

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090719\
 Data File : VW012751.D
 Acq On : 08 Sep 2019 06:41
 Operator : SY/VA
 Sample : K4636-03
 Misc : 5.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-20-9.5-10.0

Quant Time: Sep 09 04:06:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

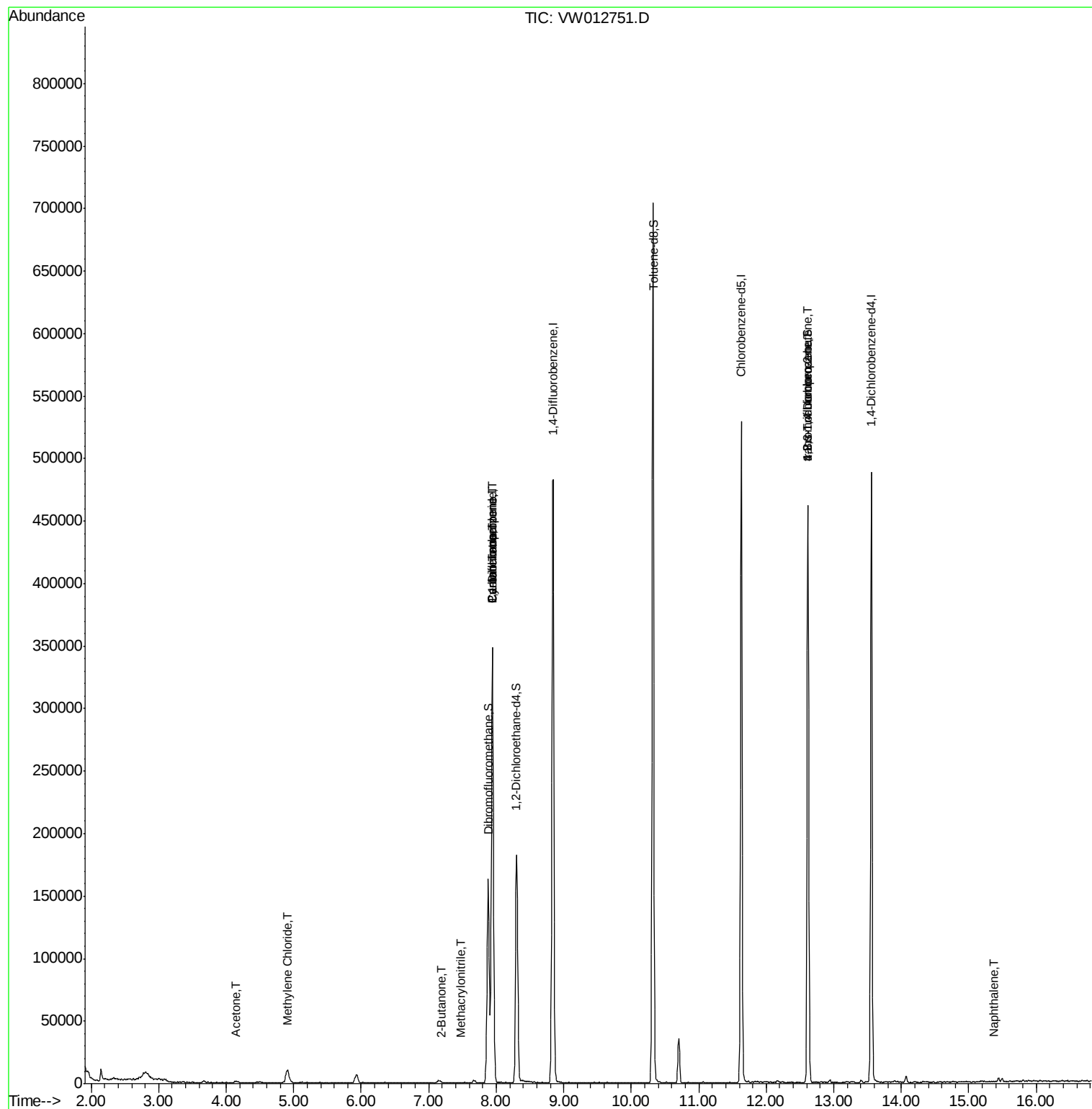
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	260124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126332	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	154242	53.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.14%	
35) Dibromofluoromethane	7.88	113	116242	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
50) Toluene-d8	10.32	98	443265	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.62	95	141619	43.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.44%	
Target Compounds						
					Qvalue	
16) Acetone	4.14	43	3180	4.013	ug/l	97
20) Methylene Chloride	4.91	84	7482	3.018	ug/l	98
25) 2-Butanone	7.19	43	116	19.772	ug/l #	53
31) Cyclohexane	7.95	56	5972	1.398	ug/l #	11
36) 1,1-Dichloropropene	7.94	75	20931	6.080	ug/l #	51
38) Carbon Tetrachloride	7.95	117	26390	7.776	ug/l #	16
41) Methacrylonitrile	7.48	41	64	3.878	ug/l #	24
76) 1,2,3-Trichloropropane	12.62	75	79061	61.202	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79061	129.447	ug/l #	6
95) Naphthalene	15.36	128	186	4.471	ug/l #	67

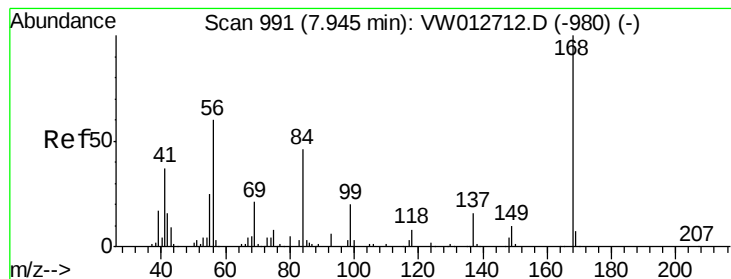
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090719\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012751.D

Acq: 08 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

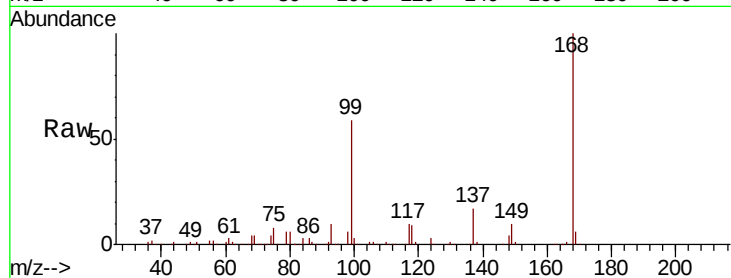
SB-20-9.5-10.0

Tgt Ion:168 Resp: 260124

Ion Ratio Lower Upper

168 100

99 59.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

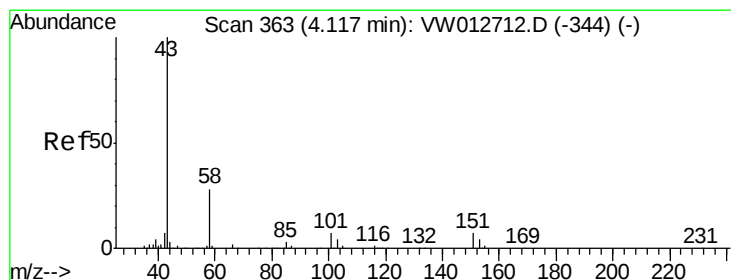
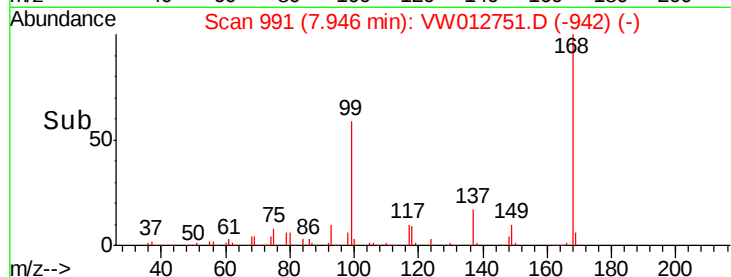
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 4.013 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012751.D

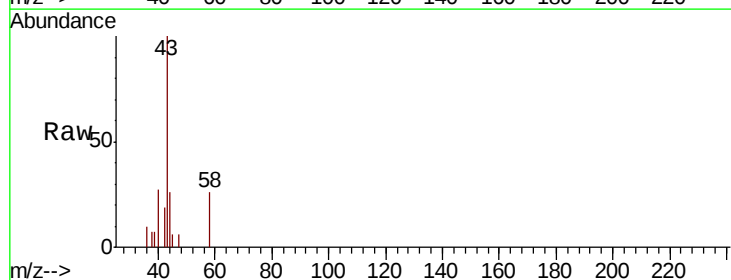
Acq: 08 Sep 2019 06:41

Tgt Ion: 43 Resp: 3180

Ion Ratio Lower Upper

43 100

58 26.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

1000

800

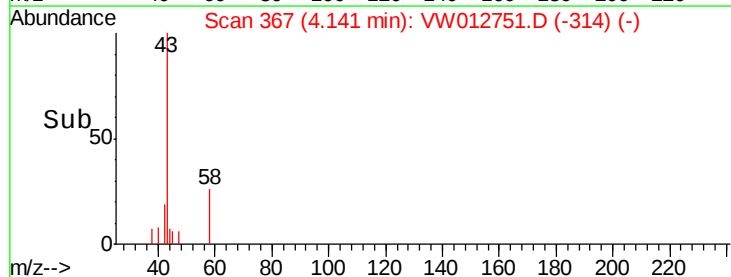
600

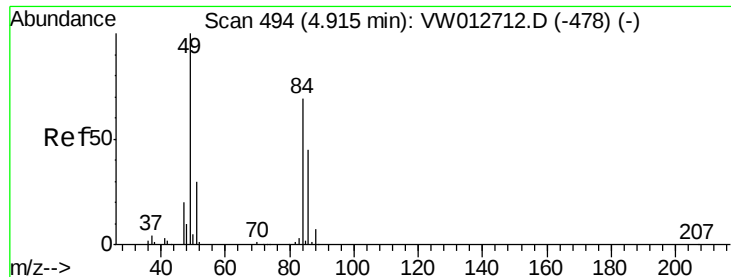
400

200

0

Time--> 4.10 4.20 4.30





#20

Methylene Chloride

Concen: 3.018 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012751.D

Acq: 08 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

SB-20-9.5-10.0

Tgt Ion: 84 Resp: 7482

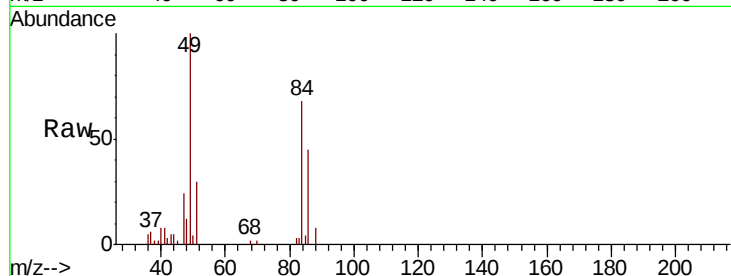
Ion Ratio Lower Upper

84 100

49 147.7 115.4 173.0

51 44.0 34.9 52.3

86 66.3 52.2 78.4

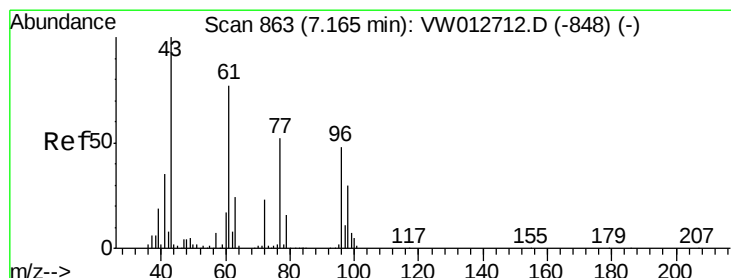
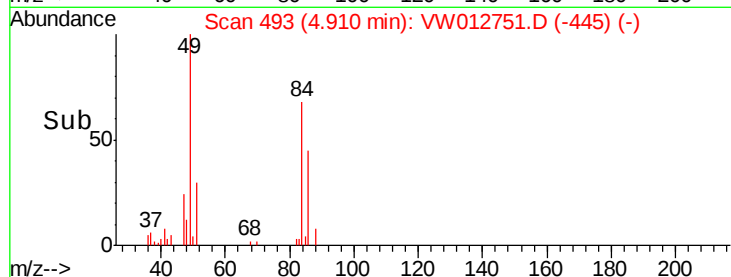
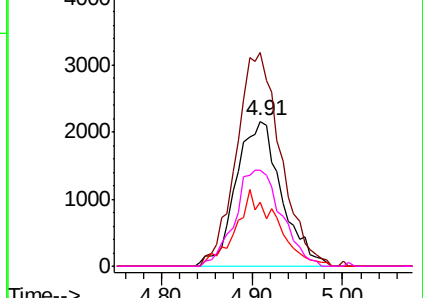


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 19.772 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW012751.D

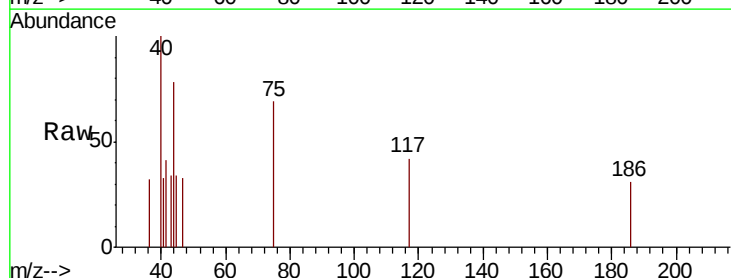
Acq: 08 Sep 2019 06:41

Tgt Ion: 43 Resp: 116

Ion Ratio Lower Upper

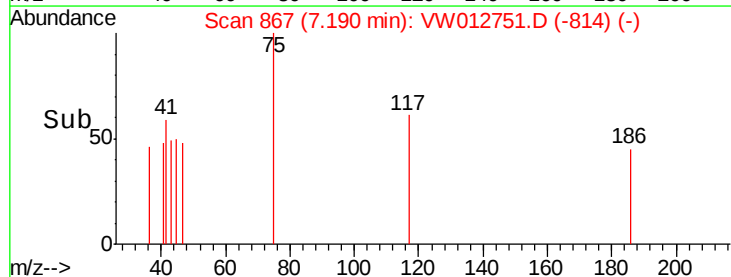
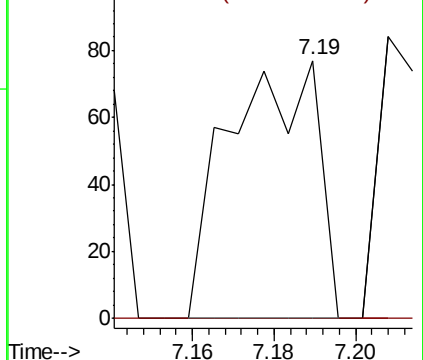
43 100

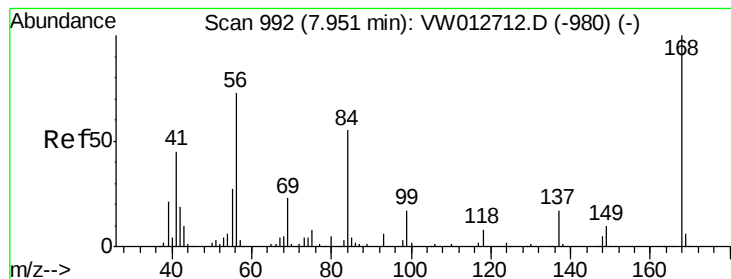
72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.398 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012751.D

Acq: 08 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

SB-20-9.5-10.0

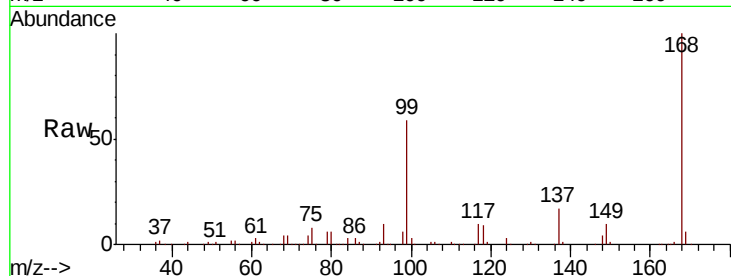
Tgt Ion: 56 Resp: 5972

Ion Ratio Lower Upper

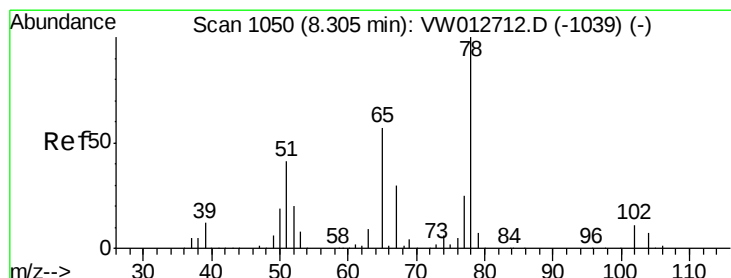
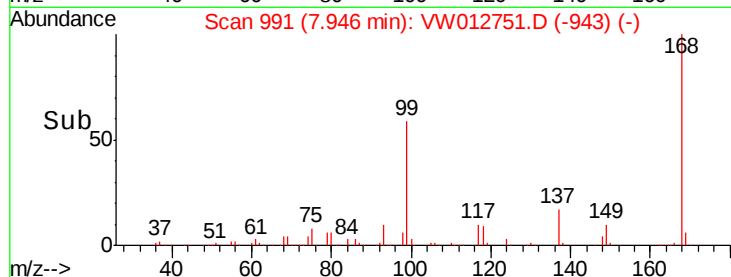
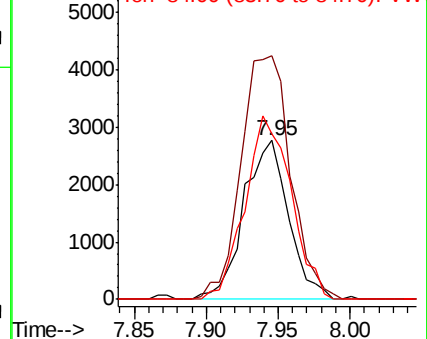
56 100

69 153.4 25.7 38.5#

84 104.5 60.4 90.6#



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: 53.069 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012751.D

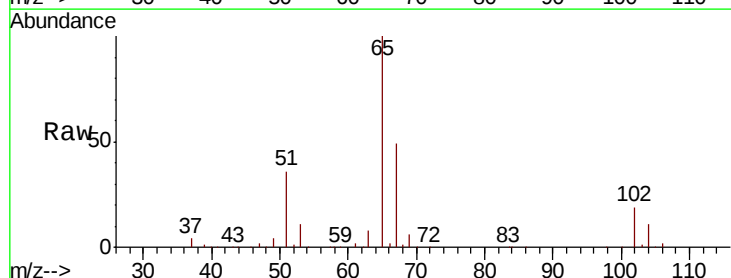
Acq: 08 Sep 2019 06:41

Tgt Ion: 65 Resp: 154242

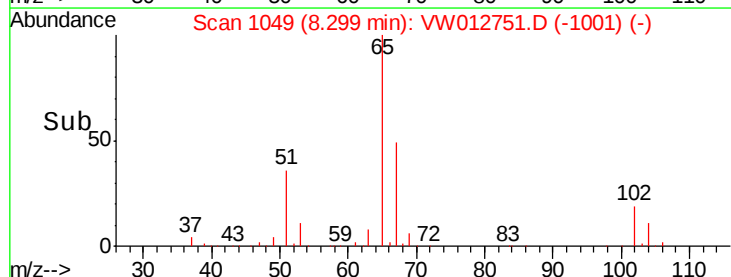
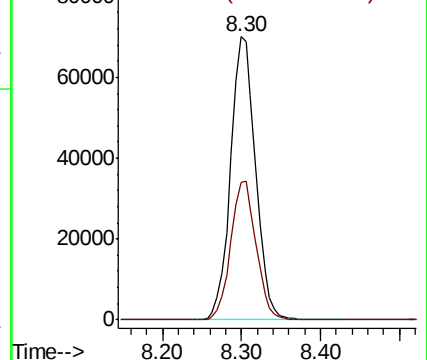
Ion Ratio Lower Upper

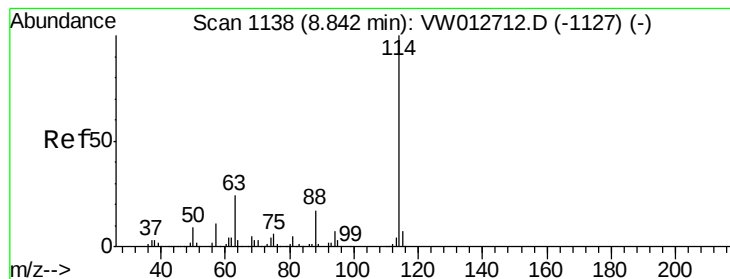
65 100

67 49.7 0.0 101.8



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: VW012751.D

Acq: 08 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

SB-20-9.5-10.0

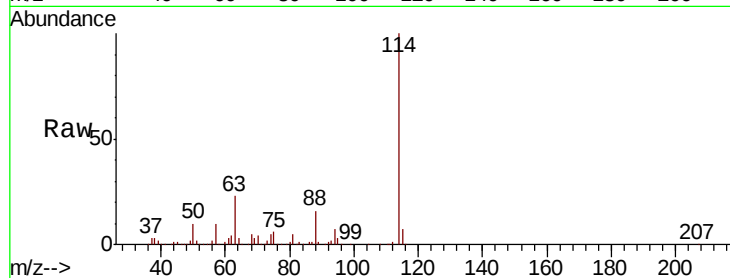
Tgt Ion:114 Resp: 387478

Ion Ratio Lower Upper

114 100

63 23.5 0.0 47.2

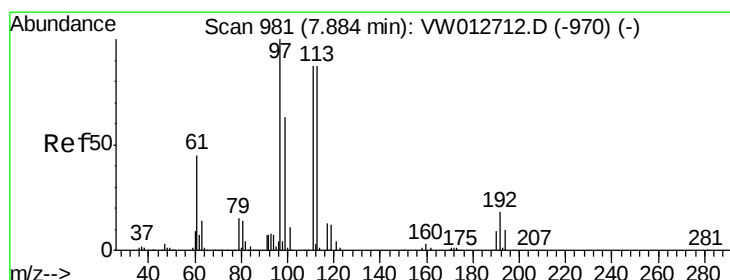
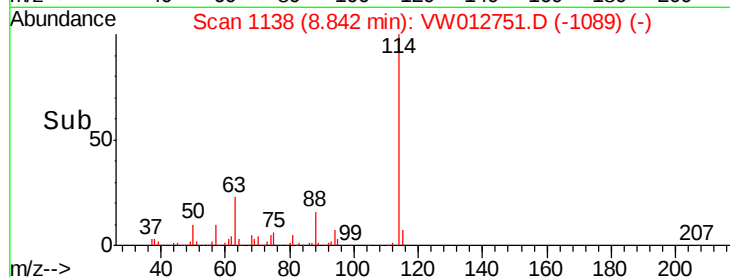
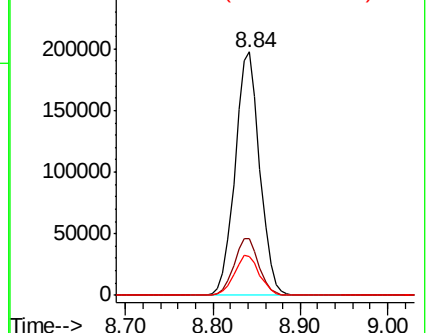
88 16.1 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 50.460 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012751.D

Acq: 08 Sep 2019 06:41

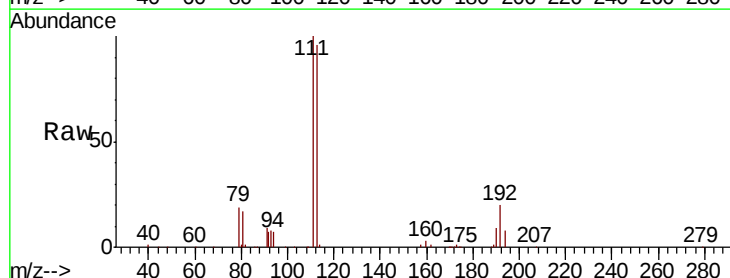
Tgt Ion:113 Resp: 116242

Ion Ratio Lower Upper

113 100

111 103.7 80.2 120.4

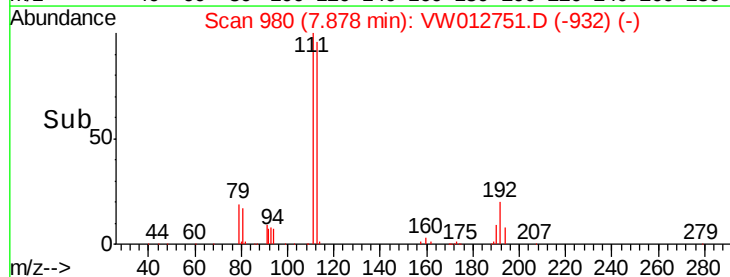
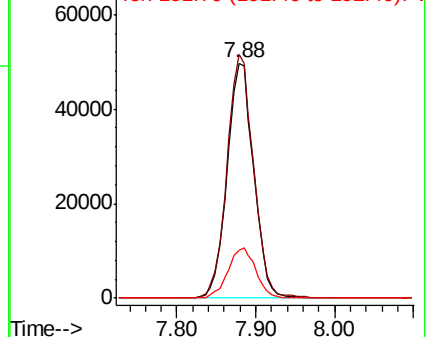
192 22.1 17.3 25.9

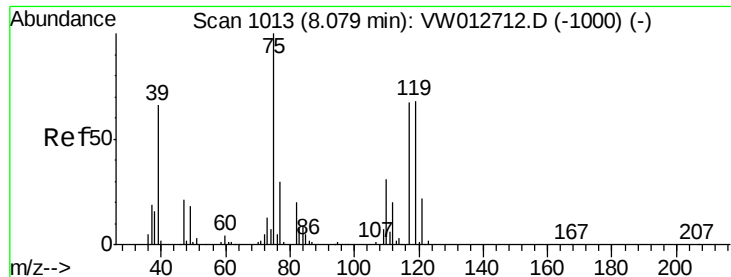


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

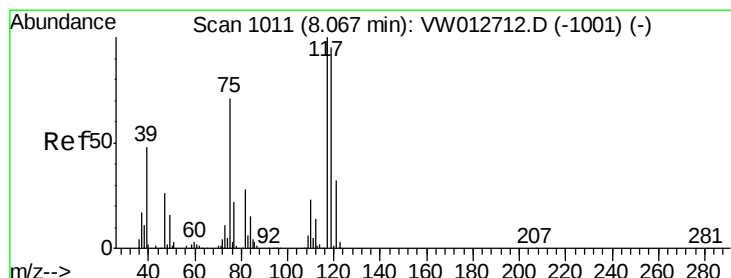
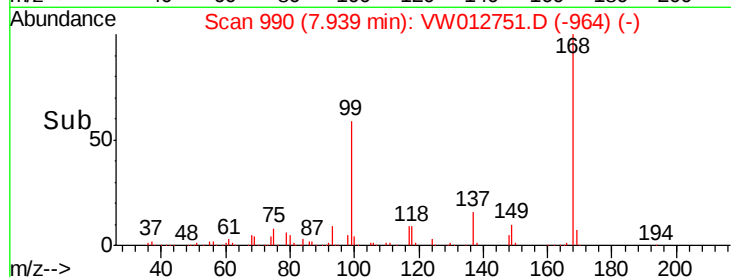
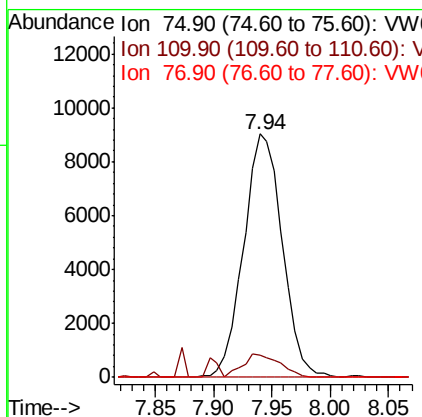
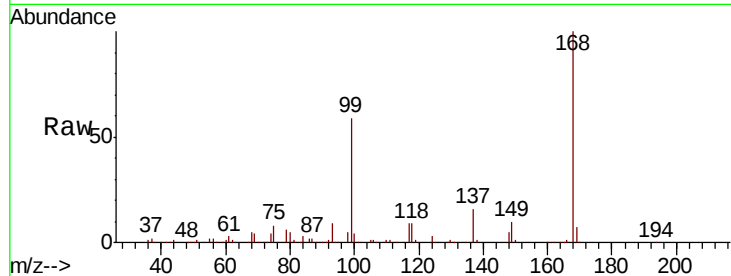




#36
 1,1-Dichloropropene
 Concen: 6.080 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012751.D
 Acq: 08 Sep 2019 06:41

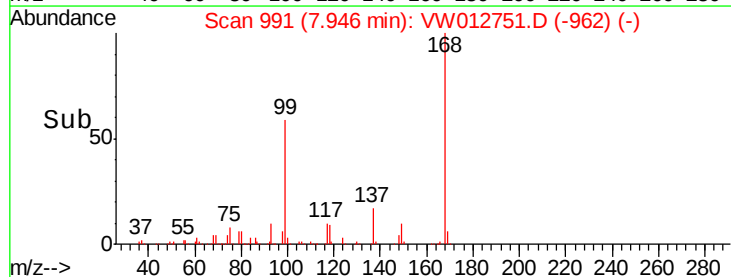
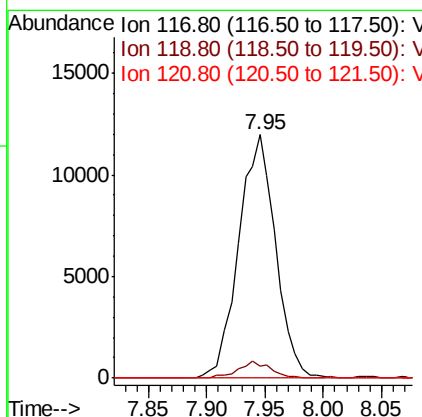
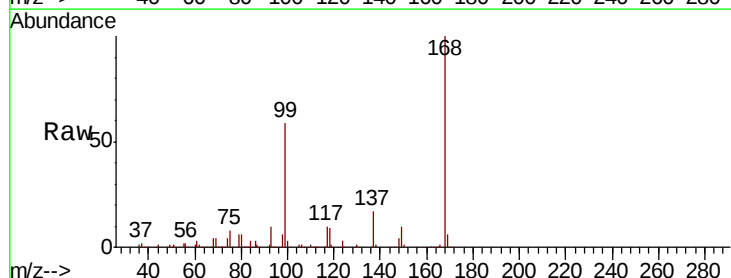
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-20-9.5-10.0

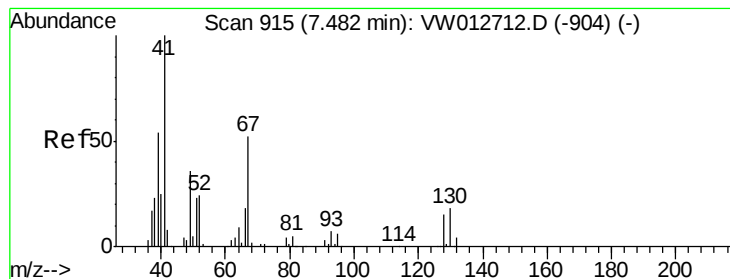
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.776 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012751.D
 Acq: 08 Sep 2019 06:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.2	114.2#
121	0.0	25.4	38.2#





#41

Methacrylonitrile

Concen: 3.878 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW012751.D

Acq: 08 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

SB-20-9.5-10.0

Tgt Ion: 41 Resp: 64

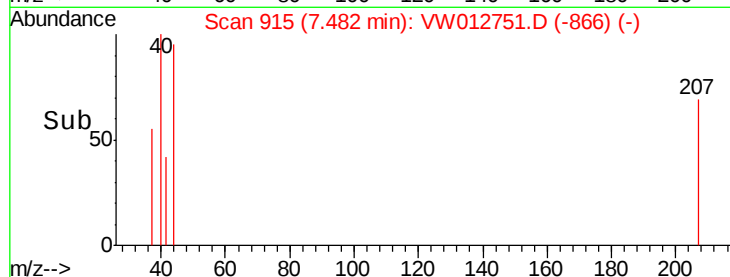
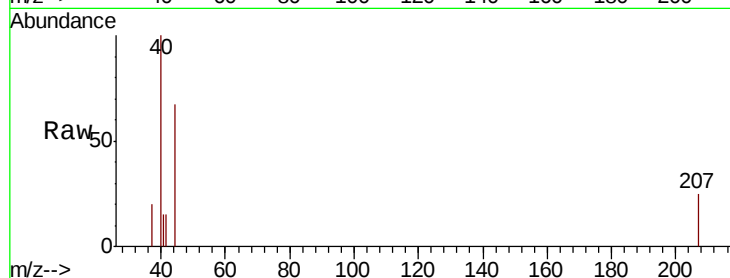
Ion Ratio Lower Upper

41 100

39 125.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

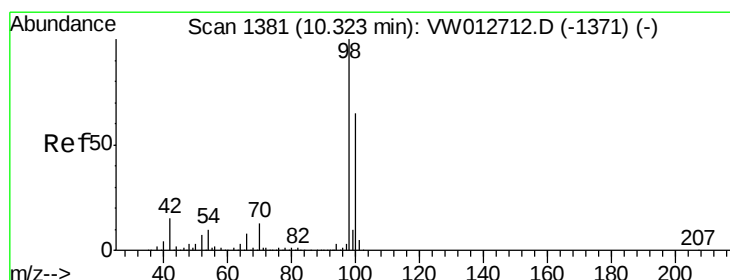
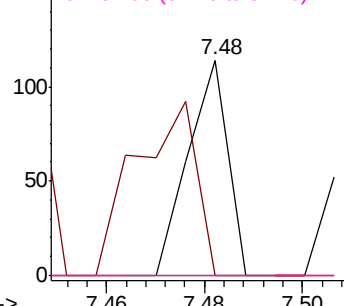


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 49.114 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012751.D

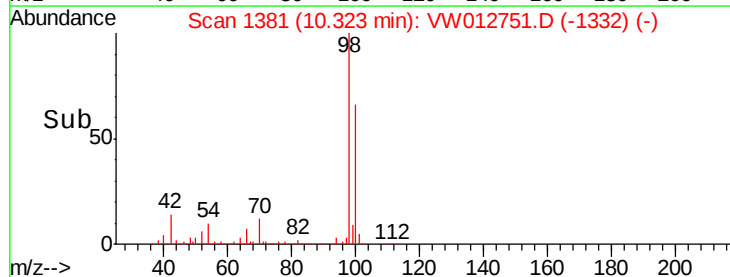
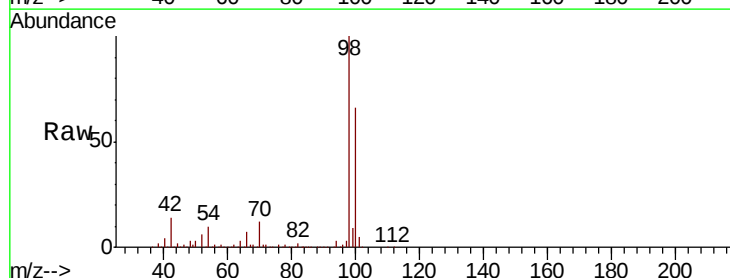
Acq: 08 Sep 2019 06:41

Tgt Ion: 98 Resp: 443265

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

Ion 100.00 (99.70 to 100.70): VW

Ion 100.00 (99.70 to 100.70): VW

Ion 100.00 (99.70 to 100.70): VW

Ion 100.00 (99.70 to 100.70): VW

Ion 100.00 (99.70 to 100.70): VW

Ion 100.00 (99.70 to 100.70): VW

Ion 100.00 (99.70 to 100.70): VW

Ion 100.00 (99.70 to 100.70): VW

Ion 100.00 (99.70 to 100.70): VW

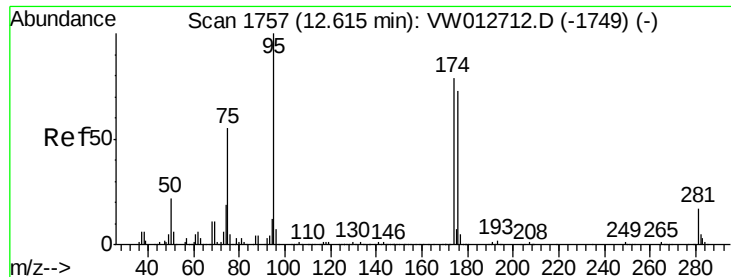
Ion 100.00 (99.70 to 100.70): VW

Ion 100.00 (99.70 to 100.70): VW

Ion 100.00 (99.70 to 100.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->



#62

4-Bromofluorobenzene

Concen: 43.224 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012751.D

Acq: 08 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

SB-20-9.5-10.0

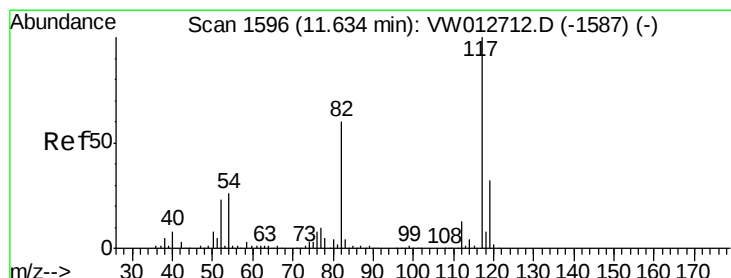
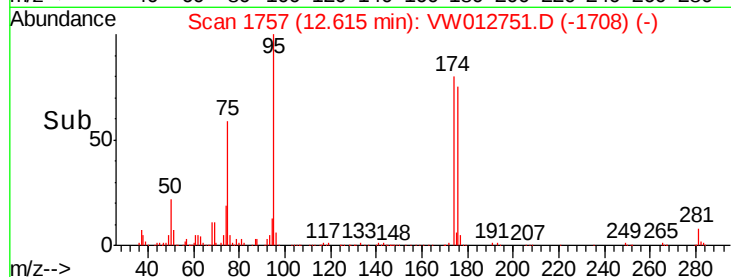
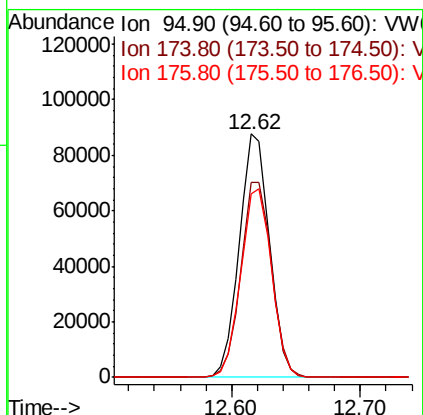
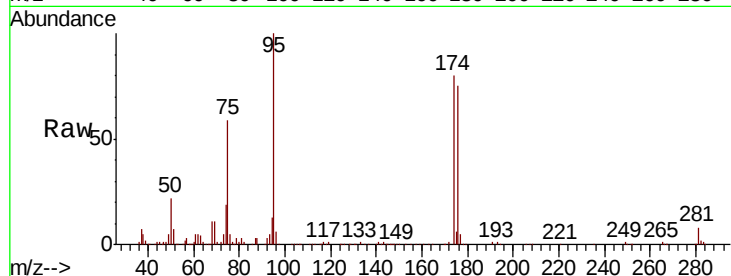
Tgt Ion: 95 Resp: 141619

Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.0

176 79.0 0.0 156.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012751.D

Acq: 08 Sep 2019 06:41

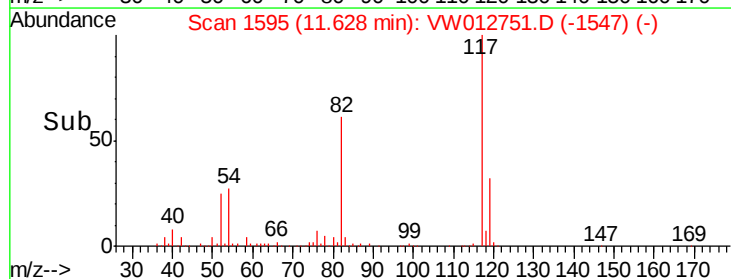
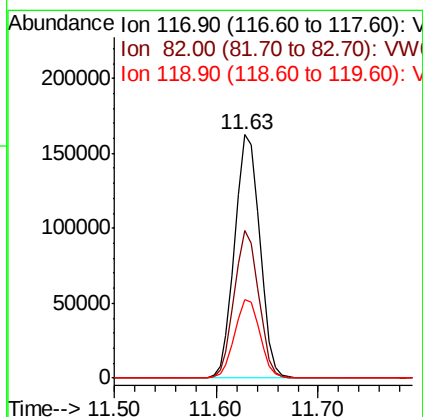
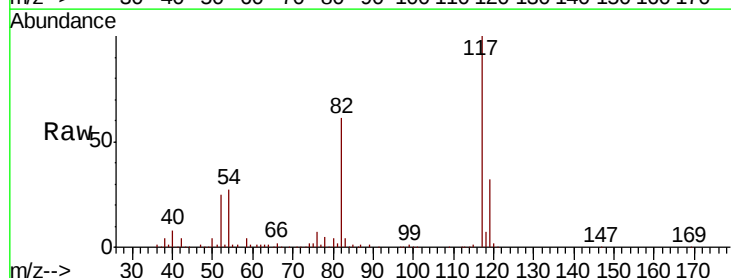
Tgt Ion: 117 Resp: 276639

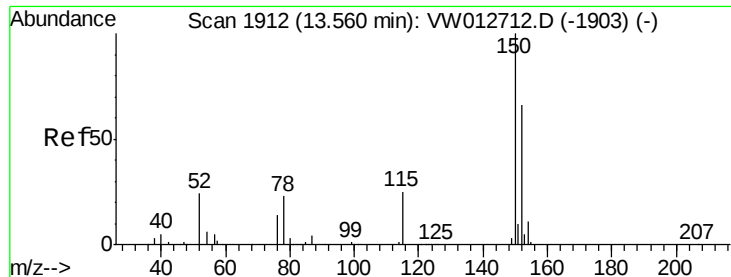
Ion Ratio Lower Upper

117 100

82 60.6 48.2 72.4

119 31.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012751.D

Acq: 08 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

SB-20-9.5-10.0

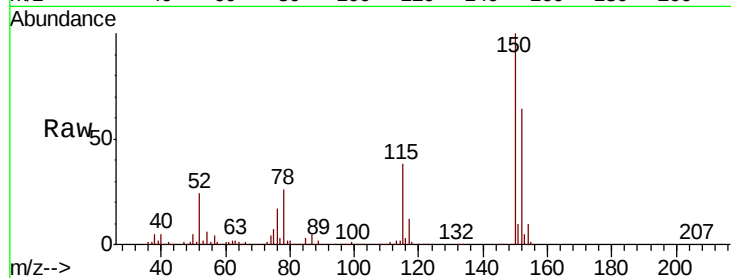
Tgt Ion: 152 Resp: 126332

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.1

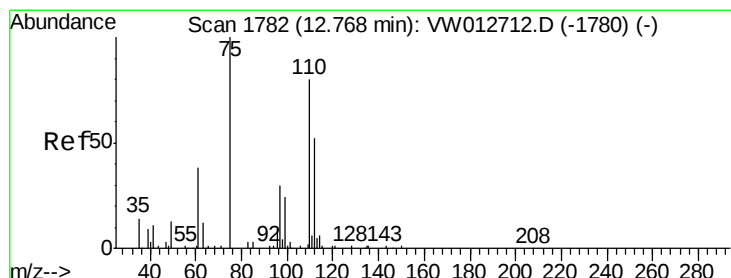
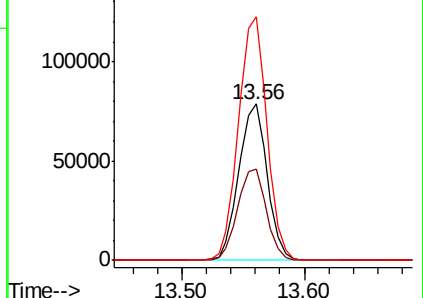
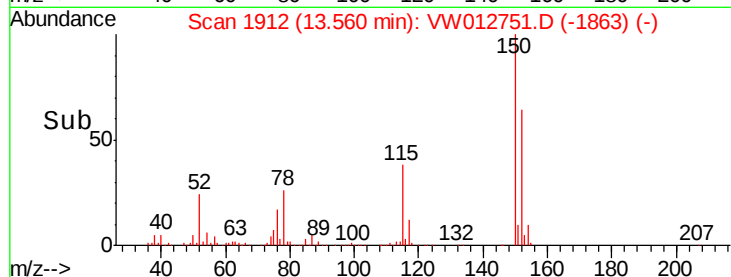
150 155.8 0.0 349.0



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: 61.202 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012751.D

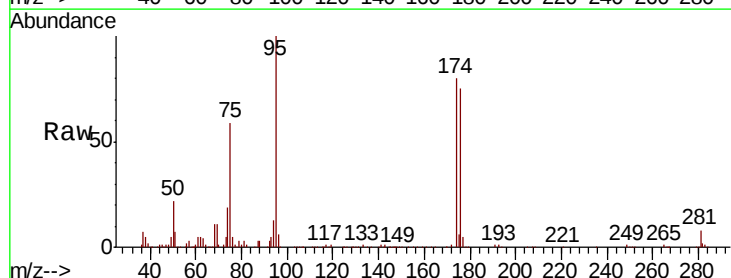
Acq: 08 Sep 2019 06:41

Tgt Ion: 75 Resp: 79061

Ion Ratio Lower Upper

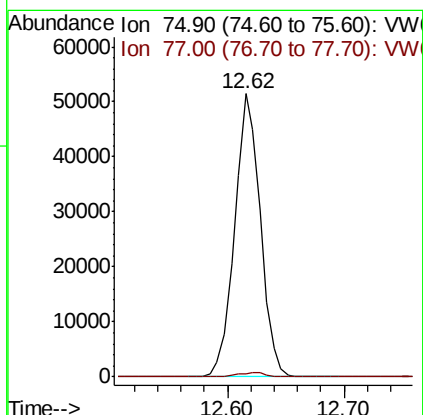
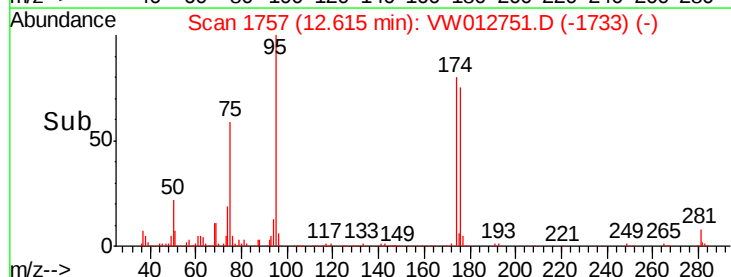
75 100

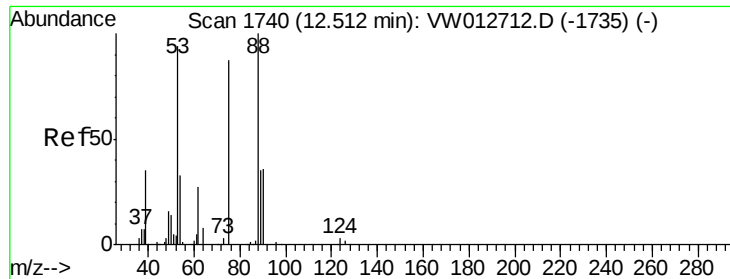
77 1.6 0.0 0.0#



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: 129.447 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012751.D

Acq: 08 Sep 2019 06:41

Instrument :

MSVOA_W

ClientSampleId :

SB-20-9.5-10.0

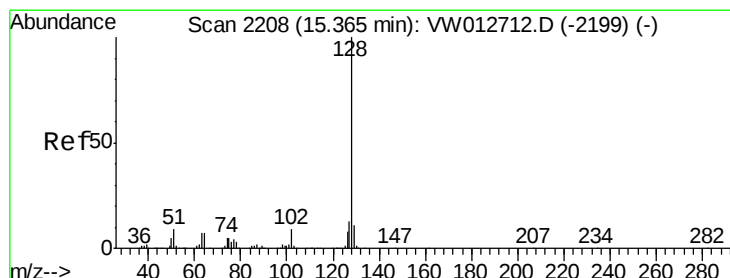
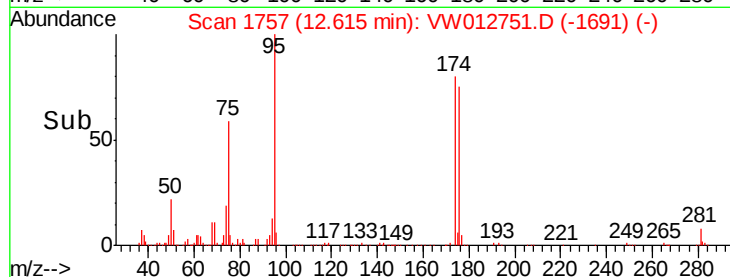
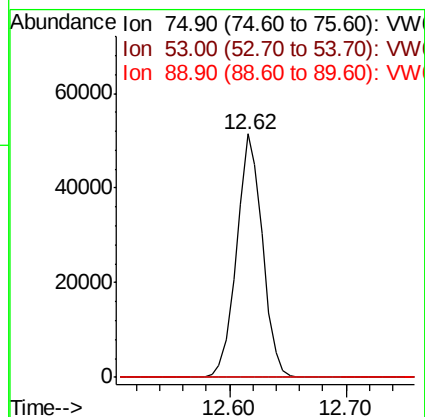
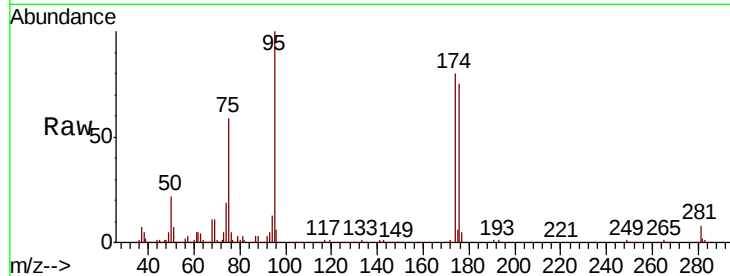
Tgt Ion: 75 Resp: 79061

Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.2 35.5 53.3#



#95

Naphthalene

Concen: 4.471 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012751.D

Acq: 08 Sep 2019 06:41

Tgt Ion: 128 Resp: 186

Ion Ratio Lower Upper

128 100

127 28.0 10.7 16.1#

129 0.0 8.7 13.1#

