

Data File : VW012169.D
Acq On : 26 Aug 2019 13:48
Operator : SY/VA
Sample : K4524-01
Misc : 4.2G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TT-014-IDWSO-20190823

Quant Time: Aug 27 04:50:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119830	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134564	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
35) Dibromofluoromethane	7.88	113	108977	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.32	98	429920	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.62	95	136162	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	

Target Compounds

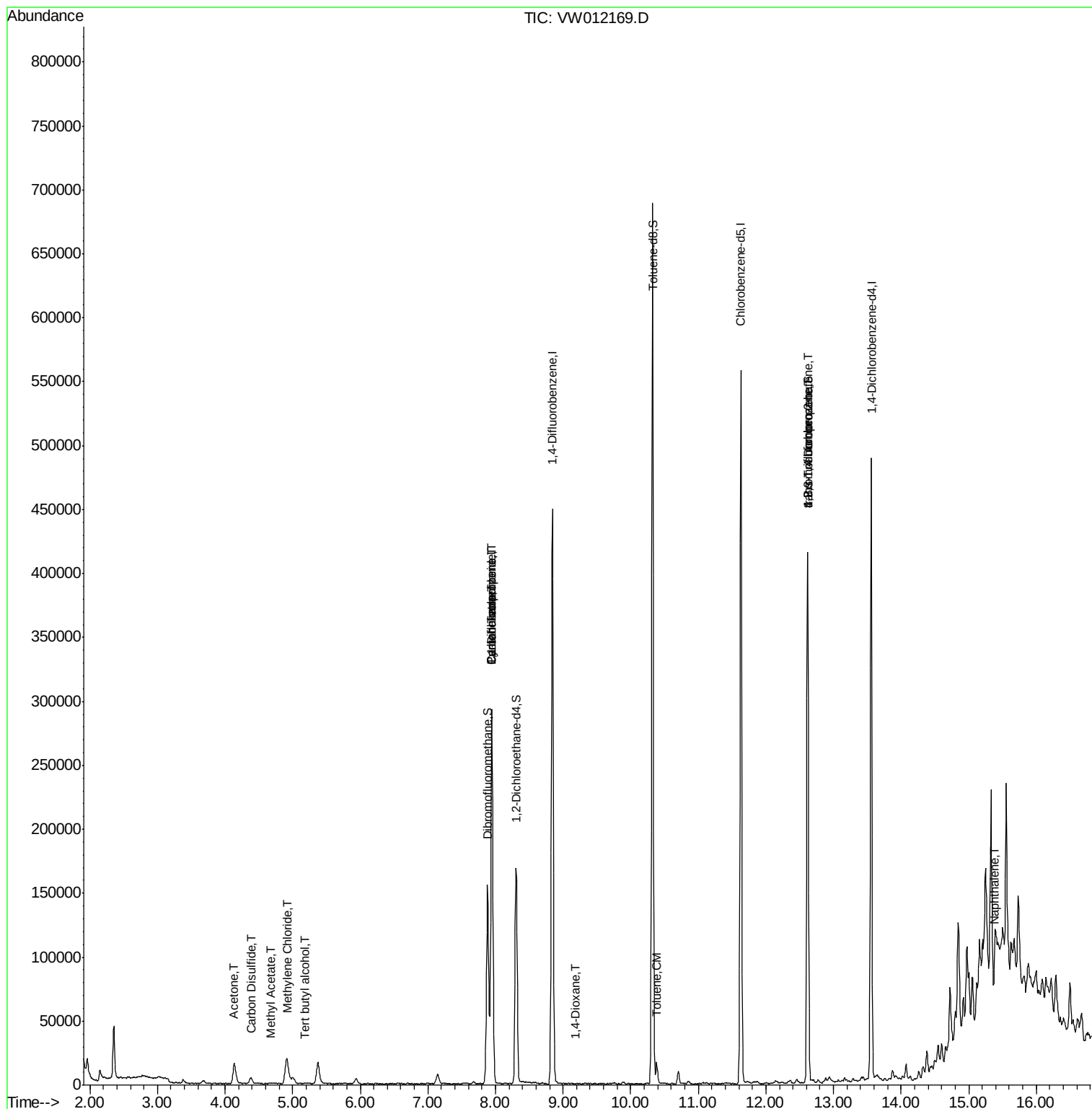
						Qvalue
11) Tert butyl alcohol	5.18	59	567	3.795	ug/l	98
16) Acetone	4.14	43	32872	51.795	ug/l	93
17) Carbon Disulfide	4.38	76	10277	1.623	ug/l	96
18) Methyl Acetate	4.67	43	2010	1.279	ug/l #	57
20) Methylene Chloride	4.92	84	15631	6.515	ug/l	98
31) Cyclohexane	7.95	56	5517	1.234	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18790	5.169	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21697	6.896	ug/l #	17
49) 1,4-Dioxane	9.19	88	19	1.044	ug/l #	1
52) Toluene	10.39	92	6414	1.076	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	73542	63.015	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73542	138.162	ug/l #	6
95) Naphthalene	15.37	128	369	4.396	ug/l #	69

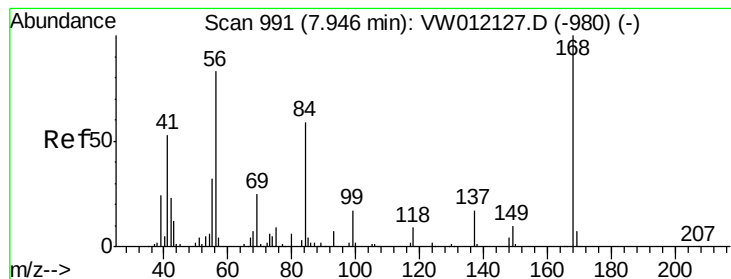
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

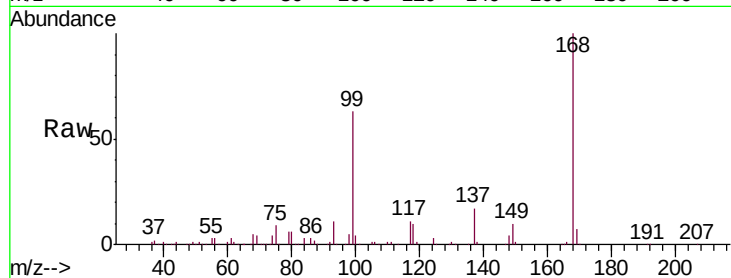
TT-014-IDWSO-20190823

Tgt Ion: 168 Resp: 208857

Ion Ratio Lower Upper

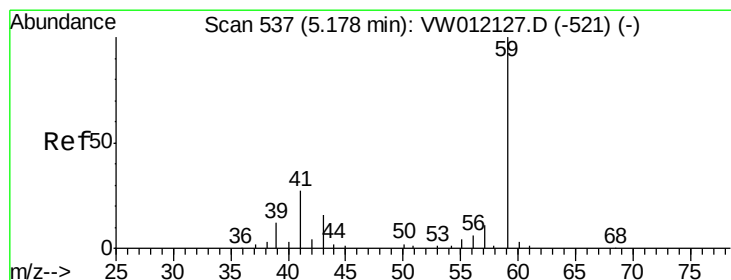
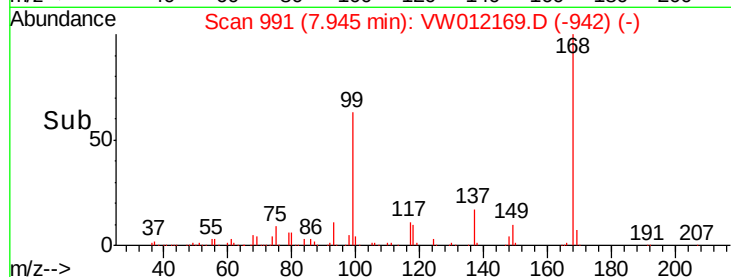
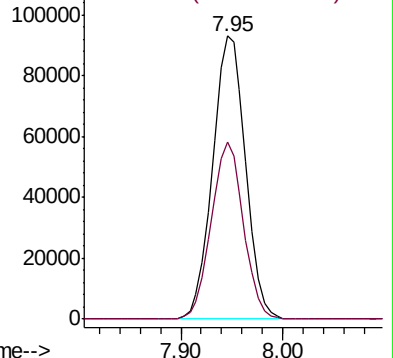
168 100

99 62.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.795 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.00 min

Lab File: VW012169.D

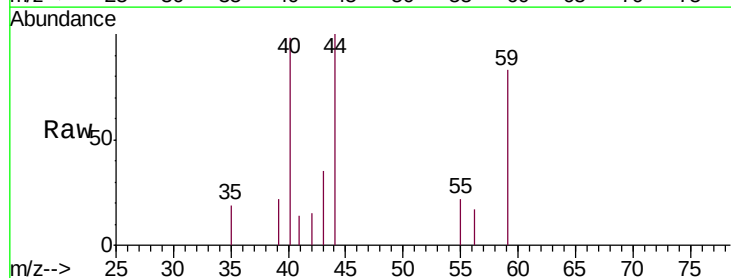
Acq: 26 Aug 2019 13:48

Tgt Ion: 59 Resp: 567

Ion Ratio Lower Upper

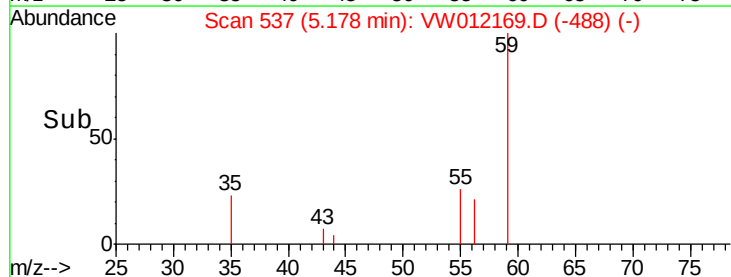
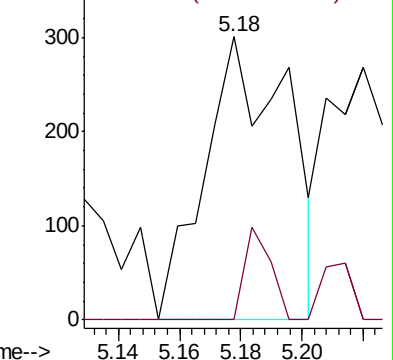
59 100

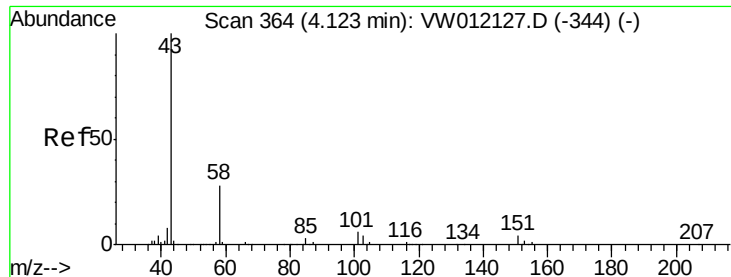
57 10.4 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 51.795 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

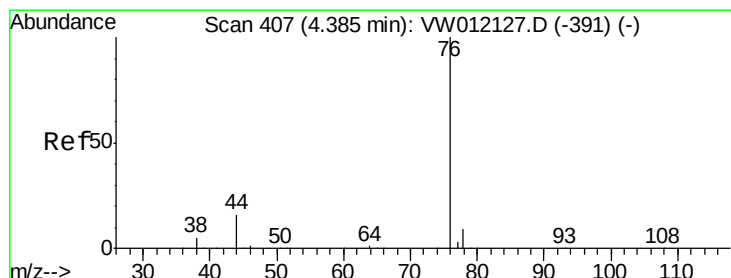
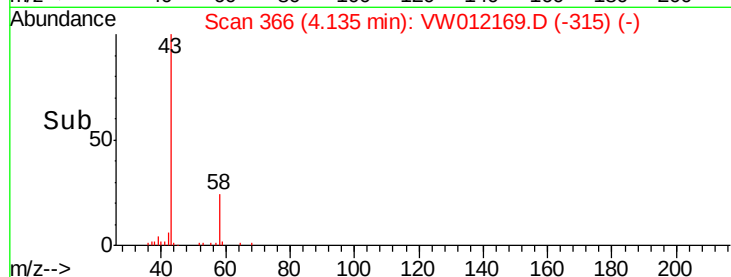
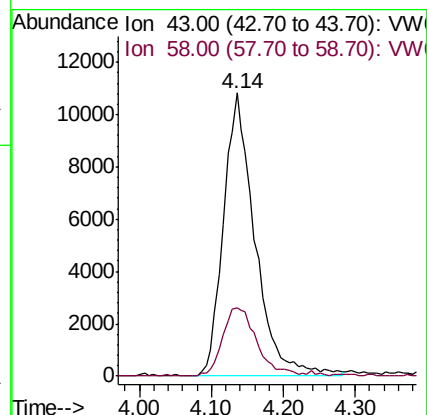
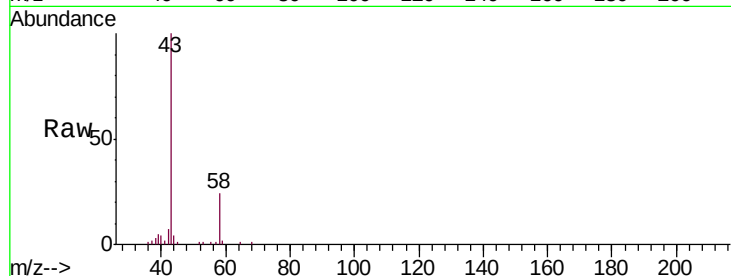
TT-014-IDWSO-20190823

Tgt Ion: 43 Resp: 32872

Ion Ratio Lower Upper

43 100

58 24.1 22.4 33.6



#17

Carbon Disulfide

Concen: 1.623 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012169.D

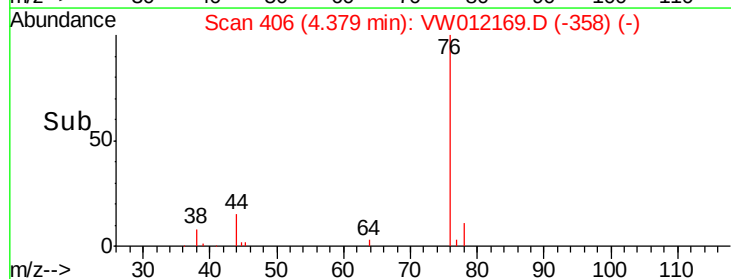
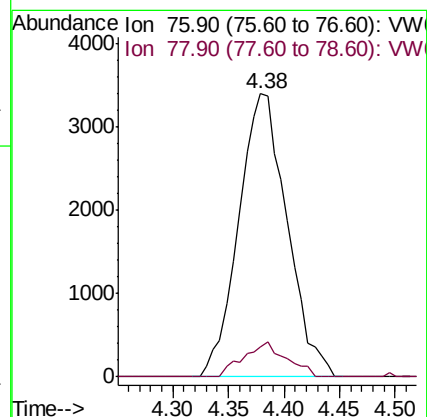
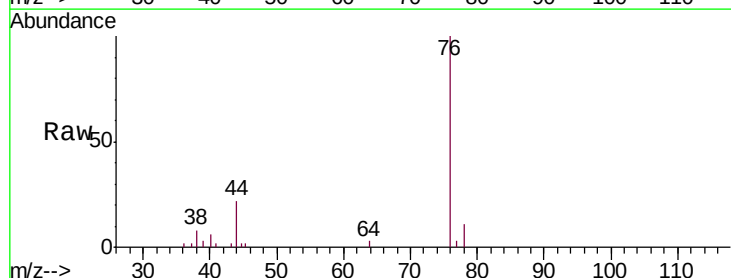
Acq: 26 Aug 2019 13:48

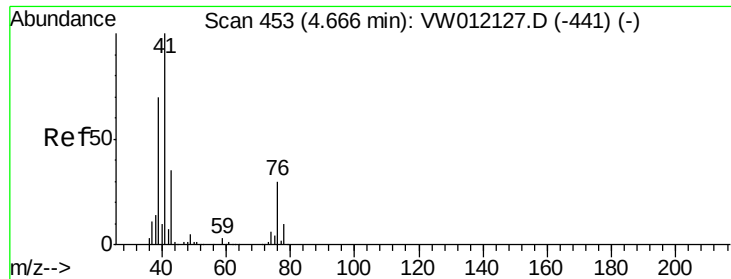
Tgt Ion: 76 Resp: 10277

Ion Ratio Lower Upper

76 100

78 10.7 7.3 10.9

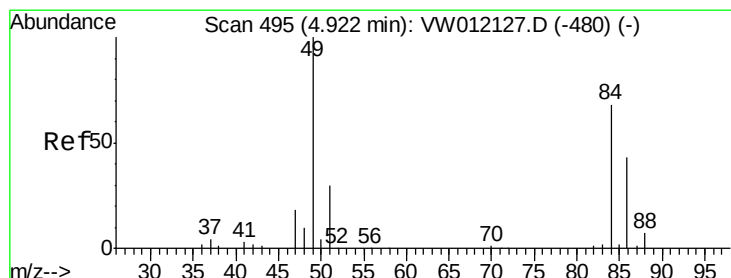
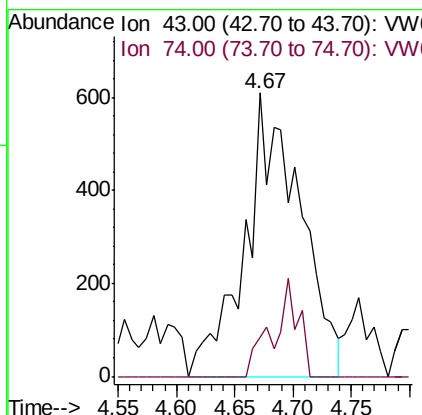
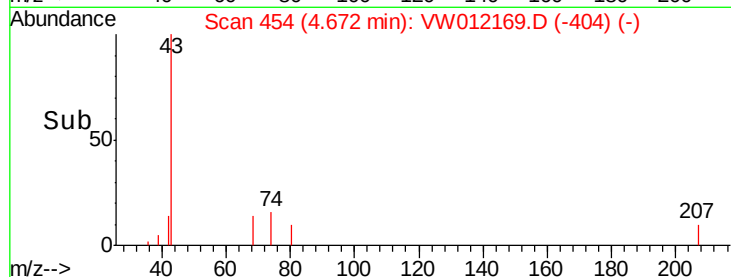
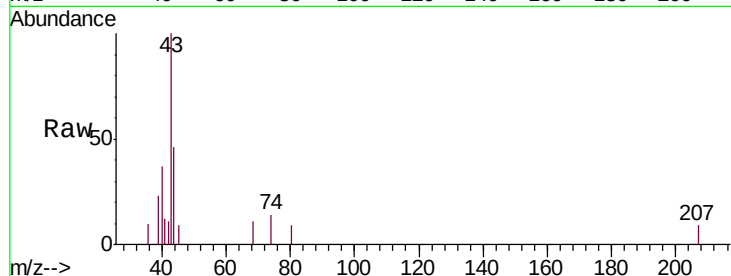




#18
Methyl Acetate
Concen: 1.279 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012169.D
Acq: 26 Aug 2019 13:48

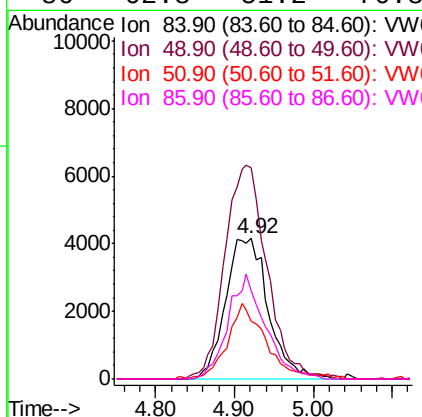
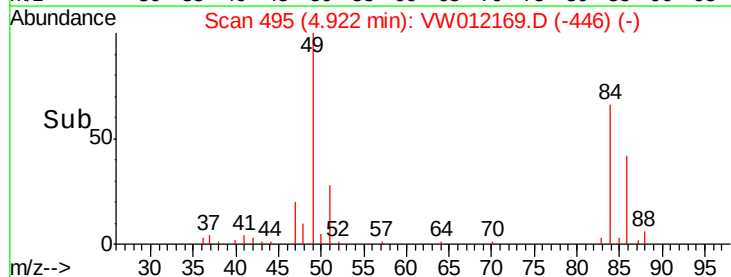
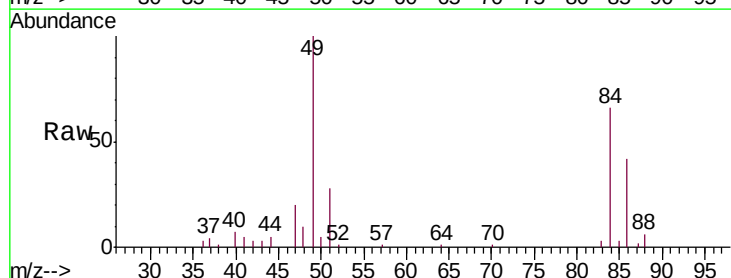
Instrument :
MSVOA_W
ClientSampleId :
TT-014-IDWSO-20190823

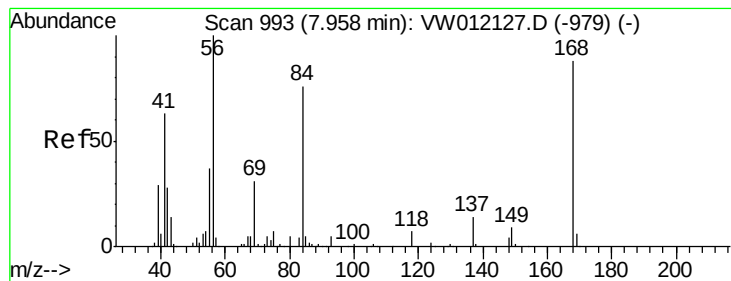
Tgt Ion: 43 Resp: 2010
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#



#20
Methylene Chloride
Concen: 6.515 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012169.D
Acq: 26 Aug 2019 13:48

Tgt Ion: 84 Resp: 15631
Ion Ratio Lower Upper
84 100
49 148.7 117.8 176.8
51 41.4 35.6 53.4
86 62.8 51.2 76.8





#31

Cyclohexane

Concen: 1.234 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

TT-014-IDWSO-20190823

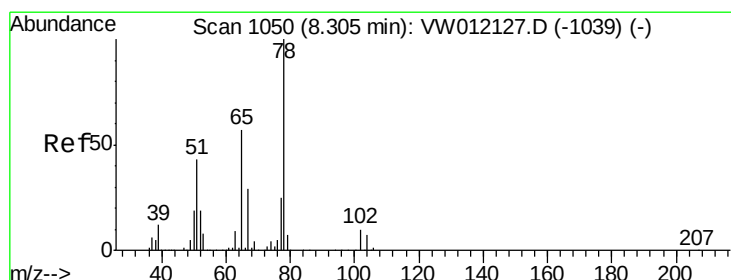
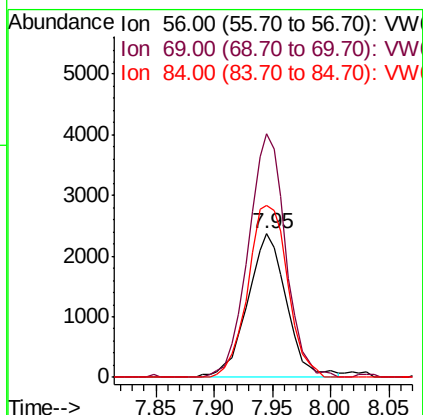
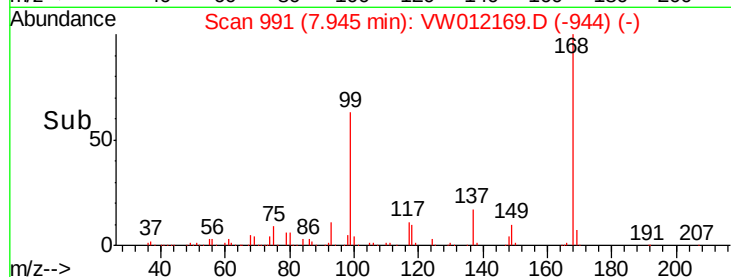
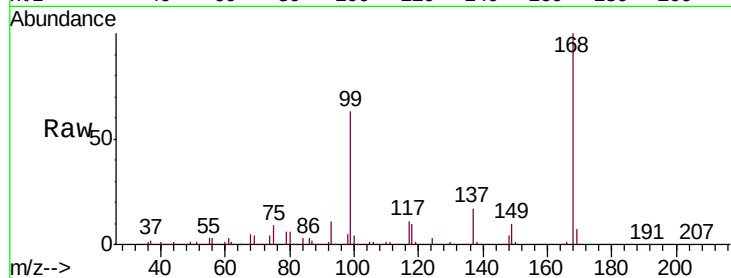
Tgt Ion: 56 Resp: 5517

Ion Ratio Lower Upper

56 100

69 169.6 24.9 37.3#

84 119.8 60.6 90.8#



#33

1,2-Dichloroethane-d4

Concen: 54.198 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012169.D

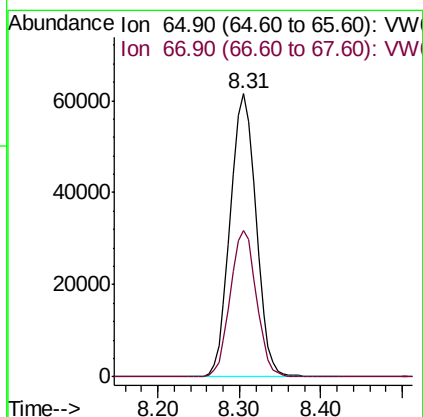
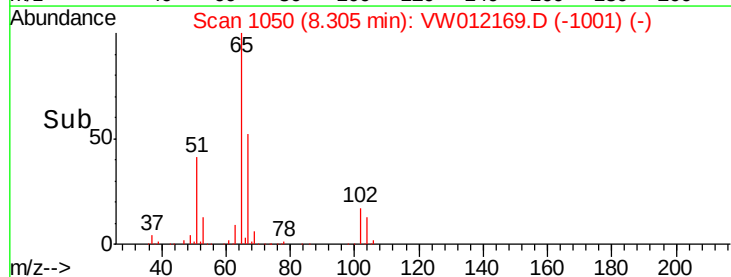
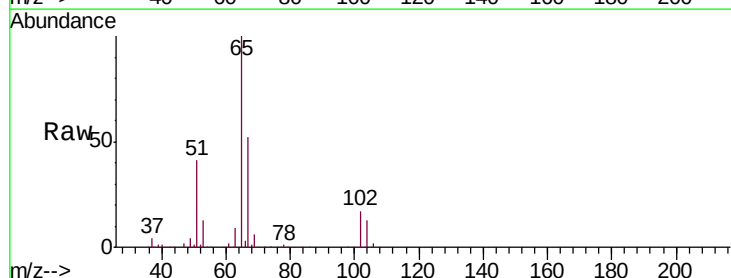
Acq: 26 Aug 2019 13:48

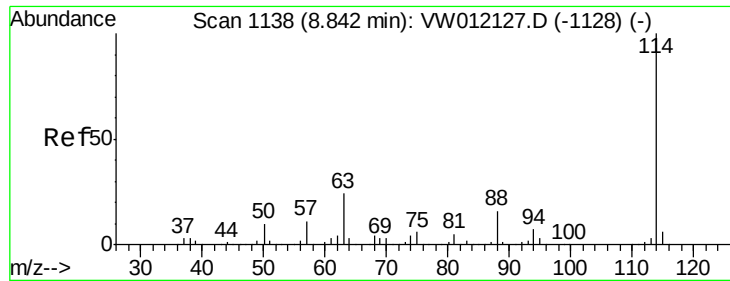
Tgt Ion: 65 Resp: 134564

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.6

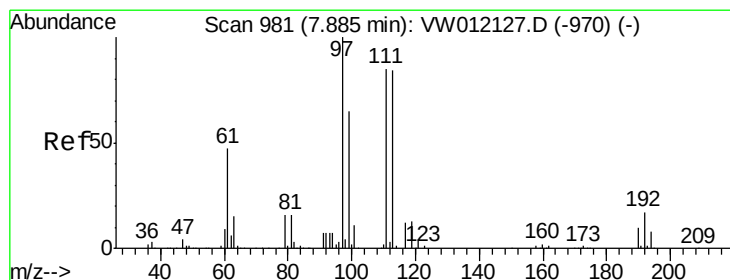
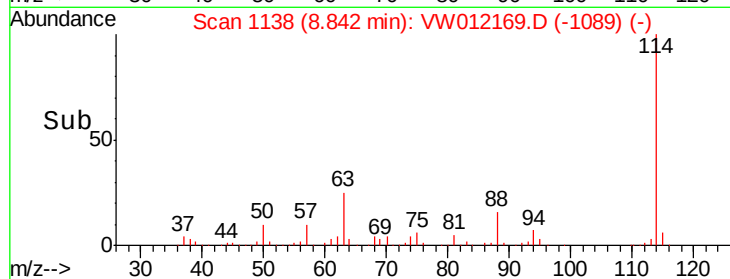
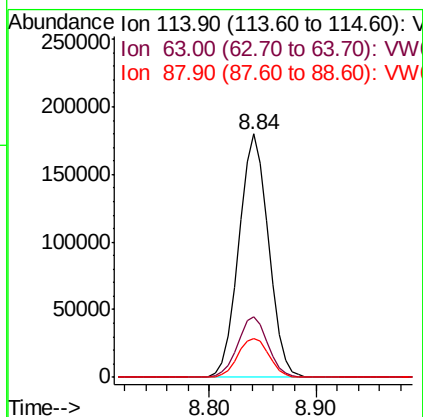
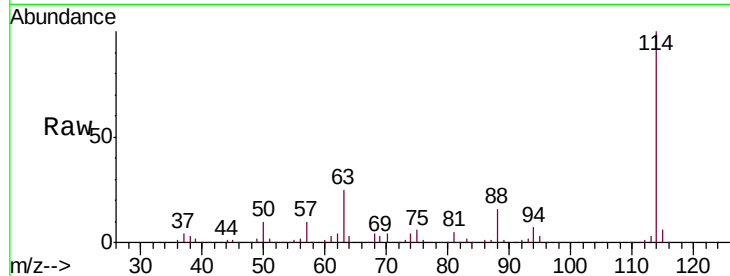




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012169.D
 Acq: 26 Aug 2019 13:48

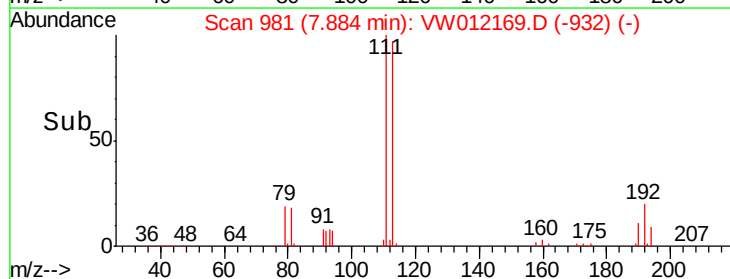
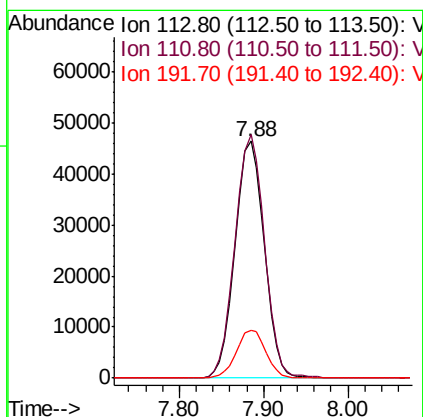
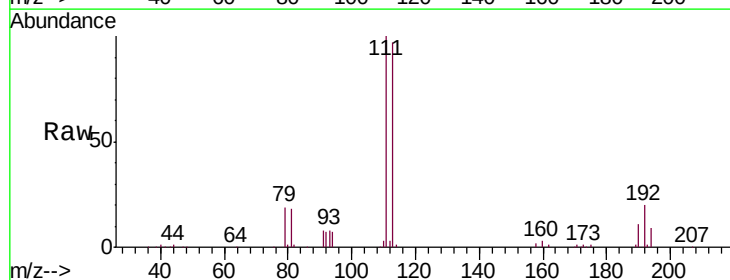
Instrument :
 MSVOA_W
 ClientSampleId :
 TT-014-IDWSO-20190823

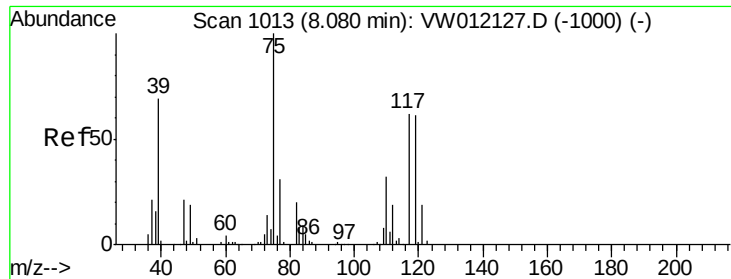
Tgt Ion:114 Resp: 351752
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 16.1 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 51.903 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012169.D
 Acq: 26 Aug 2019 13:48

Tgt Ion:113 Resp: 108977
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.7 124.1
 192 20.5 16.2 24.2





#36

1,1-Dichloropropene

Concen: 5.169 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

TT-014-IDWSO-20190823

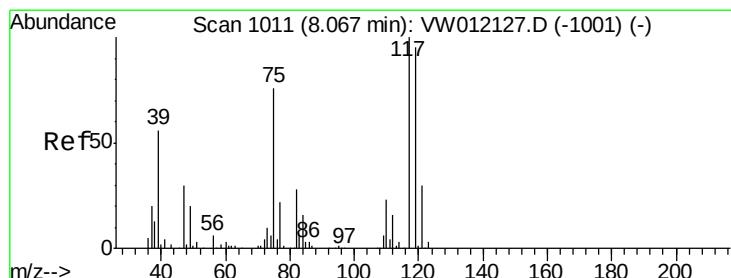
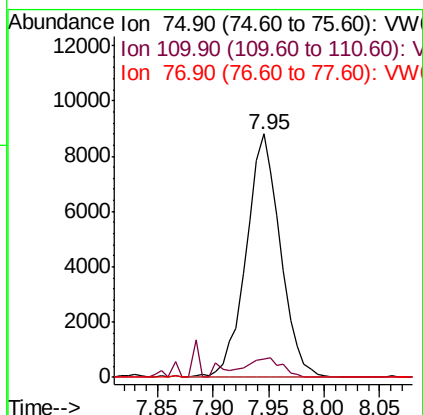
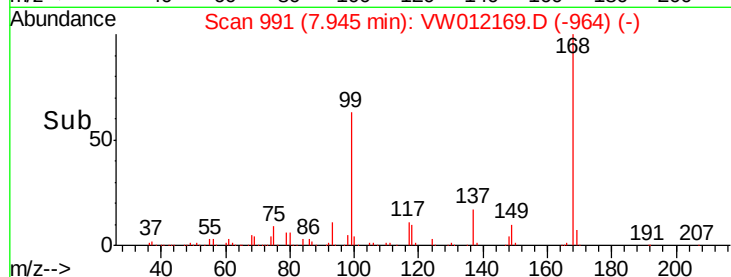
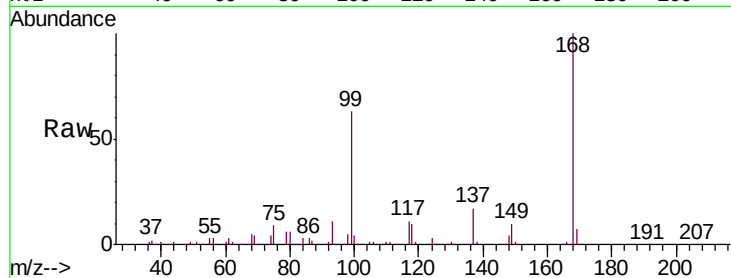
Tgt Ion: 75 Resp: 18790

Ion Ratio Lower Upper

75 100

110 8.3 15.6 46.8#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.896 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

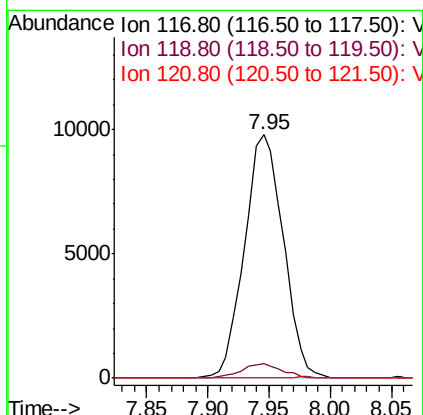
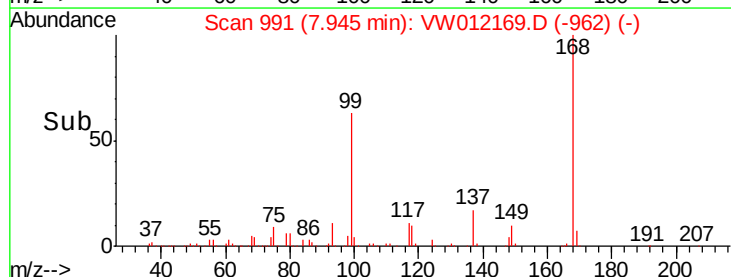
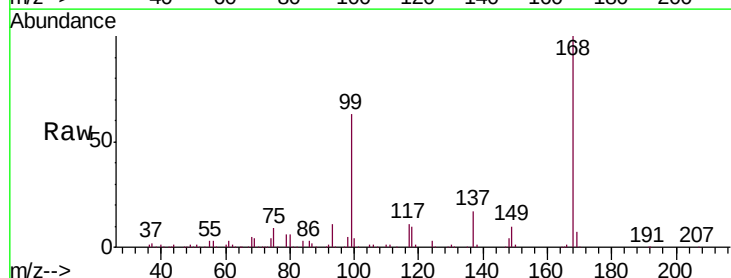
Tgt Ion: 117 Resp: 21697

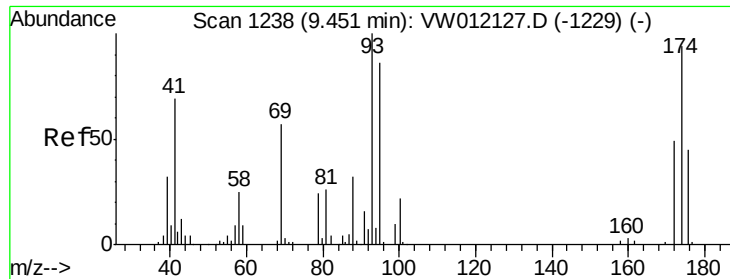
Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.044 ug/l

RT: 9.19 min Scan# 1195

Delta R.T. -0.26 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

Instrument :

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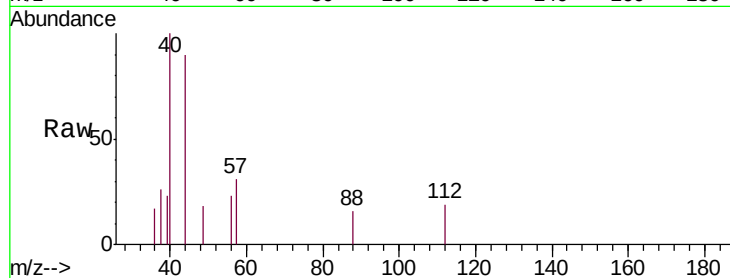
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 231.6 32.9 49.3#

58 0.0 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

150

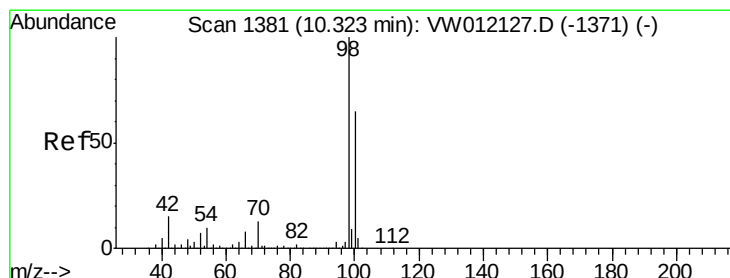
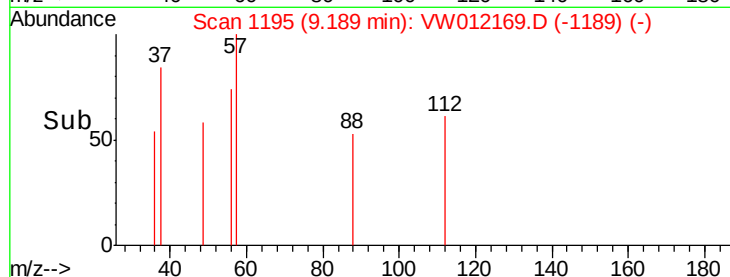
100

50

0

9.17 9.18 9.19 9.20 9.21

Time-->



#50

Toluene-d8

Concen: 50.500 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012169.D

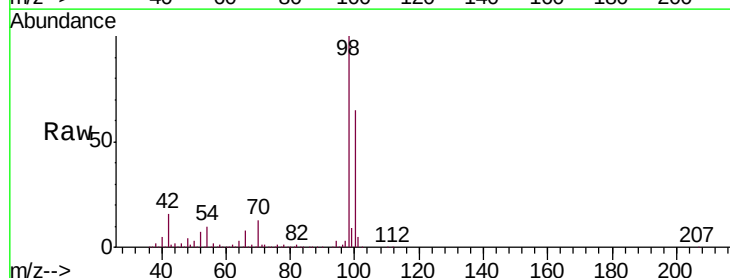
Acq: 26 Aug 2019 13:48

Tgt Ion: 98 Resp: 429920

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

150000

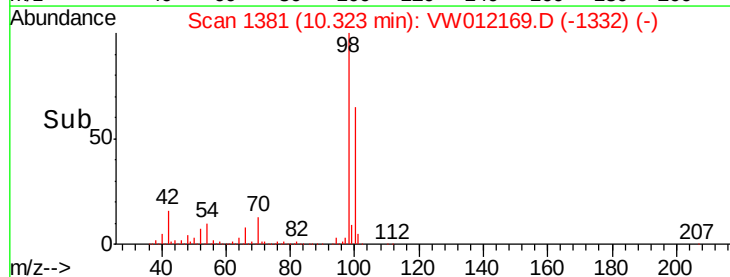
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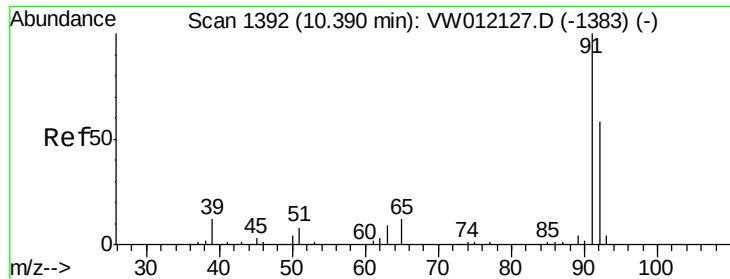
50000

0

10.20 10.30 10.40

Time-->





#52

Toluene

Concen: 1.076 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

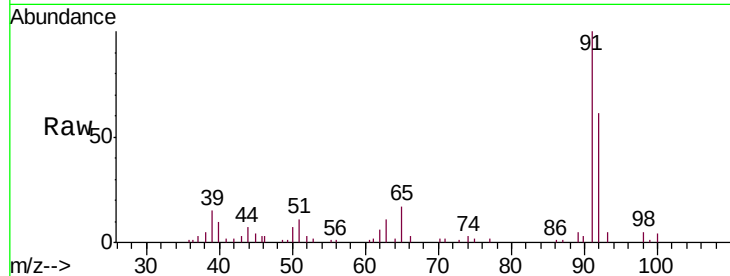
TT-014-IDWSO-20190823

Tgt Ion: 92 Resp: 6414

Ion Ratio Lower Upper

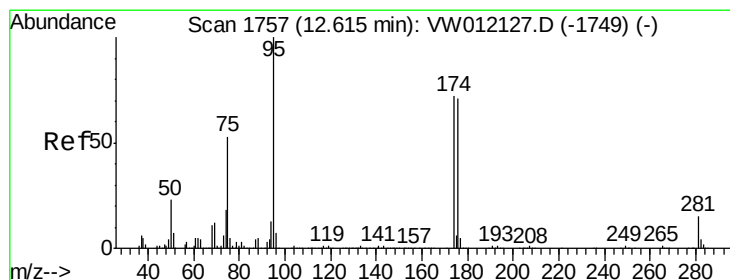
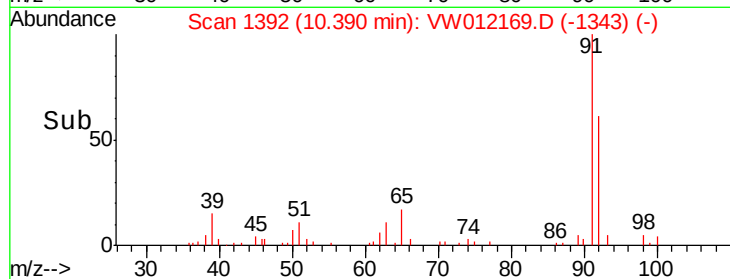
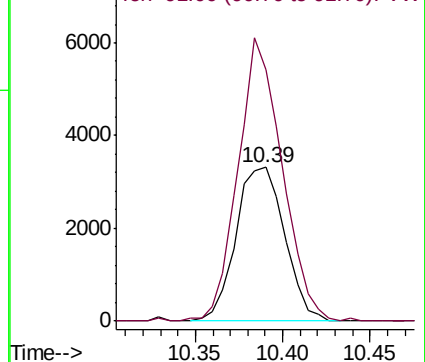
92 100

91 167.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 45.373 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

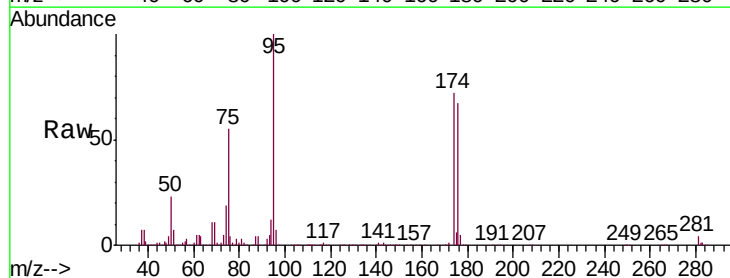
Tgt Ion: 95 Resp: 136162

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.8

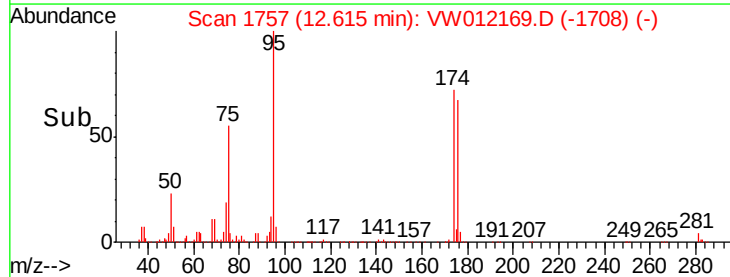
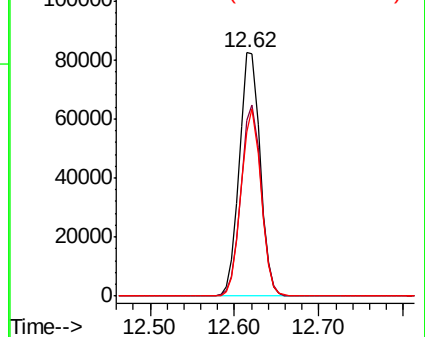
176 73.7 0.0 148.6

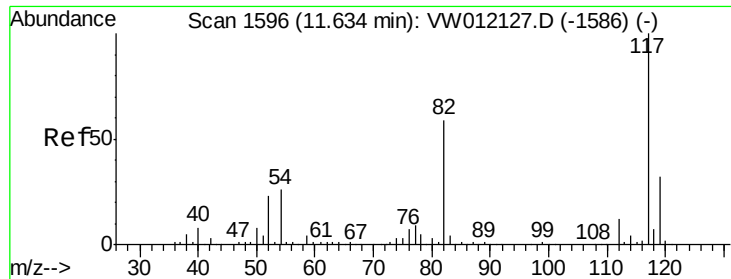


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

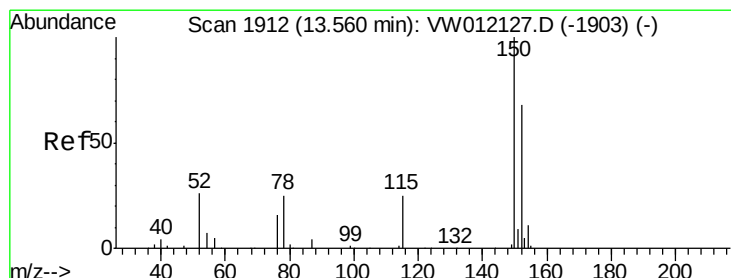
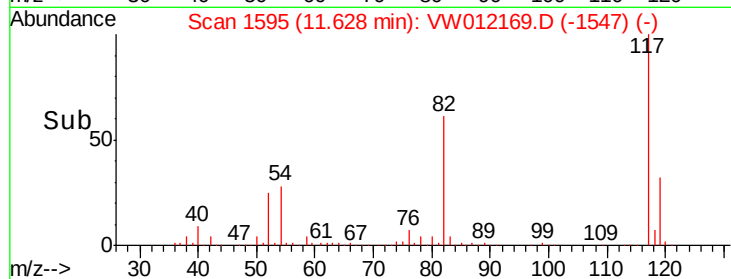
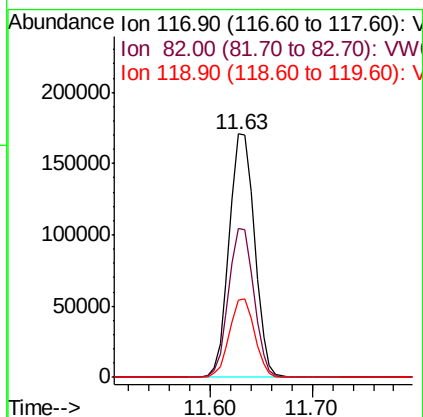
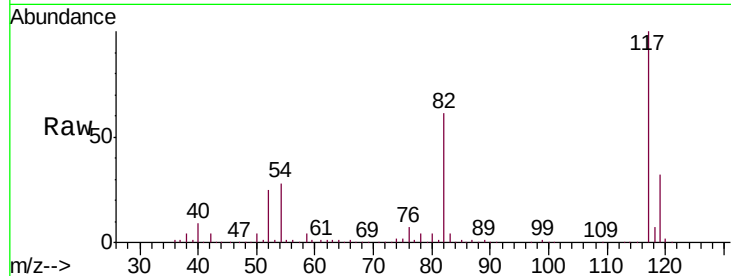




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012169.D
Acq: 26 Aug 2019 13:48

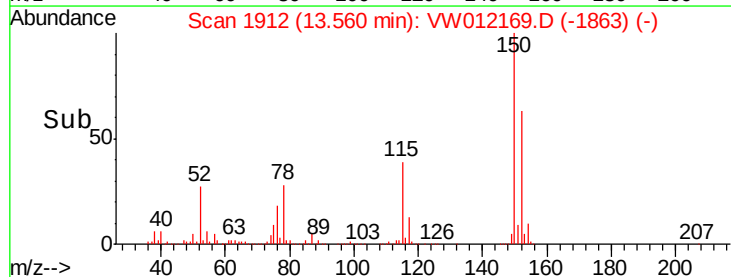
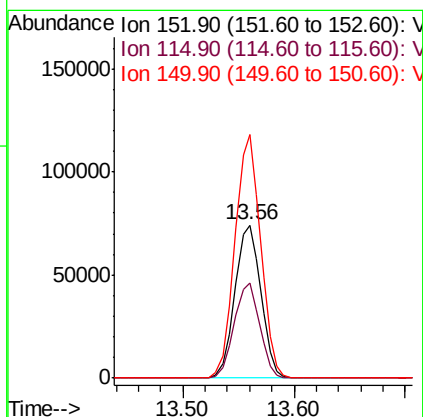
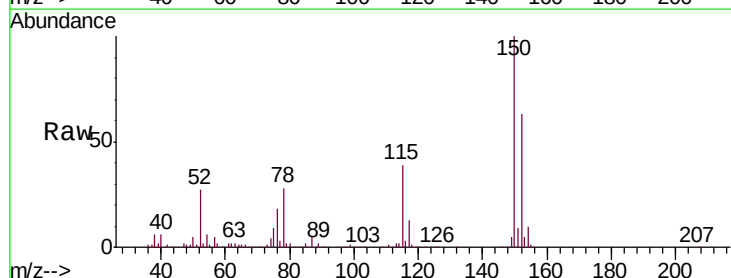
Instrument :
MSVOA_W
ClientSampleId :
TT-014-IDWSO-20190823

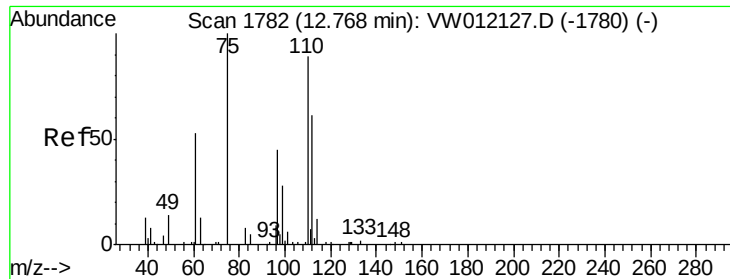
Tgt Ion:117 Resp: 294221
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012169.D
Acq: 26 Aug 2019 13:48

Tgt Ion:152 Resp: 119830
Ion Ratio Lower Upper
152 100
115 61.1 30.1 90.3
150 156.8 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 63.015 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

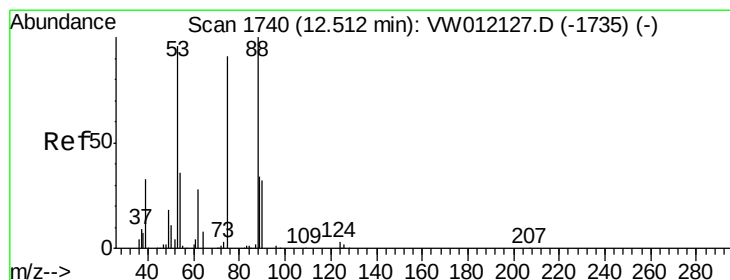
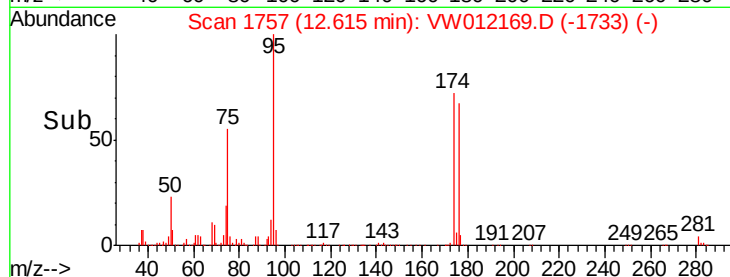
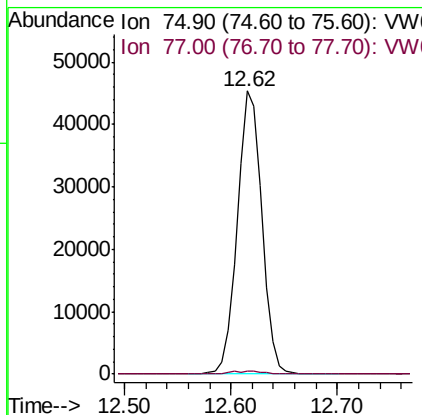
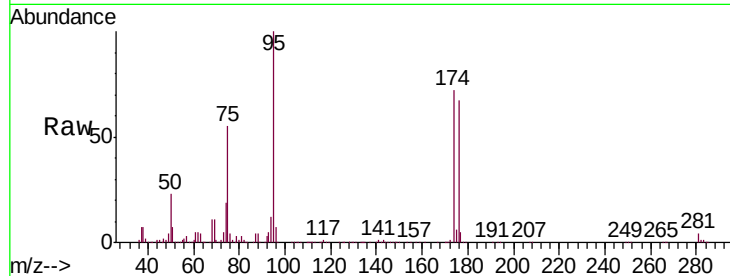
TT-014-IDWSO-20190823

Tgt Ion: 75 Resp: 73542

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.162 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012169.D

Acq: 26 Aug 2019 13:48

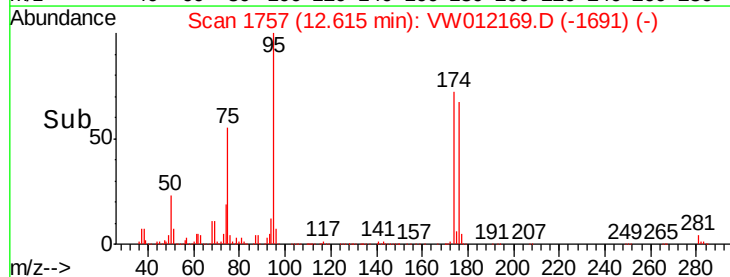
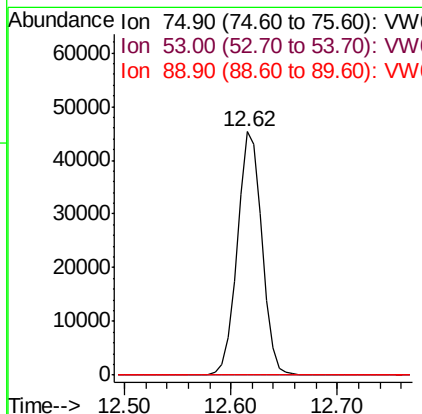
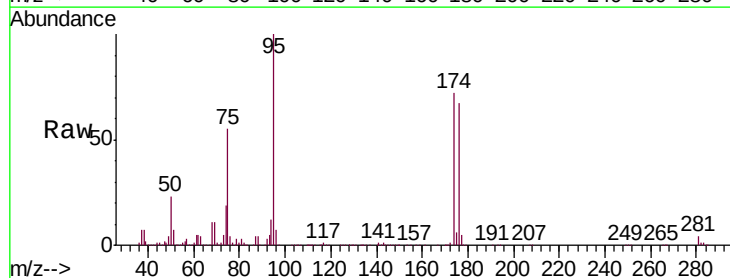
Tgt Ion: 75 Resp: 73542

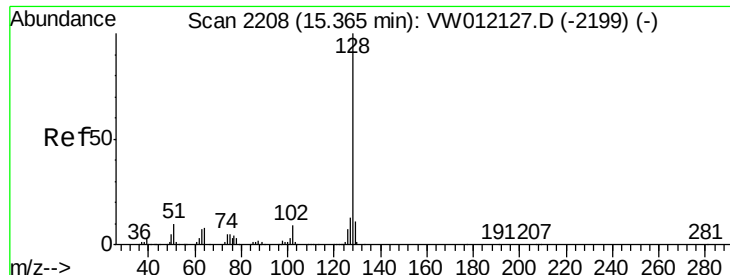
Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

89 0.1 34.5 51.7#





#95
Naphthalene
Concen: 4.396 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012169.D
Acq: 26 Aug 2019 13:48

Instrument :
MSVOA_W
ClientSampleId :
TT-014-IDWSO-20190823

Tgt Ion:128 Resp: 369
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

