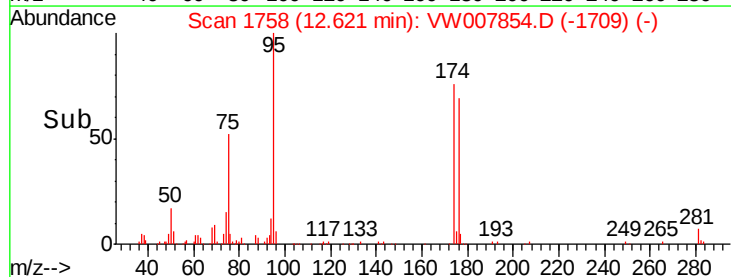
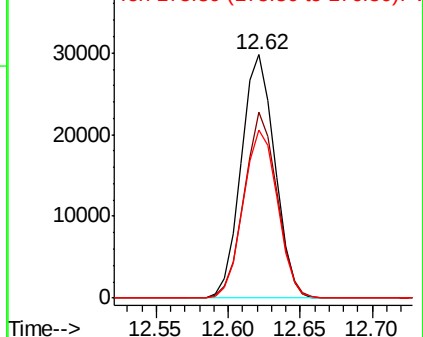
176 70.3 0.0 146.8

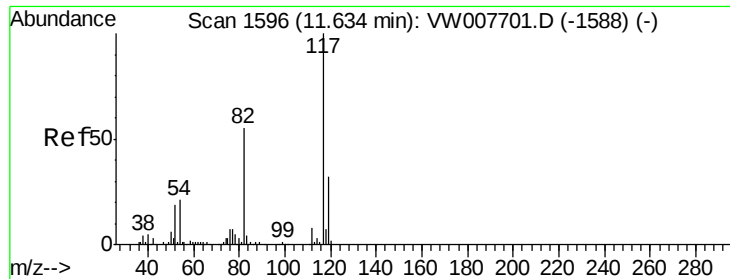


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

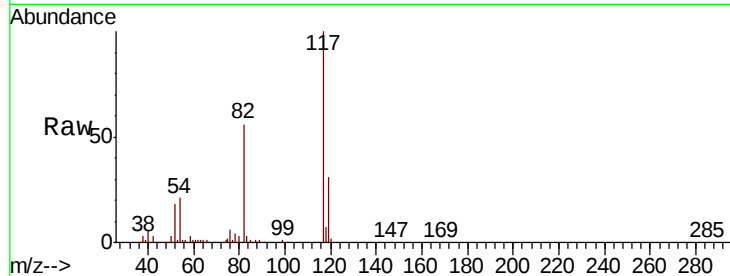




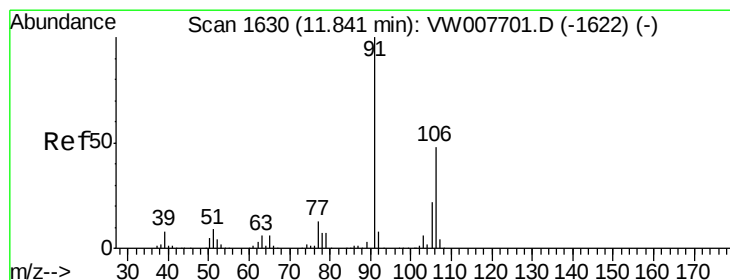
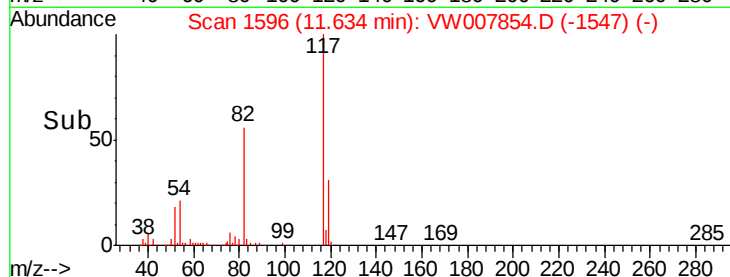
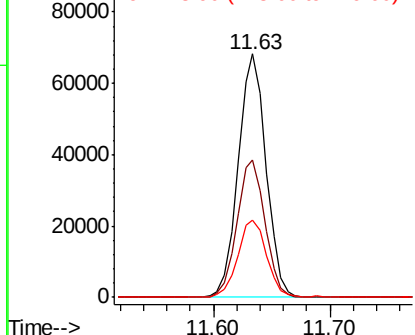
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007854.D
Acq: 22 Dec 2018 20:11

Instrument :
MSVOA_W
ClientSampleId :
P001-SS011-1218-01

Tgt Ion:117 Resp: 113384
Ion Ratio Lower Upper
117 100
82 56.5 44.3 66.5
119 31.2 25.7 38.5

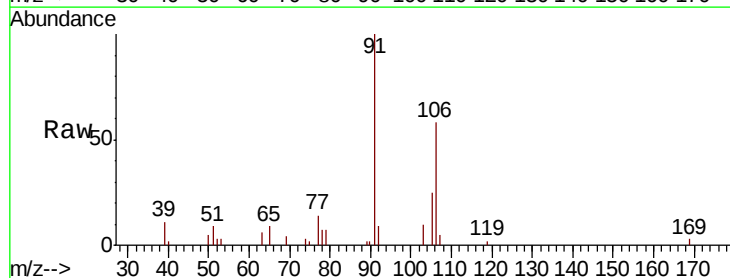


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

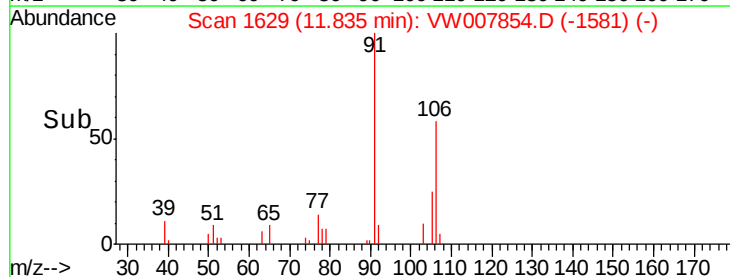
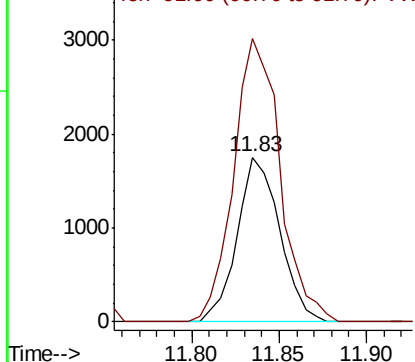


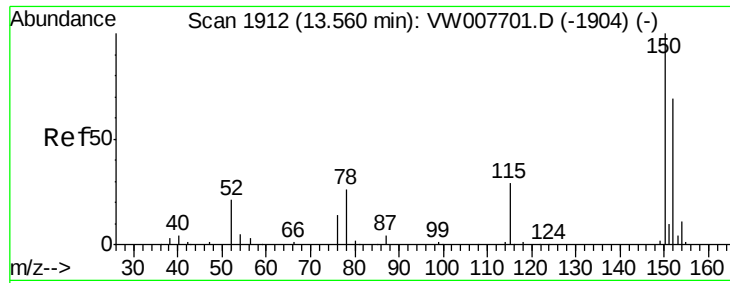
#68
m/p-Xylenes
Concen: 1.821 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007854.D
Acq: 22 Dec 2018 20:11

Tgt Ion:106 Resp: 2975
Ion Ratio Lower Upper
106 100
91 187.9 165.2 247.8



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: VW007854.D

Acq: 22 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

P001-SS011-1218-01

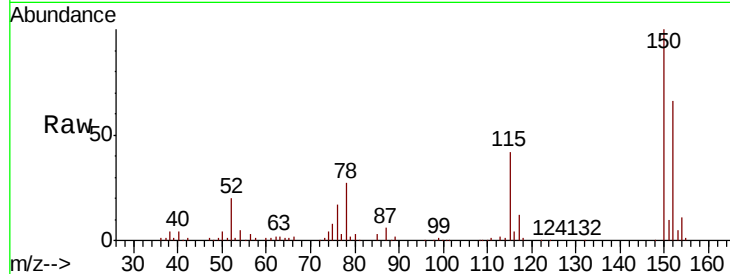
Tgt Ion:152 Resp: 40373

Ion Ratio Lower Upper

152 100

115 61.8 31.8 95.4

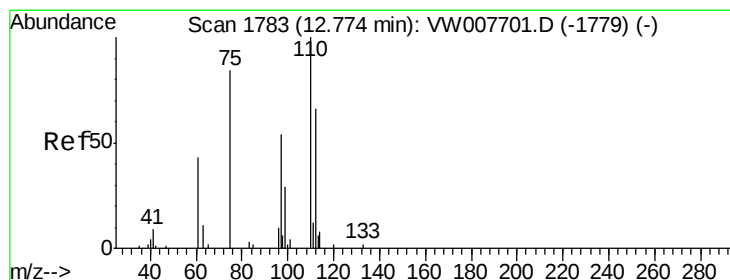
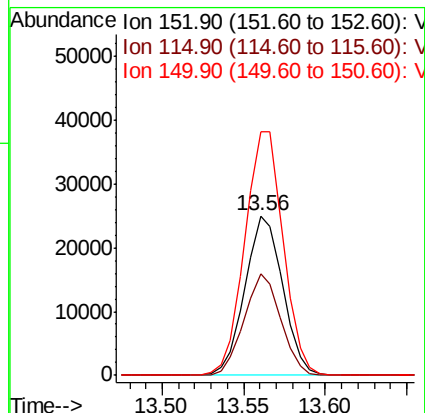
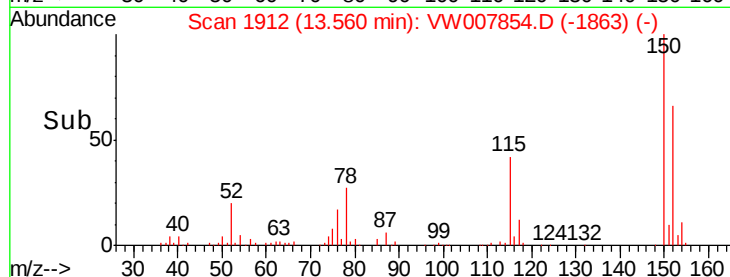
150 155.6 0.0 350.8



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: 76.979 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007854.D

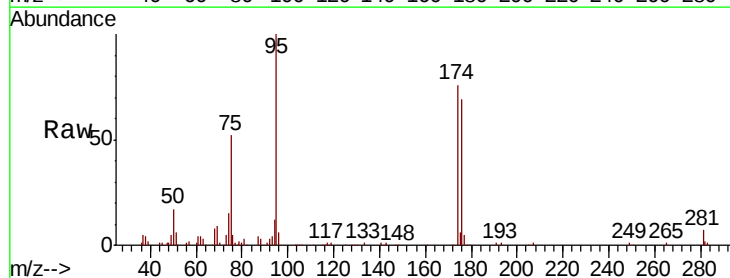
Acq: 22 Dec 2018 20:11

Tgt Ion: 75 Resp: 24021

Ion Ratio Lower Upper

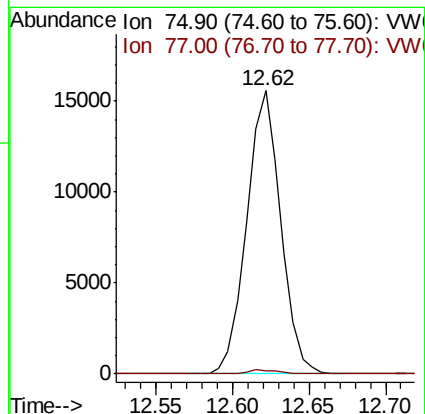
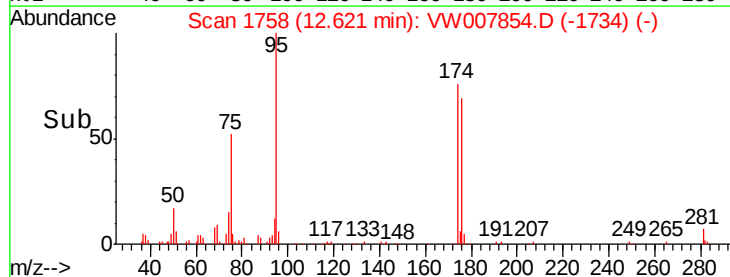
75 100

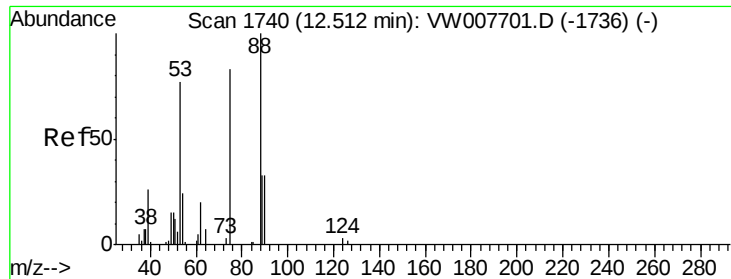
77 1.2 0.0 0.0#



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: 161.585 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW007854.D
 Acq: 22 Dec 2018 20:11

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS011-1218-01

Tgt Ion: 75 Resp: 24021
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.2 58.8#

