

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007565.D
 Acq On : 15 Dec 2018 06:15
 Operator : SY/AP
 Sample : J6391-04
 Misc : 5.54G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-1218-01

Quant Time: Dec 15 19:31:21 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	66246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	110142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	80791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	25239	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	40794	55.51	ug/l	0.00
Spiked Amount			Recovery	=	111.02%	
35) Dibromofluoromethane	7.88	113	34396	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
50) Toluene-d8	10.32	98	107534	43.02	ug/l	0.00
Spiked Amount			Recovery	=	86.04%	
62) 4-Bromofluorobenzene	12.62	95	30021	32.66	ug/l	0.00
Spiked Amount			Recovery	=	65.32%	

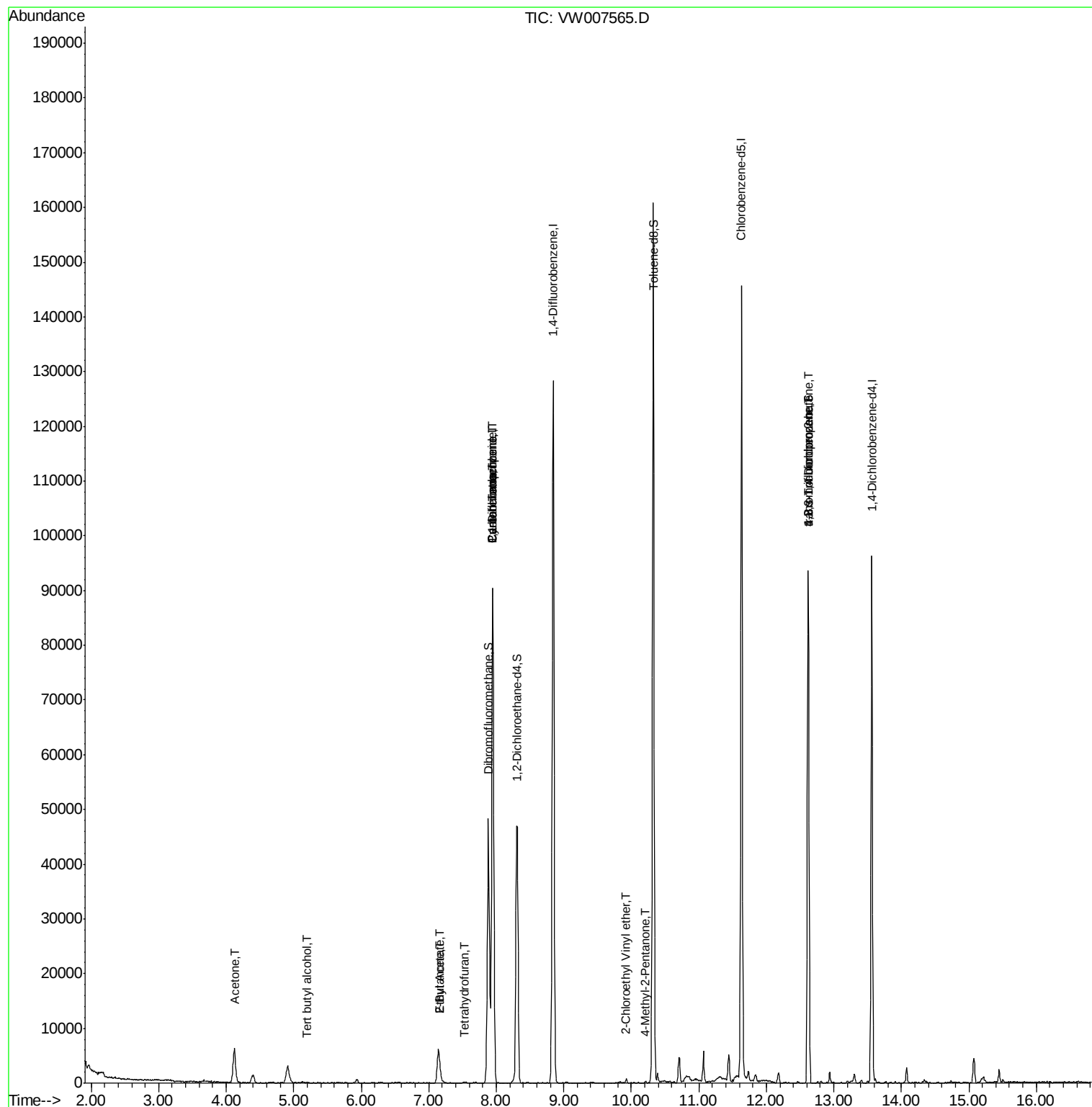
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	127	2.516	ug/l #	74
16) Acetone	4.12	43	10549	82.174	ug/l	93
25) 2-Butanone	7.16	43	1449	8.646	ug/l #	77
29) Tetrahydrofuran	7.53	42	132	1.244	ug/l #	30
31) Cyclohexane	7.95	56	1420	1.244	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	5103	5.079	ug/l #	50
37) Ethyl Acetate	7.16	43	1449	3.877	ug/l #	66
38) Carbon Tetrachloride	7.95	117	6932	6.341	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	403	1.155	ug/l	87
58) 2-Chloroethyl Vinyl ether	9.93	63	411	1.487	ug/l #	82
76) 1,2,3-Trichloropropane	12.62	75	15490	74.434	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	15490	164.426	ug/l #	7

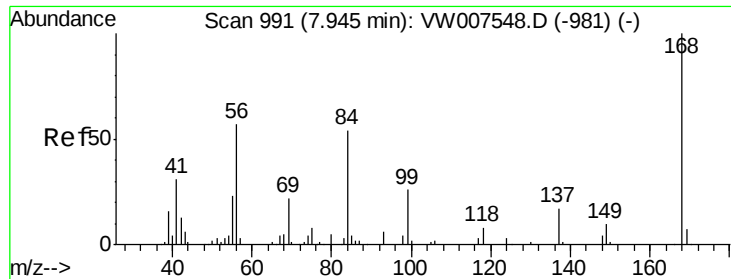
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007565.D

Acq: 15 Dec 2018 06:15

Instrument :

MSVOA_W

ClientSampleId :

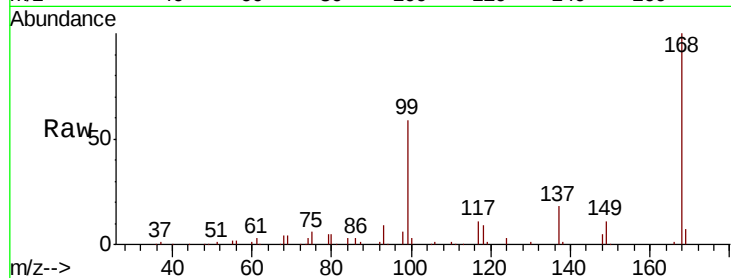
P001-SS015-1218-01

Tgt Ion:168 Resp: 66246

Ion Ratio Lower Upper

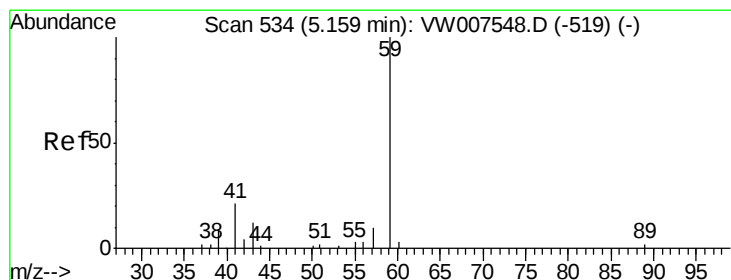
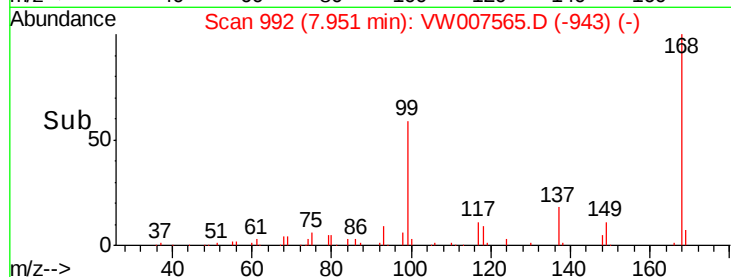
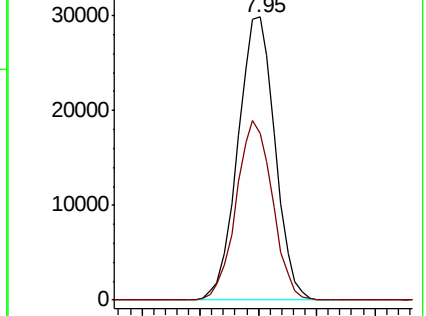
168 100

99 58.8 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.516 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW007565.D

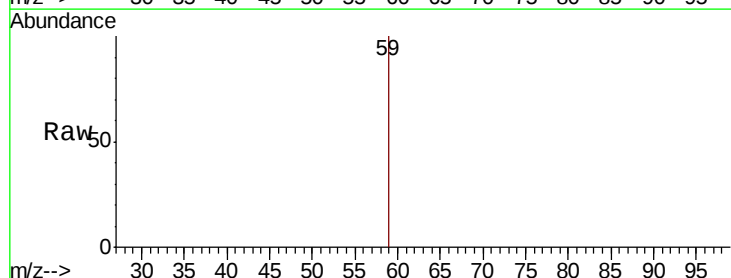
Acq: 15 Dec 2018 06:15

Tgt Ion: 59 Resp: 127

Ion Ratio Lower Upper

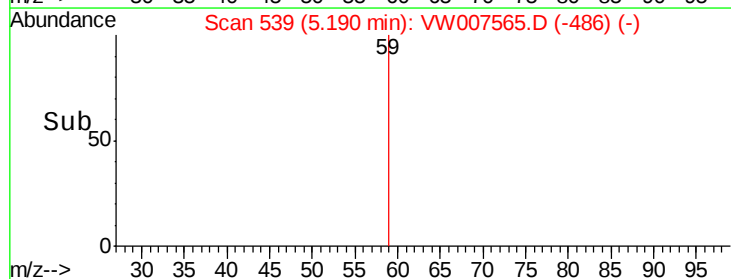
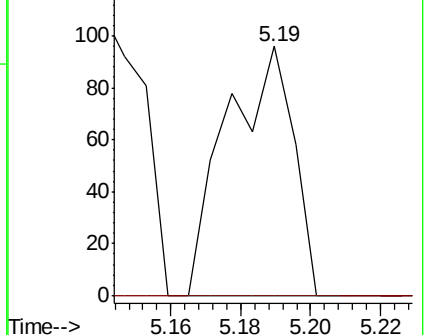
59 100

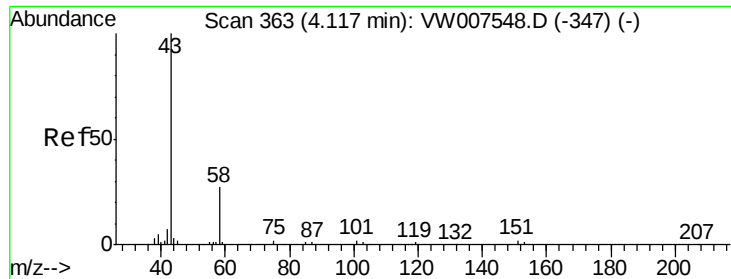
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 82.174 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007565.D

Acq: 15 Dec 2018 06:15

Instrument :

MSVOA_W

ClientSampleId :

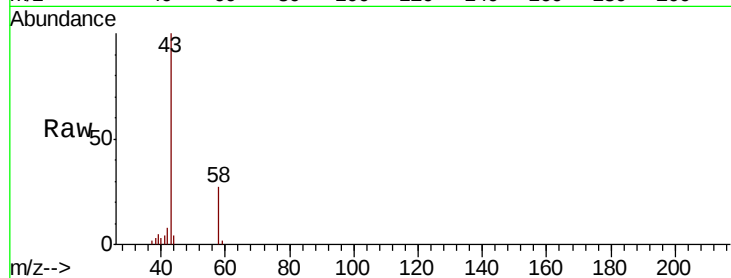
P001-SS015-1218-01

Tgt Ion: 43 Resp: 10549

Ion Ratio Lower Upper

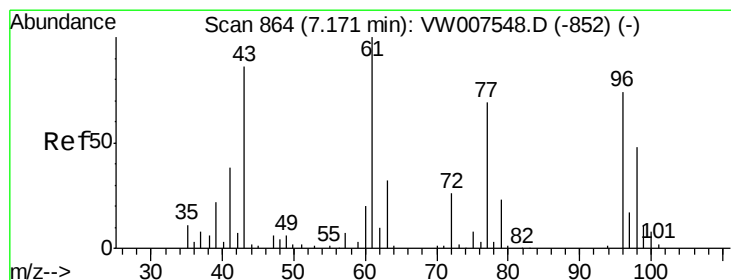
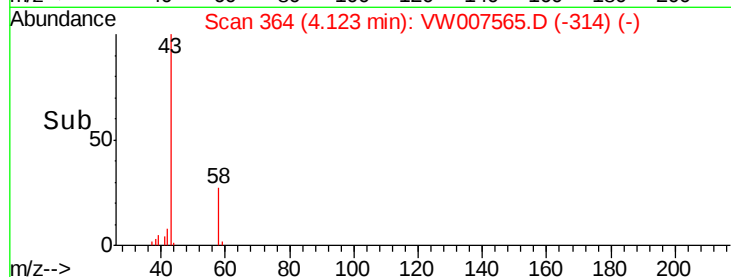
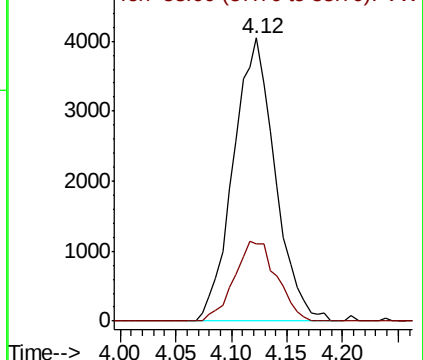
43 100

58 27.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 8.646 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007565.D

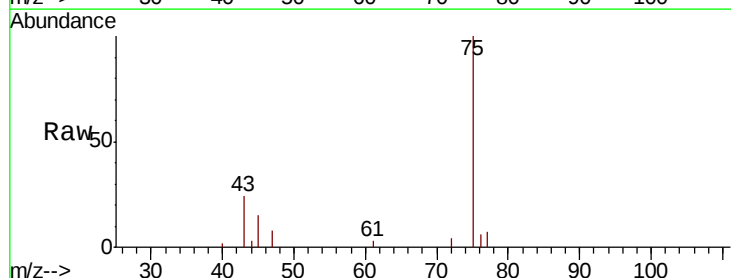
Acq: 15 Dec 2018 06:15

Tgt Ion: 43 Resp: 1449

Ion Ratio Lower Upper

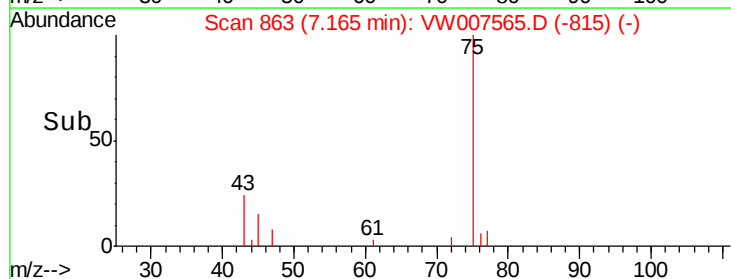
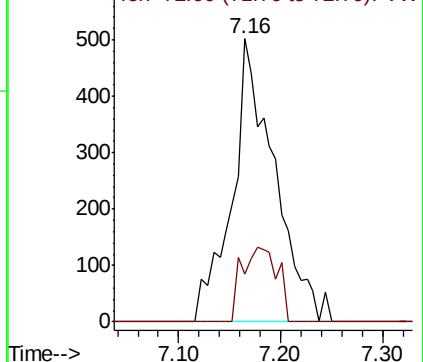
43 100

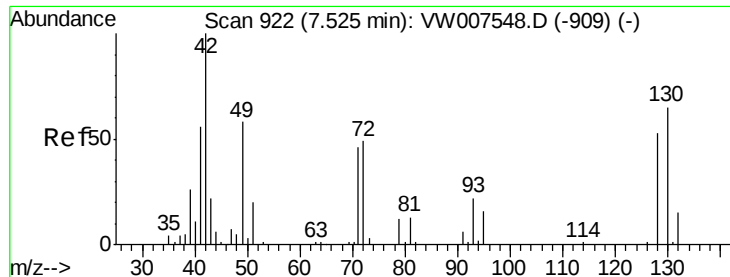
72 17.1 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.244 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW007565.D

Acq: 15 Dec 2018 06:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-1218-01

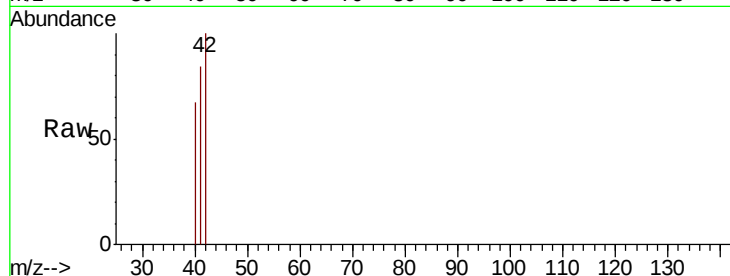
Tgt Ion: 42 Resp: 132

Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.4#

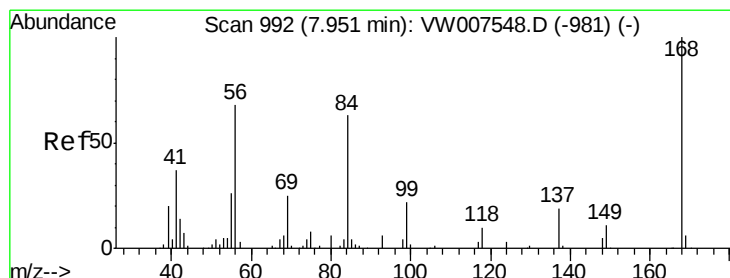
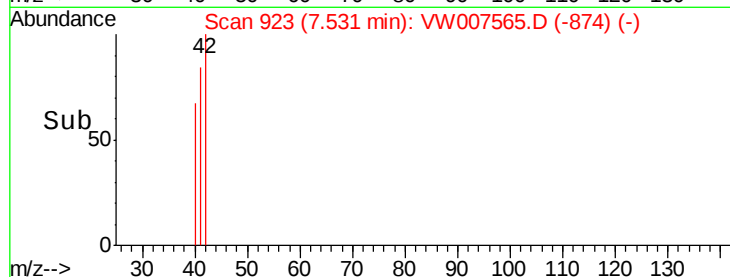
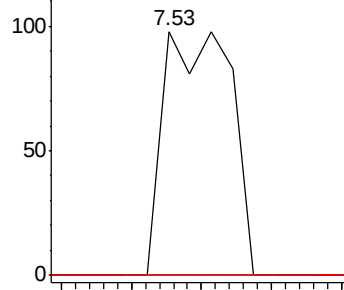
71 0.0 35.5 53.3#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.244 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007565.D

Acq: 15 Dec 2018 06:15

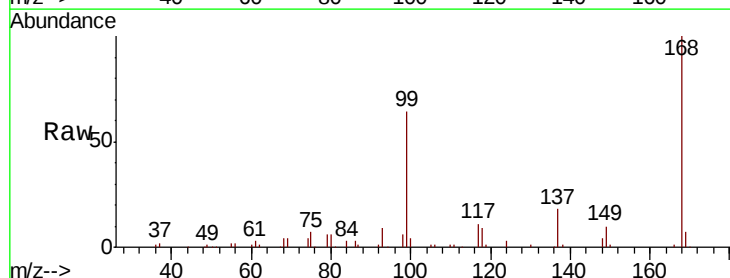
Tgt Ion: 56 Resp: 1420

Ion Ratio Lower Upper

56 100

69 169.0 28.9 43.3#

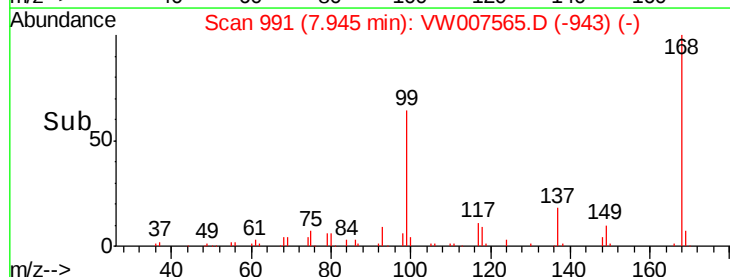
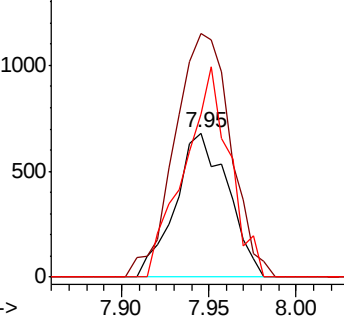
84 113.2 71.8 107.6#

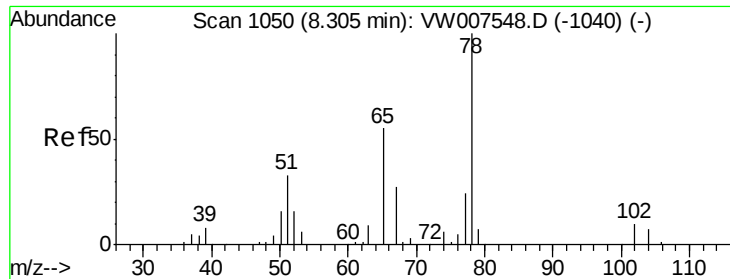


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

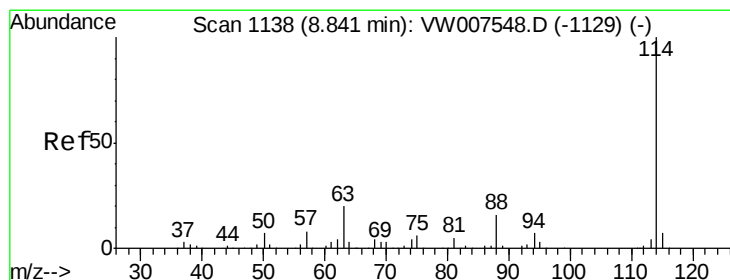
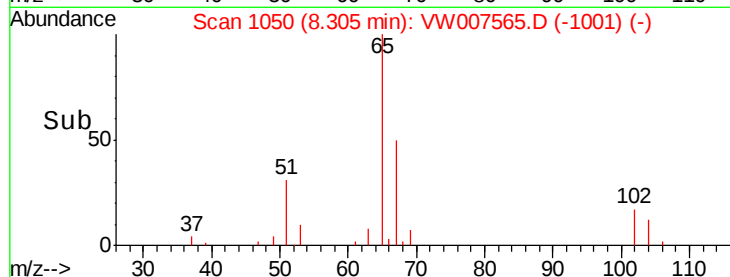
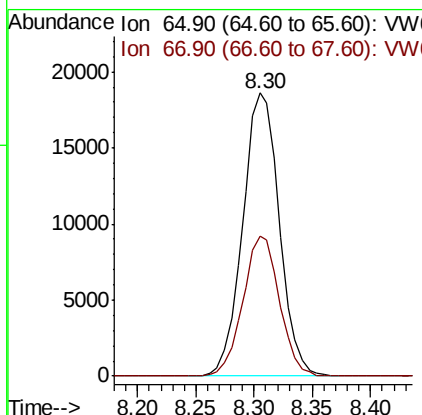
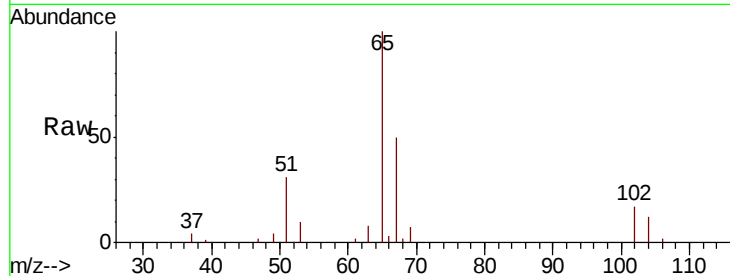




#33
 1,2-Dichloroethane-d4
 Concen: 55.506 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007565.D
 Acq: 15 Dec 2018 06:15

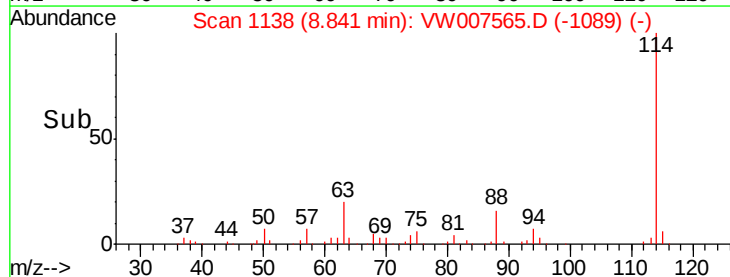
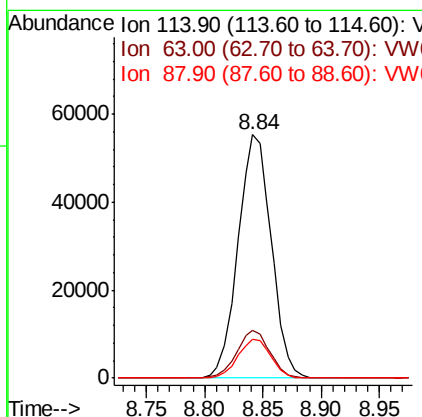
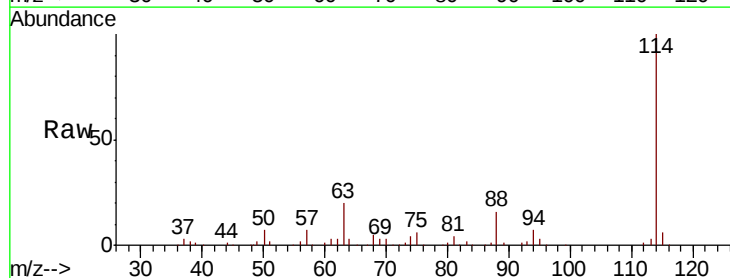
Instrument :
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 P001-SS015-1218-01

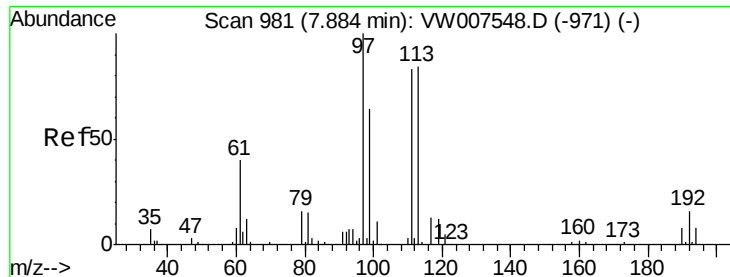
Tgt Ion: 65 Resp: 40794
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007565.D
 Acq: 15 Dec 2018 06:15

Tgt Ion: 114 Resp: 110142
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.6
 88 16.1 0.0 31.4

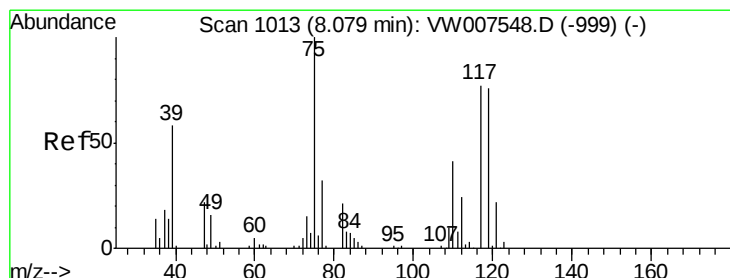
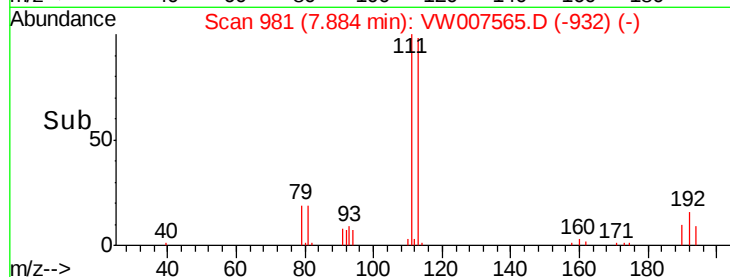
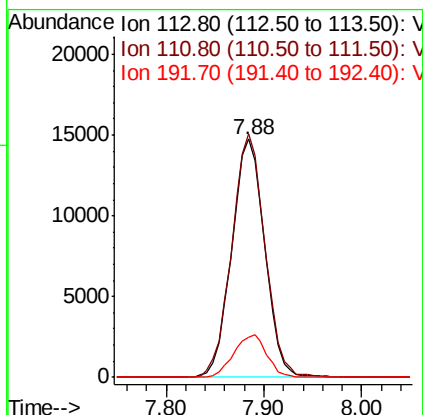
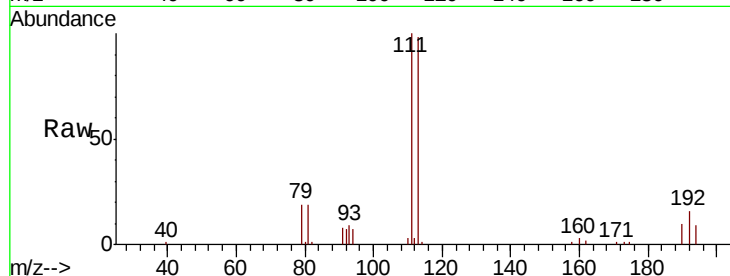




#35
 Dibromofluoromethane
 Concen: 51.589 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007565.D
 Acq: 15 Dec 2018 06:15

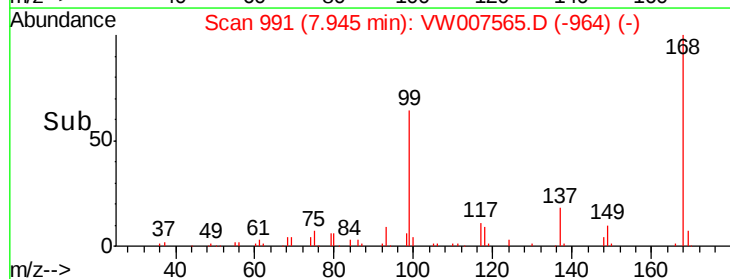
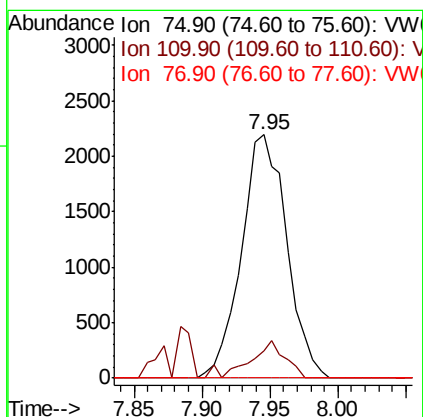
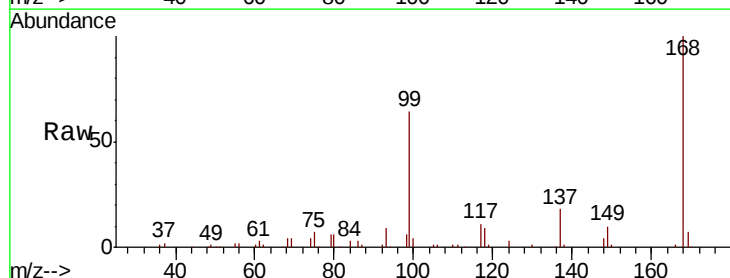
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 P001-SS015-1218-01

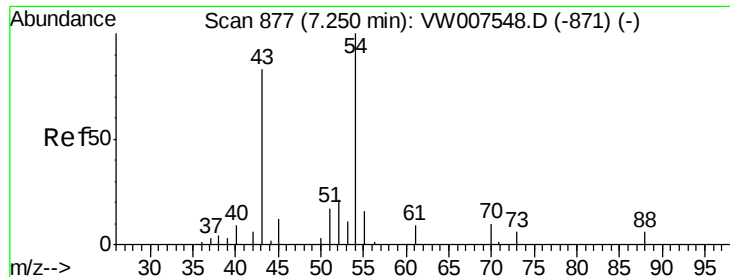
Tgt Ion: 113 Resp: 34396
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.1 121.7
 192 18.0 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 5.079 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007565.D
 Acq: 15 Dec 2018 06:15

Tgt Ion: 75 Resp: 5103
 Ion Ratio Lower Upper
 75 100
 110 11.4 18.5 55.5#
 77 0.0 25.6 38.4#

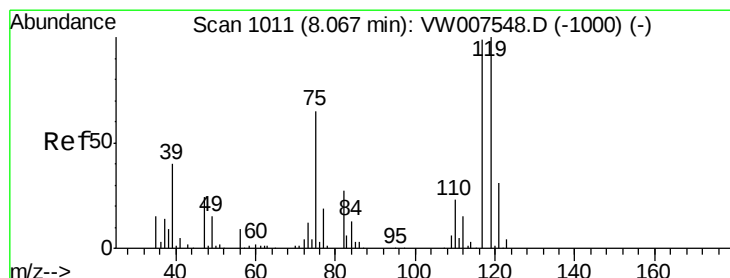
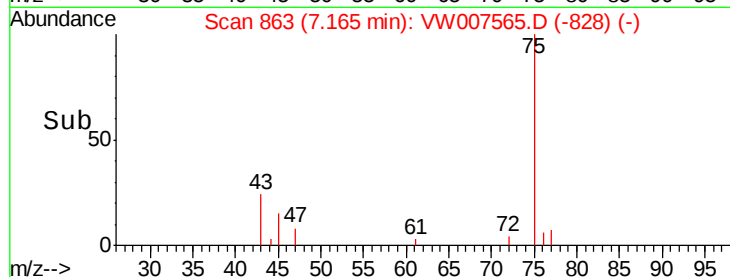
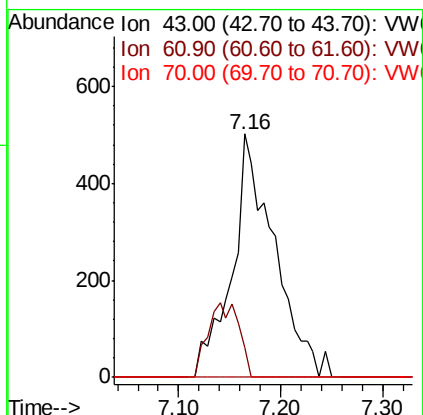
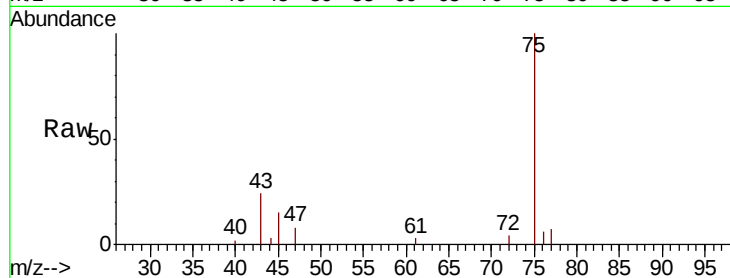




#37
Ethyl Acetate
Concen: 3.877 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.09 min
Lab File: VW007565.D
Acq: 15 Dec 2018 06:15

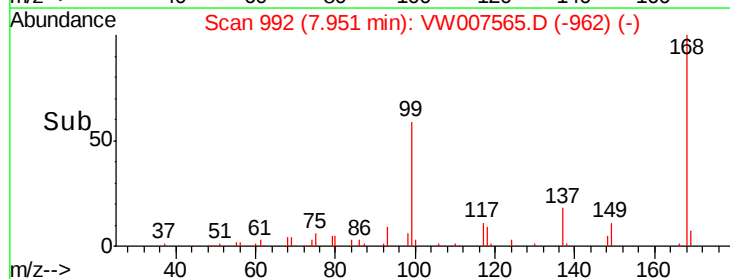
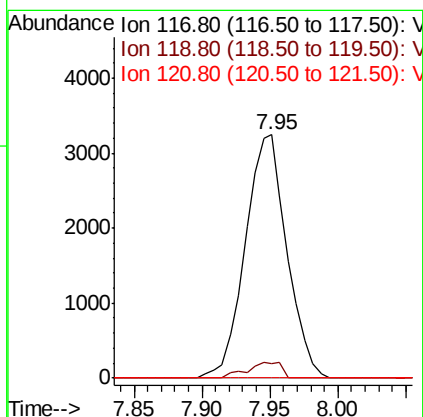
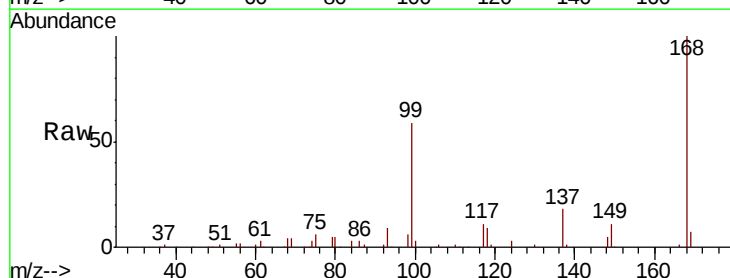
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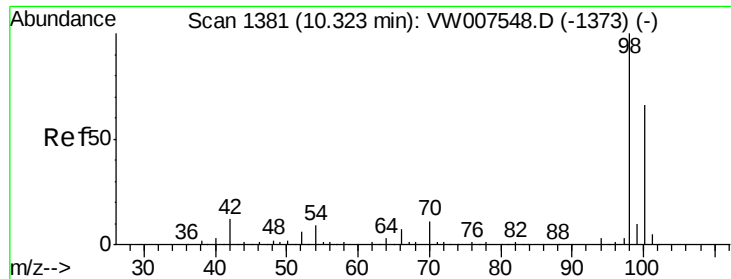
Tgt Ion: 43 Resp: 1449
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 6.341 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007565.D
Acq: 15 Dec 2018 06:15

Tgt Ion: 117 Resp: 6932
Ion Ratio Lower Upper
117 100
119 6.2 74.3 111.5#
121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 43.016 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007565.D

Acq: 15 Dec 2018 06:15

Instrument :

MSVOA_W

ClientSampleId :

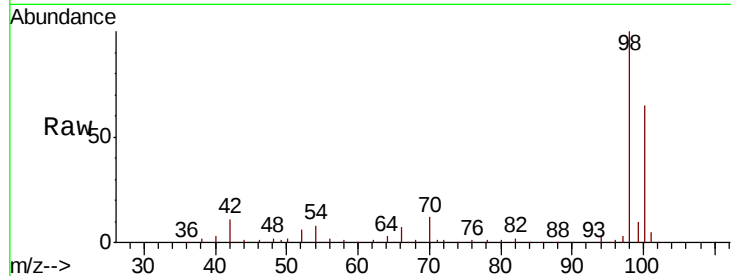
P001-SS015-1218-01

Tgt Ion: 98 Resp: 107534

Ion Ratio Lower Upper

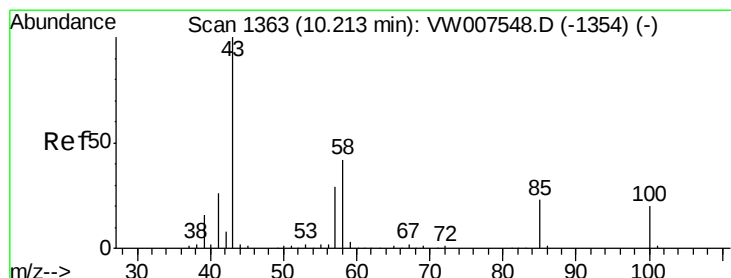
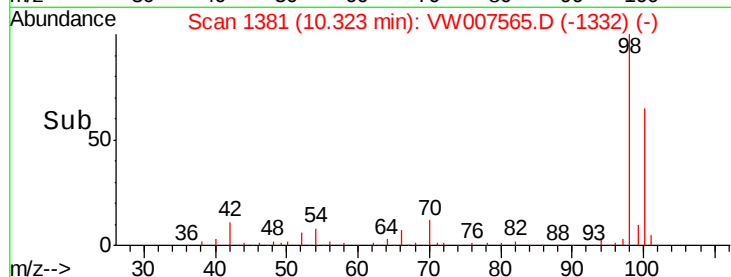
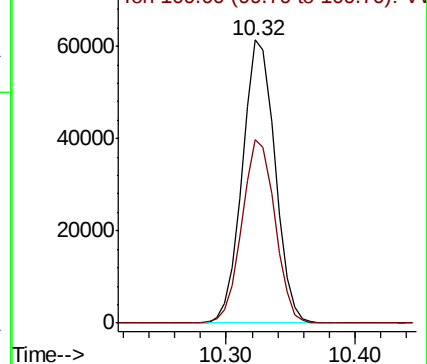
98 100

100 65.5 51.8 77.8



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: 1.155 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW007565.D

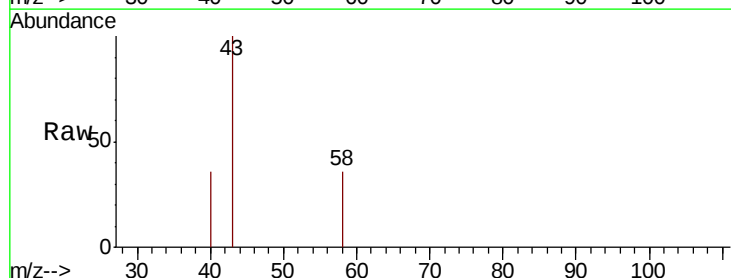
Acq: 15 Dec 2018 06:15

Tgt Ion: 43 Resp: 403

Ion Ratio Lower Upper

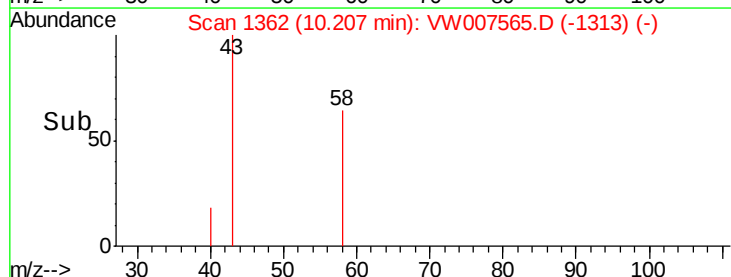
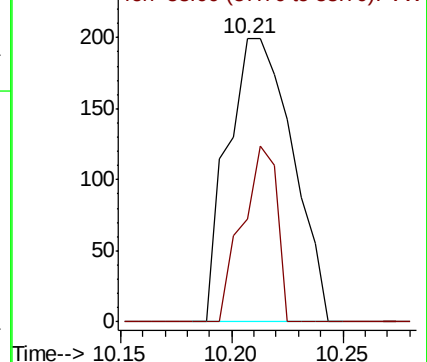
43 100

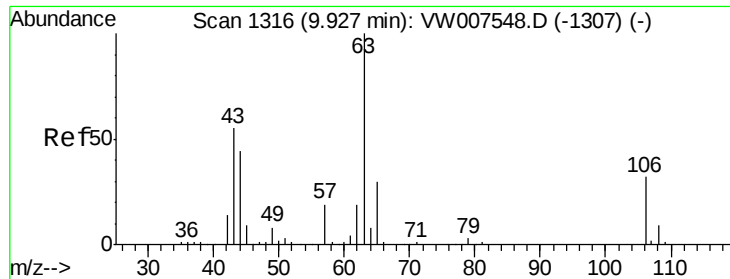
58 33.3 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

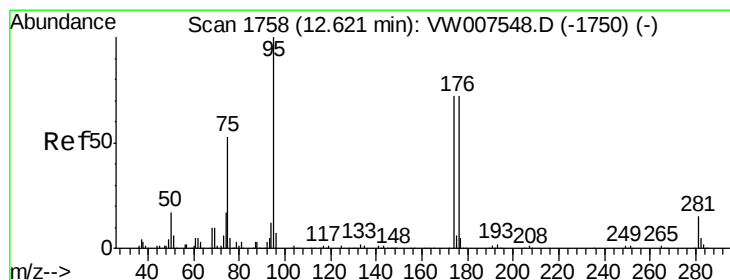
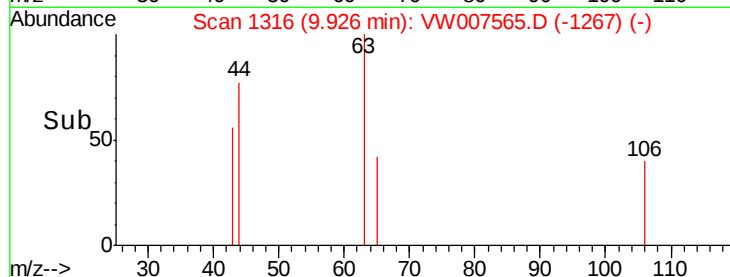
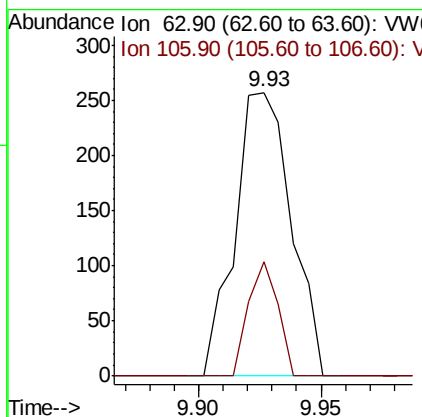
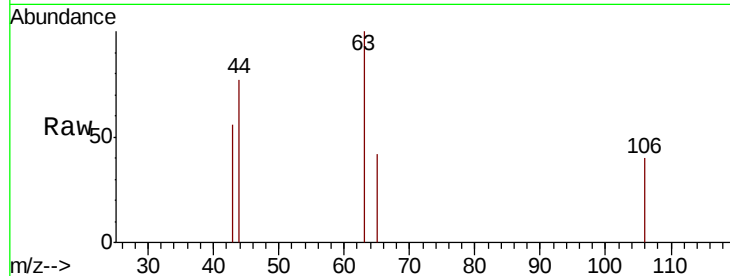




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.487 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007565.D
 Acq: 15 Dec 2018 06:15

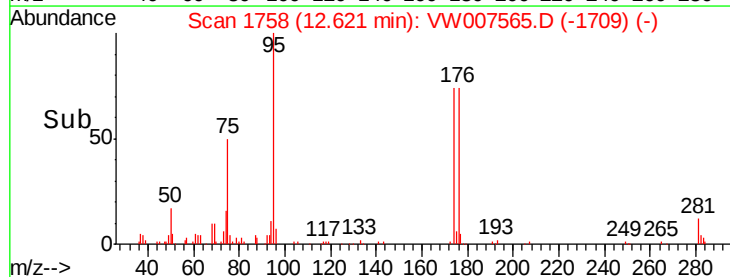
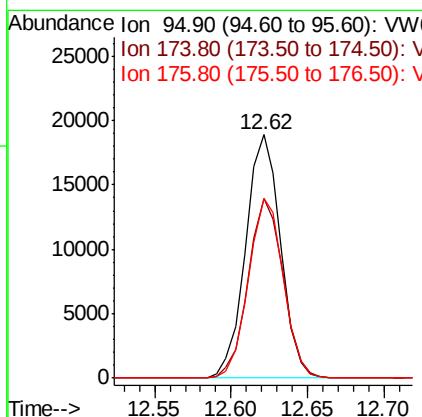
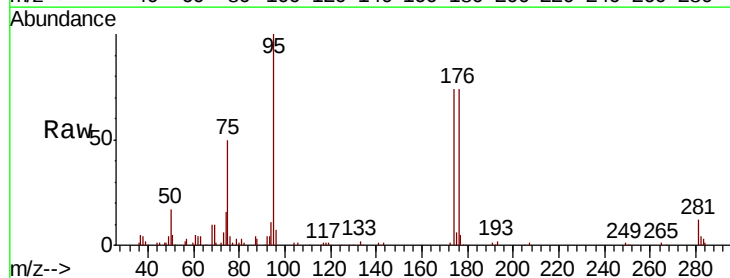
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS015-1218-01

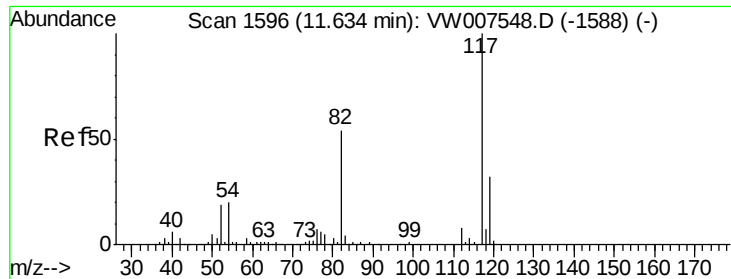
Tgt Ion: 63 Resp: 411
 Ion Ratio Lower Upper
 63 100
 106 21.2 25.0 37.6#



#62
 4-Bromofluorobenzene
 Concen: 32.662 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007565.D
 Acq: 15 Dec 2018 06:15

Tgt Ion: 95 Resp: 30021
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 147.2
 176 73.5 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: VW007565.D

Acq: 15 Dec 2018 06:15

Instrument :

MSVOA_W

ClientSampleId :

P001-SS015-1218-01

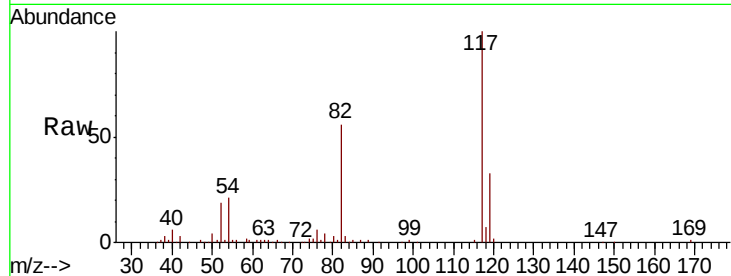
Tgt Ion:117 Resp: 80791

Ion Ratio Lower Upper

117 100

82 55.7 42.3 63.5

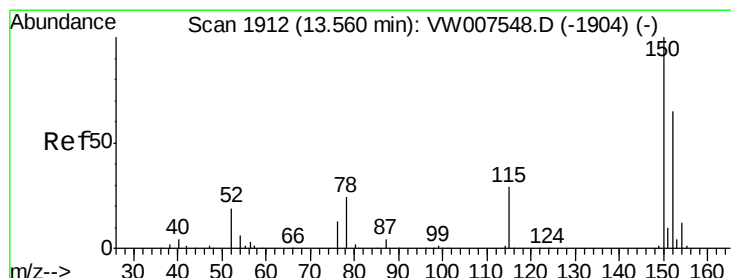
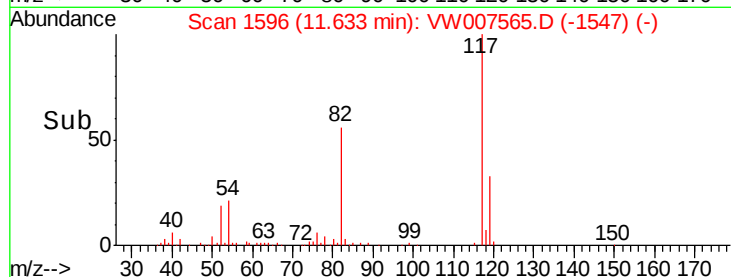
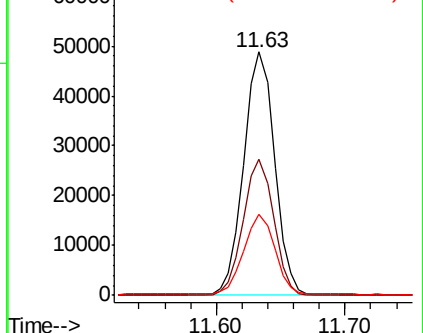
119 32.9 23.0 34.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): 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: VW007565.D

Acq: 15 Dec 2018 06:15

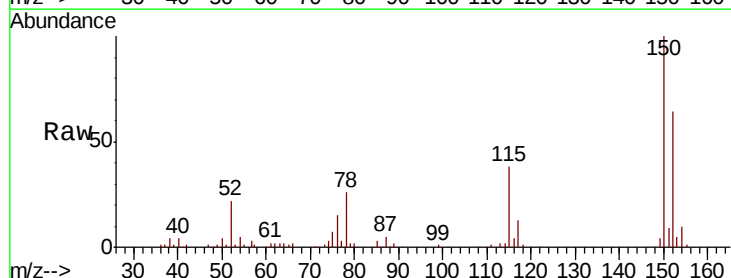
Tgt Ion:152 Resp: 25239

Ion Ratio Lower Upper

152 100

115 60.5 31.4 94.2

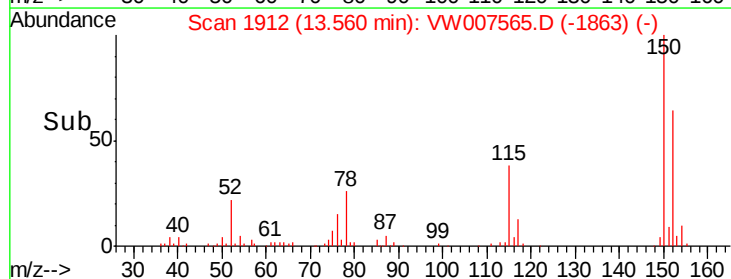
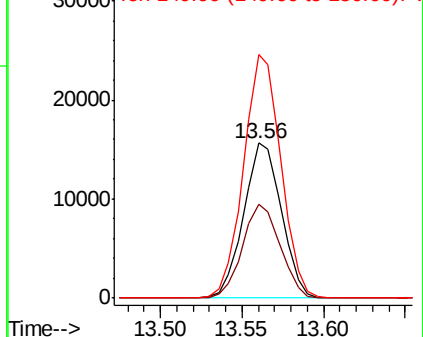
150 155.8 0.0 358.4

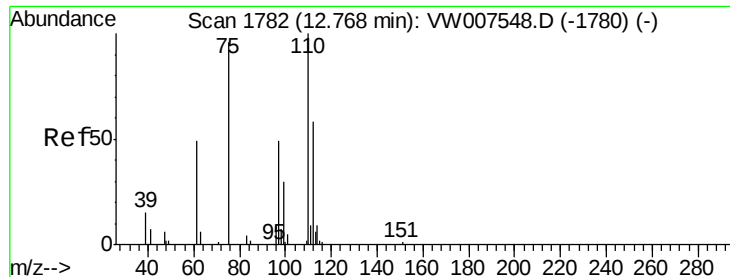


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 74.434 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007565.D

Acq: 15 Dec 2018 06:15

Instrument :

MSVOA_W

ClientSampleId :

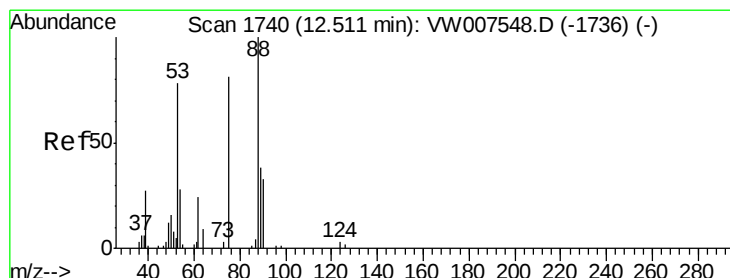
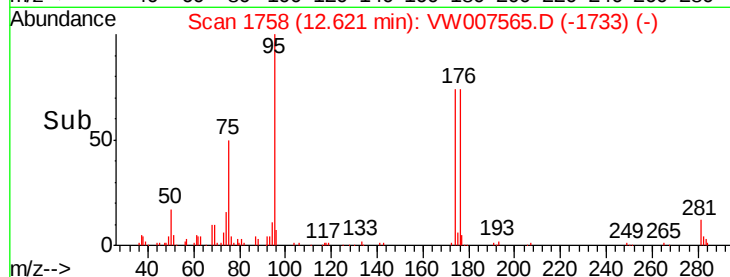
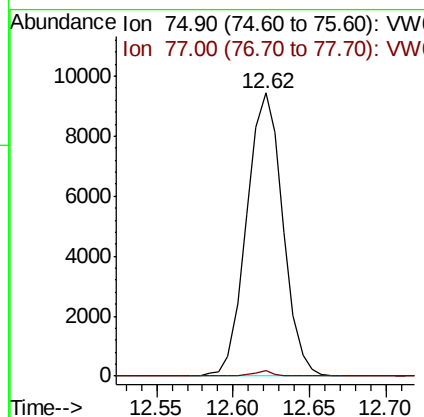
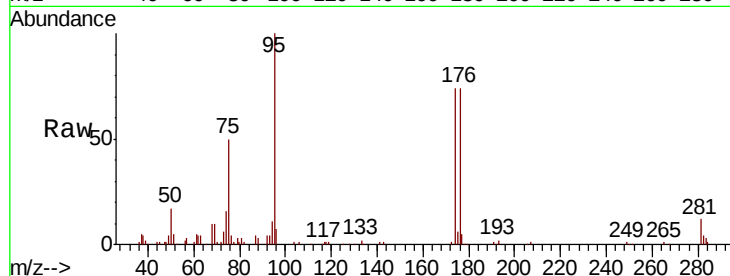
P001-SS015-1218-01

Tgt Ion: 75 Resp: 15490

Ion Ratio Lower Upper

75 100

77 0.9 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 164.426 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007565.D

Acq: 15 Dec 2018 06:15

Tgt Ion: 75 Resp: 15490

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

