

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007856.D
 Acq On : 22 Dec 2018 21:03
 Operator : SY/AP
 Sample : J6389-03RE
 Misc : 5.78G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS012-1218-01

Quant Time: Dec 23 23:56:59 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	55975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	97185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	66977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	18660	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	32815	53.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.98%	
35) Dibromofluoromethane	7.88	113	27374	46.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.34%	
50) Toluene-d8	10.32	98	90633	40.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.10%	
62) 4-Bromofluorobenzene	12.62	95	24786	28.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.42%	

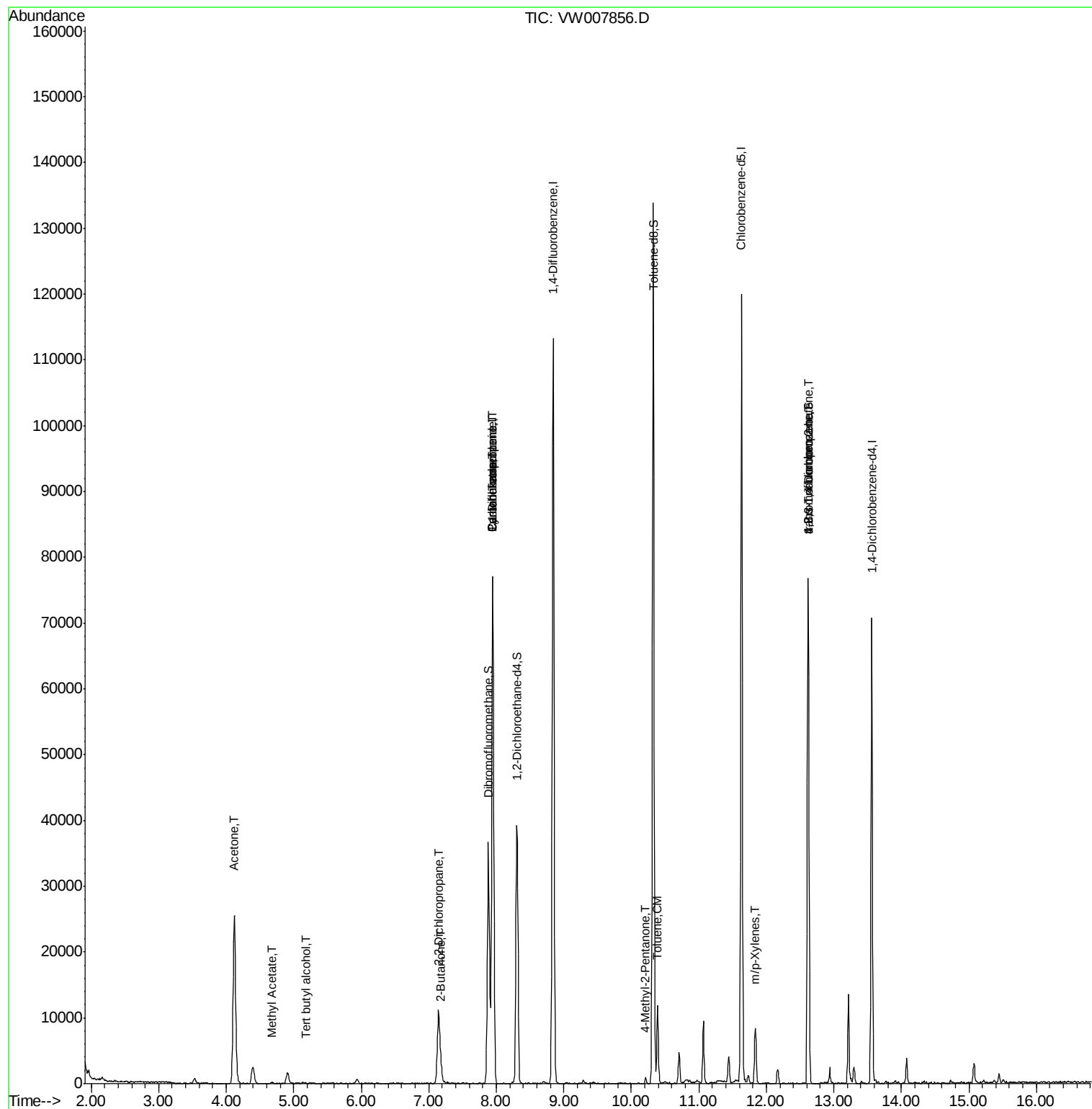
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	157	3.794	ug/l #	73
16) Acetone	4.12	43	44181	384.564	ug/l	95
18) Methyl Acetate	4.68	43	371	1.358	ug/l #	46
20) Methylene Chloride	4.90	84	1268	Below Cal	#	86
25) 2-Butanone	7.18	43	3698	27.481	ug/l	90
26) 2,2-Dichloropropane	7.15	77	743	1.018	ug/l #	53
31) Cyclohexane	7.95	56	1156	1.266	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	4415	4.707	ug/l #	51
38) Carbon Tetrachloride	7.95	117	5938	5.375	ug/l #	14
51) 4-Methyl-2-Pentanone	10.22	43	586	1.912	ug/l	89
52) Toluene	10.39	92	5389	3.209	ug/l	99
68) m/p-Xylenes	11.83	106	2659	2.755	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	12420	86.116	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	12420	180.763	ug/l #	9

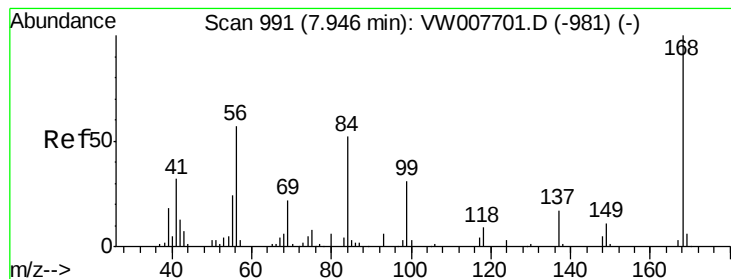
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007856.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_W

ClientSampleId :

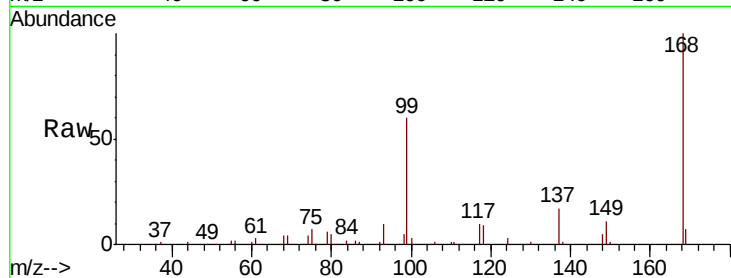
P001-SS012-1218-01

Tgt Ion:168 Resp: 55975

Ion Ratio Lower Upper

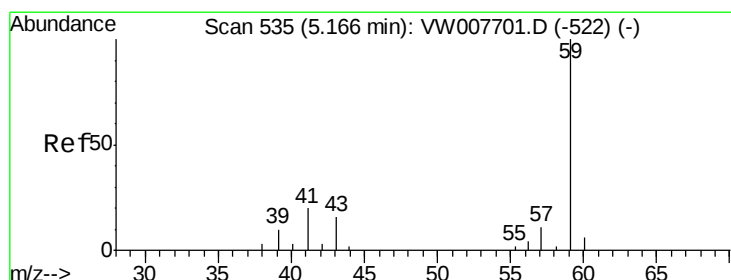
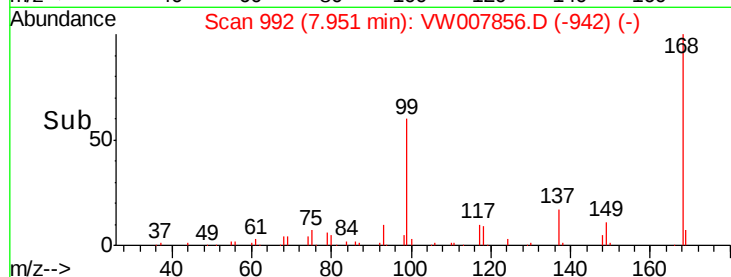
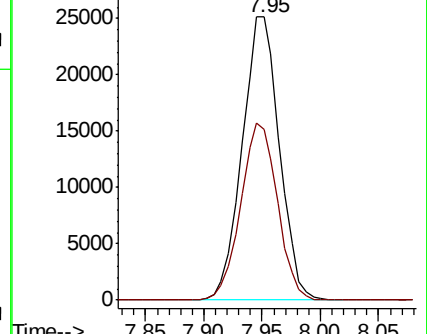
168 100

99 60.3 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: 3.794 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW007856.D

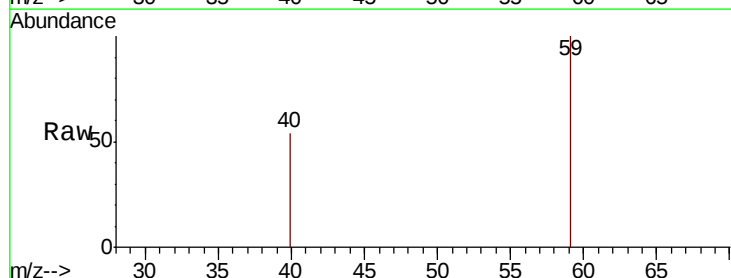
Acq: 22 Dec 2018 21:03

Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

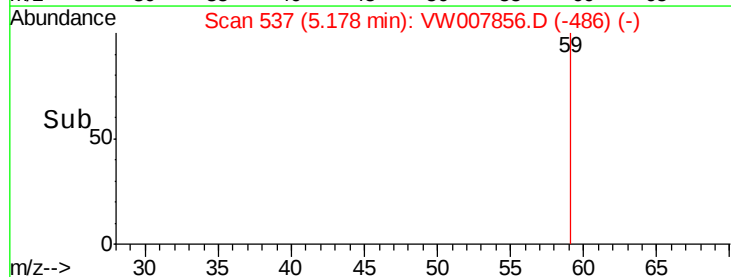
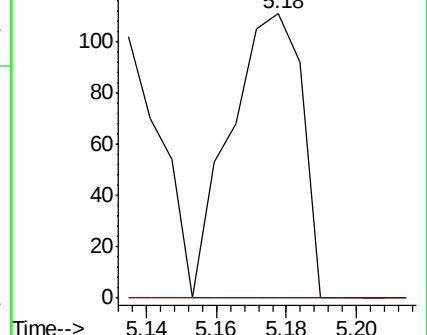
59 100

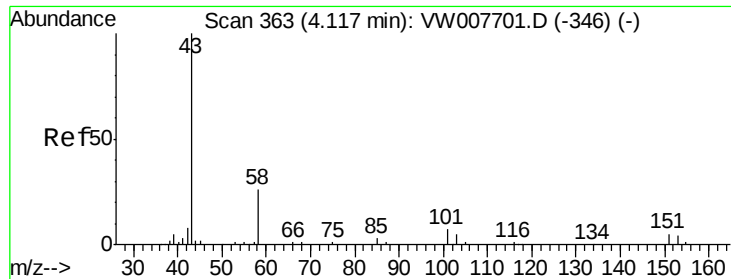
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 384.564 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007856.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_W

ClientSampleId :

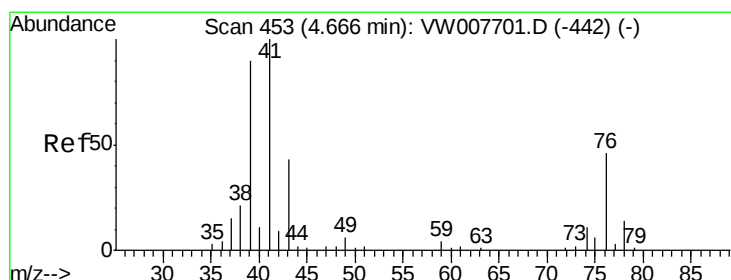
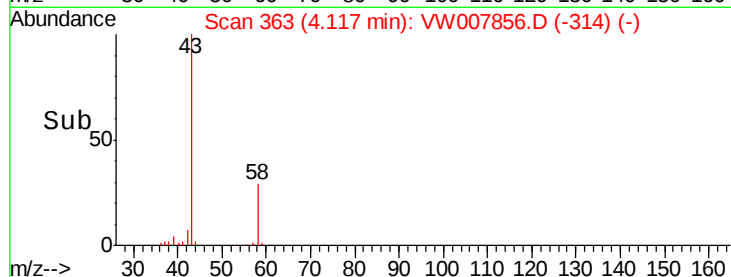
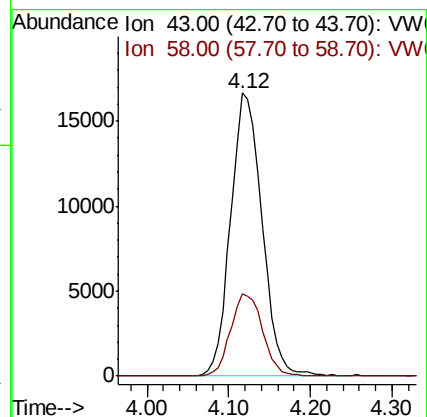
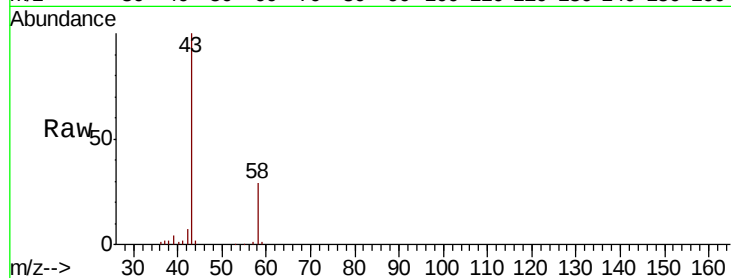
P001-SS012-1218-01

Tgt Ion: 43 Resp: 44181

Ion Ratio Lower Upper

43 100

58 29.0 21.2 31.8



#18

Methyl Acetate

Concen: 1.358 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW007856.D

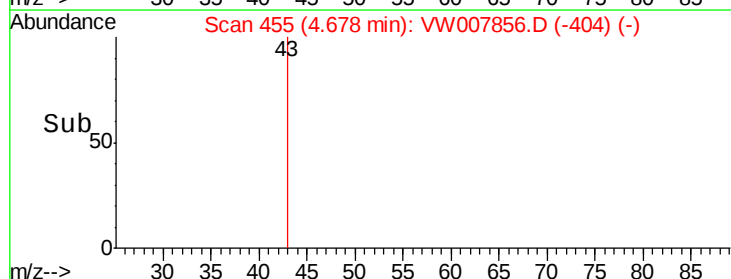
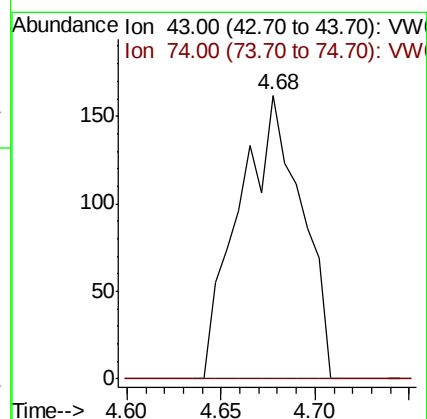
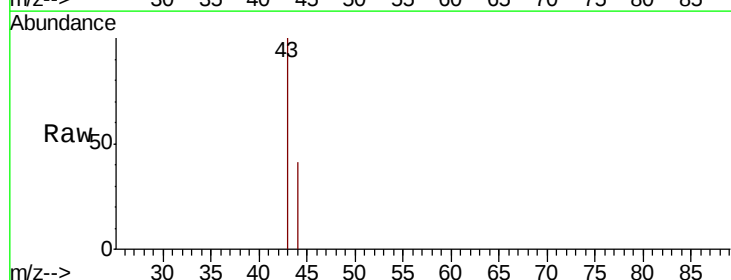
Acq: 22 Dec 2018 21:03

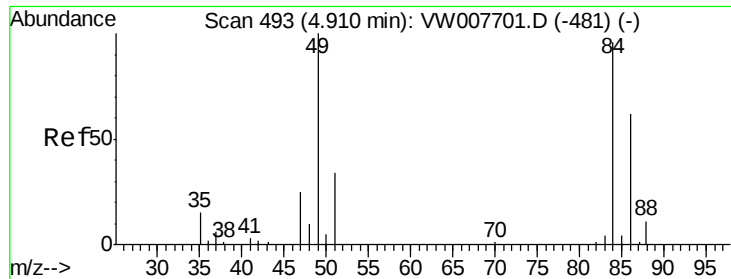
Tgt Ion: 43 Resp: 371

Ion Ratio Lower Upper

43 100

74 0.0 22.7 34.1#

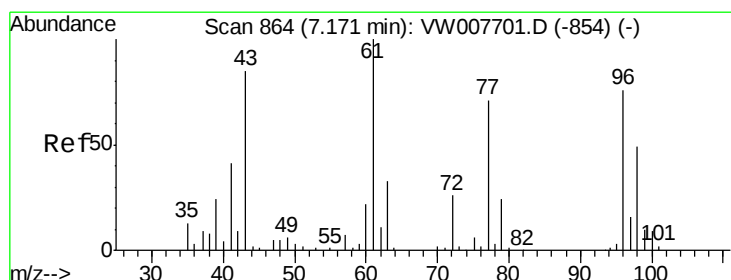
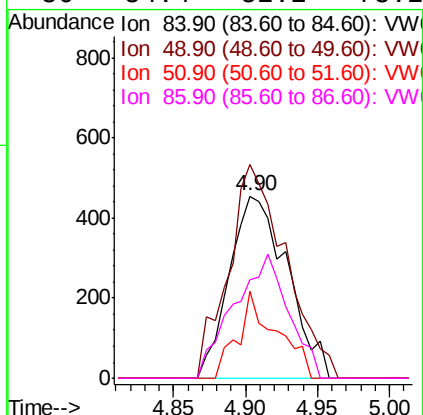
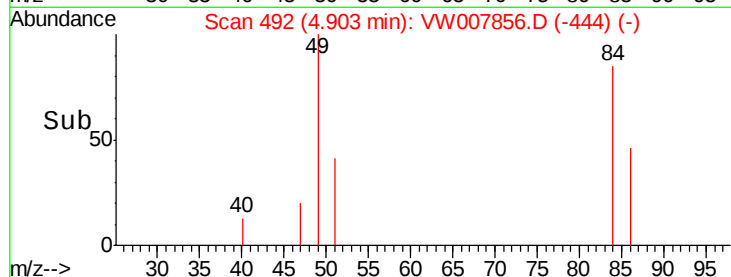
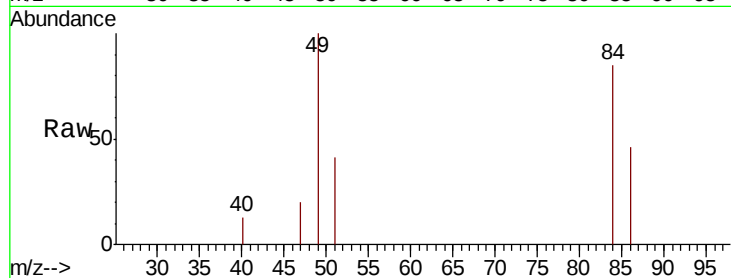




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007856.D
Acq: 22 Dec 2018 21:03

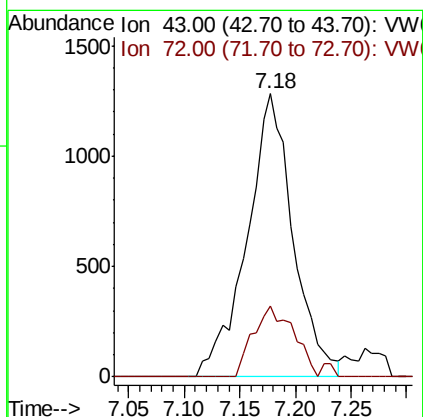
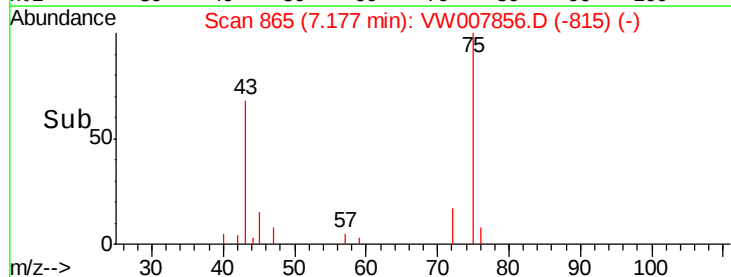
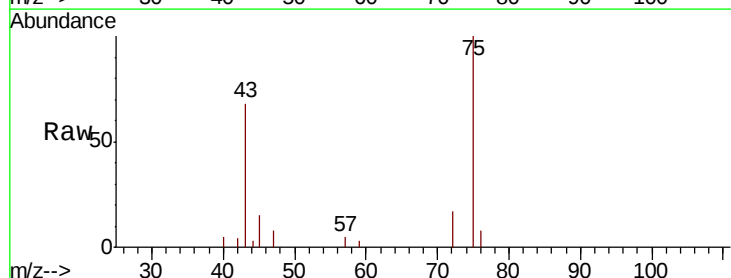
Instrument :
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P001-SS012-1218-01

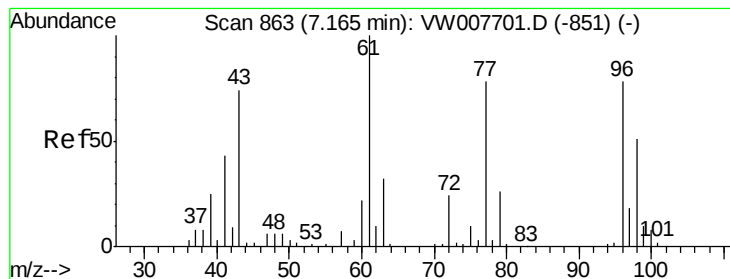
Tgt Ion: 84 Resp: 1268
Ion Ratio Lower Upper
84 100
49 117.4 83.7 125.5
51 48.0 28.2 42.2#
86 54.4 52.2 78.2



#25
2-Butanone
Concen: 27.481 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007856.D
Acq: 22 Dec 2018 21:03

Tgt Ion: 43 Resp: 3698
Ion Ratio Lower Upper
43 100
72 25.1 24.5 36.7





#26

2,2-Dichloropropane

Concen: 1.018 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW007856.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_W

ClientSampleId :

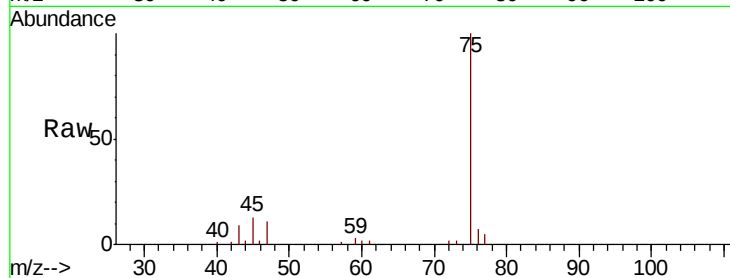
P001-SS012-1218-01

Tgt Ion: 77 Resp: 743

Ion Ratio Lower Upper

77 100

97 0.0 11.3 33.9#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

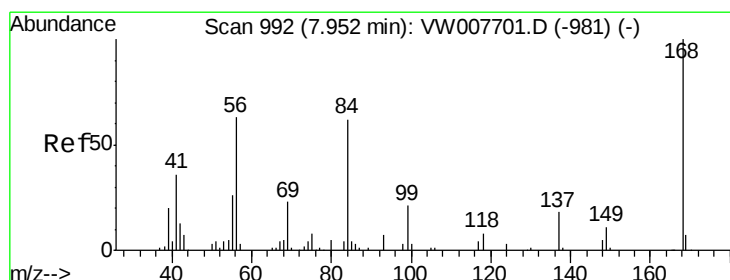
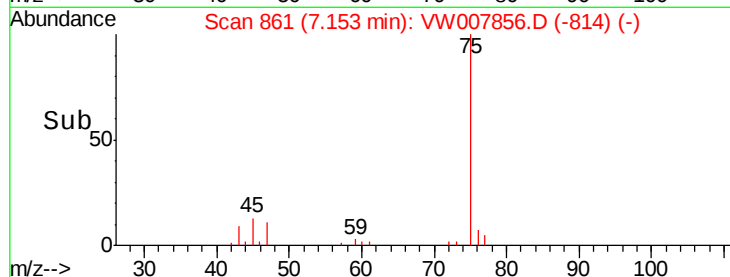
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.266 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007856.D

Acq: 22 Dec 2018 21:03

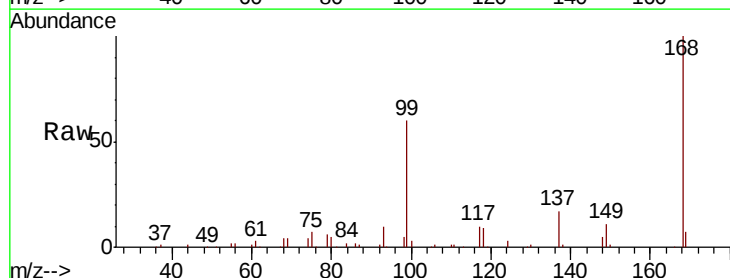
Tgt Ion: 56 Resp: 1156

Ion Ratio Lower Upper

56 100

69 159.9 29.7 44.5#

84 105.1 78.9 118.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

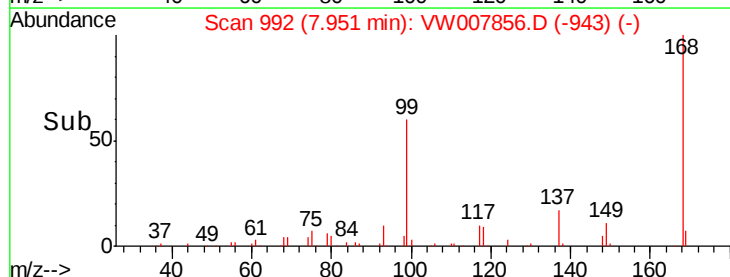
Ion 84.00 (83.70 to 84.70): VW

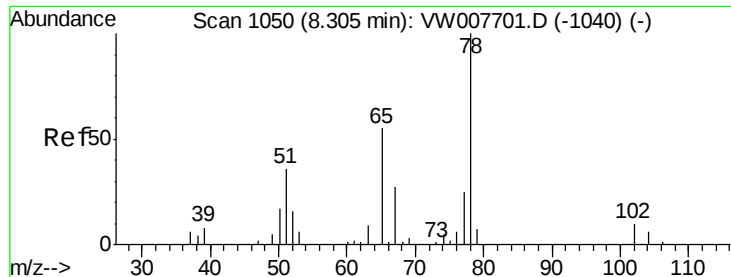
1000

500

0

Time-->

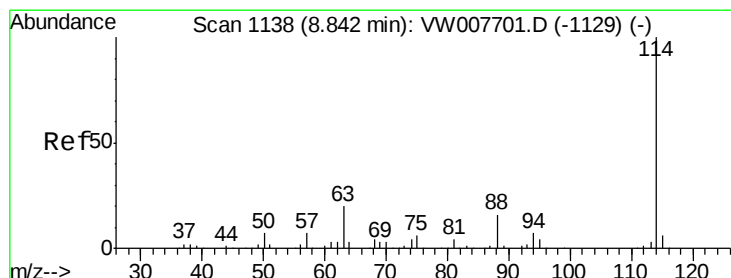
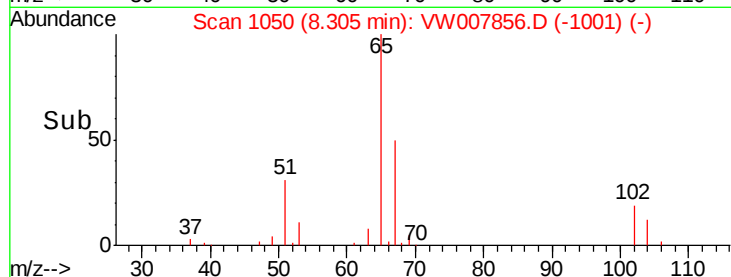
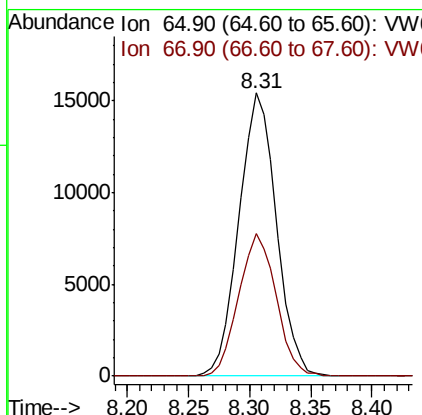
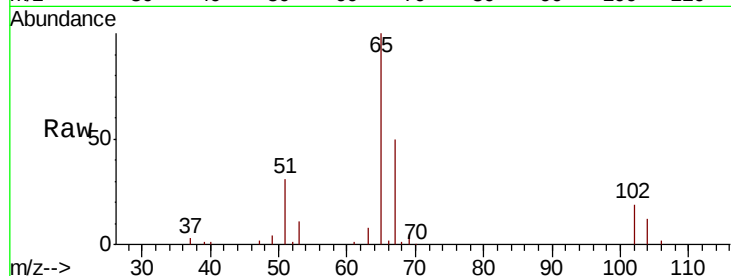




#33
 1,2-Dichloroethane-d4
 Concen: 53.487 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007856.D
 Acq: 22 Dec 2018 21:03

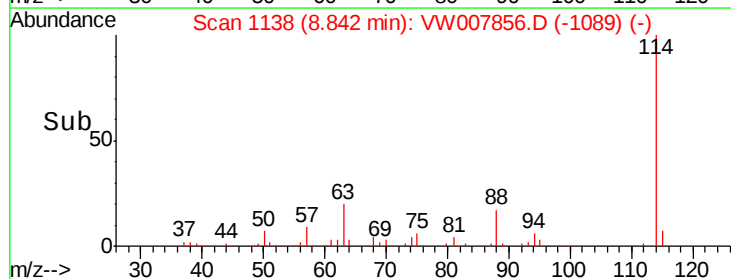
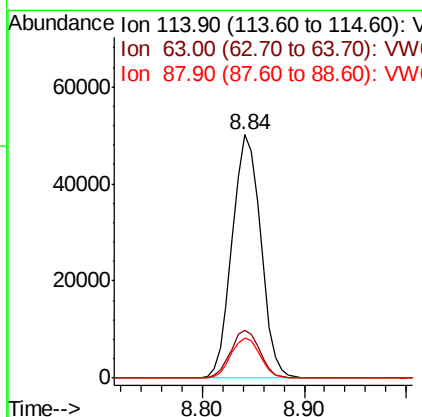
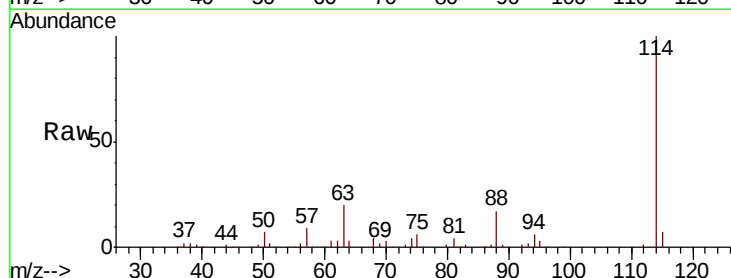
Instrument :
 MSVOA_W
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 P001-SS012-1218-01

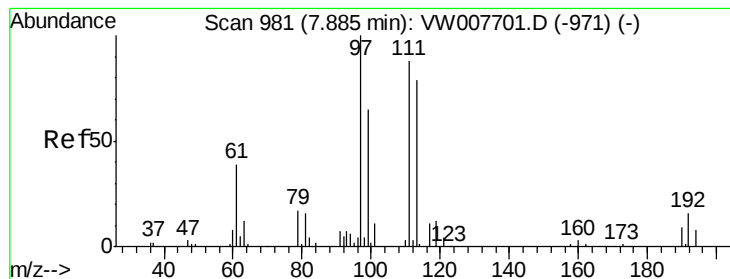
Tgt Ion: 65 Resp: 32815
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007856.D
 Acq: 22 Dec 2018 21:03

Tgt Ion: 114 Resp: 97185
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.171 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007856.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_W

ClientSampleId :

P001-SS012-1218-01

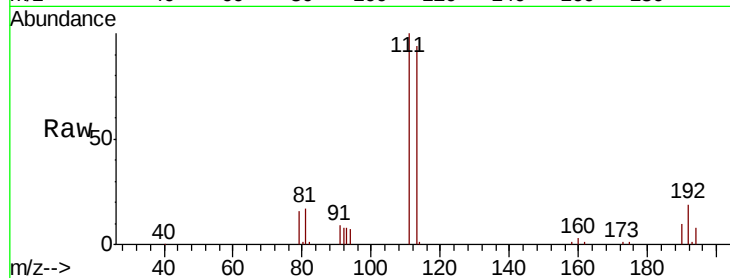
Tgt Ion:113 Resp: 27374

Ion Ratio Lower Upper

113 100

111 104.0 82.6 124.0

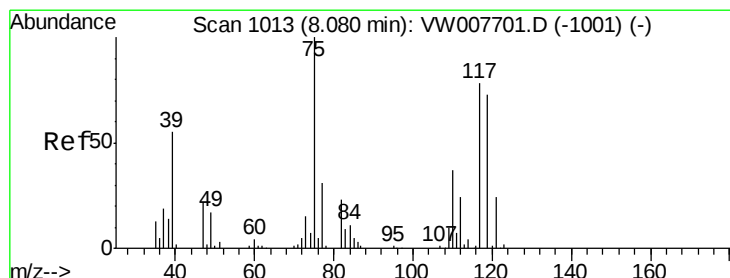
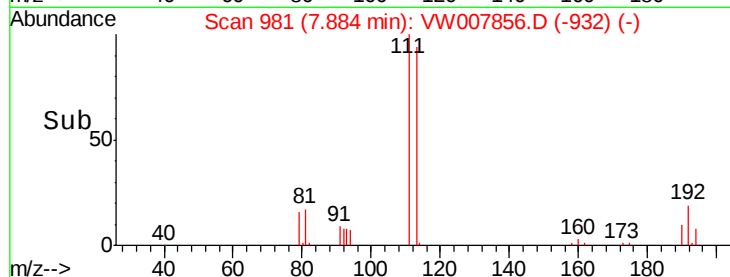
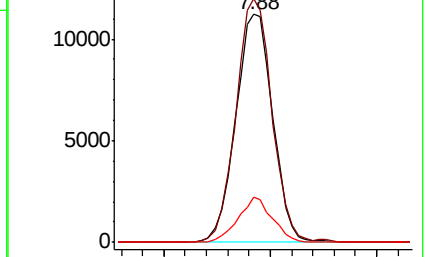
192 18.1 15.5 23.3



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: 4.707 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007856.D

Acq: 22 Dec 2018 21:03

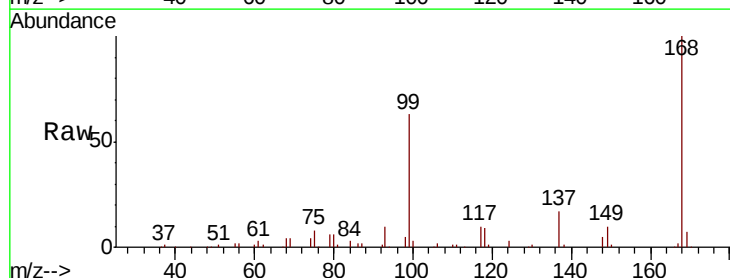
Tgt Ion: 75 Resp: 4415

Ion Ratio Lower Upper

75 100

110 11.4 18.6 55.8#

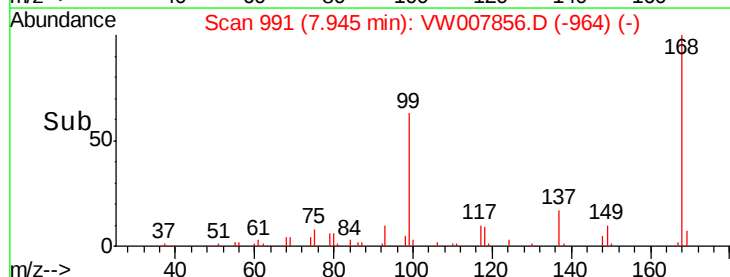
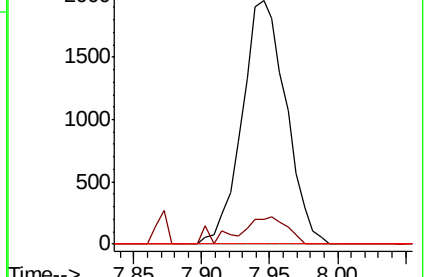
77 0.0 25.0 37.4#

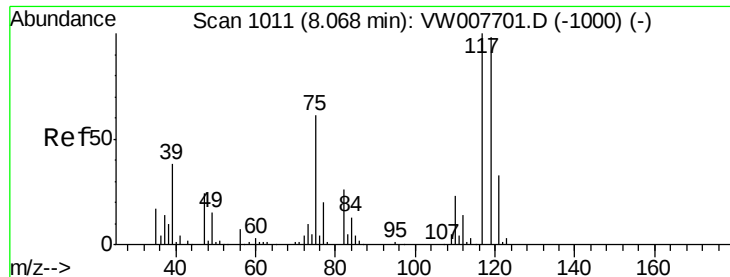


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

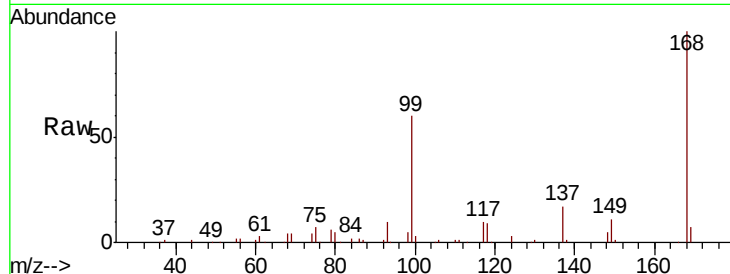




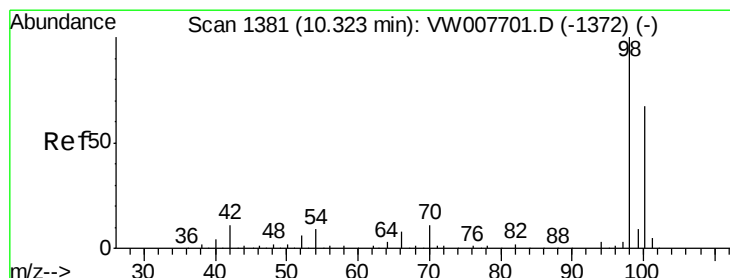
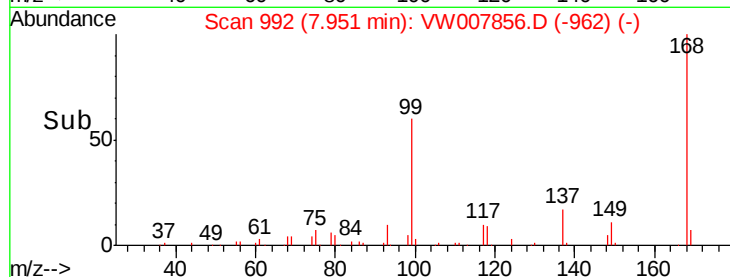
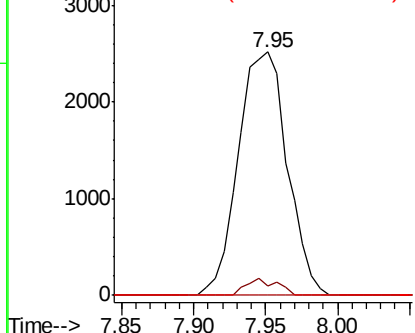
#38
Carbon Tetrachloride
Concen: 5.375 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007856.D
Acq: 22 Dec 2018 21:03

Instrument :
MSVOA_W
ClientSampleId :
P001-SS012-1218-01

Tgt Ion: 117 Resp: 5938
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 26.1 39.1#

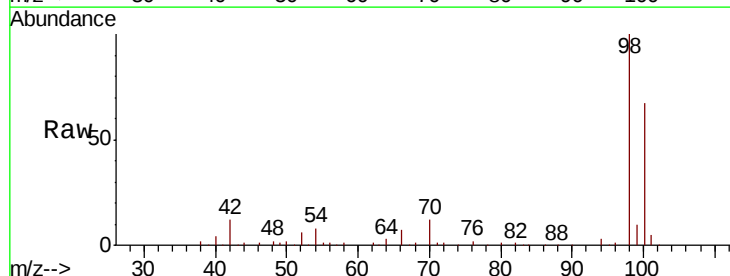


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

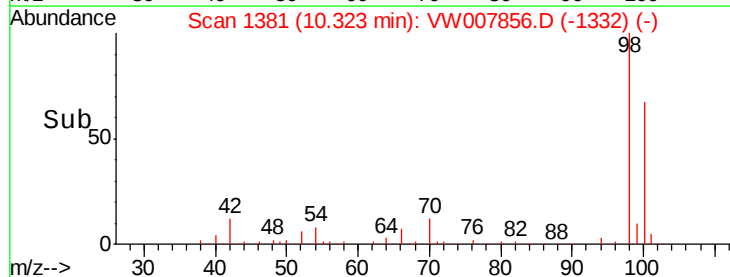
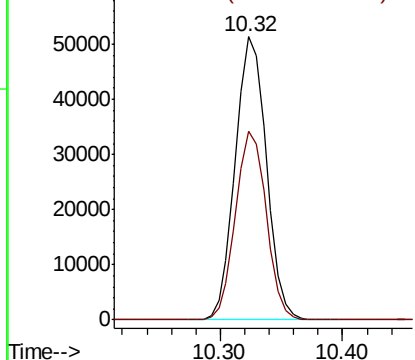


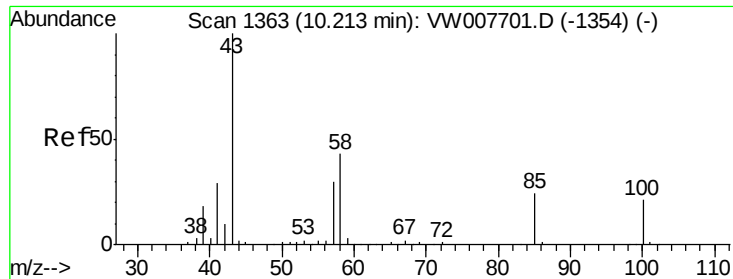
#50
Toluene-d8
Concen: 40.550 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007856.D
Acq: 22 Dec 2018 21:03

Tgt Ion: 98 Resp: 90633
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2



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

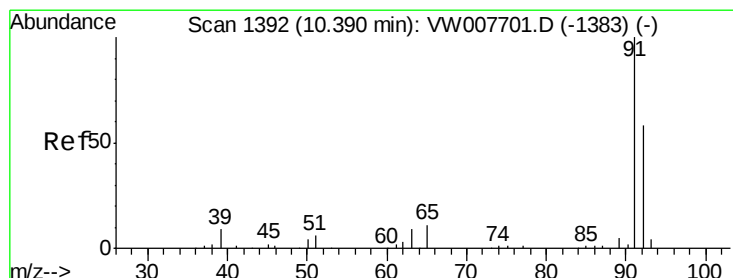
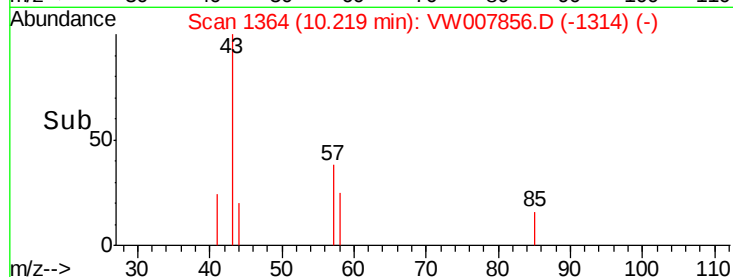
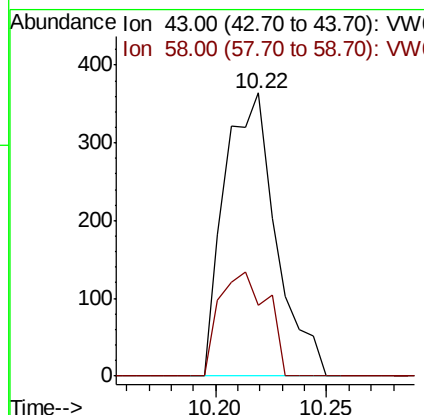
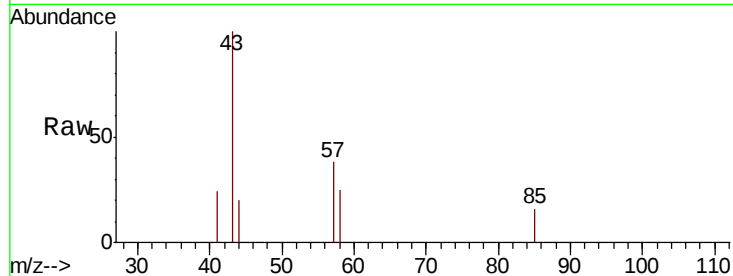




#51
 4-Methyl-2-Pentanone
 Concen: 1.912 ug/l
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VW007856.D
 Acq: 22 Dec 2018 21:03

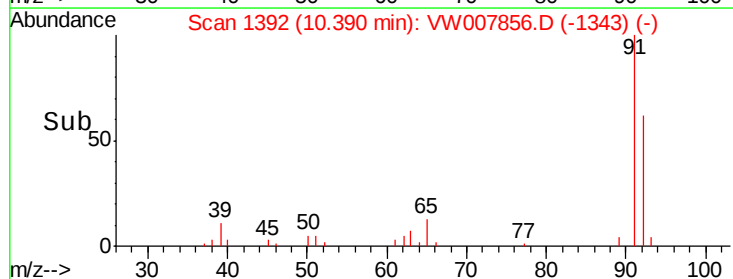
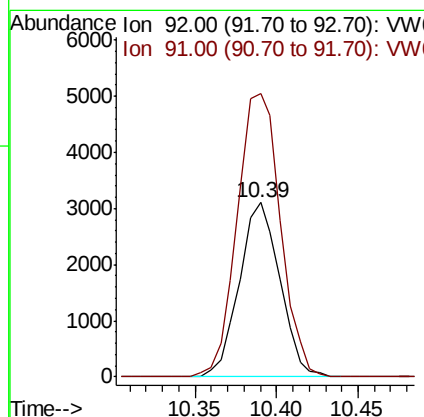
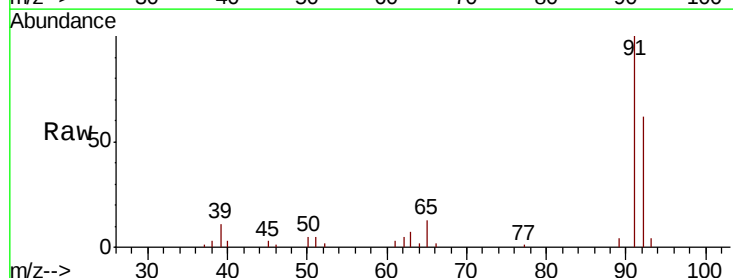
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS012-1218-01

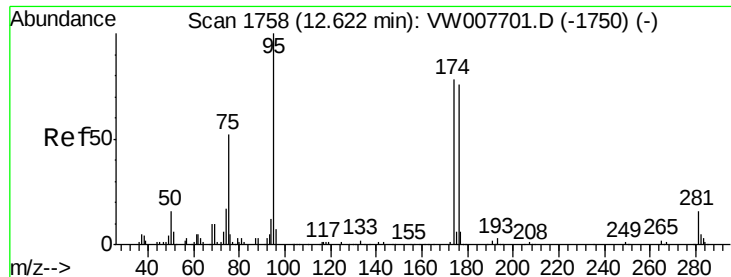
Tgt Ion: 43 Resp: 586
 Ion Ratio Lower Upper
 43 100
 58 34.3 33.2 49.8



#52
 Toluene
 Concen: 3.209 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW007856.D
 Acq: 22 Dec 2018 21:03

Tgt Ion: 92 Resp: 5389
 Ion Ratio Lower Upper
 92 100
 91 173.2 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 28.706 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007856.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_W

ClientSampleId :

P001-SS012-1218-01

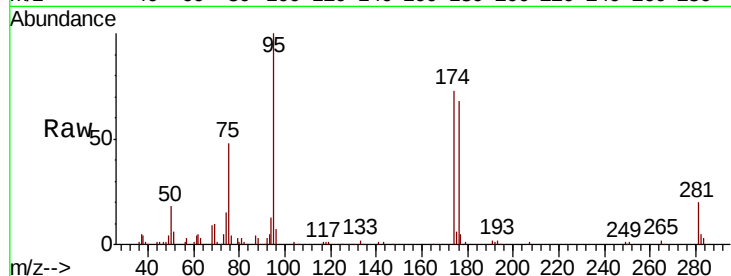
Tgt Ion: 95 Resp: 24786

Ion Ratio Lower Upper

95 100

174 72.8 0.0 152.2

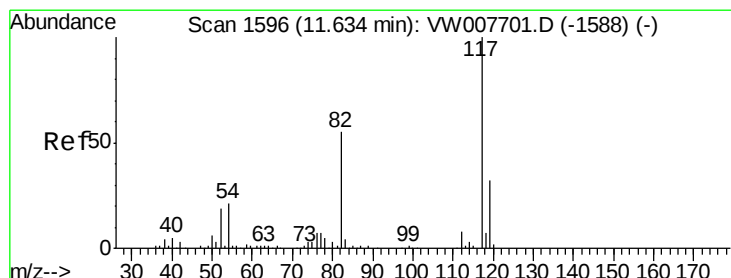
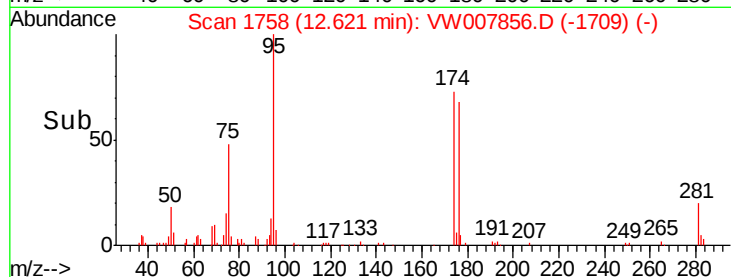
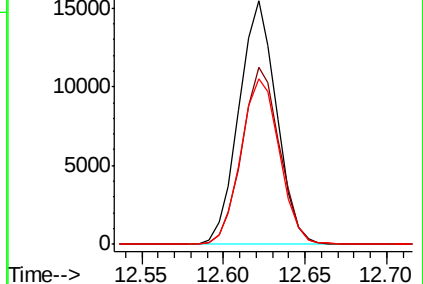
176 70.0 0.0 146.8



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: VW007856.D

Acq: 22 Dec 2018 21:03

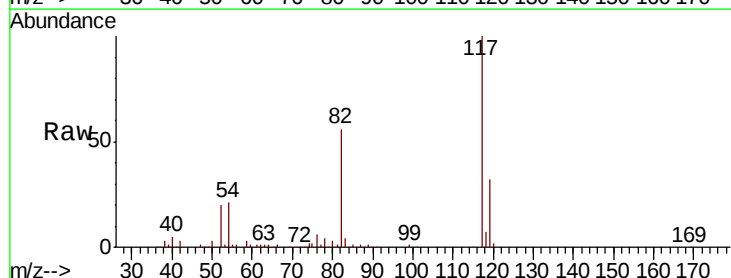
Tgt Ion: 117 Resp: 66977

Ion Ratio Lower Upper

117 100

82 55.9 44.3 66.5

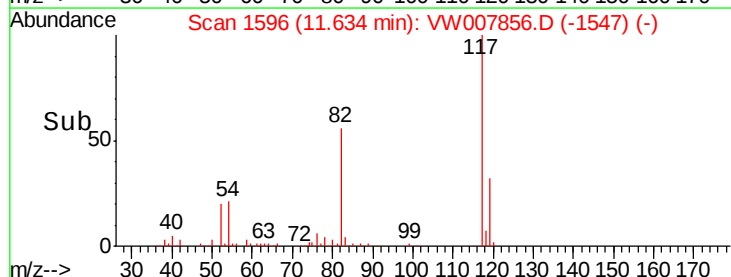
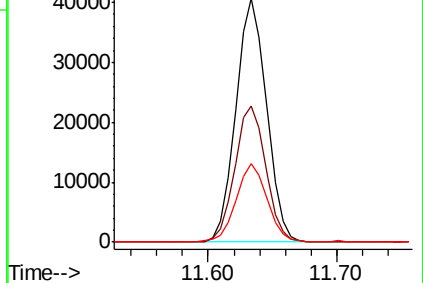
119 32.0 25.7 38.5

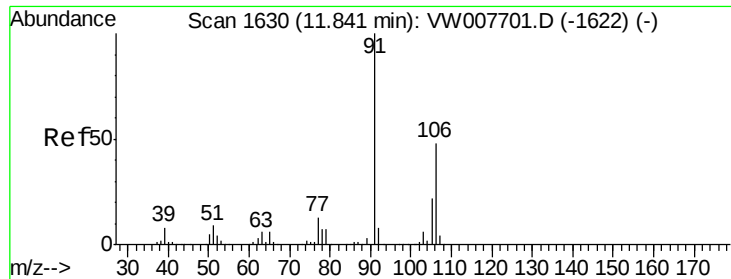


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

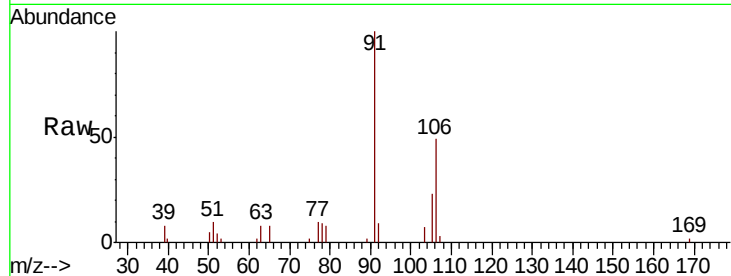




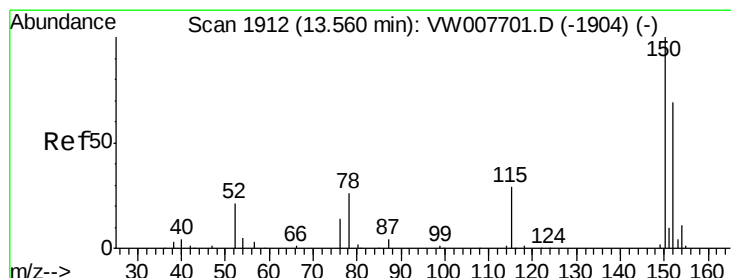
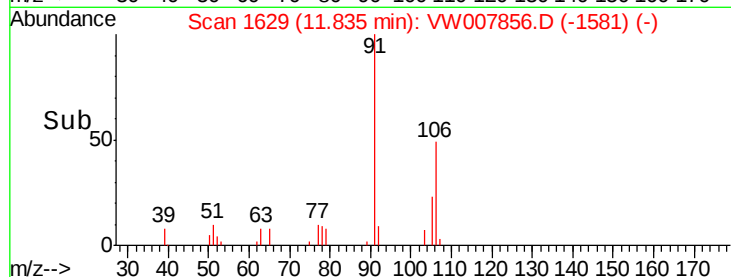
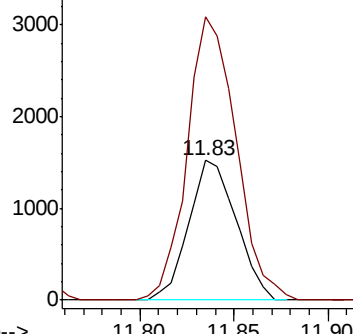
#68
m/p-Xylenes
Concen: 2.755 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007856.D
Acq: 22 Dec 2018 21:03

Instrument :
MSVOA_W
ClientSampleId :
P001-SS012-1218-01

Tgt Ion:106 Resp: 2659
Ion Ratio Lower Upper
106 100
91 208.6 165.2 247.8

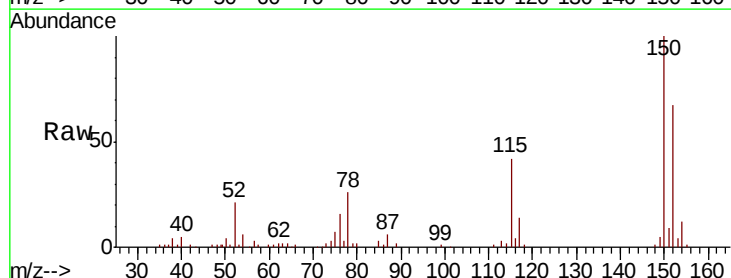


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

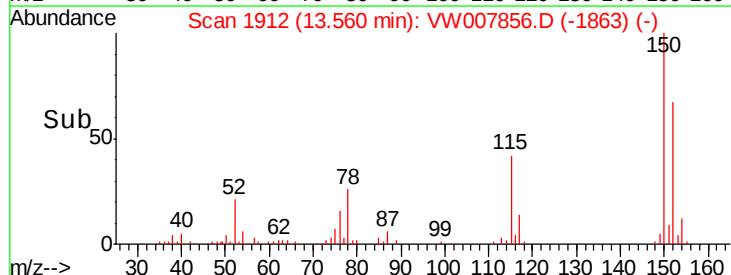
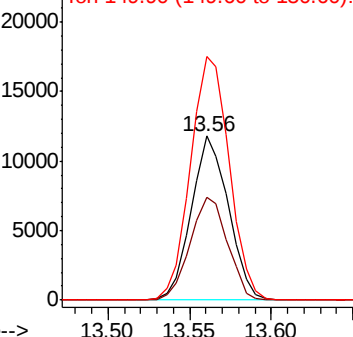


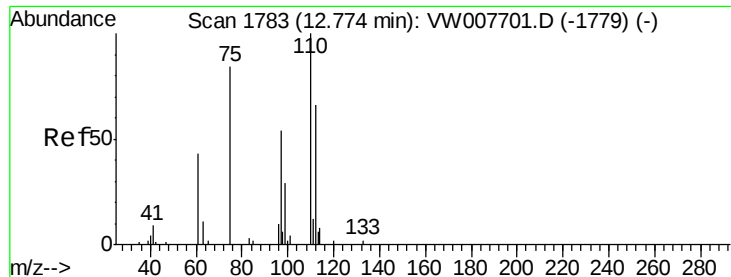
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007856.D
Acq: 22 Dec 2018 21:03

Tgt Ion:152 Resp: 18660
Ion Ratio Lower Upper
152 100
115 63.5 31.8 95.4
150 155.7 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: 86.116 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007856.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_W

ClientSampleId :

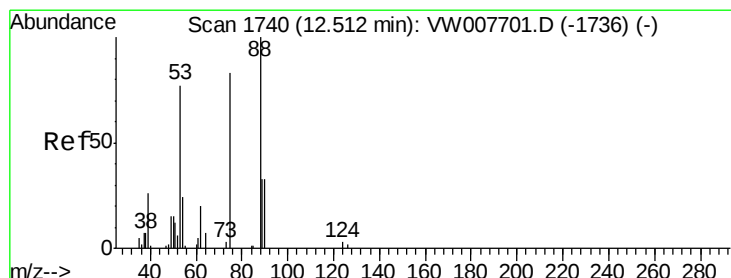
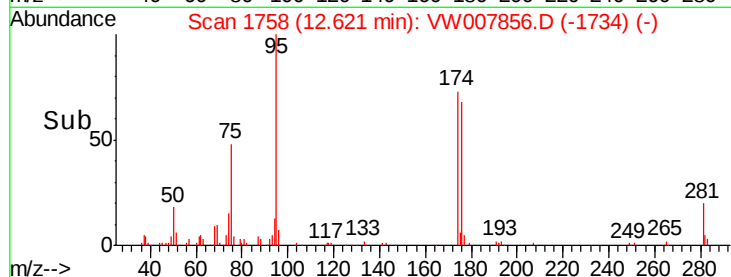
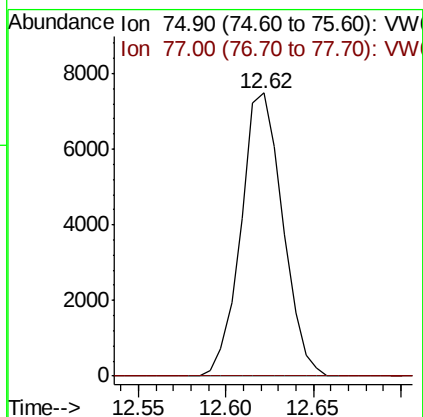
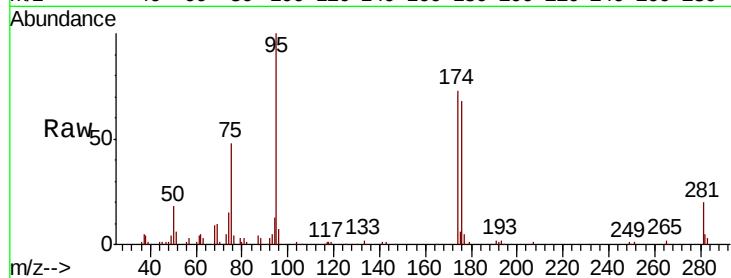
P001-SS012-1218-01

Tgt Ion: 75 Resp: 12420

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 180.763 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007856.D

Acq: 22 Dec 2018 21:03

Tgt Ion: 75 Resp: 12420

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#

