

Data File : VW012847.D
Acq On : 10 Sep 2019 03:13
Operator : SY/VA
Sample : K4644-06
Misc : 6.40G/5ML/MSVOA_W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-D3-(4)

Quant Time: Sep 10 07:09:48 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	263823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	305199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	90914	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	140588	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	7.88	113	115218	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.32	98	461343	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.62	95	121146	36.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.30%	

Target Compounds

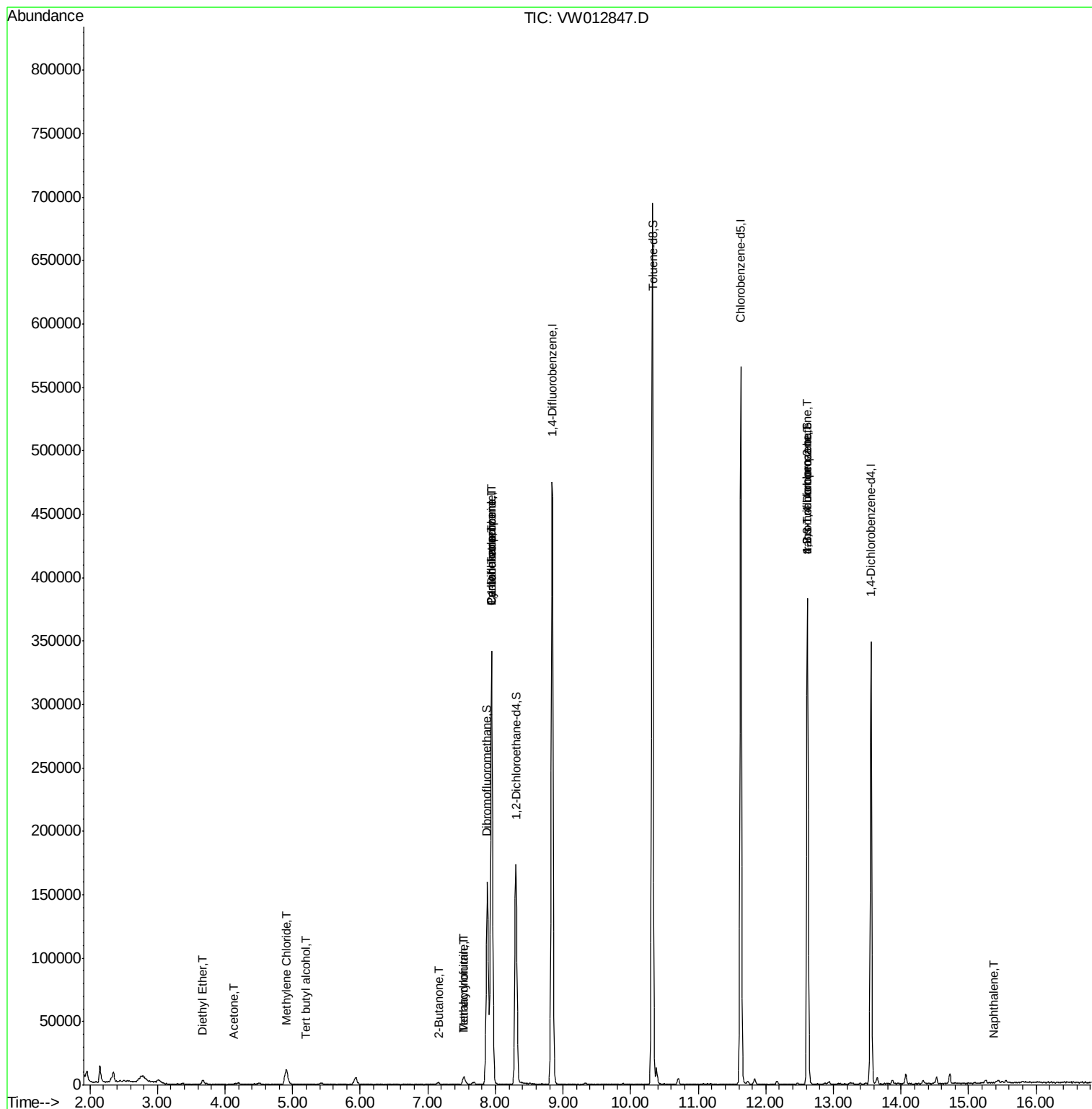
						Qvalue
8) Diethyl Ether	3.68	74	1877	1.518	ug/l	99
11) Tert butyl alcohol	5.19	59	319	1.414	ug/l #	72
16) Acetone	4.13	43	1176	1.463	ug/l	98
20) Methylene Chloride	4.90	84	8667	3.447	ug/l	83
25) 2-Butanone	7.15	43	65	19.731	ug/l #	53
29) Tetrahydrofuran	7.54	42	5386	8.299	ug/l	94
31) Cyclohexane	7.95	56	6004	1.386	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18880	5.361	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24645	7.100	ug/l #	16
41) Methacrylonitrile	7.53	41	3020	5.666	ug/l #	59
76) 1,2,3-Trichloropropane	12.62	75	62039	66.735	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62039	141.149	ug/l #	6
95) Naphthalene	15.37	128	125	4.469	ug/l #	69

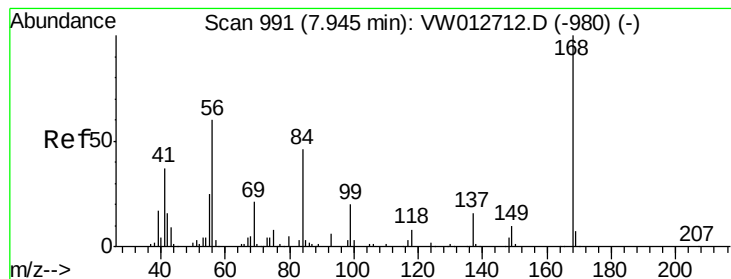
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW012847.D

Acq: 10 Sep 2019 03:13

Instrument :

MSVOA_W

ClientSampleId :

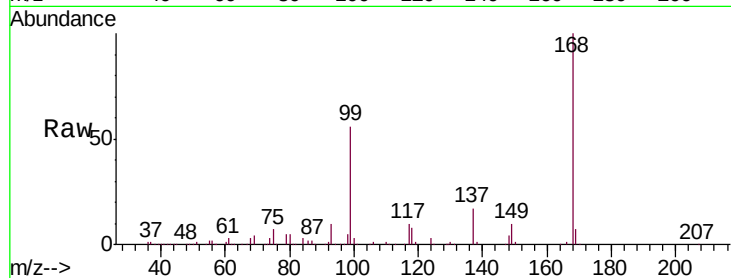
T11-D3-(4)

Tgt Ion:168 Resp: 263823

Ion Ratio Lower Upper

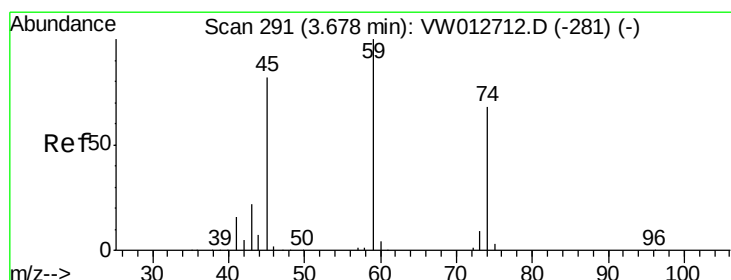
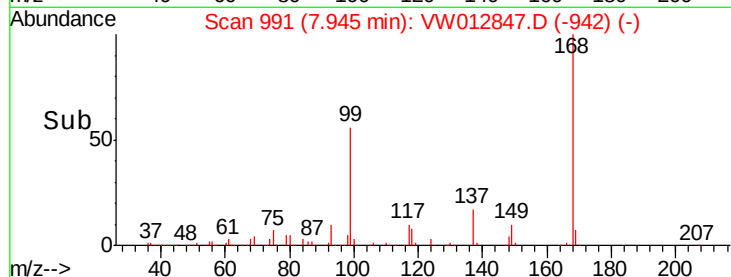
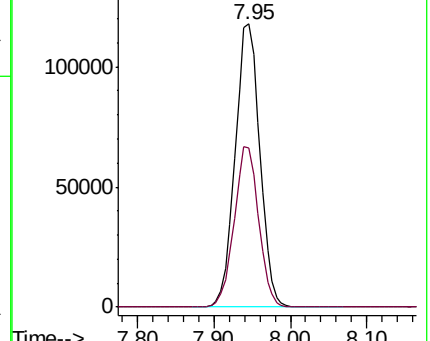
168 100

99 56.1 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.518 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012847.D

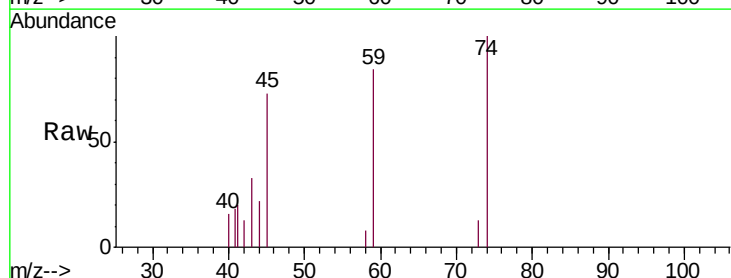
Acq: 10 Sep 2019 03:13

Tgt Ion: 74 Resp: 1877

Ion Ratio Lower Upper

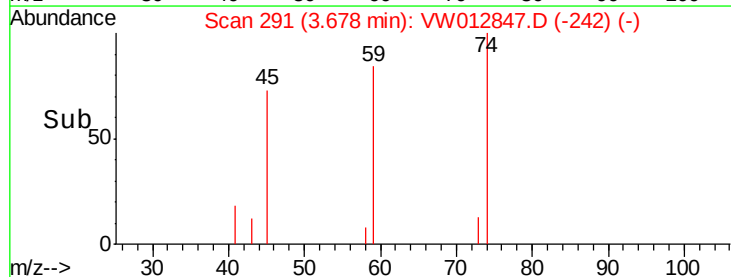
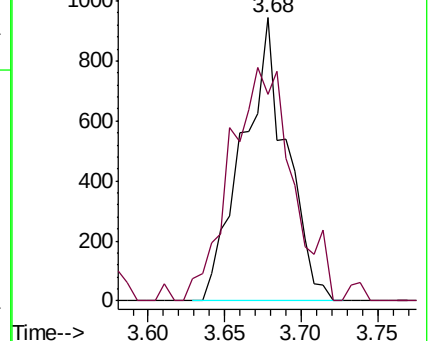
74 100

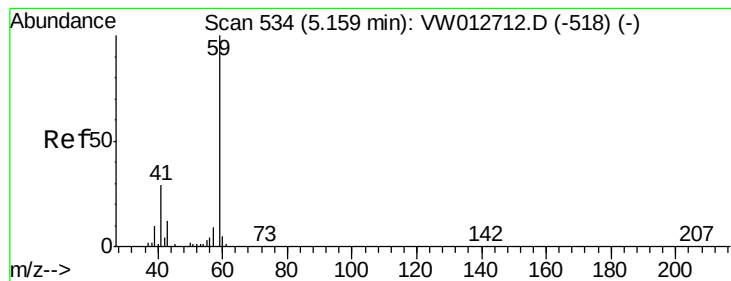
45 116.8 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 1.414 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW012847.D

Acq: 10 Sep 2019 03:13

Instrument :

MSVOA_W

ClientSampleId :

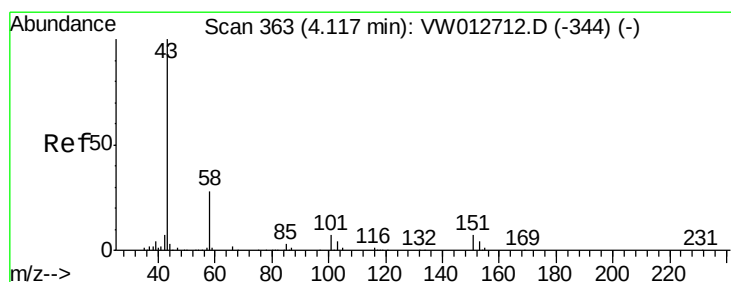
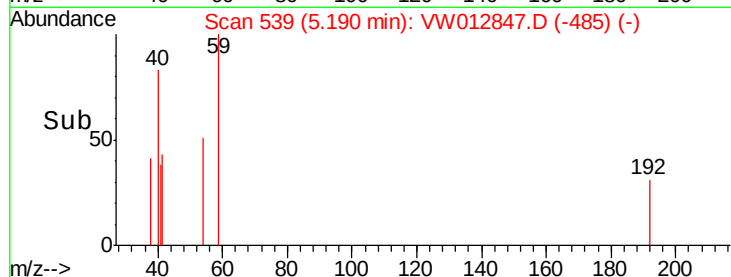
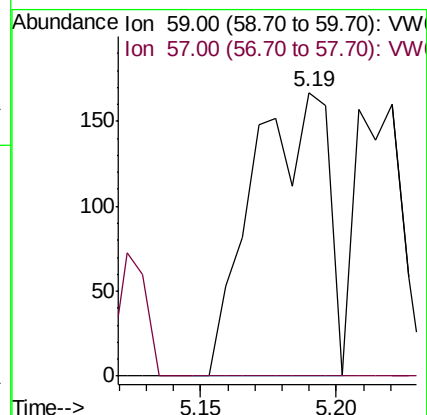
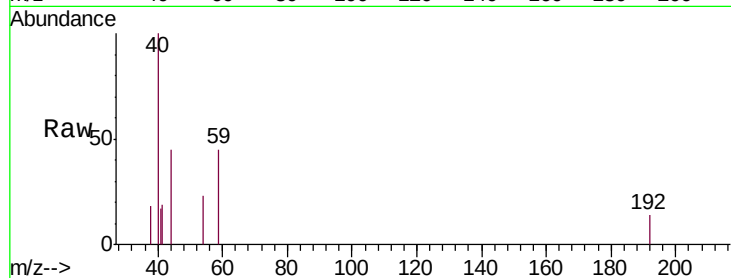
T11-D3-(4)

Tgt Ion: 59 Resp: 319

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 1.463 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012847.D

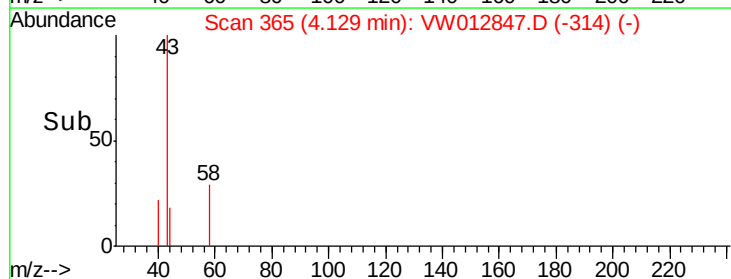
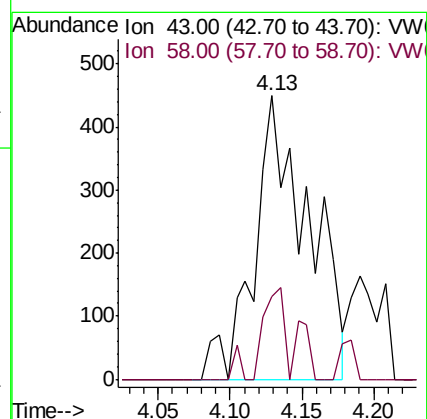
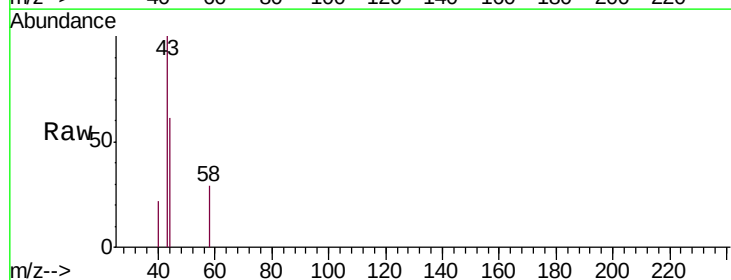
Acq: 10 Sep 2019 03:13

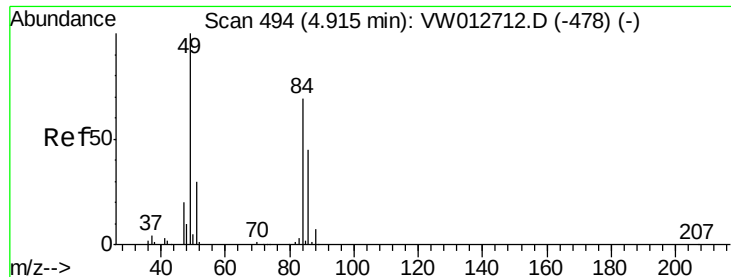
Tgt Ion: 43 Resp: 1176

Ion Ratio Lower Upper

43 100

58 29.2 22.6 33.8

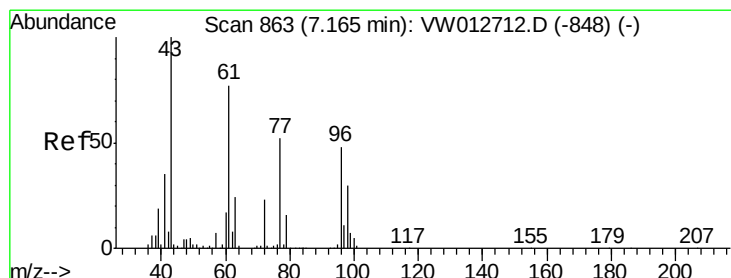
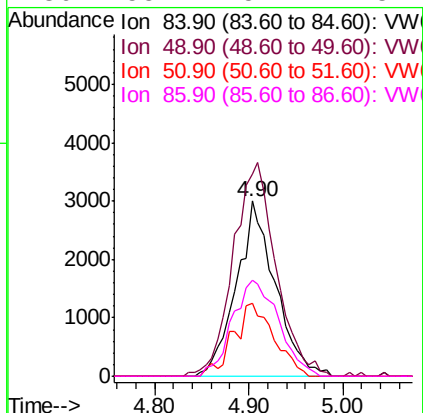
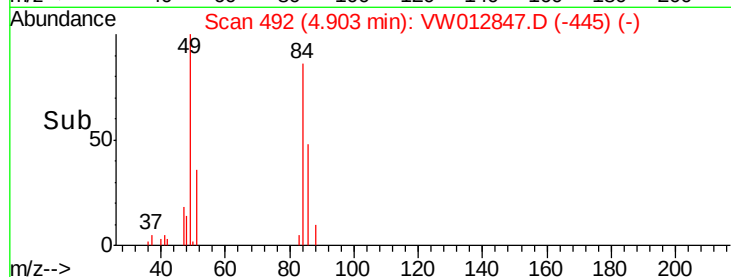
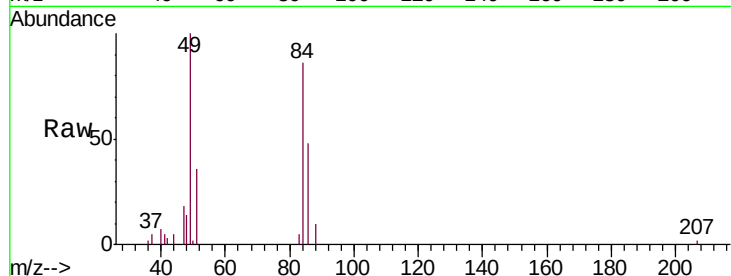




#20
Methylene Chloride
Concen: 3.447 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012847.D
Acq: 10 Sep 2019 03:13

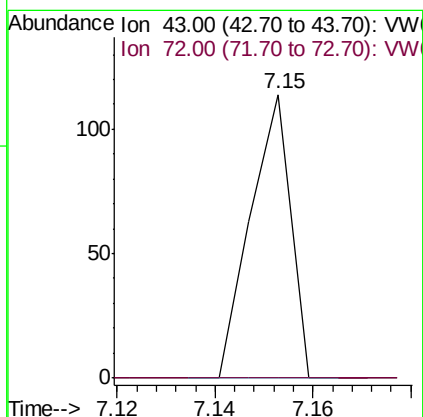
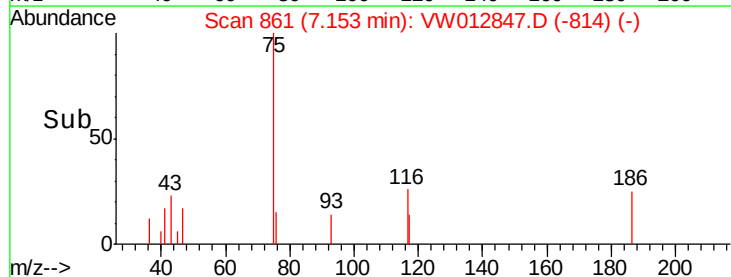
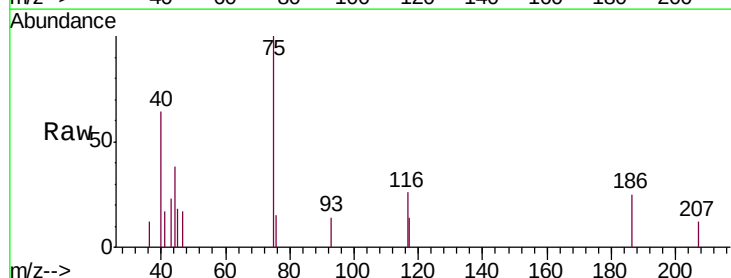
Instrument :
MSVOA_W
ClientSampled :
T11-D3-(4)

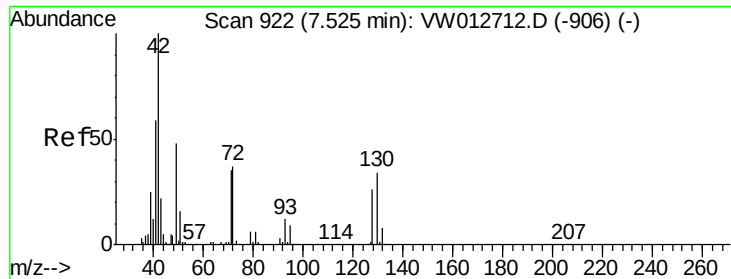
Tgt Ion: 84 Resp: 8667
Ion Ratio Lower Upper
84 100
49 115.7 115.4 173.0
51 41.7 34.9 52.3
86 55.2 52.2 78.4



#25
2-Butanone
Concen: 19.731 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW012847.D
Acq: 10 Sep 2019 03:13

Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#





#29

Tetrahydrofuran

Concen: 8.299 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012847.D

Acq: 10 Sep 2019 03:13

Instrument :

MSVOA_W

ClientSampleId :

T11-D3-(4)

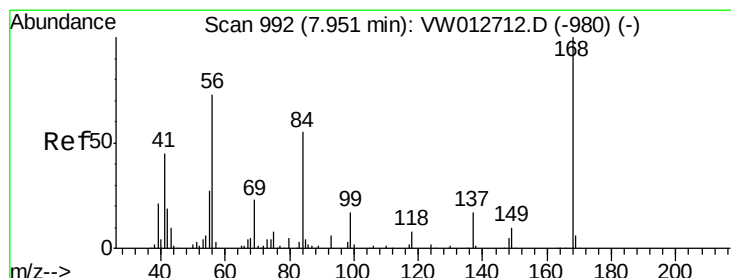
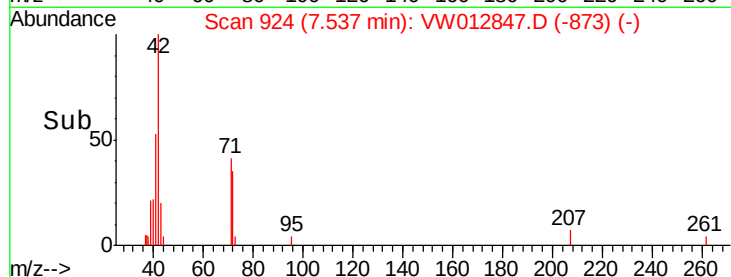
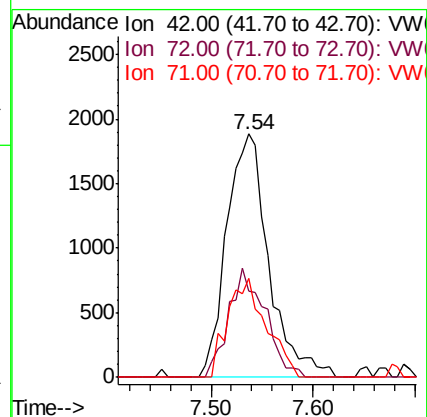
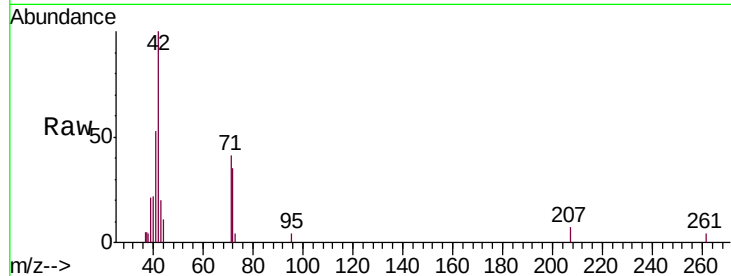
Tgt Ion: 42 Resp: 5386

Ion Ratio Lower Upper

42 100

72 38.8 28.4 42.6

71 37.3 27.1 40.7



#31

Cyclohexane

Concen: 1.386 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012847.D

Acq: 10 Sep 2019 03:13

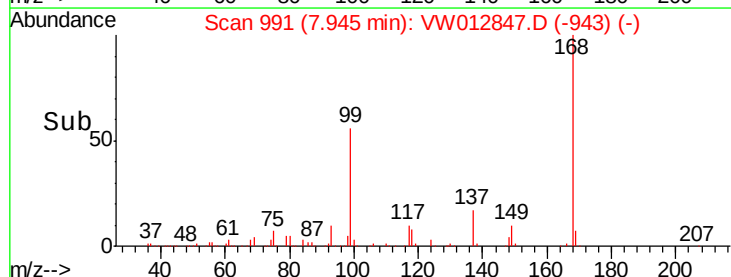
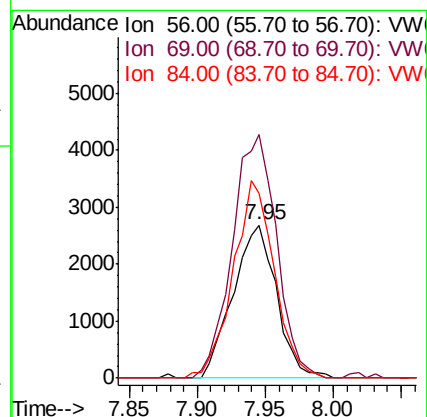
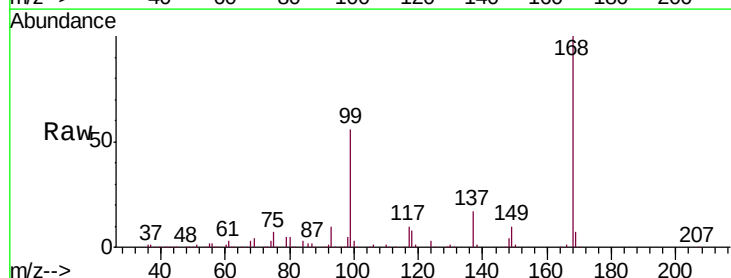
Tgt Ion: 56 Resp: 6004

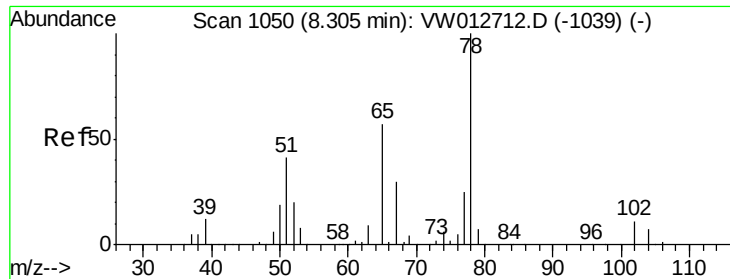
Ion Ratio Lower Upper

56 100

69 158.9 25.7 38.5#

84 120.3 60.4 90.6#

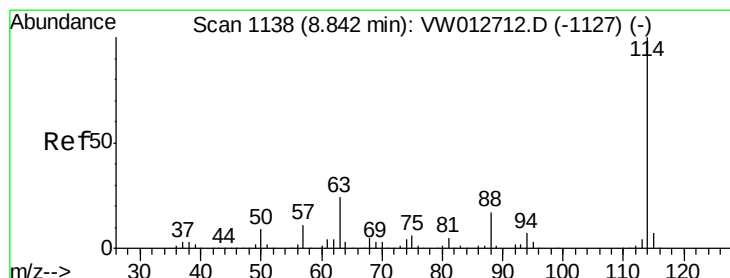
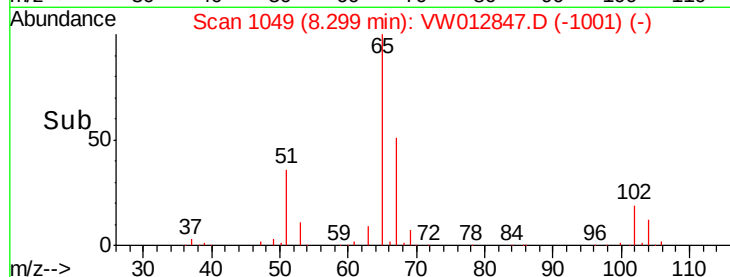
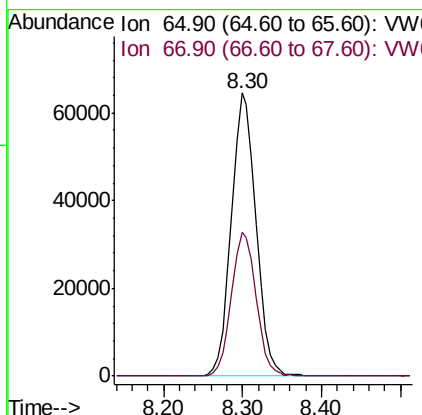
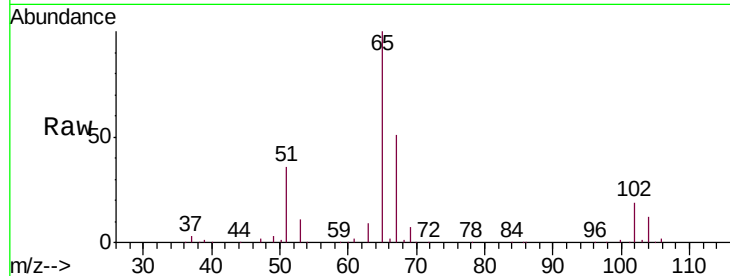




#33
 1,2-Dichloroethane-d4
 Concen: 47.693 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012847.D
 Acq: 10 Sep 2019 03:13

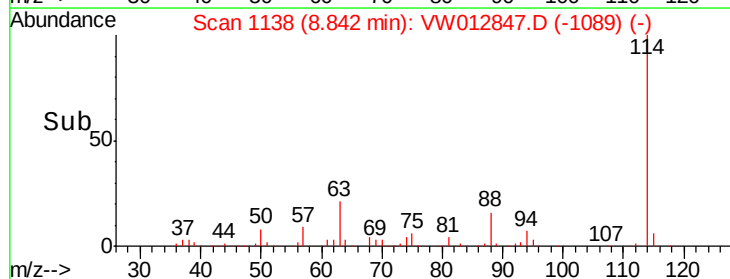
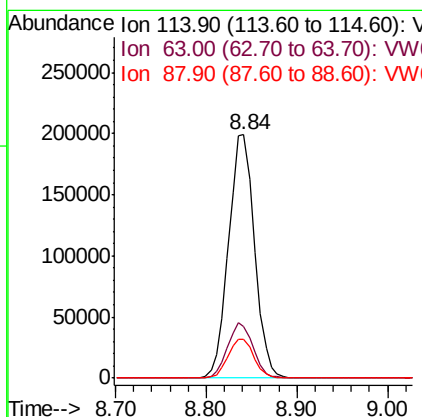
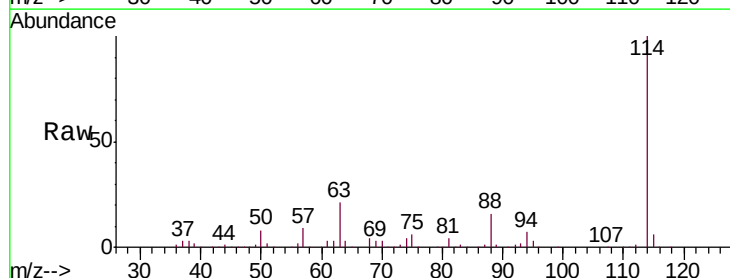
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-D3-(4)

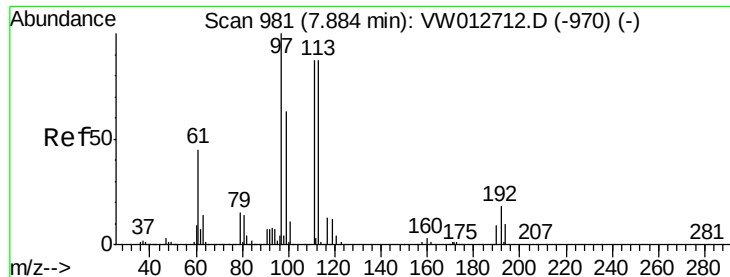
Tgt Ion: 65 Resp: 140588
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012847.D
 Acq: 10 Sep 2019 03:13

Tgt Ion: 114 Resp: 396328
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 47.2
 88 16.0 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.898 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012847.D

Acq: 10 Sep 2019 03:13

Instrument :

MSVOA_W

ClientSampleId :

T11-D3-(4)

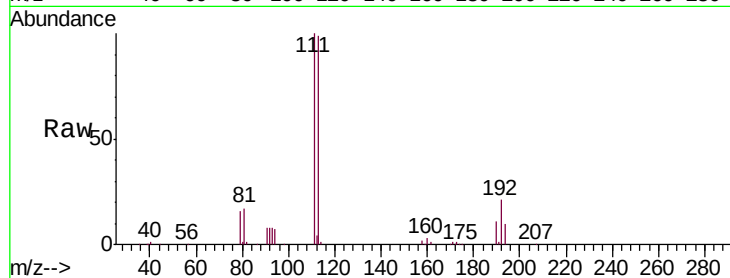
Tgt Ion:113 Resp: 115218

Ion Ratio Lower Upper

113 100

111 103.5 80.2 120.4

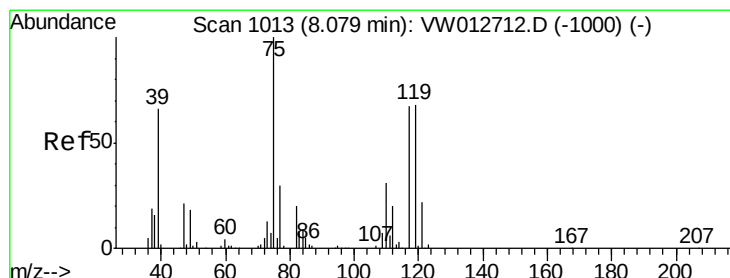
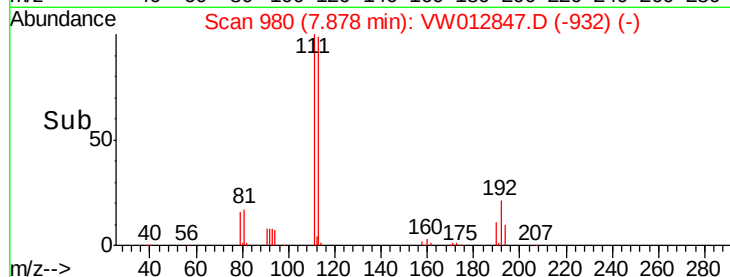
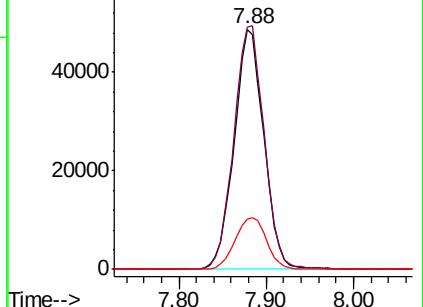
192 22.8 17.3 25.9



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: 5.361 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012847.D

Acq: 10 Sep 2019 03:13

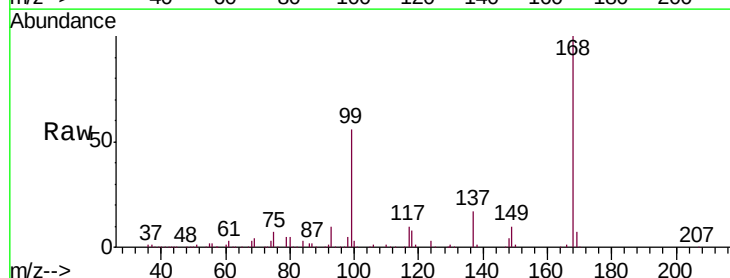
Tgt Ion: 75 Resp: 18880

Ion Ratio Lower Upper

75 100

110 10.3 15.9 47.7#

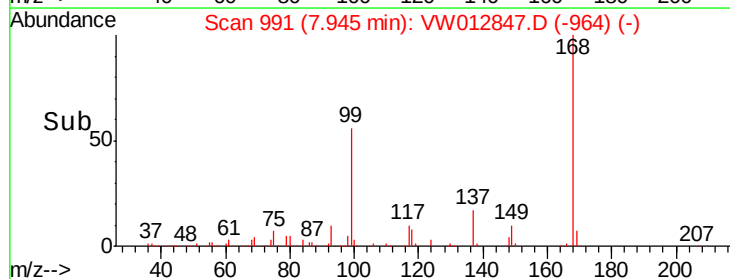
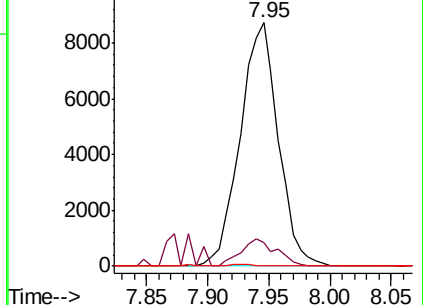
77 0.3 25.0 37.4#

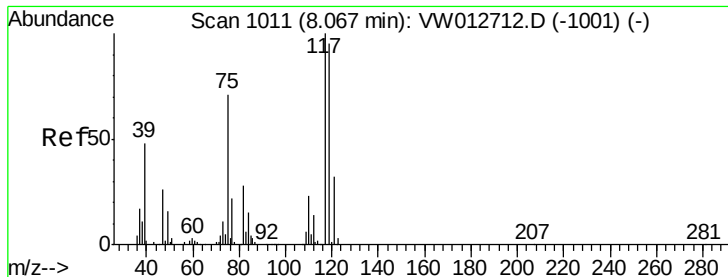


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.100 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012847.D

Acq: 10 Sep 2019 03:13

Instrument :

MSVOA_W

ClientSampled :

T11-D3-(4)

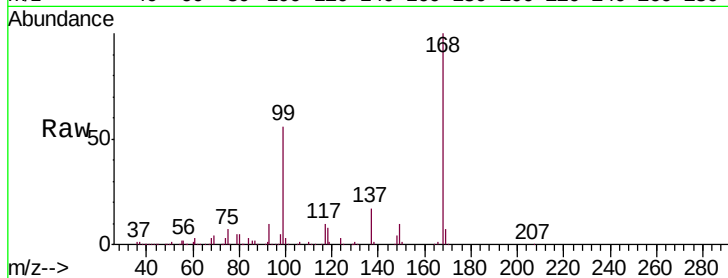
Tgt Ion:117 Resp: 24645

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

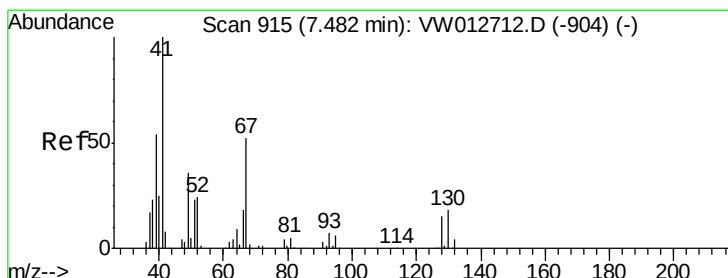
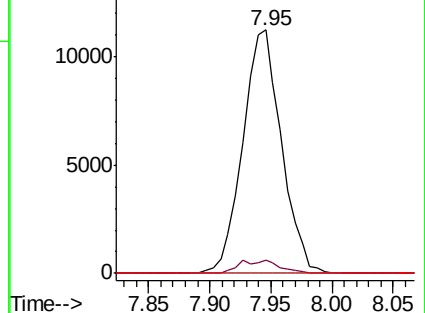
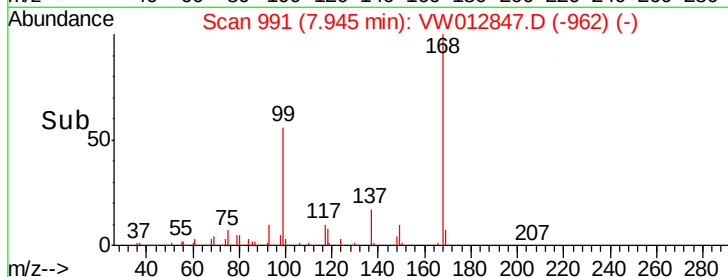
121 0.0 25.4 38.2#



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: 5.666 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012847.D

Acq: 10 Sep 2019 03:13

Tgt Ion: 41 Resp: 3020

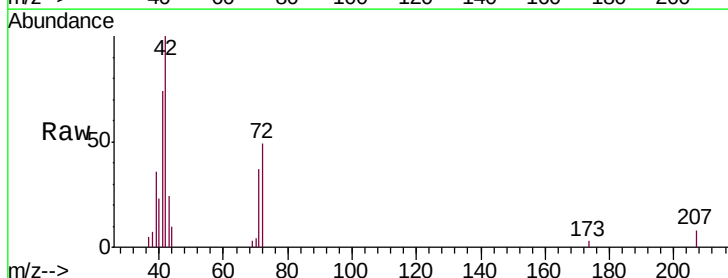
Ion Ratio Lower Upper

41 100

39 57.5 47.5 71.3

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

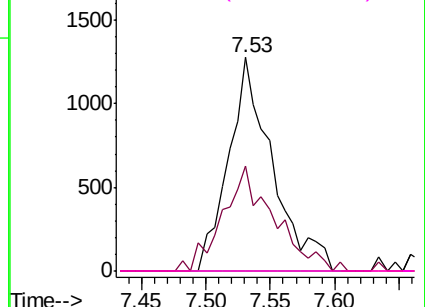
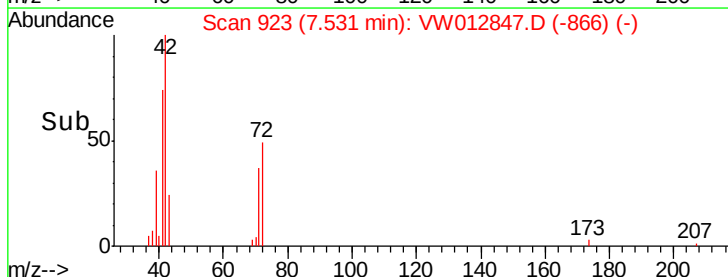


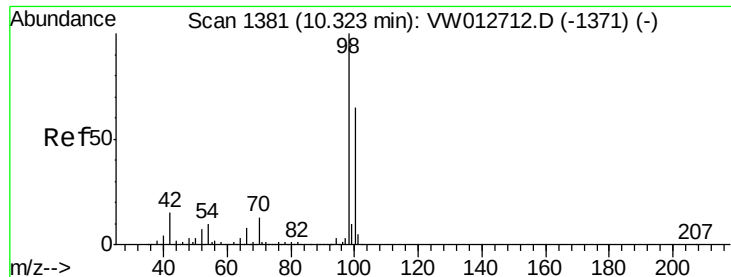
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.976 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012847.D

Acq: 10 Sep 2019 03:13

Instrument :

MSVOA_W

ClientSampleId :

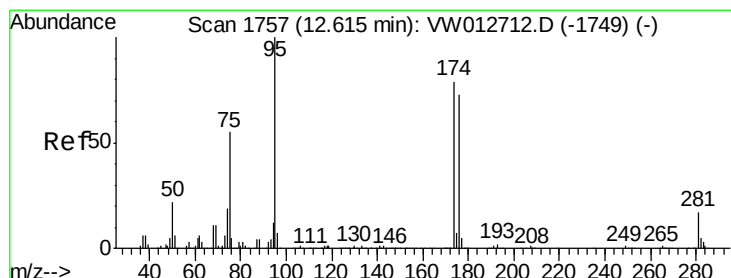
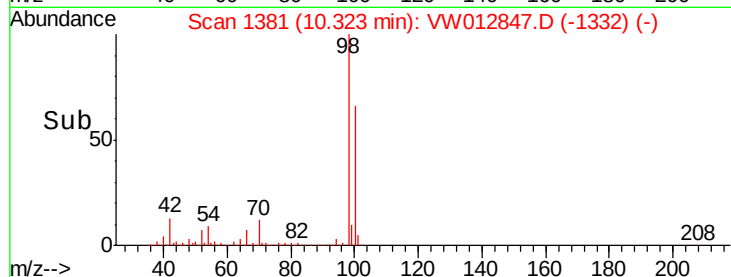
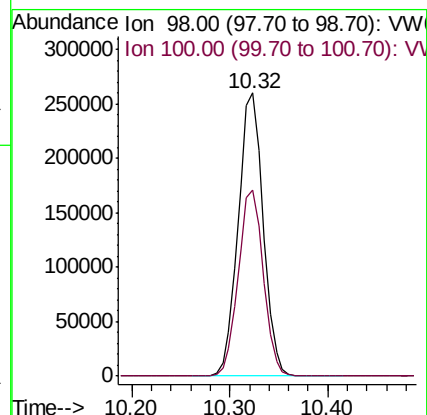
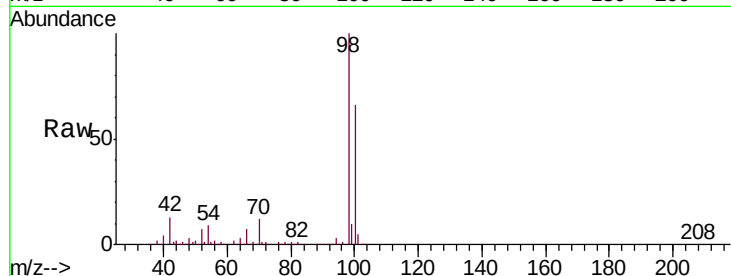
T11-D3-(4)

Tgt Ion: 98 Resp: 461343

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 36.149 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012847.D

Acq: 10 Sep 2019 03:13

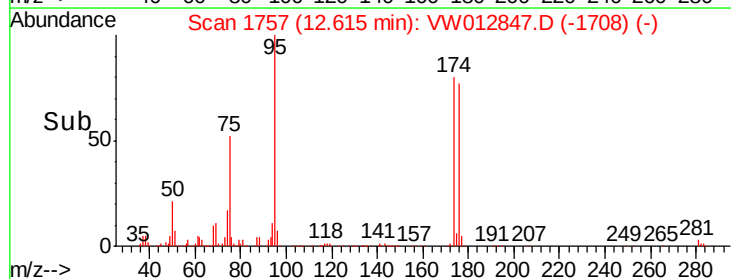
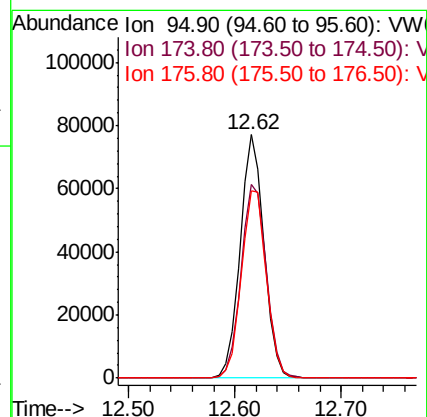
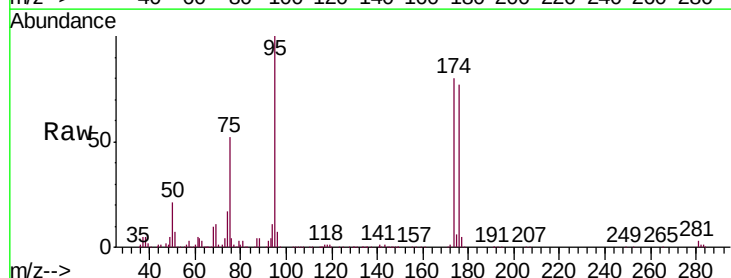
Tgt Ion: 95 Resp: 121146

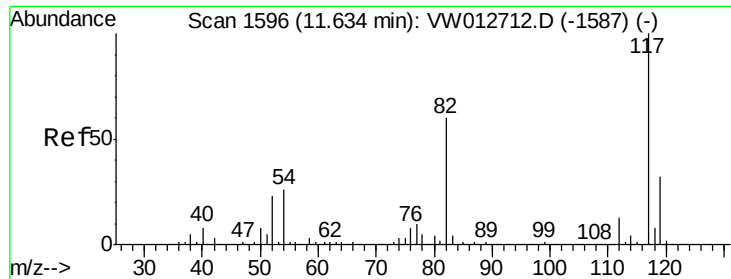
Ion Ratio Lower Upper

95 100

174 84.3 0.0 161.0

176 80.9 0.0 156.4

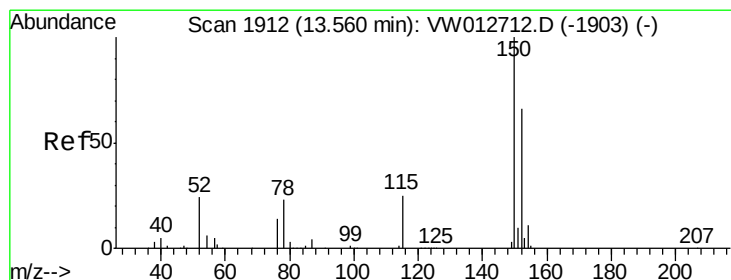
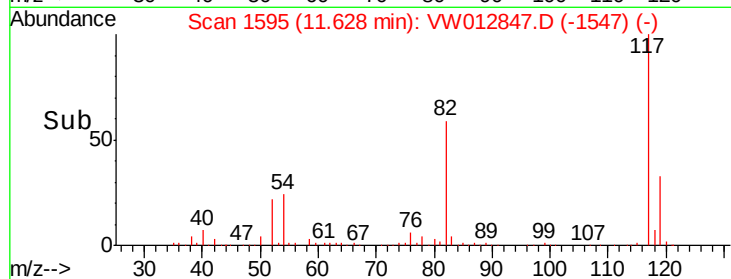
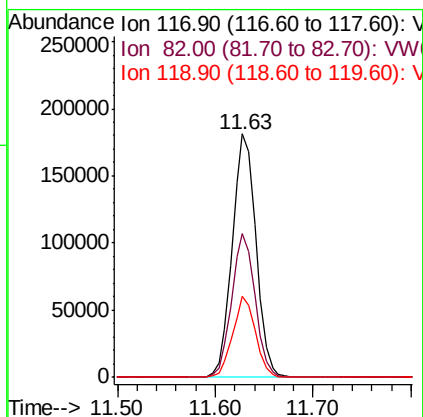
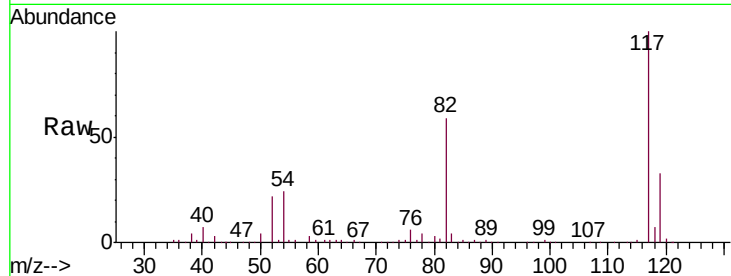




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012847.D
Acq: 10 Sep 2019 03:13

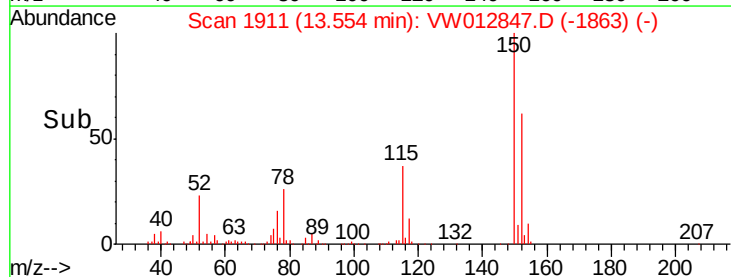
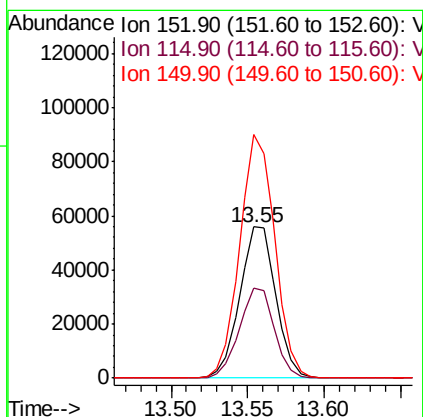
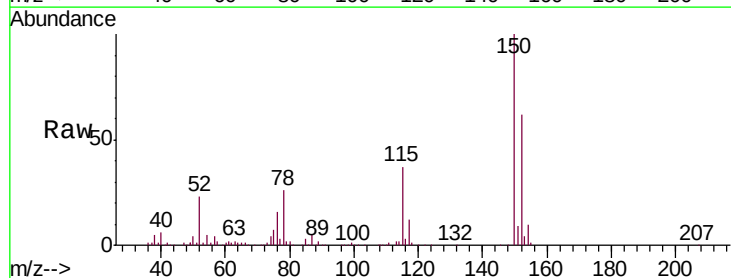
Instrument :
MSVOA_W
ClientSampleId :
T11-D3-(4)

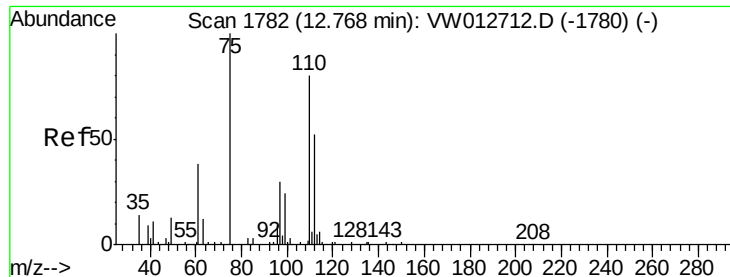
Tgt Ion:117 Resp: 305199
Ion Ratio Lower Upper
117 100
82 59.1 48.2 72.4
119 33.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012847.D
Acq: 10 Sep 2019 03:13

Tgt Ion:152 Resp: 90914
Ion Ratio Lower Upper
152 100
115 58.3 30.0 90.1
150 158.0 0.0 349.0

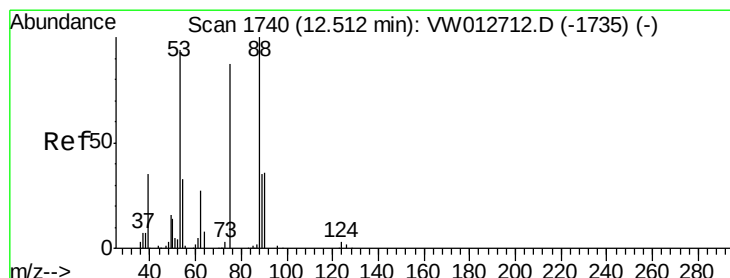
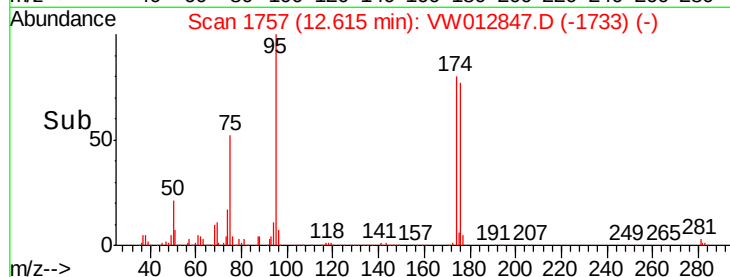
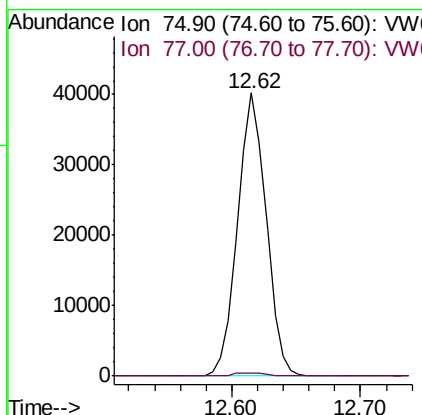
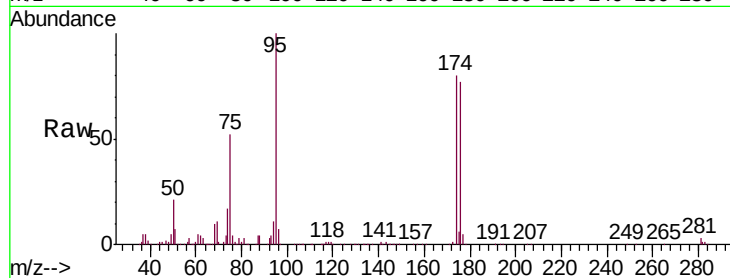




#76
 1,2,3-Trichloropropane
 Concen: 66.735 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012847.D
 Acq: 10 Sep 2019 03:13

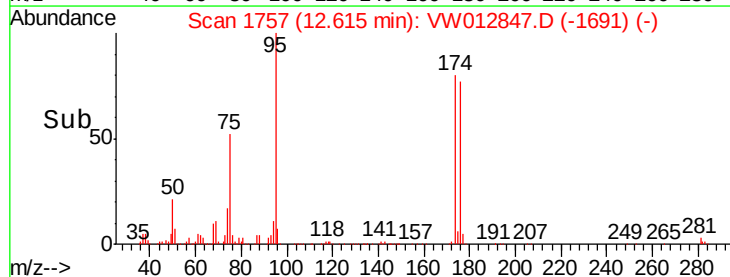
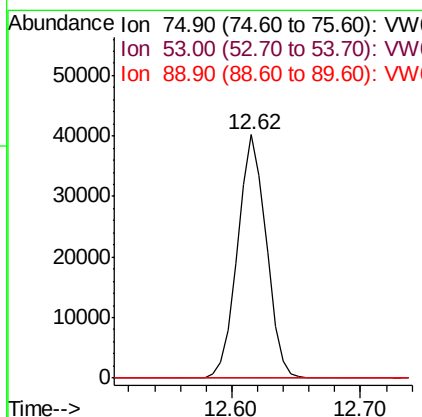
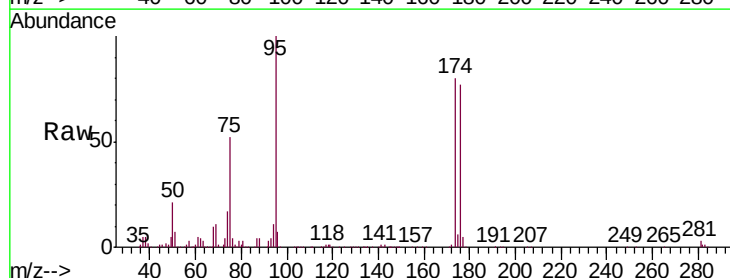
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-D3-(4)

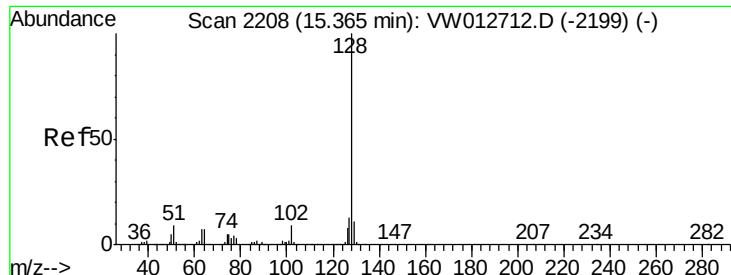
Tgt Ion: 75 Resp: 62039
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.149 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012847.D
 Acq: 10 Sep 2019 03:13

Tgt Ion: 75 Resp: 62039
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 35.5 53.3#





#95
Naphthalene
Concen: 4.469 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012847.D
Acq: 10 Sep 2019 03:13

Instrument :
MSVOA_W
ClientSampleId :
T11-D3-(4)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

