

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011852.D
 Acq On : 12 Aug 2019 15:15
 Operator : SY/VA
 Sample : K4229-08
 Misc : 5.96G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:46:28 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

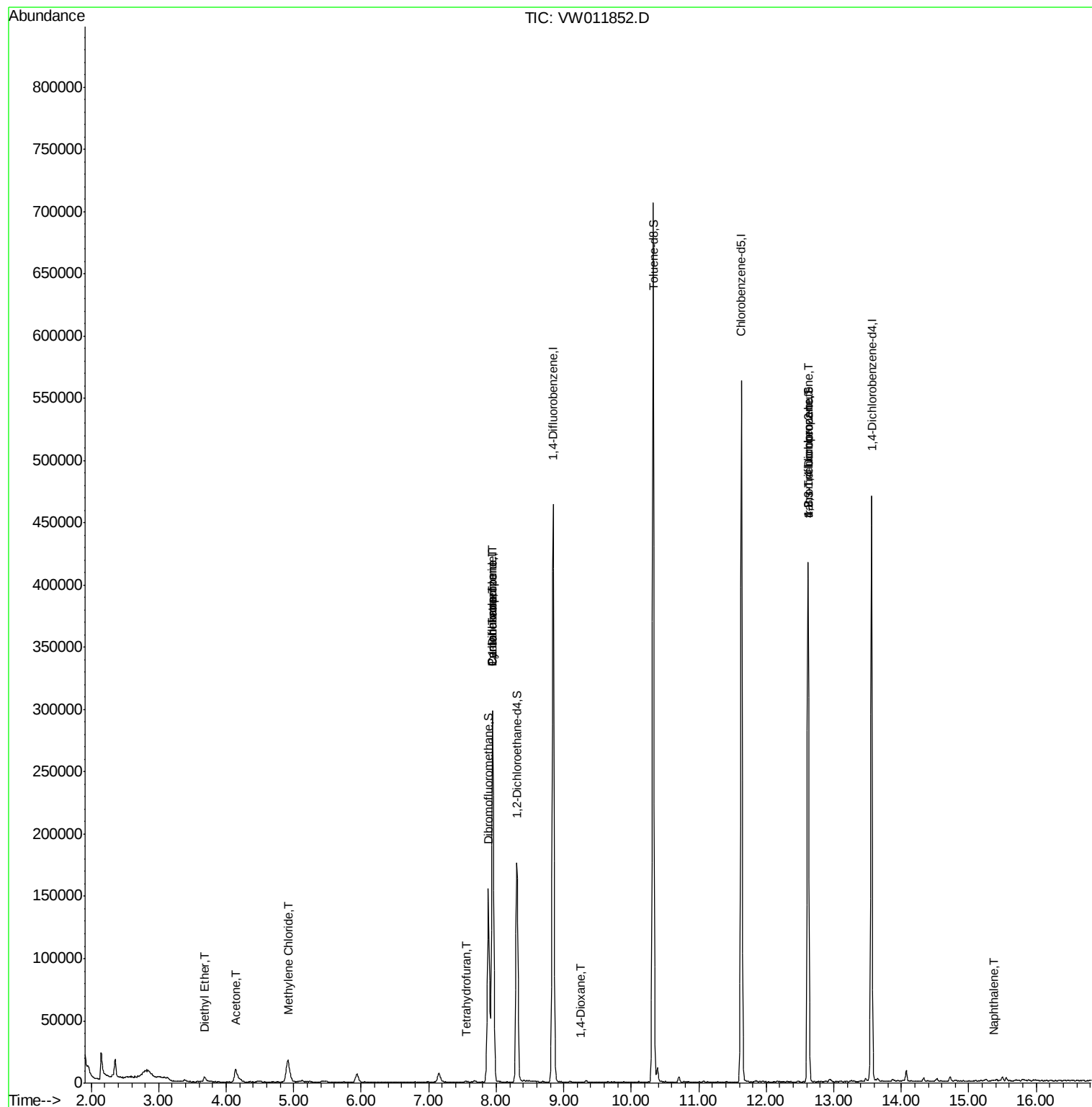
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115034	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	140486	58.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.62%	
35) Dibromofluoromethane	7.88	113	110679	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
50) Toluene-d8	10.32	98	438797	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.62	95	135791	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1715	1.386	ug/l	71
11) Tert butyl alcohol	5.21	59	187	Below Cal	#	64
16) Acetone	4.14	43	20624	26.911	ug/l	100
20) Methylene Chloride	4.92	84	14043	5.313	ug/l	91
29) Tetrahydrofuran	7.55	42	833	1.453	ug/l #	86
31) Cyclohexane	7.95	56	5802	1.288	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18810	5.060	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21910	6.885	ug/l #	18
49) 1,4-Dioxane	9.26	88	21	1.141	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	72397	59.479	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72397	137.078	ug/l #	6
95) Naphthalene	15.37	128	315	2.132	ug/l #	79

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

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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: VW011852.D

Acq: 12 Aug 2019 15:15

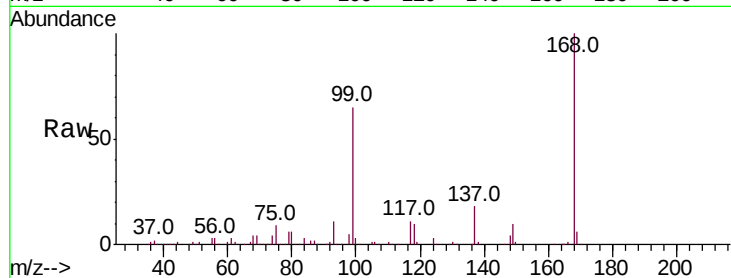
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 209812

Ion Ratio Lower Upper

168 100

99 65.1 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

80000

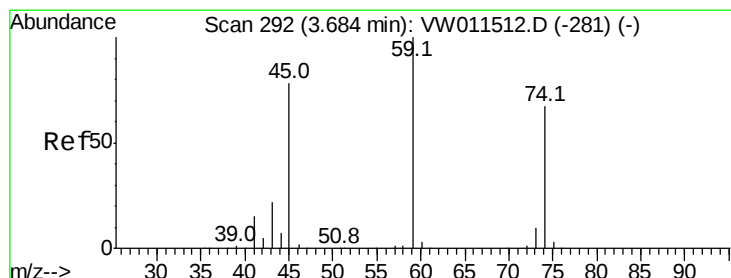
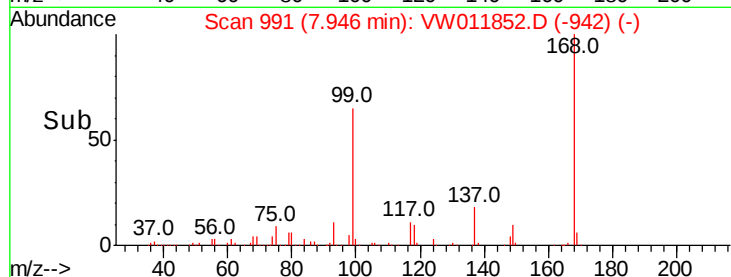
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.386 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW011852.D

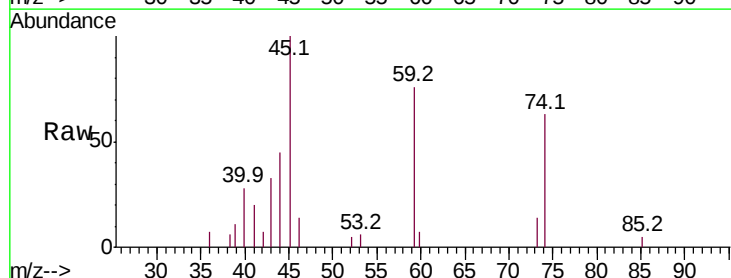
Acq: 12 Aug 2019 15:15

Tgt Ion: 74 Resp: 1715

Ion Ratio Lower Upper

74 100

45 151.7 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

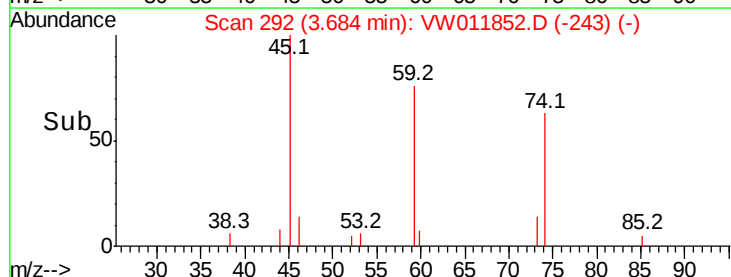
1500

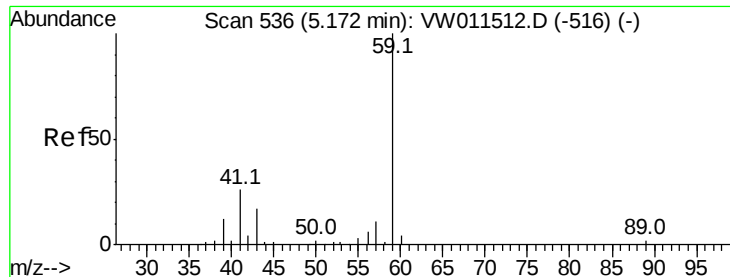
1000

500

0

Time-->



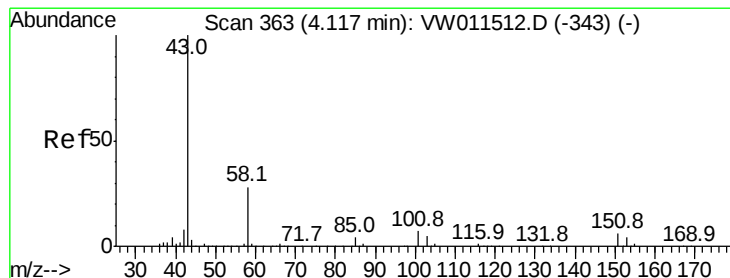
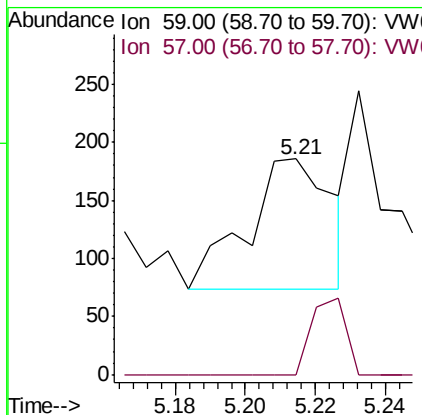
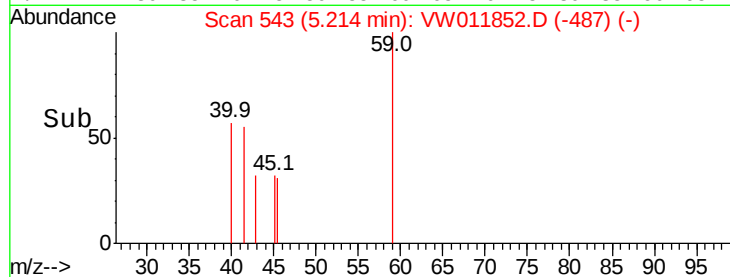
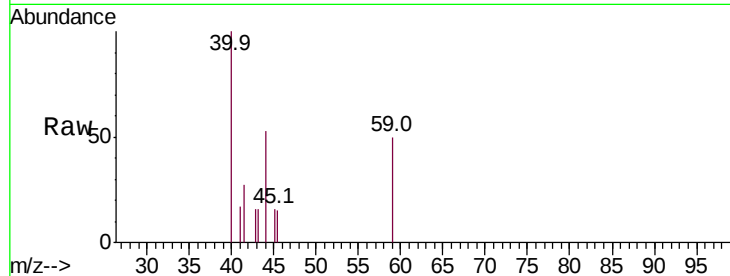


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 543
 Delta R.T. 0.04 min
 Lab File: VW011852.D
 Acq: 12 Aug 2019 15:15

Instrument :
 MSVOA_W
 ClientSampled :

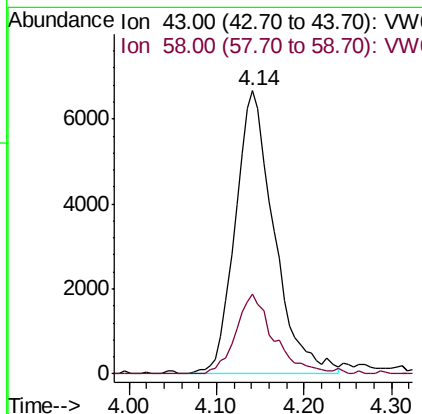
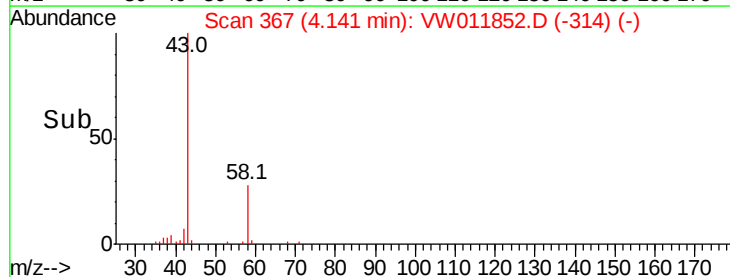
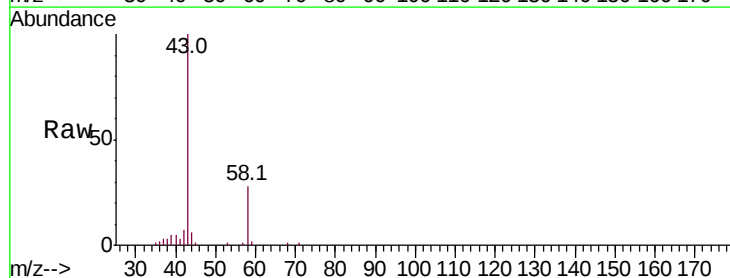
Tot Ion: 59 Resp: 187
 Ion Ratio Lower Upper
 59 100
 57 24.1 8.5 12.7#

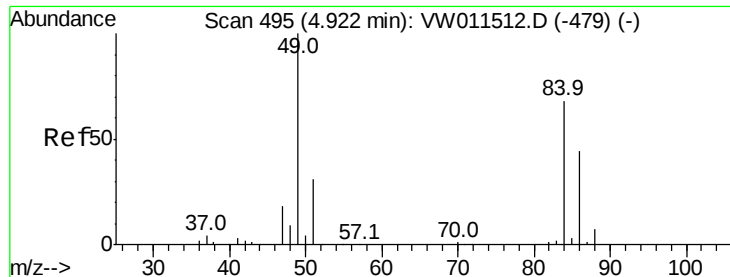


#16

Acetone
 Concen: 26.911 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW011852.D
 Acq: 12 Aug 2019 15:15

Tgt Ion: 43 Resp: 20624
 Ion Ratio Lower Upper
 43 100
 58 28.0 22.3 33.5

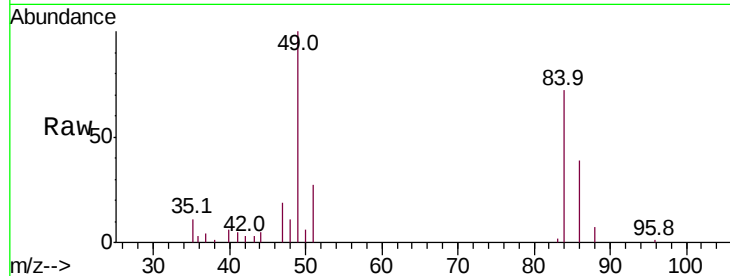




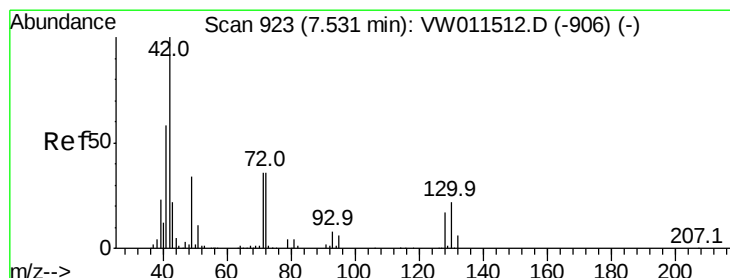
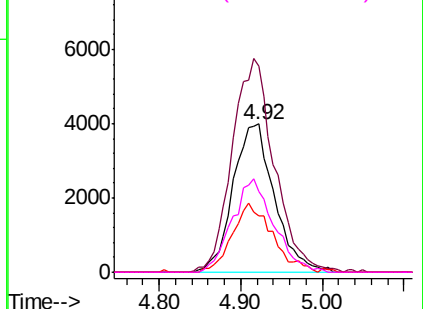
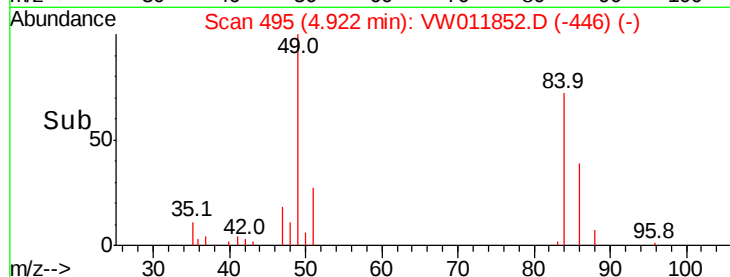
#20
Methvlene Chloride
Concen: 5.313 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW011852.D
Acq: 12 Aug 2019 15:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 14043
Ion Ratio Lower Upper
84 100
49 139.4 117.8 176.6
51 37.8 37.0 55.4
86 54.5 51.8 77.8

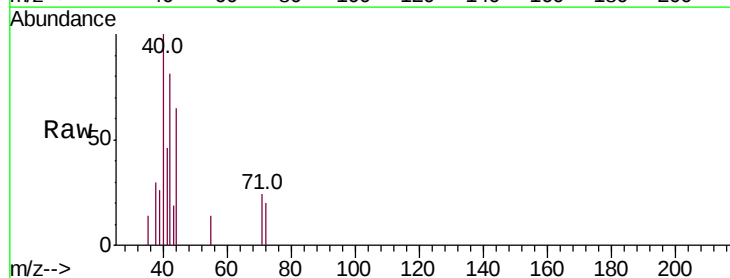


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

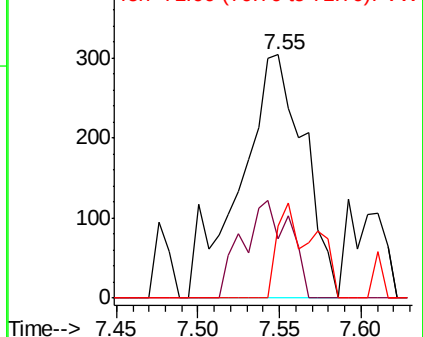
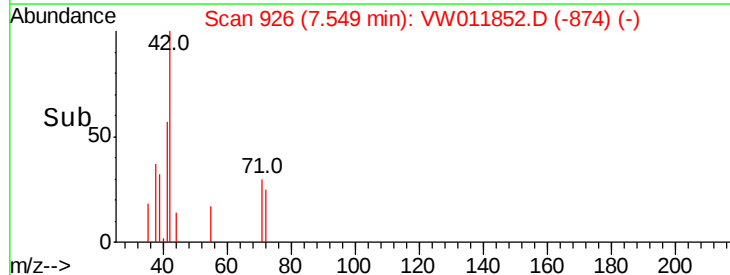


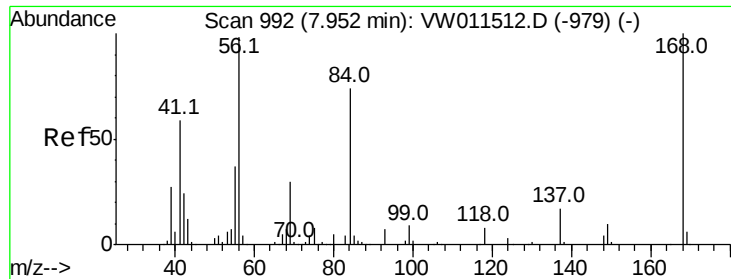
#29
Tetrahydrofuran
Concen: 1.453 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW011852.D
Acq: 12 Aug 2019 15:15

Tgt Ion: 42 Resp: 833
Ion Ratio Lower Upper
42 100
72 29.3 27.1 40.7
71 21.8 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

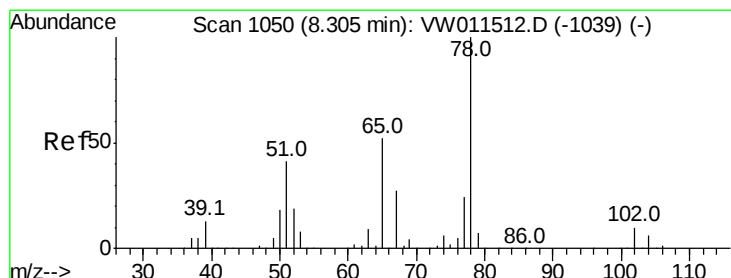
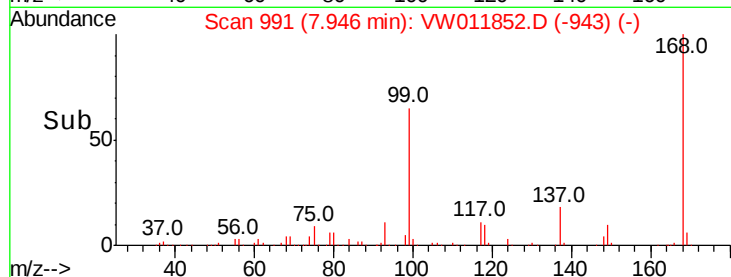
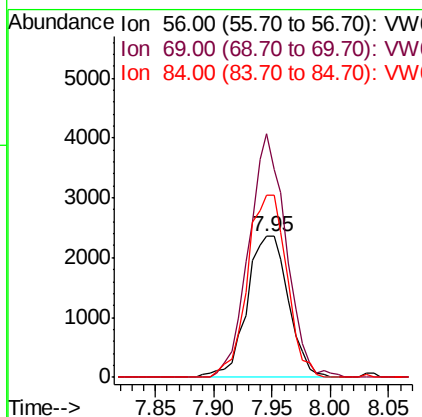
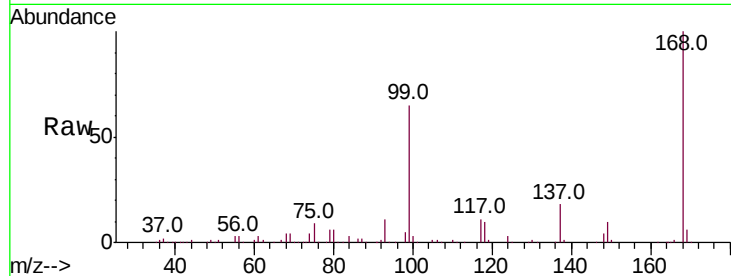




#31
Cyclohexane
Concen: 1.288 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011852.D
Acq: 12 Aug 2019 15:15

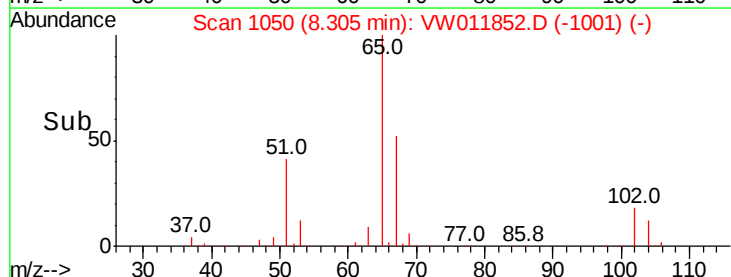
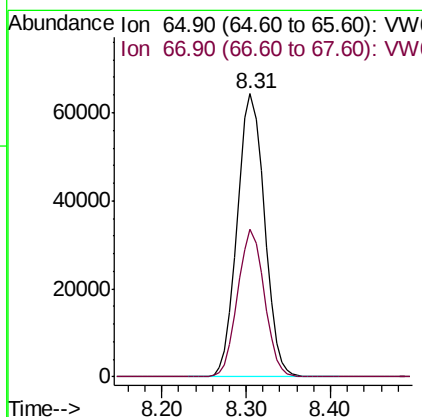
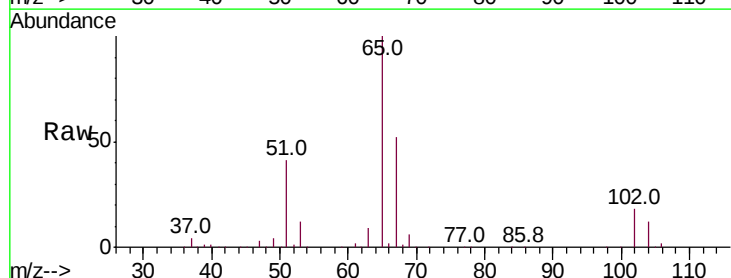
Instrument :
MSVOA_W
ClientSampled :

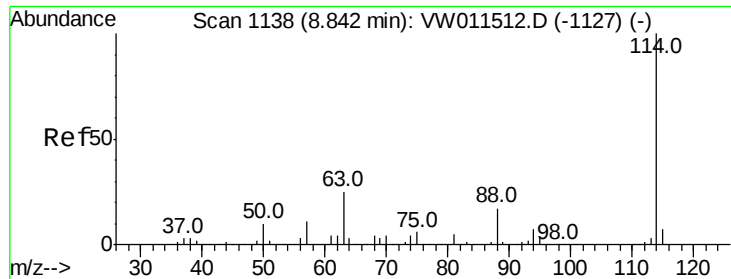
Tot Ion: 56 Resp: 5802
Ion Ratio Lower Upper
56 100
69 172.5 24.3 36.5#
84 129.1 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 58.312 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011852.D
Acq: 12 Aug 2019 15:15

Tgt Ion: 65 Resp: 140486
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: VW011852.D

Acq: 12 Aug 2019 15:15

Instrument :

MSVOA_W

ClientSampleId :

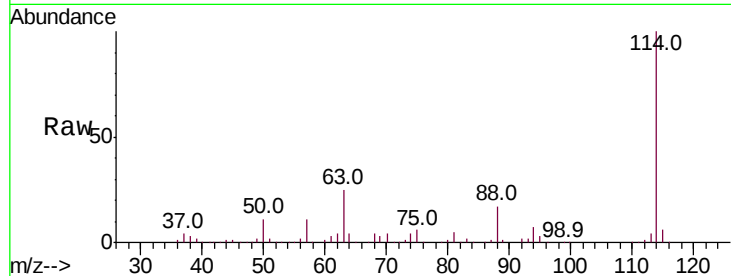
Tot Ion:114 Resp: 357478

Ion Ratio Lower Upper

114 100

63 25.4 0.0 49.2

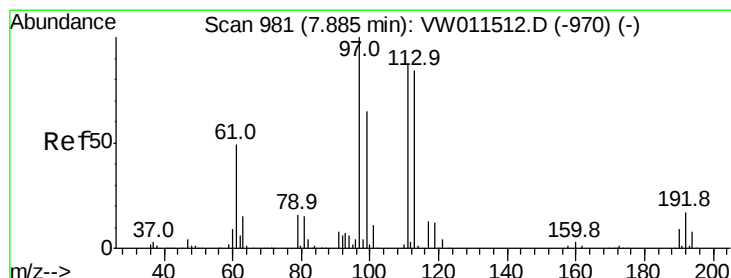
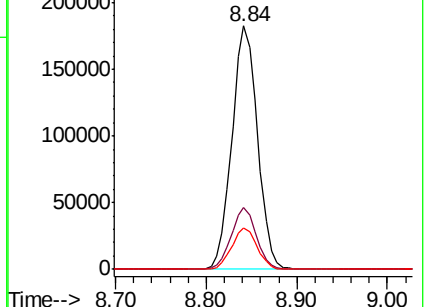
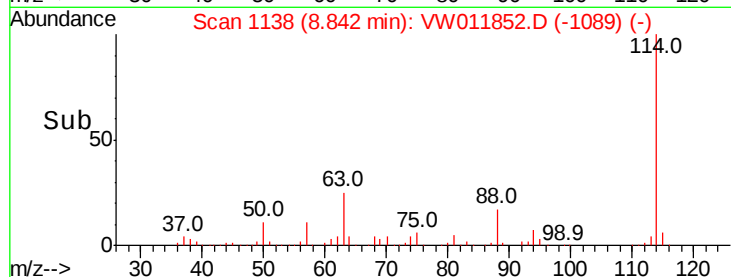
88 17.1 0.0 33.8



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: 55.187 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011852.D

Acq: 12 Aug 2019 15:15

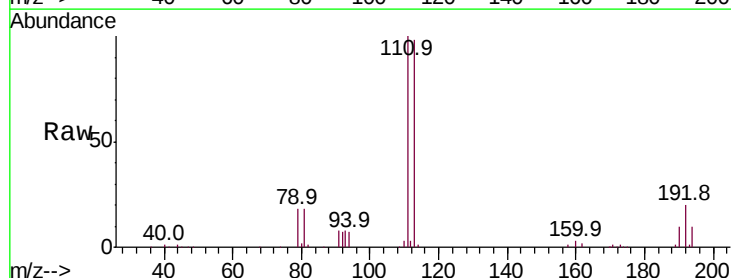
Tgt Ion:113 Resp: 110679

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

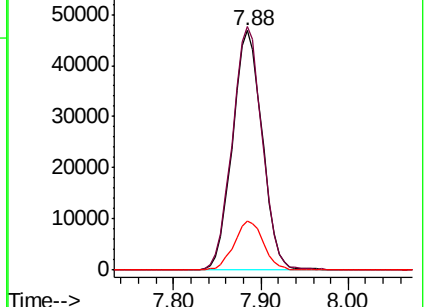
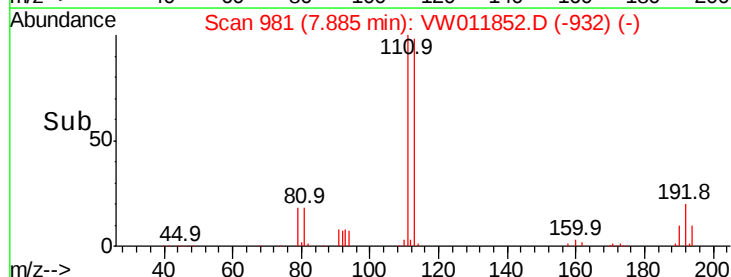
192 20.3 16.1 24.1

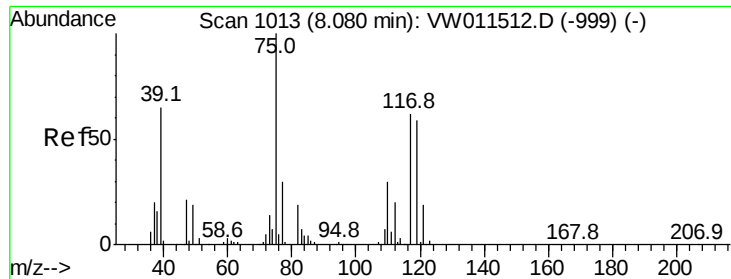


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

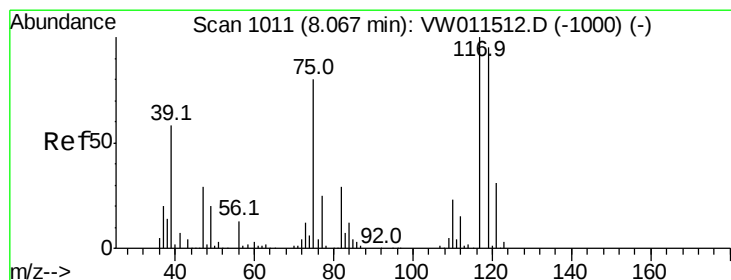
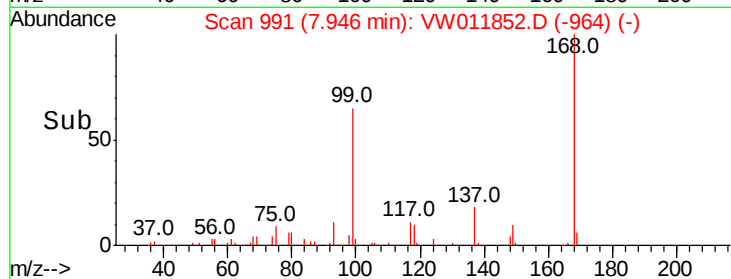
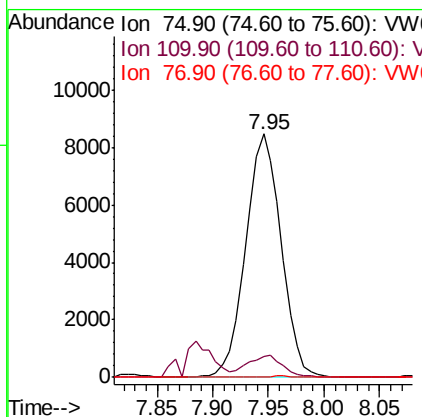
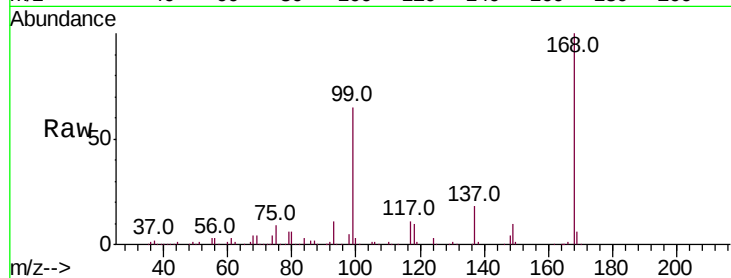




#36
 1,1-Dichloropropene
 Concen: 5.060 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011852.D
 Acq: 12 Aug 2019 15:15

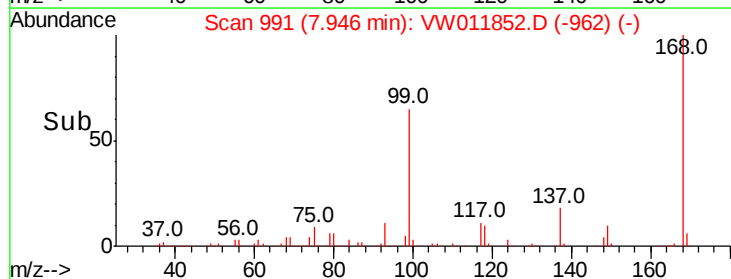
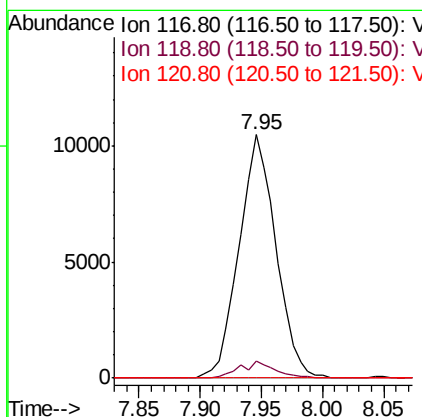
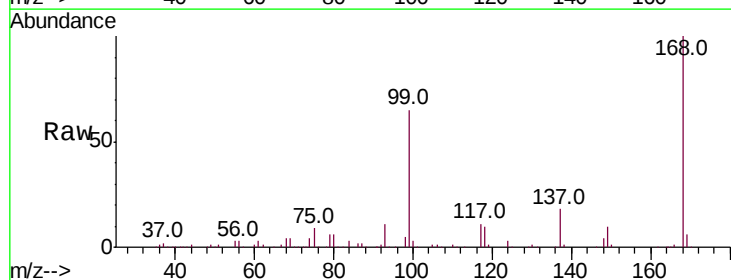
Instrument :
 MSVOA_W
 ClientSampleId :

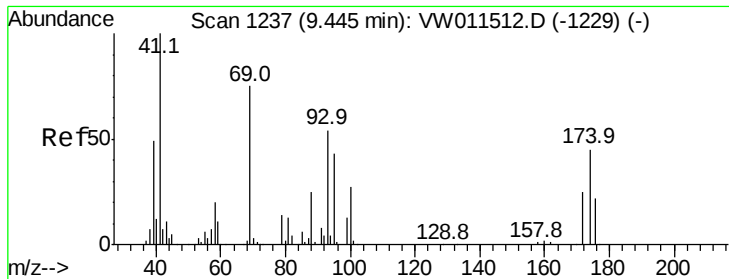
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	15.6	46.8#
77	0.2	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.885 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011852.D
 Acq: 12 Aug 2019 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	75.8	113.6#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 1.141 ug/l

RT: 9.26 min Scan# 1206

Delta R.T. -0.19 min

Lab File: VW011852.D

Acq: 12 Aug 2019 15:15

Instrument :

MSVOA_W

ClientSampleId :

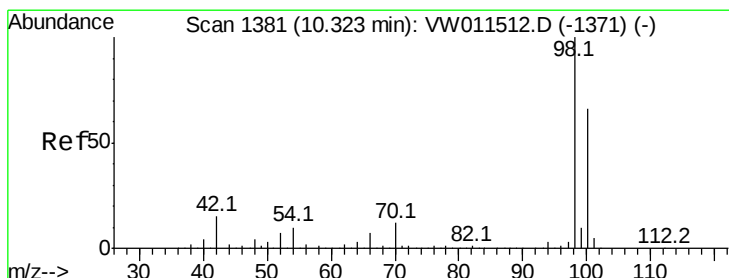
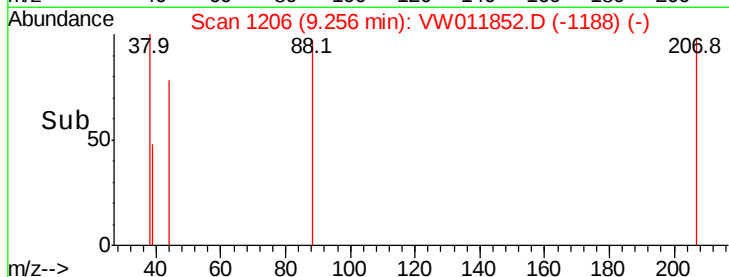
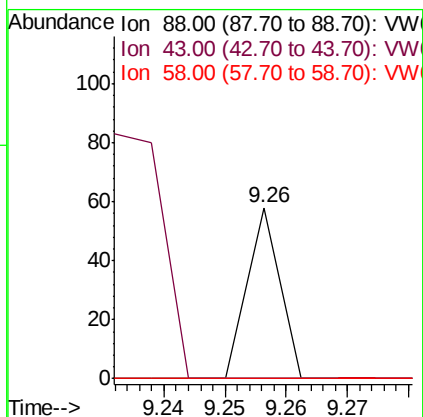
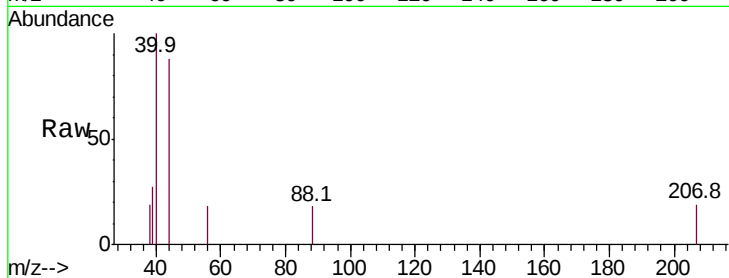
Tot Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

58 0.0 69.7 104.5#



#50

Toluene-d8

Concen: 53.439 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011852.D

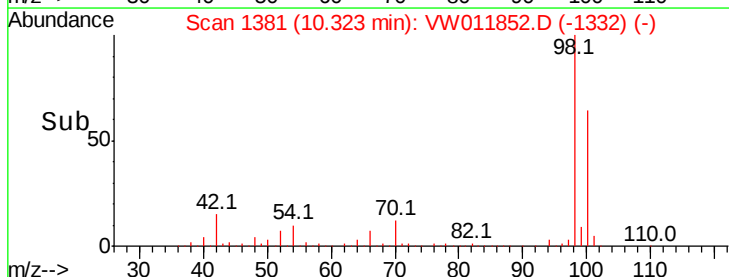
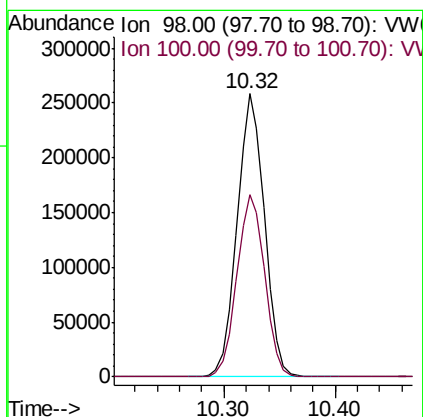
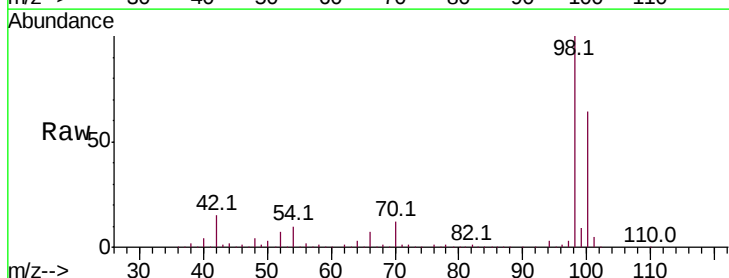
Acq: 12 Aug 2019 15:15

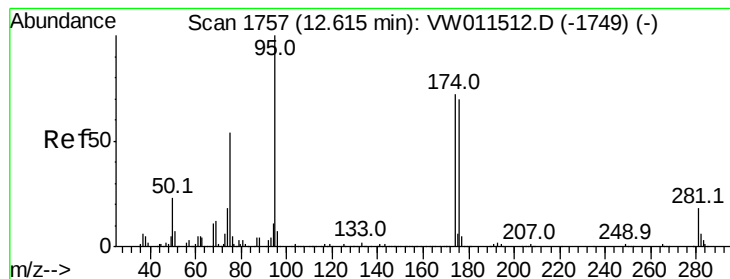
Tgt Ion: 98 Resp: 438797

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 46.386 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011852.D

Acq: 12 Aug 2019 15:15

Instrument :

MSVOA_W

ClientSampled :

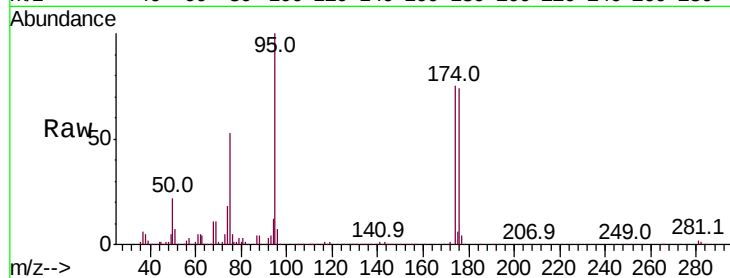
Tot Ion: 95 Resp: 135791

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

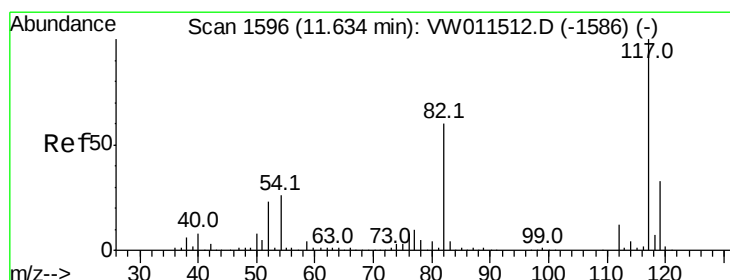
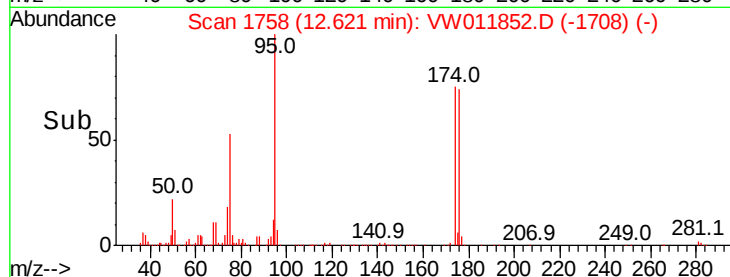
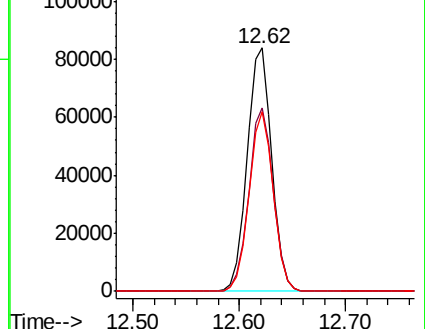
176 72.6 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW011852.D

Acq: 12 Aug 2019 15:15

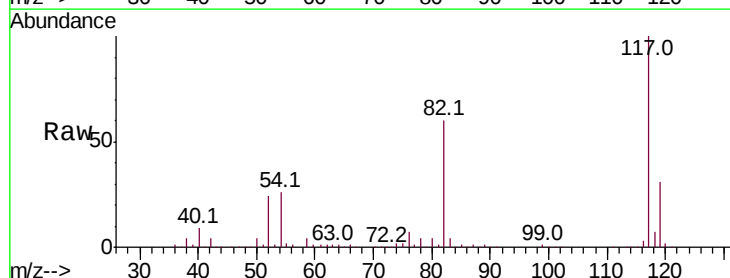
Tgt Ion: 117 Resp: 292068

Ion Ratio Lower Upper

117 100

82 60.0 47.9 71.9

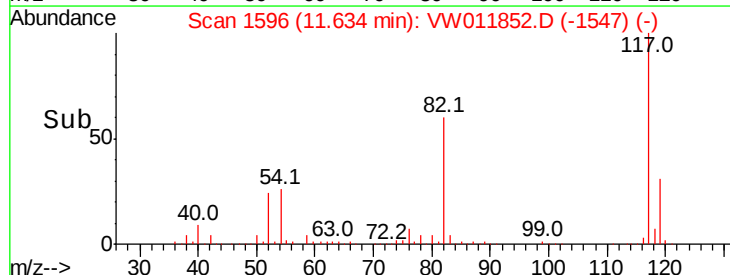
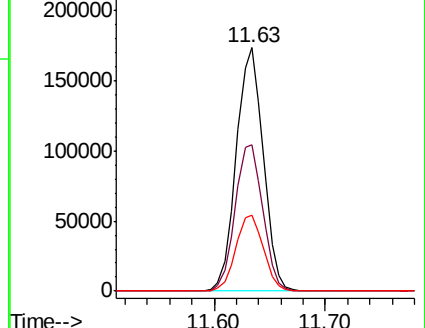
119 31.2 26.2 39.2

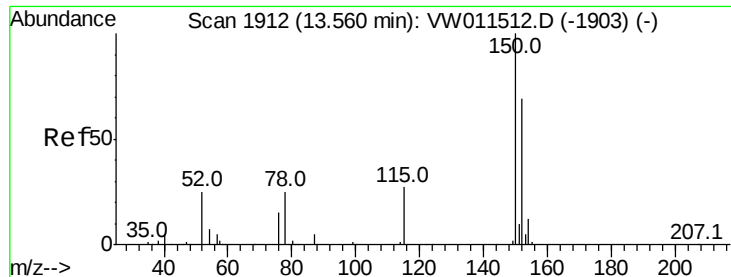


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011852.D

Acq: 12 Aug 2019 15:15

Instrument :

MSVOA_W

ClientSampleId :

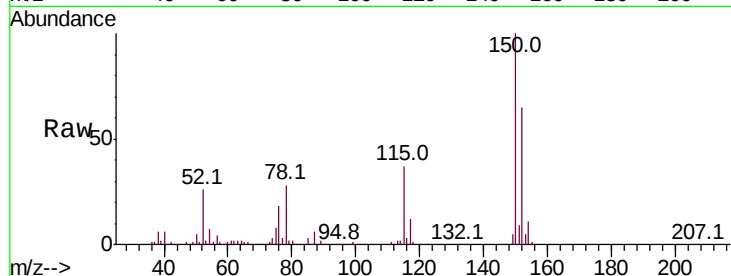
Tot Ion:152 Resp: 115034

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

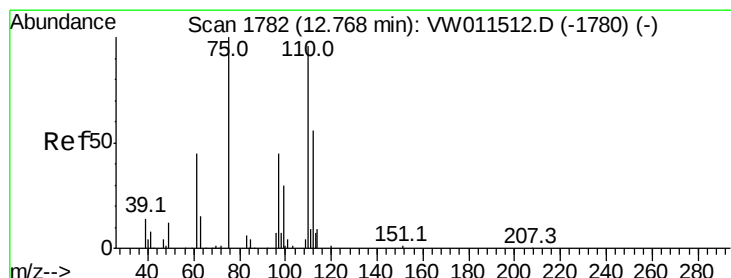
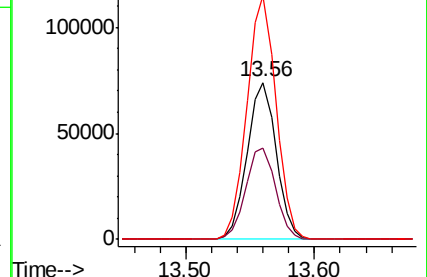
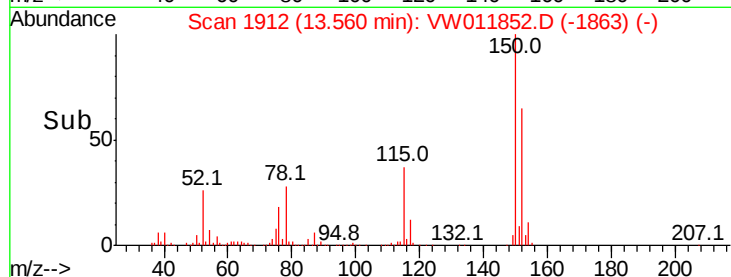
150 155.0 0.0 352.6



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: 59.479 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011852.D

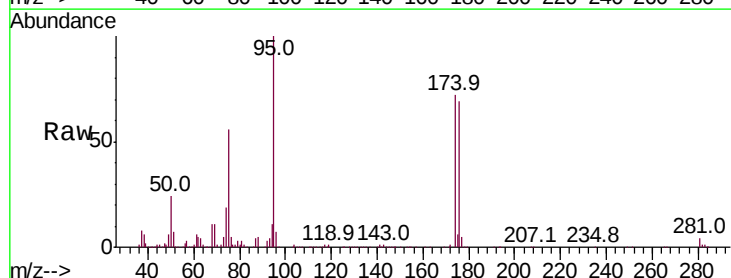
Acq: 12 Aug 2019 15:15

Tgt Ion: 75 Resp: 72397

Ion Ratio Lower Upper

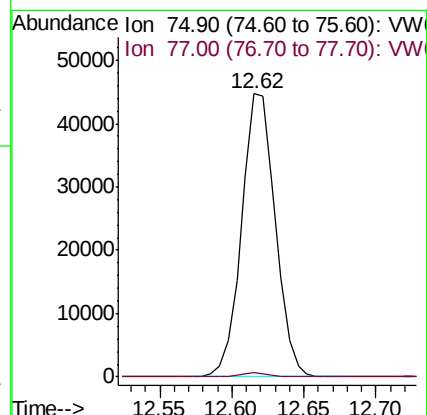
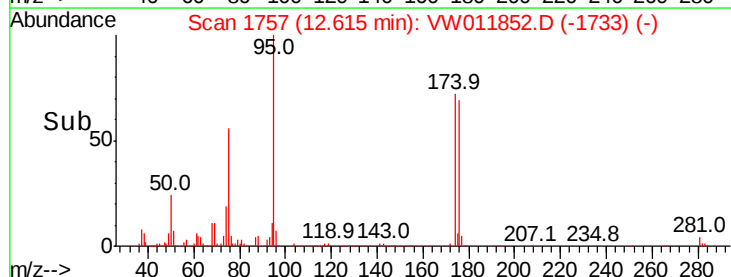
75 100

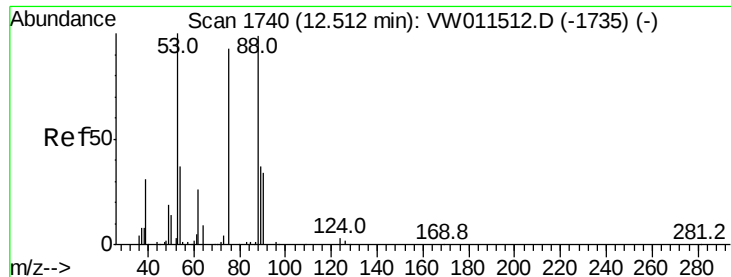
77 1.3 0.0 0.0#



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: 137.078 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011852.D

Acq: 12 Aug 2019 15:15

Instrument :

MSVOA_W

ClientSampled :

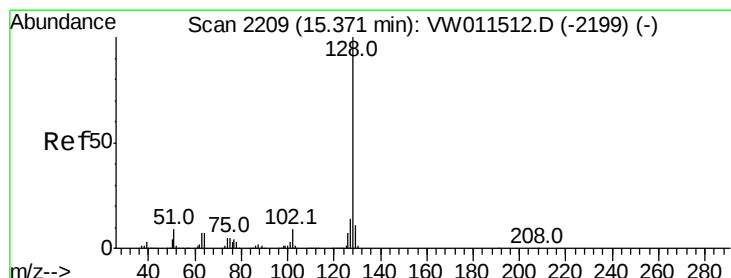
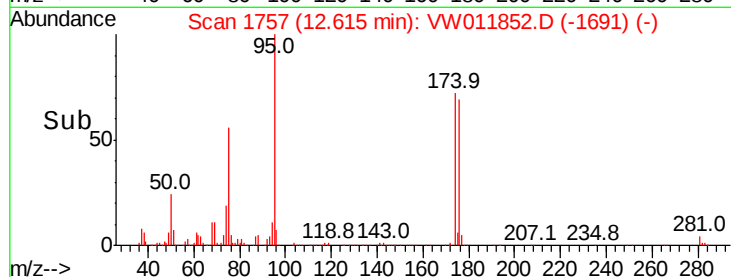
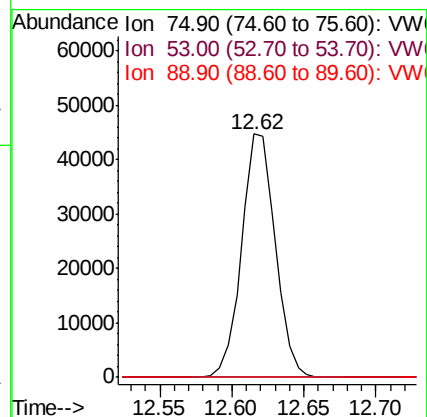
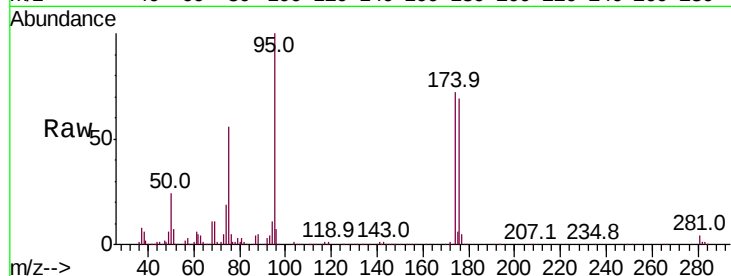
Tot Ion: 75 Resp: 72397

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.132 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011852.D

Acq: 12 Aug 2019 15:15

Tgt Ion: 128 Resp: 315

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 8.3 8.6 13.0#

