

Data File : VW012782.D
Acq On : 08 Sep 2019 20:45
Operator : SY/VA
Sample : K4636-07
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-22-6.5-7.0

Quant Time: Sep 09 06:01:49 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	176143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	267444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	224391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	90440	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	105388	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.88	113	81510	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
50) Toluene-d8	10.32	98	322479	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.62	95	97119	42.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.90%	

Target Compounds

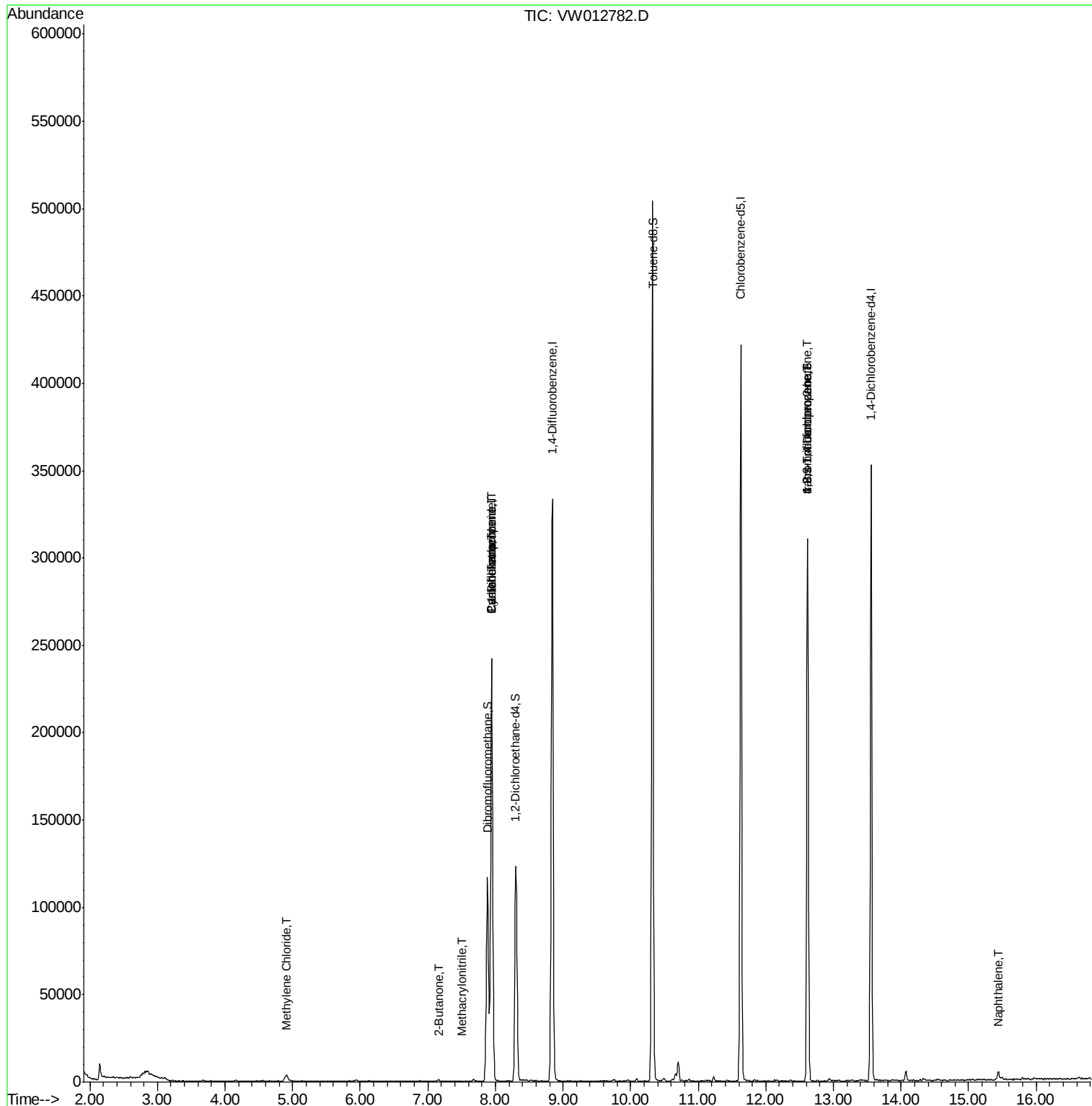
						Qvalue
20) Methylene Chloride	4.91	84	2739	1.632	ug/l #	69
25) 2-Butanone	7.15	43	41	19.728	ug/l #	1
31) Cyclohexane	7.95	56	4220	1.459	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	13964	5.876	ug/l #	52
38) Carbon Tetrachloride	7.95	117	17579	7.505	ug/l #	17
41) Methacrylonitrile	7.50	41	86	3.916	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	53021	57.333	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	53021	121.263	ug/l #	7
95) Naphthalene	15.43	128	19	4.444	ug/l #	1

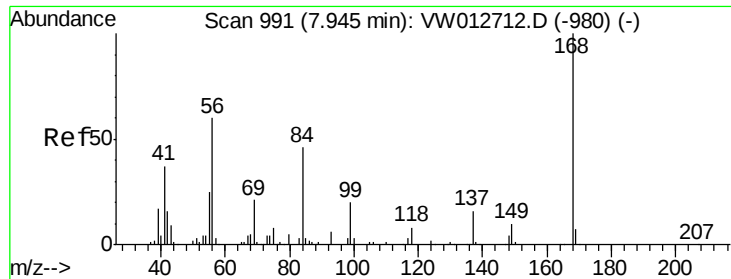
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012782.D

Acq: 08 Sep 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

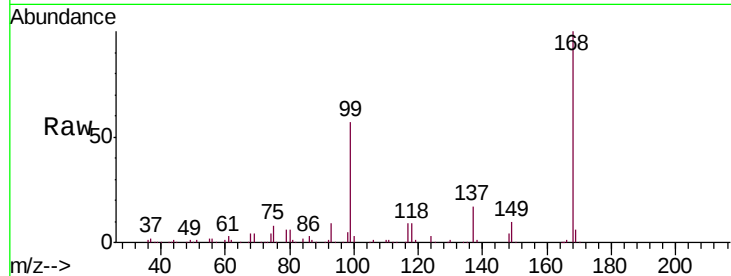
SB-22-6.5-7.0

Tgt Ion:168 Resp: 176143

Ion Ratio Lower Upper

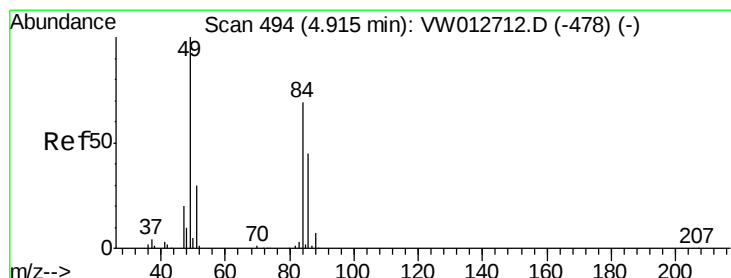
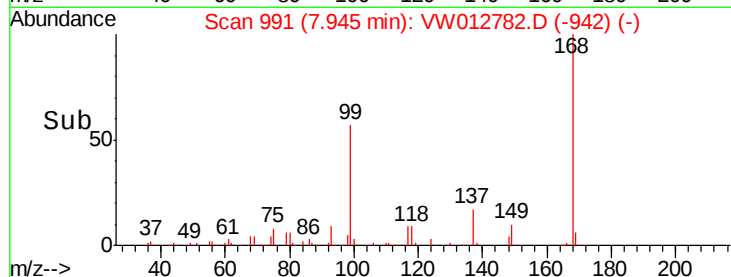
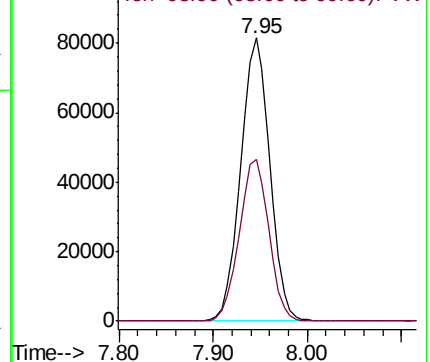
168 100

99 57.1 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#20

Methylene Chloride

Concen: 1.632 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012782.D

Acq: 08 Sep 2019 20:45

Tgt Ion: 84 Resp: 2739

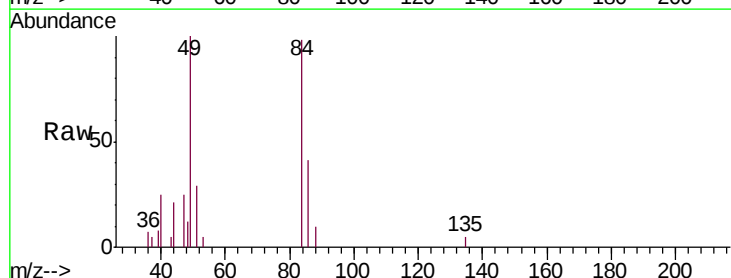
Ion Ratio Lower Upper

84 100

49 102.3 115.4 173.0#

51 29.4 34.9 52.3#

86 42.1 52.2 78.4#

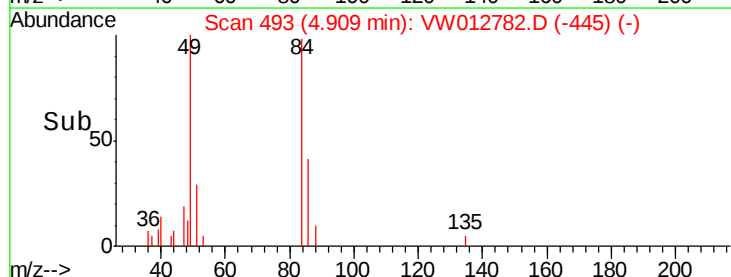
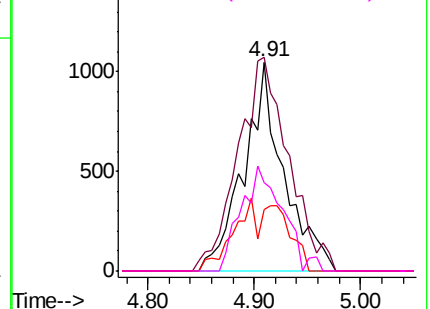


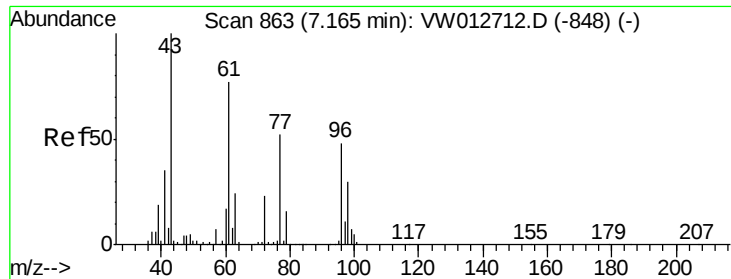
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 19.728 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012782.D

Acq: 08 Sep 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

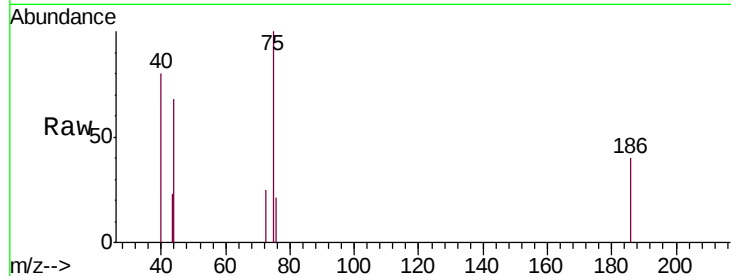
SB-22-6.5-7.0

Tgt Ion: 43 Resp: 41

Ion Ratio Lower Upper

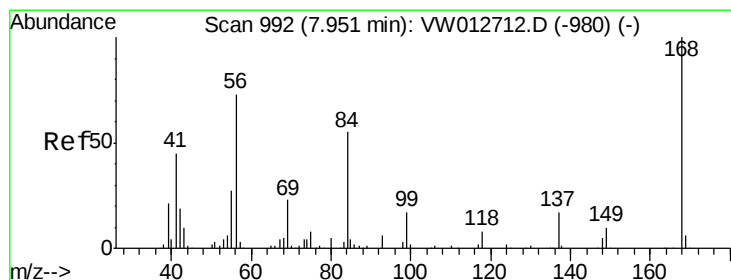
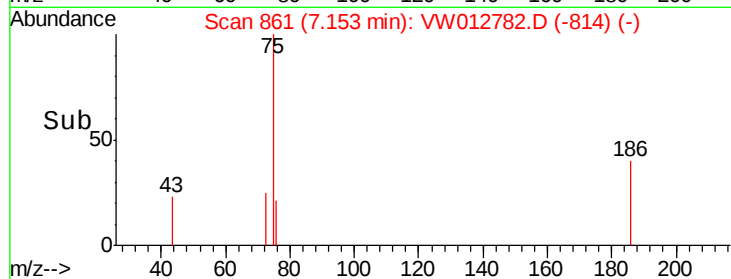
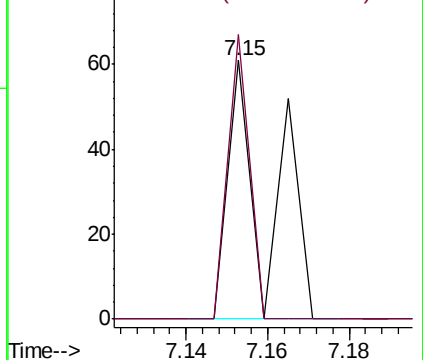
43 100

72 109.8 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: 1.459 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012782.D

Acq: 08 Sep 2019 20:45

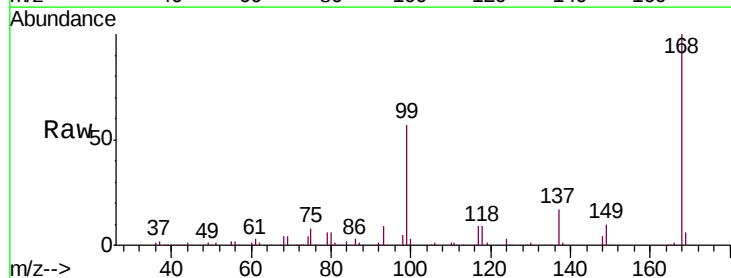
Tgt Ion: 56 Resp: 4220

Ion Ratio Lower Upper

56 100

69 169.0 25.7 38.5#

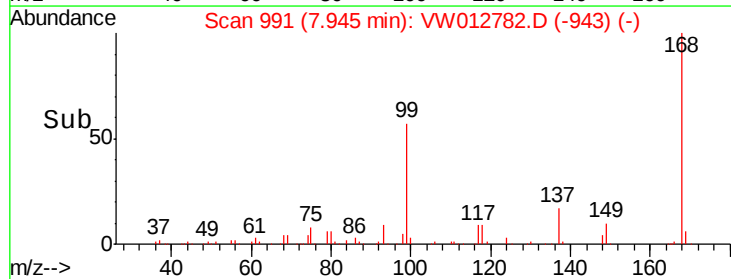
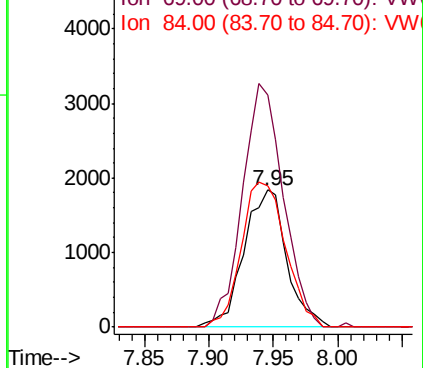
84 102.7 60.4 90.6#

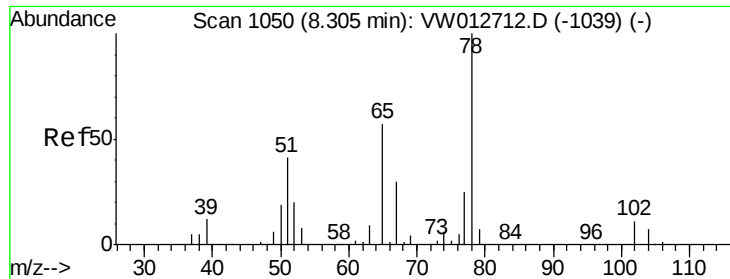


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

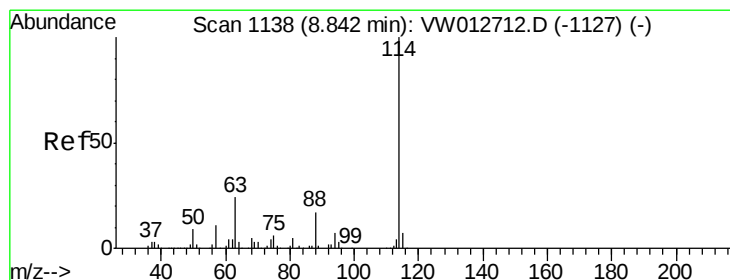
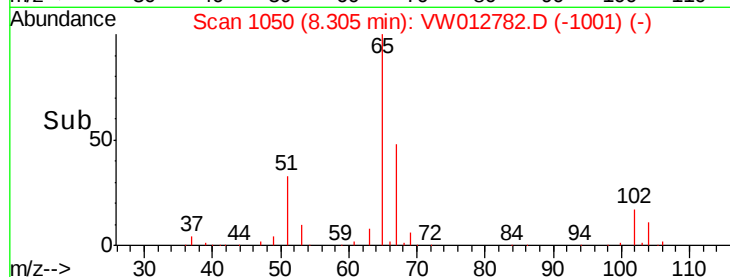
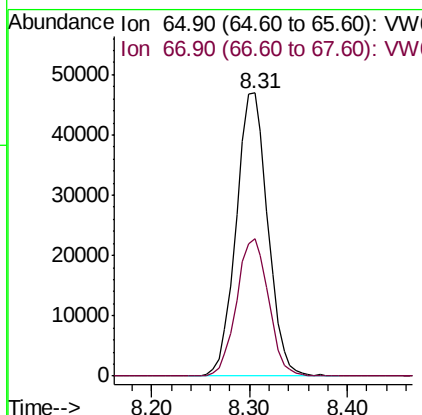
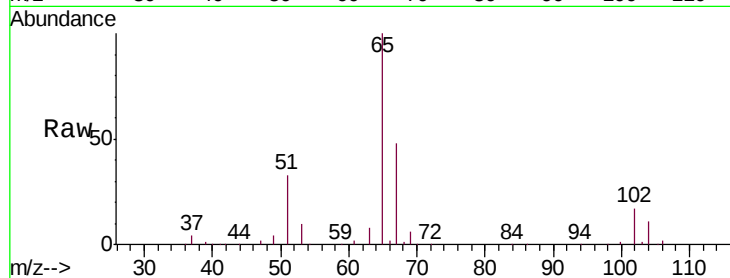




#33
 1,2-Dichloroethane-d4
 Concen: 53.548 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012782.D
 Acq: 08 Sep 2019 20:45

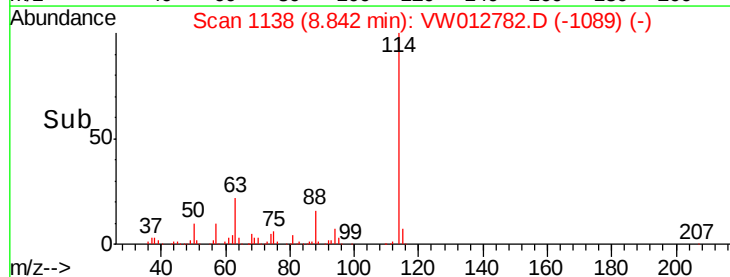
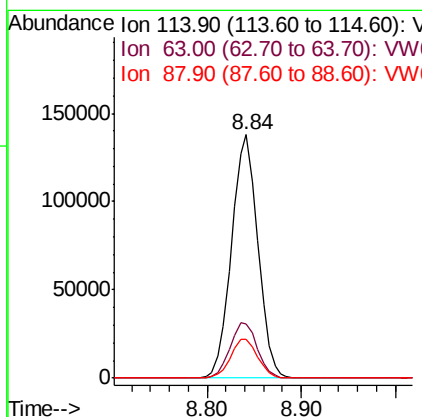
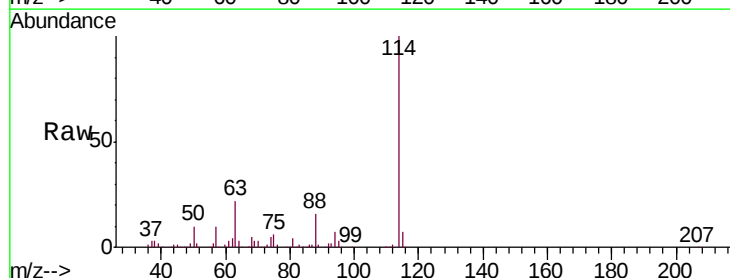
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-22-6.5-7.0

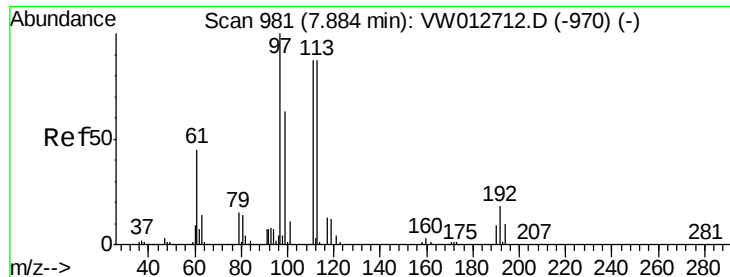
Tgt Ion: 65 Resp: 105388
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012782.D
 Acq: 08 Sep 2019 20:45

Tgt Ion: 114 Resp: 267444
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 47.2
 88 16.1 0.0 34.0

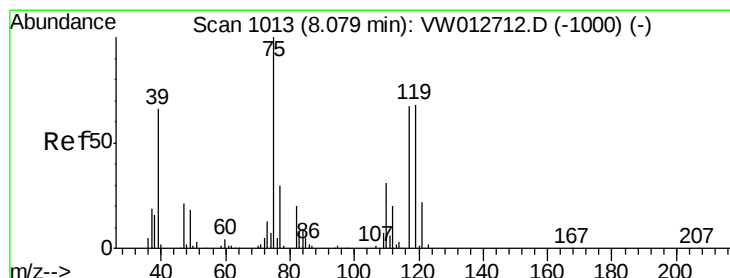
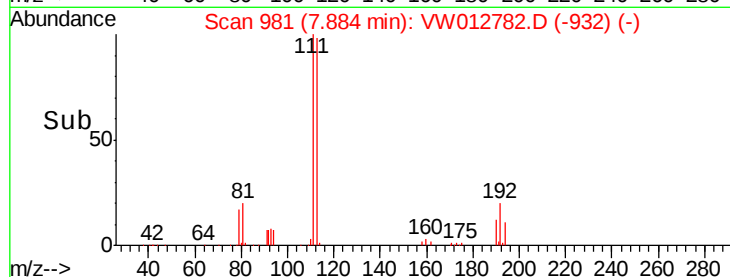
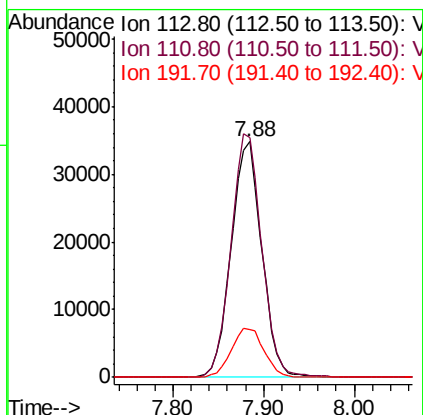
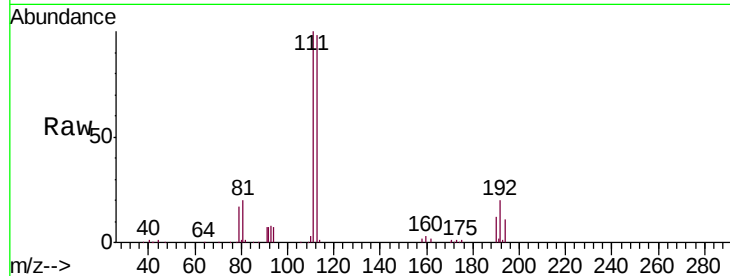




#35
 Dibromofluoromethane
 Concen: 51.263 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012782.D
 Acq: 08 Sep 2019 20:45

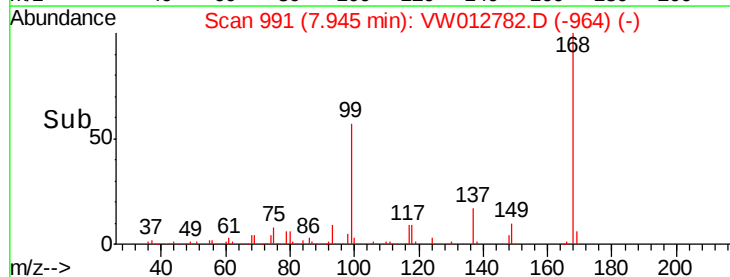
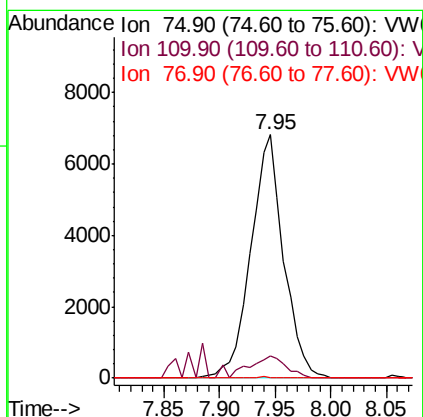
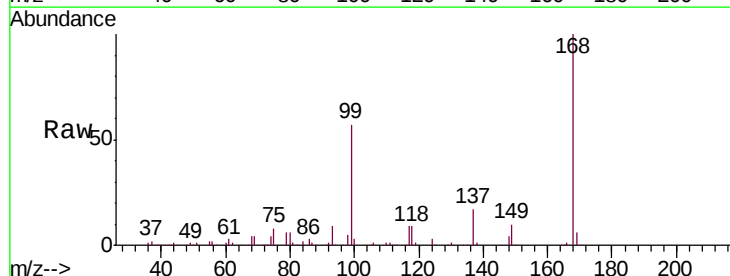
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-22-6.5-7.0

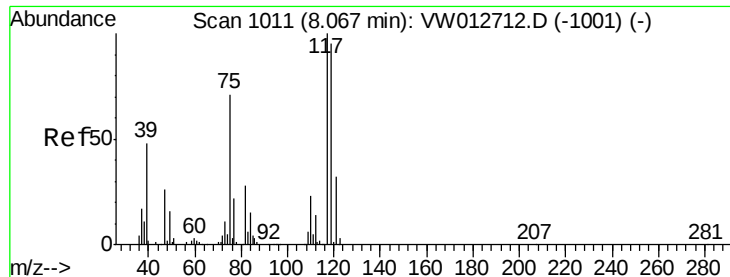
Tgt Ion: 113 Resp: 81510
 Ion Ratio Lower Upper
 113 100
 111 103.8 80.2 120.4
 192 22.4 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.876 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012782.D
 Acq: 08 Sep 2019 20:45

Tgt Ion: 75 Resp: 13964
 Ion Ratio Lower Upper
 75 100
 110 10.0 15.9 47.7#
 77 0.2 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.505 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012782.D

Acq: 08 Sep 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

SB-22-6.5-7.0

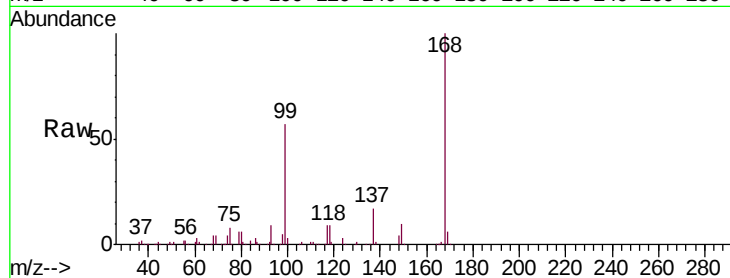
Tgt Ion:117 Resp: 17579

Ion Ratio Lower Upper

117 100

119 6.5 76.2 114.2#

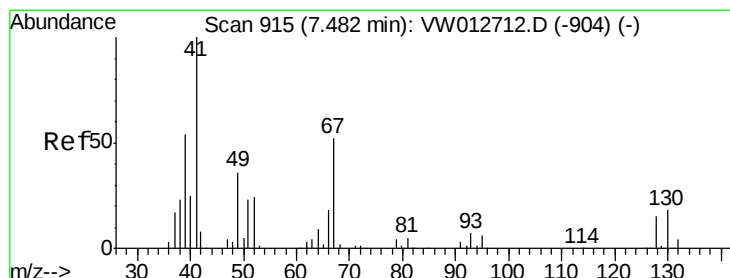
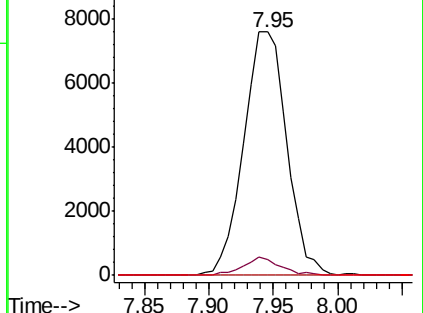
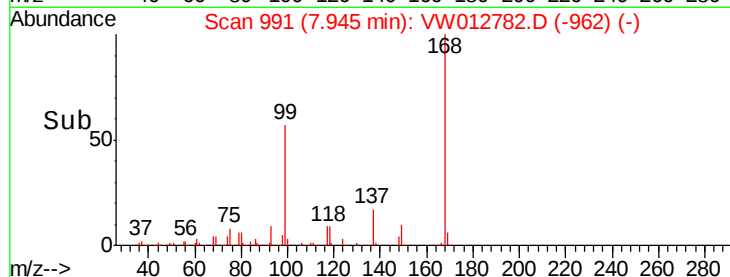
121 0.0 25.4 38.2#



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: 3.916 ug/l

RT: 7.50 min Scan# 918

Delta R.T. 0.02 min

Lab File: VW012782.D

Acq: 08 Sep 2019 20:45

Tgt Ion: 41 Resp: 86

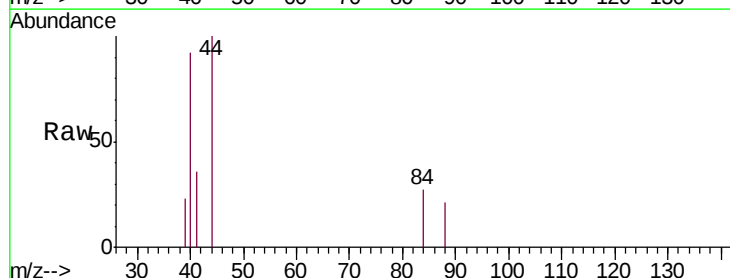
Ion Ratio Lower Upper

41 100

39 46.5 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

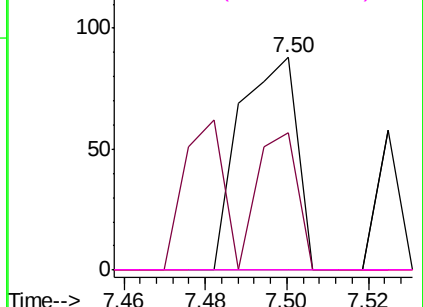
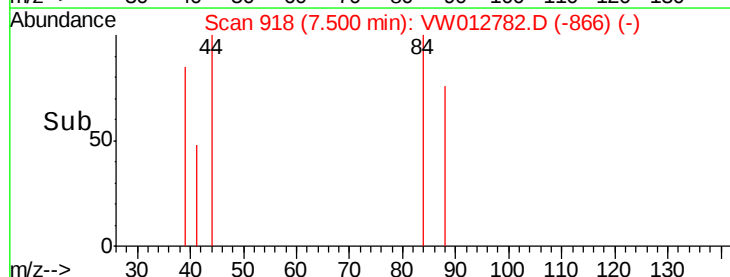


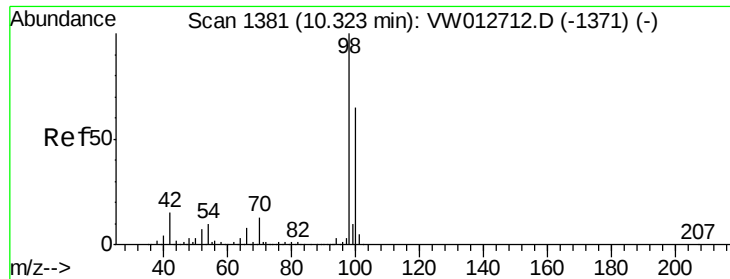
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 51.768 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012782.D

Acq: 08 Sep 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

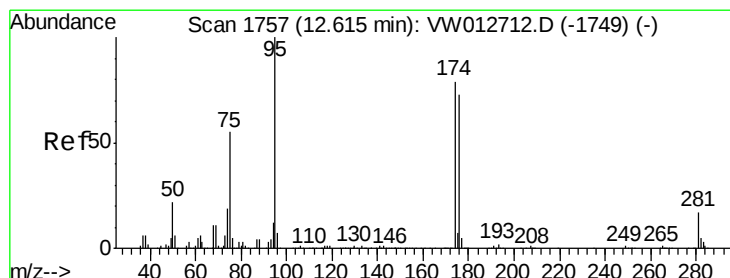
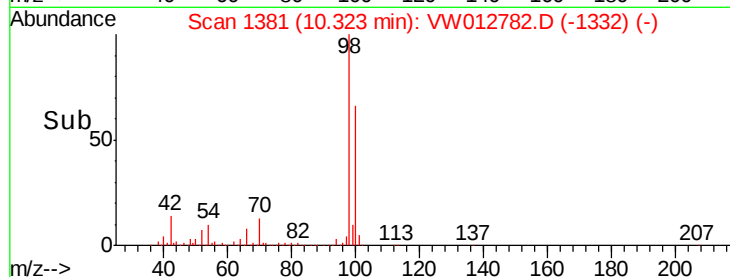
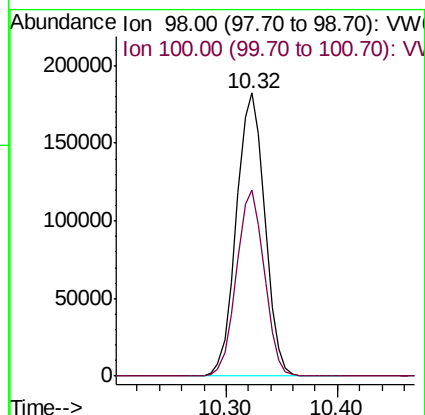
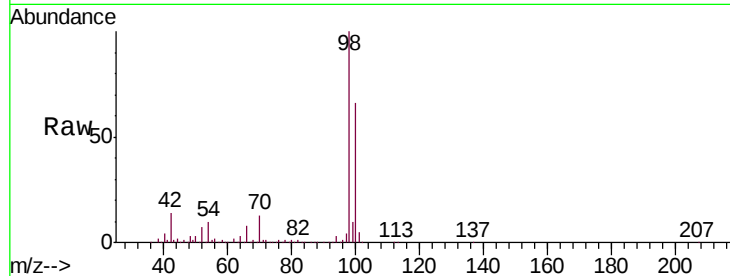
SB-22-6.5-7.0

Tgt Ion: 98 Resp: 322479

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 42.945 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012782.D

Acq: 08 Sep 2019 20:45

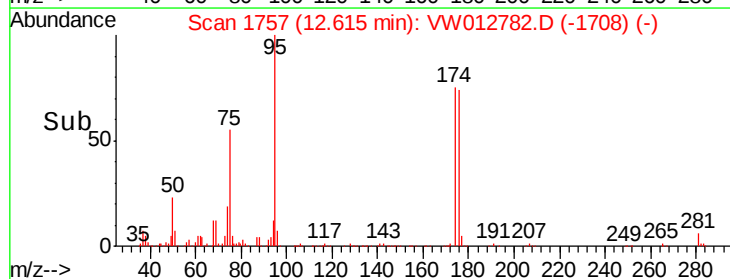
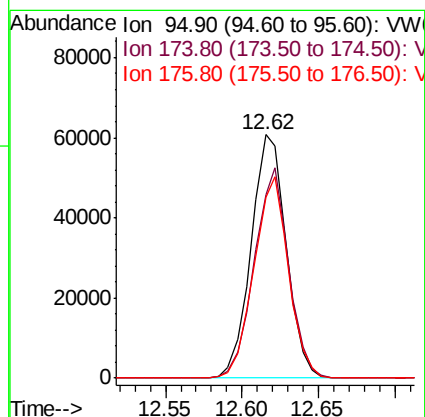
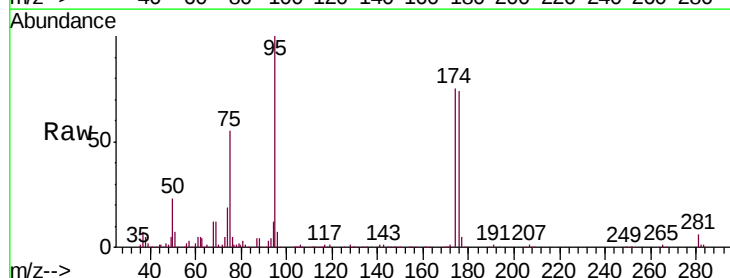
Tgt Ion: 95 Resp: 97119

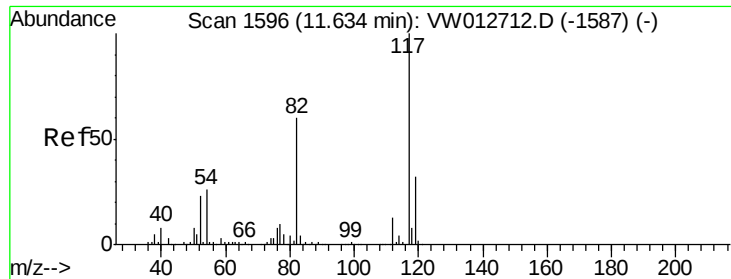
Ion Ratio Lower Upper

95 100

174 84.2 0.0 161.0

176 81.4 0.0 156.4

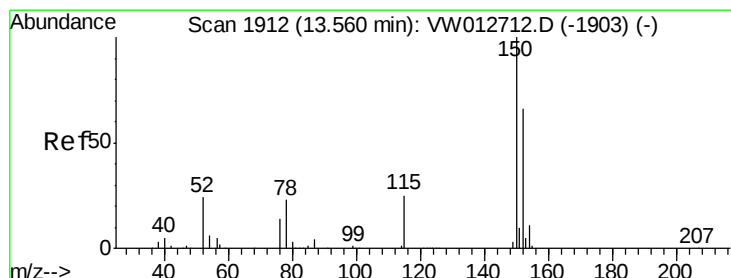
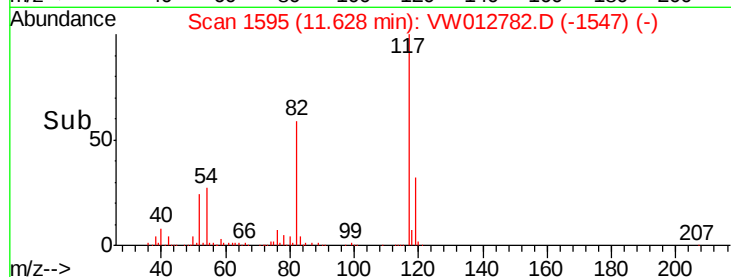
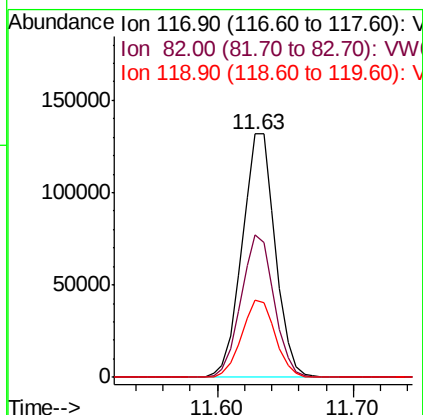
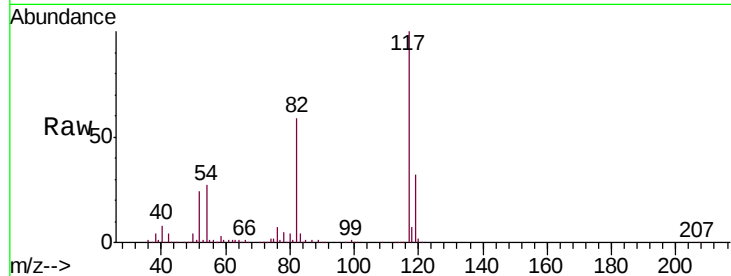




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012782.D
Acq: 08 Sep 2019 20:45

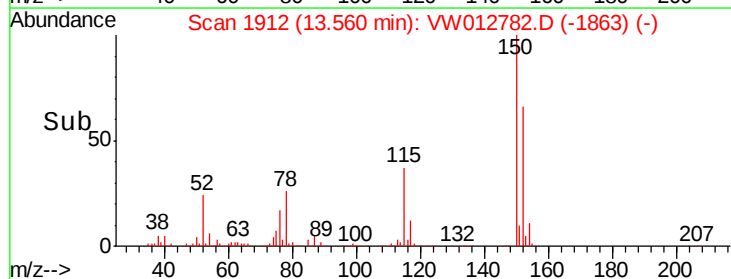
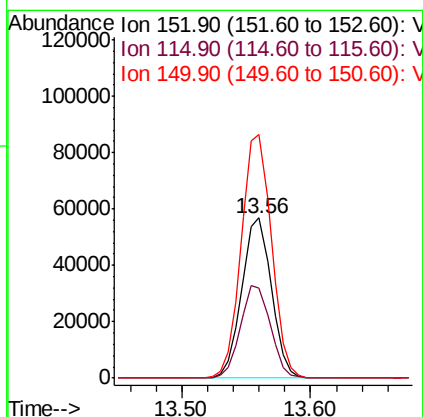
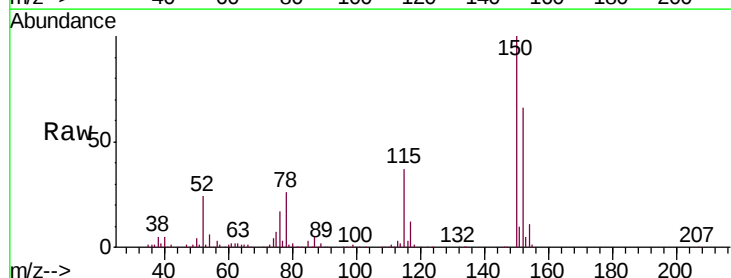
Instrument :
MSVOA_W
ClientSampleId :
SB-22-6.5-7.0

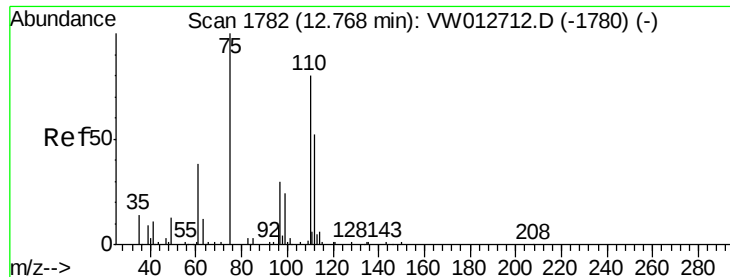
Tgt Ion:117 Resp: 224391
Ion Ratio Lower Upper
117 100
82 58.5 48.2 72.4
119 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012782.D
Acq: 08 Sep 2019 20:45

Tgt Ion:152 Resp: 90440
Ion Ratio Lower Upper
152 100
115 58.4 30.0 90.1
150 154.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 57.333 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012782.D

Acq: 08 Sep 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

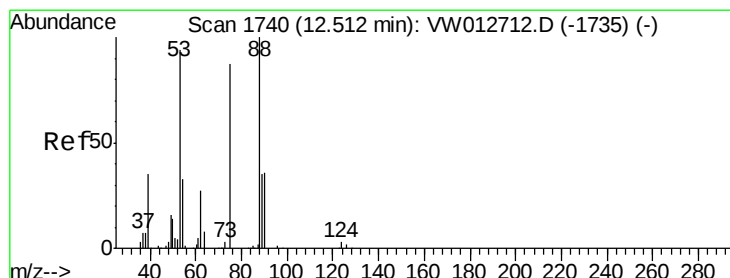
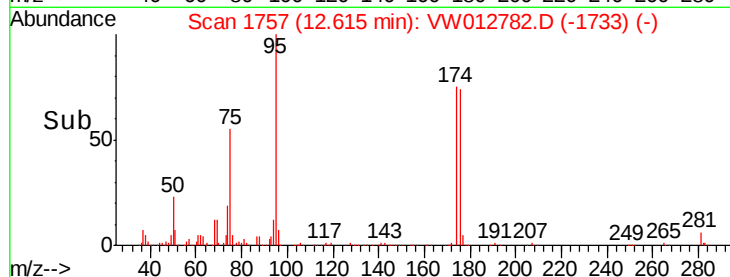
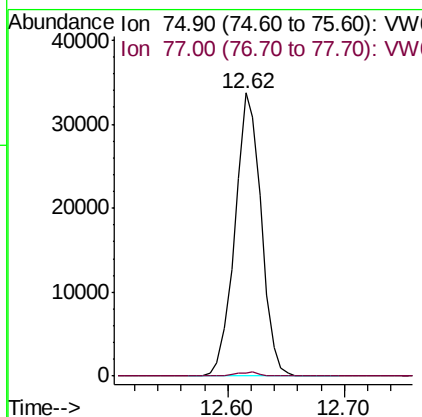
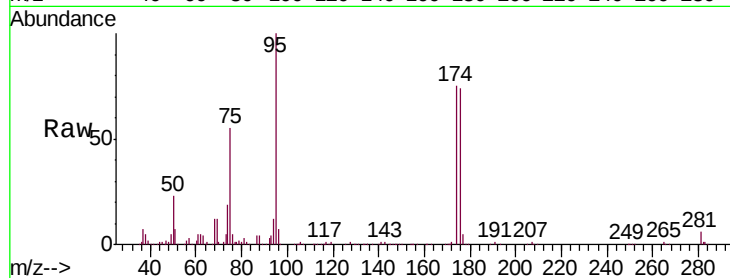
SB-22-6.5-7.0

Tgt Ion: 75 Resp: 53021

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.263 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012782.D

Acq: 08 Sep 2019 20:45

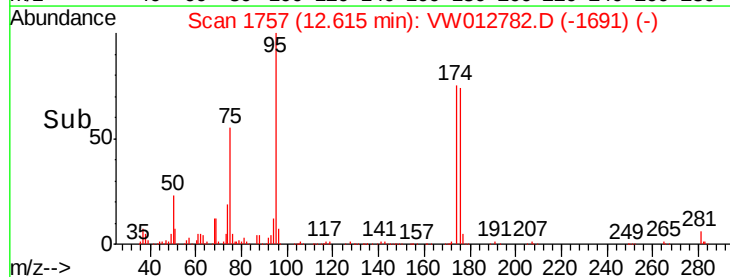
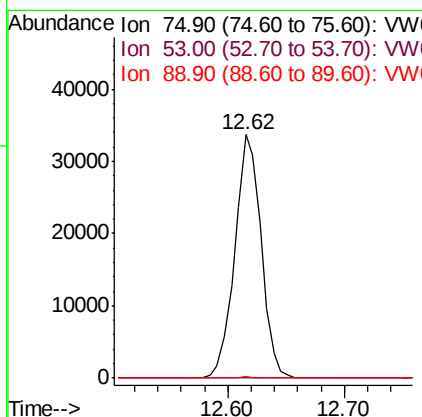
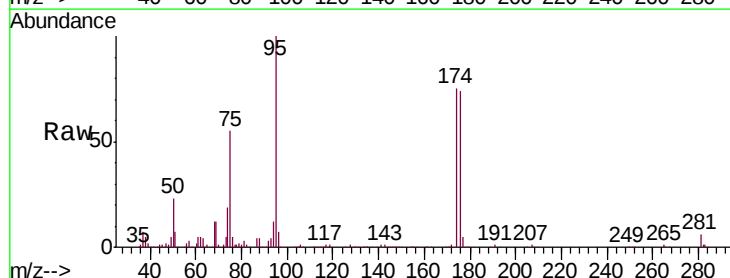
Tgt Ion: 75 Resp: 53021

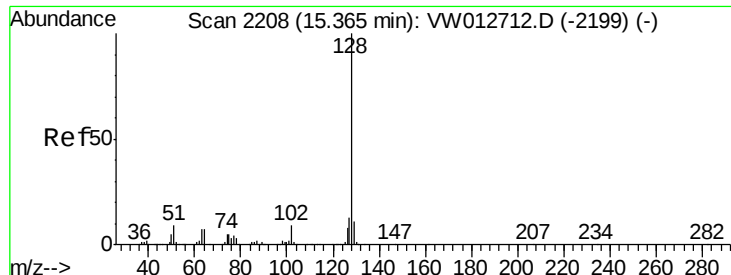
Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.3 35.5 53.3#





#95

Naphthalene

Concen: 4.444 ug/l

RT: 15.43 min Scan# 2219

Delta R.T. 0.07 min

Lab File: VW012782.D

Acq: 08 Sep 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

SB-22-6.5-7.0

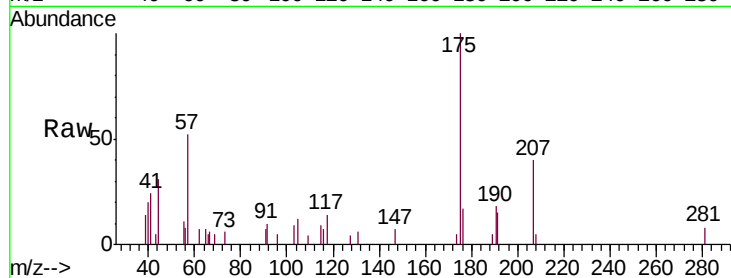
Tgt Ion:128 Resp: 19

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 421.1 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

