

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007584.D
 Acq On : 15 Dec 2018 16:09
 Operator : SY/AP
 Sample : J6353-08
 Misc : 5.85G/5ML/MSVOA_W/SOIL
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS005-0002-01

Quant Time: Dec 15 20:25:17 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	51555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	83818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	46399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	7126	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	37458	65.49	ug/l	0.00
Spiked Amount			Recovery	=	130.98%	
35) Dibromofluoromethane	7.88	113	33294	65.62	ug/l	0.00
Spiked Amount			Recovery	=	131.24%	
50) Toluene-d8	10.32	98	95488	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.62	95	13973	19.98	ug/l	0.00
Spiked Amount			Recovery	=	39.96%	

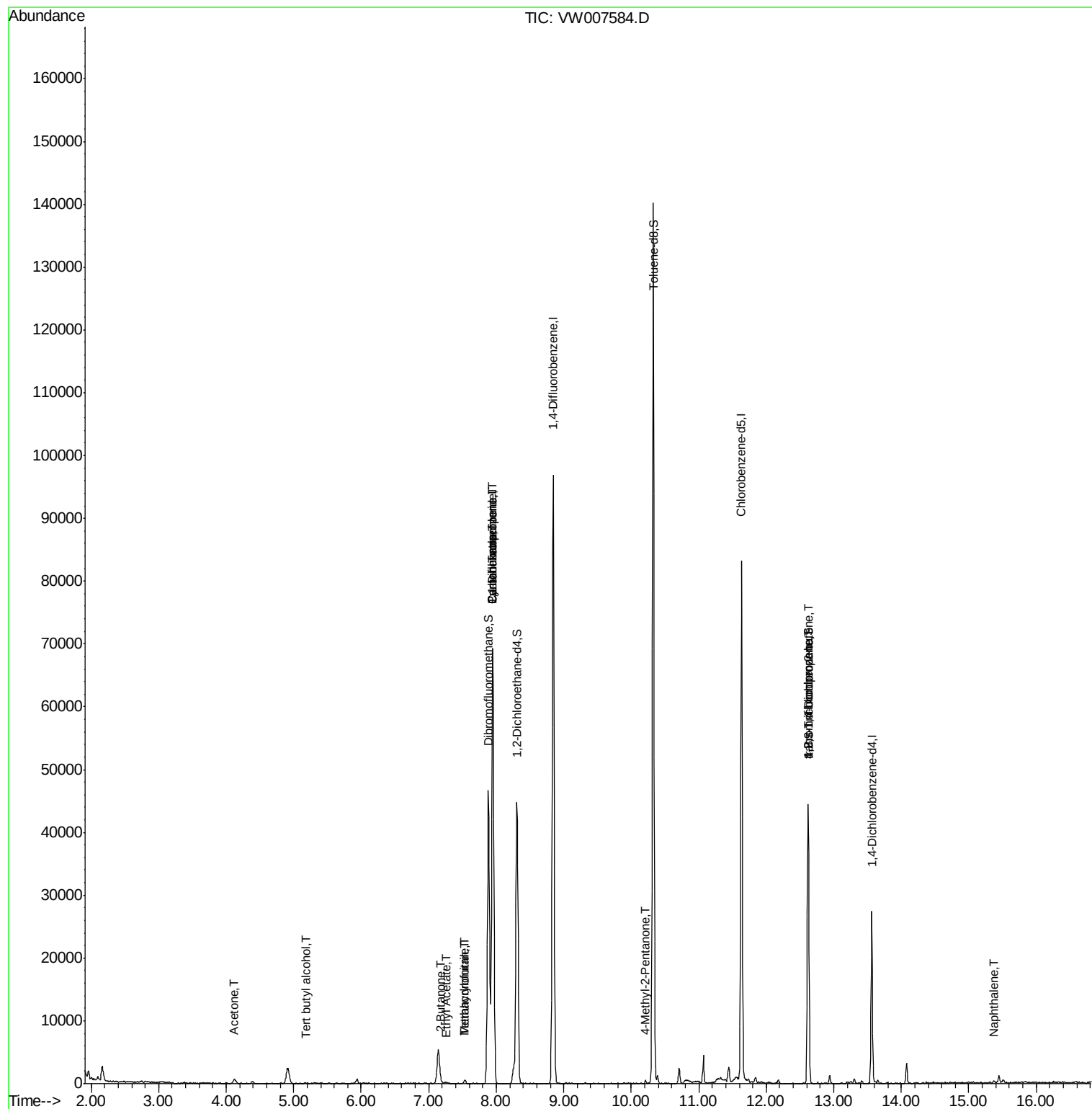
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	115	2.928	ug/l #	74
16) Acetone	4.12	43	1508	15.094	ug/l	95
20) Methylene Chloride	4.91	84	2053	Below Cal		92
25) 2-Butanone	7.18	43	338	2.592	ug/l #	45
29) Tetrahydrofuran	7.53	42	388	4.699	ug/l #	73
31) Cyclohexane	7.95	56	1135	1.277	ug/l #	32
36) 1,1-Dichloropropene	7.95	75	4112	5.378	ug/l #	48
37) Ethyl Acetate	7.25	43	514	1.807	ug/l #	66
38) Carbon Tetrachloride	7.95	117	5315	6.388	ug/l #	18
41) Methacrylonitrile	7.53	41	174	1.074	ug/l #	45
51) 4-Methyl-2-Pentanone	10.21	43	391	1.473	ug/l #	69
76) 1,2,3-Trichloropropane	12.62	75	7500	127.647	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	7500	281.973	ug/l #	7
95) Naphthalene	15.37	128	408	1.434	ug/l #	70

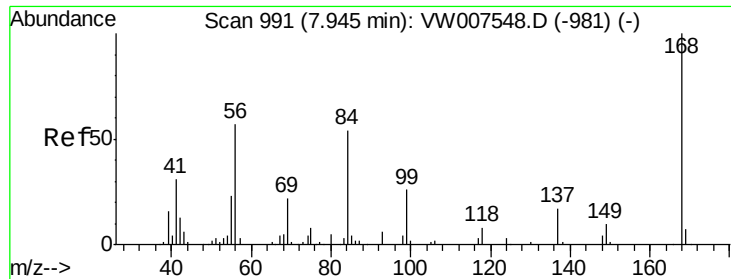
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007584.D

Acq: 15 Dec 2018 16:09

Instrument :

MSVOA_W

ClientSampleId :

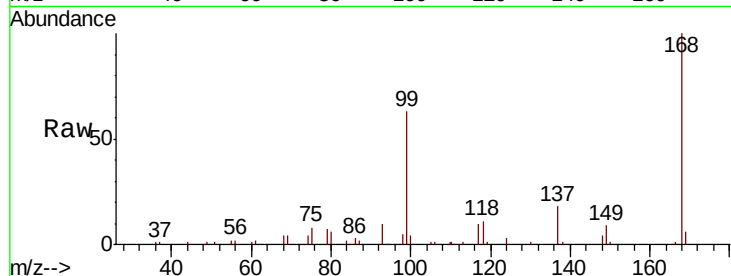
P001-SS005-0002-01

Tgt Ion: 168 Resp: 51555

Ion Ratio Lower Upper

168 100

99 62.7 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

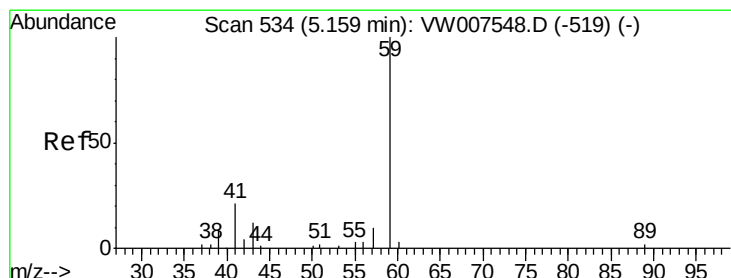
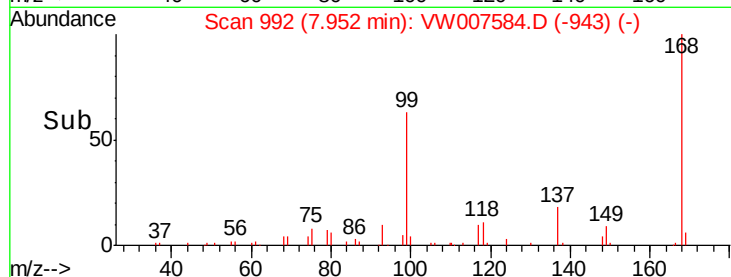
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 2.928 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007584.D

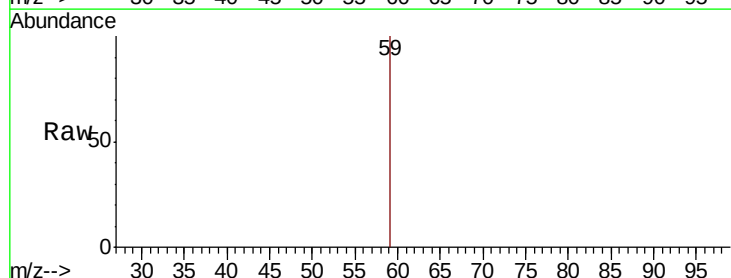
Acq: 15 Dec 2018 16:09

Tgt Ion: 59 Resp: 115

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

5.17

100

80

60

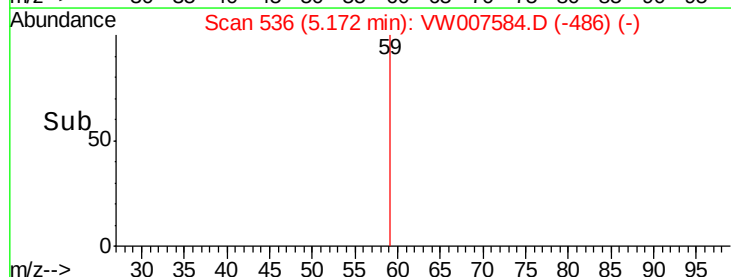
40

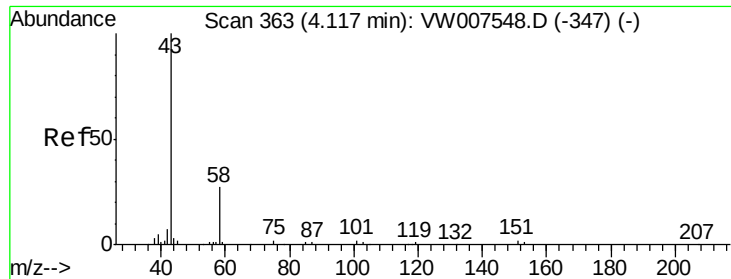
20

0

5.14 5.16 5.18 5.20

Time-->





#16

Acetone

Concen: 15.094 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007584.D

Acq: 15 Dec 2018 16:09

Instrument :

MSVOA_W

ClientSampleId :

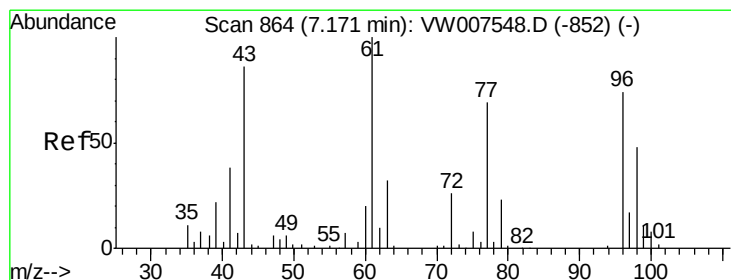
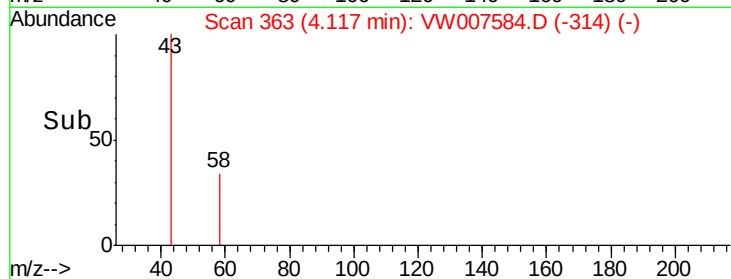
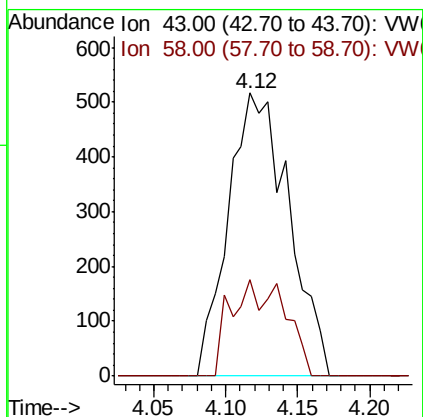
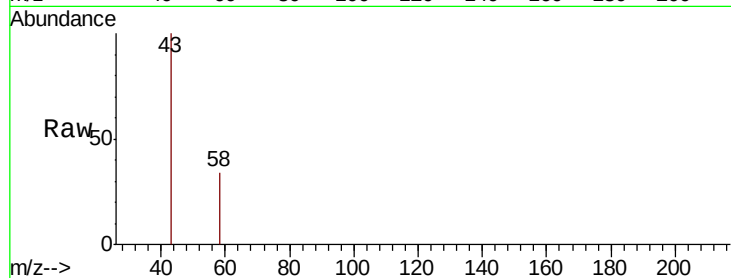
P001-SS005-0002-01

Tgt Ion: 43 Resp: 1508

Ion Ratio Lower Upper

43 100

58 33.8 24.9 37.3



#25

2-Butanone

Concen: 2.592 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007584.D

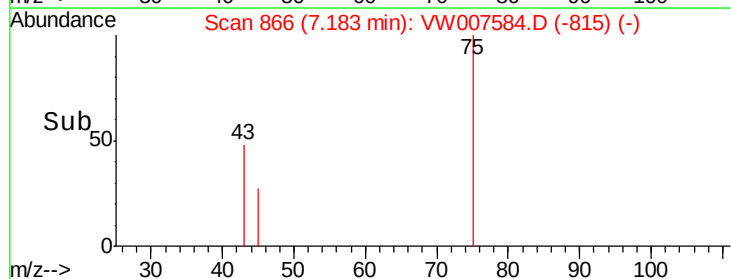
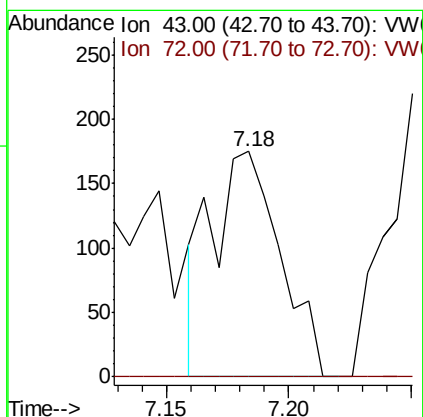
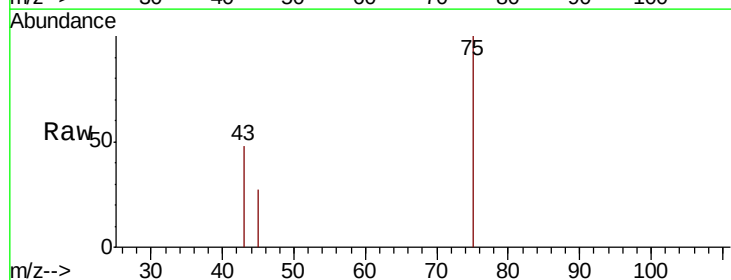
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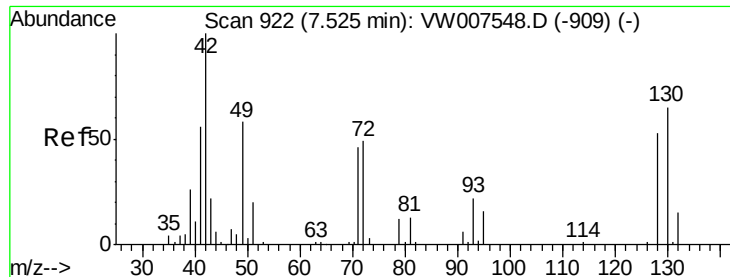
Tgt Ion: 43 Resp: 338

Ion Ratio Lower Upper

43 100

72 0.0 23.4 35.2#





#29

Tetrahydrofuran

Concen: 4.699 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW007584.D

Acq: 15 Dec 2018 16:09

Instrument :

MSVOA_W

ClientSampleId :

P001-SS005-0002-01

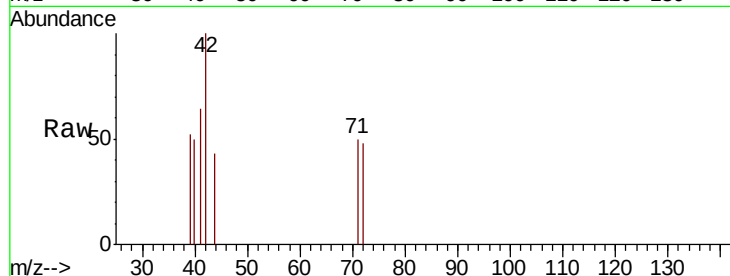
Tgt Ion: 42 Resp: 388

Ion Ratio Lower Upper

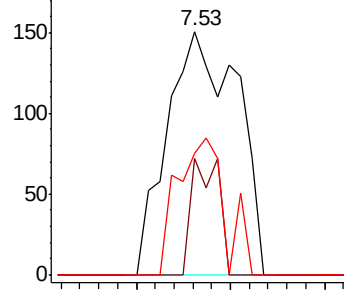
42 100

72 18.6 38.2 57.4#

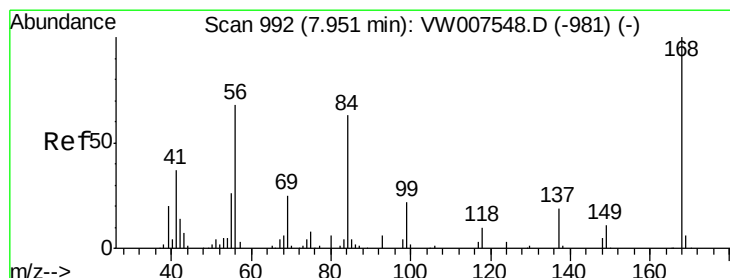
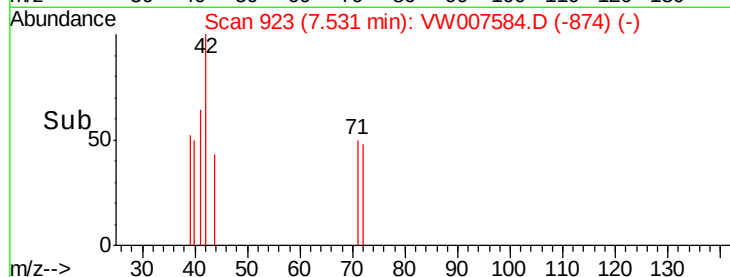
71 37.9 35.5 53.3



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



Time-->



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007584.D

Acq: 15 Dec 2018 16:09

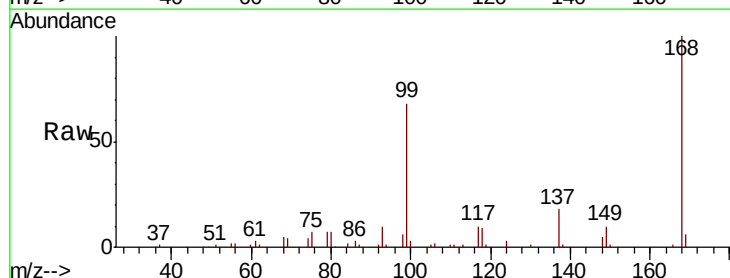
Tgt Ion: 56 Resp: 1135

Ion Ratio Lower Upper

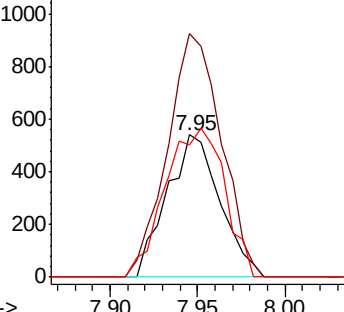
56 100

69 171.0 28.9 43.3#

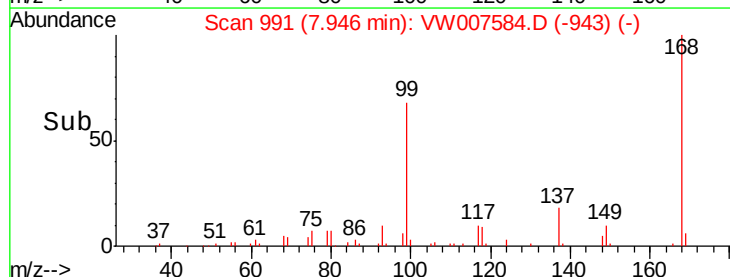
84 93.0 71.8 107.6

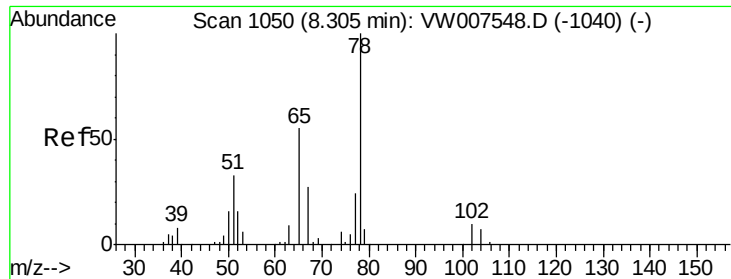


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



Time-->

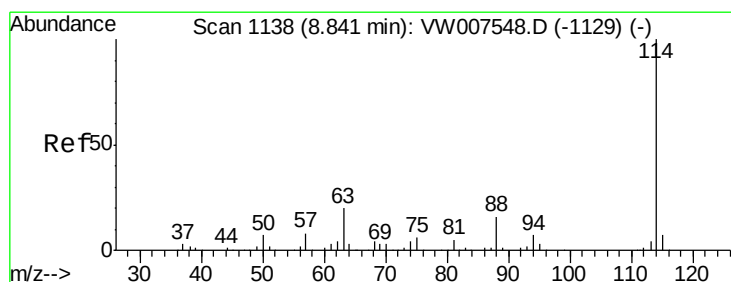
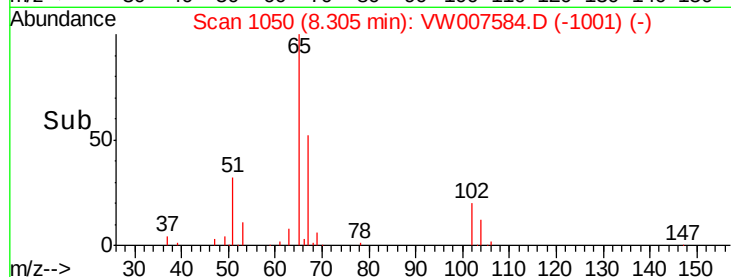
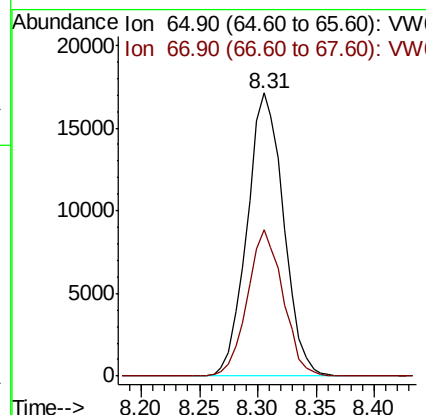
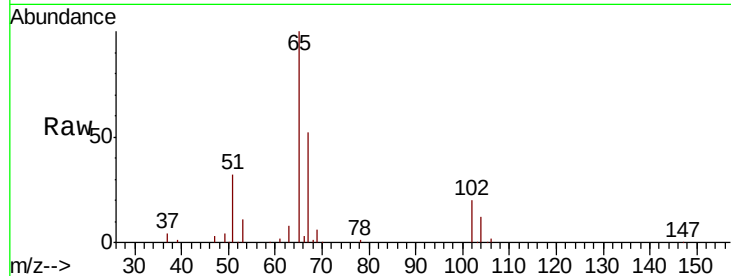




#33
 1,2-Dichloroethane-d4
 Concen: 65.490 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007584.D
 Acq: 15 Dec 2018 16:09

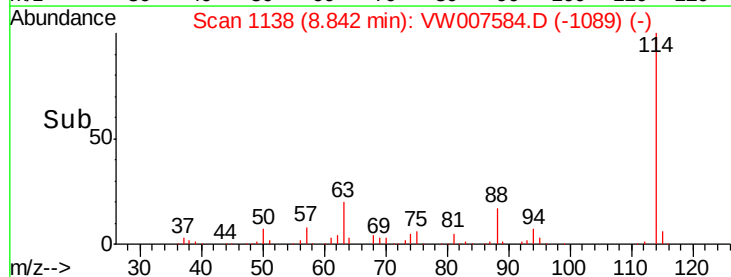
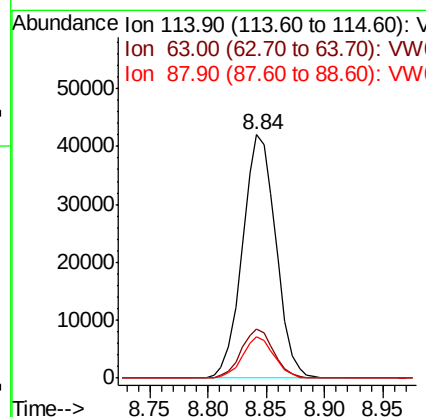
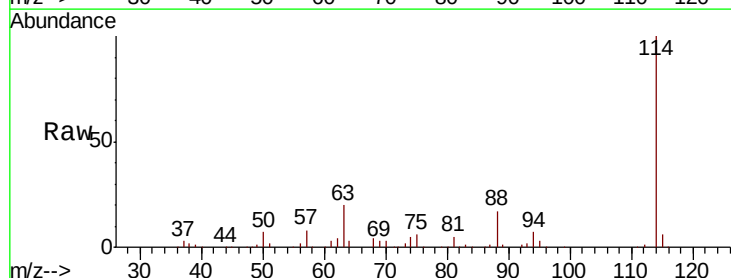
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 P001-SS005-0002-01

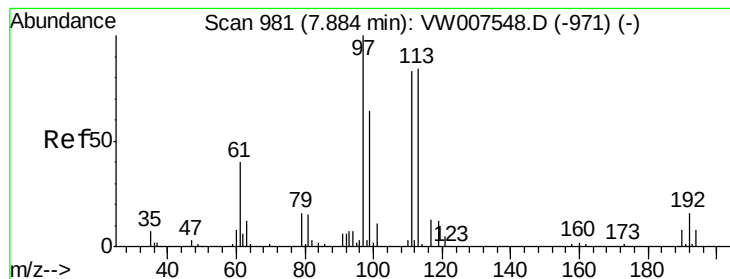
Tgt Ion: 65 Resp: 37458
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007584.D
 Acq: 15 Dec 2018 16:09

Tgt Ion: 114 Resp: 83818
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.6
 88 16.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 65.619 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007584.D

Acq: 15 Dec 2018 16:09

Instrument :

MSVOA_W

ClientSampleId :

P001-SS005-0002-01

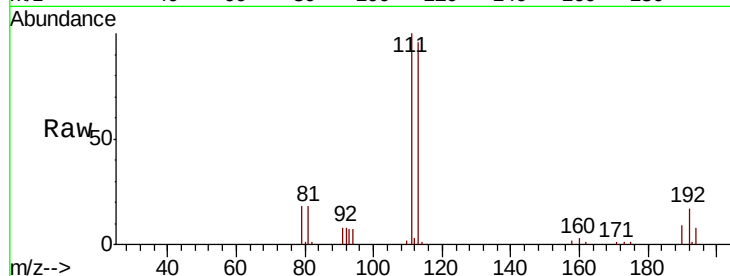
Tgt Ion:113 Resp: 33294

Ion Ratio Lower Upper

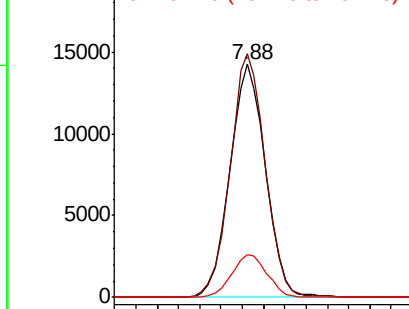
113 100

111 103.0 81.1 121.7

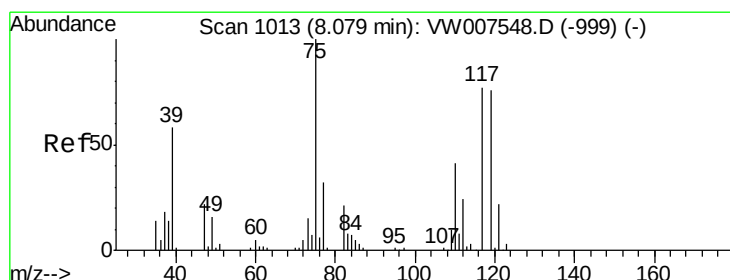
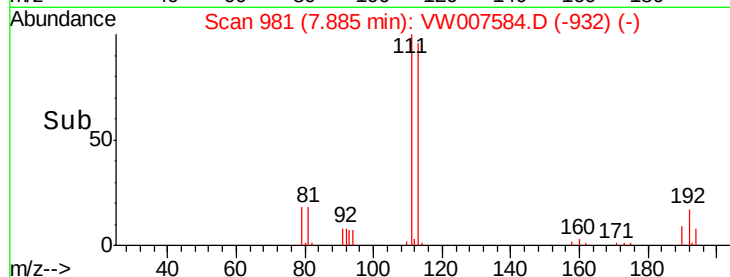
192 18.2 14.6 21.8



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



Time-->



#36

1,1-Dichloropropene

Concen: 5.378 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007584.D

Acq: 15 Dec 2018 16:09

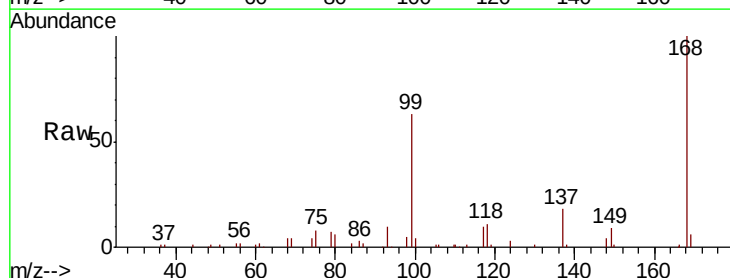
Tgt Ion: 75 Resp: 4112

Ion Ratio Lower Upper

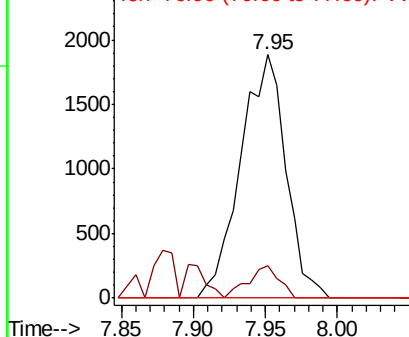
75 100

110 9.2 18.5 55.5#

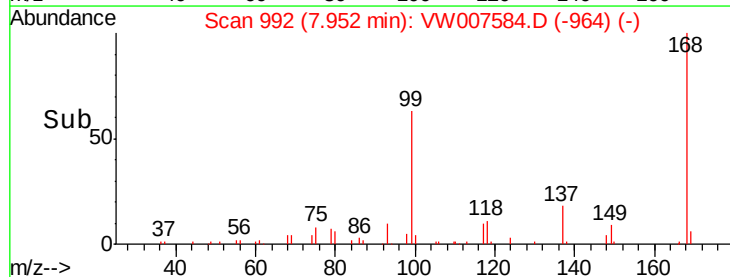
77 0.0 25.6 38.4#

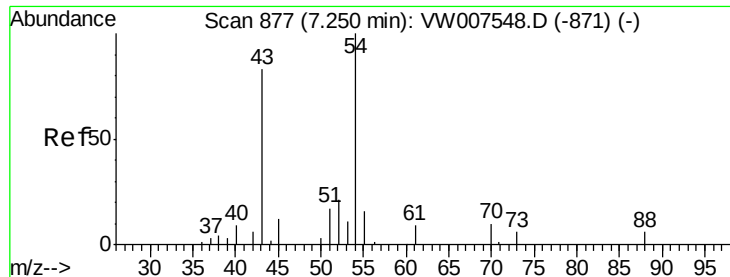


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW



Time-->

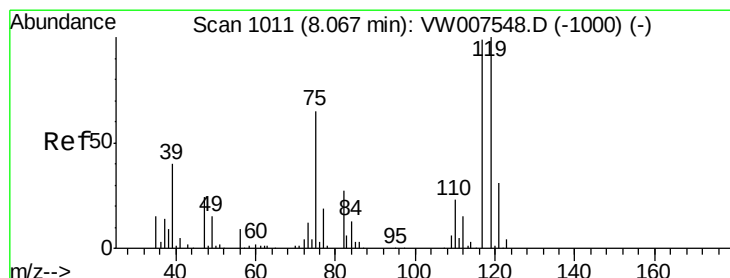
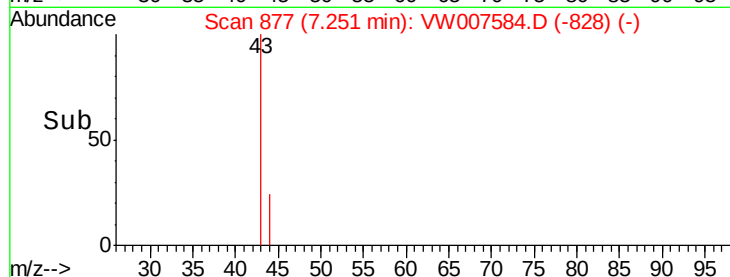
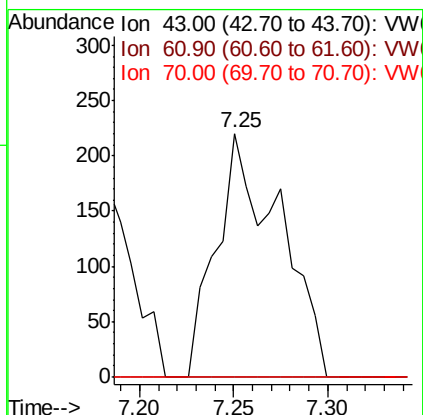
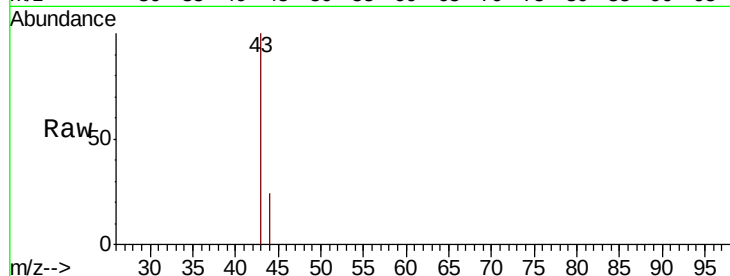




#37
Ethyl Acetate
Concen: 1.807 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007584.D
Acq: 15 Dec 2018 16:09

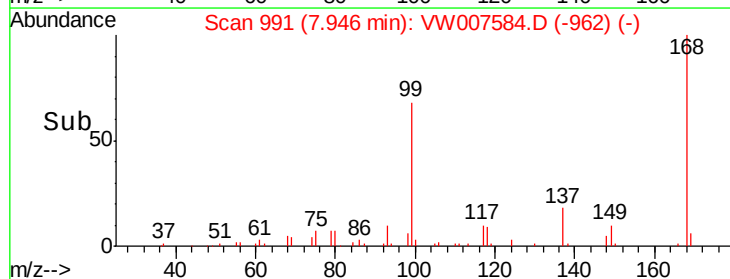
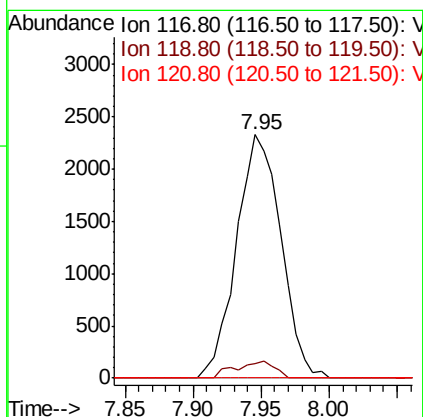
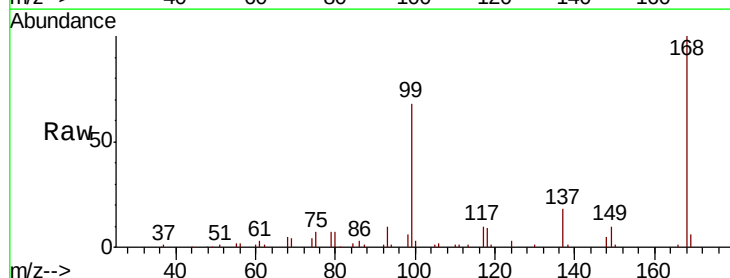
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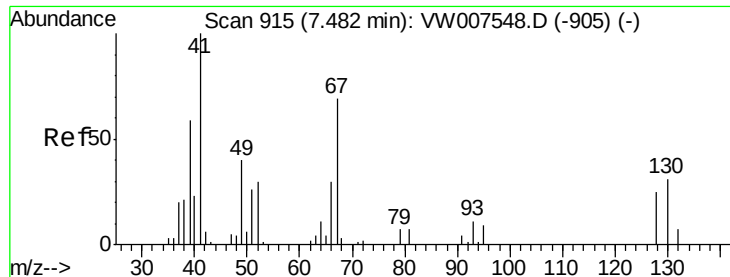
Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 6.388 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007584.D
Acq: 15 Dec 2018 16:09

Tgt Ion: 117 Resp: 5315
Ion Ratio Lower Upper
117 100
119 5.9 74.3 111.5#
121 0.0 24.3 36.5#

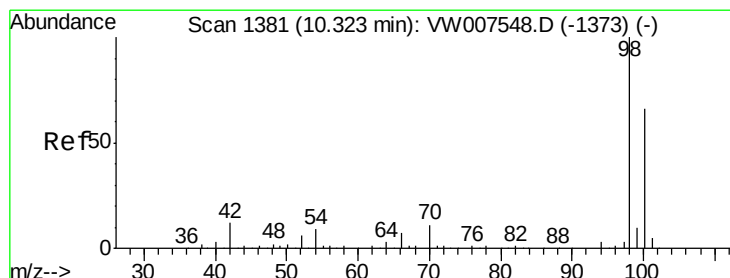
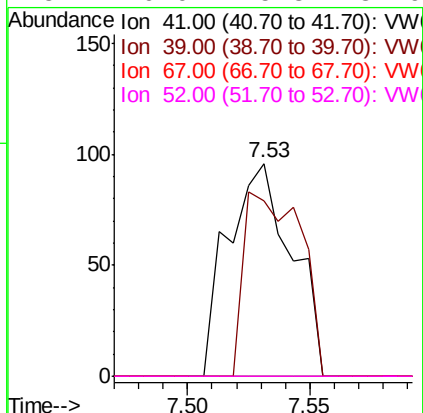
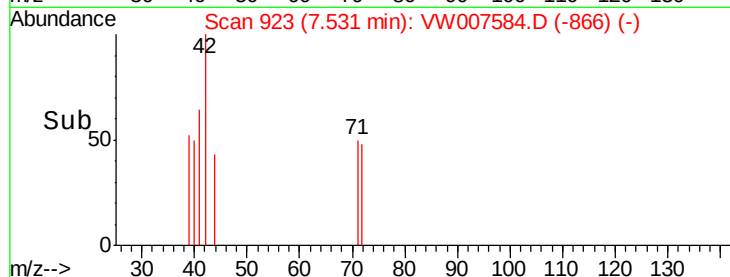
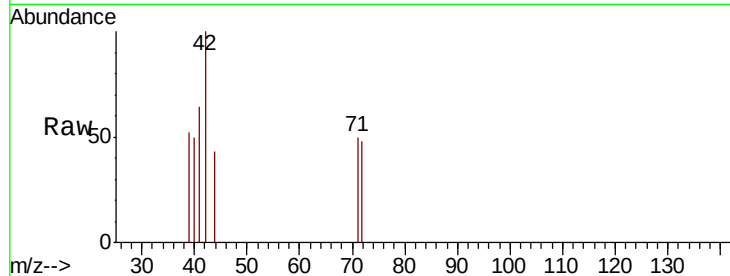




#41
Methacrylonitrile
Concen: 1.074 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW007584.D
Acq: 15 Dec 2018 16:09

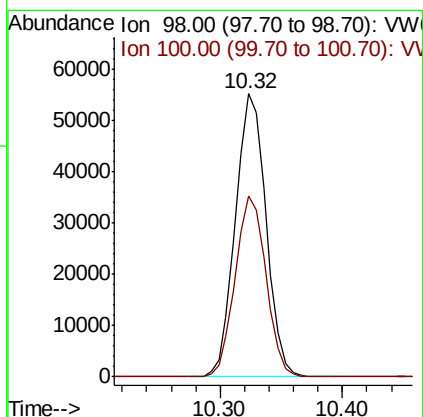
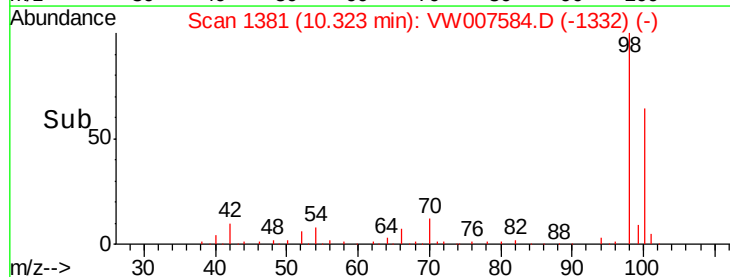
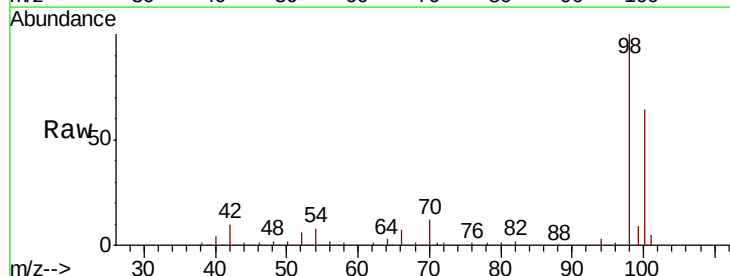
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MSVOA_W
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P001-SS005-0002-01

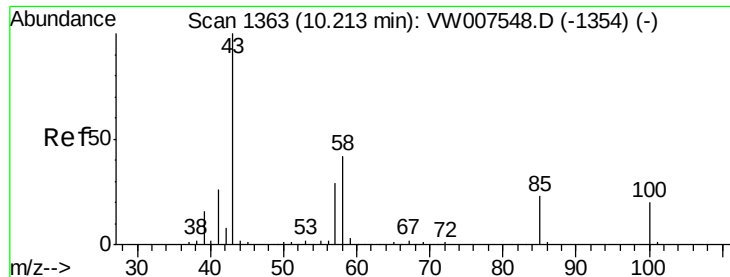
Tgt Ion: 41 Resp: 174
Ion Ratio Lower Upper
41 100
39 76.4 52.2 78.2
67 0.0 60.5 90.7#
52 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 50.193 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007584.D
Acq: 15 Dec 2018 16:09

Tgt Ion: 98 Resp: 95488
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.473 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007584.D

Acq: 15 Dec 2018 16:09

Instrument :

MSVOA_W

ClientSampleId :

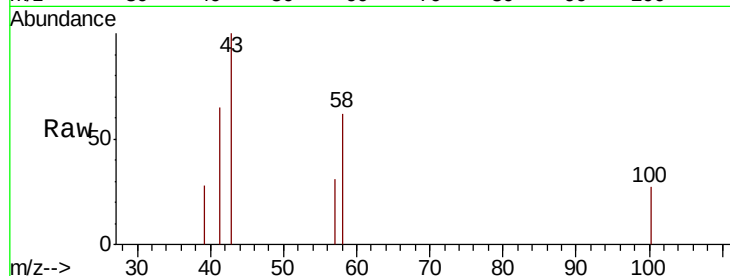
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Tgt Ion: 43 Resp: 391

Ion Ratio Lower Upper

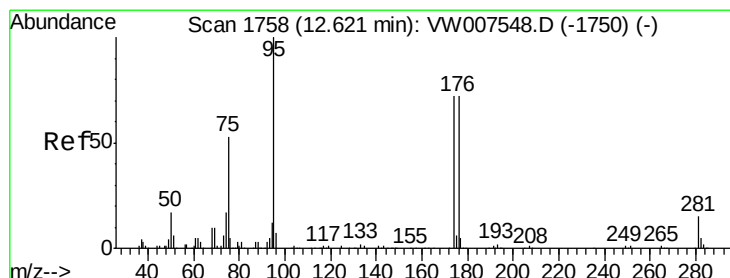
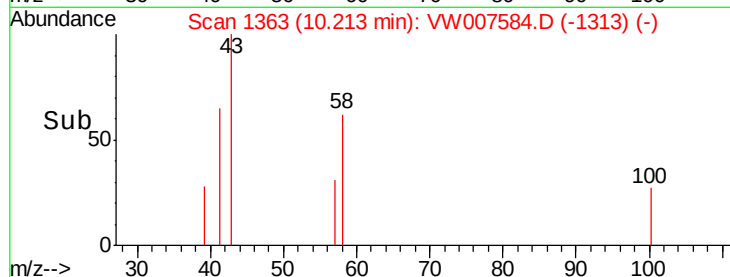
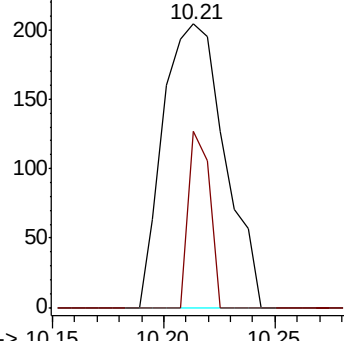
43 100

58 21.7 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 19.977 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007584.D

Acq: 15 Dec 2018 16:09

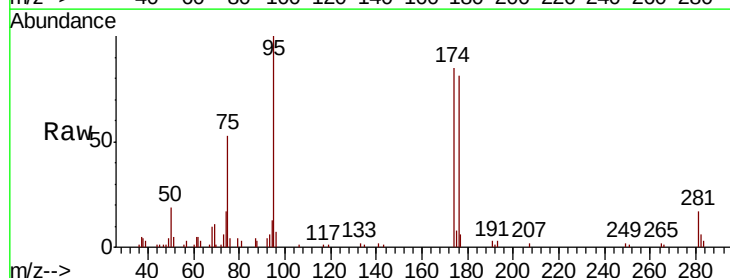
Tgt Ion: 95 Resp: 13973

Ion Ratio Lower Upper

95 100

174 73.9 0.0 147.2

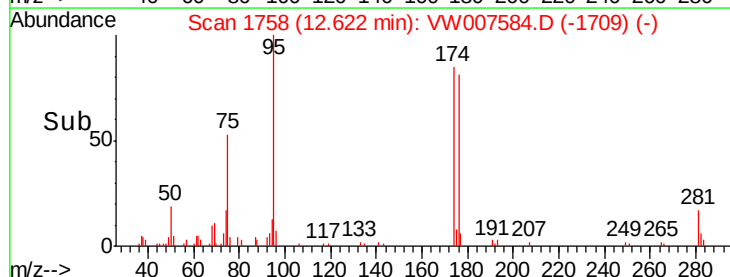
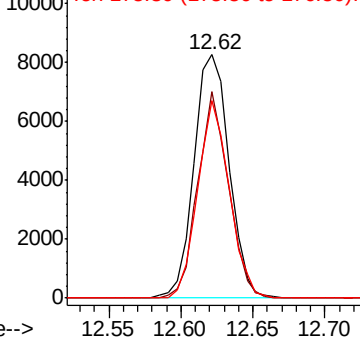
176 72.8 0.0 138.8

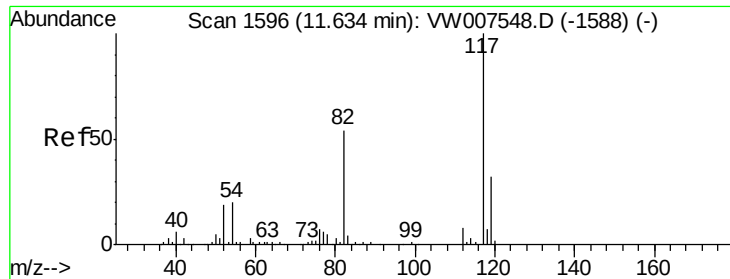


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

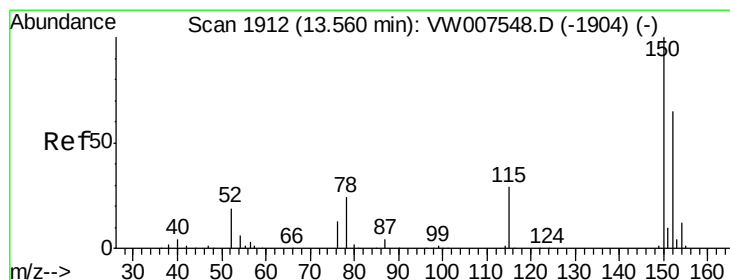
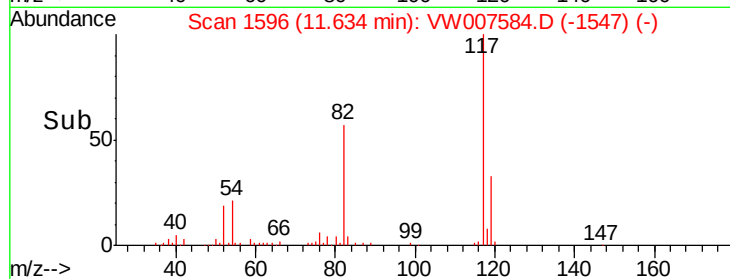
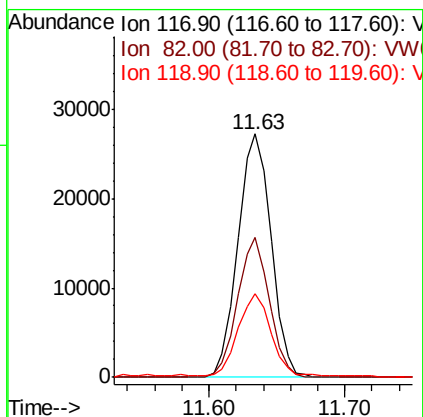
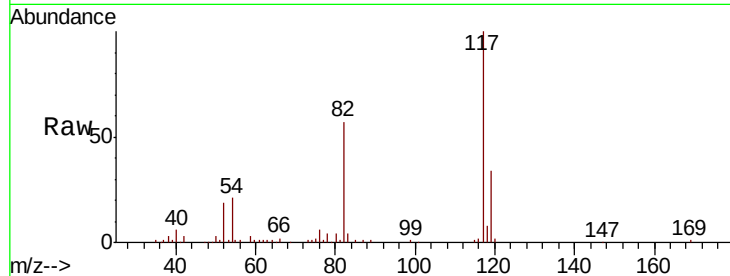




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007584.D
Acq: 15 Dec 2018 16:09

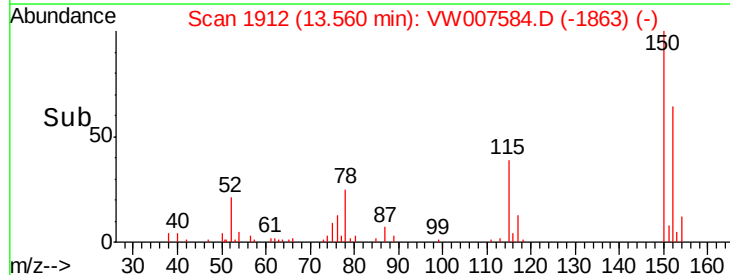
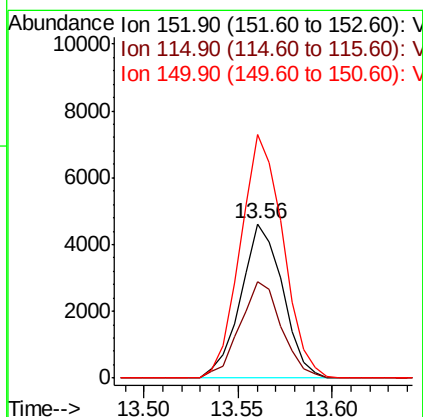
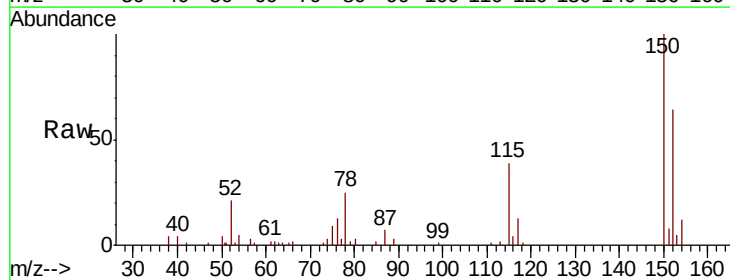
Instrument :
MSVOA_W
ClientSampleId :
P001-SS005-0002-01

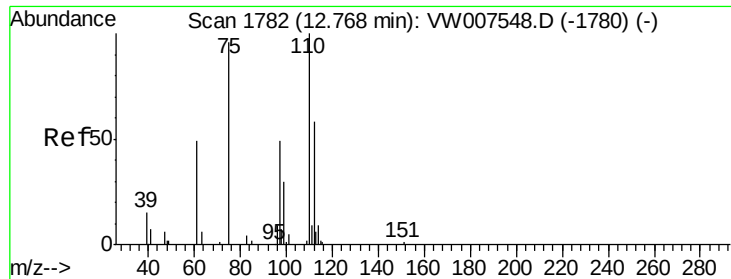
Tgt Ion:117 Resp: 46399
Ion Ratio Lower Upper
117 100
82 57.5 42.3 63.5
119 33.6 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007584.D
Acq: 15 Dec 2018 16:09

Tgt Ion:152 Resp: 7126
Ion Ratio Lower Upper
152 100
115 62.0 31.4 94.2
150 160.0 0.0 358.4





#76

1,2,3-Trichloropropane

Concen: 127.647 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007584.D

Acq: 15 Dec 2018 16:09

Instrument :

MSVOA_W

ClientSampleId :

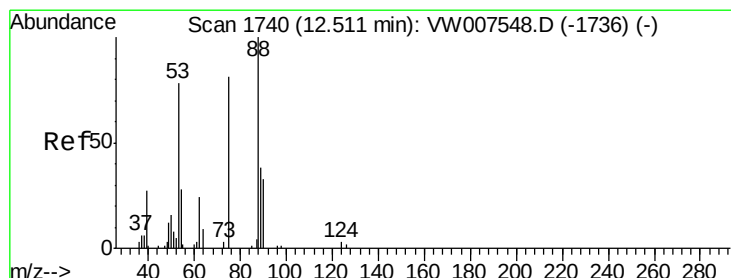
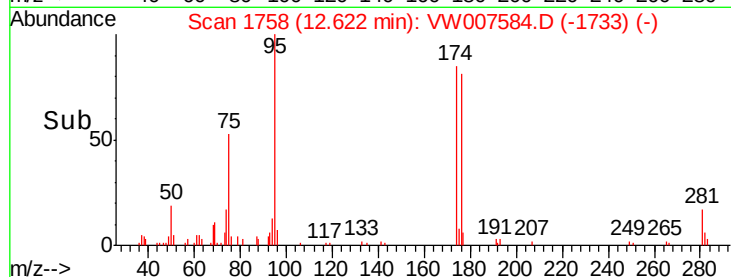
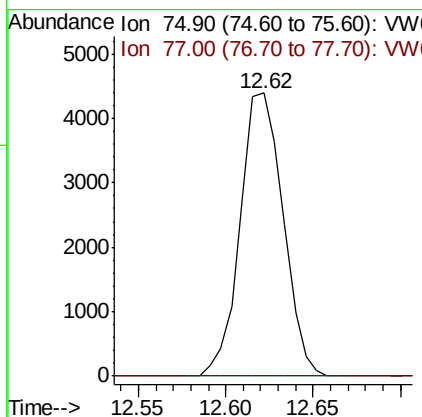
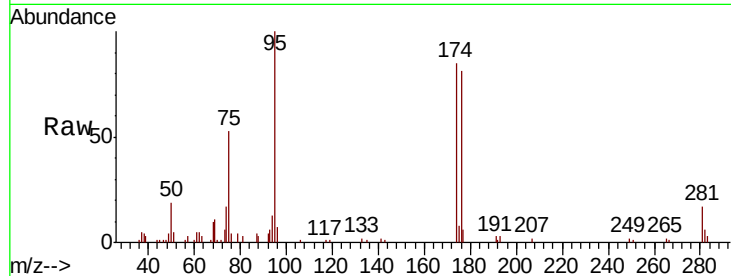
P001-SS005-0002-01

Tgt Ion: 75 Resp: 7500

Ion Ratio Lower Upper

75 100

77 0.0 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 281.973 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007584.D

Acq: 15 Dec 2018 16:09

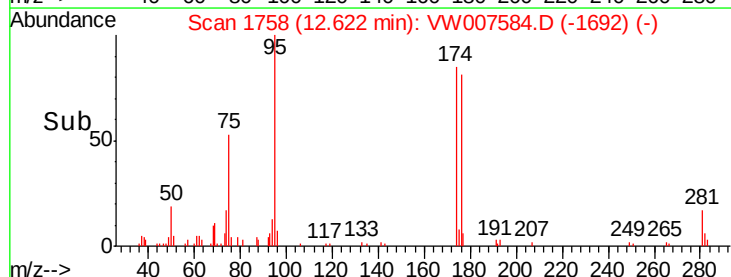
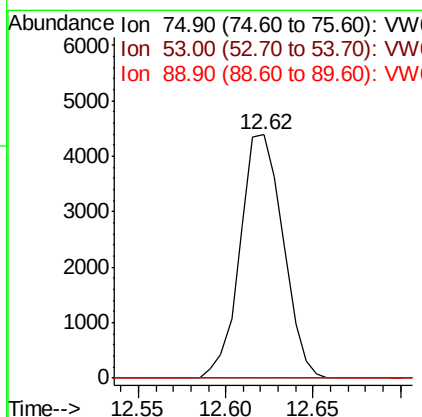
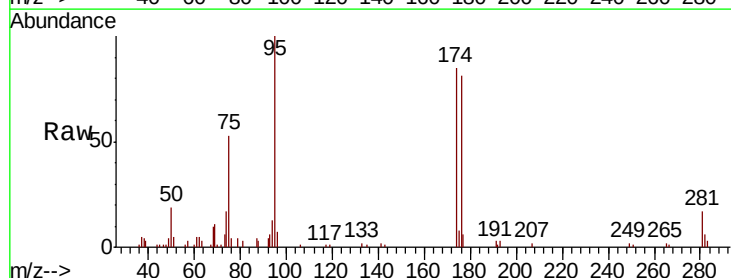
Tgt Ion: 75 Resp: 7500

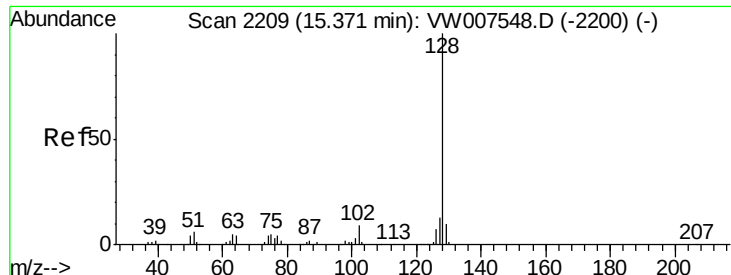
Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#





#95

Naphthalene

Concen: 1.434 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW007584.D

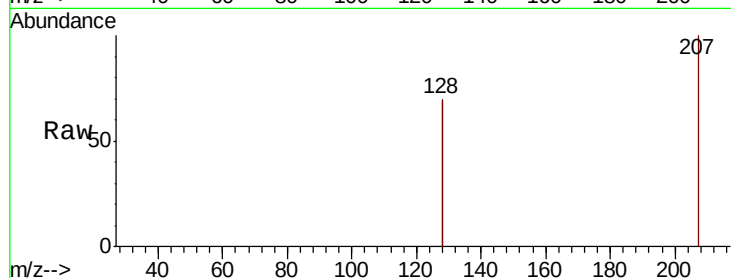
Acq: 15 Dec 2018 16:09

Instrument :

MSVOA_W

ClientSampleId :

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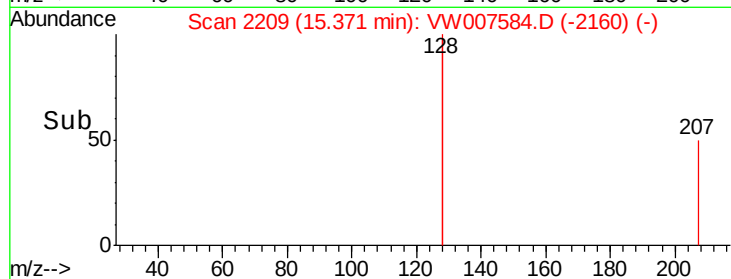
Tgt Ion:128 Resp: 408

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.3 12.5#



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

