

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011697.D
 Acq On : 04 Aug 2019 06:51
 Operator : SY/VA
 Sample : K4156-07
 Misc : 3.06G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT3380

Quant Time: Aug 05 01:08:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	162644	57.67	ug/l	0.00
Spiked Amount						
			Recovery	=	115.34%	
35) Dibromofluoromethane	7.88	113	127601	55.45	ug/l	0.00
Spiked Amount						
			Recovery	=	110.90%	
50) Toluene-d8	10.32	98	511982	54.34	ug/l	0.00
Spiked Amount						
			Recovery	=	108.68%	
62) 4-Bromofluorobenzene	12.62	95	159066	47.35	ug/l	0.00
Spiked Amount						
			Recovery	=	94.70%	

Target Compounds

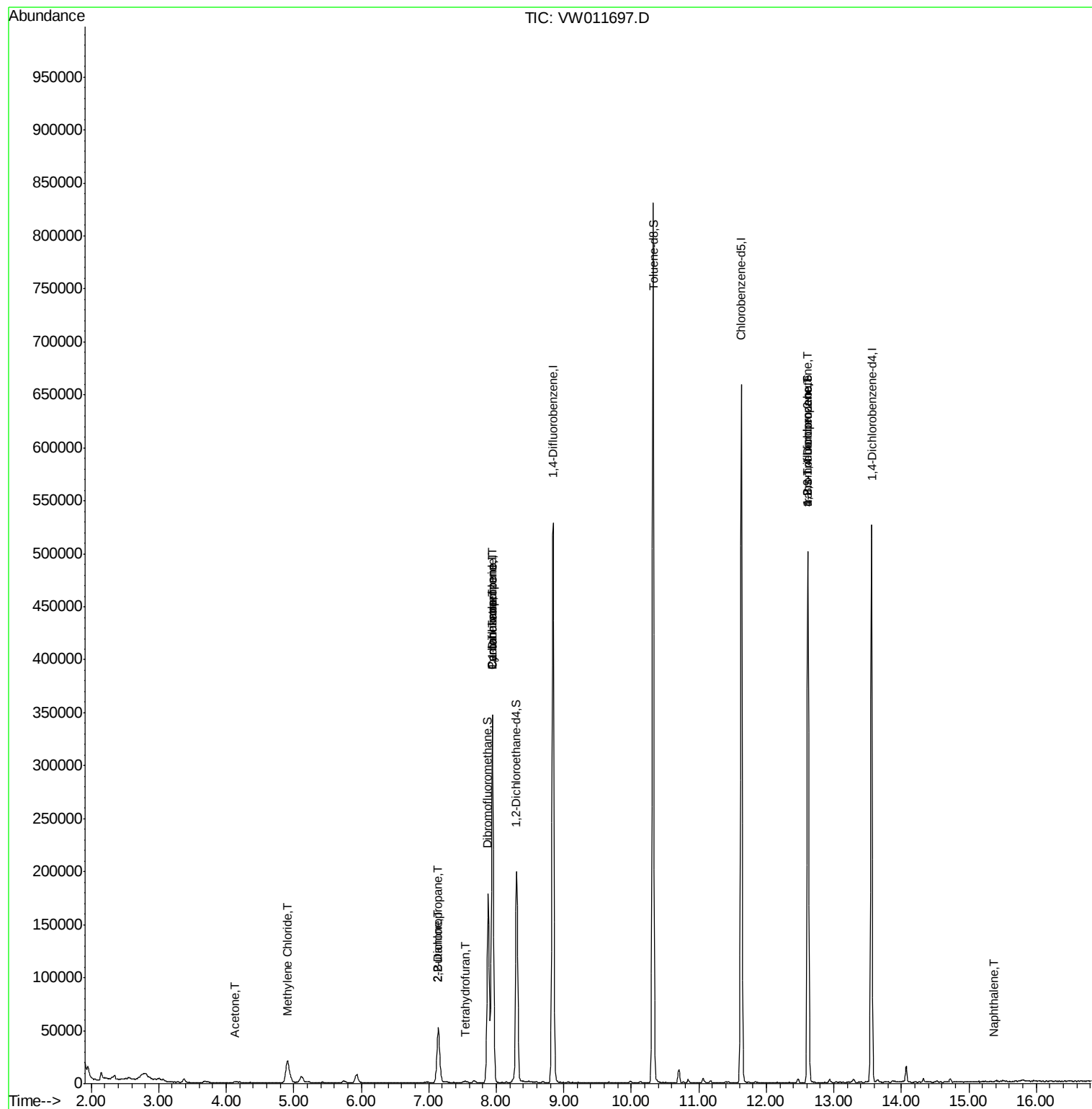
					Qvalue	
11) Tert butyl alcohol	5.22	59	677	Below Cal	#	72
16) Acetone	4.12	43	1103	1.229	ug/l	98
20) Methylene Chloride	4.91	84	15248	4.928	ug/l	95
25) 2-Butanone	7.14	43	3616	3.080	ug/l #	90
26) 2,2-Dichloropropane	7.13	77	3604	1.067	ug/l #	54
29) Tetrahydrofuran	7.54	42	1425	2.124	ug/l #	90
31) Cyclohexane	7.95	56	6609	1.253	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21813	5.114	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25078	6.868	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	86031	61.806	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86031	142.441	ug/l #	6
95) Naphthalene	15.37	128	97	2.084	ug/l #	69

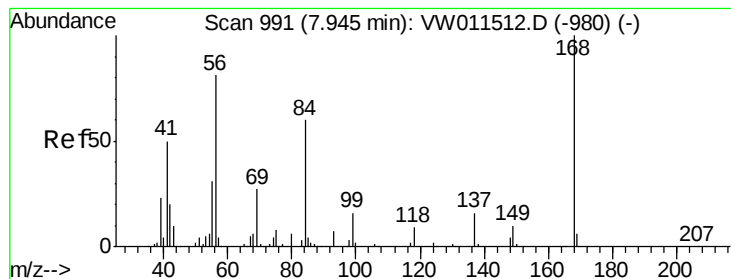
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW011697.D

Acq: 04 Aug 2019 06:51

Instrument :

MSVOA_W

ClientSampleId :

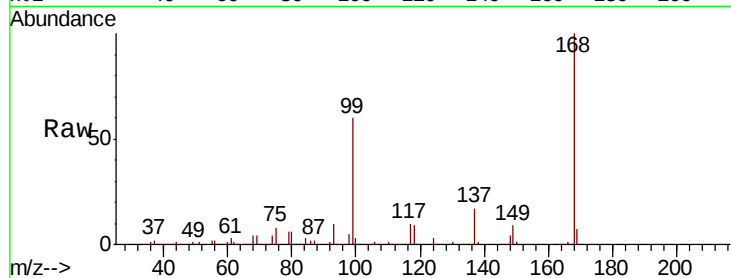
RT3380

Tot Ion:168 Resp: 245613

Ion Ratio Lower Upper

168 100

99 60.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

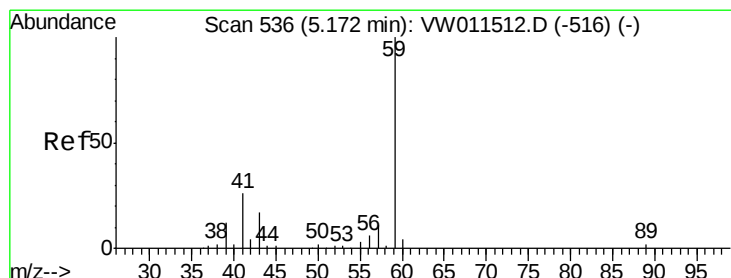
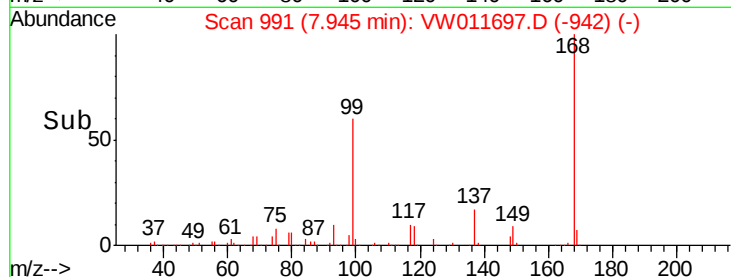
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. 0.05 min

Lab File: VW011697.D

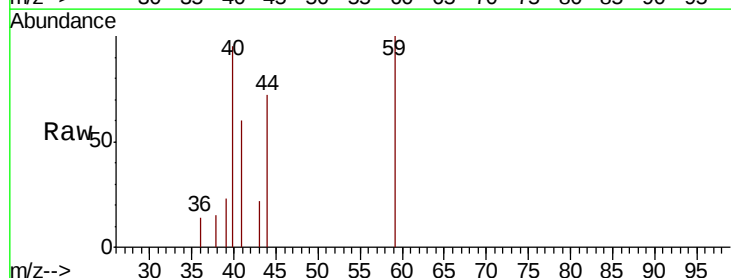
Acq: 04 Aug 2019 06:51

Tgt Ion: 59 Resp: 677

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

500

400

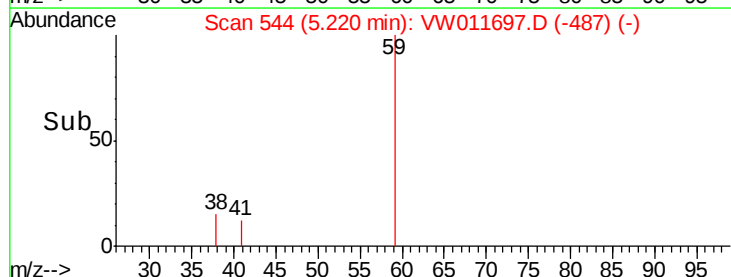
300

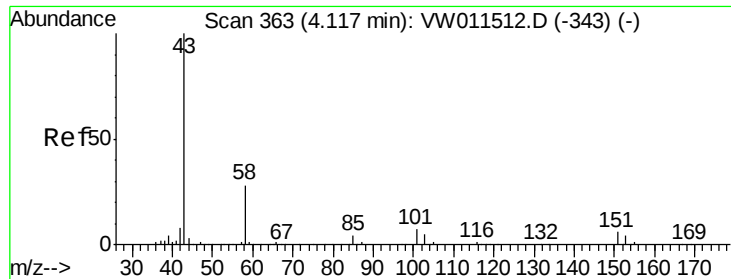
200

100

0

Time-->





#16

Acetone

Concen: 1.229 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011697.D

Acq: 04 Aug 2019 06:51

Instrument :

MSVOA_W

ClientSampleId :

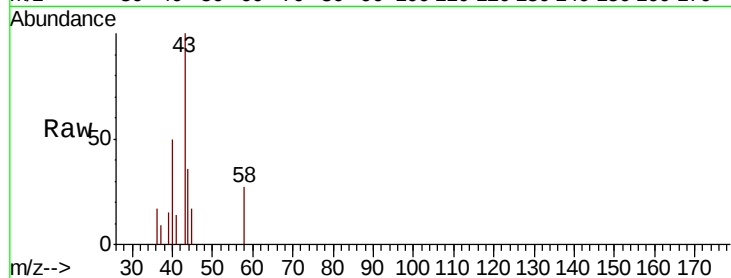
RT3380

Tot Ion: 43 Resp: 1103

Ion Ratio Lower Upper

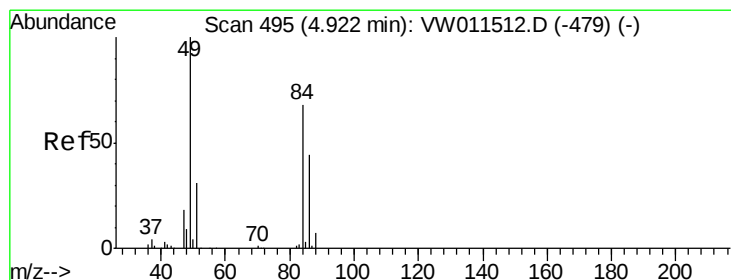
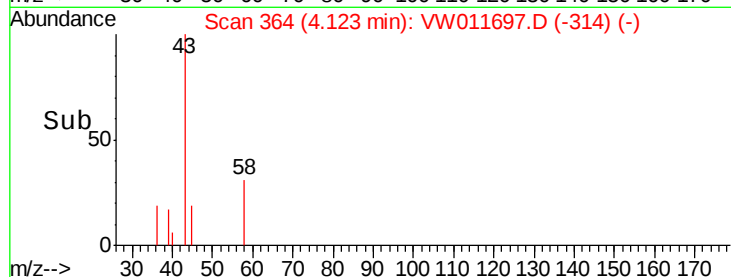
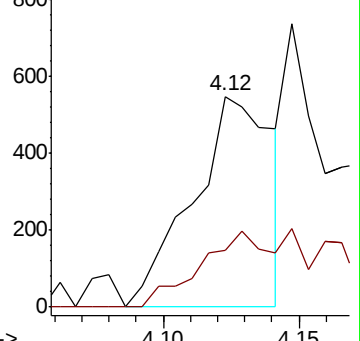
43 100

58 27.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 4.928 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011697.D

Acq: 04 Aug 2019 06:51

Tgt Ion: 84 Resp: 15248

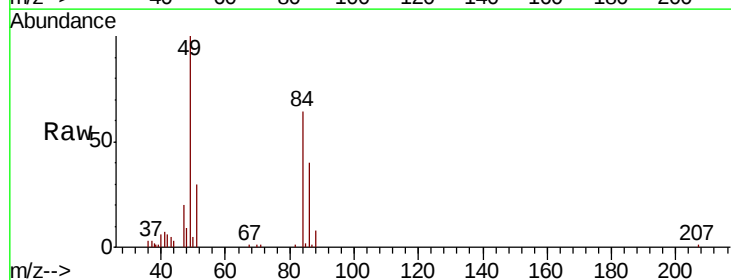
Ion Ratio Lower Upper

84 100

49 156.3 117.8 176.6

51 47.0 37.0 55.4

86 62.8 51.8 77.8

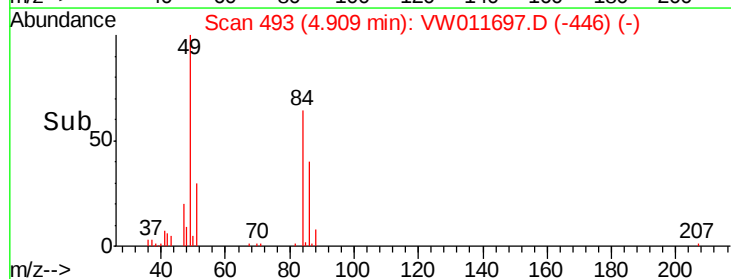
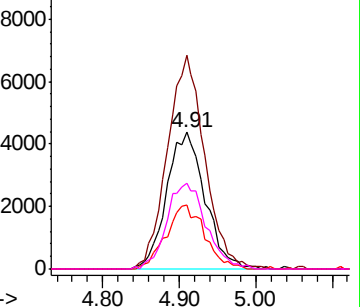


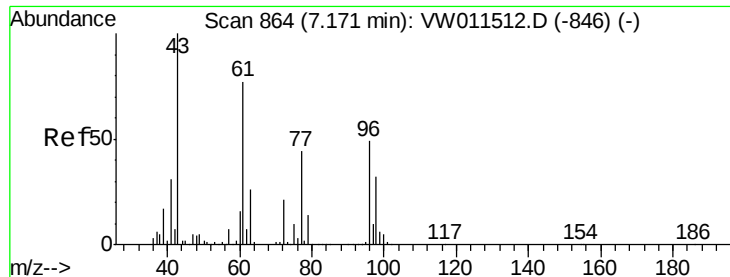
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 3.080 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011697.D

Acq: 04 Aug 2019 06:51

Instrument :

MSVOA_W

ClientSampleId :

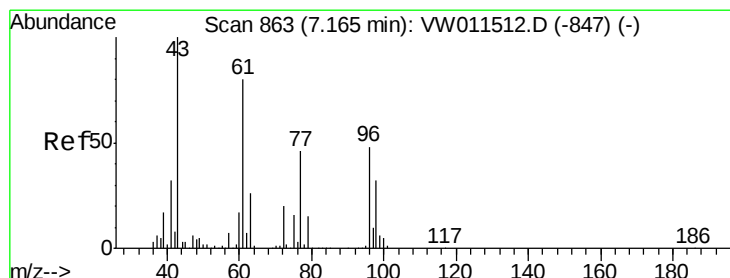
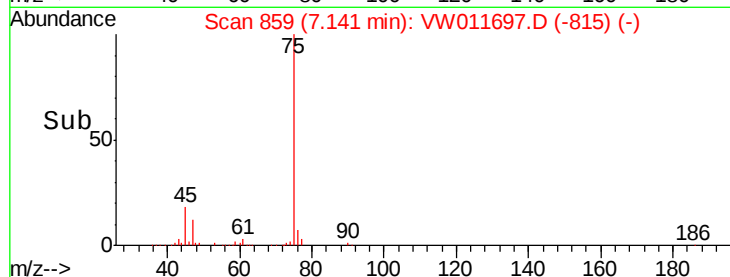
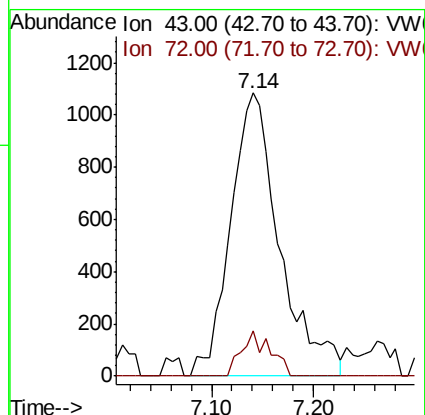
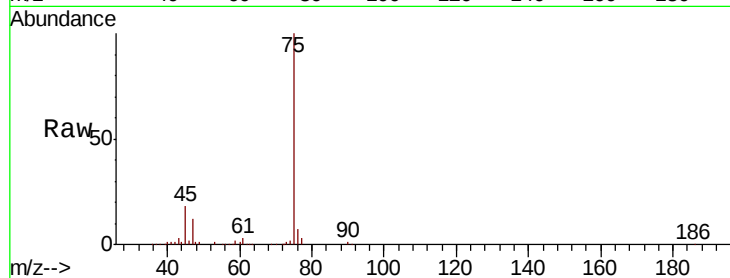
RT3380

Tot Ion: 43 Resp: 3616

Ion Ratio Lower Upper

43 100

72 16.1 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.067 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW011697.D

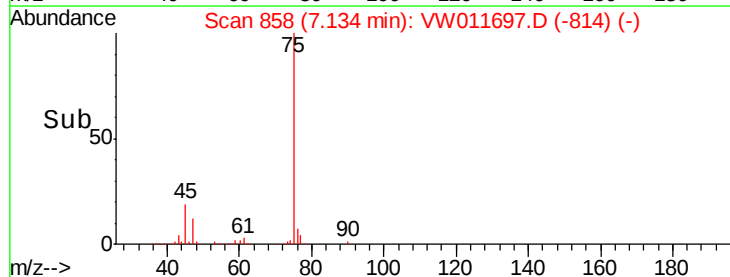
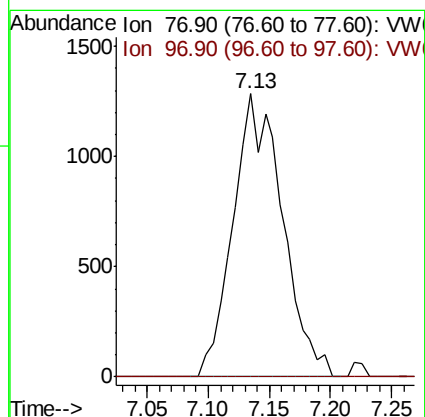
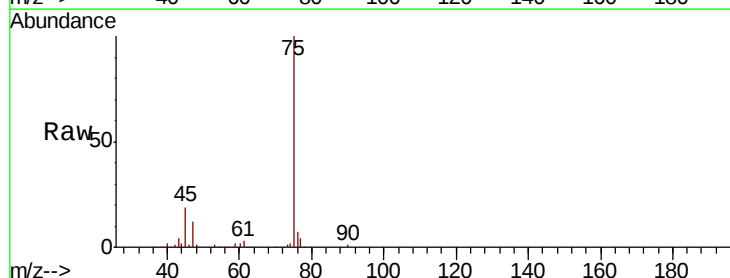
Acq: 04 Aug 2019 06:51

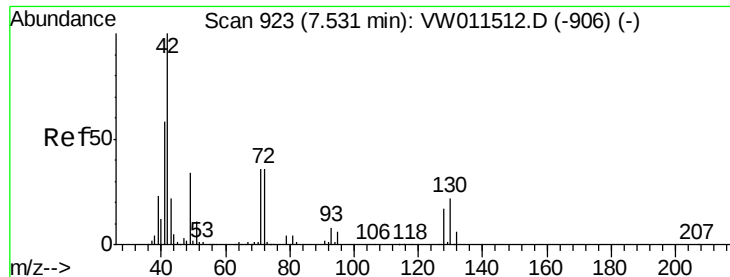
Tgt Ion: 77 Resp: 3604

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#





#29

Tetrahydrofuran

Concen: 2.124 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011697.D

Acq: 04 Aug 2019 06:51

Instrument :

MSVOA_W

ClientSampled :

RT3380

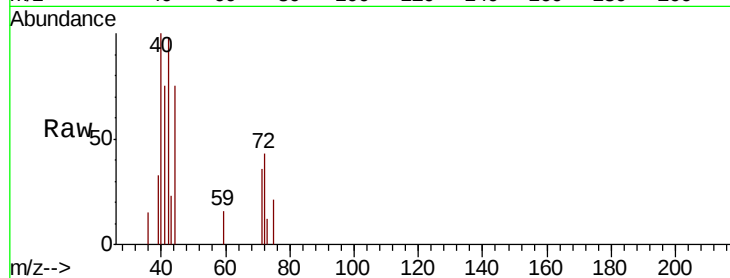
Tot Ion: 42 Resp: 1425

Ion Ratio Lower Upper

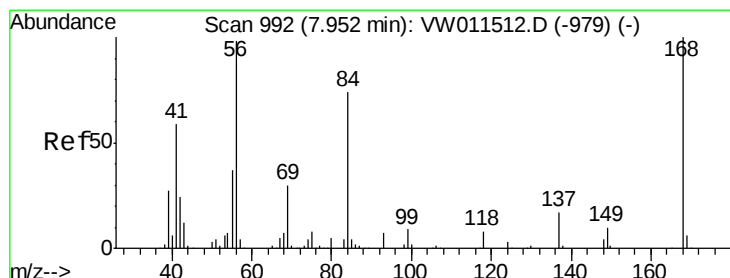
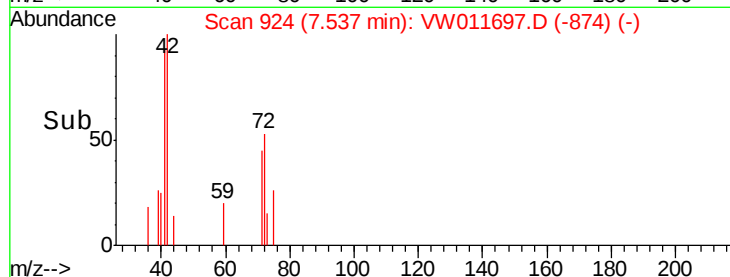
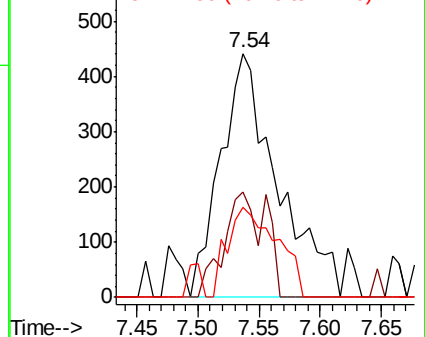
42 100

72 23.5 27.1 40.7#

71 32.3 26.2 39.4



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: 1.253 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011697.D

Acq: 04 Aug 2019 06:51

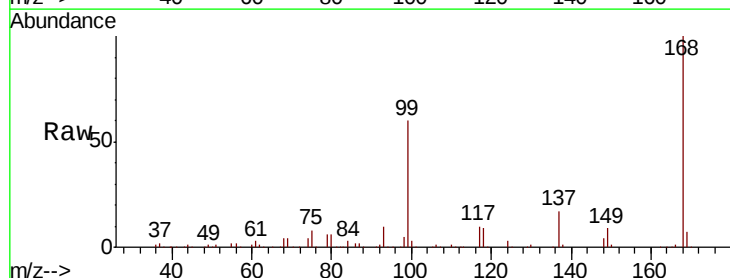
Tgt Ion: 56 Resp: 6609

Ion Ratio Lower Upper

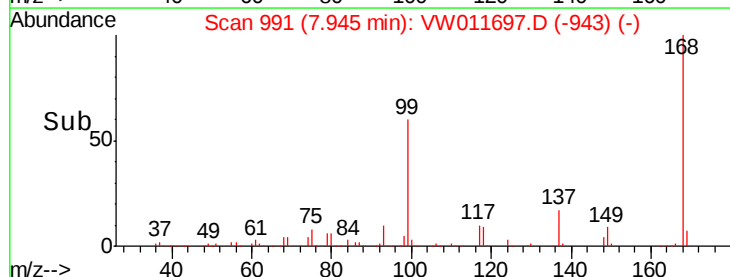
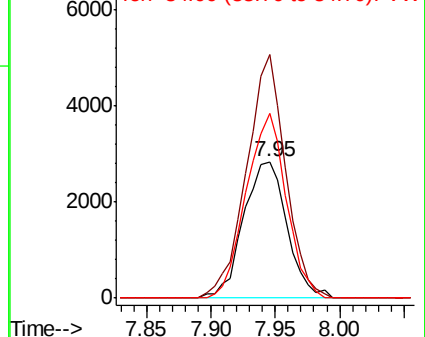
56 100

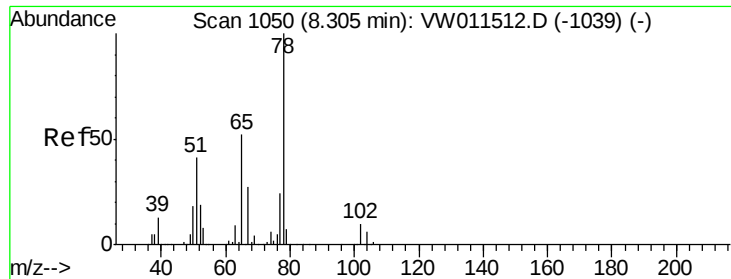
69 178.4 24.3 36.5#

84 134.9 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: 57.669 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011697.D

Acq: 04 Aug 2019 06:51

Instrument :

MSVOA_W

ClientSampleId :

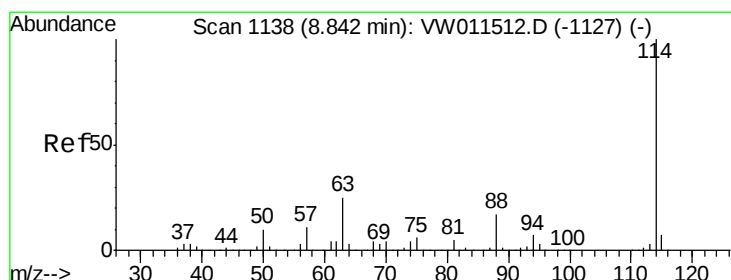
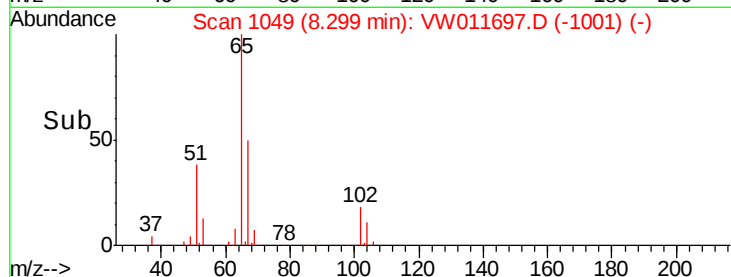
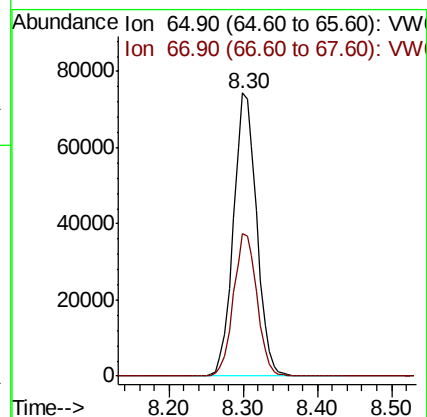
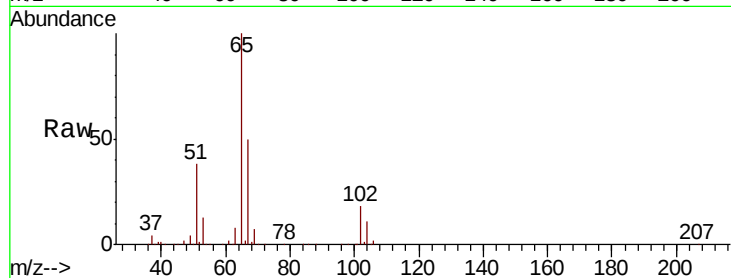
RT3380

Tot Ion: 65 Resp: 162644

Ion Ratio Lower Upper

65 100

67 51.0 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011697.D

Acq: 04 Aug 2019 06:51

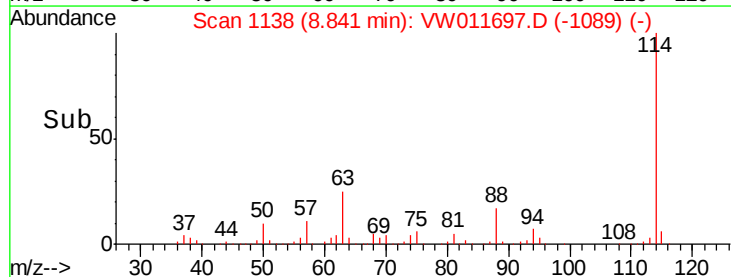
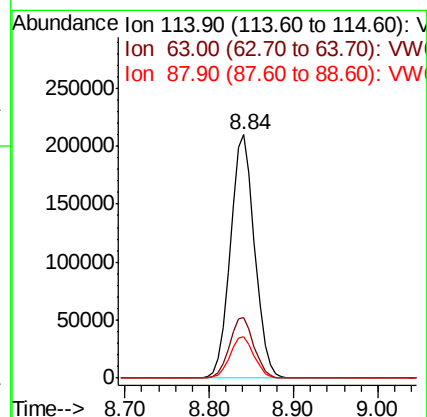
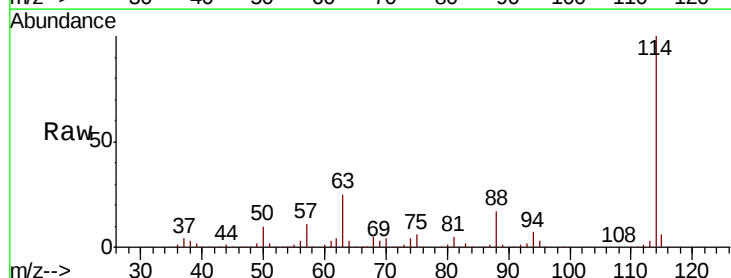
Tgt Ion: 114 Resp: 410195

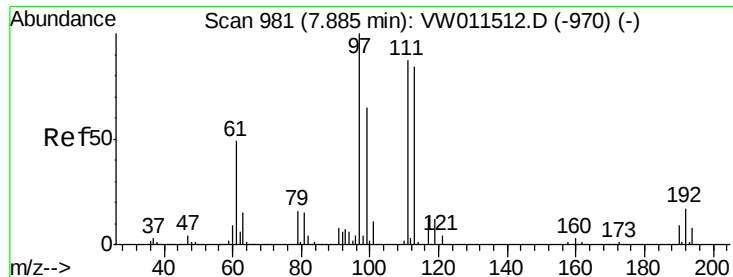
Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

88 16.9 0.0 33.8

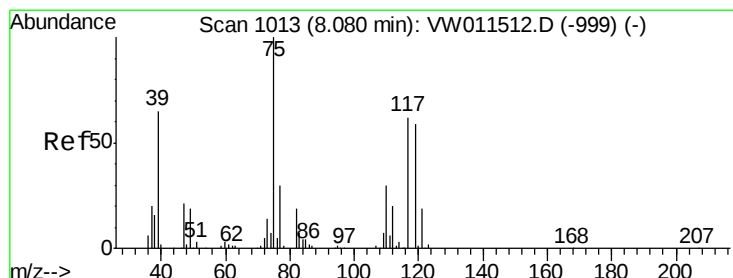
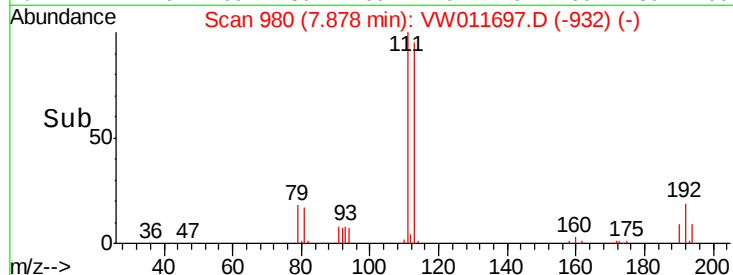
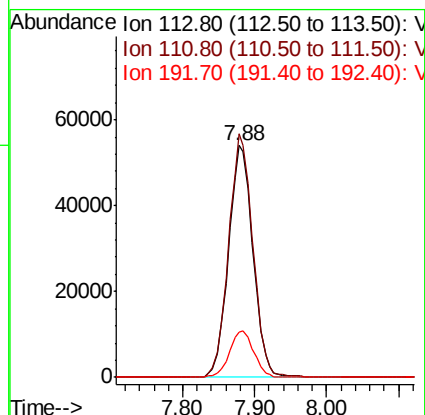
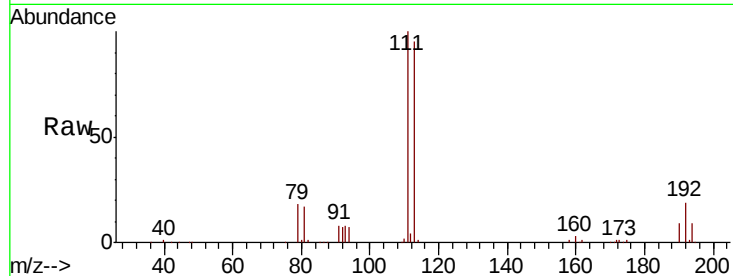




#35
 Dibromofluoromethane
 Concen: 55.448 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011697.D
 Acq: 04 Aug 2019 06:51

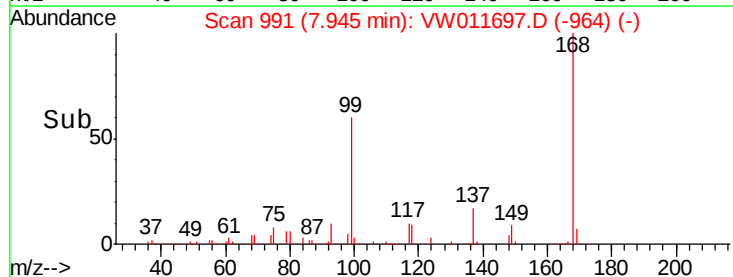
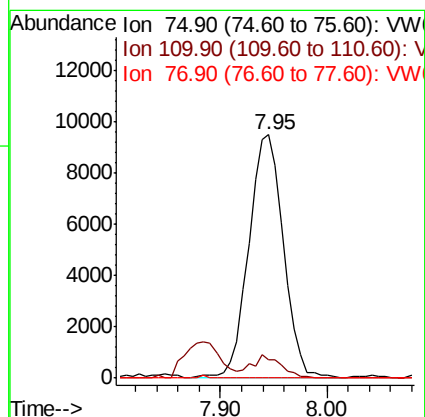
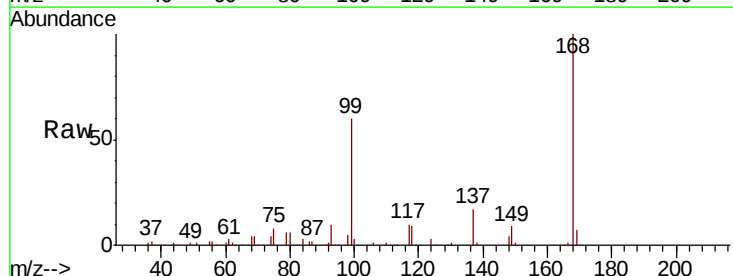
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 RT3380

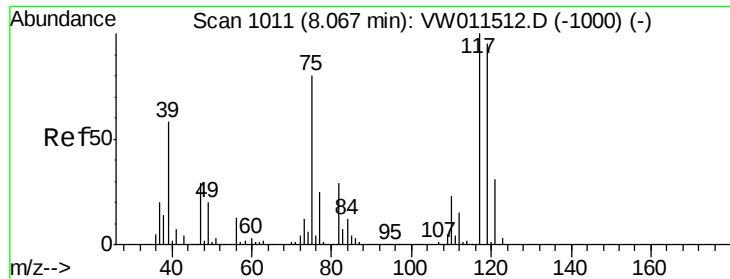
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.7	124.1
192	19.9	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.114 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011697.D
 Acq: 04 Aug 2019 06:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.6	46.8#
77	0.0	24.3	36.5#

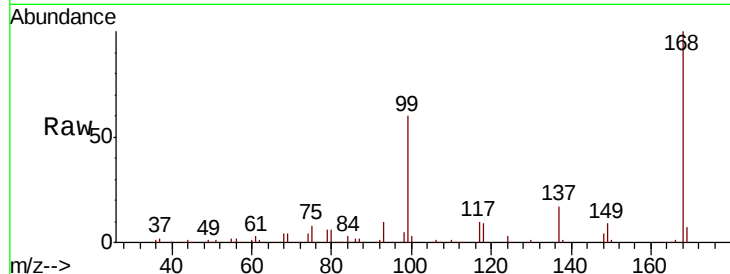




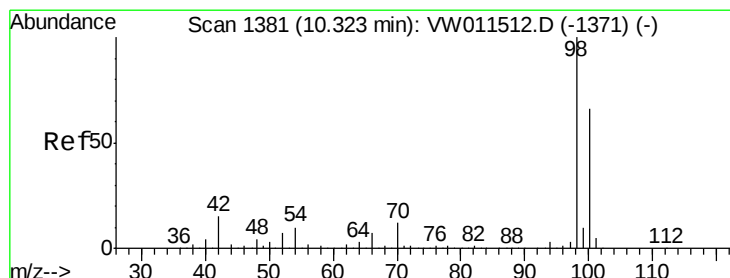
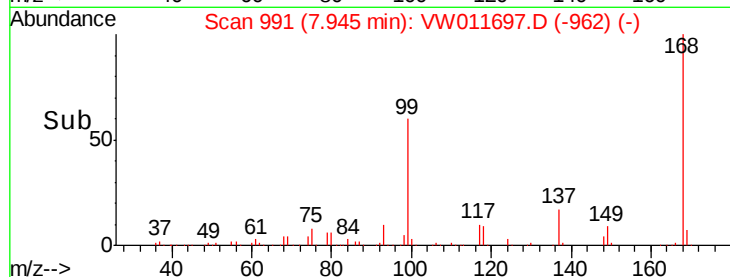
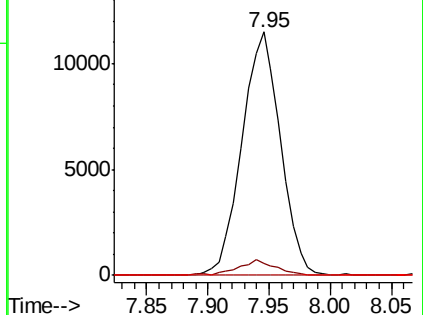
#38
Carbon Tetrachloride
Concen: 6.868 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011697.D
Acq: 04 Aug 2019 06:51

Instrument :
MSVOA_W
ClientSampleId :
RT3380

Tot Ion:117 Resp: 25078
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.6#
121 0.0 24.7 37.1#

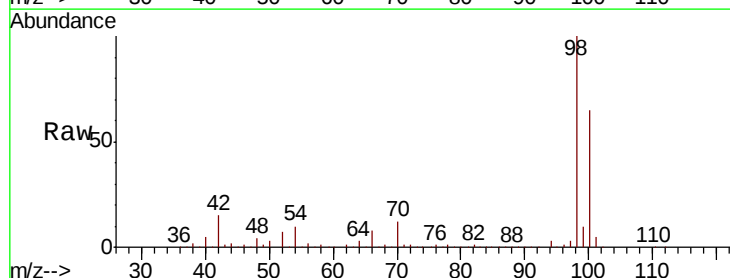


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

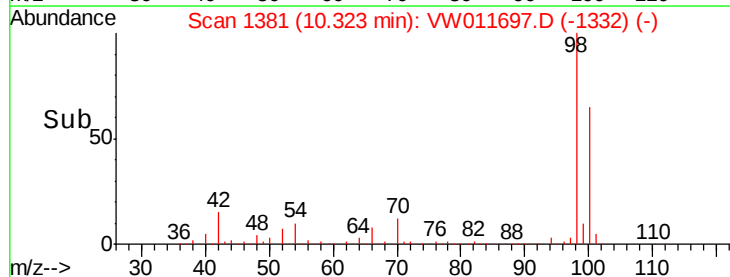
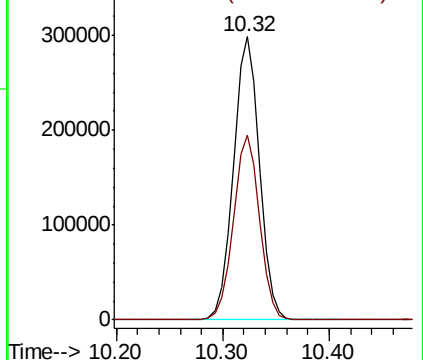


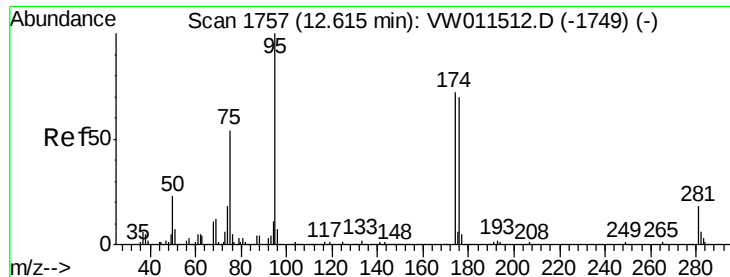
#50
Toluene-d8
Concen: 54.339 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011697.D
Acq: 04 Aug 2019 06:51

Tgt Ion: 98 Resp: 511982
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

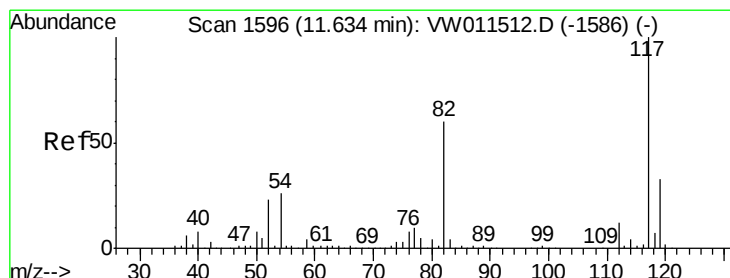
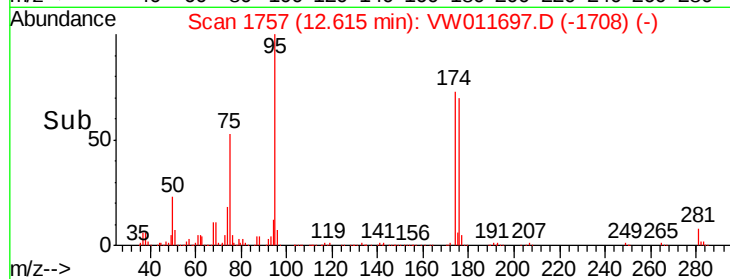
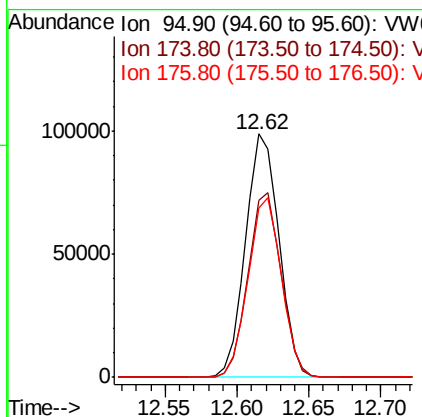
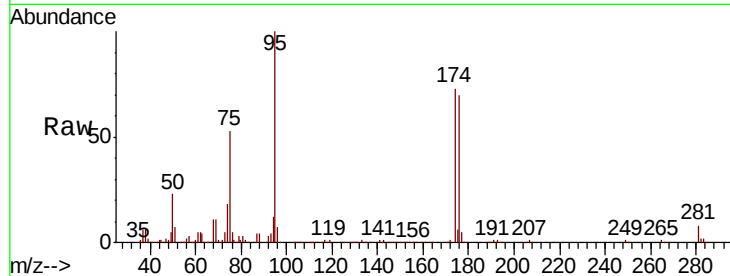




#62
4-Bromofluorobenzene
Concen: 47.353 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011697.D
Acq: 04 Aug 2019 06:51

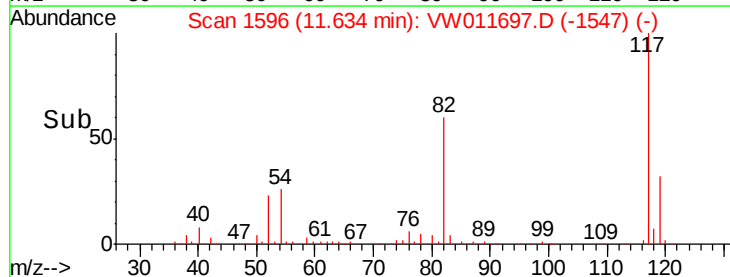
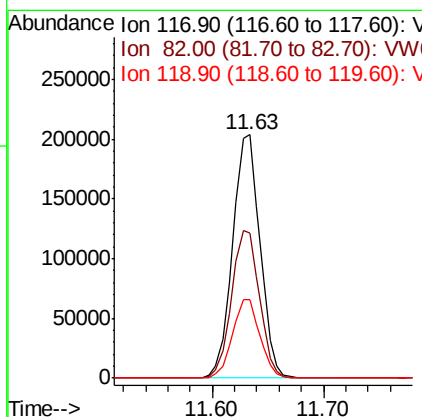
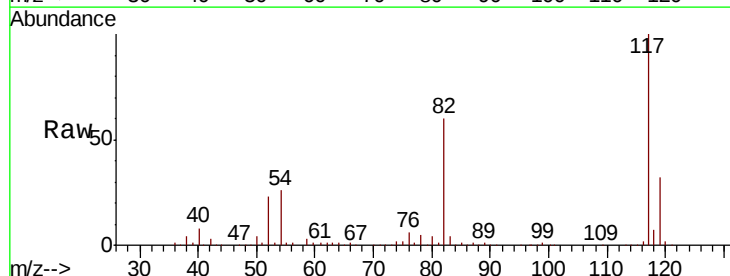
Instrument :
MSVOA_W
ClientSampleId :
RT3380

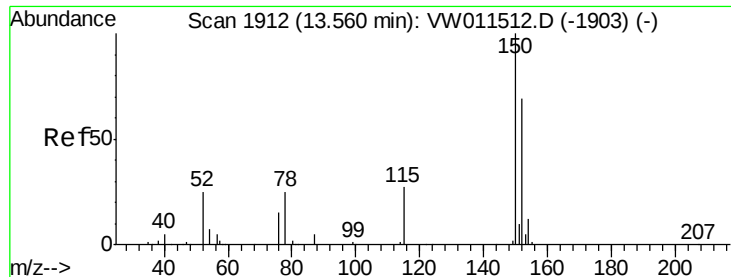
Tot Ion: 95 Resp: 159066
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.2
176 73.3 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011697.D
Acq: 04 Aug 2019 06:51

Tgt Ion: 117 Resp: 346721
Ion Ratio Lower Upper
117 100
82 59.6 47.9 71.9
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011697.D

Acq: 04 Aug 2019 06:51

Instrument :

MSVOA_W

ClientSampleId :

RT3380

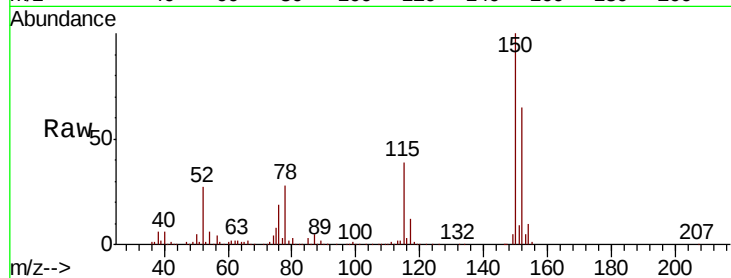
Tot Ion:152 Resp: 131551

Ion Ratio Lower Upper

152 100

115 60.8 30.5 91.5

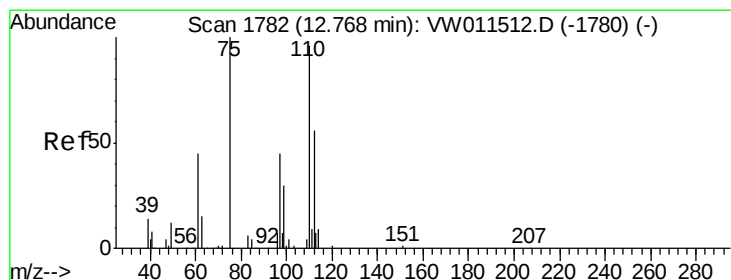
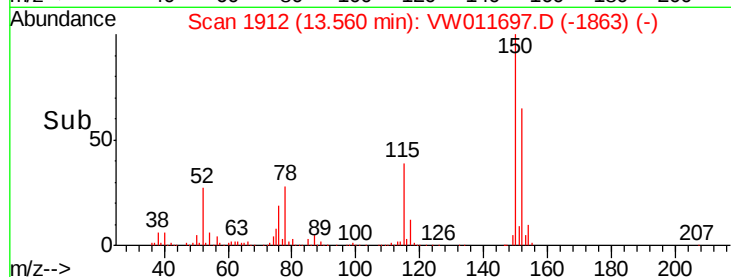
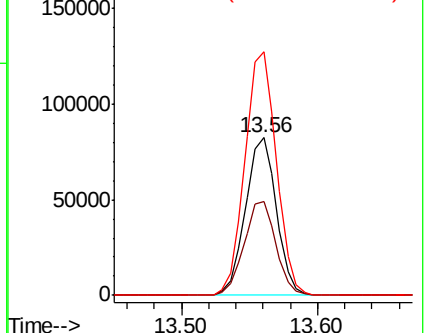
150 157.3 0.0 352.6



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: 61.806 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011697.D

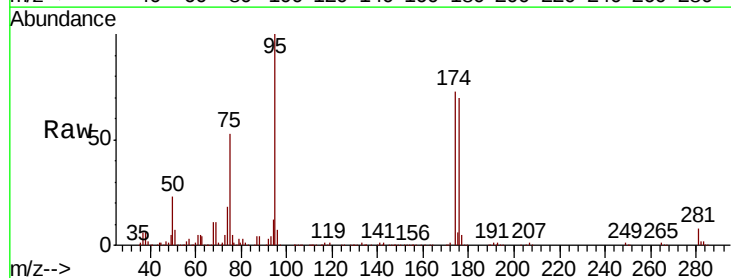
Acq: 04 Aug 2019 06:51

Tgt Ion: 75 Resp: 86031

Ion Ratio Lower Upper

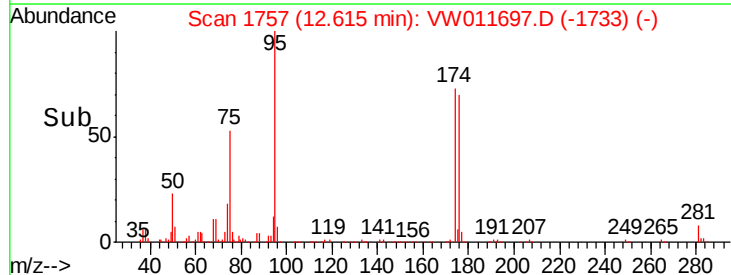
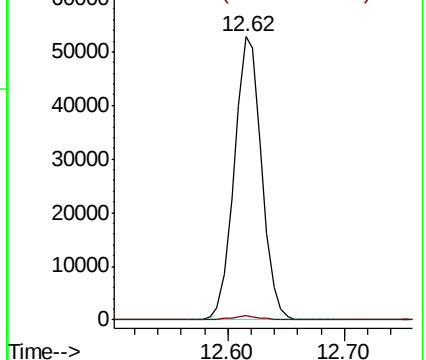
75 100

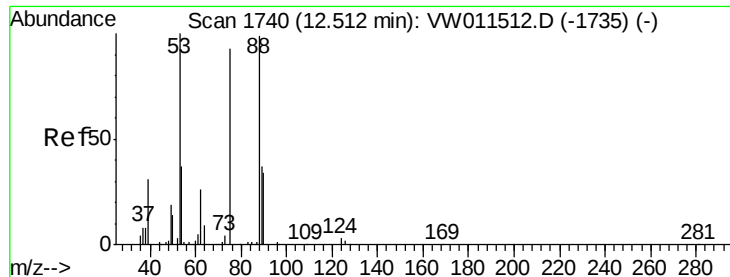
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

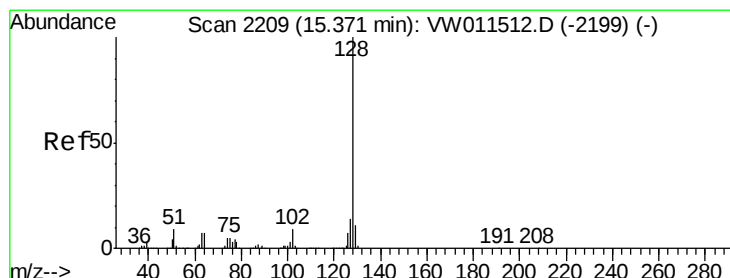
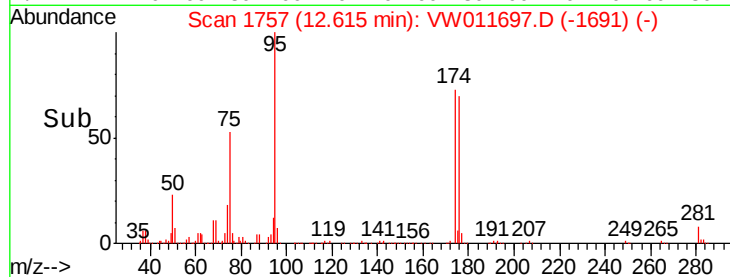
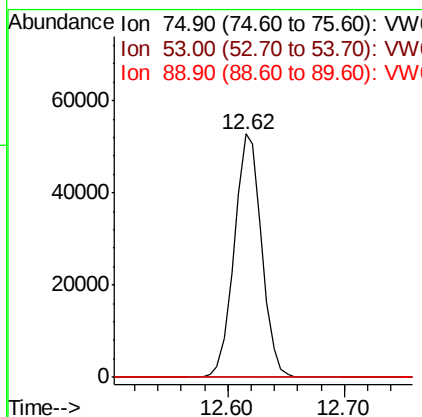
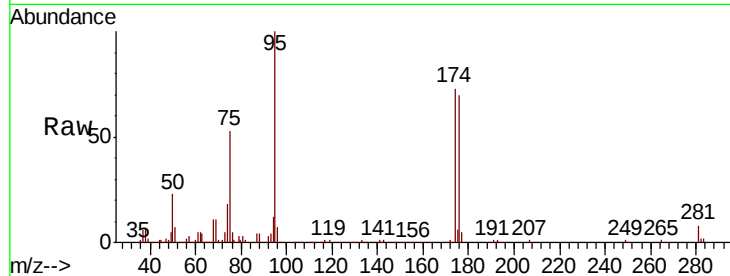




#81
trans-1,4-Dichloro-2-butene
Concen: 142.441 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011697.D
Acq: 04 Aug 2019 06:51

Instrument :
MSVOA_W
ClientSampleId :
RT3380

Tot Ion: 75 Resp: 86031
Ion Ratio Lower Upper
75 100
53 0.1 88.0 132.0#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.084 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011697.D
Acq: 04 Aug 2019 06:51

Tgt Ion: 128 Resp: 97
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

