

Data File : VW012737.D
Acq On : 07 Sep 2019 22:55
Operator : SY/VA
Sample : K4554-42
Misc : 4.55G/5ML/MSVOA_W/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-3-(8-10)

Quant Time: Sep 08 05:16:12 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	201866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	307216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	243380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	80076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	116529	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	7.88	113	90629	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.32	98	362914	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.62	95	96878	37.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.58%	

Target Compounds

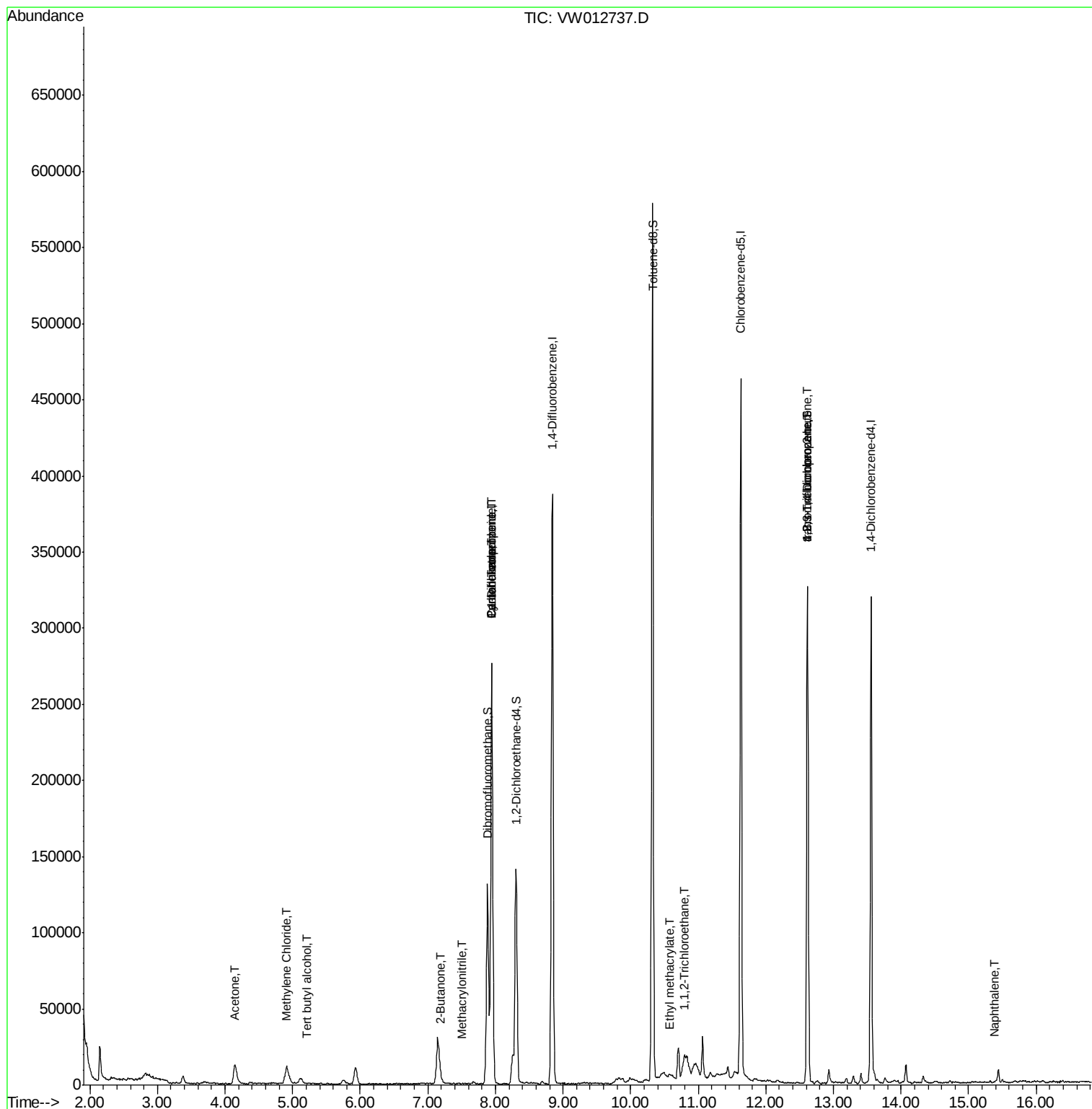
						Qvalue
11) Tert butyl alcohol	5.20	59	190	1.101	ug/l #	1
16) Acetone	4.15	43	28242	45.930	ug/l	91
20) Methylene Chloride	4.91	84	7487	3.892	ug/l #	95
25) 2-Butanone	7.19	43	7891	27.710	ug/l	97
31) Cyclohexane	7.95	56	4714	1.422	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	16561	6.067	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20335	7.557	ug/l #	16
41) Methacrylonitrile	7.50	41	133	3.943	ug/l #	27
55) 1,1,2-Trichloroethane	10.80	97	2094	1.406	ug/l #	15
56) Ethyl methacrylate	10.58	69	3249	1.490	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	53685	65.564	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	53685	138.673	ug/l #	6
95) Naphthalene	15.37	128	95	4.465	ug/l #	69

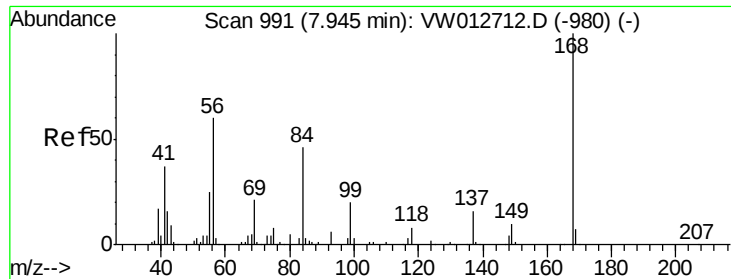
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012737.D

Acq: 07 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

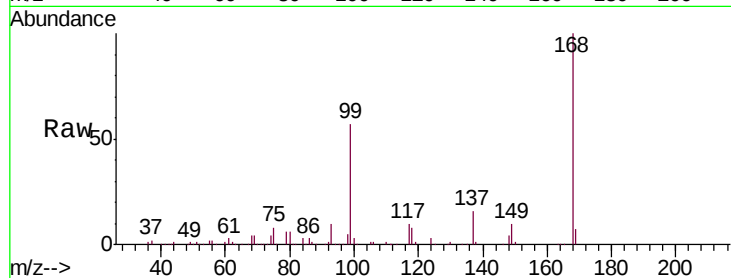
SB-3-(8-10)

Tgt Ion:168 Resp: 201866

Ion Ratio Lower Upper

168 100

99 56.6 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

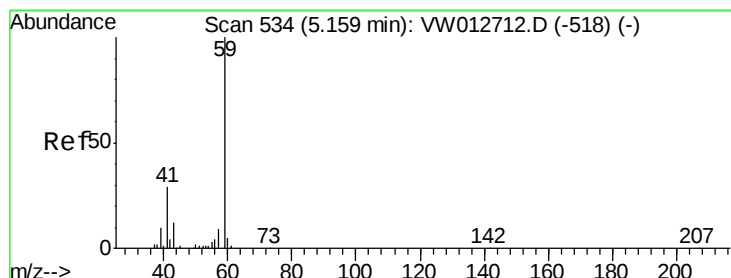
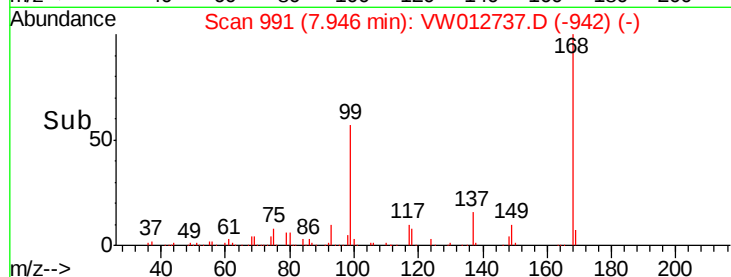
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.101 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.04 min

Lab File: VW012737.D

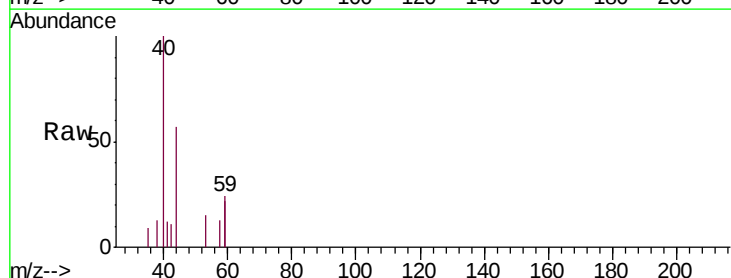
Acq: 07 Sep 2019 22:55

Tgt Ion: 59 Resp: 190

Ion Ratio Lower Upper

59 100

57 71.1 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

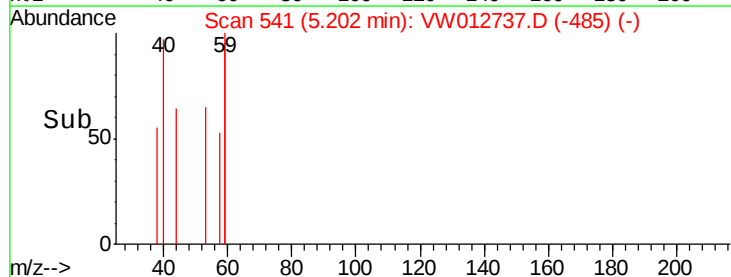
300

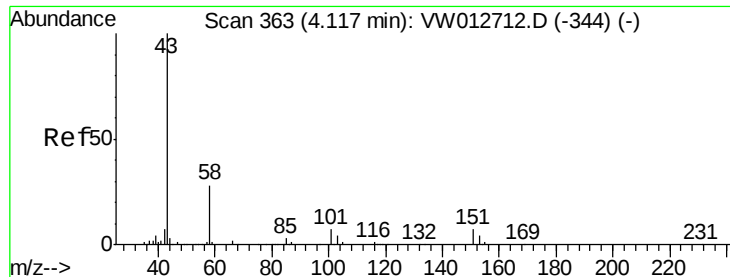
200

100

0

Time-->





#16

Acetone

Concen: 45.930 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW012737.D

Acq: 07 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

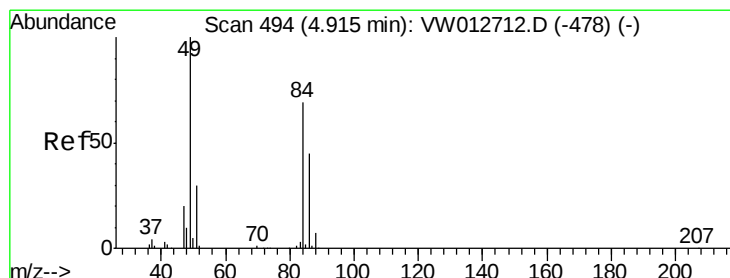
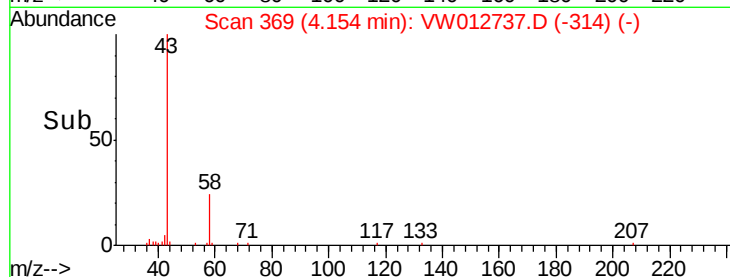
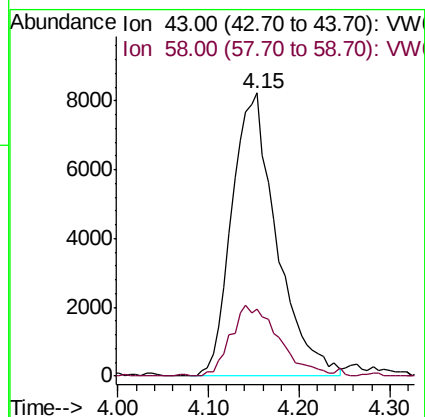
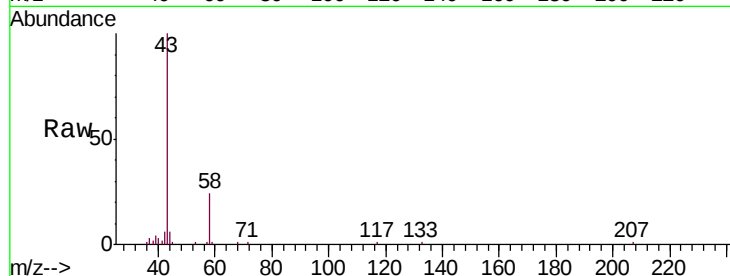
SB-3-(8-10)

Tgt Ion: 43 Resp: 28242

Ion Ratio Lower Upper

43 100

58 23.6 22.6 33.8



#20

Methylene Chloride

Concen: 3.892 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012737.D

Acq: 07 Sep 2019 22:55

Tgt Ion: 84 Resp: 7487

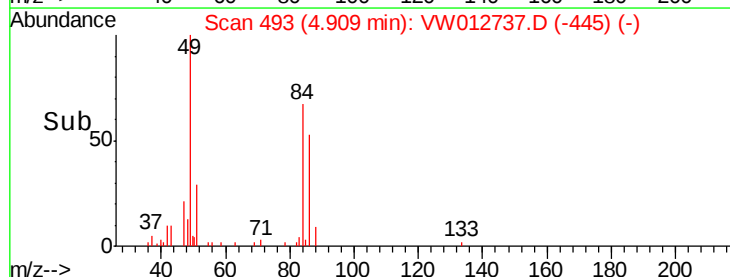
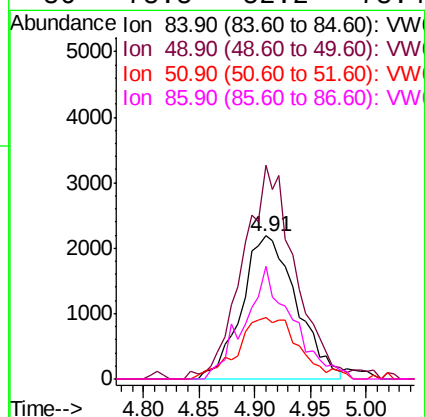
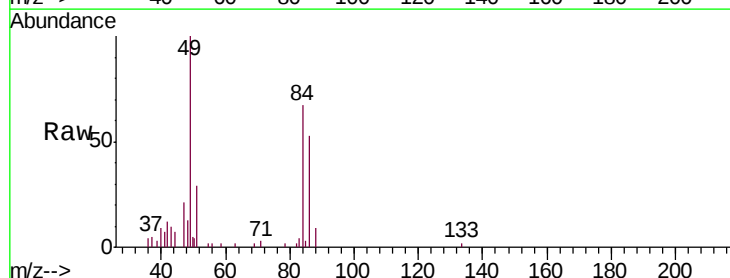
Ion Ratio Lower Upper

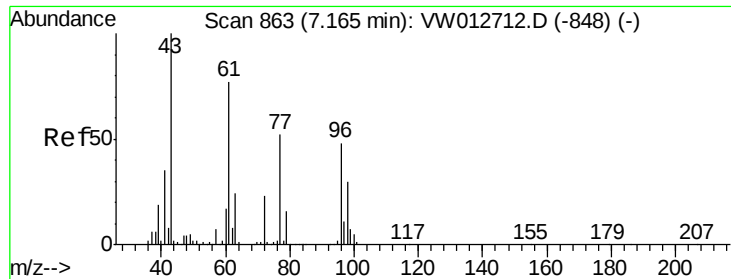
84 100

49 143.9 115.4 173.0

51 43.1 34.9 52.3

86 78.5 52.2 78.4#

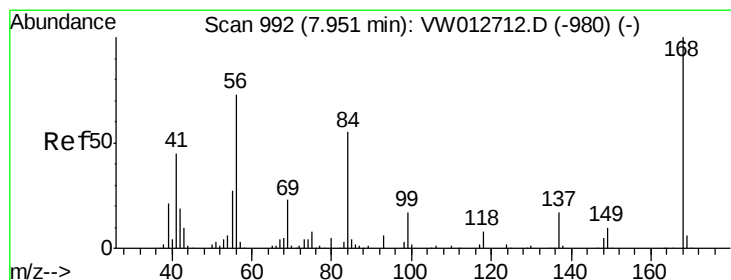
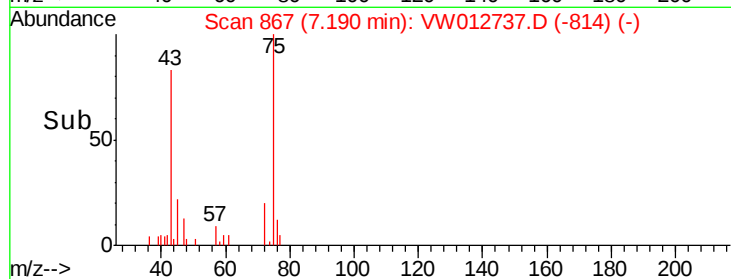
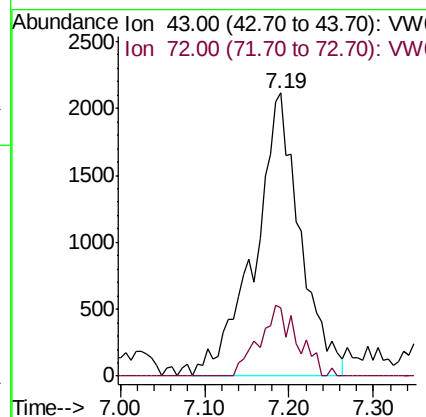
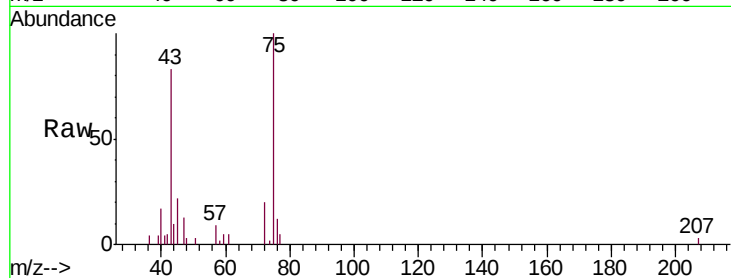




#25
2-Butanone
Concen: 27.710 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012737.D
Acq: 07 Sep 2019 22:55

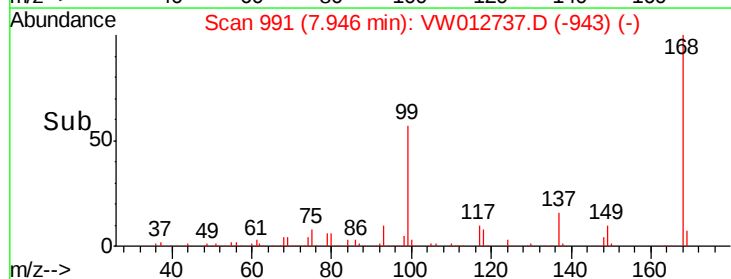
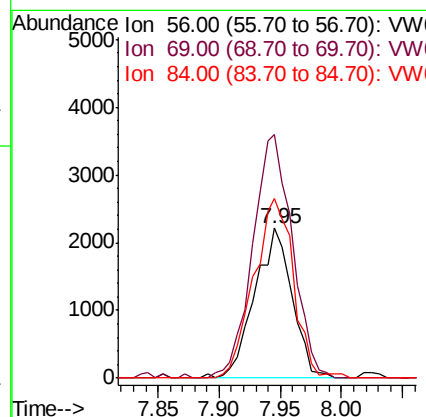
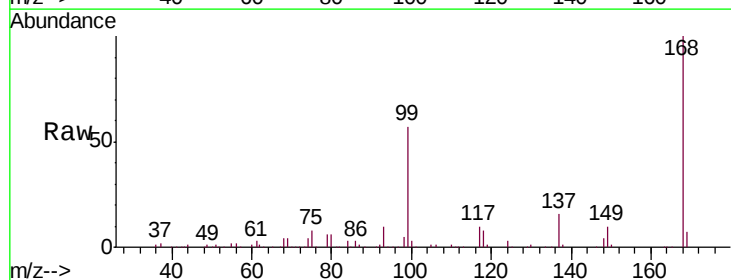
Instrument :
MSVOA_W
ClientSampleId :
SB-3-(8-10)

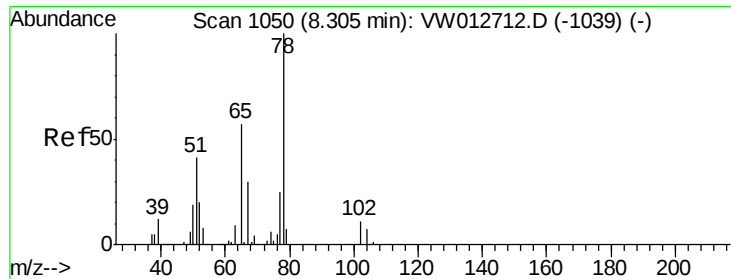
Tgt Ion: 43 Resp: 7891
Ion Ratio Lower Upper
43 100
72 24.1 18.0 27.0



#31
Cyclohexane
Concen: 1.422 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012737.D
Acq: 07 Sep 2019 22:55

Tgt Ion: 56 Resp: 4714
Ion Ratio Lower Upper
56 100
69 162.5 25.7 38.5#
84 119.9 60.4 90.6#

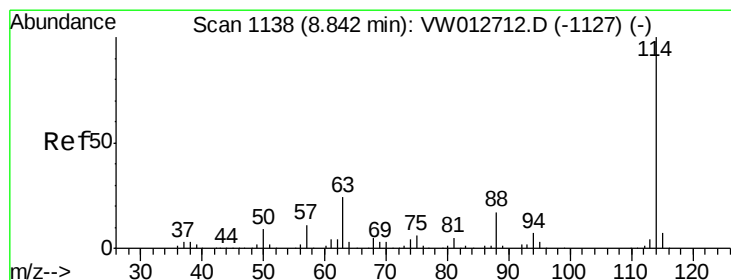
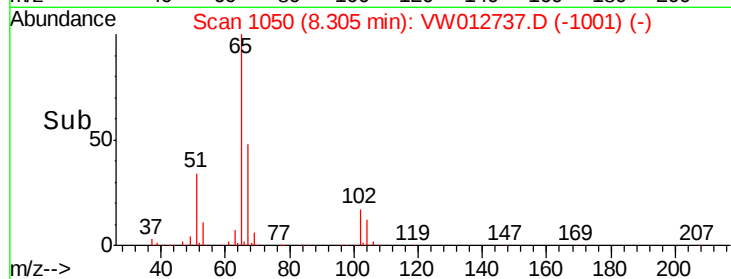
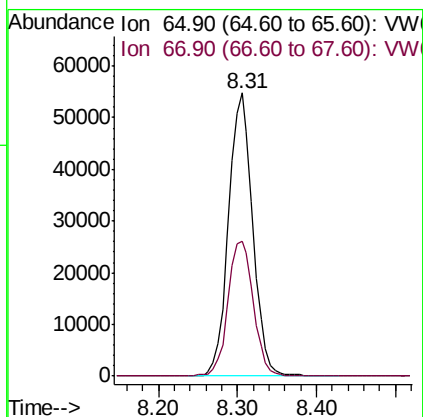
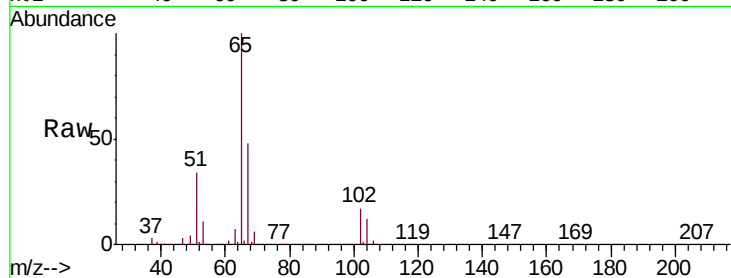




#33
 1,2-Dichloroethane-d4
 Concen: 51.664 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012737.D
 Acq: 07 Sep 2019 22:55

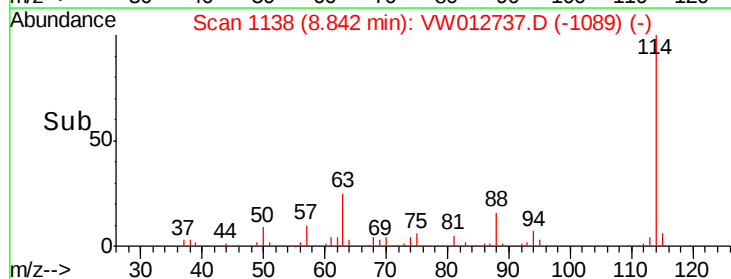
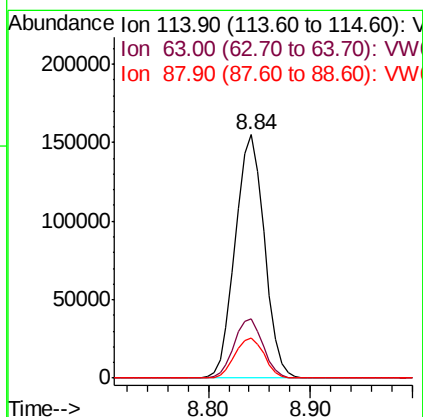
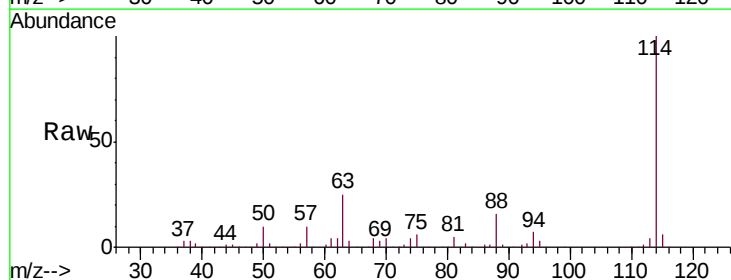
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3-(8-10)

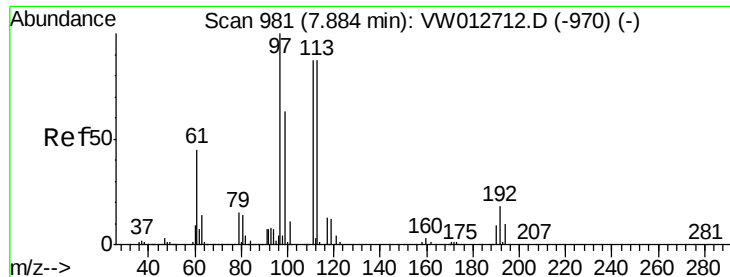
Tgt Ion: 65 Resp: 116529
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012737.D
 Acq: 07 Sep 2019 22:55

Tgt Ion: 114 Resp: 307216
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 47.2
 88 16.4 0.0 34.0

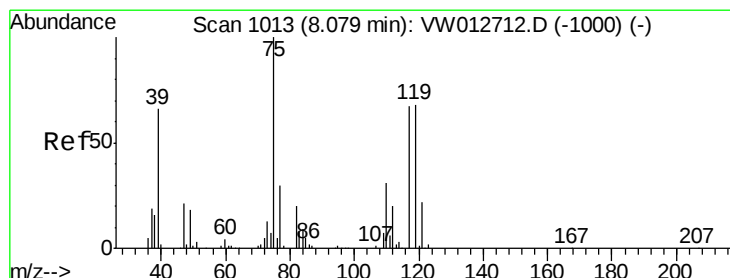
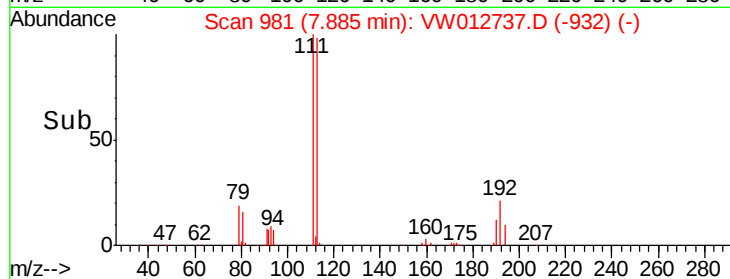
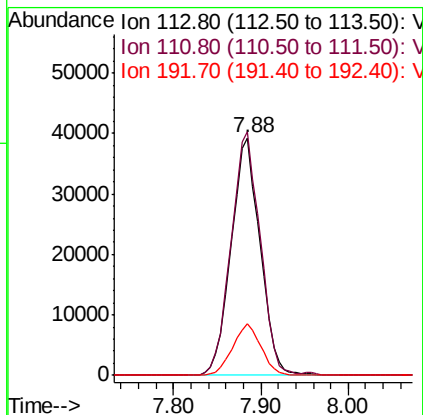
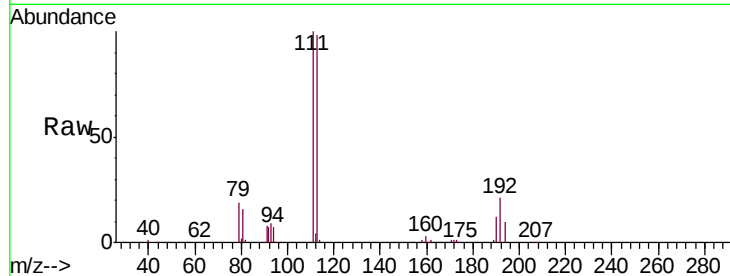




#35
 Dibromofluoromethane
 Concen: 49.619 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012737.D
 Acq: 07 Sep 2019 22:55

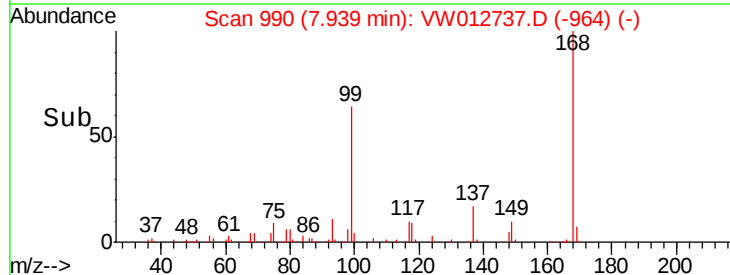
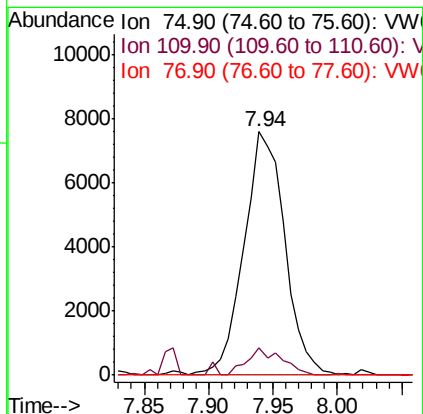
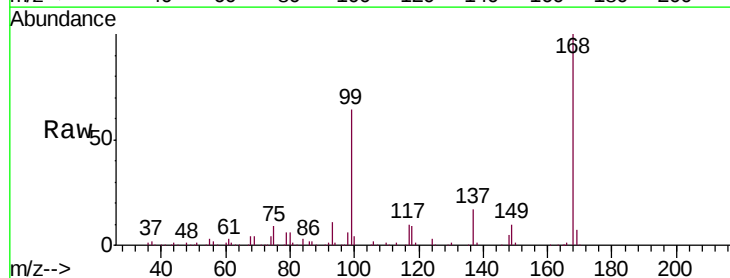
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3-(8-10)

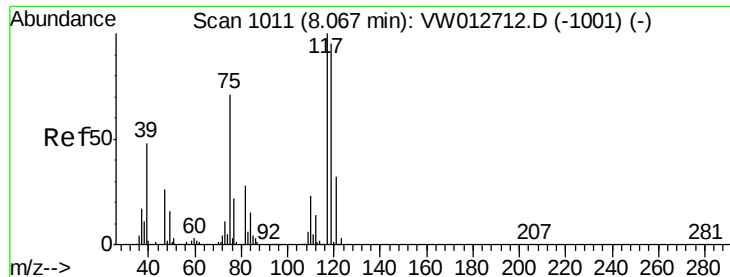
Tgt Ion: 113 Resp: 90629
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.2 120.4
 192 21.1 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 6.067 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012737.D
 Acq: 07 Sep 2019 22:55

Tgt Ion: 75 Resp: 16561
 Ion Ratio Lower Upper
 75 100
 110 9.5 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.557 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012737.D

Acq: 07 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

SB-3-(8-10)

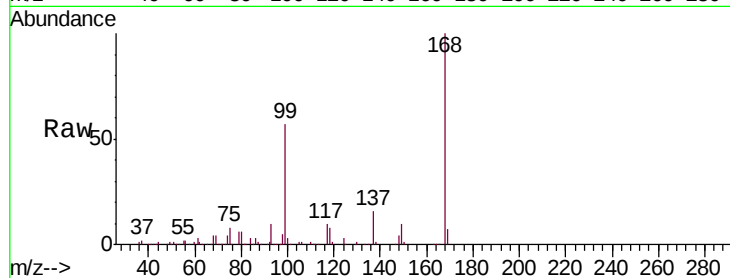
Tgt Ion:117 Resp: 20335

Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.2#

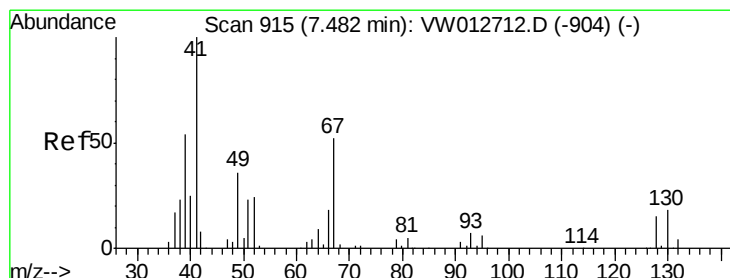
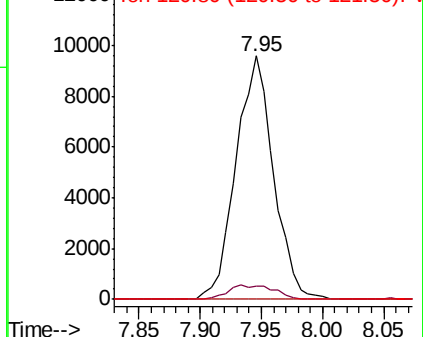
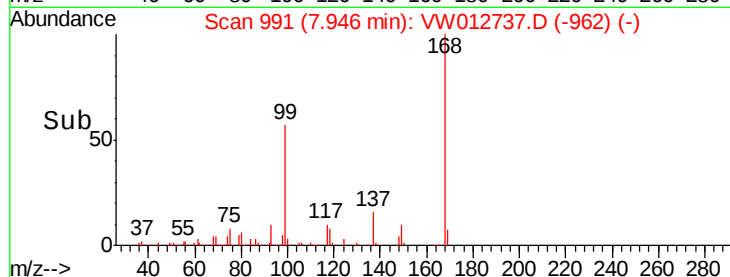
121 0.0 25.4 38.2#



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: 3.943 ug/l

RT: 7.50 min Scan# 918

Delta R.T. 0.02 min

Lab File: VW012737.D

Acq: 07 Sep 2019 22:55

Tgt Ion: 41 Resp: 133

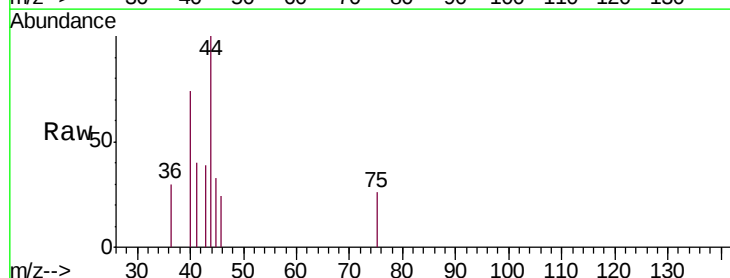
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

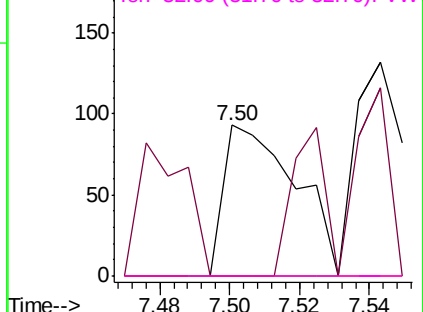
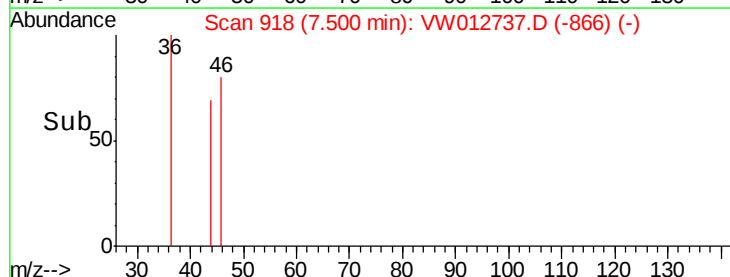


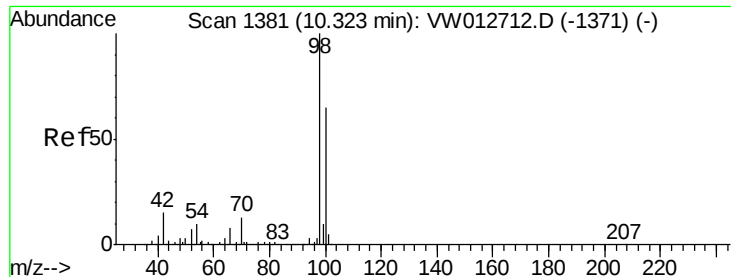
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#50

Toluene-d8

Concen: 50.717 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012737.D

Acq: 07 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

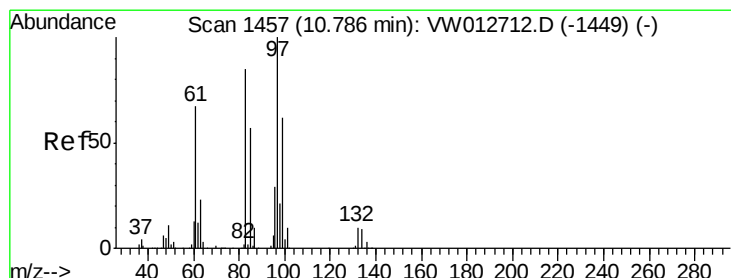
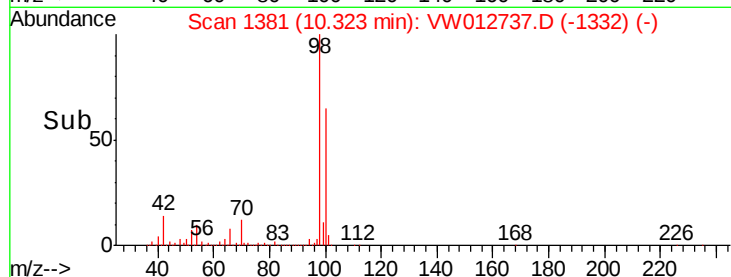
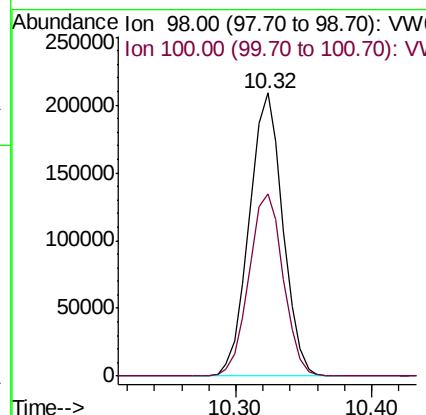
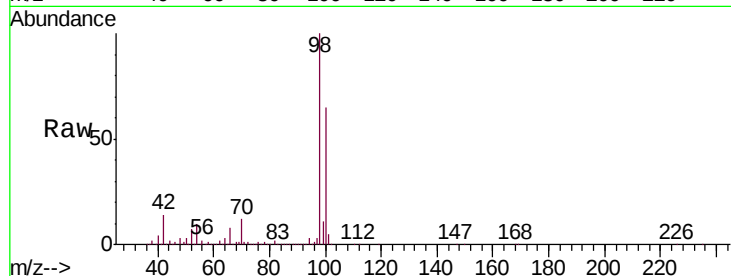
SB-3-(8-10)

Tgt Ion: 98 Resp: 362914

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4



#55

1,1,2-Trichloroethane

Concen: 1.406 ug/l

RT: 10.80 min Scan# 1459

Delta R.T. 0.01 min

Lab File: VW012737.D

Acq: 07 Sep 2019 22:55

Tgt Ion: 97 Resp: 2094

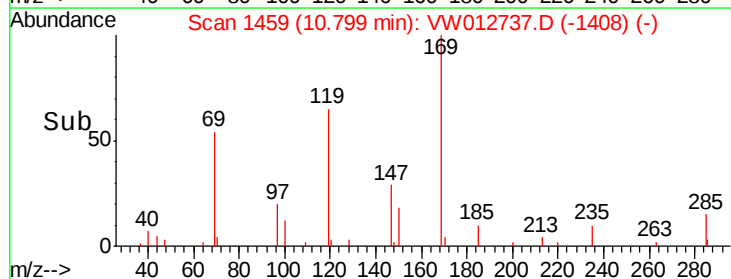
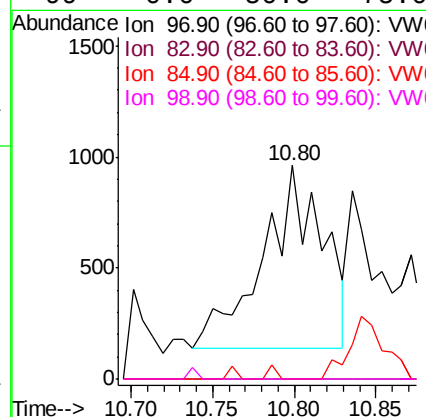
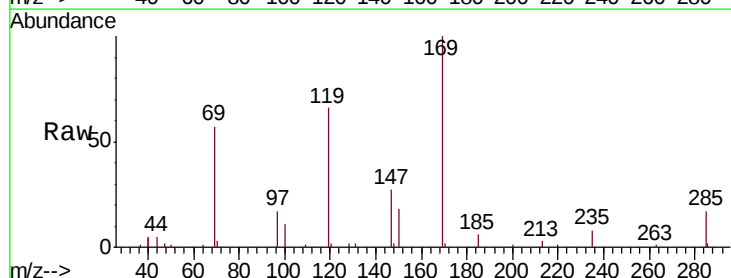
Ion Ratio Lower Upper

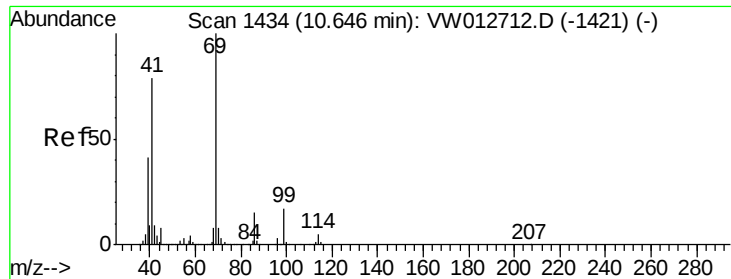
97 100

83 0.0 68.1 102.1#

85 0.0 45.3 67.9#

99 0.0 50.0 75.0#





#56

Ethyl methacrylate

Concen: 1.490 ug/l

RT: 10.58 min Scan# 1423

Delta R.T. -0.07 min

Lab File: VW012737.D

Acq: 07 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

SB-3-(8-10)

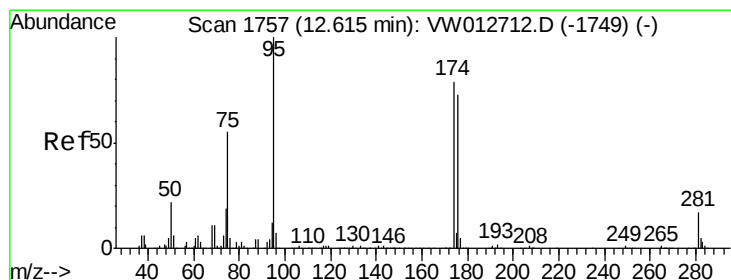
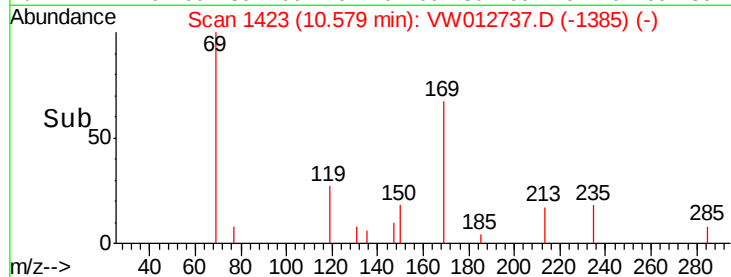
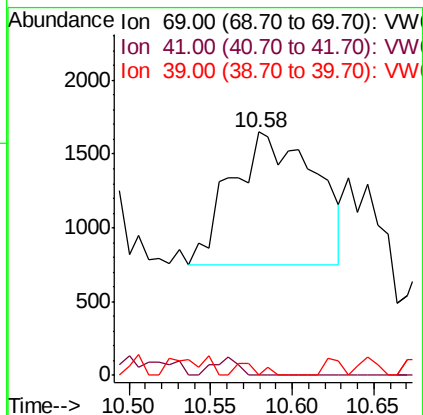
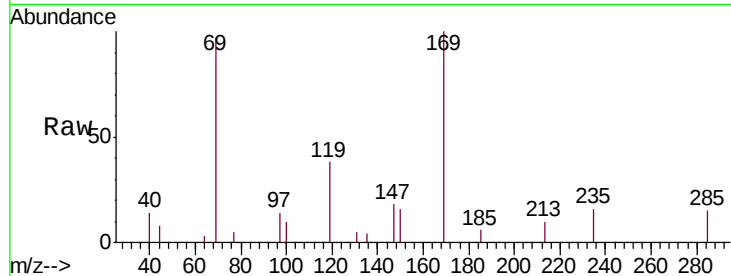
Tgt Ion: 69 Resp: 3249

Ion Ratio Lower Upper

69 100

41 3.8 64.4 96.6#

39 2.5 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 37.293 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012737.D

Acq: 07 Sep 2019 22:55

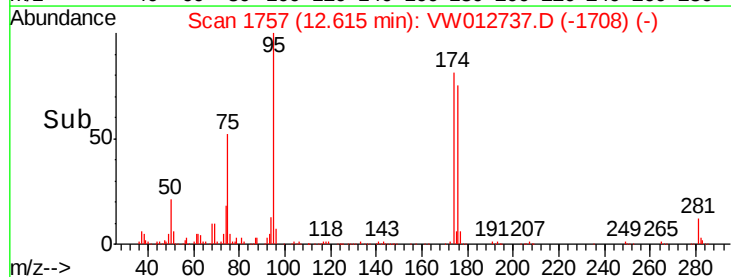
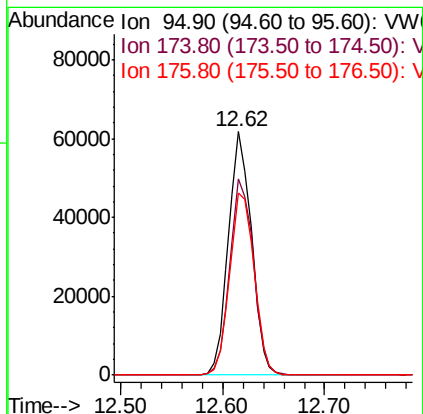
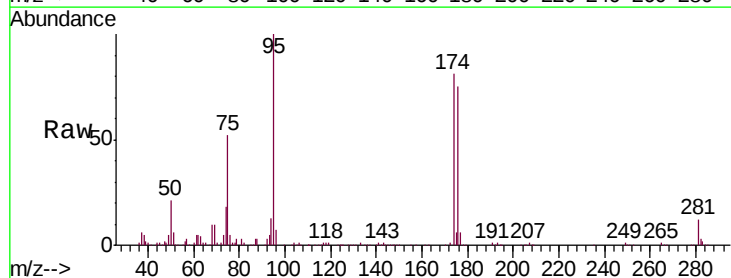
Tgt Ion: 95 Resp: 96878

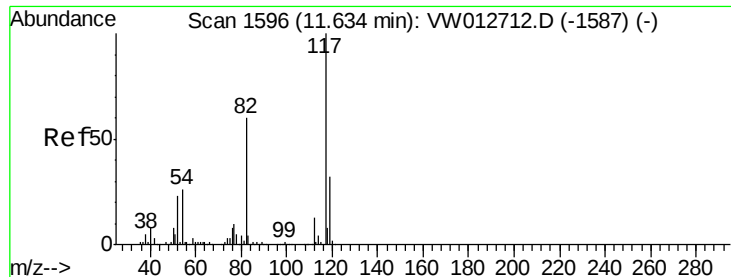
Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.0

176 78.9 0.0 156.4

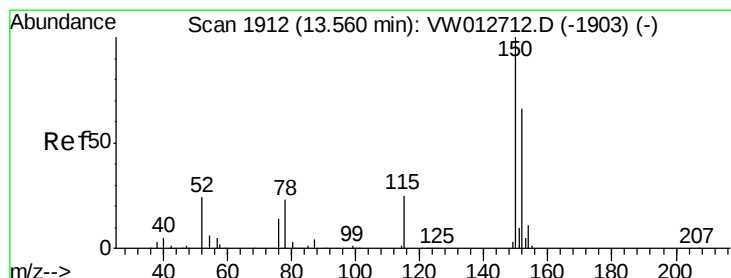
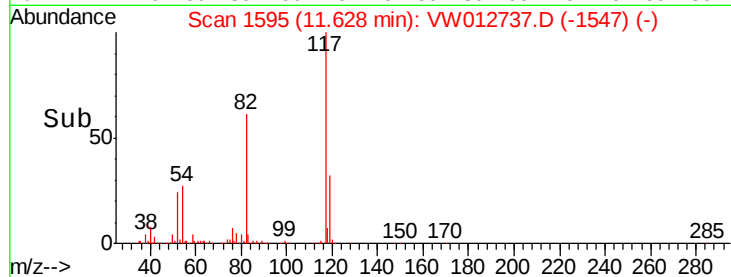
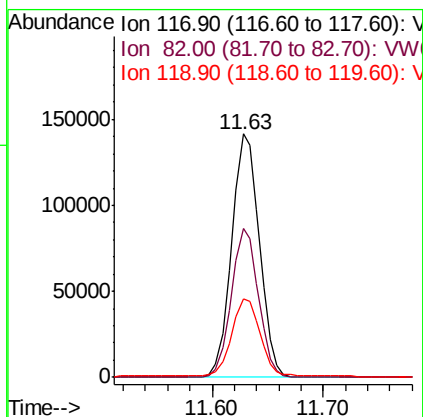
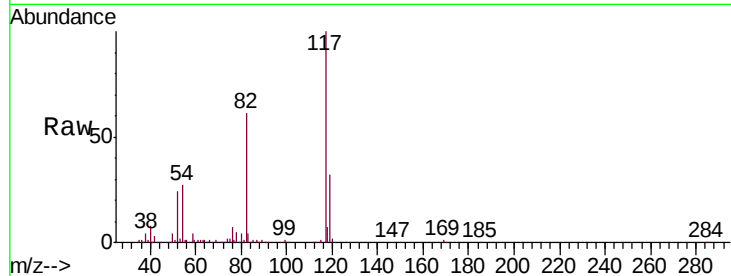




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012737.D
Acq: 07 Sep 2019 22:55

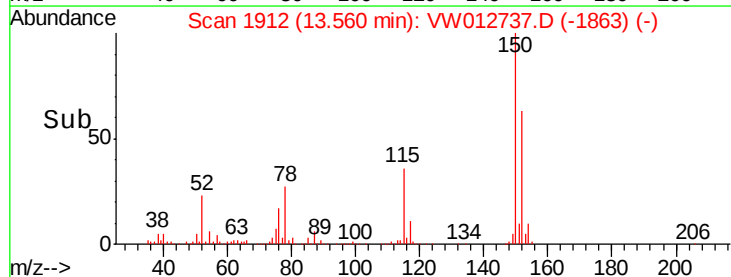
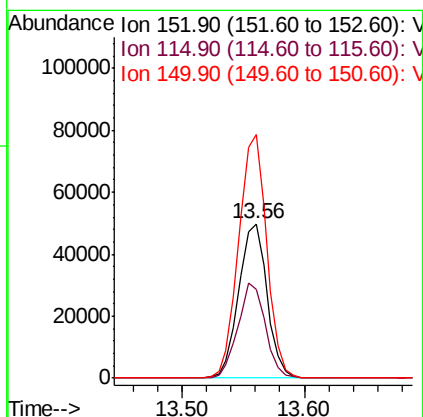
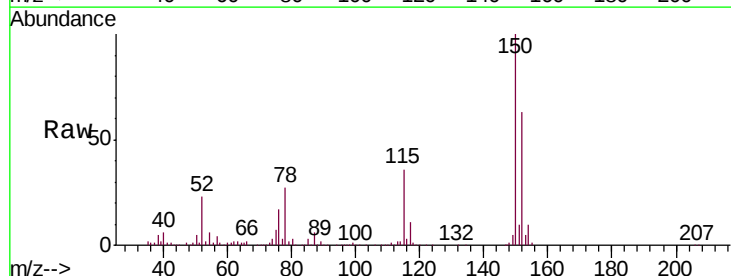
Instrument :
MSVOA_W
ClientSampleId :
SB-3-(8-10)

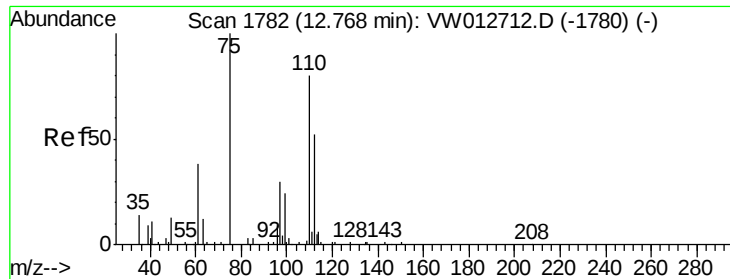
Tgt Ion:117 Resp: 243380
Ion Ratio Lower Upper
117 100
82 61.4 48.2 72.4
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012737.D
Acq: 07 Sep 2019 22:55

Tgt Ion:152 Resp: 80076
Ion Ratio Lower Upper
152 100
115 59.2 30.0 90.1
150 155.9 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 65.564 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012737.D

Acq: 07 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

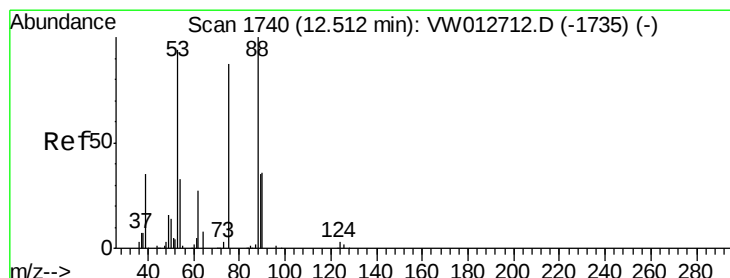
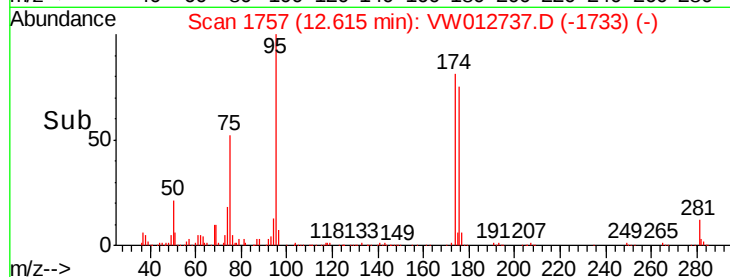
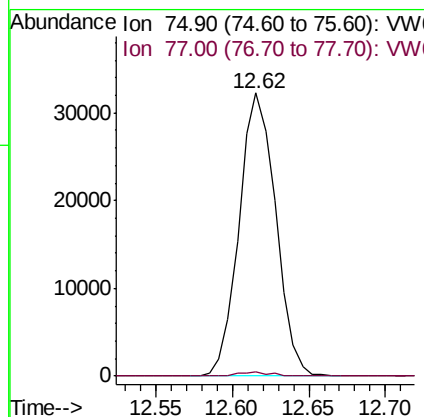
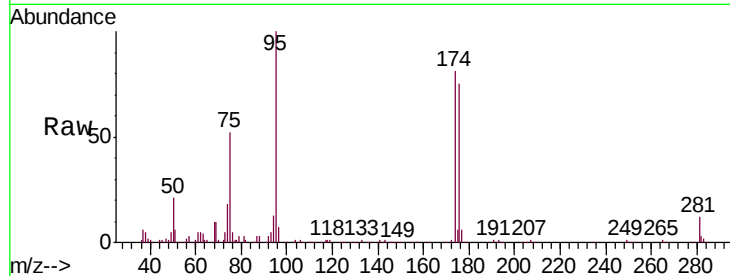
SB-3-(8-10)

Tgt Ion: 75 Resp: 53685

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.673 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012737.D

Acq: 07 Sep 2019 22:55

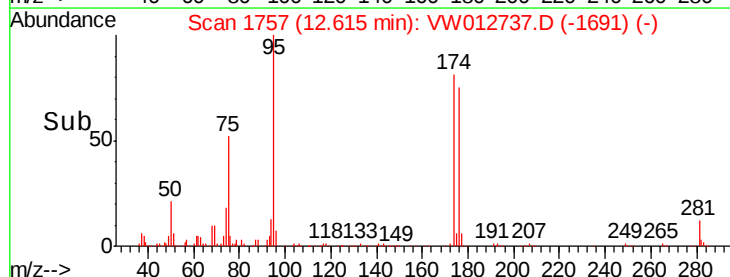
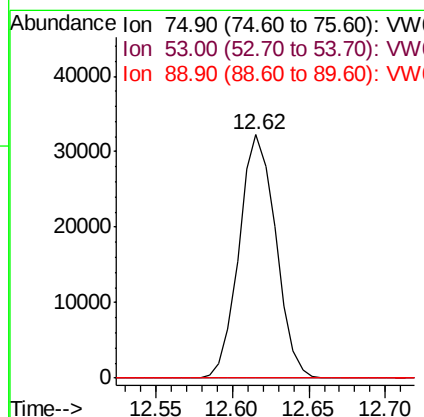
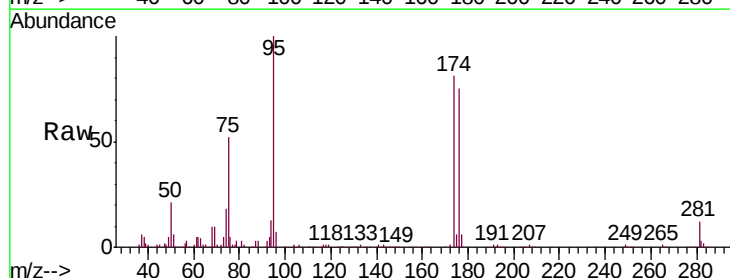
Tgt Ion: 75 Resp: 53685

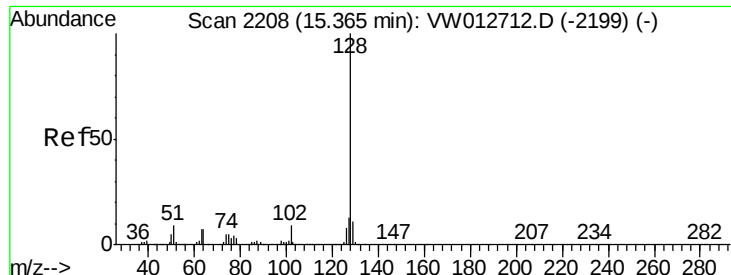
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.1 35.5 53.3#





#95

Naphthalene

Concen: 4.465 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012737.D

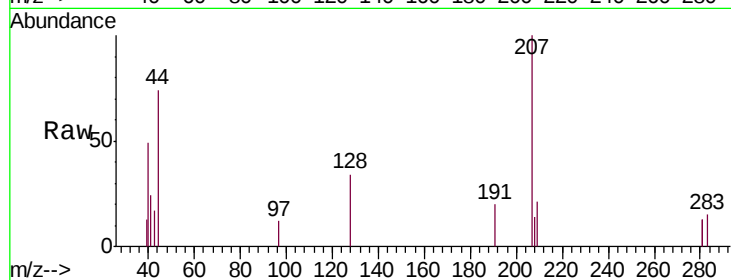
Acq: 07 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

SB-3-(8-10)



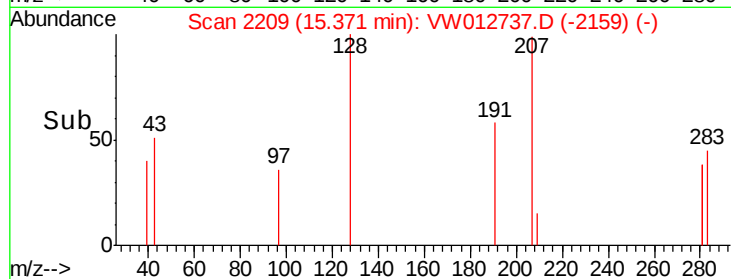
Tgt Ion:128 Resp: 95

Ion Ratio Lower Upper

128 100

127 0.0 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

15.37

15.34 15.36 15.38

Time-->