

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
 Data File : VW012911.D
 Acq On : 11 Sep 2019 12:32
 Operator : SY/VA
 Sample : K4692-05
 Misc : 5.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-30-9.5-10.0

Quant Time: Sep 11 12:55:39 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	201422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	294453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	176459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	34305	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	109168	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	7.88	113	92780	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
50) Toluene-d8	10.32	98	315943	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
62) 4-Bromofluorobenzene	12.62	95	55207	22.17	ug/l	0.00
Spiked Amount			Recovery	=	44.34%	

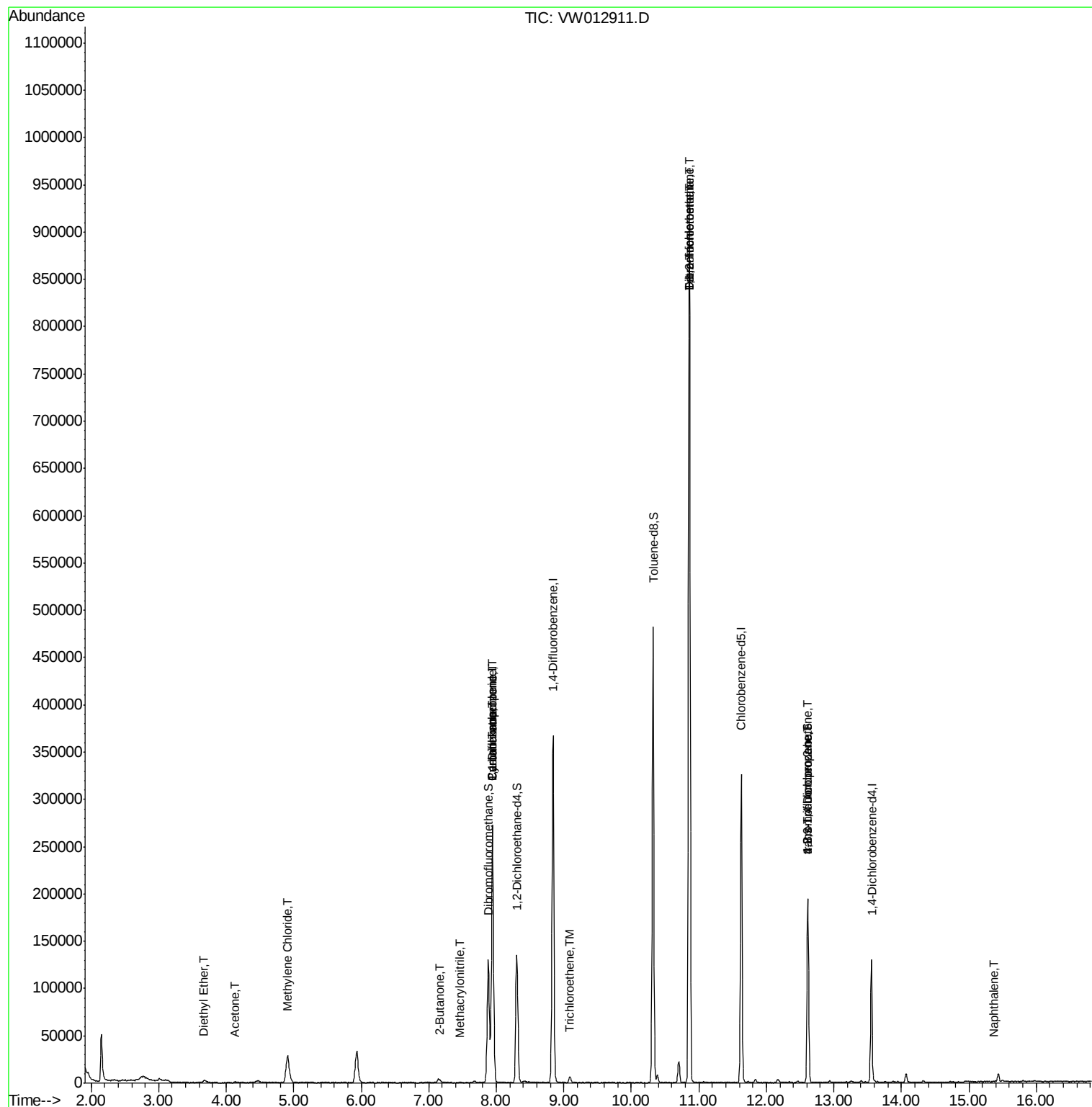
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1020	1.081	ug/l	72
16) Acetone	4.14	43	1883	3.069	ug/l #	85
20) Methylene Chloride	4.90	84	21960	11.441	ug/l	88
25) 2-Butanone	7.16	43	158	19.841	ug/l #	53
31) Cyclohexane	7.94	56	4780	1.445	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	15686	5.996	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19635	7.613	ug/l #	17
41) Methacrylonitrile	7.46	41	91	3.913	ug/l #	27
44) Trichloroethene	9.09	130	1977	1.057	ug/l	78
55) 1,1,2-Trichloroethane	10.85	97	2096	1.469	ug/l #	32
60) Dibromochloromethane	10.86	129	178164	106.137	ug/l #	11
64) Tetrachloroethene	10.86	164	216801	202.483	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	30122	85.871	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	30122	181.622	ug/l #	6
95) Naphthalene	15.37	128	553	4.789	ug/l #	76

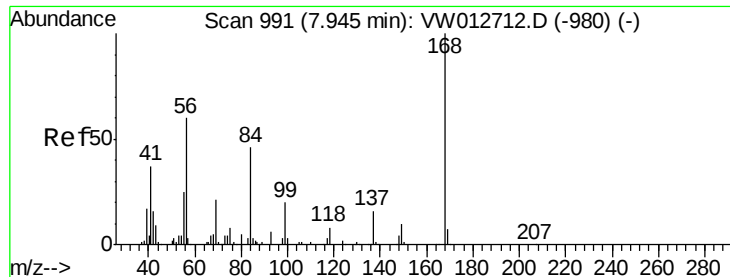
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012911.D

Acq: 11 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampleId :

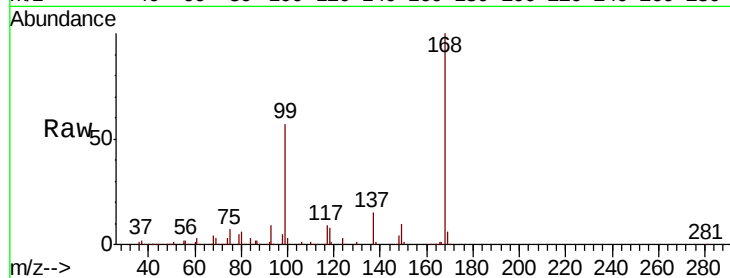
SB-30-9.5-10.0

Tgt Ion:168 Resp: 201422

Ion Ratio Lower Upper

168 100

99 56.5 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

80000

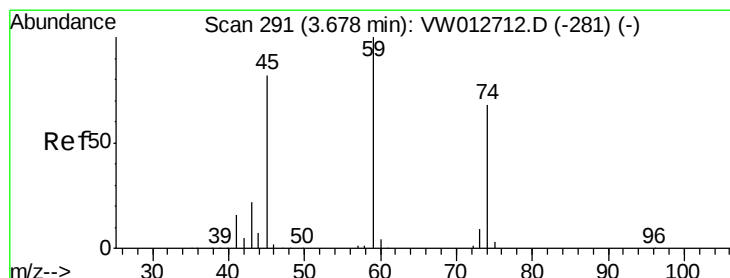
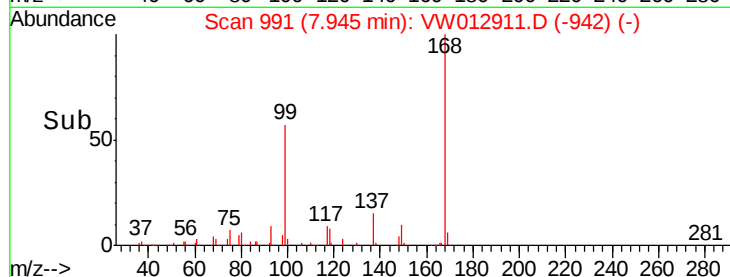
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.081 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012911.D

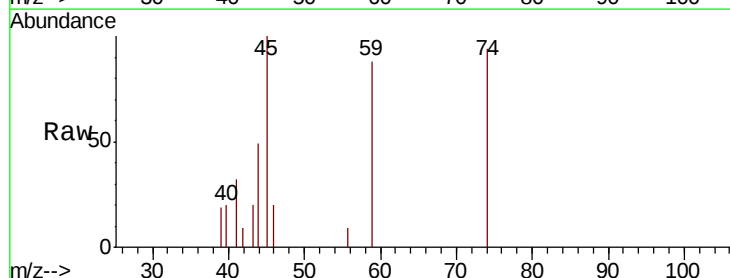
Acq: 11 Sep 2019 12:32

Tgt Ion: 74 Resp: 1020

Ion Ratio Lower Upper

74 100

45 148.3 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

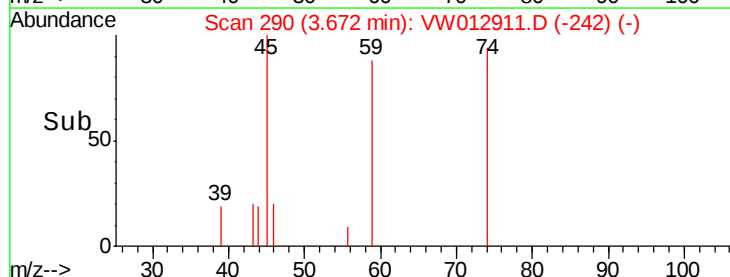
600

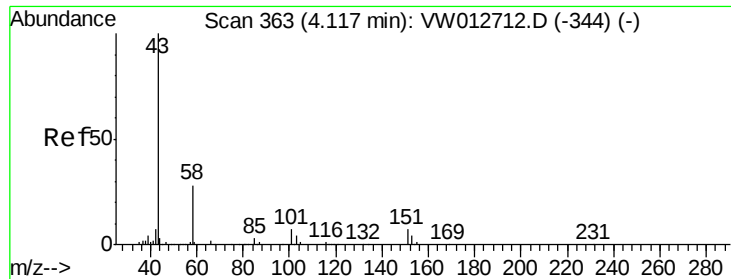
400

200

0

Time--> 3.60 3.65 3.70





#16

Acetone

Concen: 3.069 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012911.D

Acq: 11 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampleId :

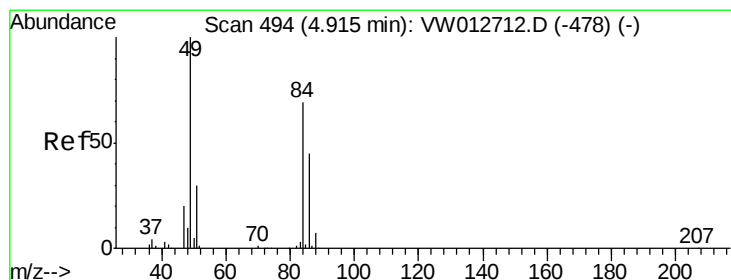
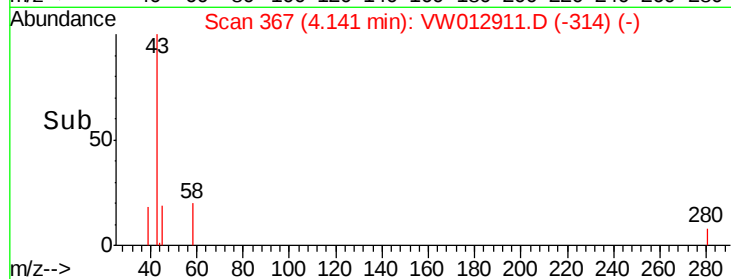
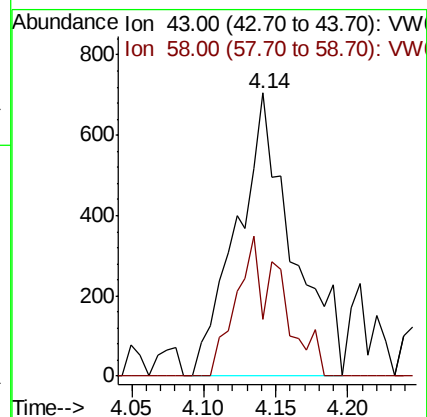
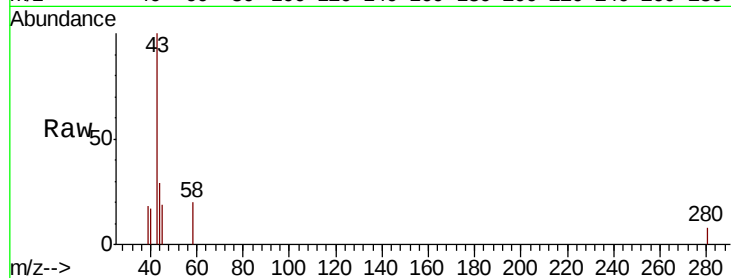
SB-30-9.5-10.0

Tgt Ion: 43 Resp: 1883

Ion Ratio Lower Upper

43 100

58 20.3 22.6 33.8#



#20

Methylene Chloride

Concen: 11.441 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012911.D

Acq: 11 Sep 2019 12:32

Tgt Ion: 84 Resp: 21960

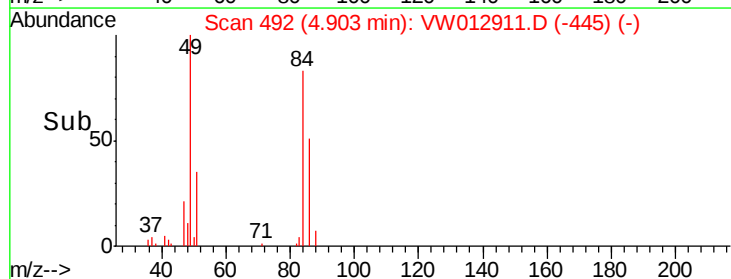
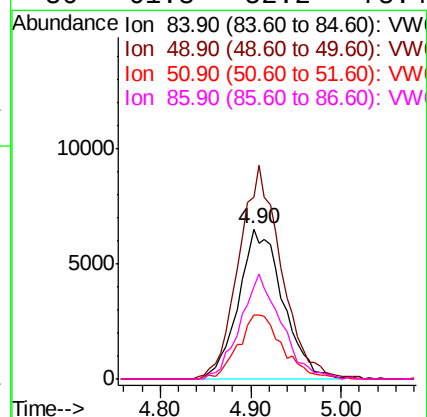
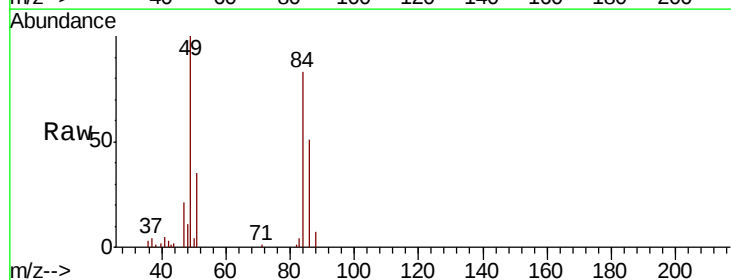
Ion Ratio Lower Upper

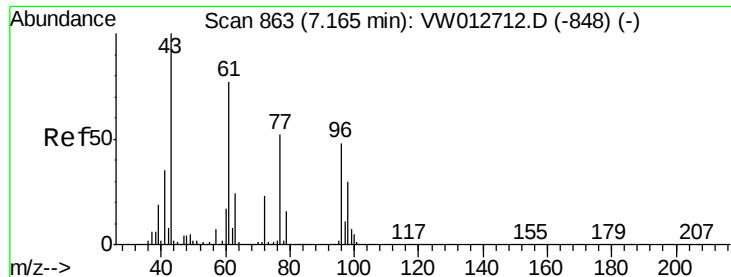
84 100

49 120.7 115.4 173.0

51 42.8 34.9 52.3

86 61.3 52.2 78.4





#25

2-Butanone

Concen: 19.841 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012911.D

Acq: 11 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampleId :

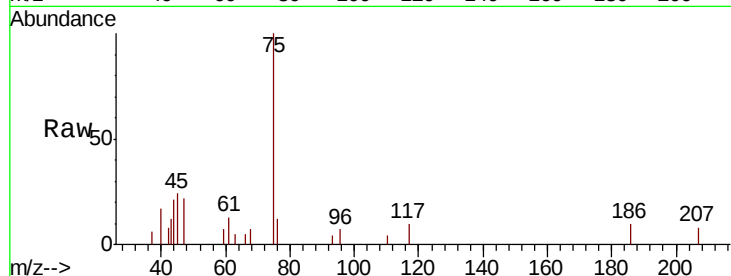
SB-30-9.5-10.0

Tgt Ion: 43 Resp: 158

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

7.16

150

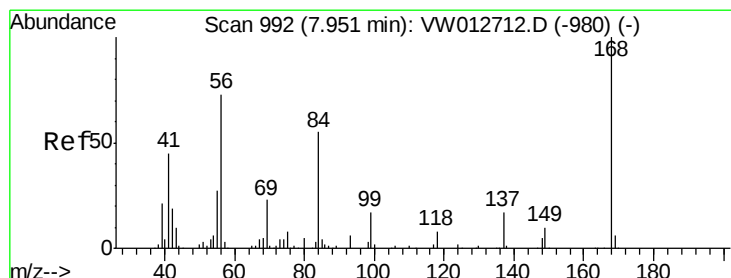
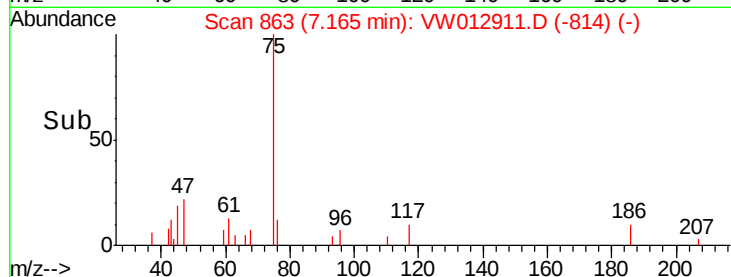
100

50

0

7.14 7.16 7.18

Time-->



#31

Cyclohexane

Concen: 1.445 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012911.D

Acq: 11 Sep 2019 12:32

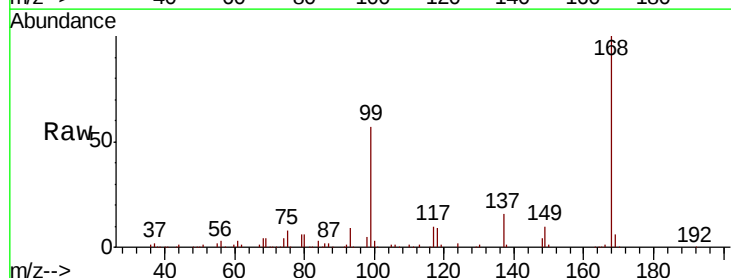
Tgt Ion: 56 Resp: 4780

Ion Ratio Lower Upper

56 100

69 149.2 25.7 38.5#

84 100.3 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

4000

3000

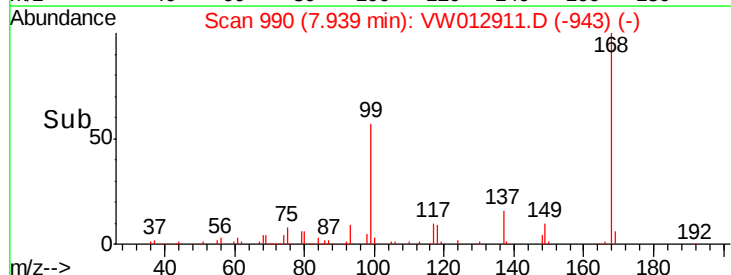
2000

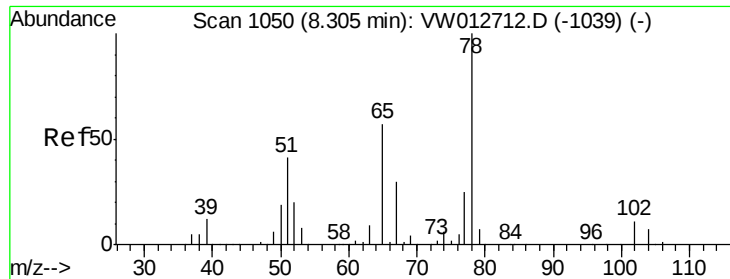
1000

0

7.85 7.90 7.95 8.00

Time-->

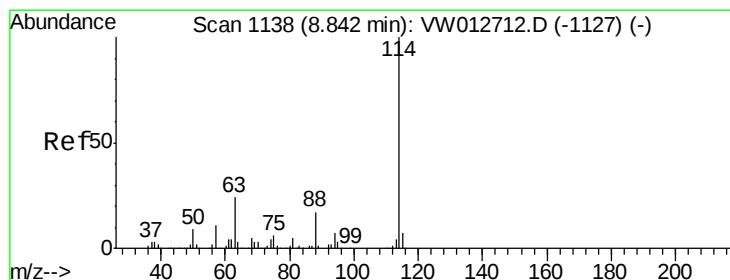
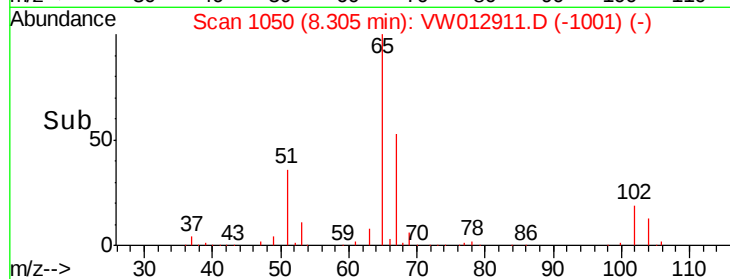
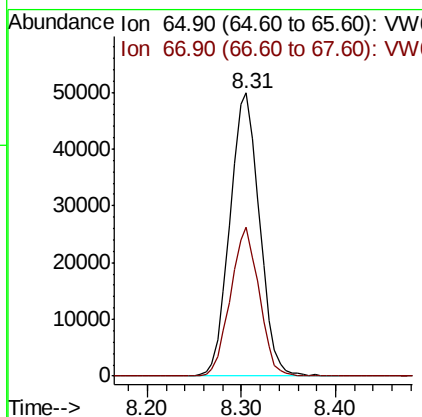
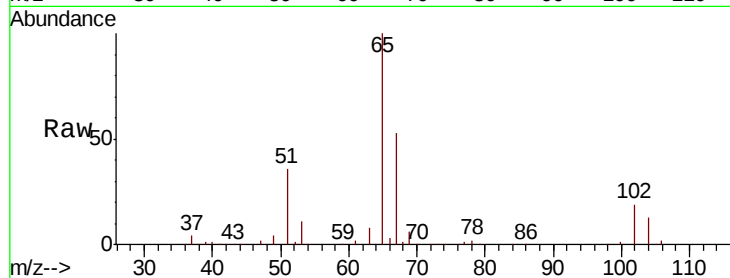




#33
 1,2-Dichloroethane-d4
 Concen: 48.507 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012911.D
 Acq: 11 Sep 2019 12:32

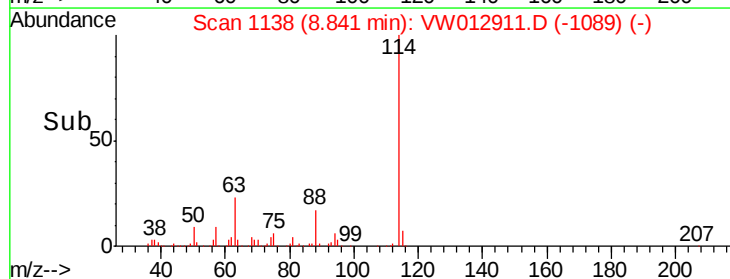
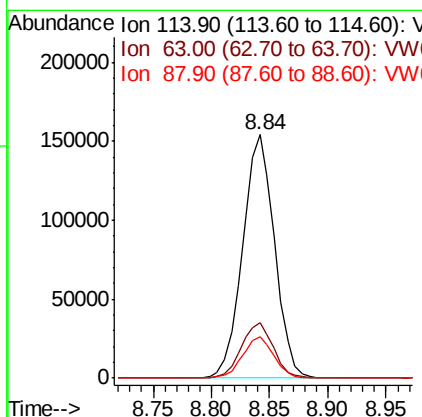
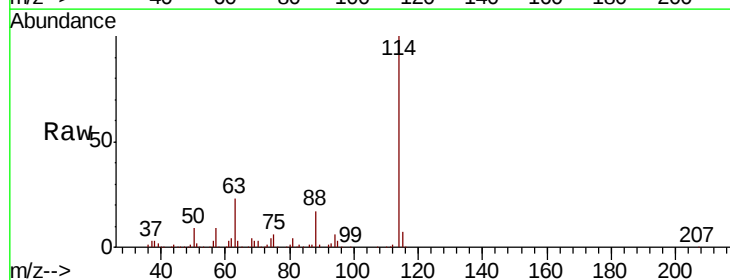
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-30-9.5-10.0

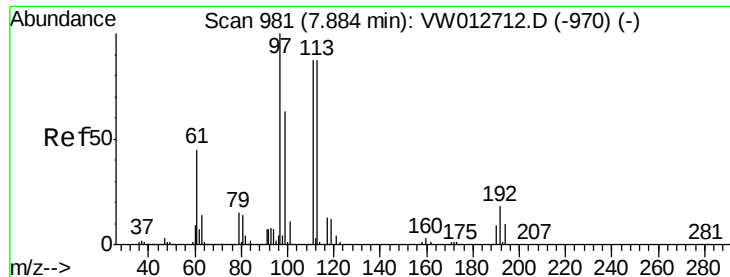
Tgt Ion: 65 Resp: 109168
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012911.D
 Acq: 11 Sep 2019 12:32

Tgt Ion: 114 Resp: 294453
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.2
 88 17.0 0.0 34.0

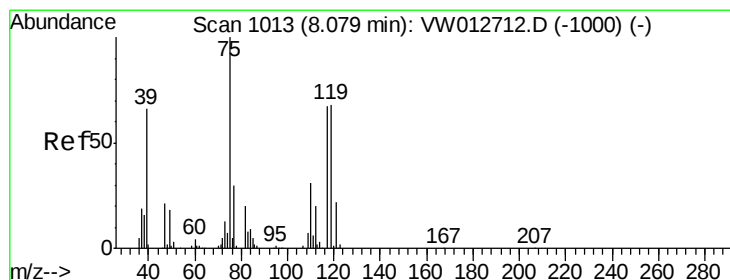
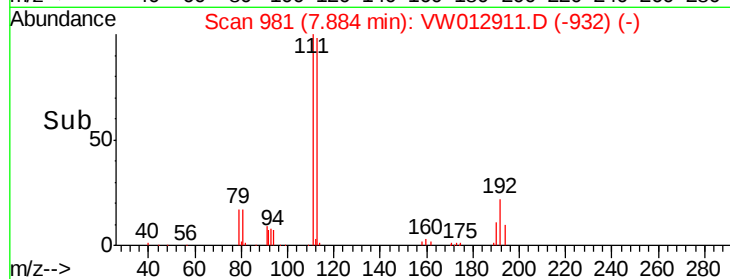
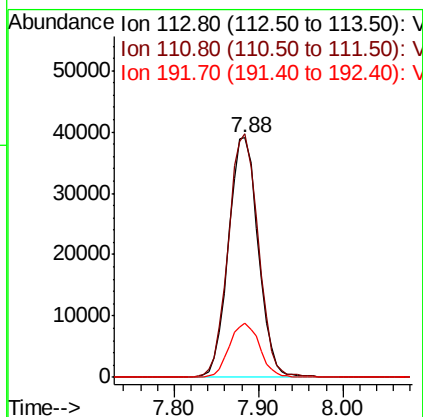
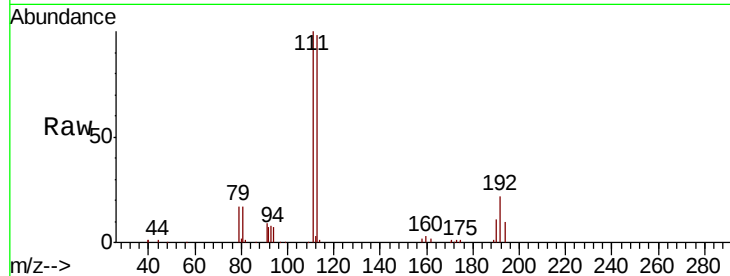




#35
 Dibromofluoromethane
 Concen: 52.999 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012911.D
 Acq: 11 Sep 2019 12:32

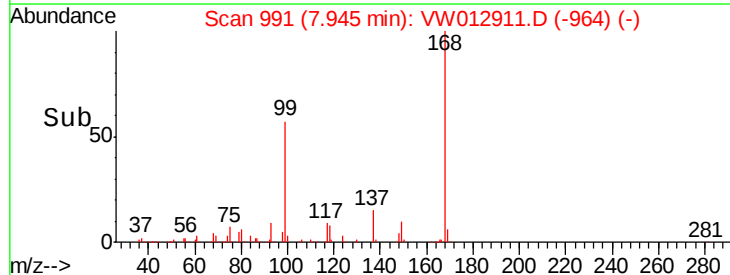
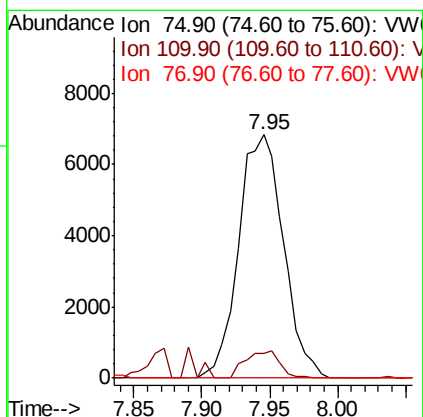
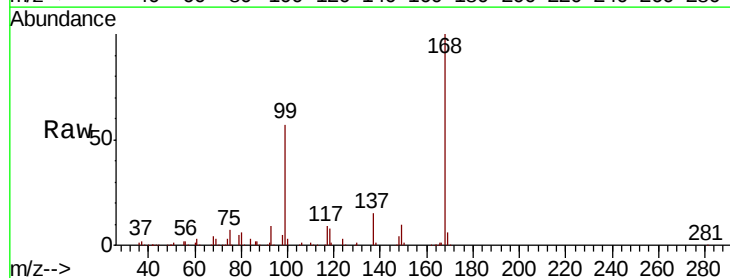
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-30-9.5-10.0

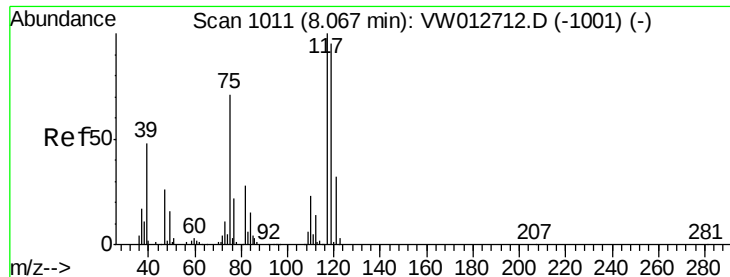
Tgt Ion: 113 Resp: 92780
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.2 120.4
 192 23.0 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.996 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012911.D
 Acq: 11 Sep 2019 12:32

Tgt Ion: 75 Resp: 15686
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.613 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012911.D

Acq: 11 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampleId :

SB-30-9.5-10.0

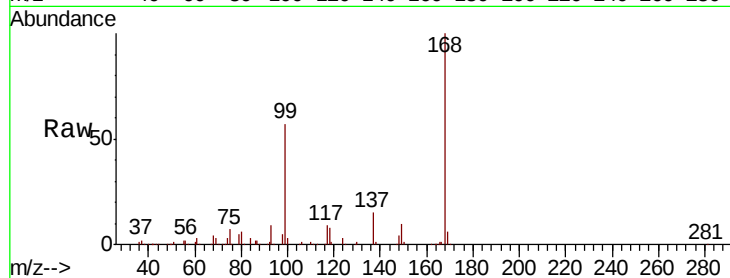
Tgt Ion: 117 Resp: 19635

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

121 0.0 25.4 38.2#

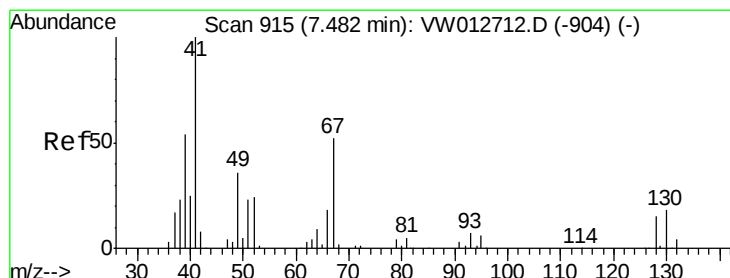
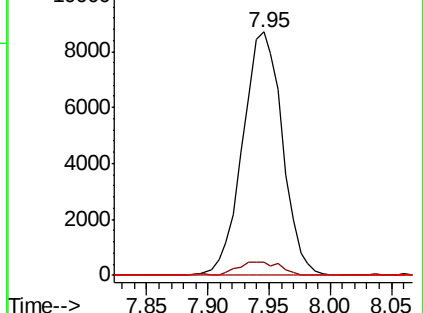
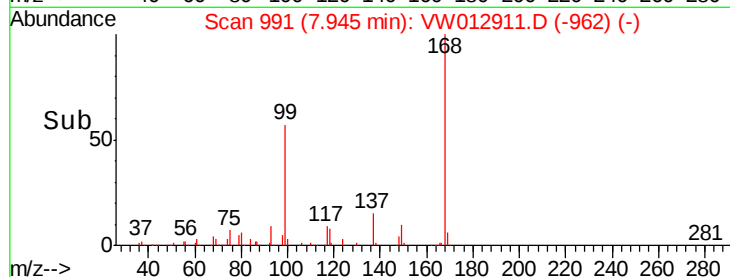


Abundance

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



#41

Methacrylonitrile

Concen: 3.913 ug/l

RT: 7.46 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW012911.D

Acq: 11 Sep 2019 12:32

Tgt Ion: 41 Resp: 91

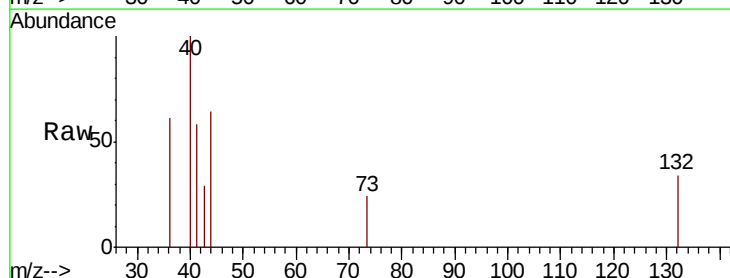
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#



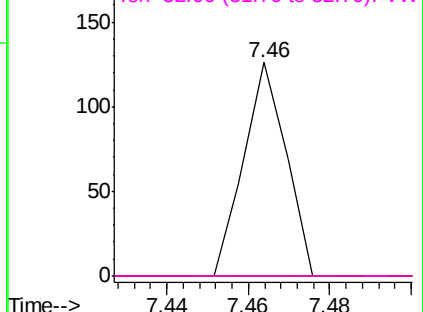
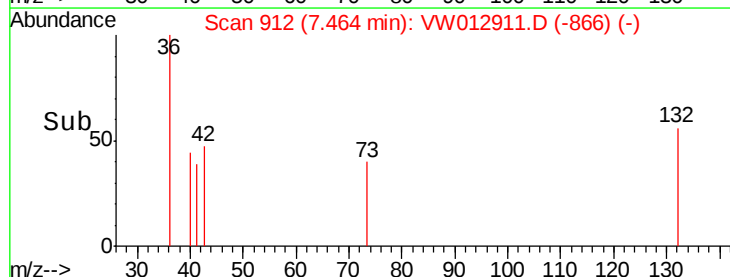
Abundance

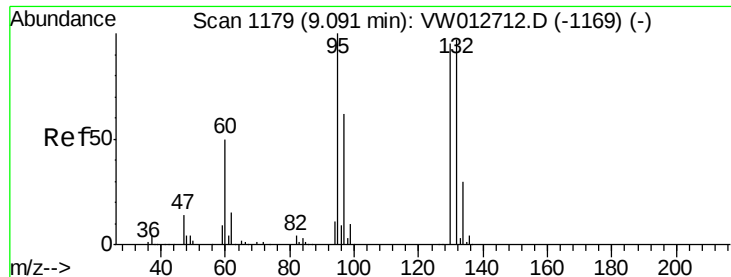
Ion 41.00 (40.70 to 41.70): VW

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





#44

Trichloroethene

Concen: 1.057 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW012911.D

Acq: 11 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampleId :

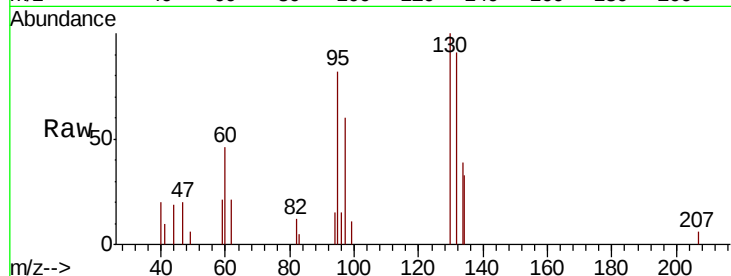
SB-30-9.5-10.0

Tgt Ion:130 Resp: 1977

Ion Ratio Lower Upper

130 100

95 82.2 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): VW

Ion 94.90 (94.60 to 95.60): VW

9.09

1000

800

600

400

200

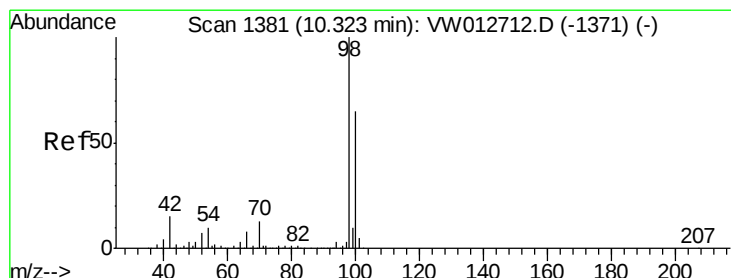
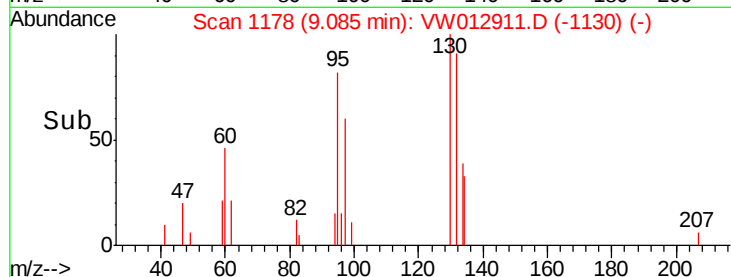
0

9.05

9.10

9.15

Time-->



#50

Toluene-d8

Concen: 46.066 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012911.D

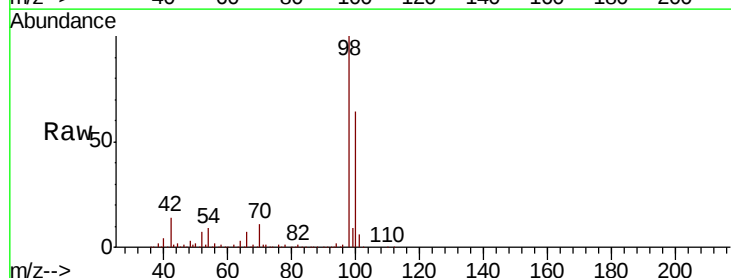
Acq: 11 Sep 2019 12:32

Tgt Ion: 98 Resp: 315943

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

200000

150000

100000

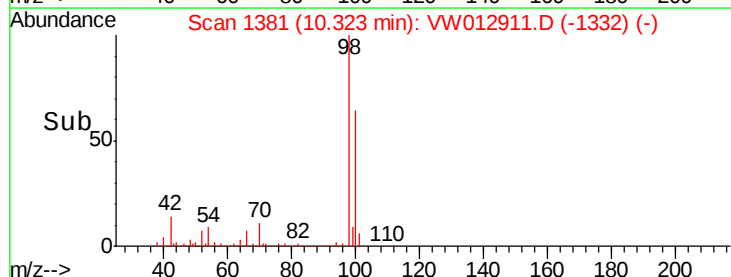
50000

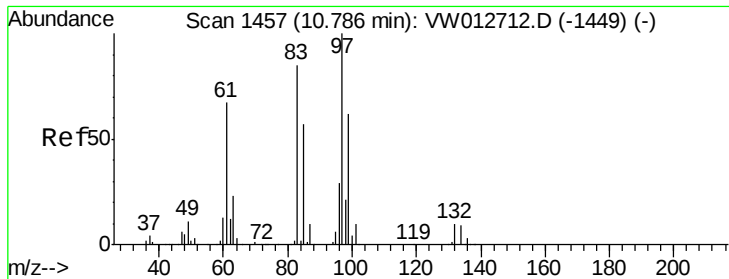
0

10.30

10.40

Time-->





#55

1,1,2-Trichloroethane

Concen: 1.469 ug/l

RT: 10.85 min Scan# 1468

Delta R.T. 0.07 min

Lab File: VW012911.D

Acq: 11 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampleId :

SB-30-9.5-10.0

Tgt Ion: 97 Resp: 2096

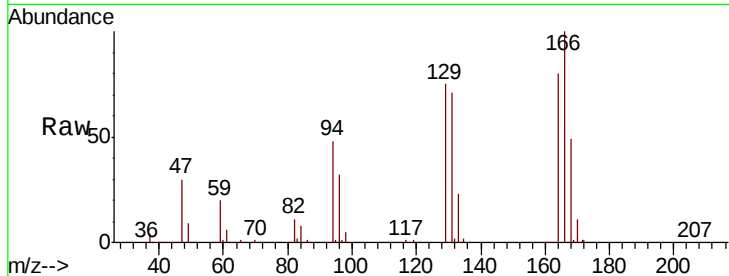
Ion Ratio Lower Upper

97 100

83 181.2 68.1 102.1#

85 32.4 45.3 67.9#

99 25.8 50.0 75.0#

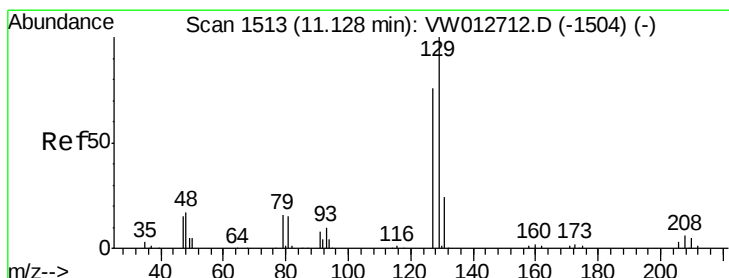
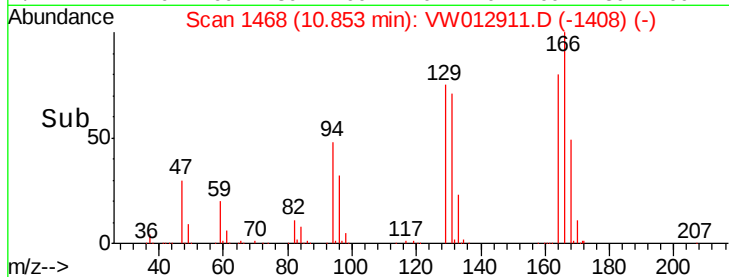
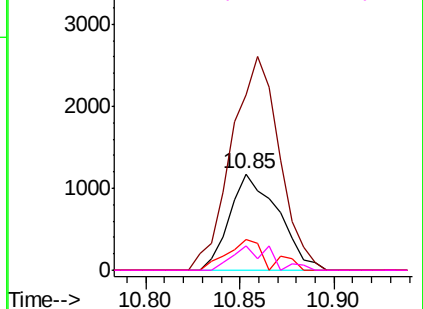


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#60

Dibromochloromethane

Concen: 106.137 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW012911.D

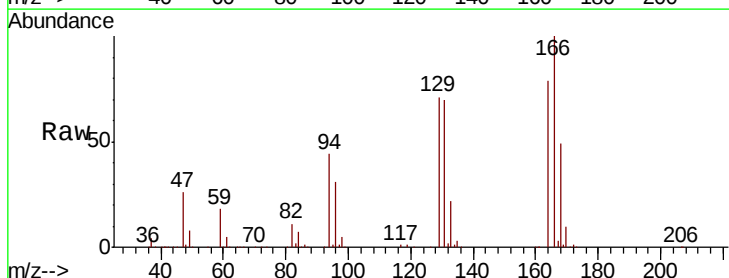
Acq: 11 Sep 2019 12:32

Tgt Ion: 129 Resp: 178164

Ion Ratio Lower Upper

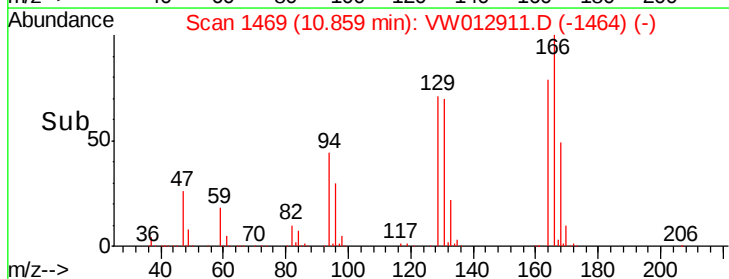
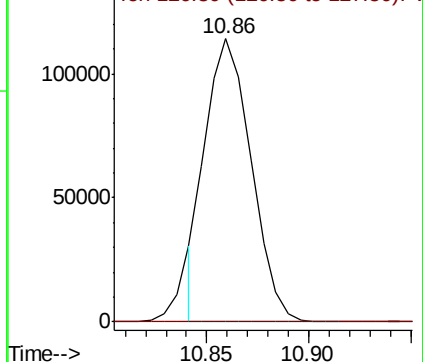
129 100

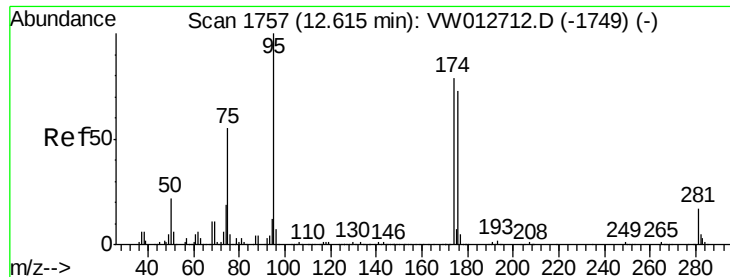
127 0.1 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 22.173 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012911.D

Acq: 11 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampleId :

SB-30-9.5-10.0

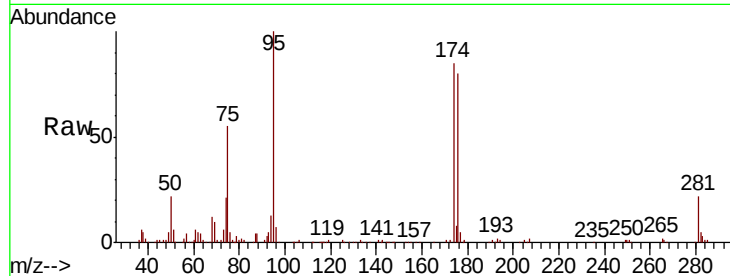
Tgt Ion: 95 Resp: 55207

Ion Ratio Lower Upper

95 100

174 86.9 0.0 161.0

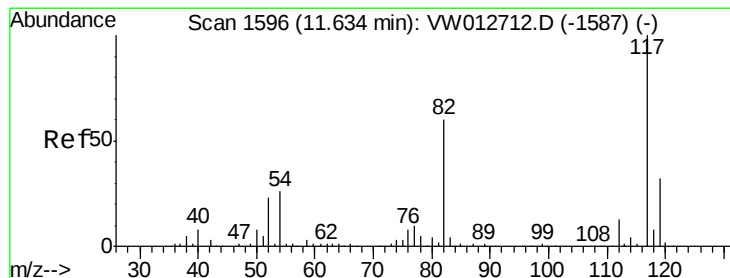
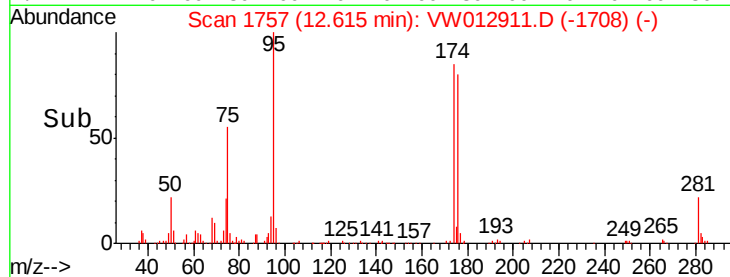
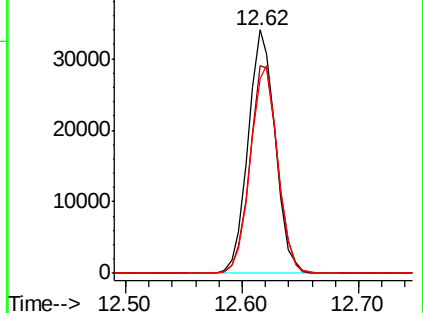
176 85.7 0.0 156.4



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# 1595

Delta R.T. -0.01 min

Lab File: VW012911.D

Acq: 11 Sep 2019 12:32

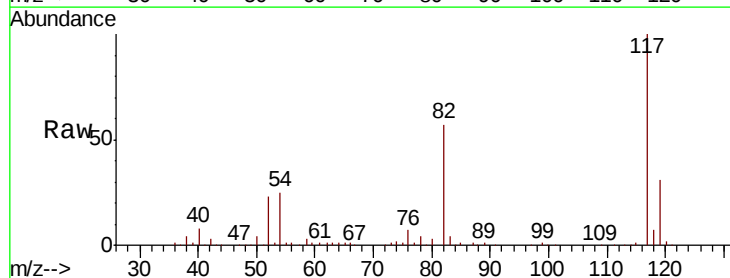
Tgt Ion: 117 Resp: 176459

Ion Ratio Lower Upper

117 100

82 56.7 48.2 72.4

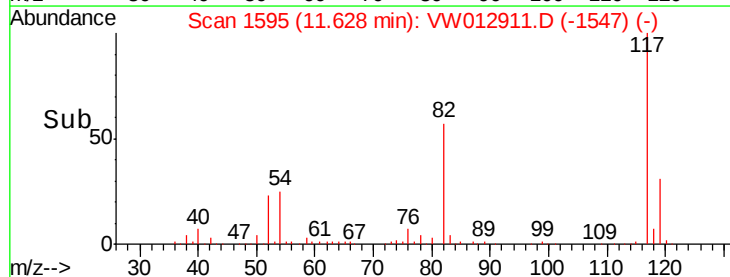
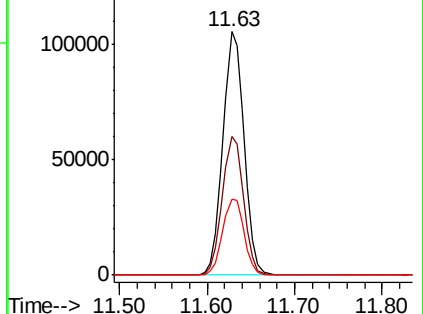
119 31.4 25.8 38.6

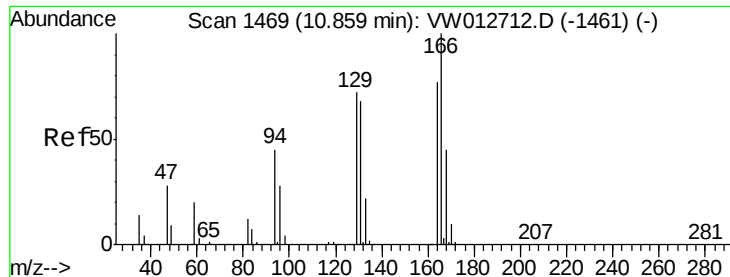


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 202.483 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW012911.D

Acq: 11 Sep 2019 12:32

Instrument :

MSVOA_W

ClientSampleId :

SB-30-9.5-10.0

Tgt Ion:164 Resp: 216801

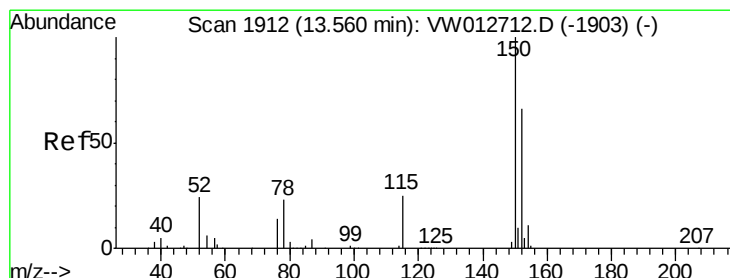
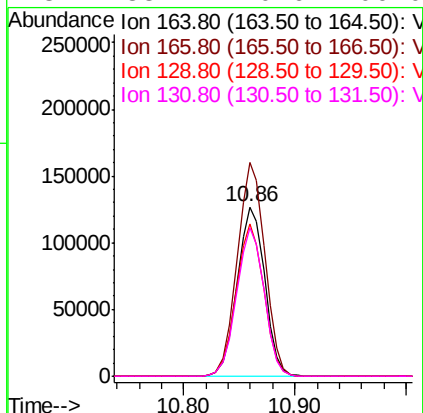
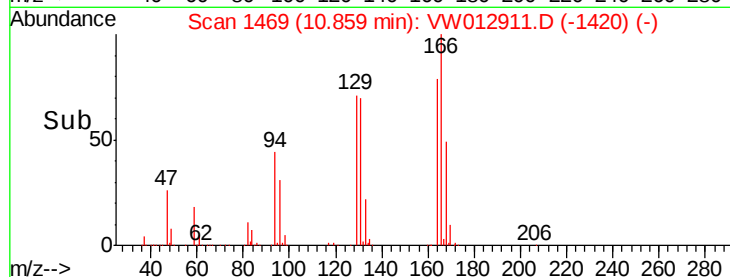
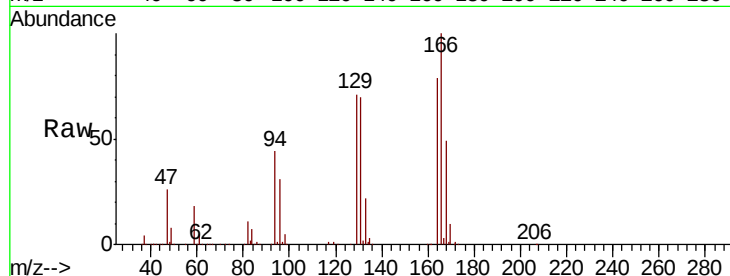
Ion Ratio Lower Upper

164 100

166 126.4 103.6 155.4

129 90.1 74.6 112.0

131 88.2 70.6 106.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012911.D

Acq: 11 Sep 2019 12:32

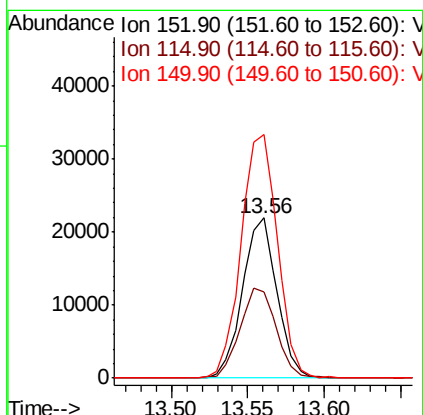
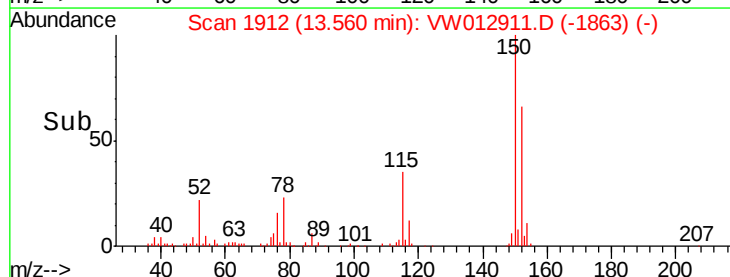
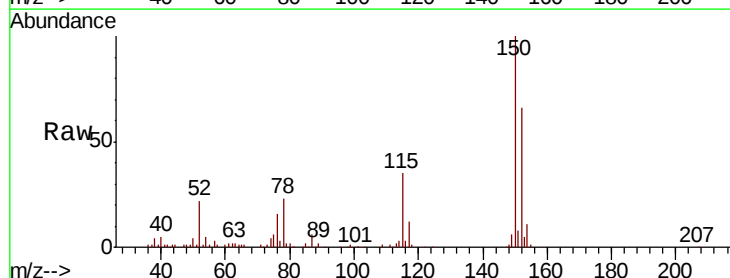
Tgt Ion:152 Resp: 34305

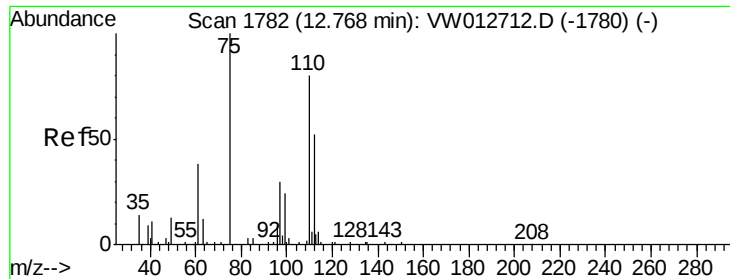
Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.1

150 161.0 0.0 349.0

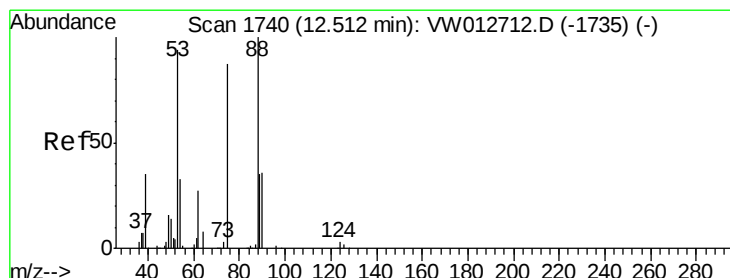
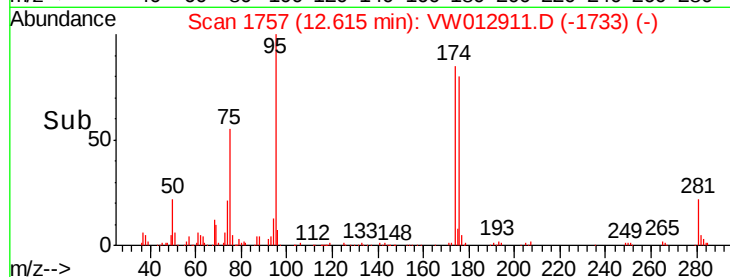
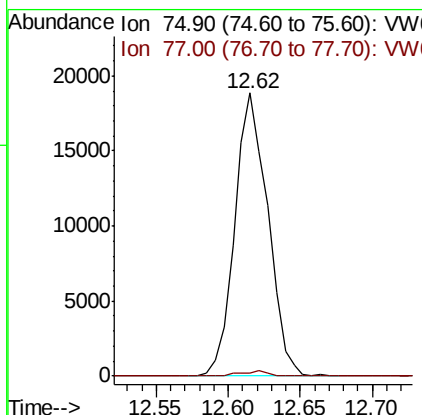
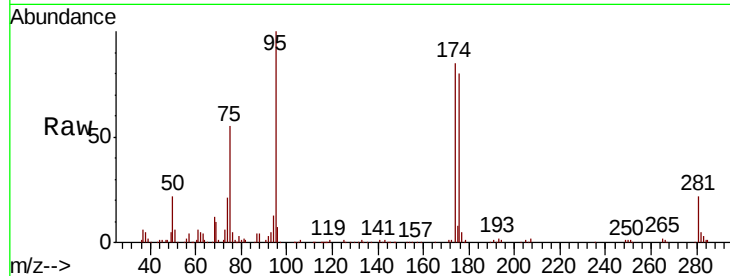




#76
 1,2,3-Trichloropropane
 Concen: 85.871 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012911.D
 Acq: 11 Sep 2019 12:32

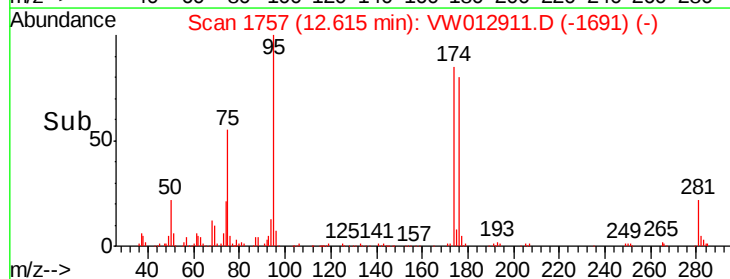
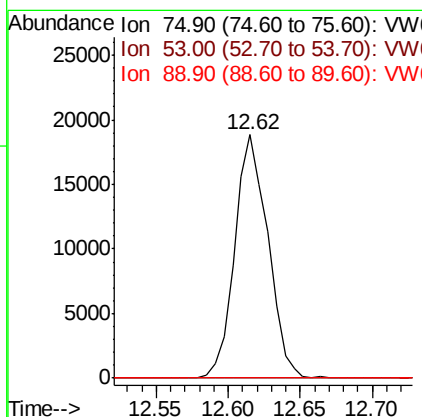
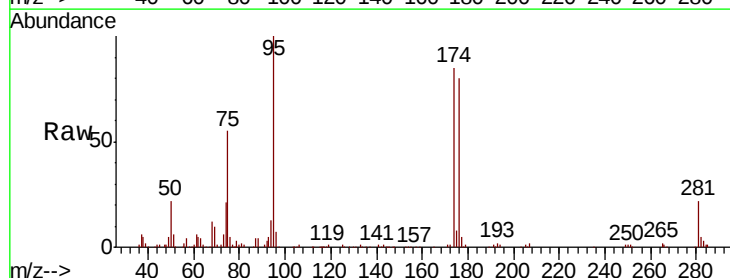
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-30-9.5-10.0

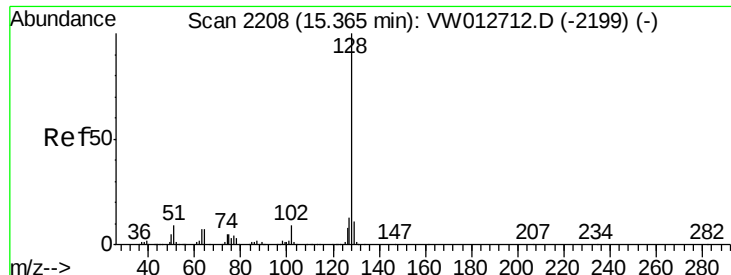
Tgt Ion: 75 Resp: 30122
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 181.622 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012911.D
 Acq: 11 Sep 2019 12:32

Tgt Ion: 75 Resp: 30122
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.2 35.5 53.3#





#95
Naphthalene
Concen: 4.789 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012911.D
Acq: 11 Sep 2019 12:32

Instrument :
MSVOA_W
ClientSampleId :
SB-30-9.5-10.0

Tgt Ion:128 Resp: 553
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 6.1 8.7 13.1#

