

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012647.D
 Acq On : 05 Sep 2019 18:03
 Operator : SY/VA
 Sample : K4547-19RE
 Misc : 5.28G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T11-1-(0)

Quant Time: Sep 06 07:54:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	384282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109423	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	151223	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
35) Dibromofluoromethane	7.88	113	118496	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	10.32	98	456206	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.62	95	136998	41.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.58%	

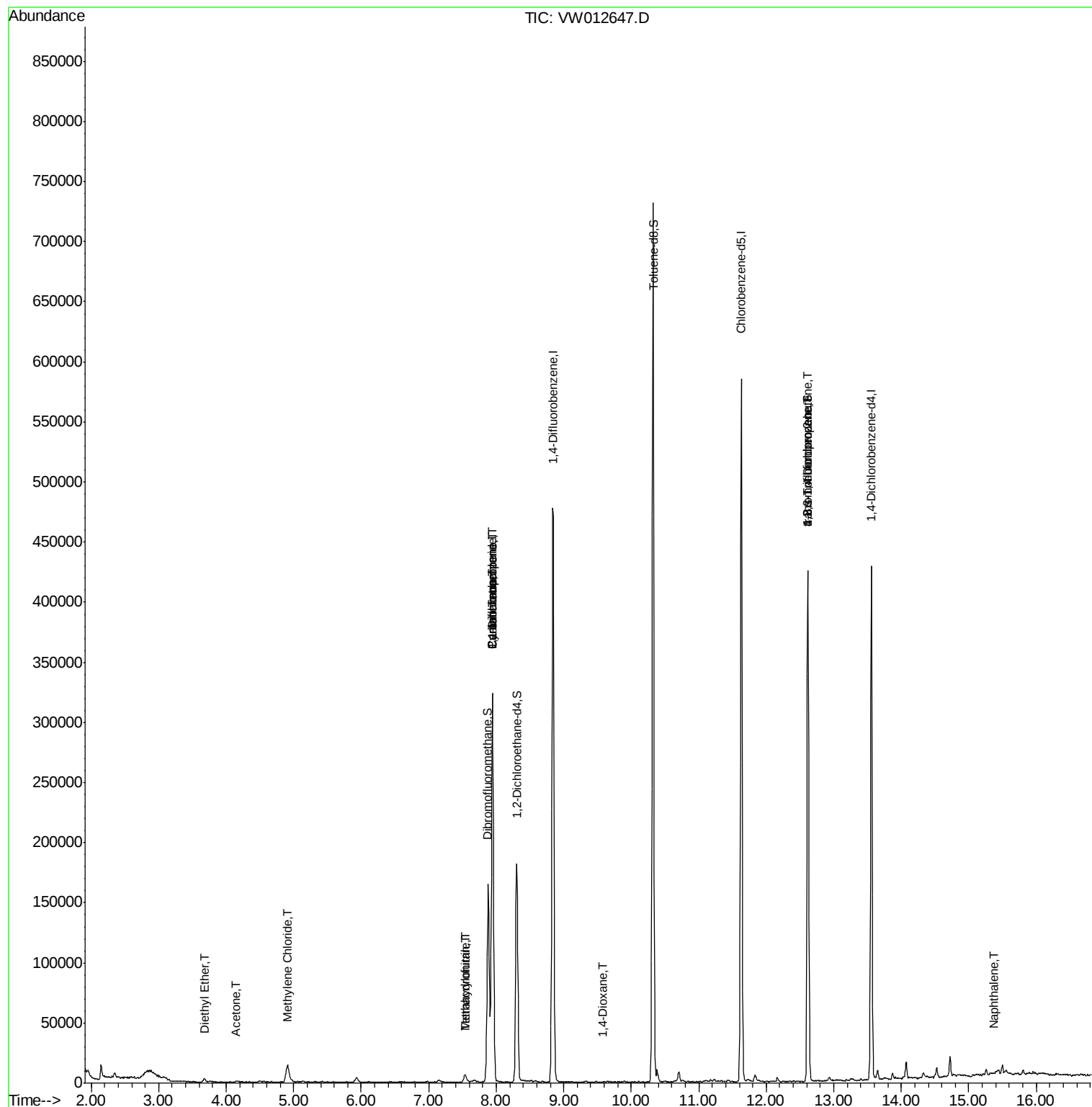
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1539	1.164	ug/l	94
16) Acetone	4.15	43	1477	2.046	ug/l	96
20) Methylene Chloride	4.90	84	10644	3.899	ug/l #	78
29) Tetrahydrofuran	7.54	42	5691	9.668	ug/l #	83
31) Cyclohexane	7.95	56	5757	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19059	4.799	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23135	6.731	ug/l #	17
41) Methacrylonitrile	7.54	41	3797	2.969	ug/l #	55
49) 1,4-Dioxane	9.57	88	54	2.717	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	73690	69.147	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73690	151.607	ug/l #	6
95) Naphthalene	15.37	128	462	4.423	ug/l #	84

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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: VW012647.D

Acq: 05 Sep 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

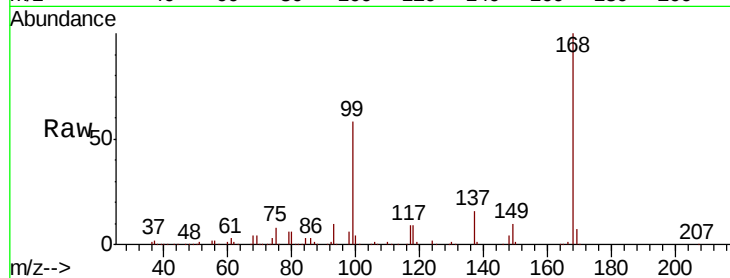
T11-1-(0)

Tgt Ion:168 Resp: 237618

Ion Ratio Lower Upper

168 100

99 58.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

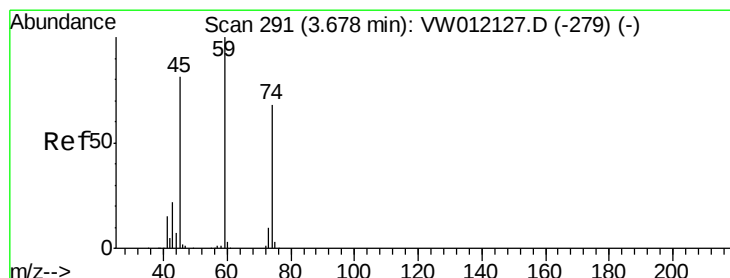
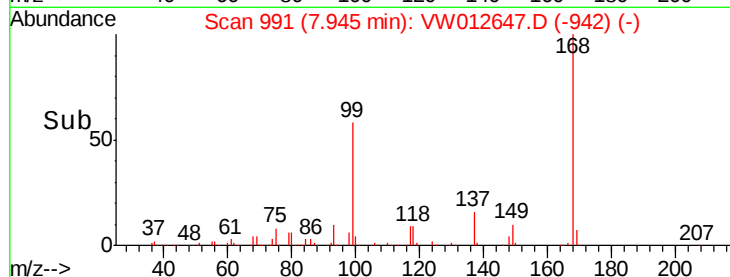
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.164 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012647.D

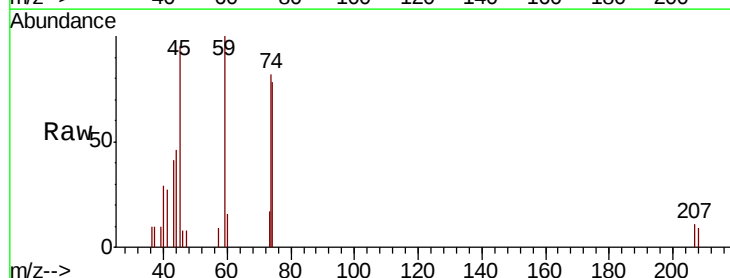
Acq: 05 Sep 2019 18:03

Tgt Ion: 74 Resp: 1539

Ion Ratio Lower Upper

74 100

45 111.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

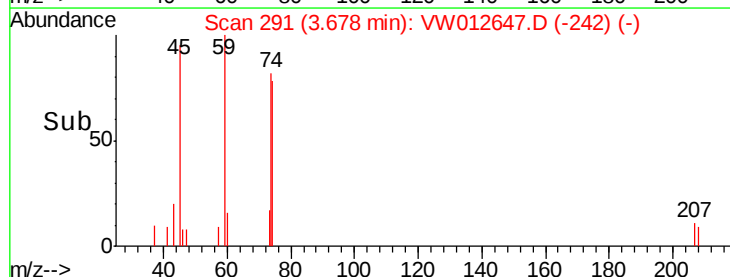
600

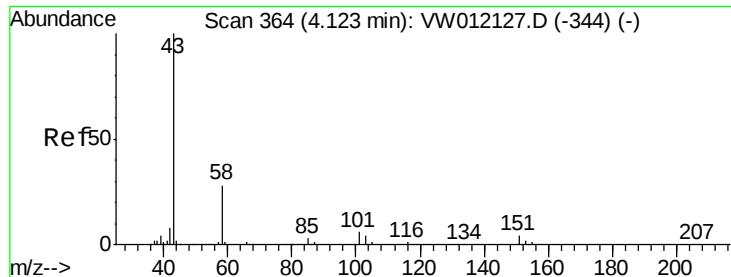
400

200

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: 2.046 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW012647.D

Acq: 05 Sep 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

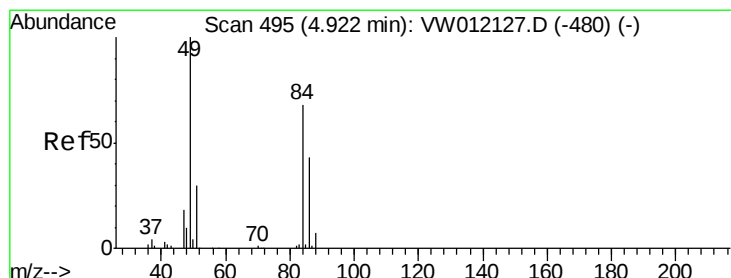
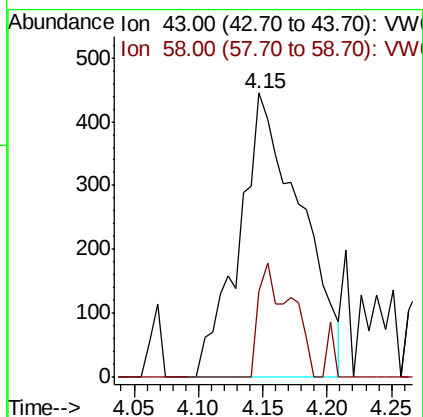
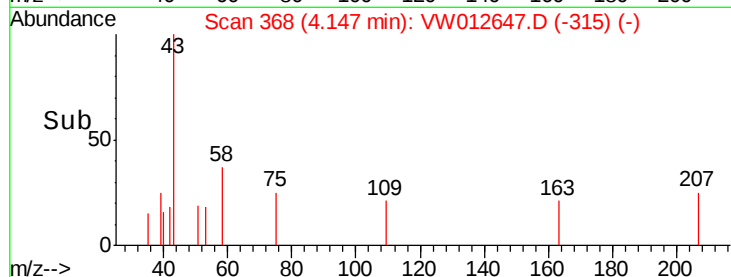
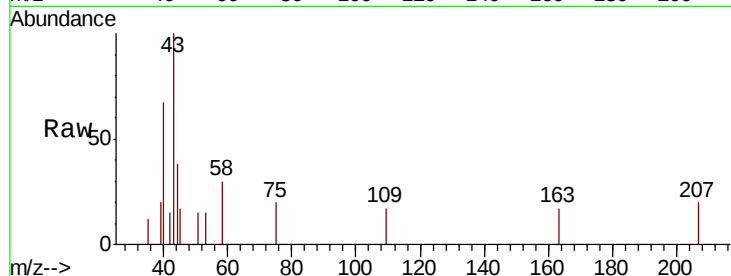
T11-1-(0)

Tgt Ion: 43 Resp: 1477

Ion Ratio Lower Upper

43 100

58 29.9 22.4 33.6



#20

Methylene Chloride

Concen: 3.899 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW012647.D

Acq: 05 Sep 2019 18:03

Tgt Ion: 84 Resp: 10644

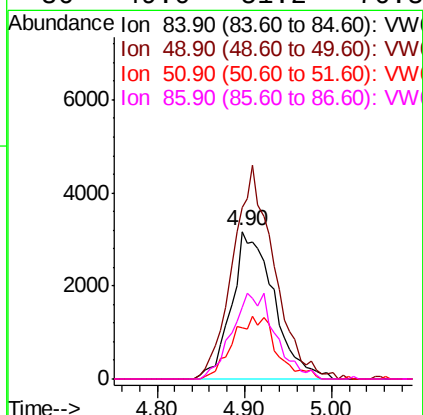
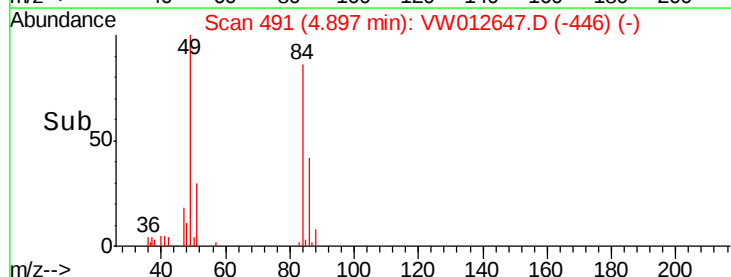
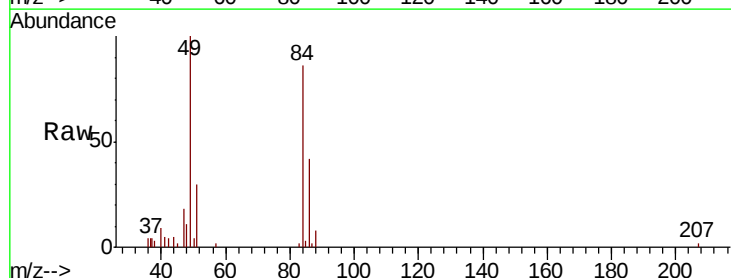
Ion Ratio Lower Upper

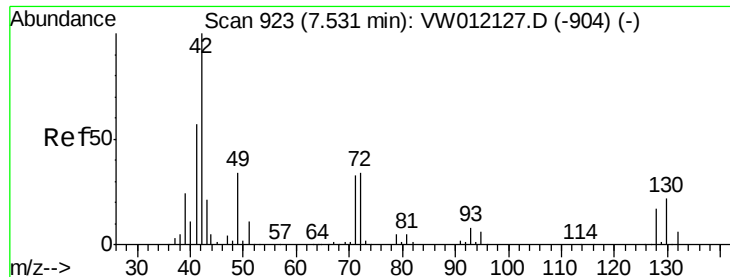
84 100

49 116.1 117.8 176.8#

51 34.4 35.6 53.4#

86 49.0 51.2 76.8#





#29

Tetrahydrofuran

Concen: 9.668 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012647.D

Acq: 05 Sep 2019 18:03

Instrument :

MSVOA_W

ClientSampled :

T11-1-(0)

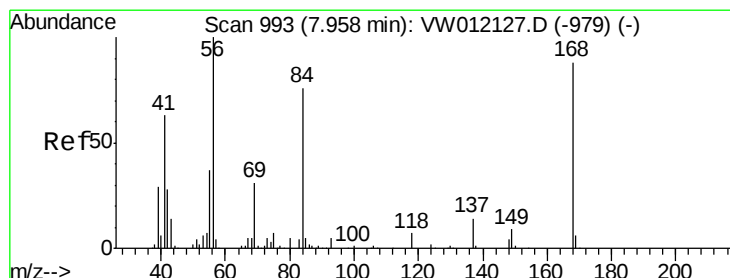
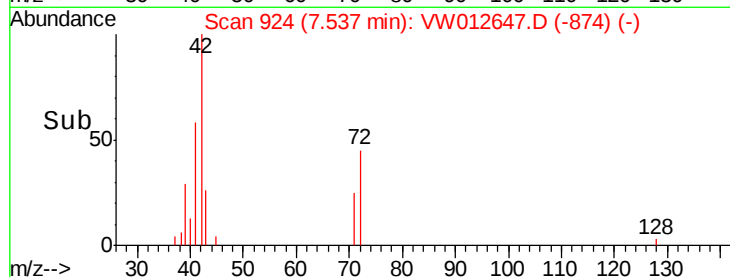
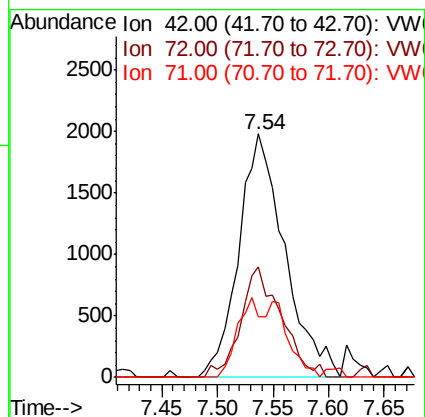
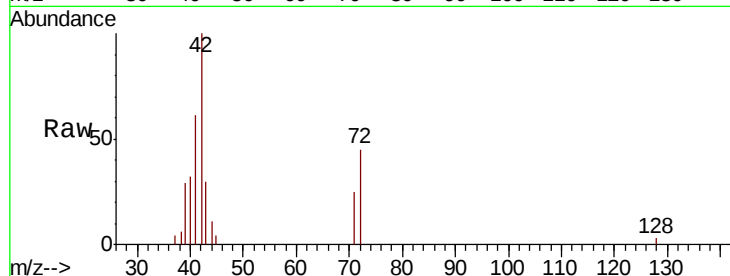
Tgt Ion: 42 Resp: 5691

Ion Ratio Lower Upper

42 100

72 40.3 27.3 40.9

71 18.6 25.5 38.3#



#31

Cyclohexane

Concen: 1.132 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012647.D

Acq: 05 Sep 2019 18:03

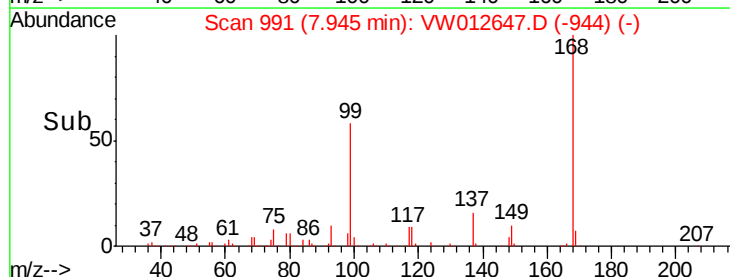
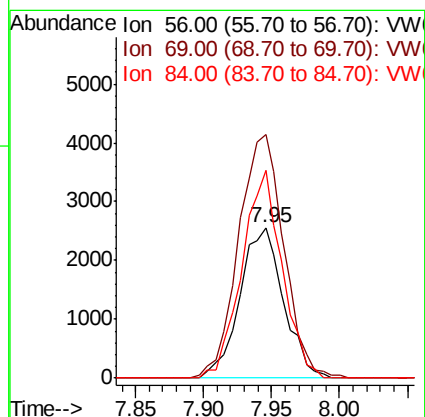
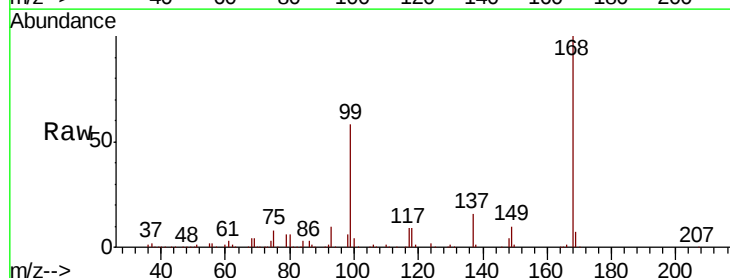
Tgt Ion: 56 Resp: 5757

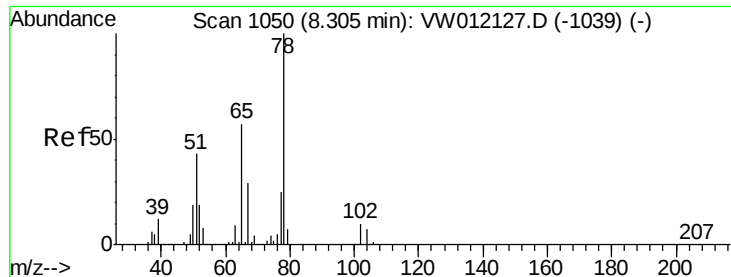
Ion Ratio Lower Upper

56 100

69 161.5 24.9 37.3#

84 138.0 60.6 90.8#

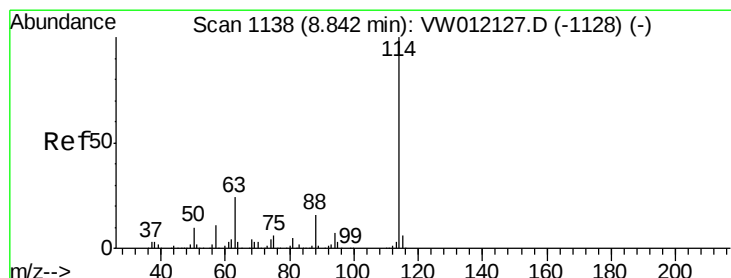
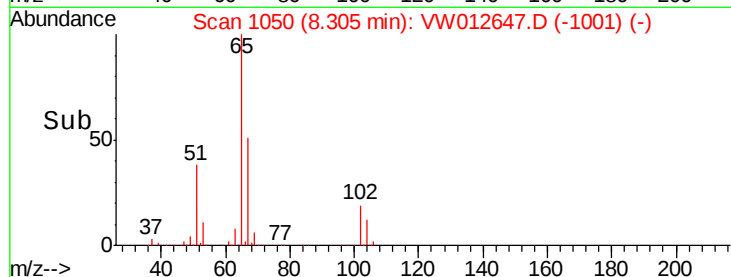
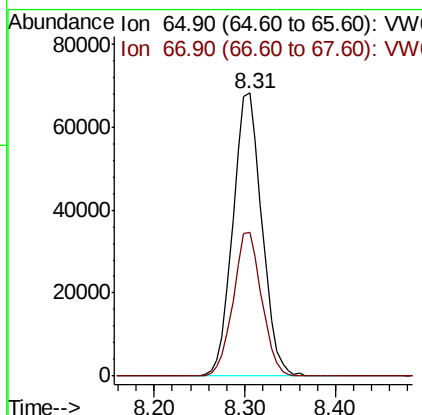
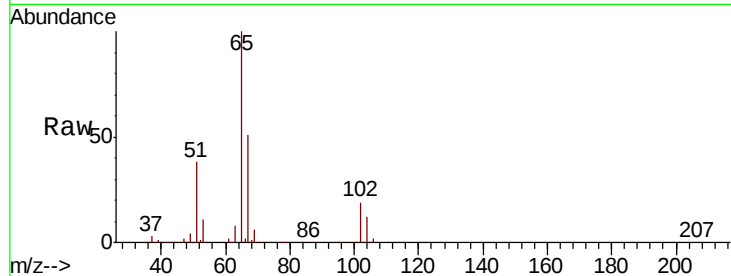




#33
 1,2-Dichloroethane-d4
 Concen: 53.536 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012647.D
 Acq: 05 Sep 2019 18:03

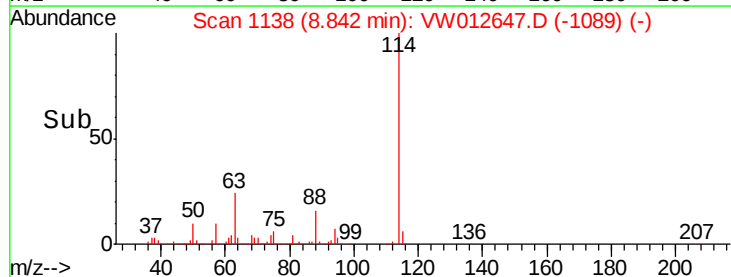
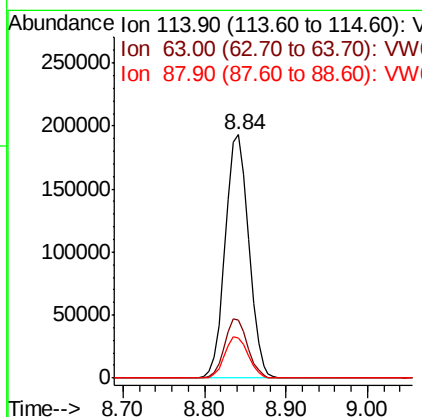
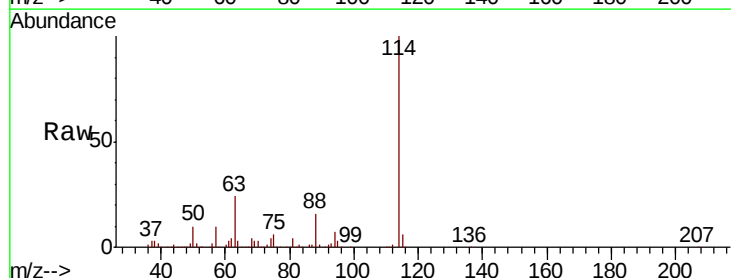
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-1-(0)

Tgt Ion: 65 Resp: 151223
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012647.D
 Acq: 05 Sep 2019 18:03

Tgt Ion: 114 Resp: 384282
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 48.6
 88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.659 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012647.D

Acq: 05 Sep 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

T11-1-(0)

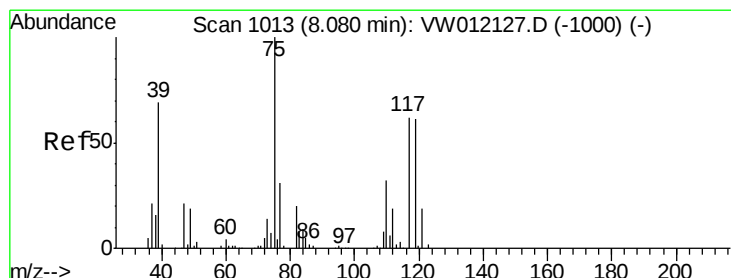
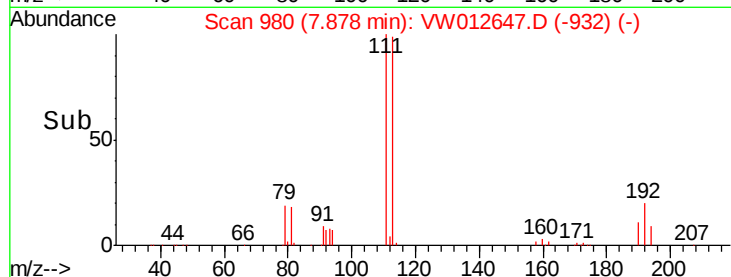
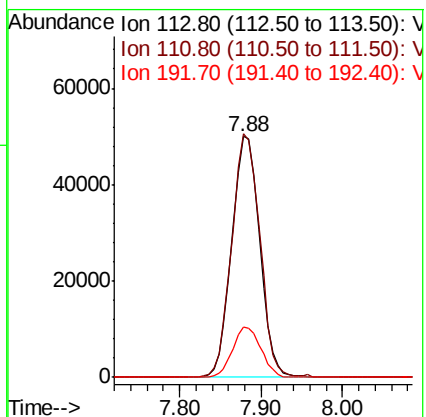
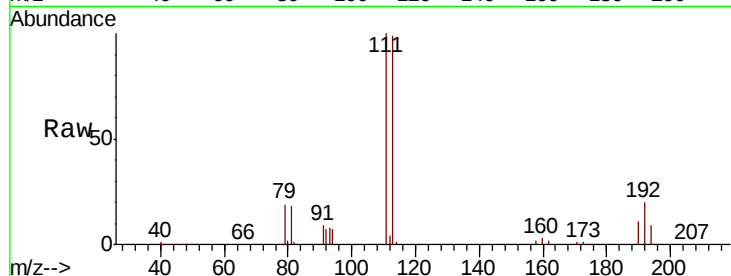
Tgt Ion:113 Resp: 118496

Ion Ratio Lower Upper

113 100

111 101.6 82.7 124.1

192 21.3 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.799 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012647.D

Acq: 05 Sep 2019 18:03

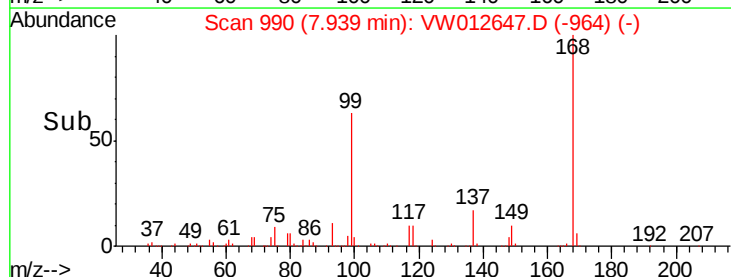
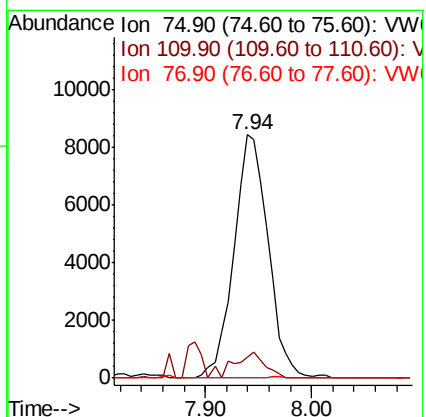
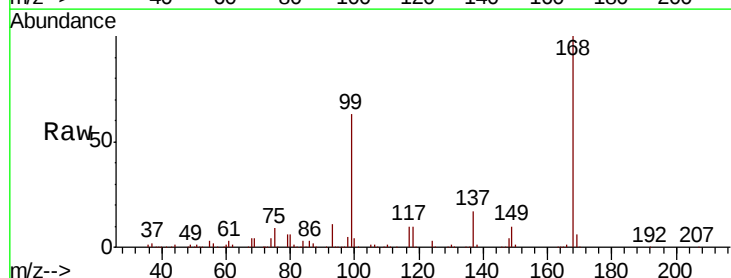
Tgt Ion: 75 Resp: 19059

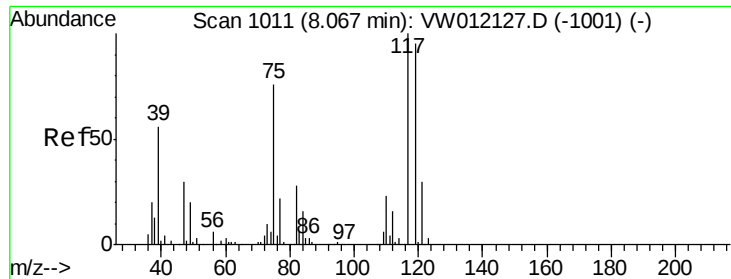
Ion Ratio Lower Upper

75 100

110 9.0 15.6 46.8#

77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.731 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012647.D

Acq: 05 Sep 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

T11-1-(0)

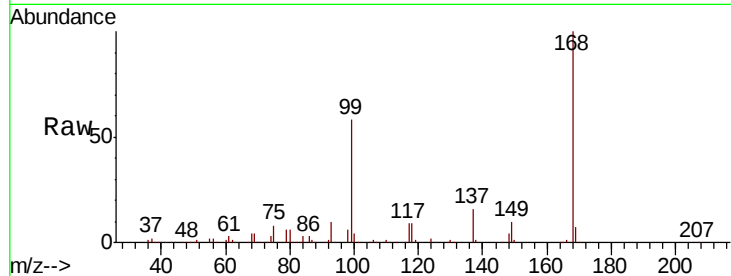
Tgt Ion:117 Resp: 23135

Ion Ratio Lower Upper

117 100

119 5.9 76.2 114.2#

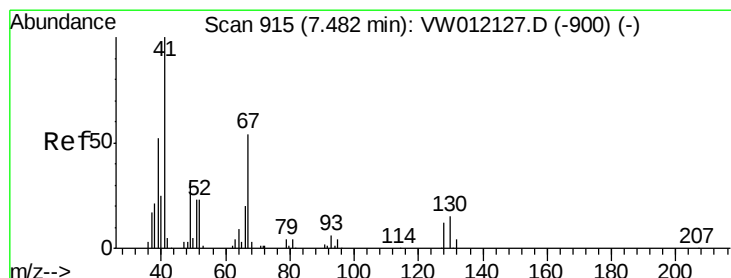
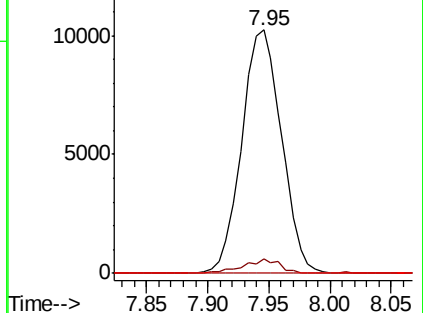
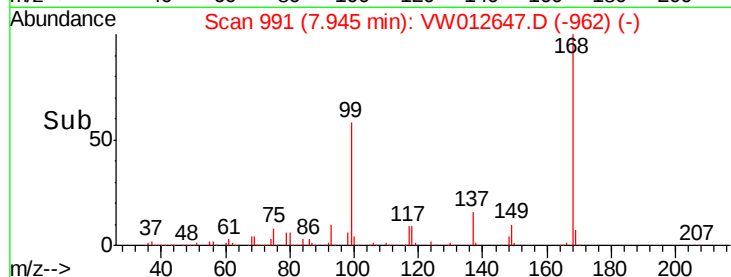
121 0.0 23.8 35.8#



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: 2.969 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012647.D

Acq: 05 Sep 2019 18:03

Tgt Ion: 41 Resp: 3797

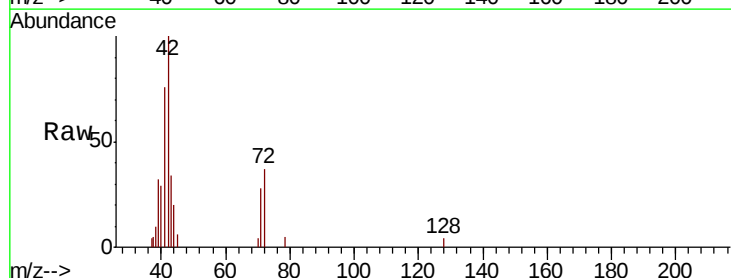
Ion Ratio Lower Upper

41 100

39 50.2 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

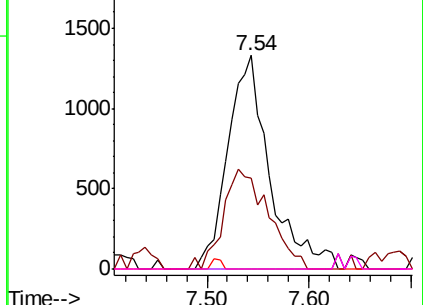
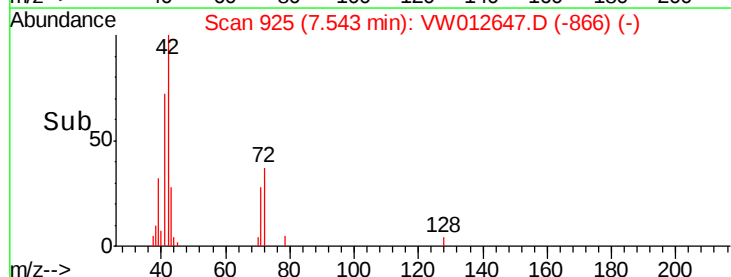


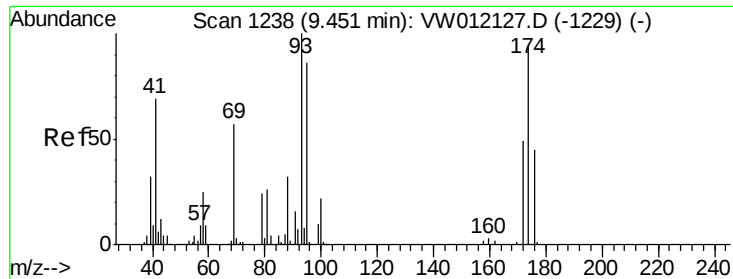
Abundance Ion 41.00 (40.70 to 41.70): VW

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

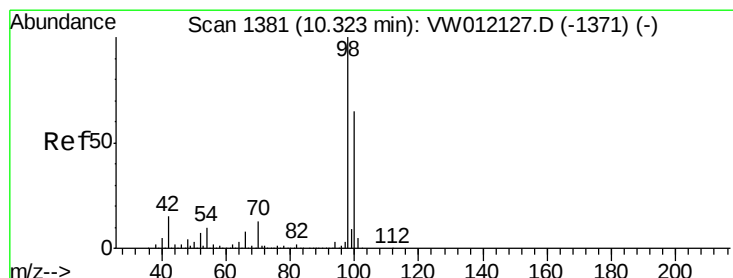
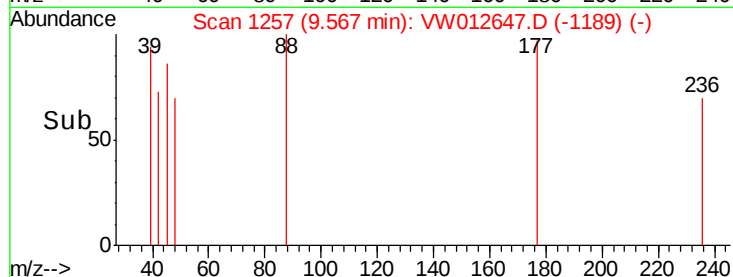
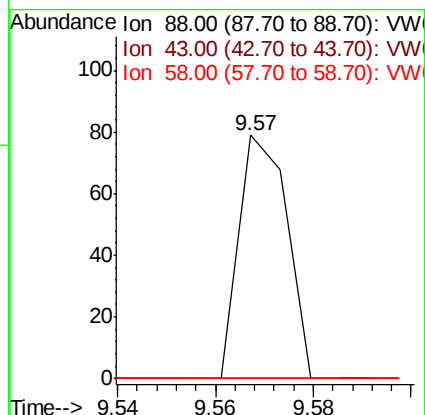
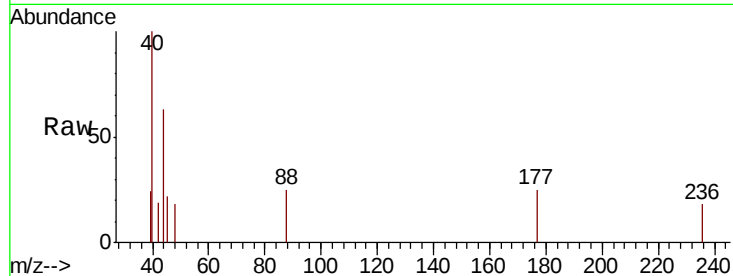




#49
1,4-Dioxane
Concen: 2.717 ug/l
RT: 9.57 min Scan# 1257
Delta R.T. 0.12 min
Lab File: VW012647.D
Acq: 05 Sep 2019 18:03

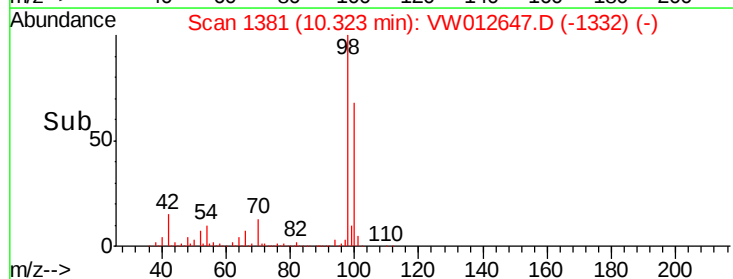
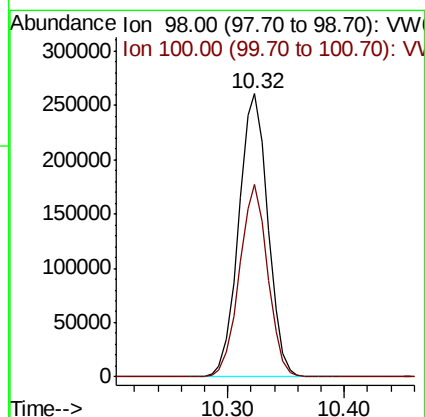
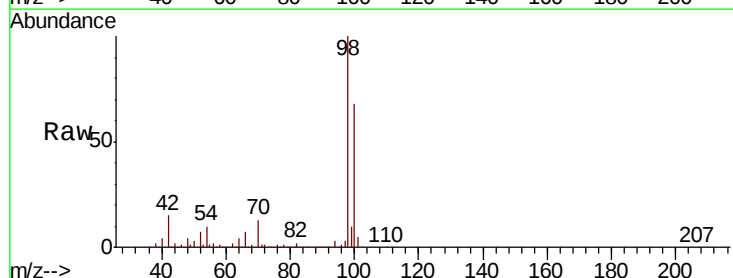
Instrument :
MSVOA_W
ClientSampled :
T11-1-(0)

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 32.9 49.3#
58 0.0 71.0 106.4#



#50
Toluene-d8
Concen: 49.051 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012647.D
Acq: 05 Sep 2019 18:03

Tgt Ion: 98 Resp: 456206
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

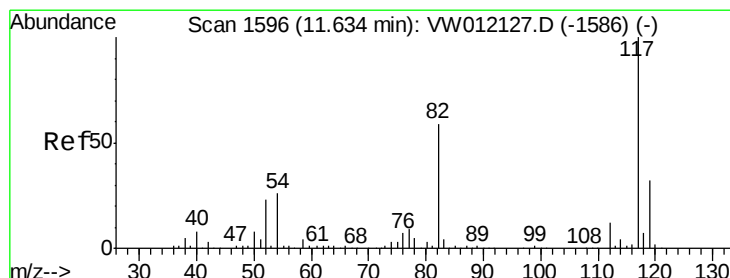
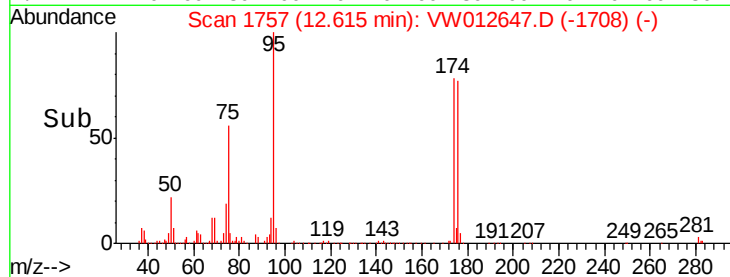
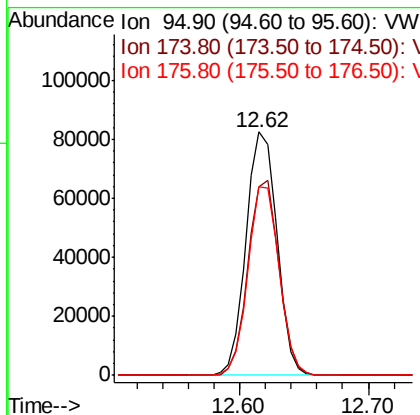
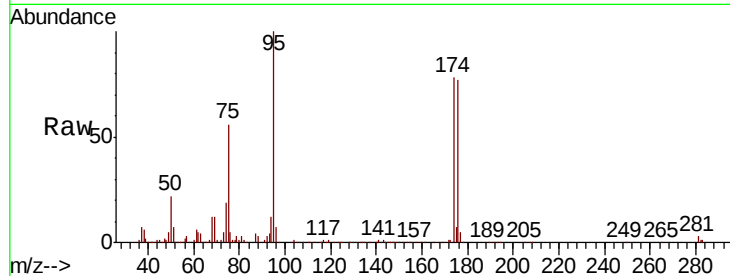




#62
4-Bromofluorobenzene
Concen: 41.787 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012647.D
Acq: 05 Sep 2019 18:03

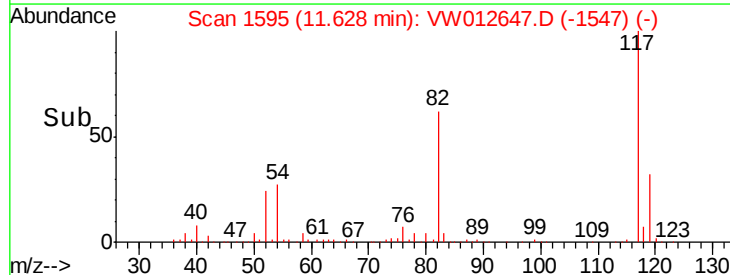
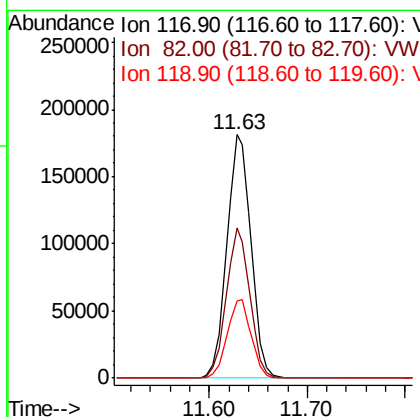
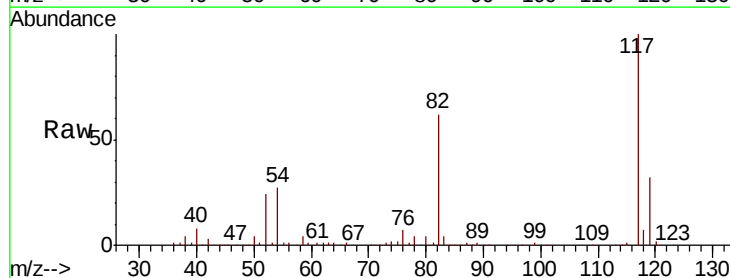
Instrument :
MSVOA_W
ClientSampleId :
T11-1-(0)

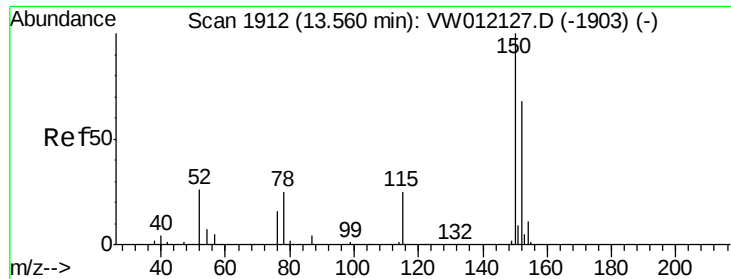
Tgt Ion: 95 Resp: 136998
Ion Ratio Lower Upper
95 100
174 79.6 0.0 150.8
176 77.9 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012647.D
Acq: 05 Sep 2019 18:03

Tgt Ion: 117 Resp: 307933
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.2
119 31.8 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012647.D

Acq: 05 Sep 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

T11-1-(0)

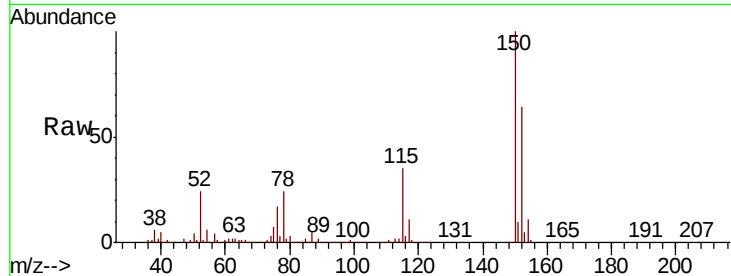
Tgt Ion:152 Resp: 109423

Ion Ratio Lower Upper

152 100

115 58.9 30.1 90.3

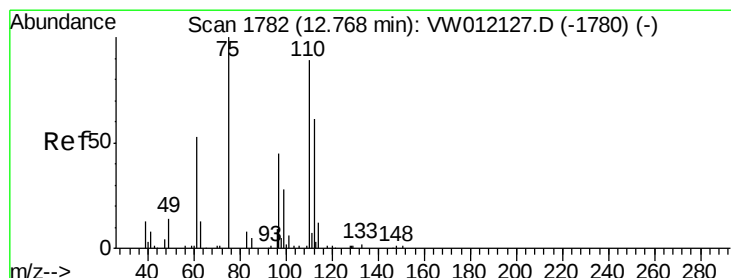
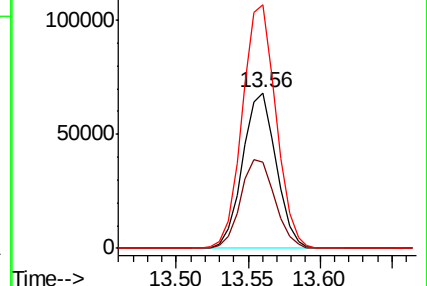
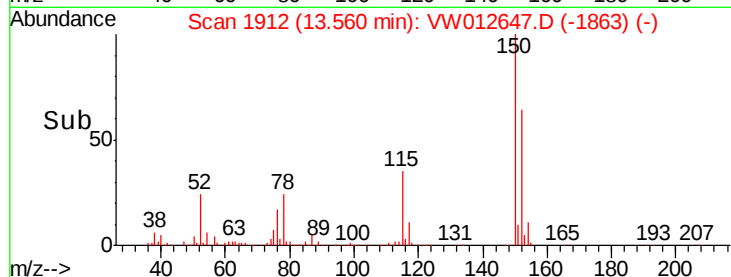
150 157.9 0.0 345.8



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: 69.147 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012647.D

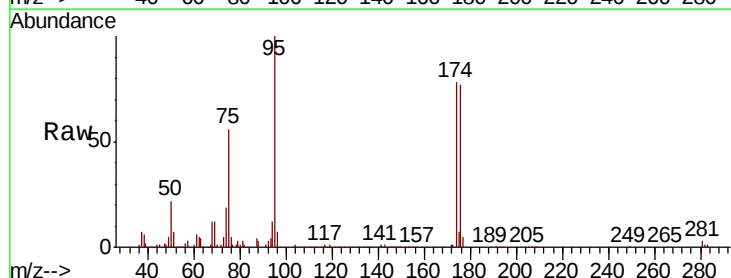
Acq: 05 Sep 2019 18:03

Tgt Ion: 75 Resp: 73690

Ion Ratio Lower Upper

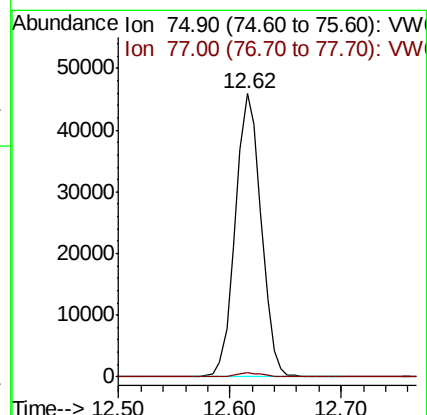
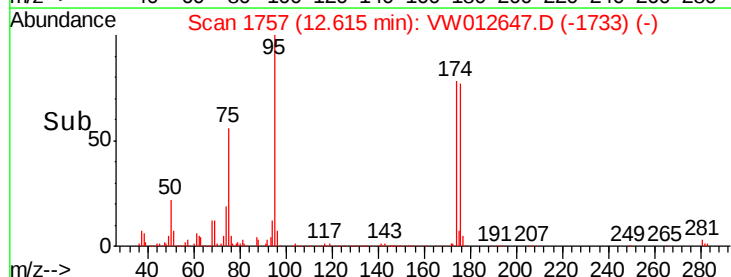
75 100

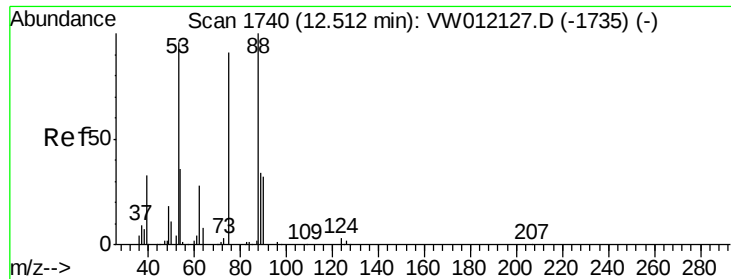
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

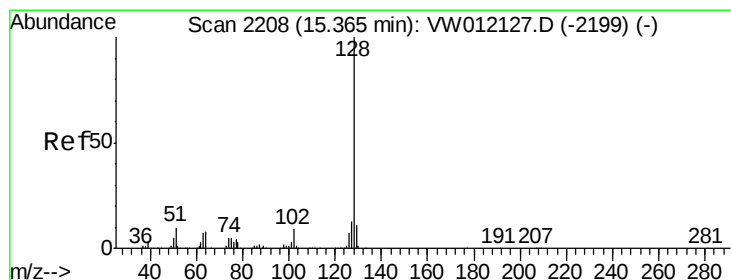
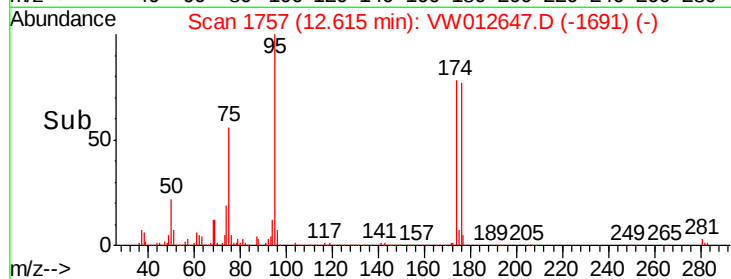
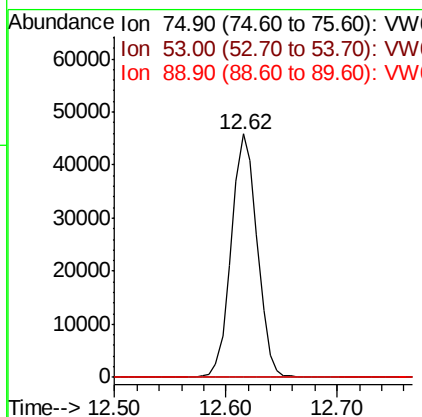
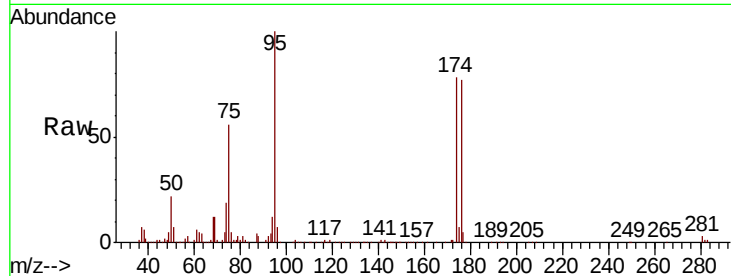




#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.607 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012647.D
 Acq: 05 Sep 2019 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 T11-1-(0)

Tgt Ion: 75 Resp: 73690
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.4 134.0#
 89 0.0 34.5 51.7#



#95
 Naphthalene
 Concen: 4.423 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW012647.D
 Acq: 05 Sep 2019 18:03

Tgt Ion: 128 Resp: 462
 Ion Ratio Lower Upper
 128 100
 127 11.0 10.7 16.1
 129 0.0 8.7 13.1#

