

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011753.D
 Acq On : 07 Aug 2019 16:05
 Operator : SY/VA
 Sample : K4208-03
 Misc : 6.35G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02(10-12)

Quant Time: Aug 08 08:41:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	291006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117377	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	138594	57.71	ug/l	0.00
Spiked Amount			Recovery	=	115.42%	
35) Dibromofluoromethane	7.88	113	108929	55.64	ug/l	0.00
Spiked Amount			Recovery	=	111.28%	
50) Toluene-d8	10.32	98	429079	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.62	95	135464	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	

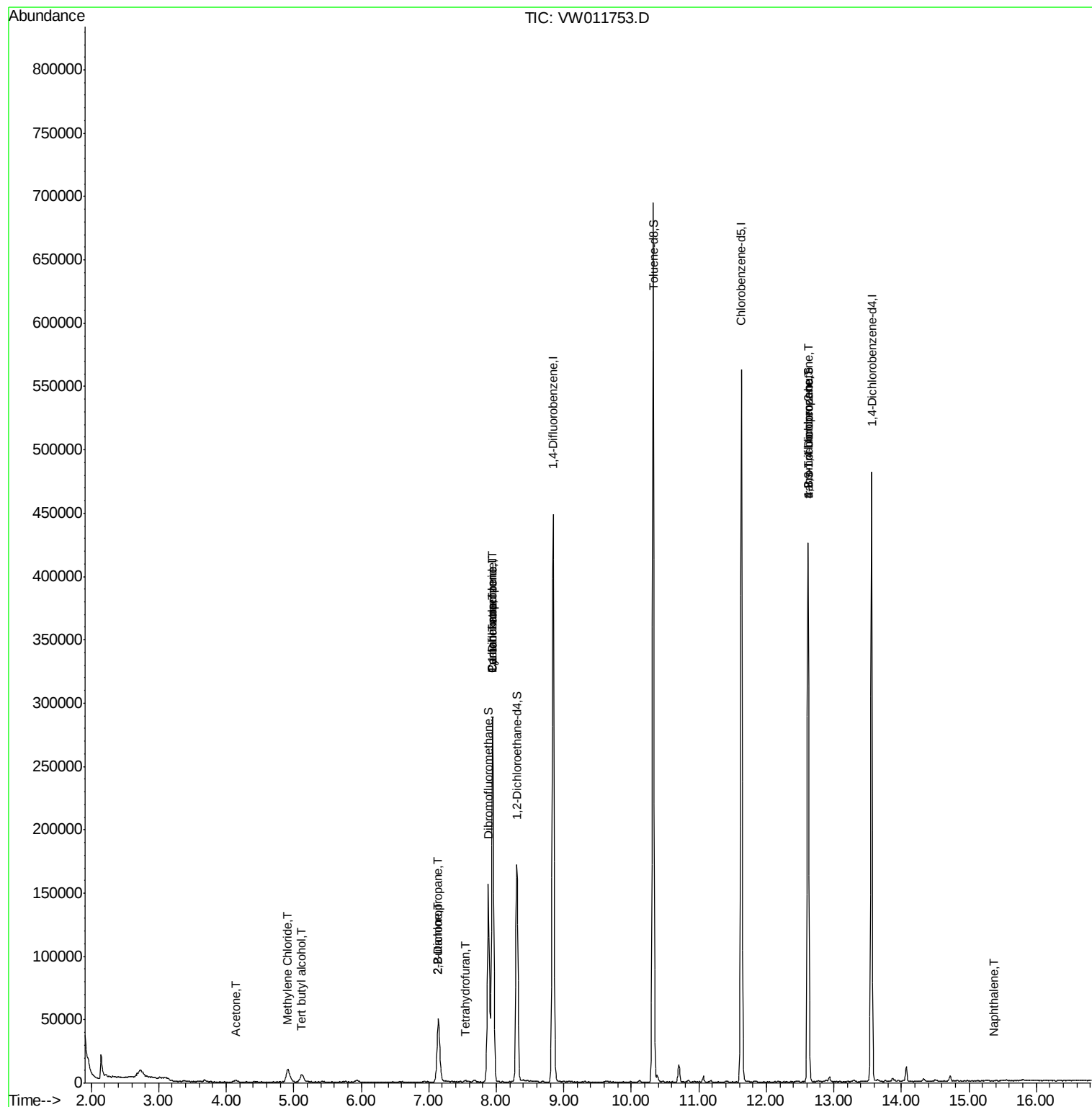
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	6714	21.589	ug/l #	73
16) Acetone	4.14	43	2875	3.763	ug/l #	75
20) Methylene Chloride	4.90	84	7679	2.914	ug/l	88
25) 2-Butanone	7.15	43	3351	3.352	ug/l #	85
26) 2,2-Dichloropropane	7.15	77	3636	1.264	ug/l #	54
29) Tetrahydrofuran	7.54	42	968	1.694	ug/l #	90
31) Cyclohexane	7.95	56	5386	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18463	5.088	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21052	6.777	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	74361	59.873	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74361	137.986	ug/l #	6
95) Naphthalene	15.36	128	156	2.098	ug/l #	77

(#) = 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: VW011753.D

Acq: 07 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampled :

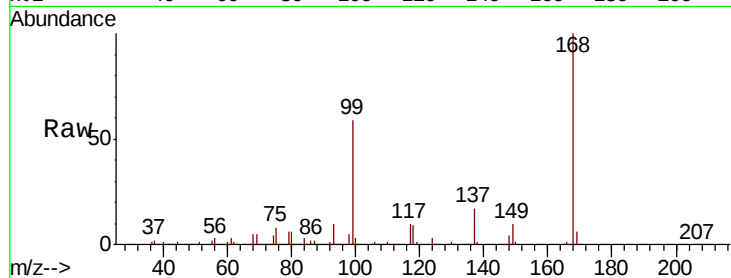
SB-02(10-12)

Tgt Ion:168 Resp: 209156

Ion Ratio Lower Upper

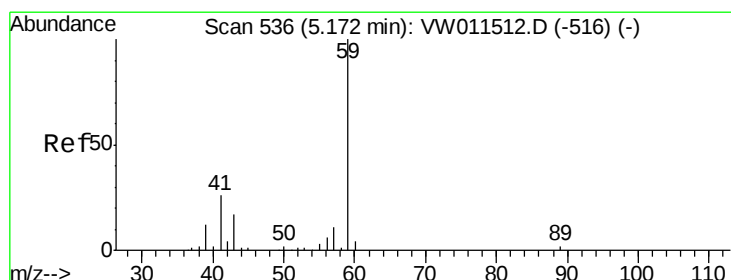
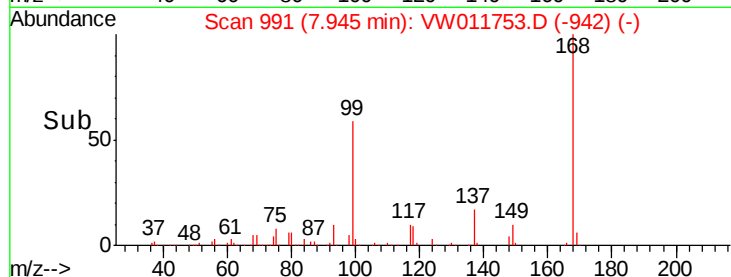
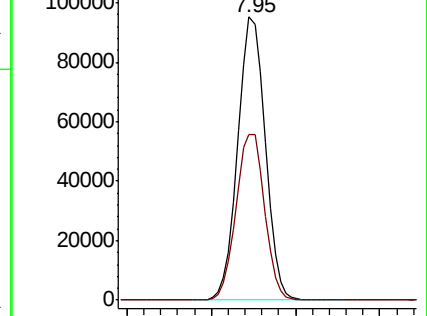
168 100

99 58.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 21.589 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011753.D

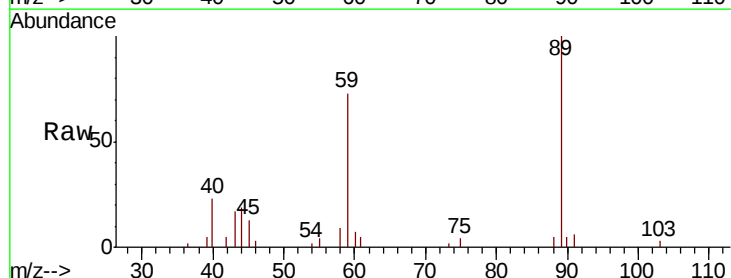
Acq: 07 Aug 2019 16:05

Tgt Ion: 59 Resp: 6714

Ion Ratio Lower Upper

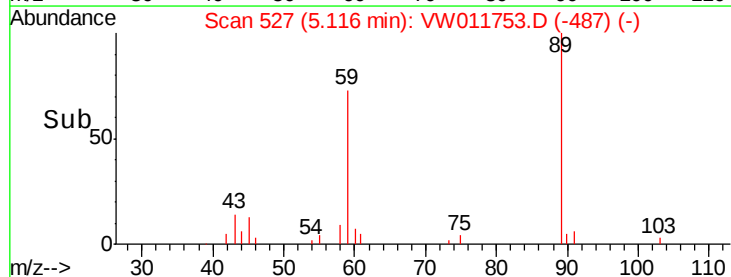
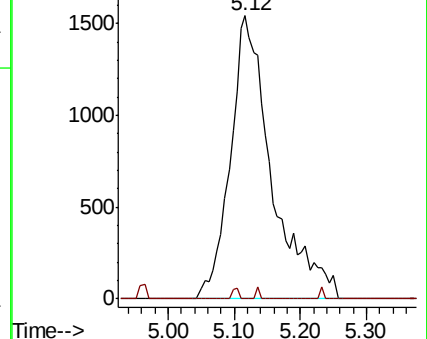
59 100

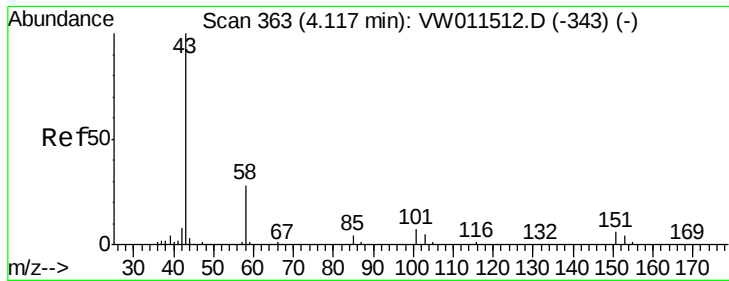
57 0.6 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.763 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011753.D

Acq: 07 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

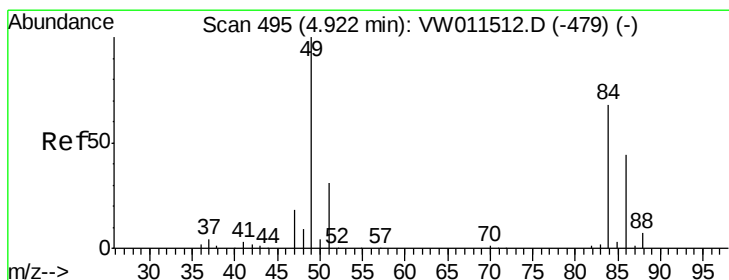
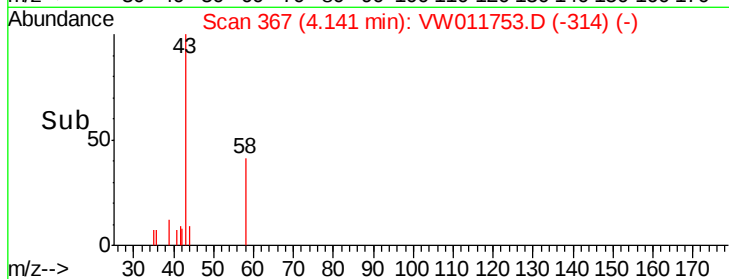
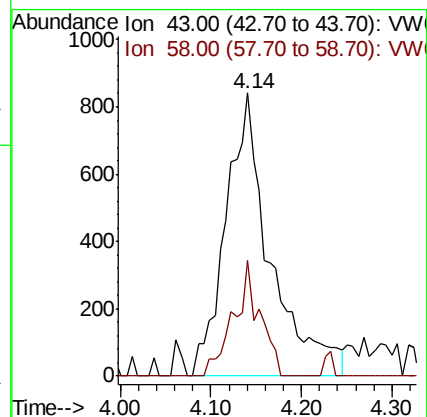
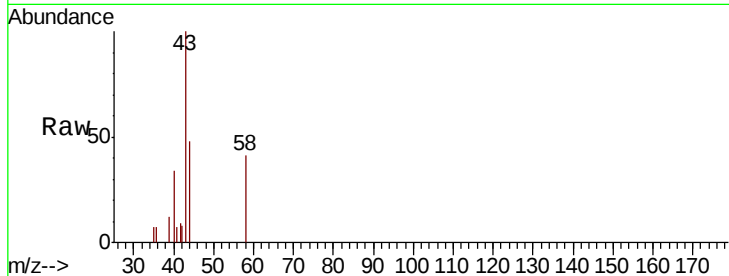
SB-02(10-12)

Tgt Ion: 43 Resp: 2875

Ion Ratio Lower Upper

43 100

58 40.8 22.3 33.5#



#20

Methylene Chloride

Concen: 2.914 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW011753.D

Acq: 07 Aug 2019 16:05

Tgt Ion: 84 Resp: 7679

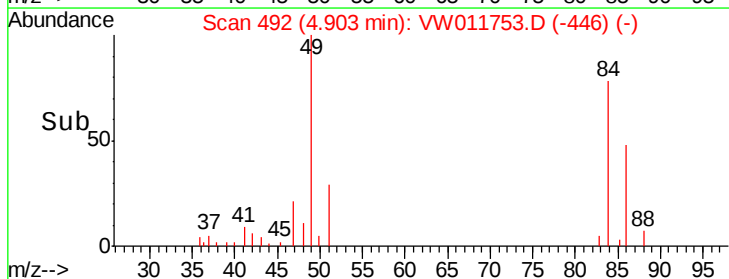
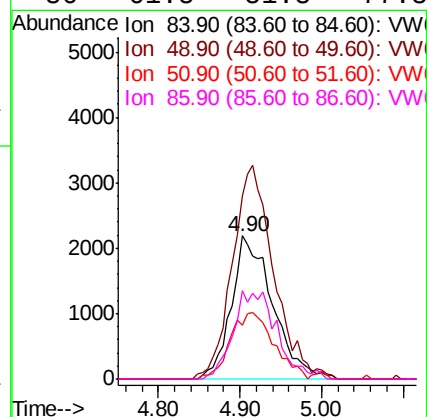
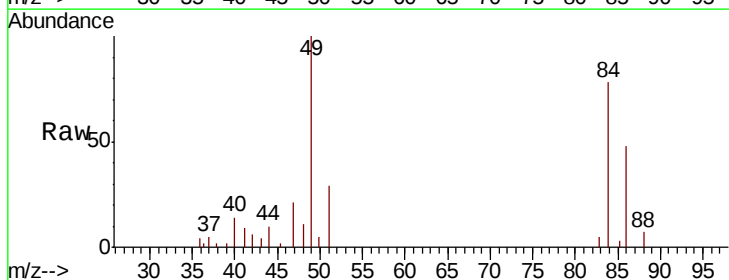
Ion Ratio Lower Upper

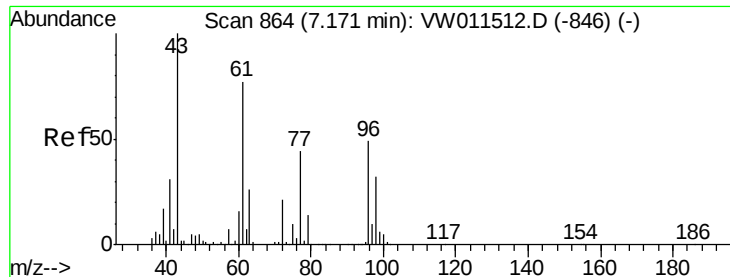
84 100

49 128.4 117.8 176.6

51 37.4 37.0 55.4

86 61.5 51.8 77.8





#25

2-Butanone

Concen: 3.352 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011753.D

Acq: 07 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

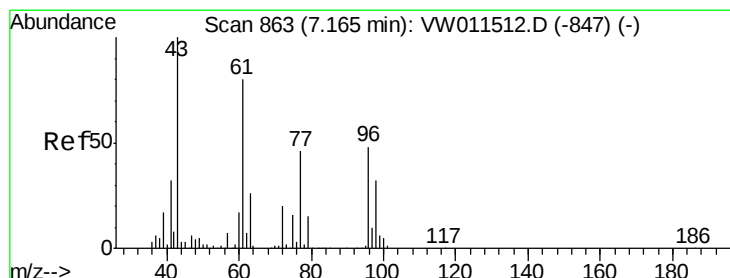
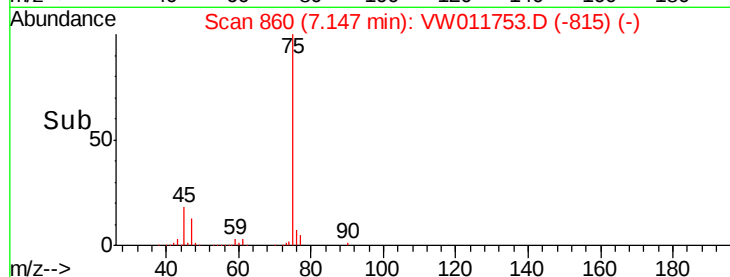
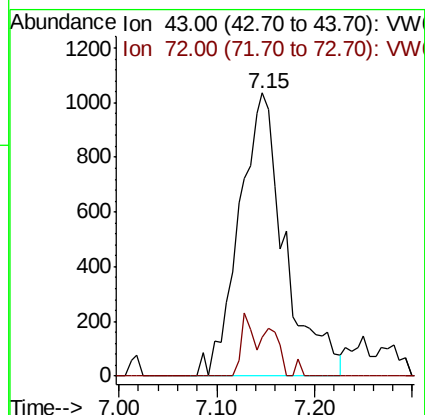
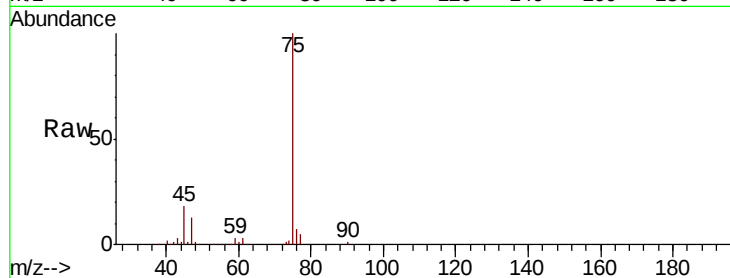
SB-02(10-12)

Tgt Ion: 43 Resp: 3351

Ion Ratio Lower Upper

43 100

72 13.7 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.264 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011753.D

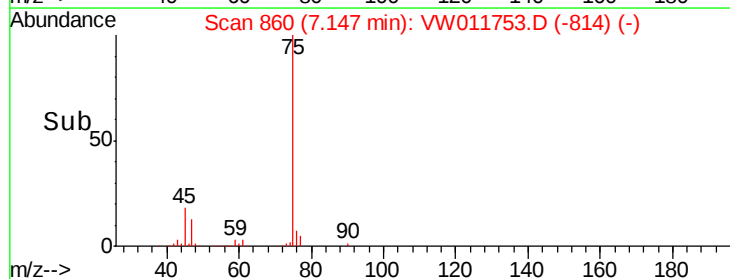
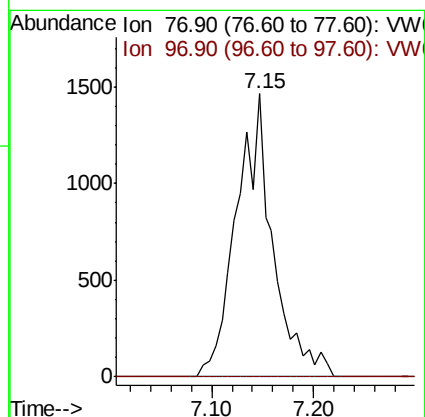
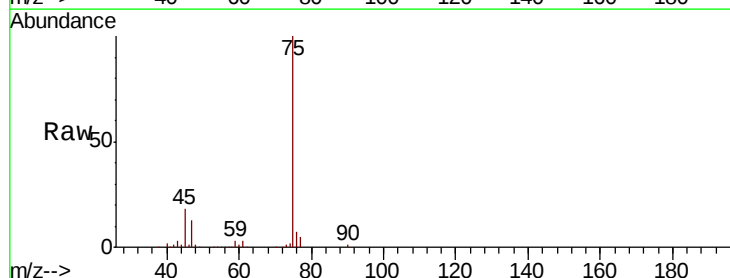
Acq: 07 Aug 2019 16:05

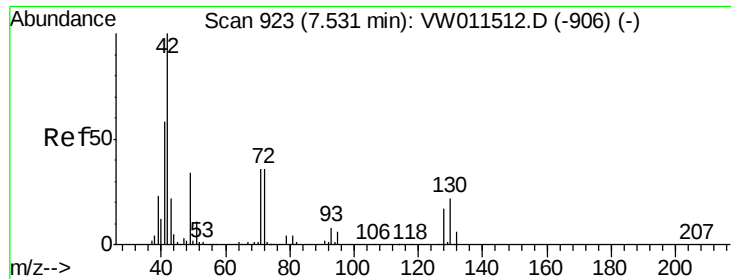
Tgt Ion: 77 Resp: 3636

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

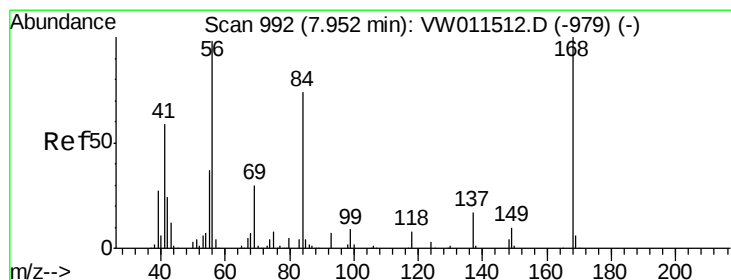
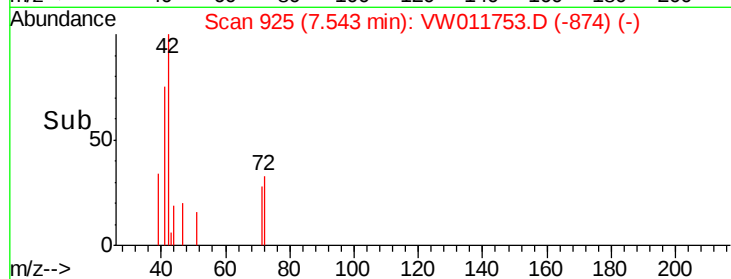
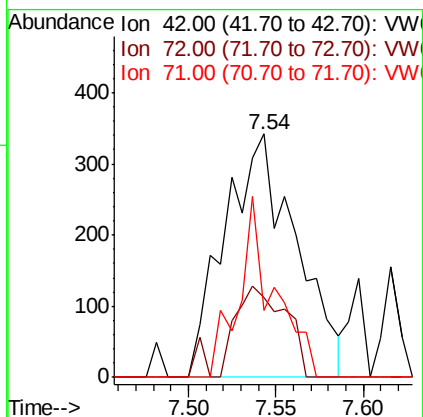
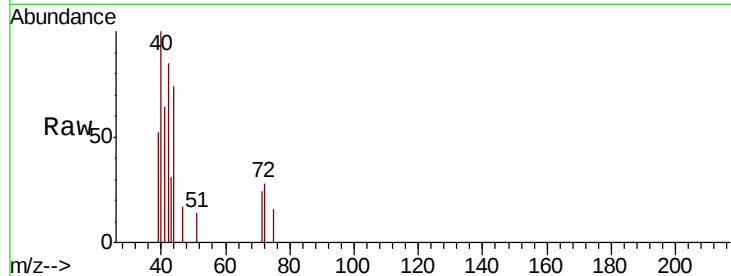




#29
Tetrahydrofuran
Concen: 1.694 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011753.D
Acq: 07 Aug 2019 16:05

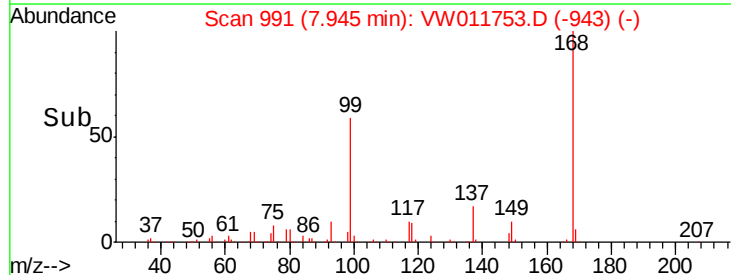
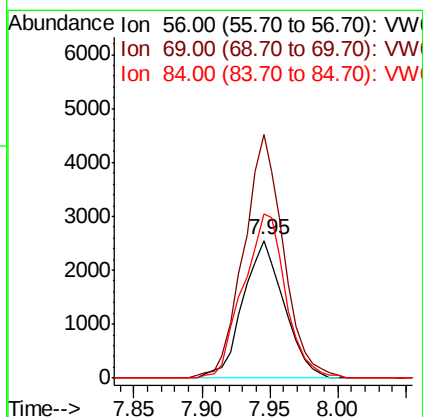
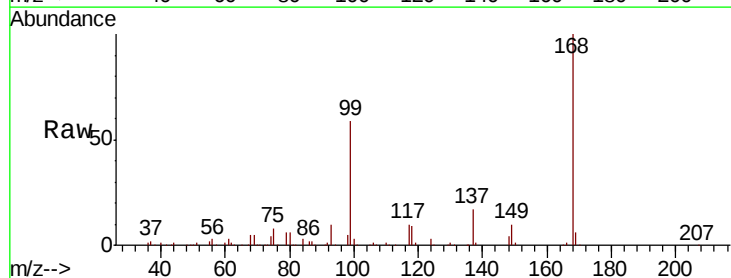
Instrument :
MSVOA_W
ClientSampleId :
SB-02(10-12)

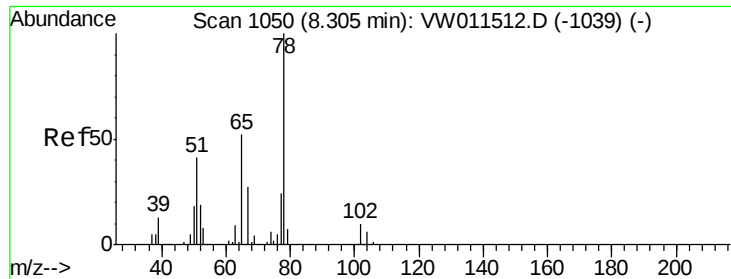
Tgt Ion: 42 Resp: 968
Ion Ratio Lower Upper
42 100
72 26.1 27.1 40.7#
71 36.9 26.2 39.4



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011753.D
Acq: 07 Aug 2019 16:05

Tgt Ion: 56 Resp: 5386
Ion Ratio Lower Upper
56 100
69 176.8 24.3 36.5#
84 118.9 60.4 90.6#

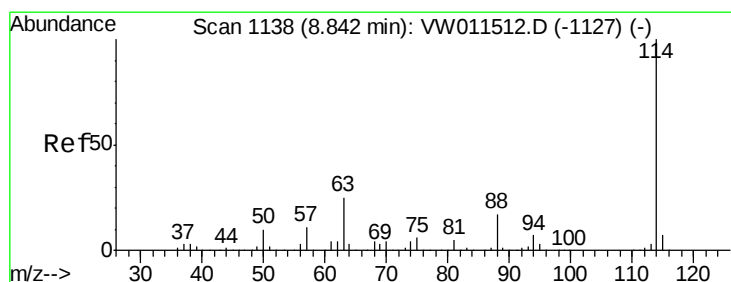
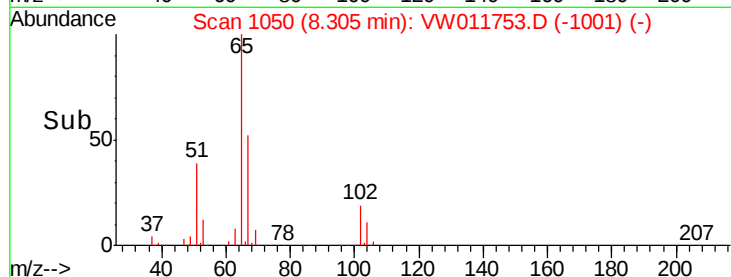
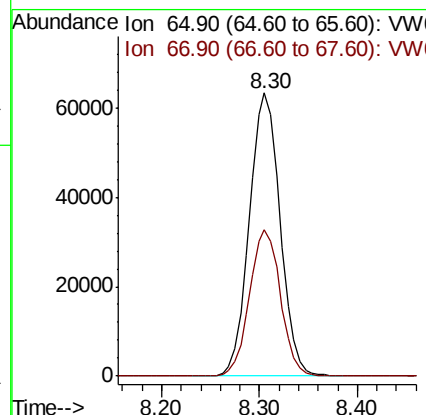
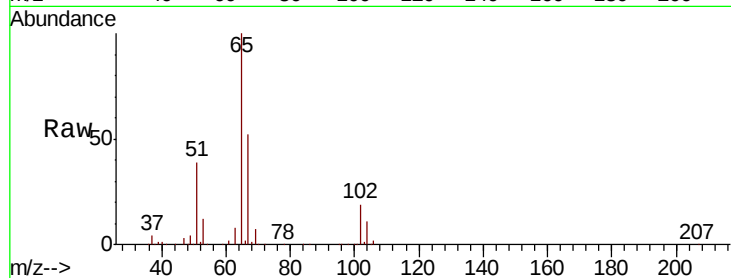




#33
 1,2-Dichloroethane-d4
 Concen: 57.707 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011753.D
 Acq: 07 Aug 2019 16:05

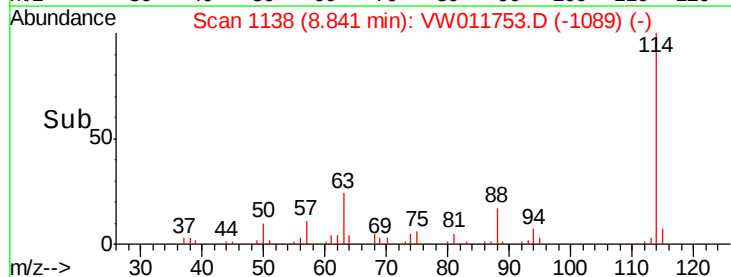
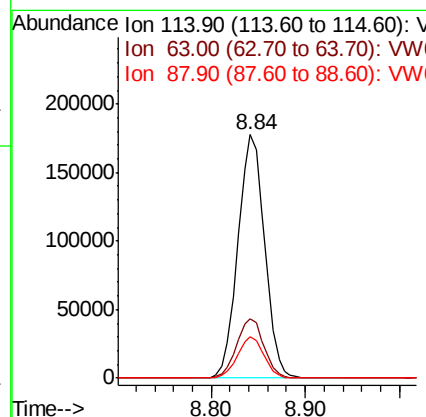
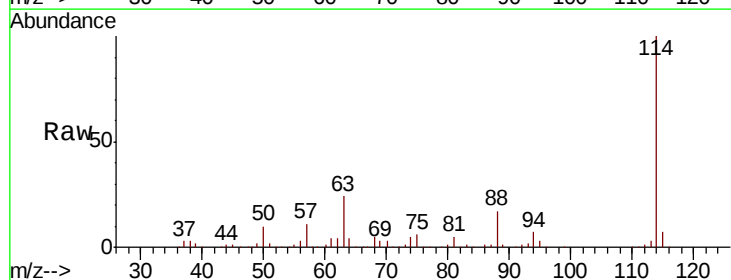
Instrument :
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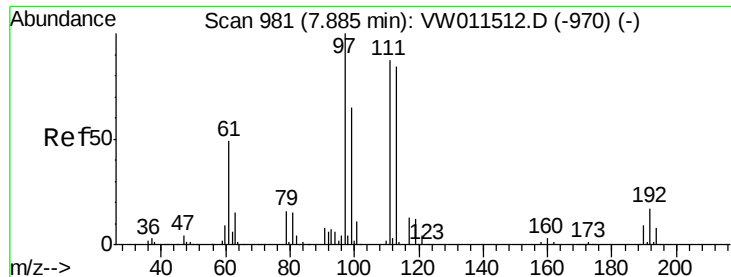
Tgt Ion: 65 Resp: 138594
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011753.D
 Acq: 07 Aug 2019 16:05

Tgt Ion: 114 Resp: 348985
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.8 0.0 33.8

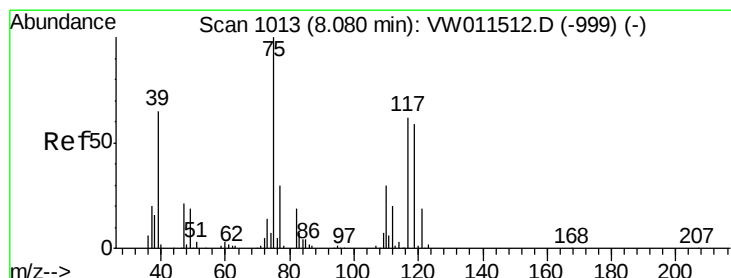
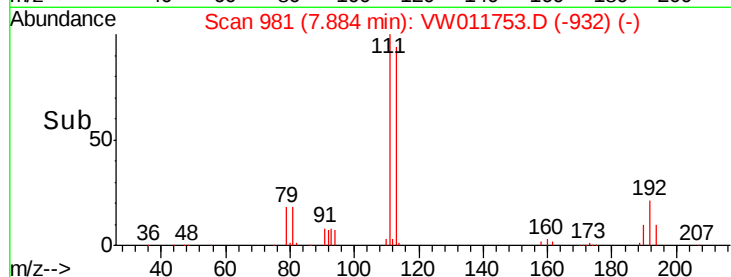
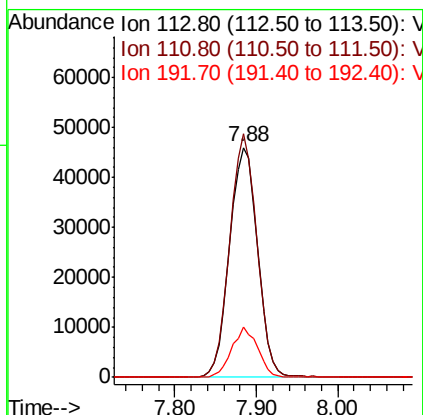
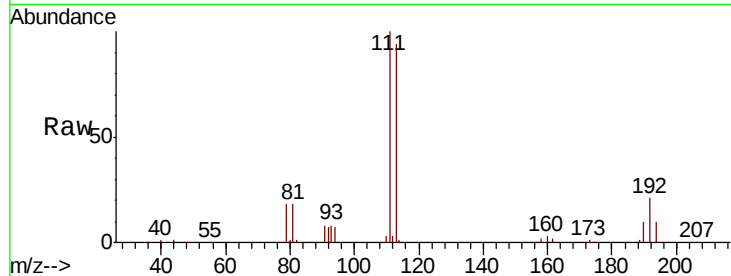




#35
 Dibromofluoromethane
 Concen: 55.637 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011753.D
 Acq: 07 Aug 2019 16:05

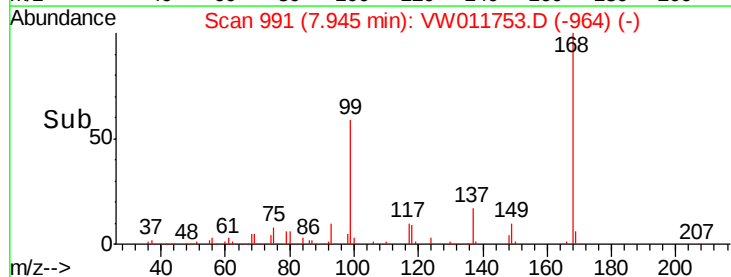
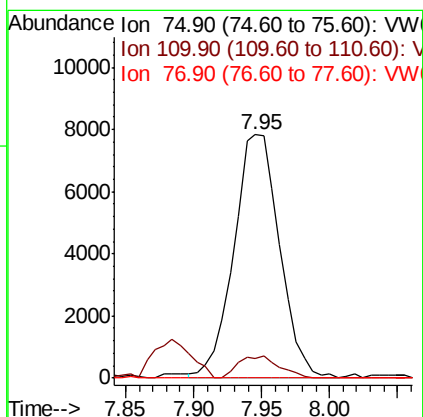
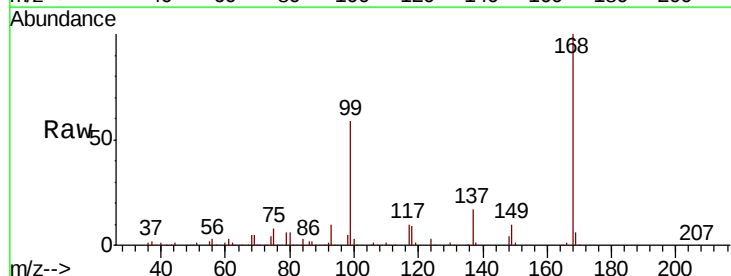
Instrument :
 MSVOA_W
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 SB-02(10-12)

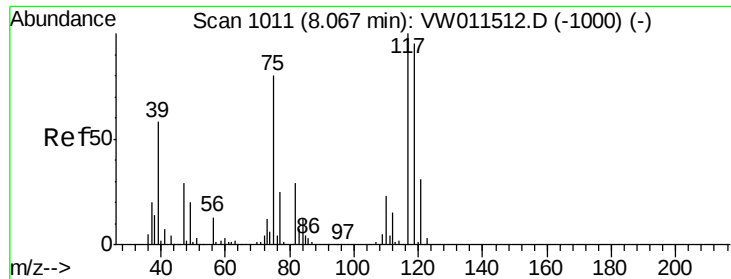
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.7	124.1
192	20.3	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.088 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011753.D
 Acq: 07 Aug 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.6	46.8#
77	0.0	24.3	36.5#

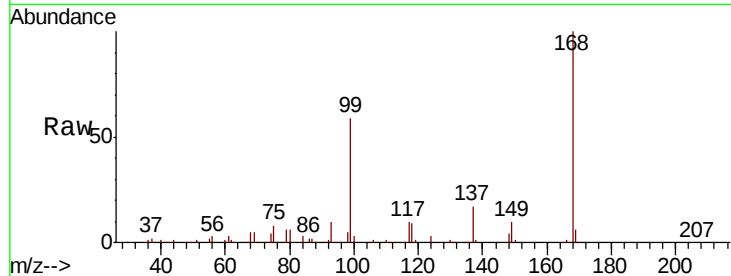




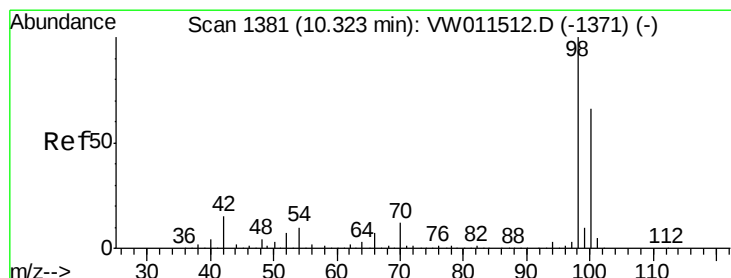
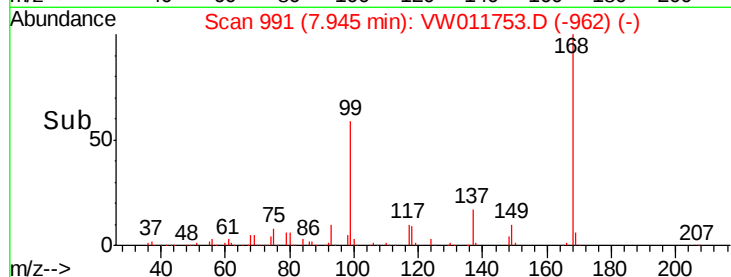
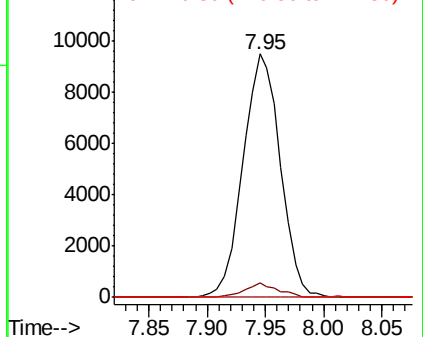
#38
Carbon Tetrachloride
Concen: 6.777 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011753.D
Acq: 07 Aug 2019 16:05

Instrument :
MSVOA_W
ClientSampleId :
SB-02(10-12)

Tgt Ion:117 Resp: 21052
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.7 37.1#

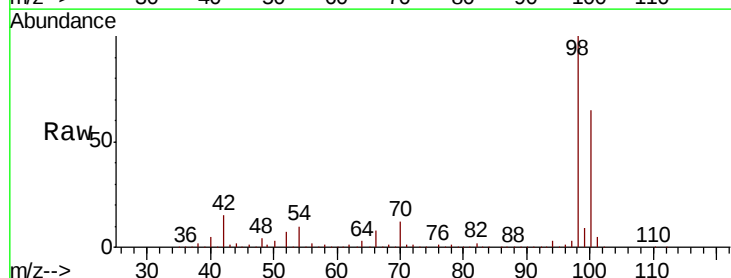


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

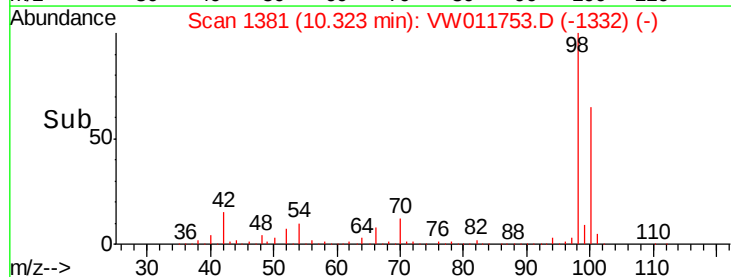
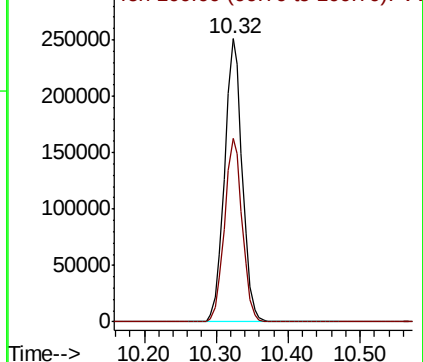


#50
Toluene-d8
Concen: 53.527 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011753.D
Acq: 07 Aug 2019 16:05

Tgt Ion: 98 Resp: 429079
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



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





#62

4-Bromofluorobenzene

Concen: 47.400 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011753.D

Acq: 07 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampled :

SB-02(10-12)

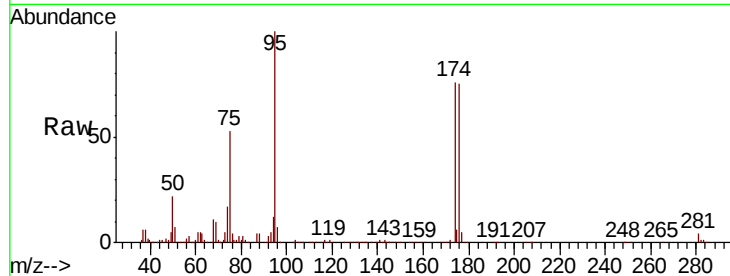
Tgt Ion: 95 Resp: 135464

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.2

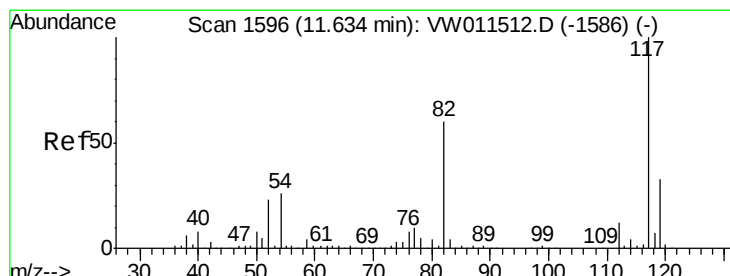
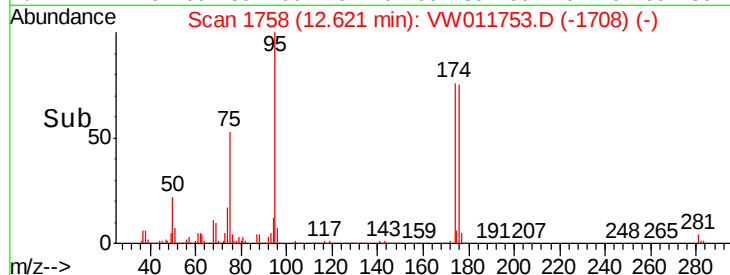
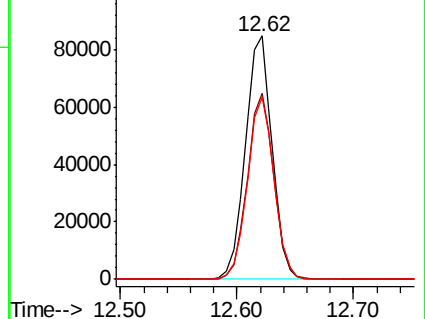
176 74.4 0.0 144.4



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: VW011753.D

Acq: 07 Aug 2019 16:05

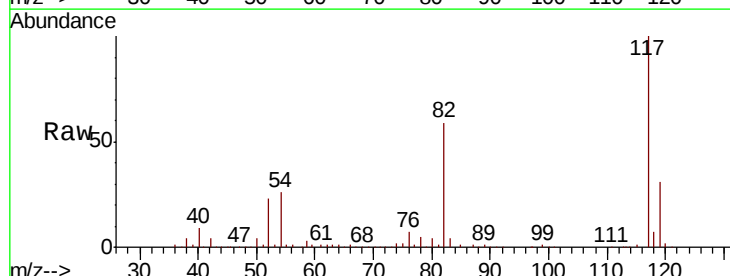
Tgt Ion: 117 Resp: 291006

Ion Ratio Lower Upper

117 100

82 58.7 47.9 71.9

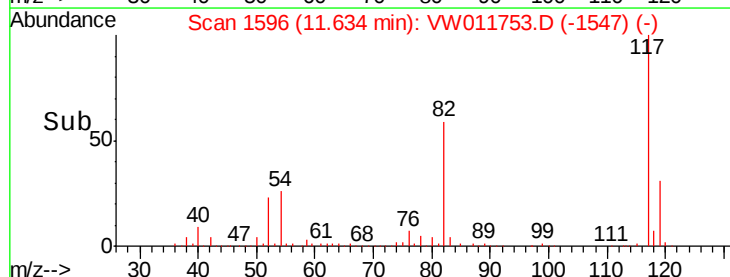
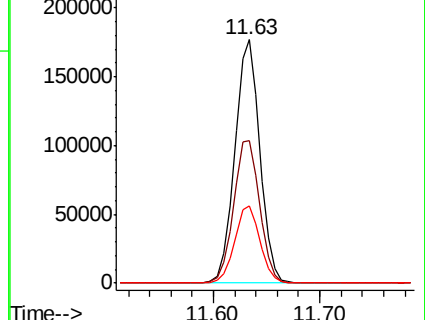
119 31.5 26.2 39.2

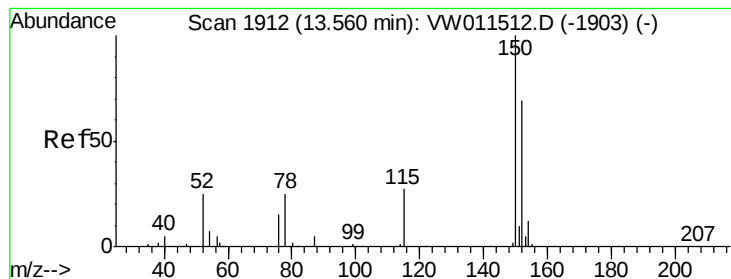


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011753.D

Acq: 07 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

SB-02(10-12)

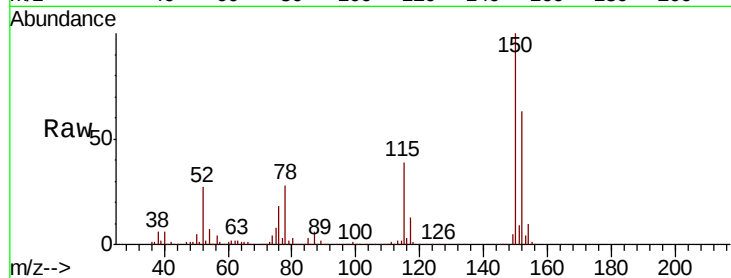
Tgt Ion:152 Resp: 117377

Ion Ratio Lower Upper

152 100

115 61.2 30.5 91.5

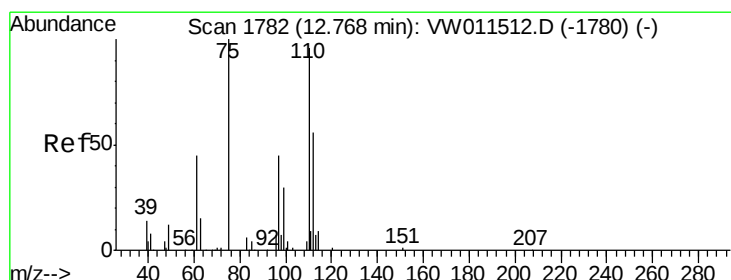
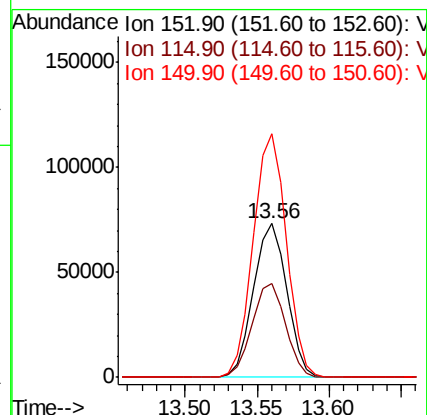
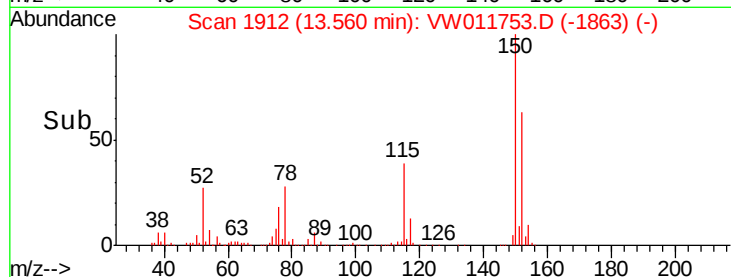
150 157.0 0.0 352.6



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: 59.873 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011753.D

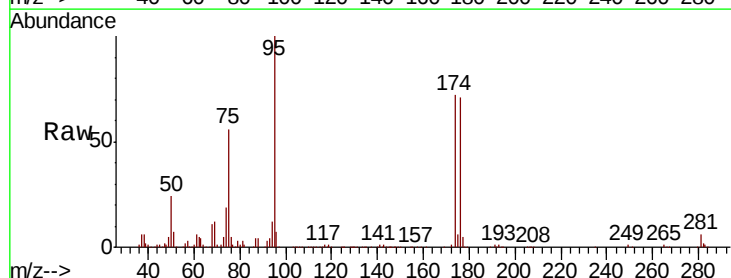
Acq: 07 Aug 2019 16:05

Tgt Ion: 75 Resp: 74361

Ion Ratio Lower Upper

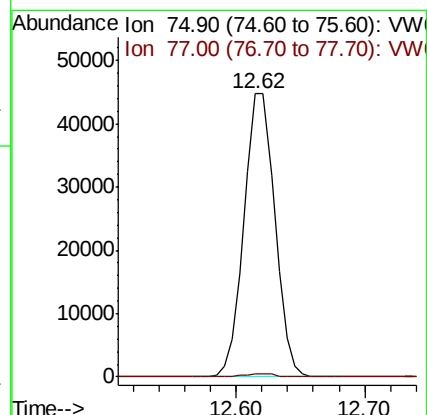
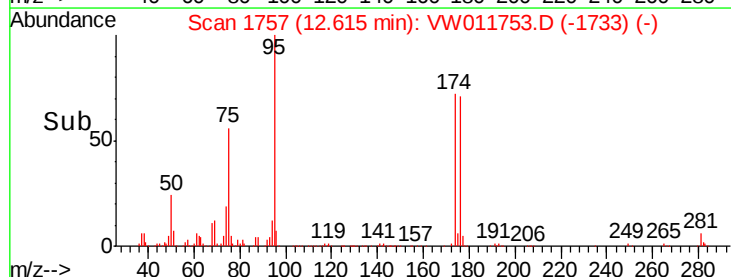
75 100

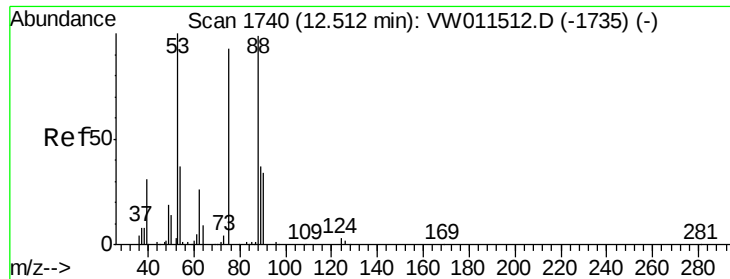
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 137.986 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011753.D

Acq: 07 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

SB-02(10-12)

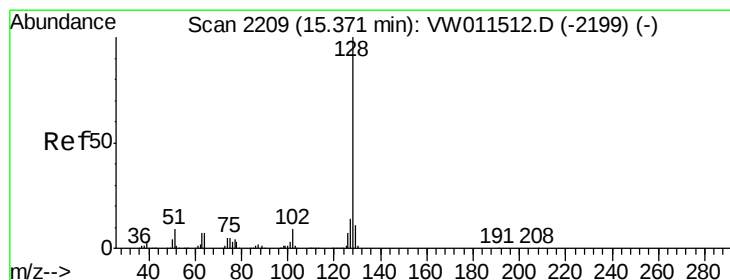
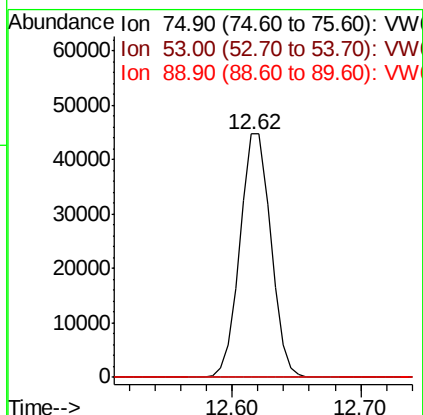
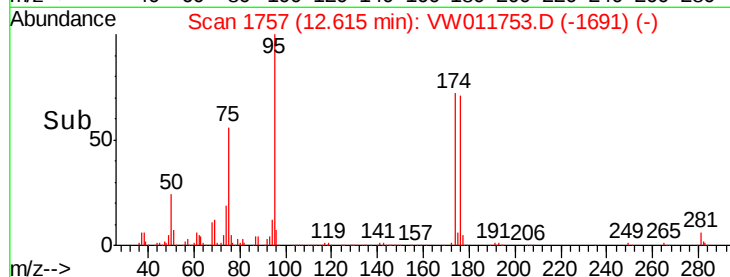
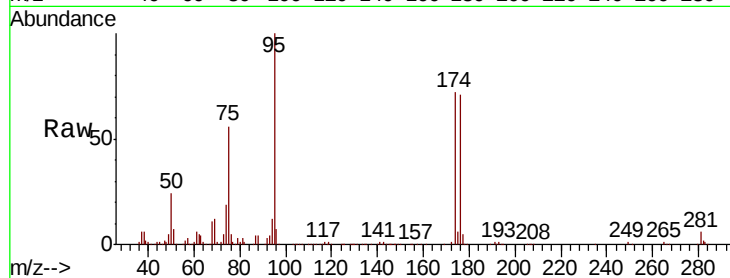
Tgt Ion: 75 Resp: 74361

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.1 35.3 52.9#



#95

Naphthalene

Concen: 2.098 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011753.D

Acq: 07 Aug 2019 16:05

Tgt Ion: 128 Resp: 156

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 14.7 8.6 13.0#

