

Data File : VW012171.D
Acq On : 26 Aug 2019 14:40
Operator : SY/VA
Sample : K4524-03
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TT-013-IDWSO-20190823

Quant Time: Aug 27 04:51:17 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	212903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	299096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121710	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134907	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
35) Dibromofluoromethane	7.88	113	110207	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
50) Toluene-d8	10.32	98	436866	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.62	95	141761	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

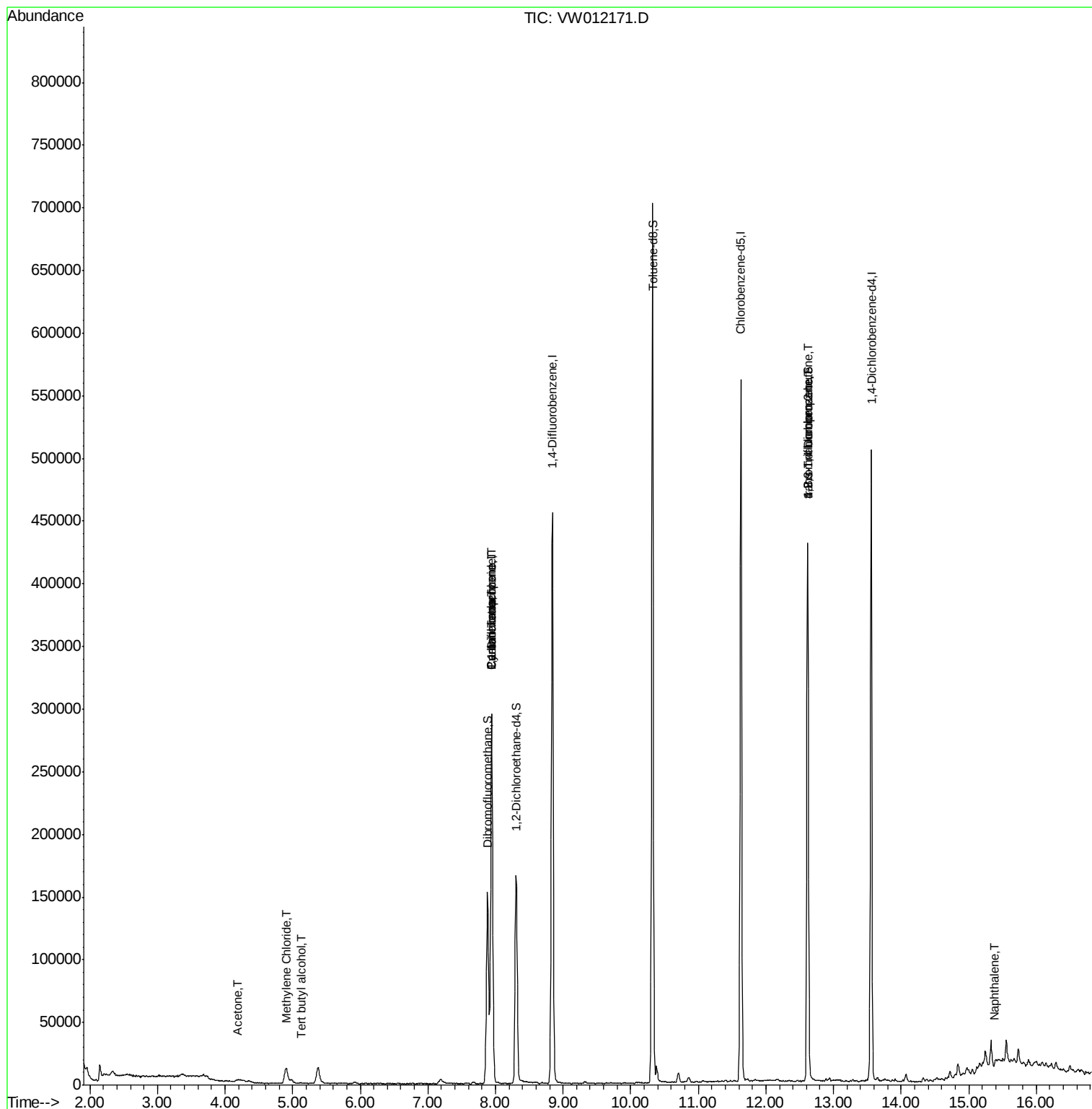
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.12	59	368	2.416	ug/l #	71
16) Acetone	4.18	43	2992	4.625	ug/l	95
20) Methylene Chloride	4.90	84	9271	3.791	ug/l	95
31) Cyclohexane	7.94	56	5510	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18626	5.050	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21401	6.703	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	75620	63.795	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75620	139.872	ug/l #	6
95) Naphthalene	15.37	128	387	4.398	ug/l #	84

(#) = 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: VW012171.D

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Instrument :

MSVOA_W

ClientSampleId :

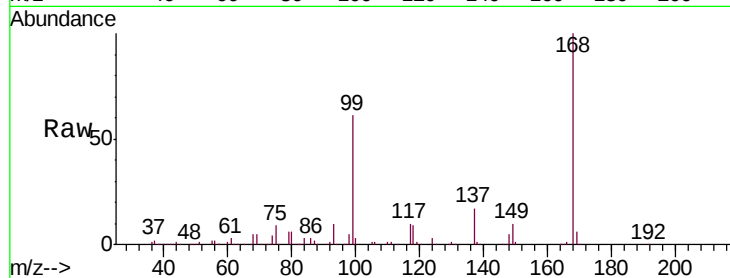
TT-013-IDWSO-20190823

Tgt Ion:168 Resp: 212903

Ion Ratio Lower Upper

168 100

99 61.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

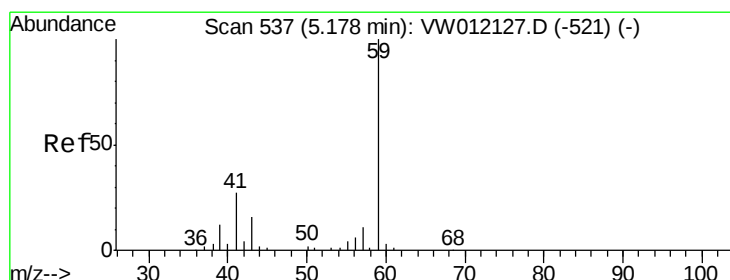
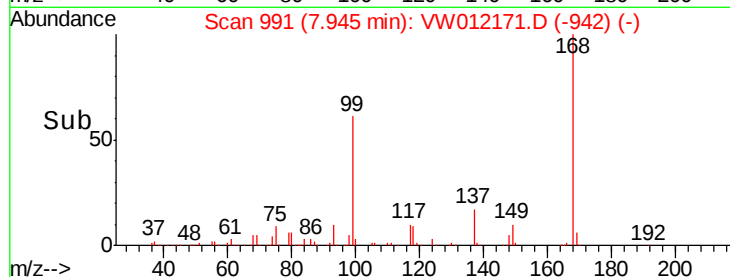
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.416 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.06 min

Lab File: VW012171.D

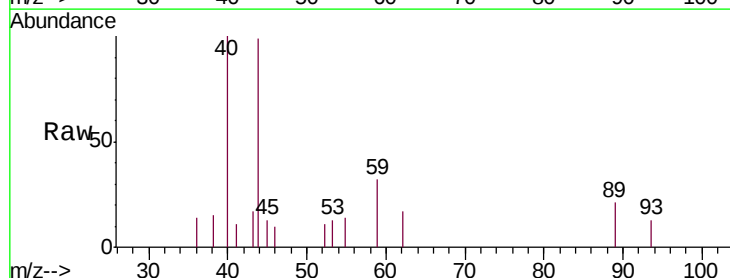
Acq: 26 Aug 2019 14:40

Tgt Ion: 59 Resp: 368

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

200

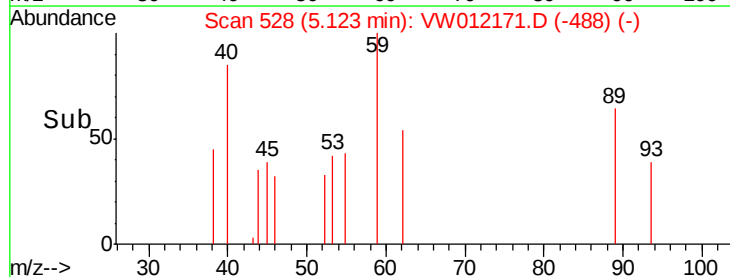
150

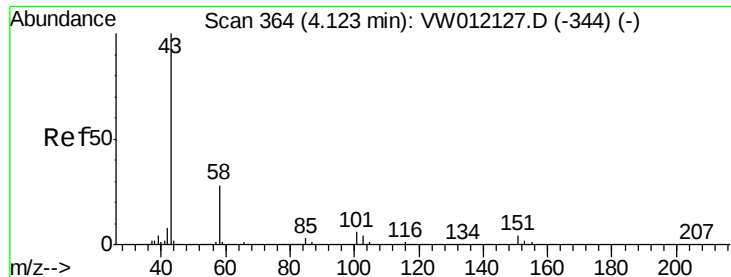
100

50

0

Time-->





#16

Acetone

Concen: 4.625 ug/l

RT: 4.18 min Scan# 374

Delta R.T. 0.06 min

Lab File: VW012171.D

Acq: 26 Aug 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

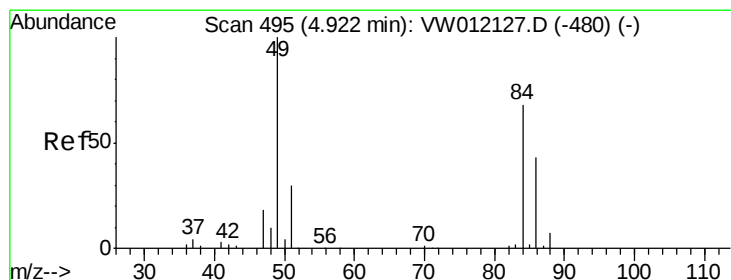
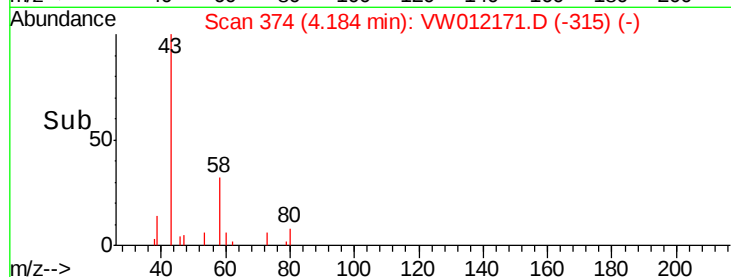
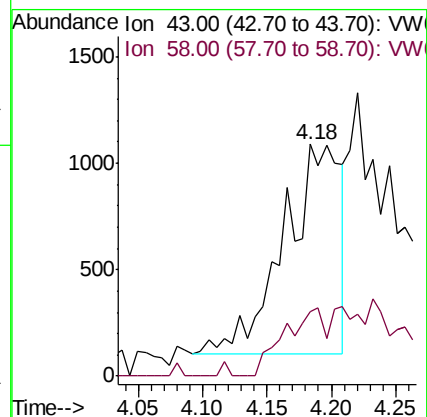
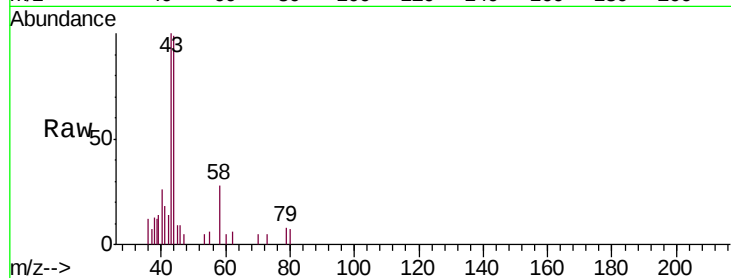
TT-013-IDWSO-20190823

Tgt Ion: 43 Resp: 2992

Ion Ratio Lower Upper

43 100

58 30.7 22.4 33.6



#20

Methylene Chloride

Concen: 3.791 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012171.D

Acq: 26 Aug 2019 14:40

Tgt Ion: 84 Resp: 9271

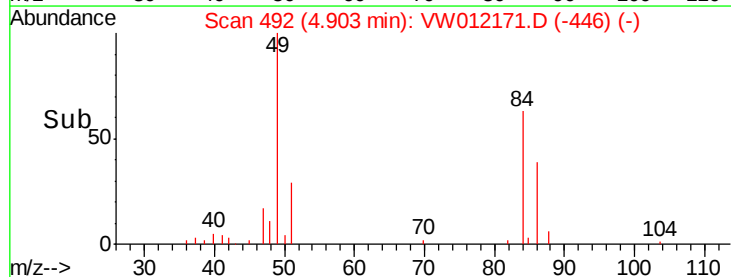
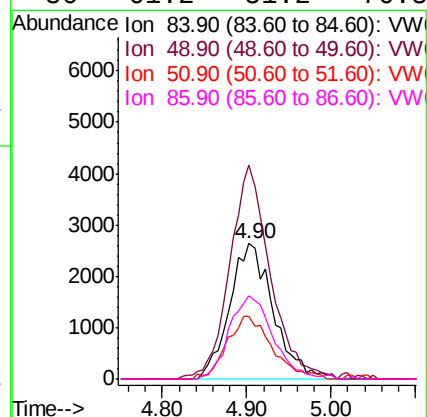
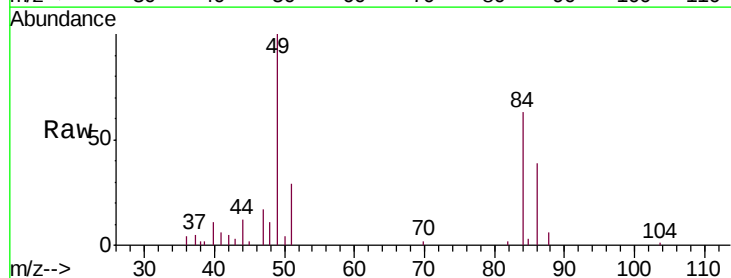
Ion Ratio Lower Upper

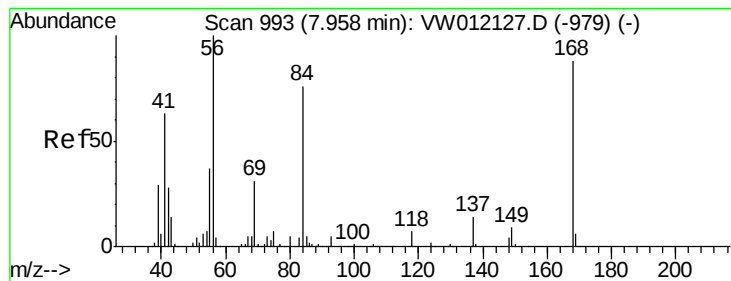
84 100

49 154.7 117.8 176.8

51 46.0 35.6 53.4

86 61.2 51.2 76.8





#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012171.D

Acq: 26 Aug 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

TT-013-IDWSO-20190823

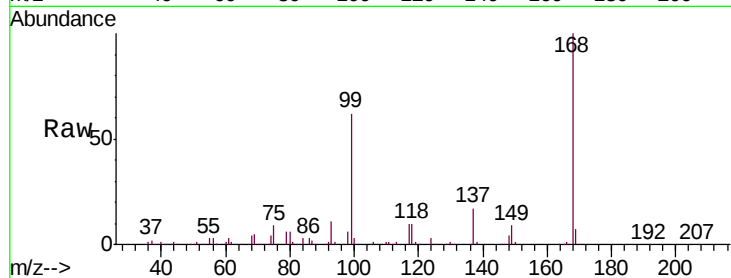
Tgt Ion: 56 Resp: 5510

Ion Ratio Lower Upper

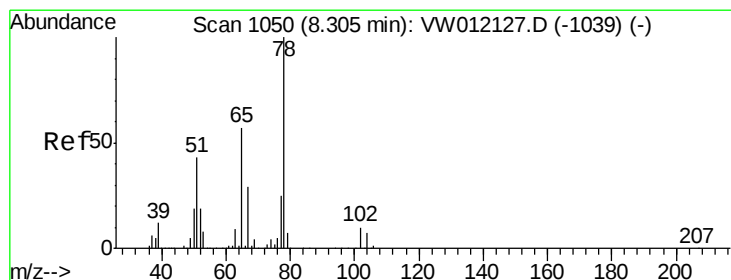
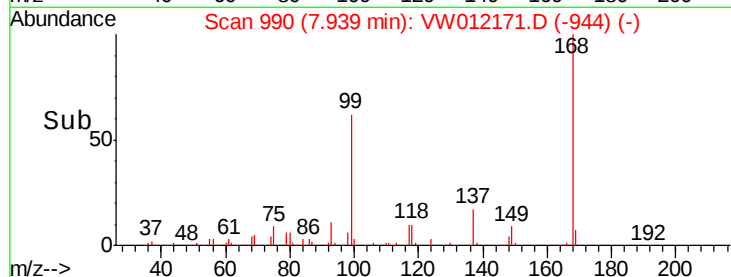
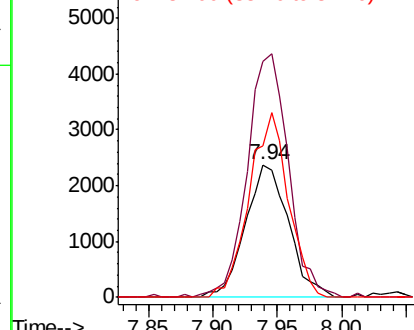
56 100

69 177.8 24.9 37.3#

84 114.2 60.6 90.8#



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: 53.304 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012171.D

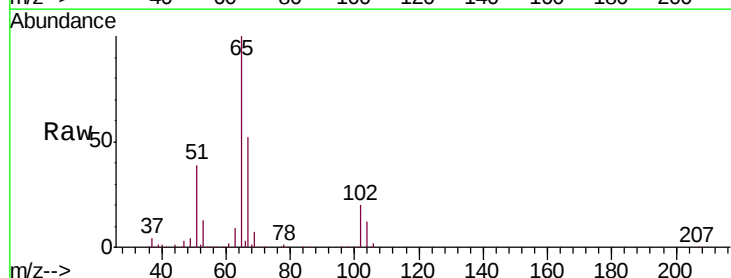
Acq: 26 Aug 2019 14:40

Tgt Ion: 65 Resp: 134907

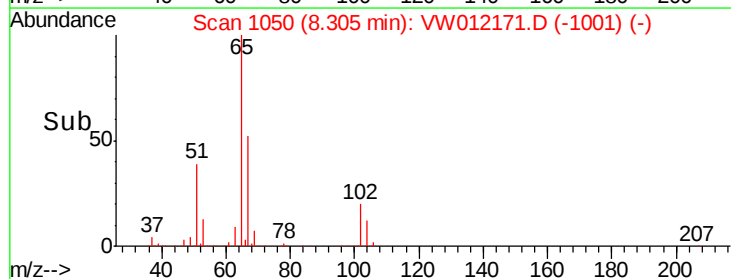
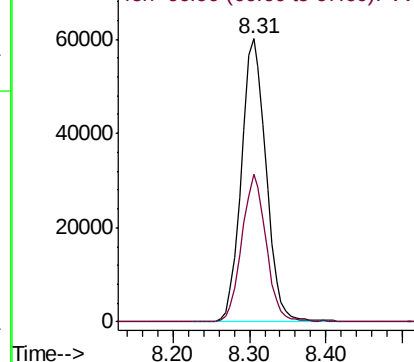
Ion Ratio Lower Upper

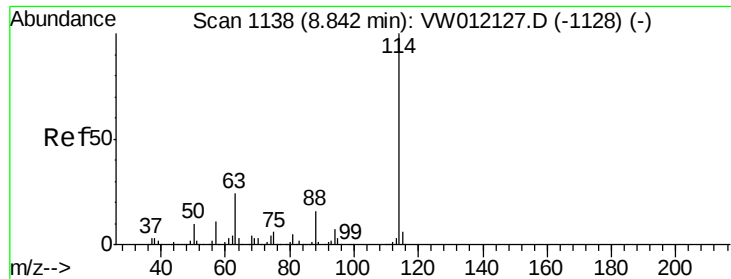
65 100

67 51.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

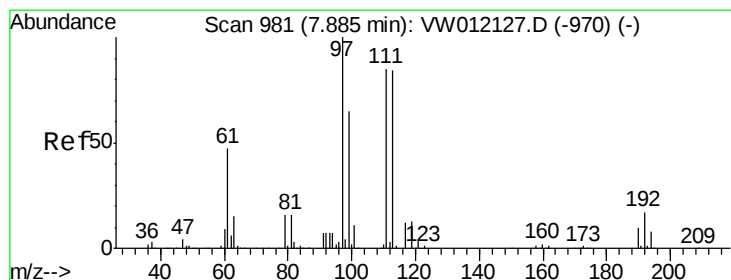
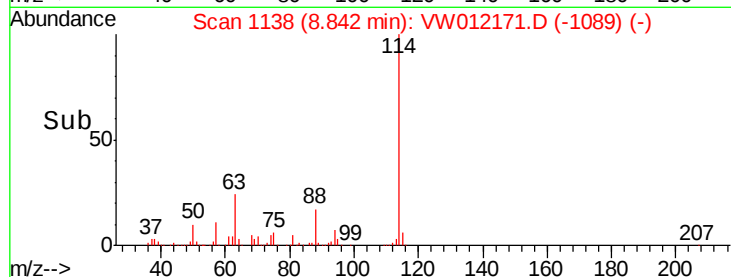
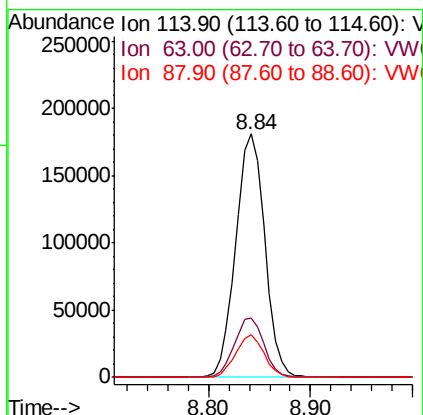
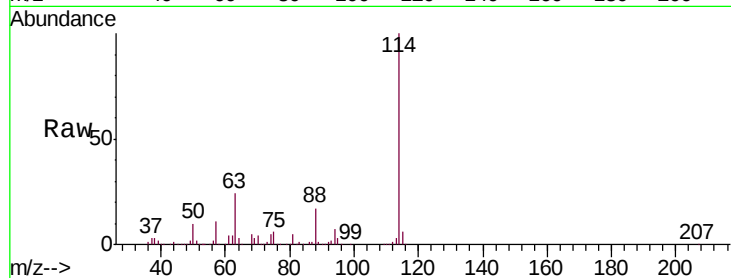




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012171.D
 Acq: 26 Aug 2019 14:40

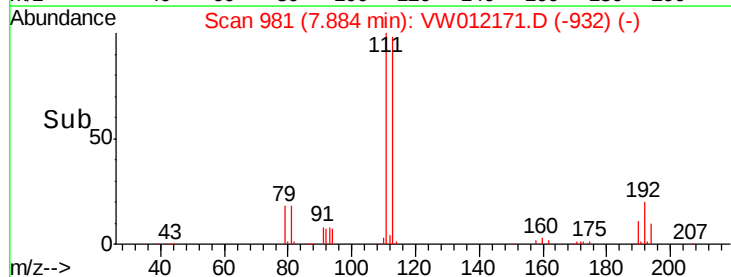
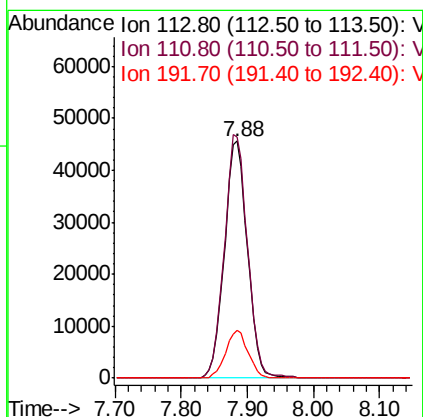
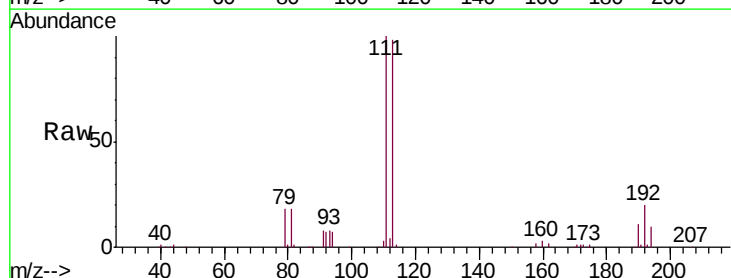
Instrument :
 MSVOA_W
 ClientSampleId :
 TT-013-IDWSO-20190823

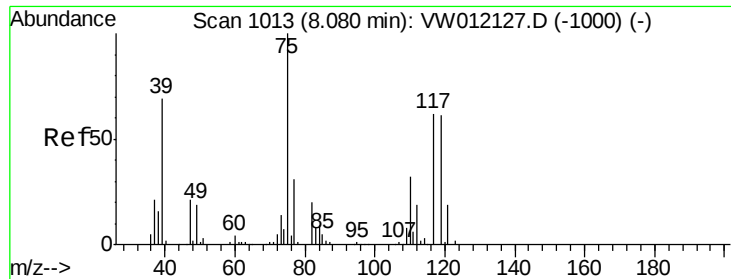
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	48.6
88	17.3	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 51.726 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012171.D
 Acq: 26 Aug 2019 14:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	19.9	16.2	24.2





#36

1,1-Dichloropropene

Concen: 5.050 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012171.D

Acq: 26 Aug 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

TT-013-IDWSO-20190823

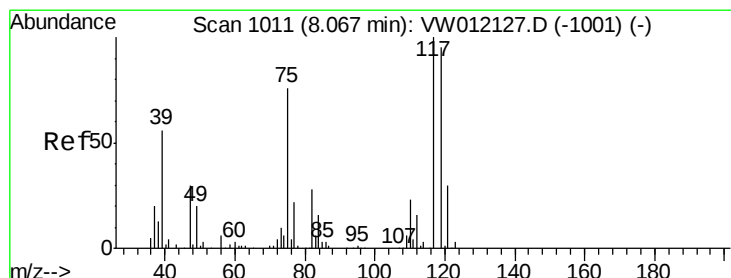
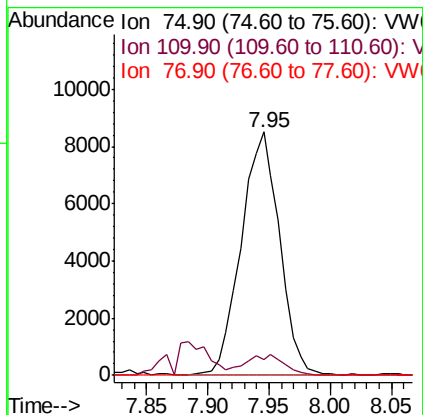
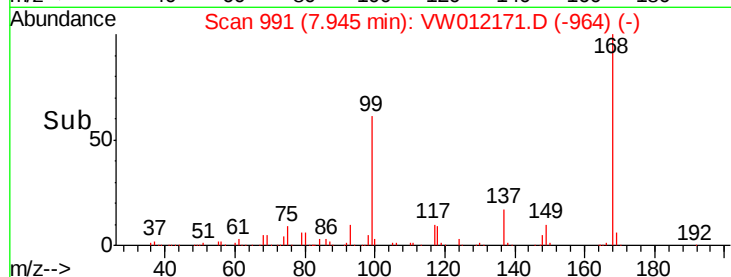
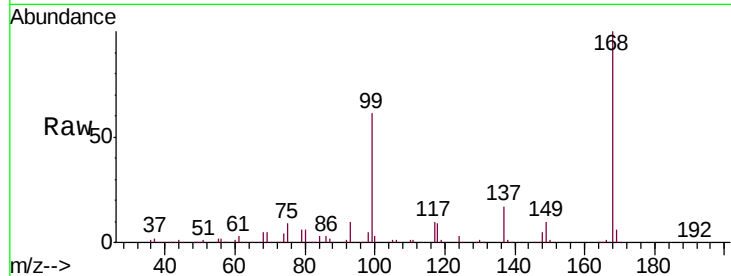
Tgt Ion: 75 Resp: 18626

Ion Ratio Lower Upper

75 100

110 8.6 15.6 46.8#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.703 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012171.D

Acq: 26 Aug 2019 14:40

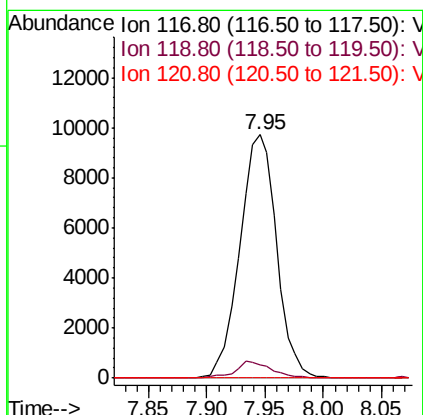
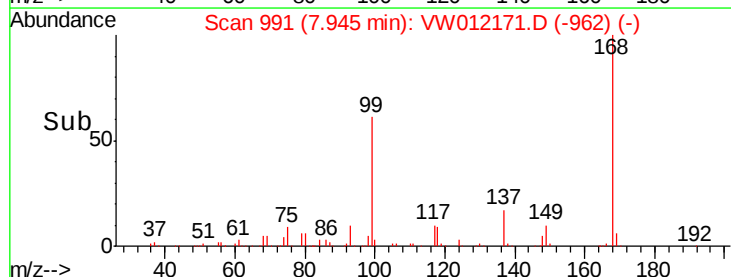
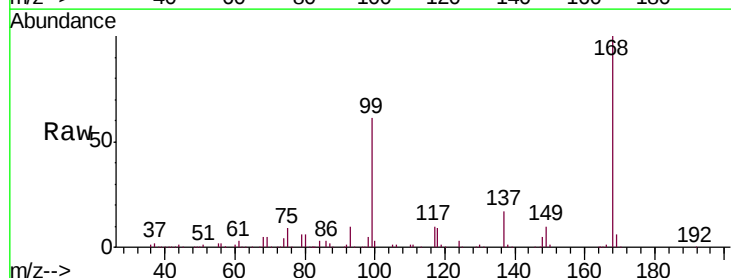
Tgt Ion: 117 Resp: 21401

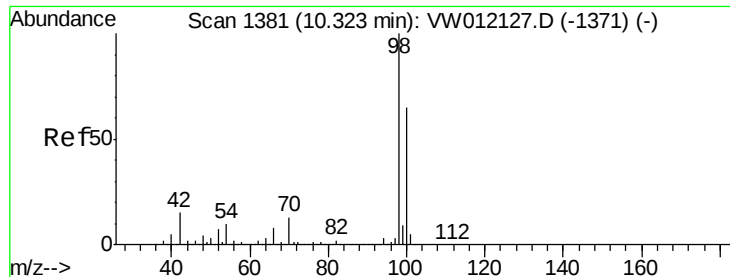
Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 50.569 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012171.D

Acq: 26 Aug 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

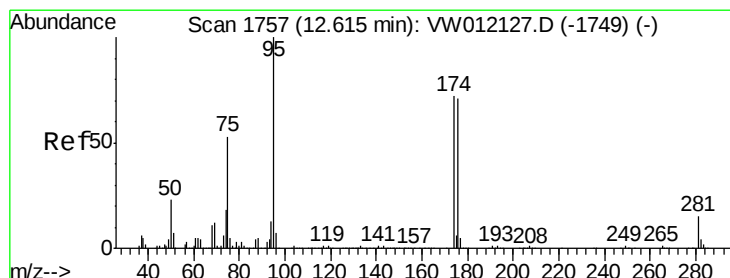
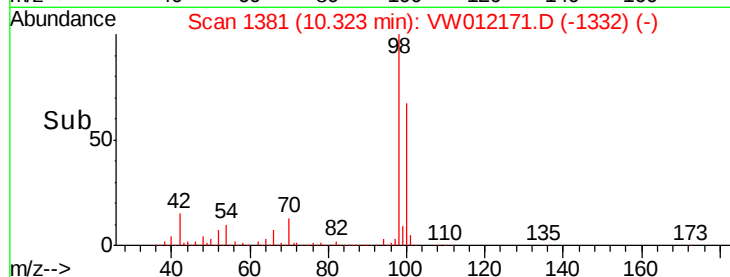
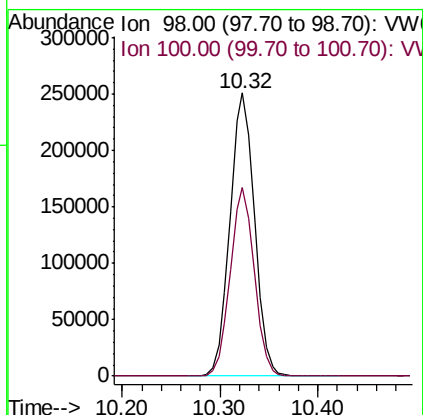
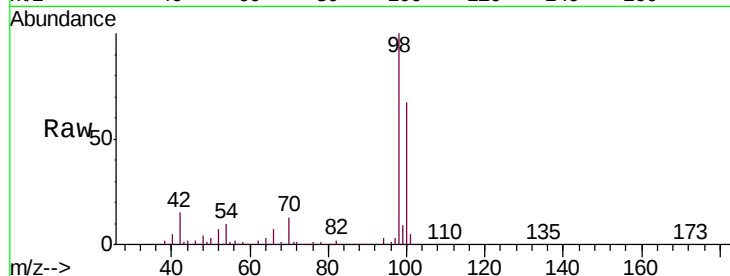
TT-013-IDWSO-20190823

Tgt Ion: 98 Resp: 436866

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.552 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012171.D

Acq: 26 Aug 2019 14:40

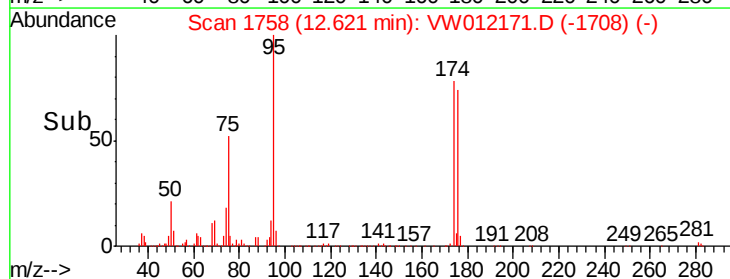
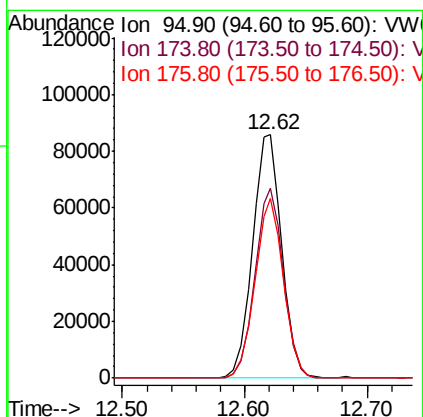
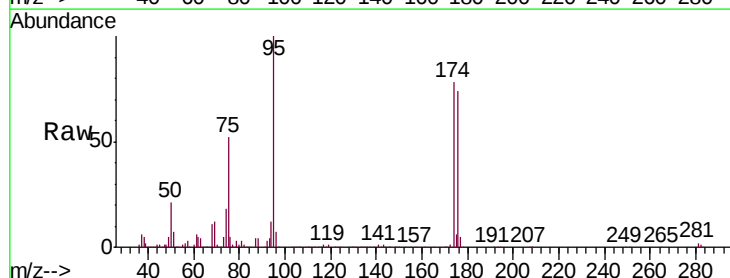
Tgt Ion: 95 Resp: 141761

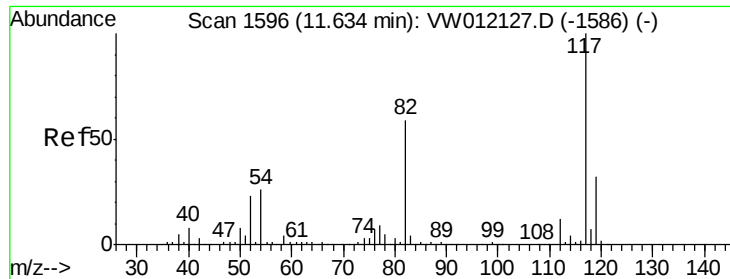
Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.8

176 72.1 0.0 148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012171.D

Acq: 26 Aug 2019 14:40

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TT-013-IDWSO-20190823

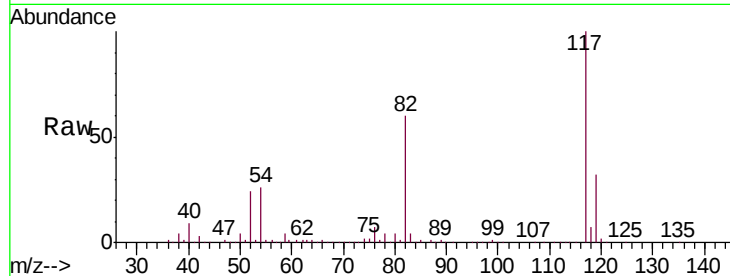
Tgt Ion:117 Resp: 299096

Ion Ratio Lower Upper

117 100

82 59.8 47.4 71.2

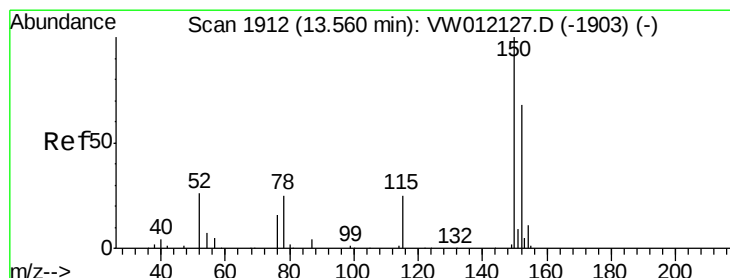
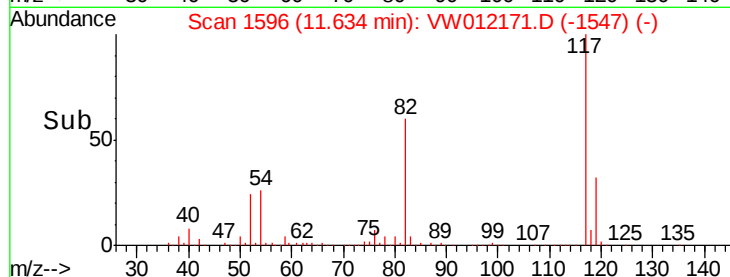
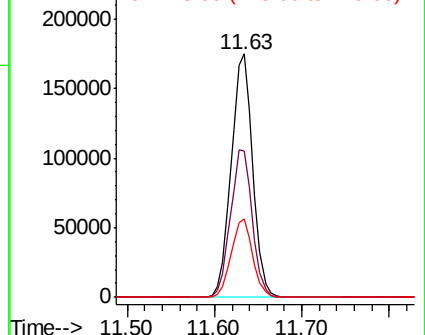
119 32.1 25.4 38.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012171.D

Acq: 26 Aug 2019 14:40

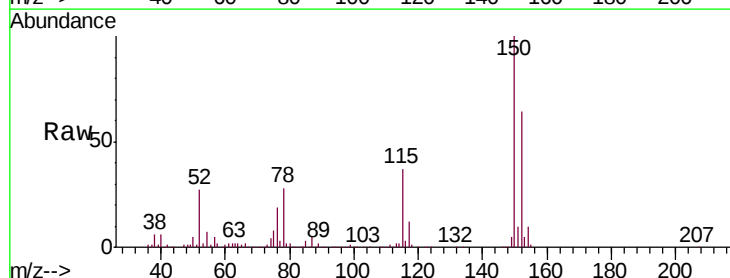
Tgt Ion:152 Resp: 121710

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

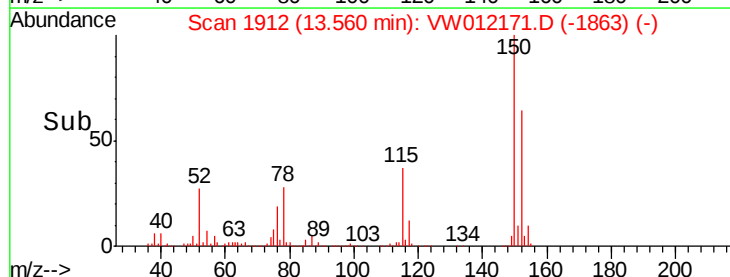
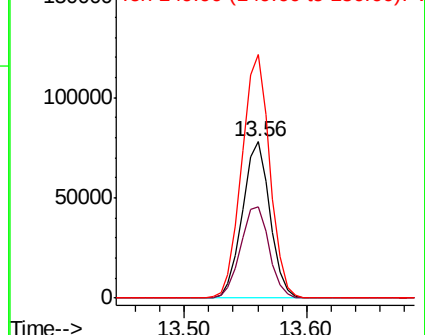
150 158.5 0.0 345.8

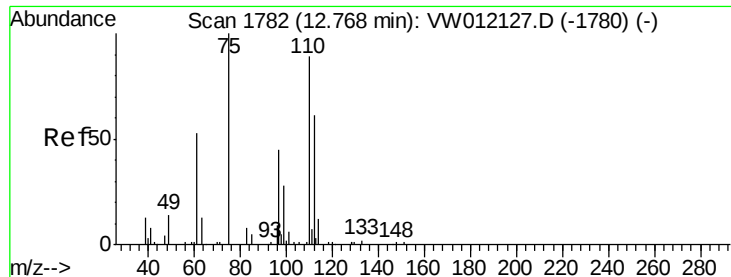


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 63.795 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012171.D

Acq: 26 Aug 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

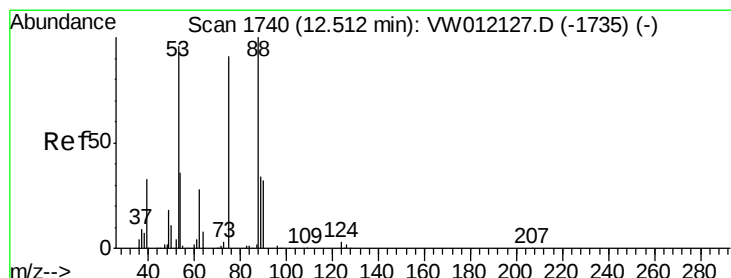
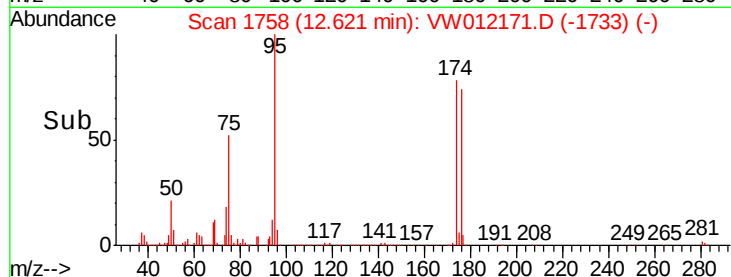
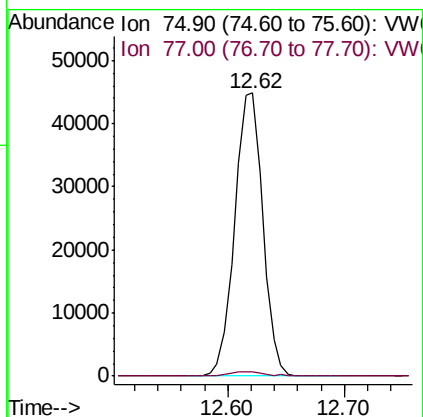
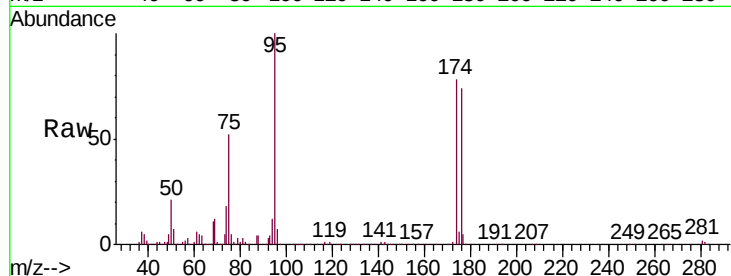
TT-013-IDWSO-20190823

Tgt Ion: 75 Resp: 75620

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.872 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012171.D

Acq: 26 Aug 2019 14:40

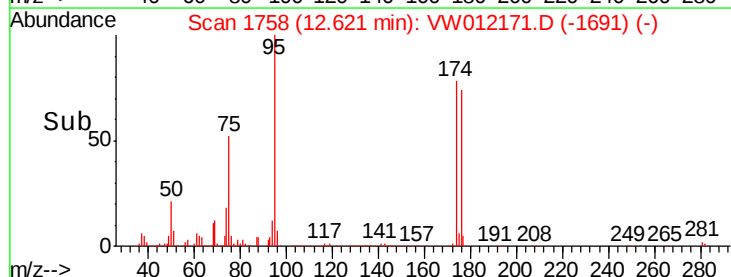
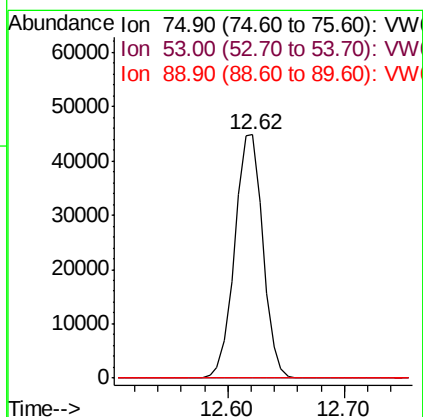
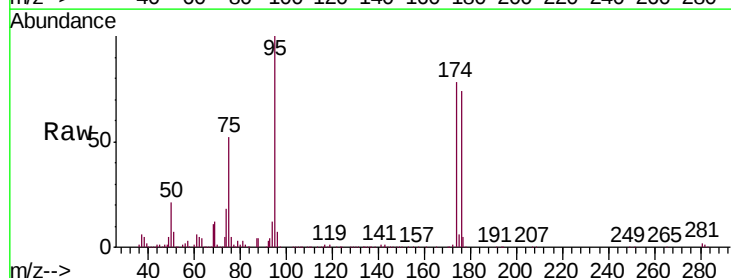
Tgt Ion: 75 Resp: 75620

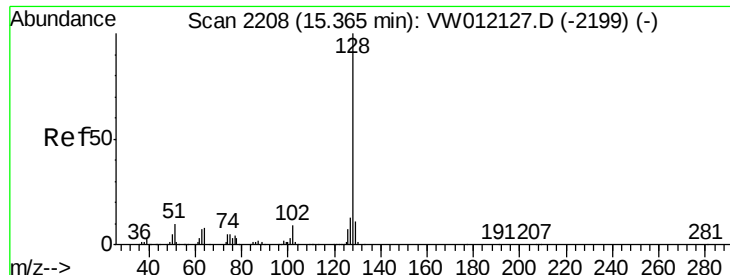
Ion Ratio Lower Upper

75 100

53 0.4 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.398 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012171.D

Acq: 26 Aug 2019 14:40

Instrument :

MSVOA_W

ClientSampleId :

TT-013-IDWSO-20190823

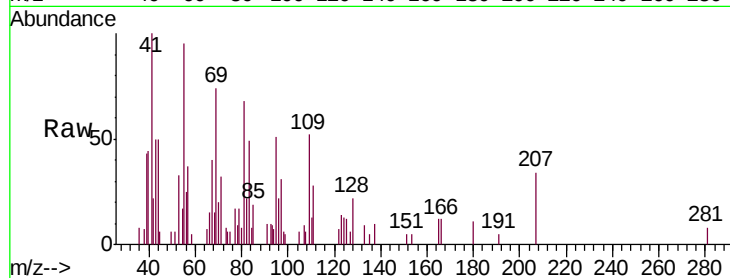
Tgt Ion:128 Resp: 387

Ion Ratio Lower Upper

128 100

127 11.4 10.7 16.1

129 0.0 8.7 13.1#



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

