

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
 Data File : VW012923.D
 Acq On : 11 Sep 2019 18:29
 Operator : SY/VA
 Sample : K4680-07
 Misc : 6.62G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-4-(1.5)

Quant Time: Sep 12 07:54:04 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	269423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	403073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144275	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	140542	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
35) Dibromofluoromethane	7.88	113	117455	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.32	98	475180	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.62	95	150794	44.24	ug/l	0.00
Spiked Amount			Recovery	=	88.48%	

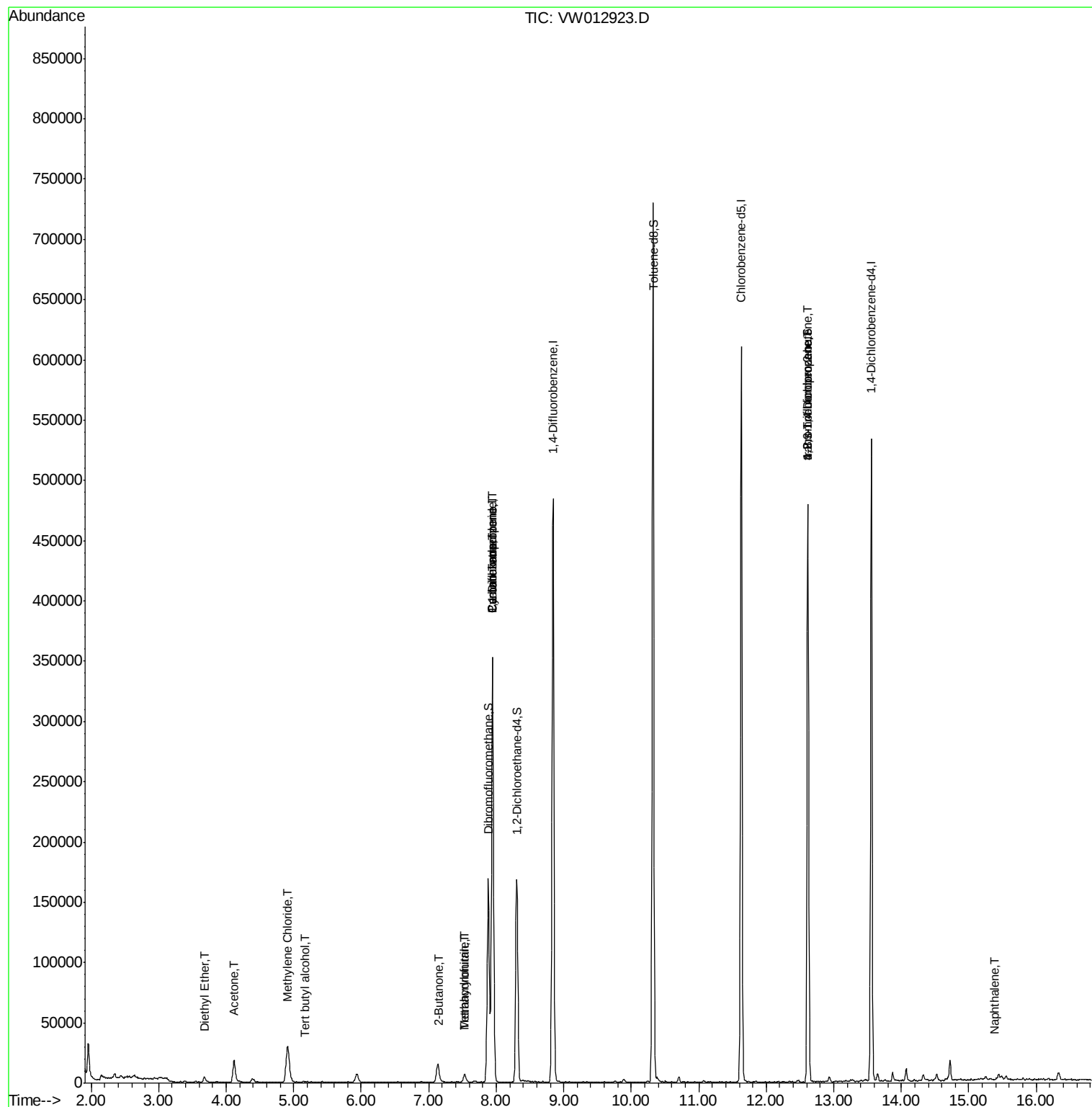
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2371	1.878	ug/l	89
11) Tert butyl alcohol	5.17	59	315	1.368	ug/l #	72
16) Acetone	4.12	43	31172	37.983	ug/l #	89
20) Methylene Chloride	4.91	84	24084	9.380	ug/l	89
25) 2-Butanone	7.16	43	102	19.758	ug/l #	59
29) Tetrahydrofuran	7.53	42	6009	9.067	ug/l	97
31) Cyclohexane	7.94	56	5789	1.308	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20781	5.802	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24755	7.012	ug/l #	17
41) Methacrylonitrile	7.53	41	3666	6.020	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	76919	52.139	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76919	110.277	ug/l #	6
95) Naphthalene	15.38	128	166	4.464	ug/l #	69

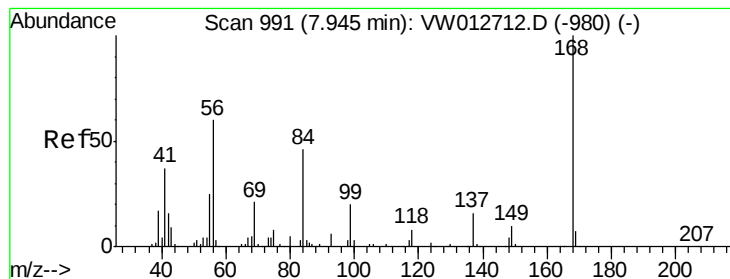
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
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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: VW012923.D

Acq: 11 Sep 2019 18:29

Instrument :

MSVOA_W

ClientSampled :

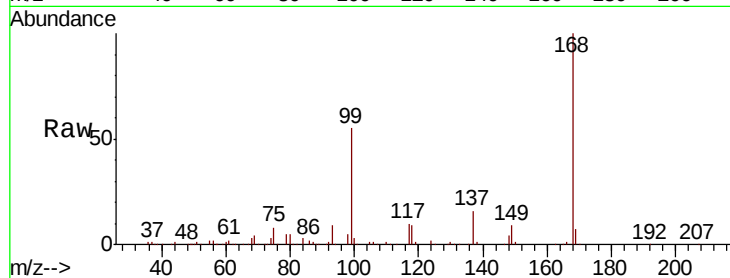
T1-4-(1.5)

Tgt Ion:168 Resp: 269423

Ion Ratio Lower Upper

168 100

99 55.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

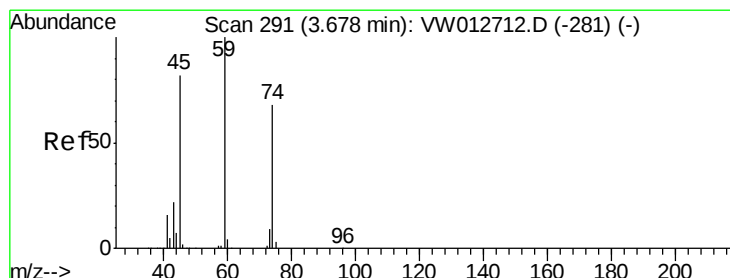
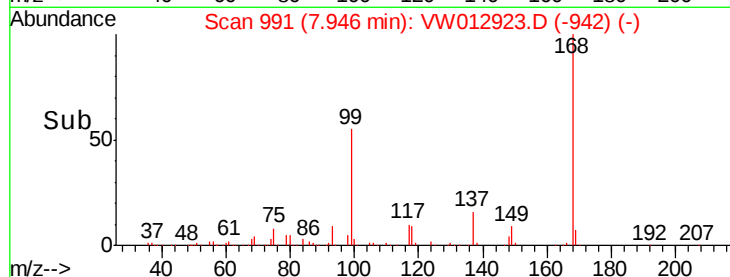
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.878 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012923.D

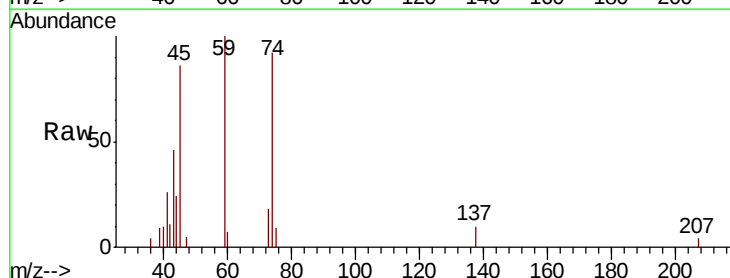
Acq: 11 Sep 2019 18:29

Tgt Ion: 74 Resp: 2371

Ion Ratio Lower Upper

74 100

45 130.1 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

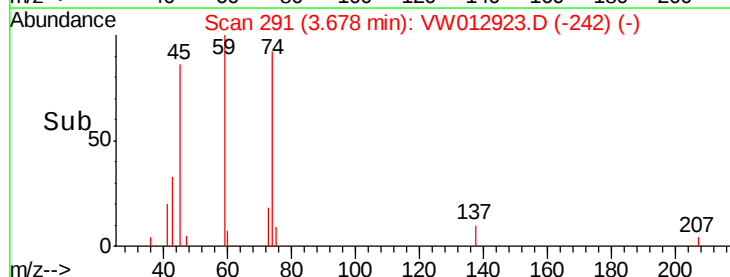
3.68

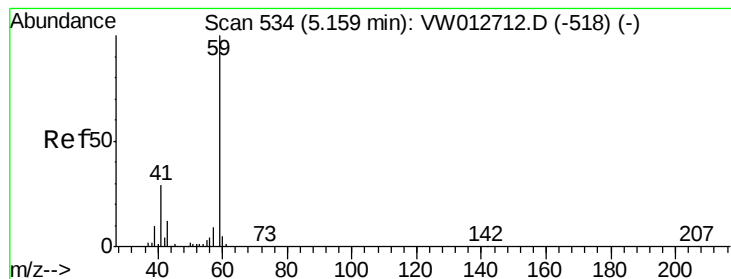
1000

500

0

Time--> 3.60 3.65 3.70 3.75





#11

Tert butyl alcohol

Concen: 1.368 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW012923.D

Acq: 11 Sep 2019 18:29

Instrument :

MSVOA_W

ClientSampled :

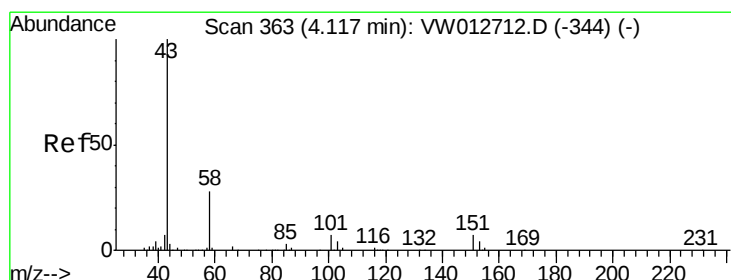
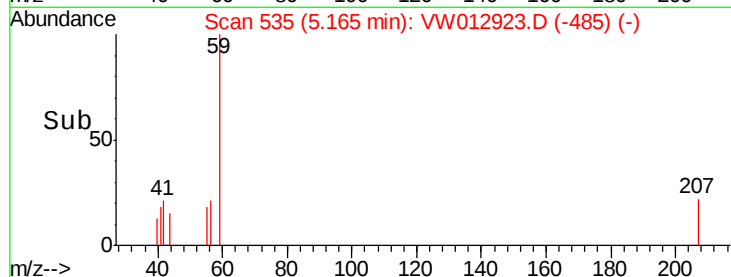
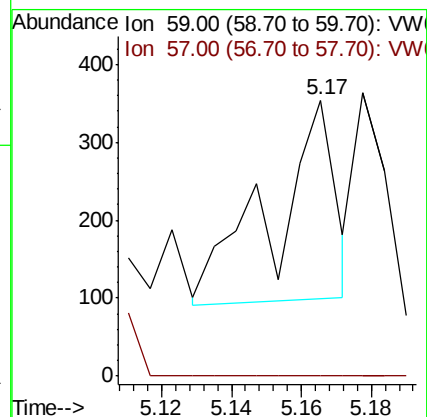
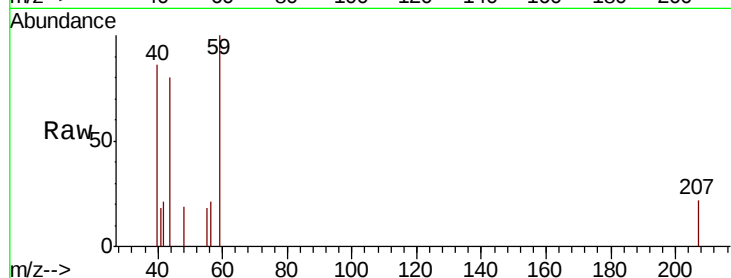
T1-4-(1.5)

Tgt Ion: 59 Resp: 315

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 37.983 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012923.D

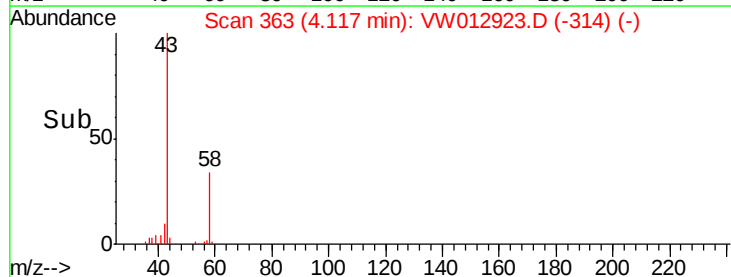
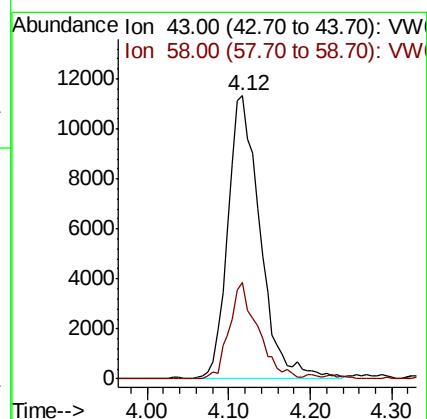
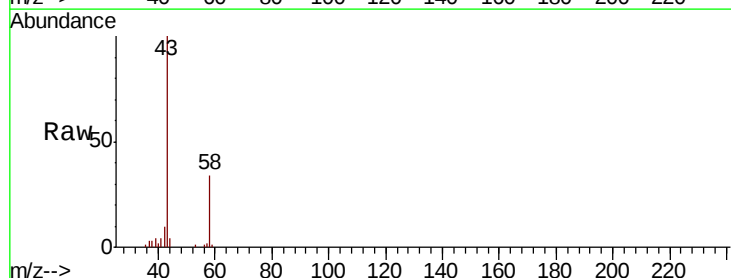
Acq: 11 Sep 2019 18:29

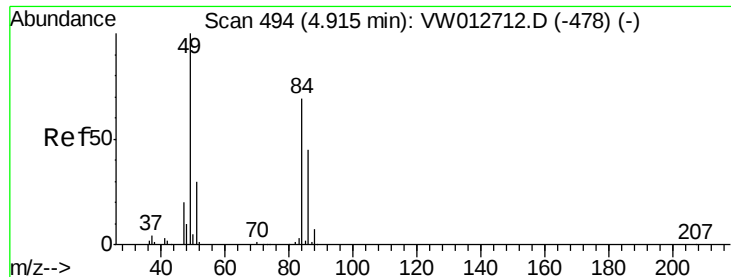
Tgt Ion: 43 Resp: 31172

Ion Ratio Lower Upper

43 100

58 34.1 22.6 33.8#

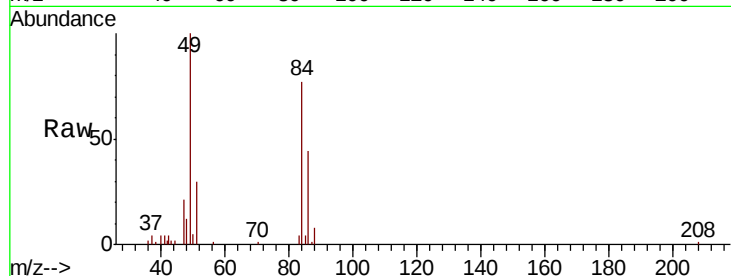




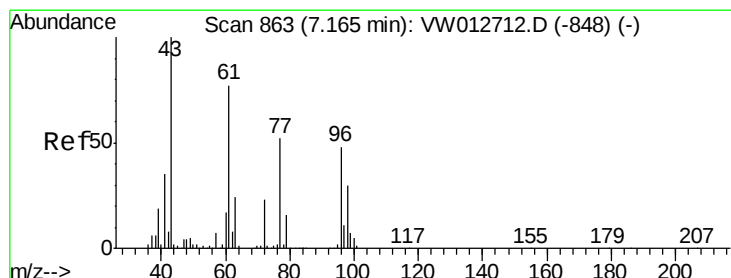
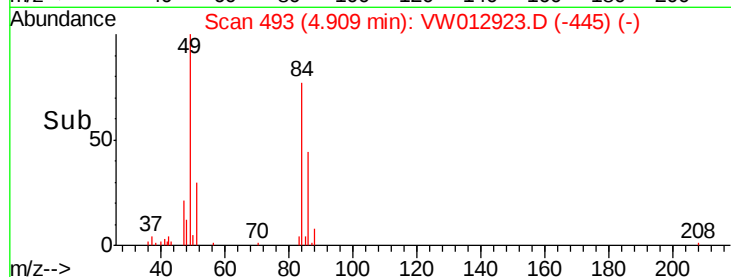
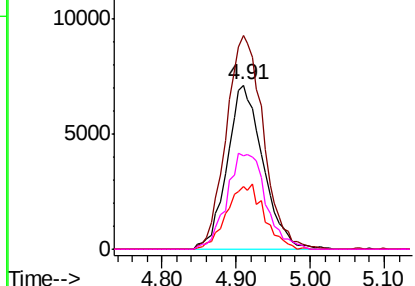
#20
Methylene Chloride
Concen: 9.380 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012923.D
Acq: 11 Sep 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
T1-4-(1.5)

Tgt Ion: 84 Resp: 24084
Ion Ratio Lower Upper
84 100
49 129.9 115.4 173.0
51 38.3 34.9 52.3
86 56.7 52.2 78.4

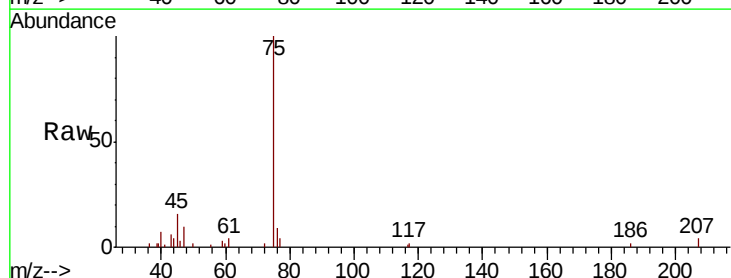


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

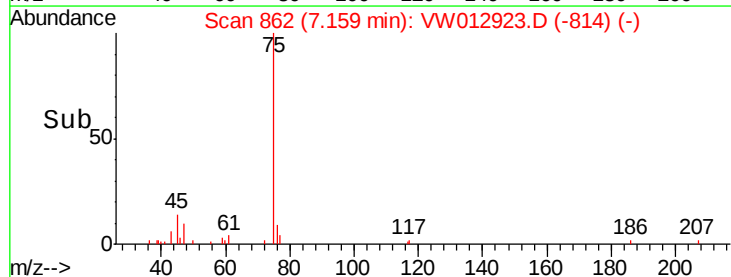
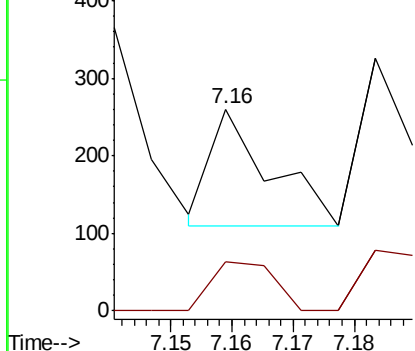


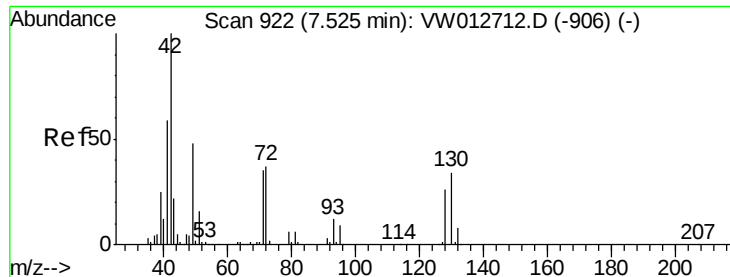
#25
2-Butanone
Concen: 19.758 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012923.D
Acq: 11 Sep 2019 18:29

Tgt Ion: 43 Resp: 102
Ion Ratio Lower Upper
43 100
72 42.4 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

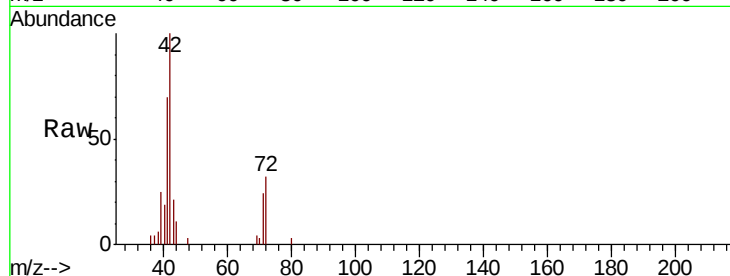




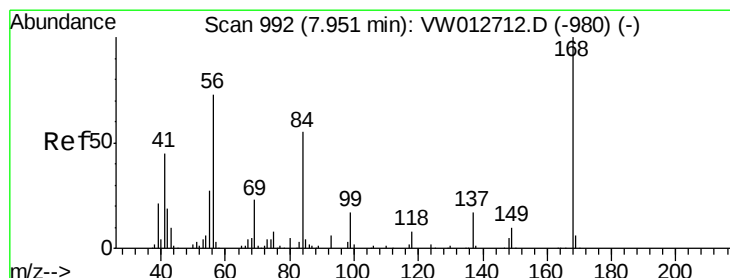
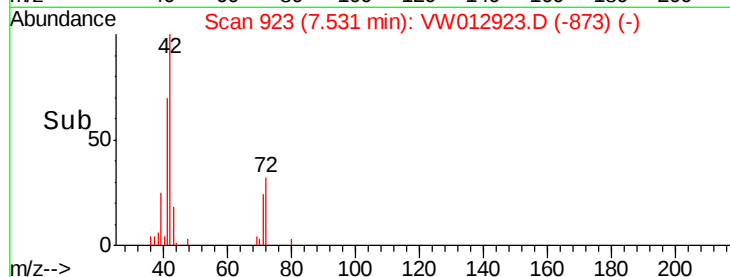
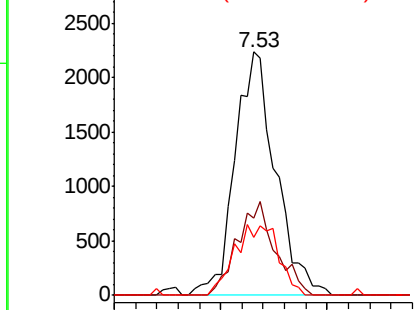
#29
Tetrahydrofuran
Concen: 9.067 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012923.D
Acq: 11 Sep 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
T1-4-(1.5)

Tgt Ion: 42 Resp: 6009
Ion Ratio Lower Upper
42 100
72 35.9 28.4 42.6
71 31.3 27.1 40.7

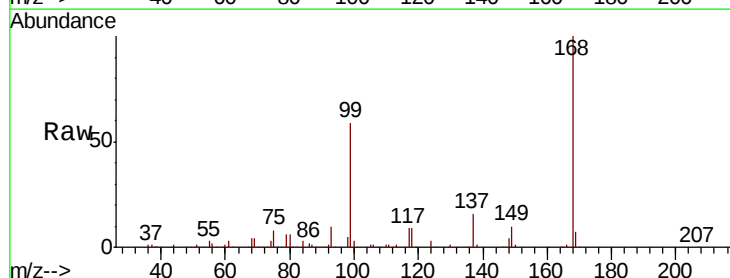


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

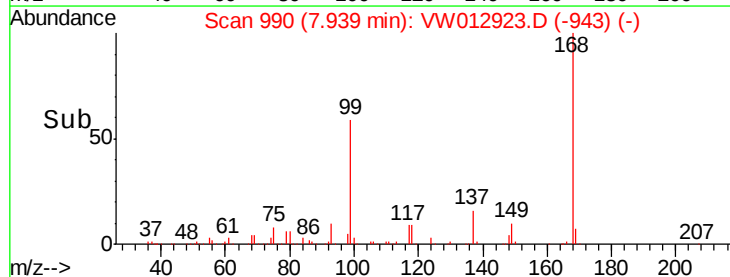
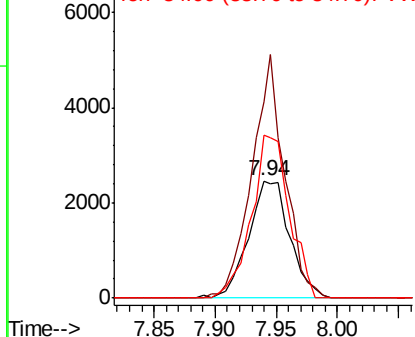


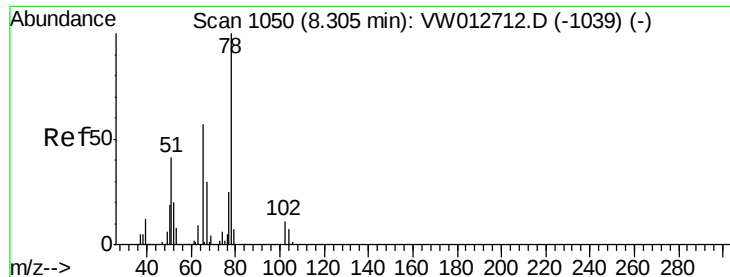
#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012923.D
Acq: 11 Sep 2019 18:29

Tgt Ion: 56 Resp: 5789
Ion Ratio Lower Upper
56 100
69 167.7 25.7 38.5#
84 138.4 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: 46.686 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012923.D

Acq: 11 Sep 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

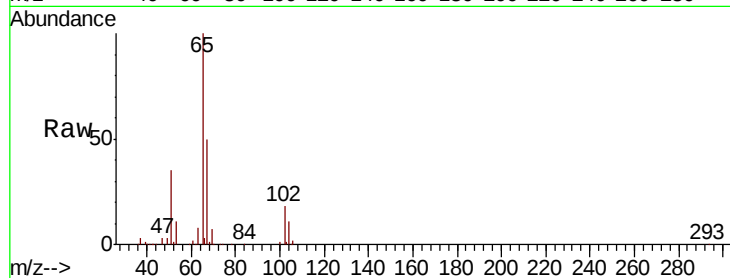
T1-4-(1.5)

Tgt Ion: 65 Resp: 140542

Ion Ratio Lower Upper

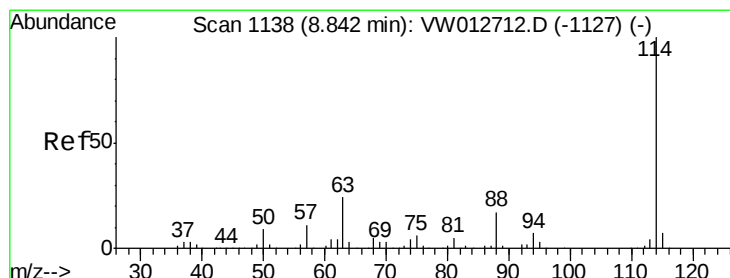
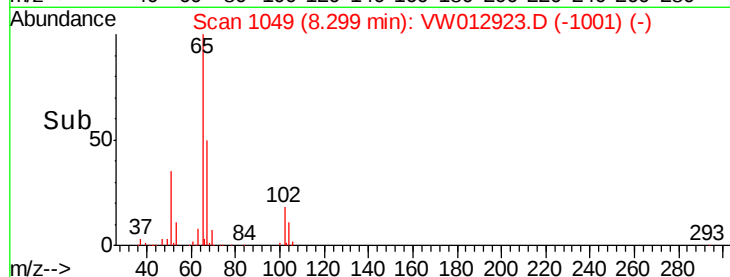
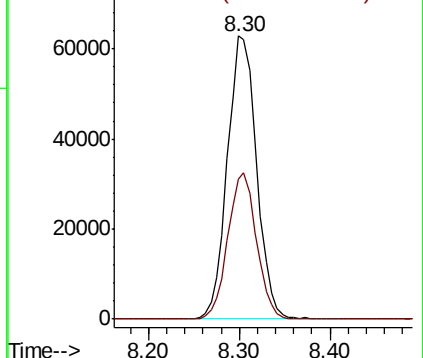
65 100

67 50.6 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012923.D

Acq: 11 Sep 2019 18:29

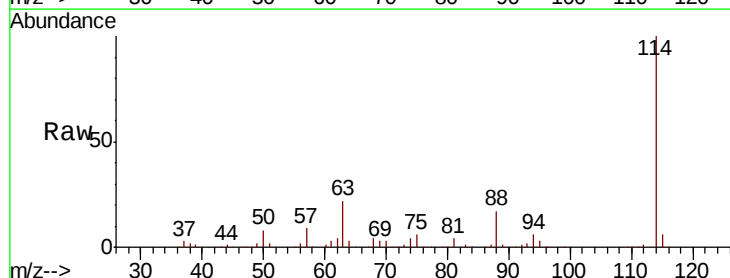
Tgt Ion: 114 Resp: 403073

Ion Ratio Lower Upper

114 100

63 21.9 0.0 47.2

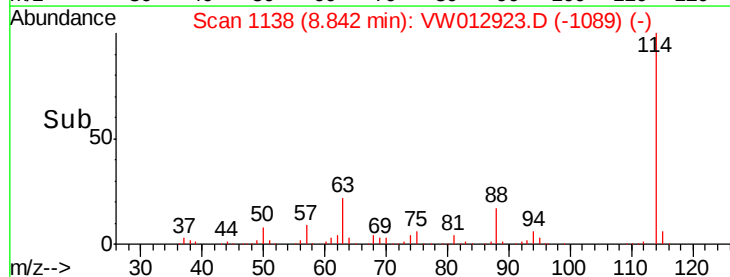
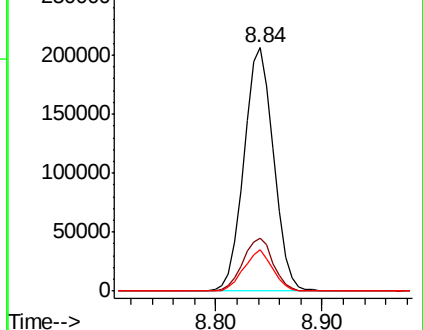
88 16.8 0.0 34.0

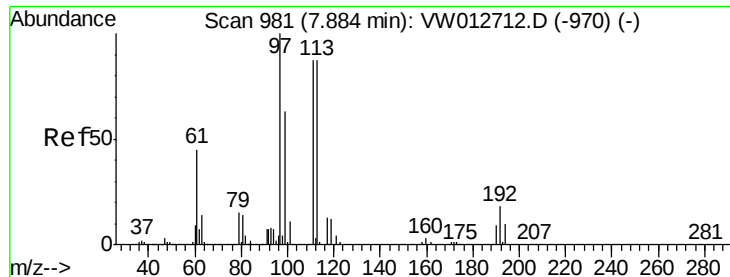


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

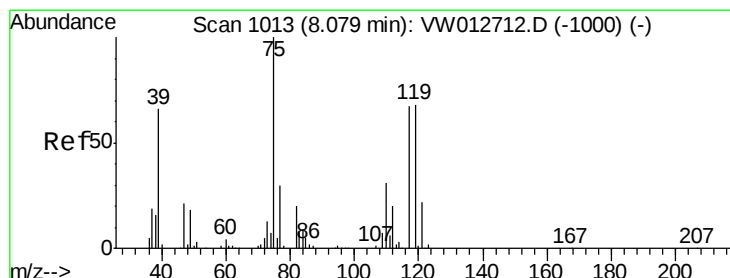
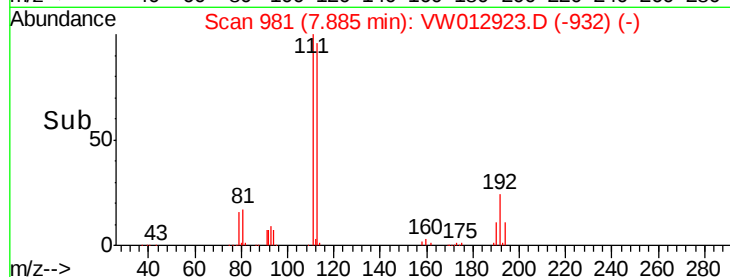
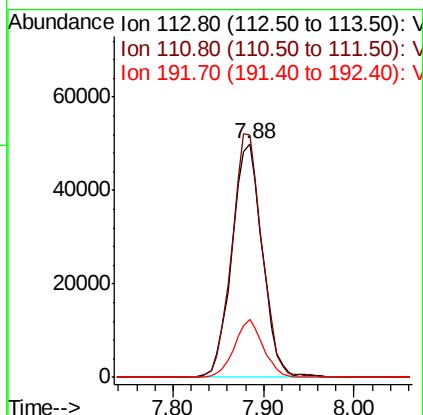
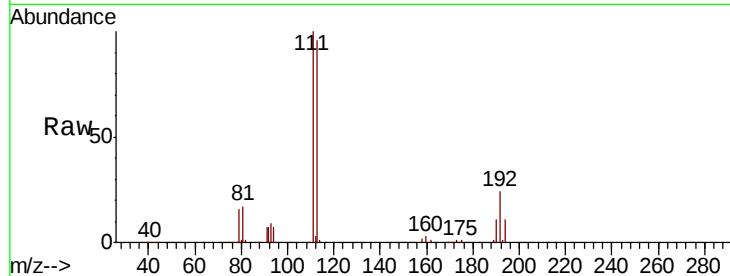




#35
 Dibromofluoromethane
 Concen: 49.013 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012923.D
 Acq: 11 Sep 2019 18:29

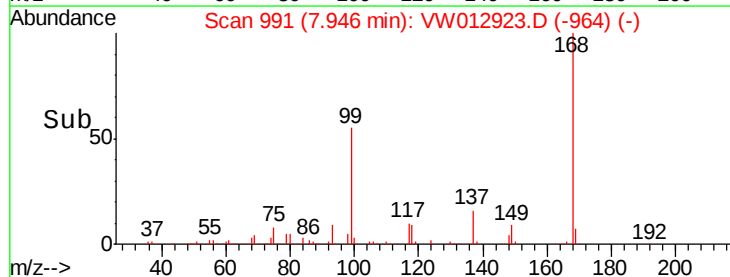
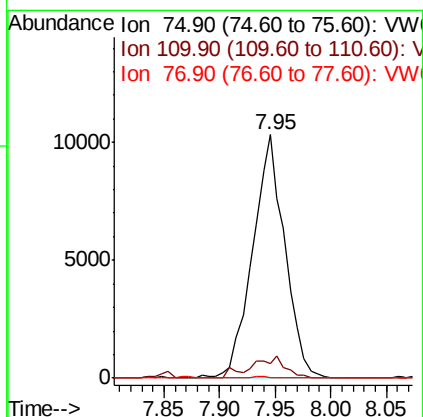
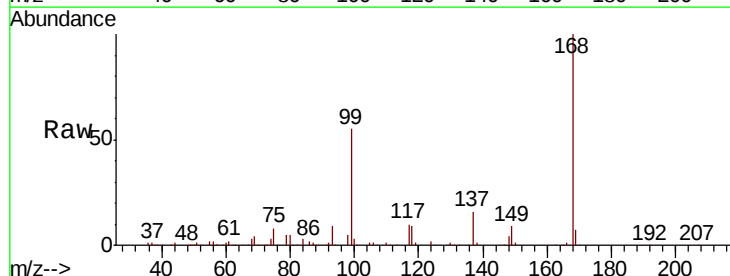
Instrument :
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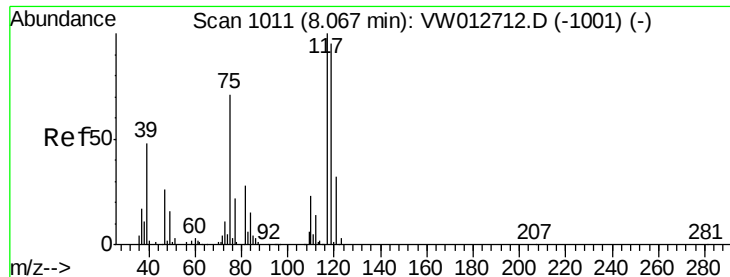
Tgt Ion: 113 Resp: 117455
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.2 120.4
 192 23.2 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.802 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012923.D
 Acq: 11 Sep 2019 18:29

Tgt Ion: 75 Resp: 20781
 Ion Ratio Lower Upper
 75 100
 110 9.6 15.9 47.7#
 77 0.3 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.012 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012923.D

Acq: 11 Sep 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

T1-4-(1.5)

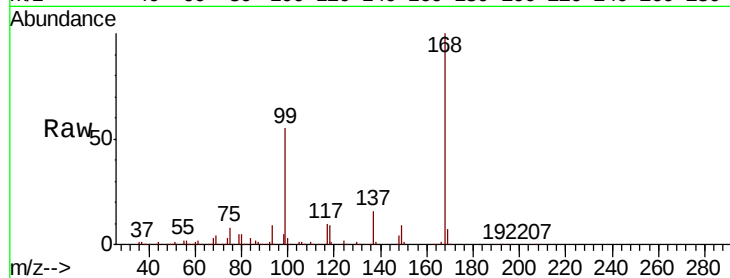
Tgt Ion:117 Resp: 24755

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

121 0.0 25.4 38.2#

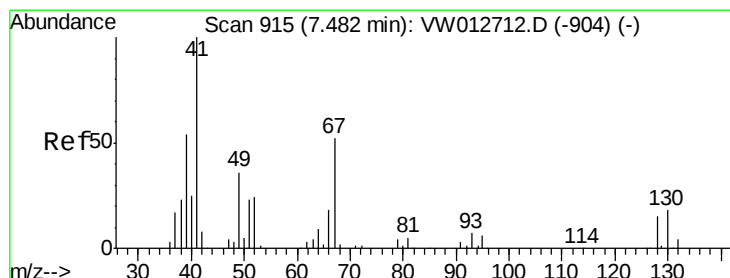
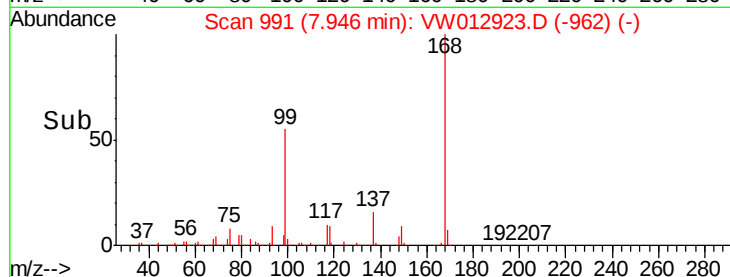
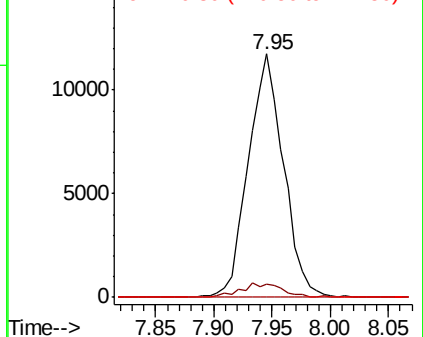


Abundance

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: 6.020 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012923.D

Acq: 11 Sep 2019 18:29

Tgt Ion: 41 Resp: 3666

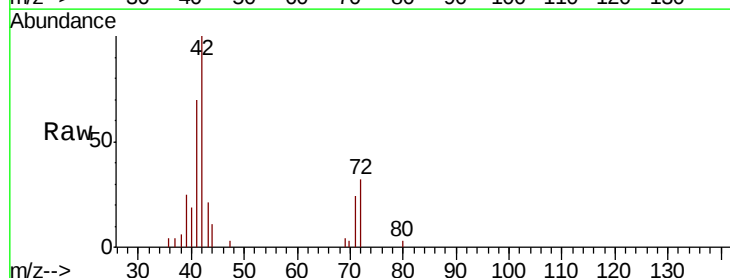
Ion Ratio Lower Upper

41 100

39 46.6 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#



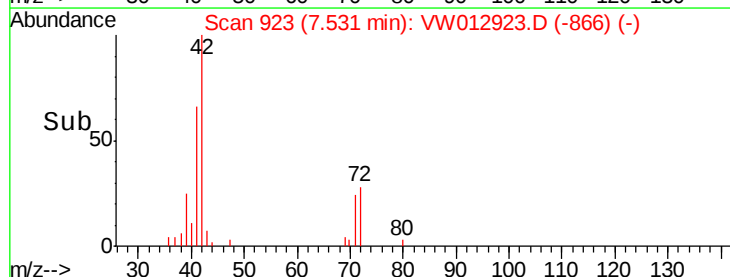
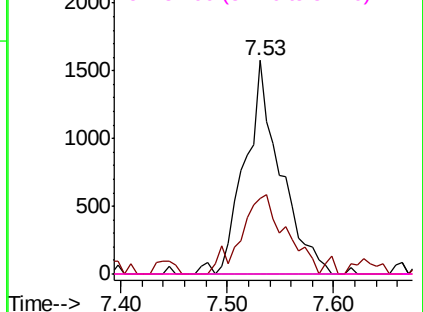
Abundance

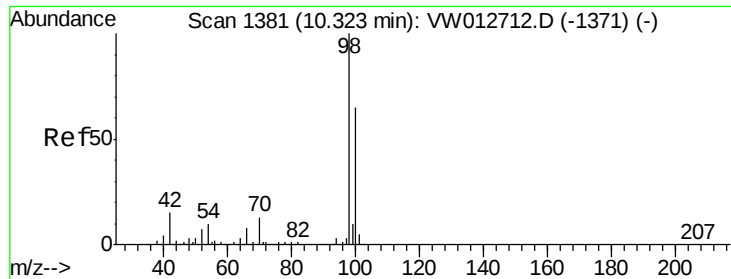
Ion 41.00 (40.70 to 41.70): VW

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: 50.613 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012923.D

Acq: 11 Sep 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

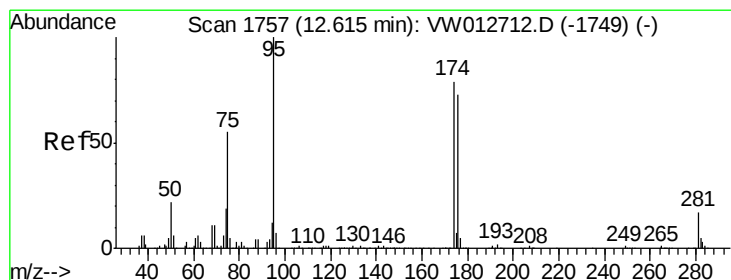
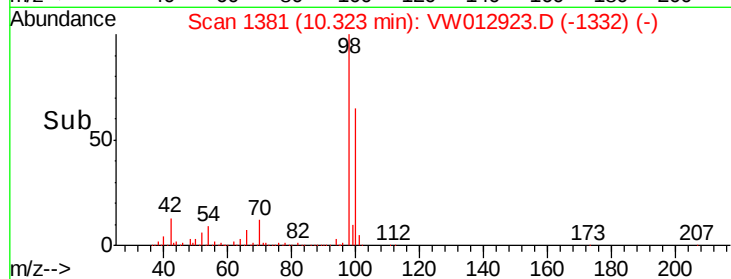
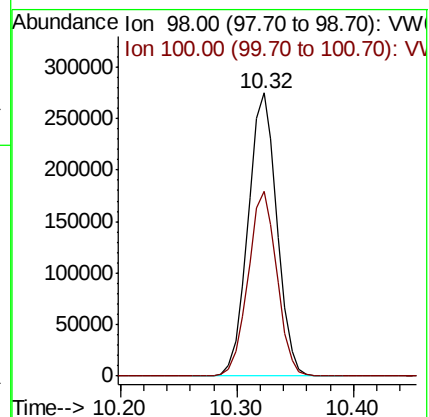
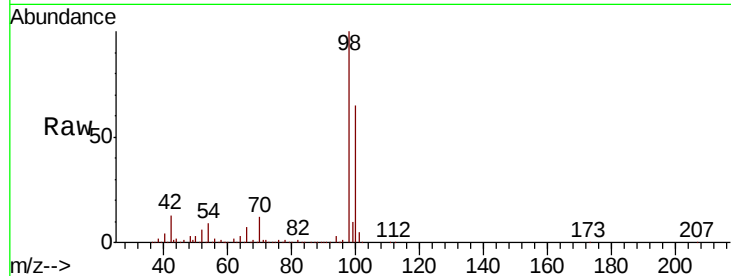
T1-4-(1.5)

Tgt Ion: 98 Resp: 475180

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 44.243 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012923.D

Acq: 11 Sep 2019 18:29

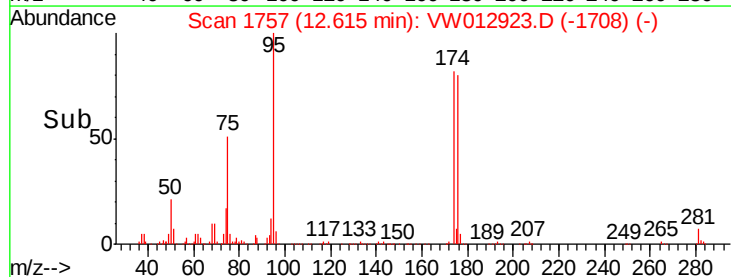
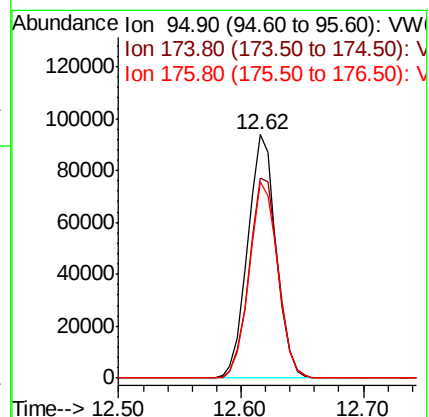
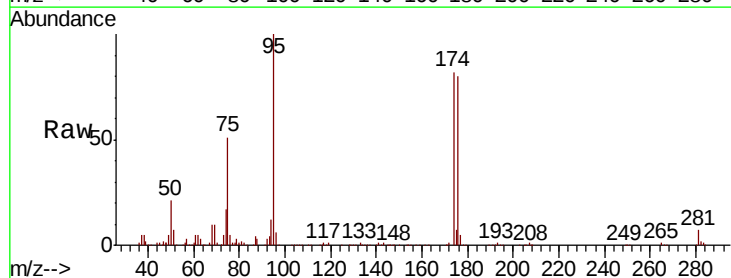
Tgt Ion: 95 Resp: 150794

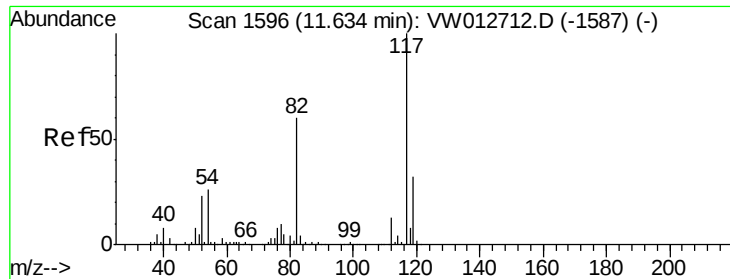
Ion Ratio Lower Upper

95 100

174 84.9 0.0 161.0

176 81.2 0.0 156.4

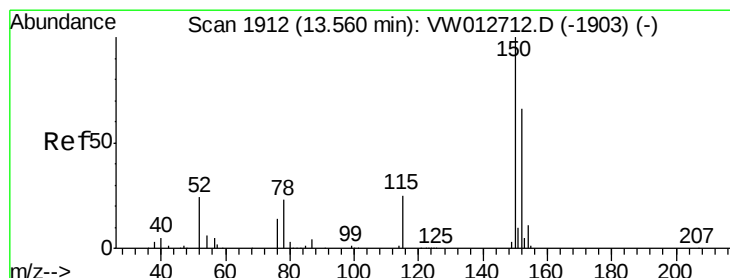
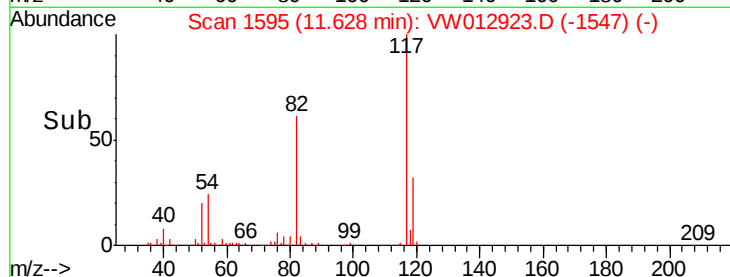
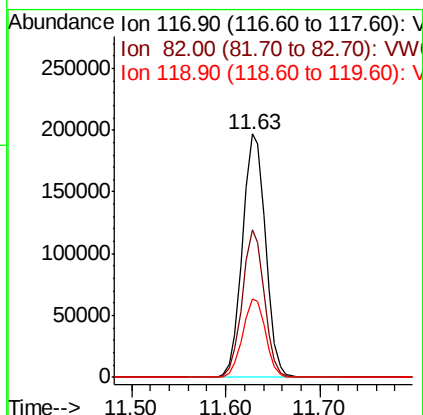
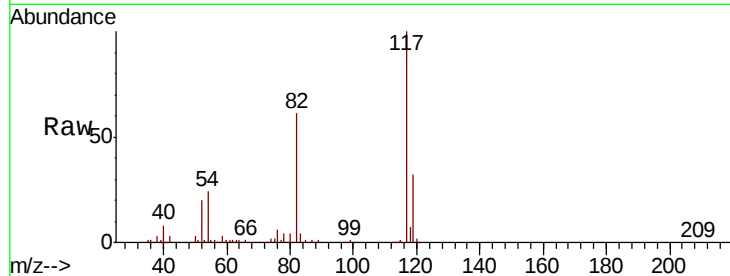




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012923.D
Acq: 11 Sep 2019 18:29

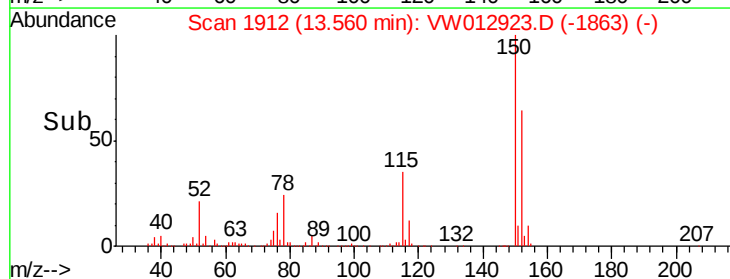
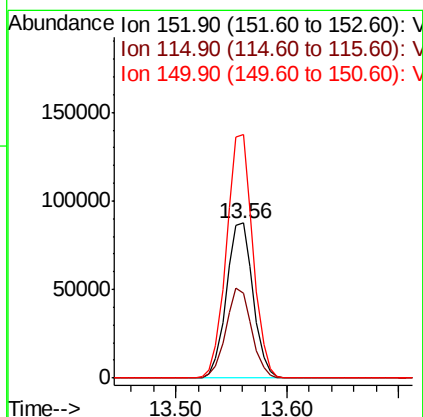
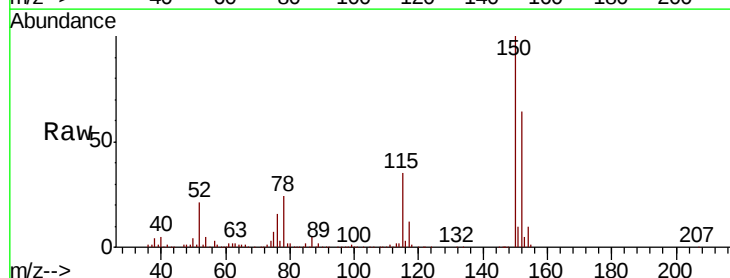
Instrument :
MSVOA_W
ClientSampleId :
T1-4-(1.5)

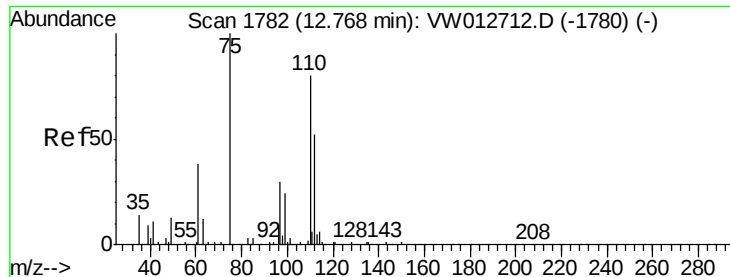
Tgt Ion:117 Resp: 337210
Ion Ratio Lower Upper
117 100
82 60.6 48.2 72.4
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012923.D
Acq: 11 Sep 2019 18:29

Tgt Ion:152 Resp: 144275
Ion Ratio Lower Upper
152 100
115 56.2 30.0 90.1
150 155.7 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 52.139 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012923.D

Acq: 11 Sep 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

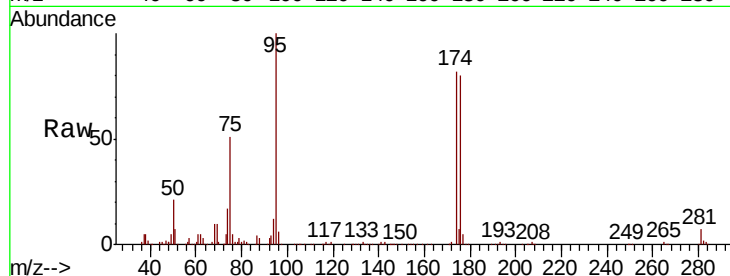
T1-4-(1.5)

Tgt Ion: 75 Resp: 76919

Ion Ratio Lower Upper

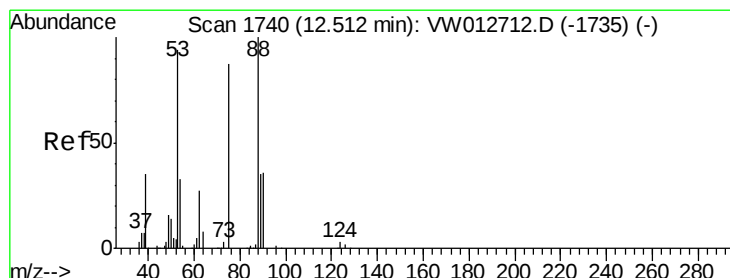
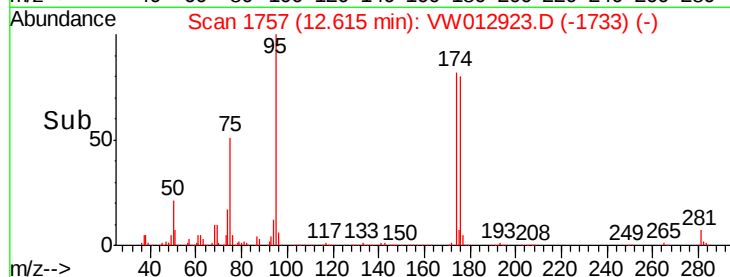
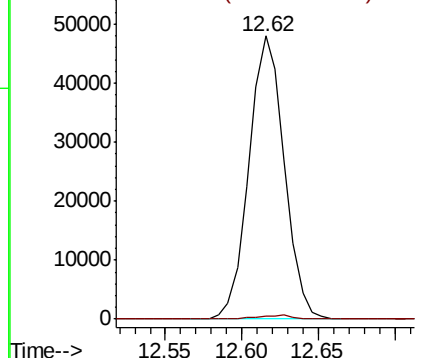
75 100

77 1.5 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: 110.277 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012923.D

Acq: 11 Sep 2019 18:29

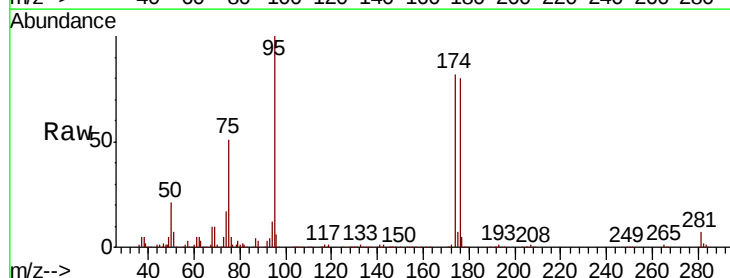
Tgt Ion: 75 Resp: 76919

Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

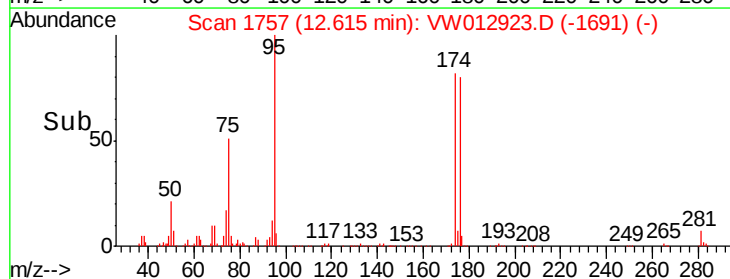
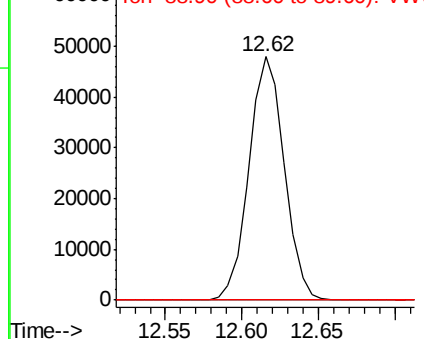
89 0.0 35.5 53.3#

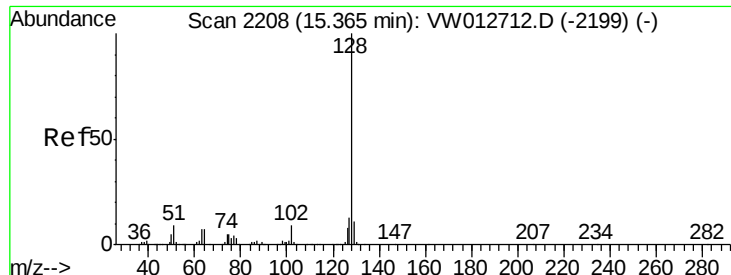


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 4.464 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012923.D

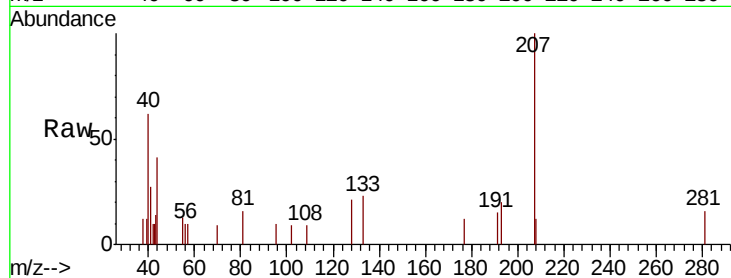
Acq: 11 Sep 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

T1-4-(1.5)



Tgt Ion:	128	Resp:	166
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

