

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080819\
 Data File : VW011758.D
 Acq On : 07 Aug 2019 18:13
 Operator : SY/VA
 Sample : K4219-07
 Misc : 5.61G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 355-35-76

Quant Time: Aug 08 08:42:18 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	202566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	279739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110328	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	133408	57.35	ug/l	0.00
Spiked Amount			Recovery	=	114.70%	
35) Dibromofluoromethane	7.88	113	105122	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
50) Toluene-d8	10.32	98	415047	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
62) 4-Bromofluorobenzene	12.62	95	128257	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	

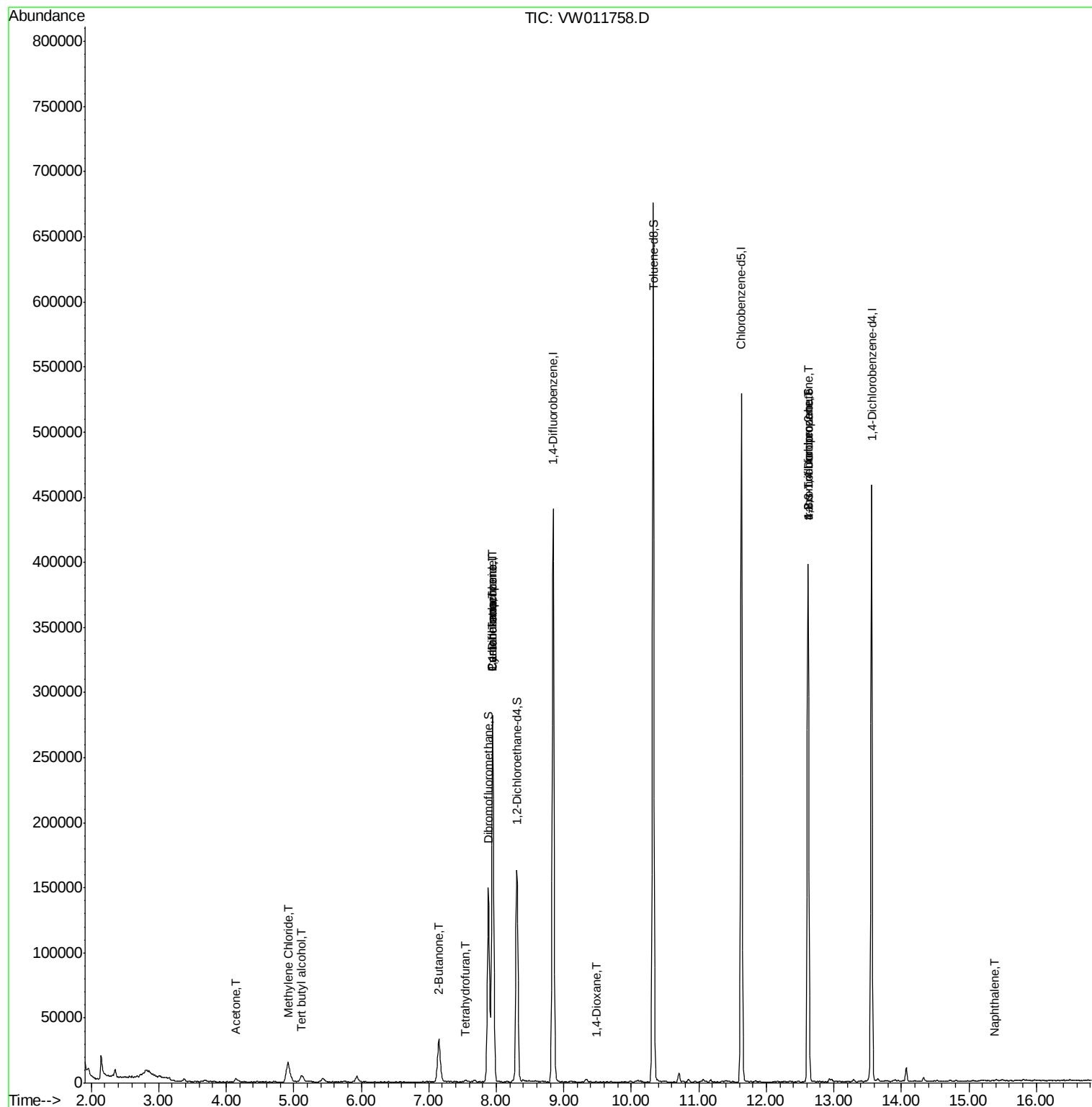
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	4794	10.872	ug/l #	77
16) Acetone	4.15	43	4920	6.650	ug/l	89
20) Methylene Chloride	4.92	84	10801	4.233	ug/l	96
25) 2-Butanone	7.15	43	2246	2.320	ug/l #	80
29) Tetrahydrofuran	7.54	42	1194	2.157	ug/l	89
31) Cyclohexane	7.95	56	5592	1.286	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18424	5.217	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20379	6.741	ug/l #	17
49) 1,4-Dioxane	9.49	88	19	1.086	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	69607	59.626	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69607	137.417	ug/l #	6
95) Naphthalene	15.38	128	91	2.086	ug/l #	69

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

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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: VW011758.D

Acq: 07 Aug 2019 18:13

Instrument :

MSVOA_W

ClientSampled :

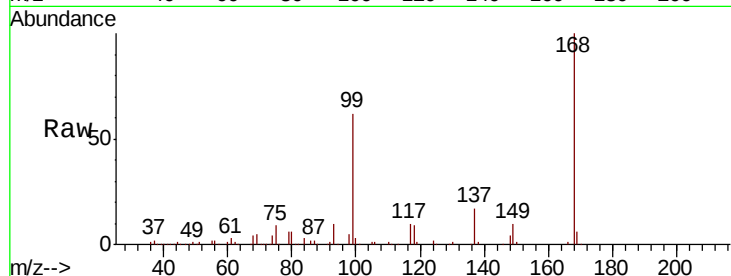
355-35-76

Tgt Ion:168 Resp: 202566

Ion Ratio Lower Upper

168 100

99 62.0 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

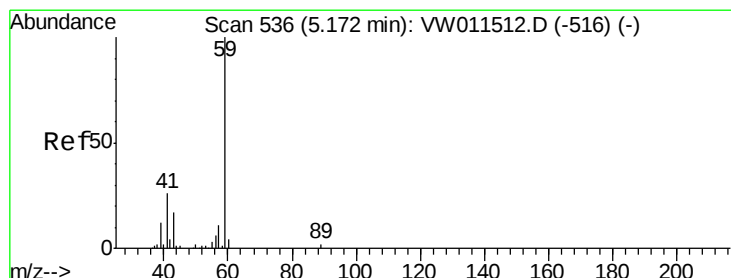
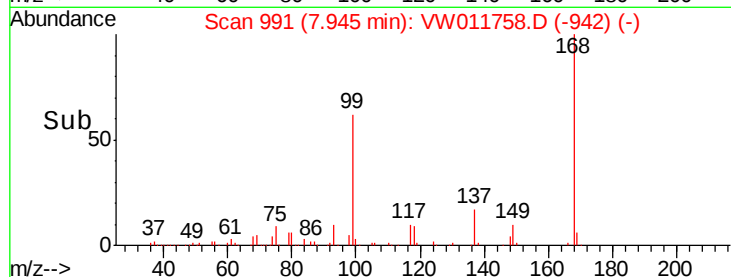
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 10.872 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.06 min

Lab File: VW011758.D

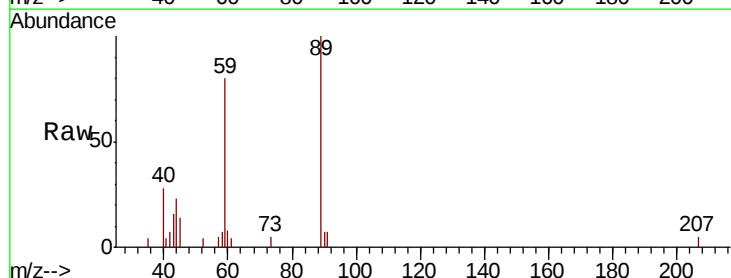
Acq: 07 Aug 2019 18:13

Tgt Ion: 59 Resp: 4794

Ion Ratio Lower Upper

59 100

57 1.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

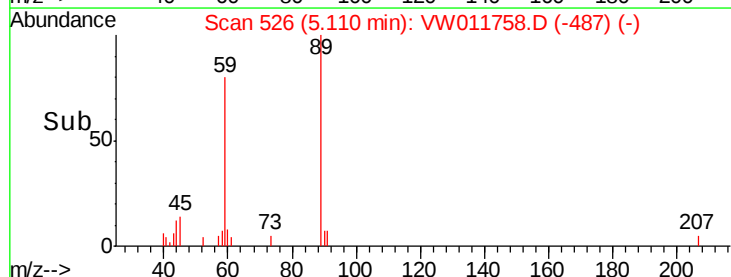
1500

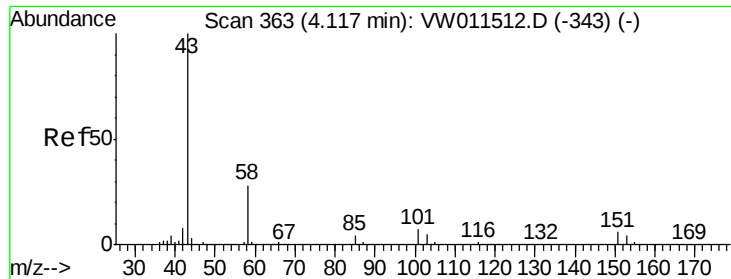
1000

500

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 6.650 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW011758.D

Acq: 07 Aug 2019 18:13

Instrument :

MSVOA_W

ClientSampleId :

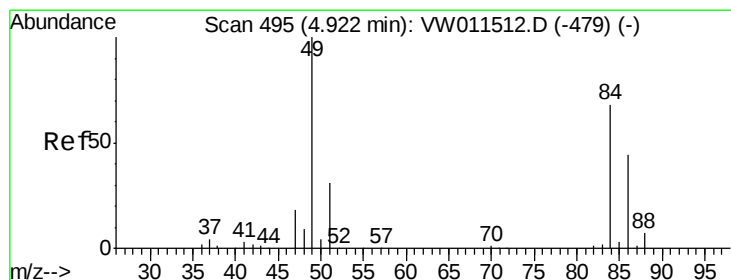
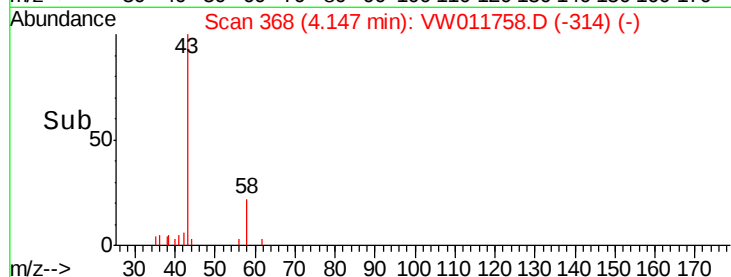
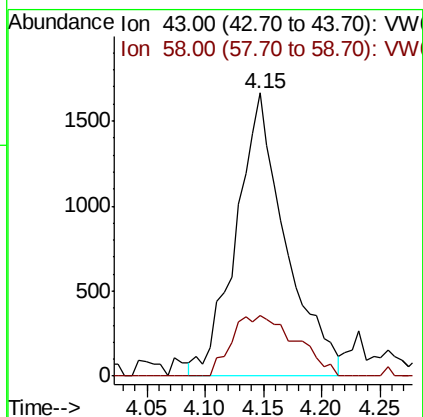
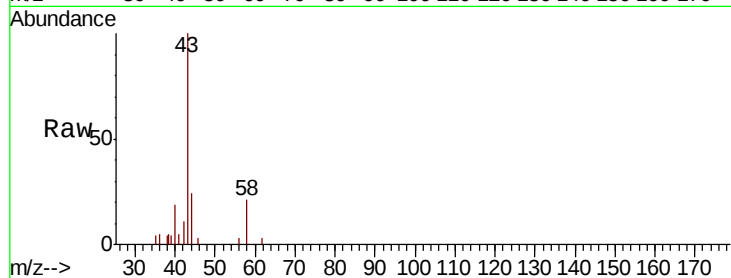
355-35-76

Tgt Ion: 43 Resp: 4920

Ion Ratio Lower Upper

43 100

58 22.4 22.3 33.5



#20

Methylene Chloride

Concen: 4.233 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011758.D

Acq: 07 Aug 2019 18:13

Tgt Ion: 84 Resp: 10801

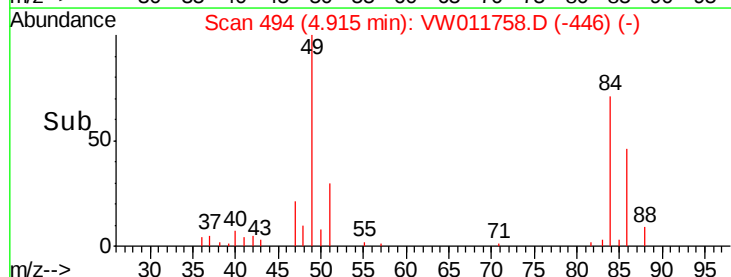
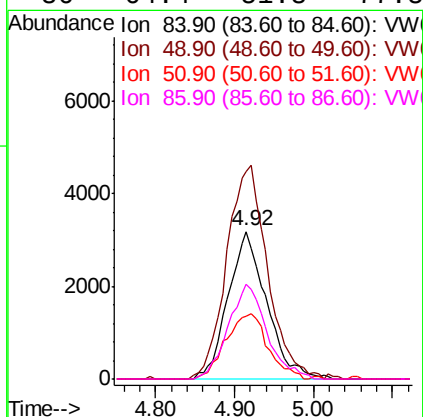
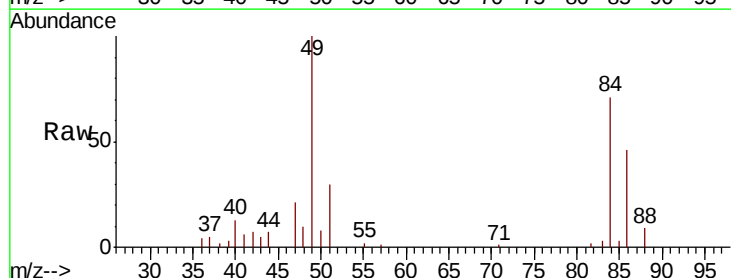
Ion Ratio Lower Upper

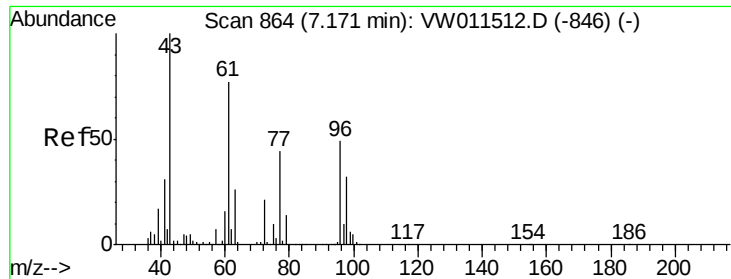
84 100

49 140.5 117.8 176.6

51 42.5 37.0 55.4

86 64.4 51.8 77.8





#25

2-Butanone

Concen: 2.320 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW011758.D

Acq: 07 Aug 2019 18:13

Instrument :

MSVOA_W

ClientSampled :

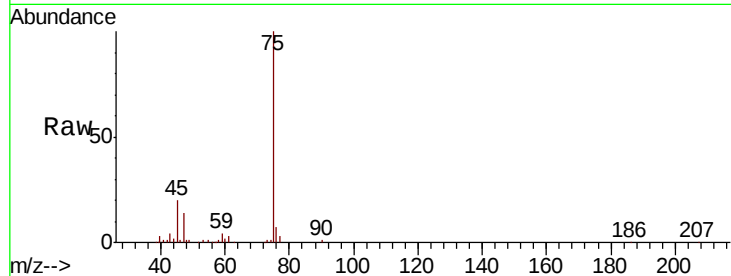
355-35-76

Tgt Ion: 43 Resp: 2246

Ion Ratio Lower Upper

43 100

72 11.3 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

800

600

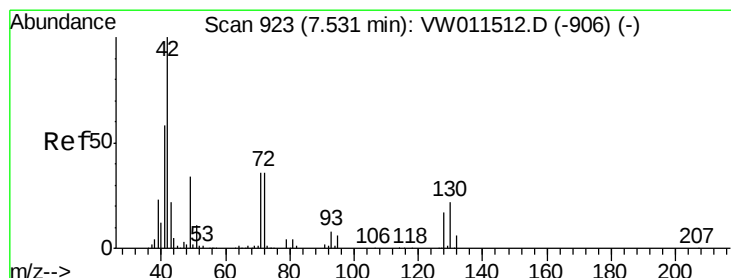
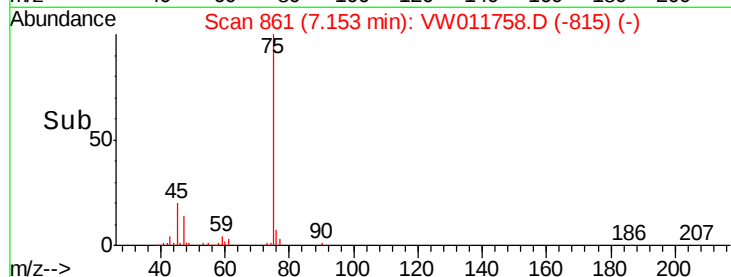
400

200

0

7.05 7.10 7.15 7.20

Time-->



#29

Tetrahydrofuran

Concen: 2.157 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011758.D

Acq: 07 Aug 2019 18:13

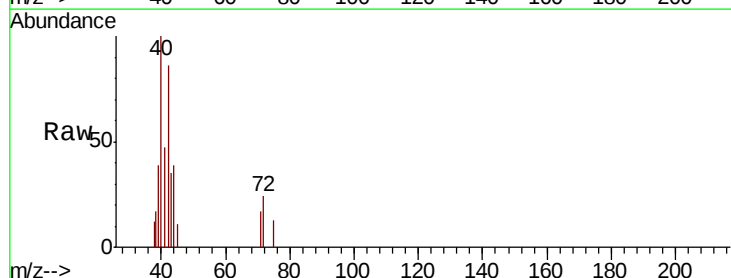
Tgt Ion: 42 Resp: 1194

Ion Ratio Lower Upper

42 100

72 27.2 27.1 40.7

71 26.6 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

600

500

400

300

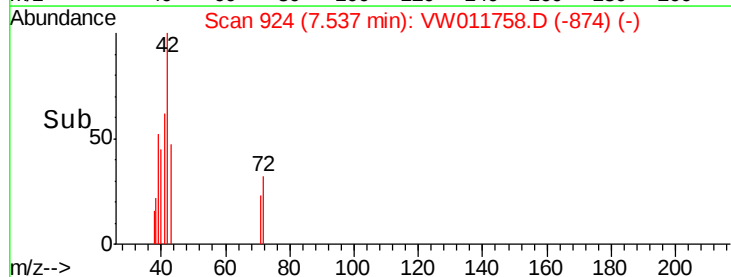
200

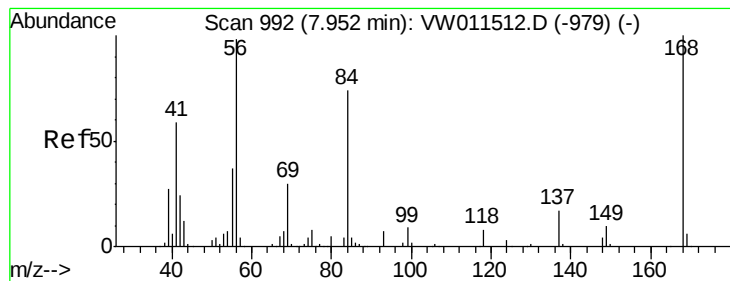
100

0

7.45 7.50 7.55 7.60

Time-->





#31

Cyclohexane

Concen: 1.286 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011758.D

Acq: 07 Aug 2019 18:13

Instrument :

MSVOA_W

ClientSampled :

355-35-76

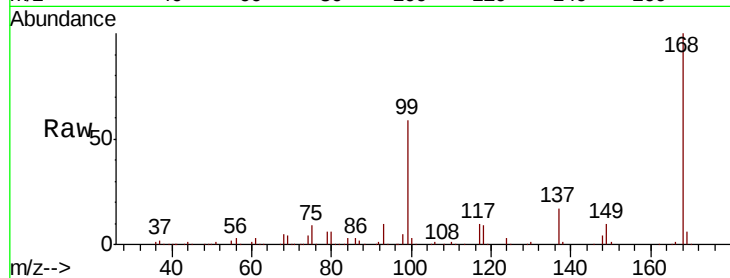
Tgt Ion: 56 Resp: 5592

Ion Ratio Lower Upper

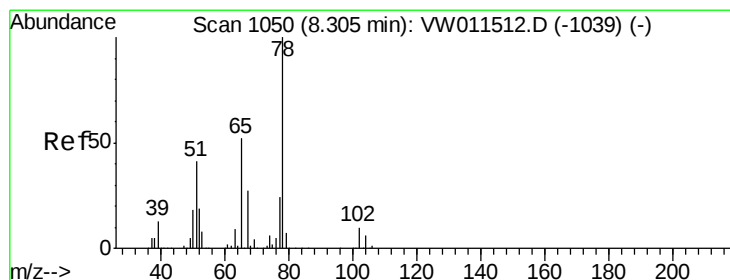
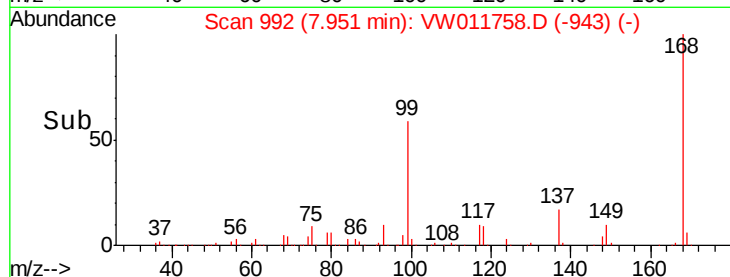
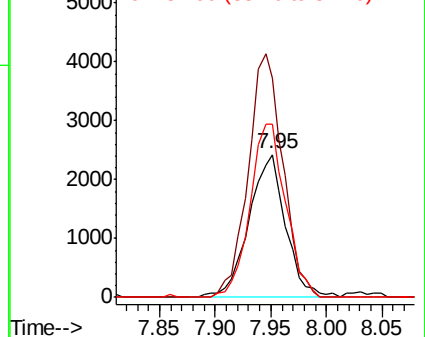
56 100

69 153.4 24.3 36.5#

84 121.3 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: 57.355 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011758.D

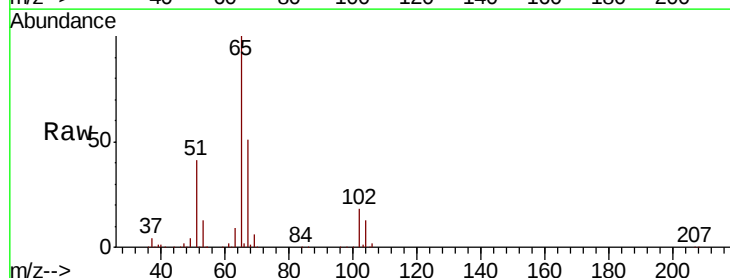
Acq: 07 Aug 2019 18:13

Tgt Ion: 65 Resp: 133408

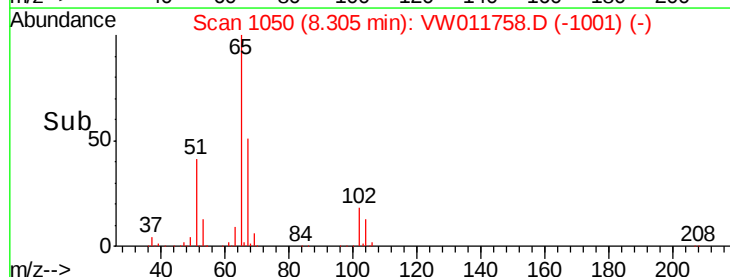
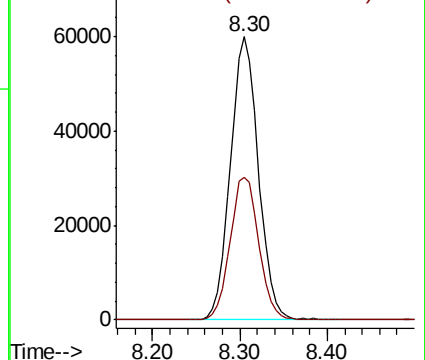
Ion Ratio Lower Upper

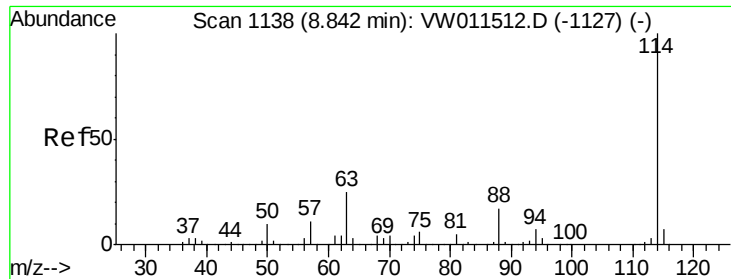
65 100

67 51.7 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

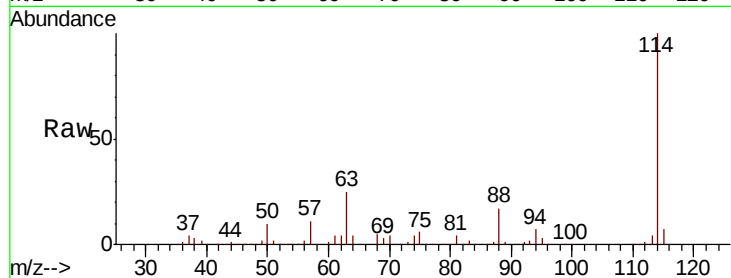




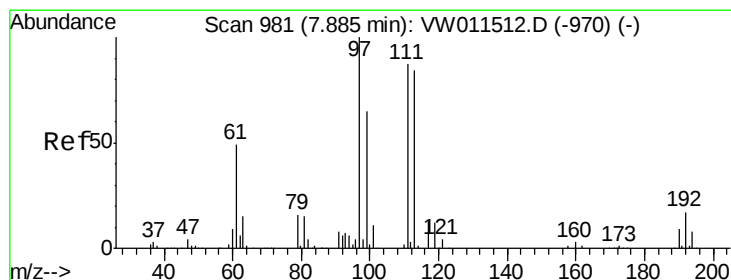
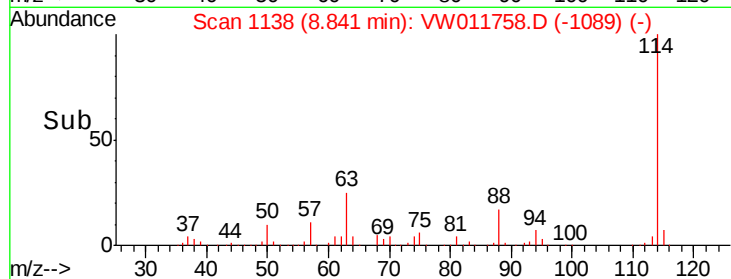
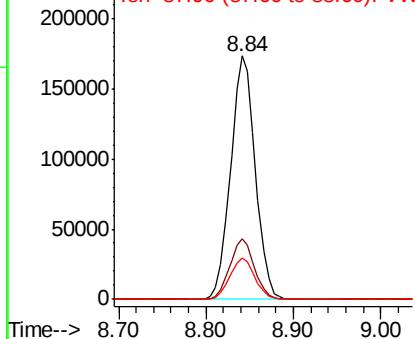
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011758.D
 Acq: 07 Aug 2019 18:13

Instrument :
 MSVOA_W
 ClientSampleId :
 355-35-76

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	49.2
88	17.0	0.0	33.8

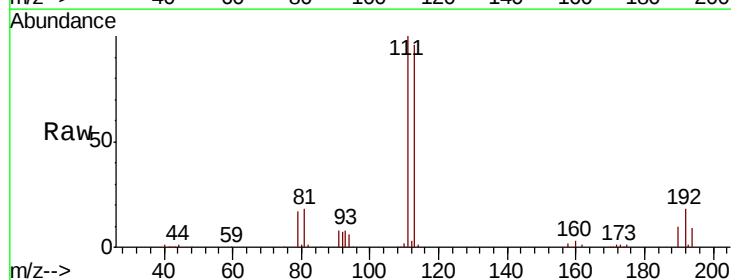


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

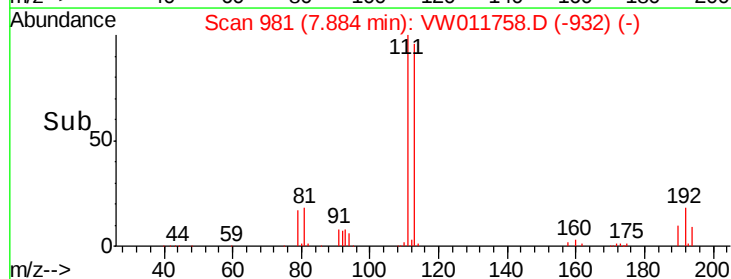
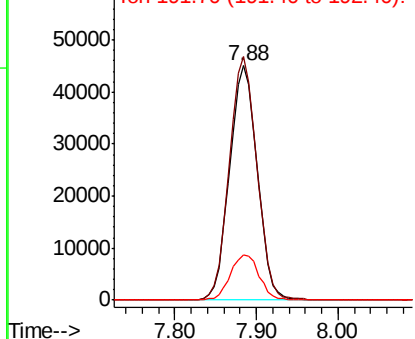


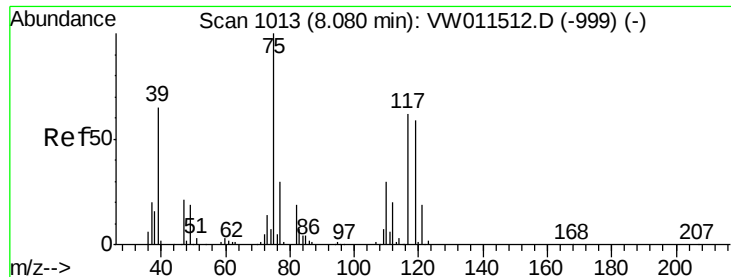
#35
 Dibromofluoromethane
 Concen: 55.173 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011758.D
 Acq: 07 Aug 2019 18:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.7	124.1
192	20.0	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

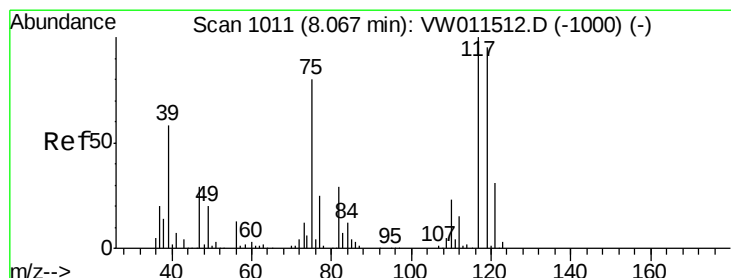
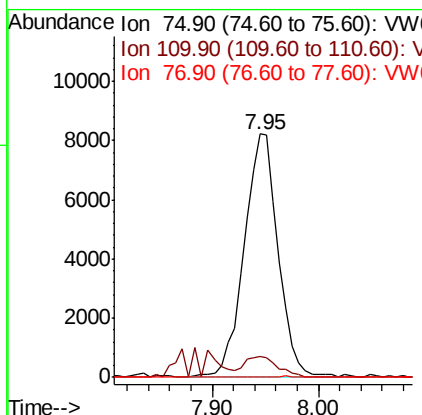
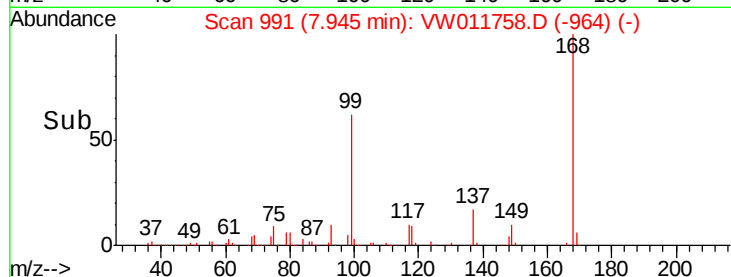
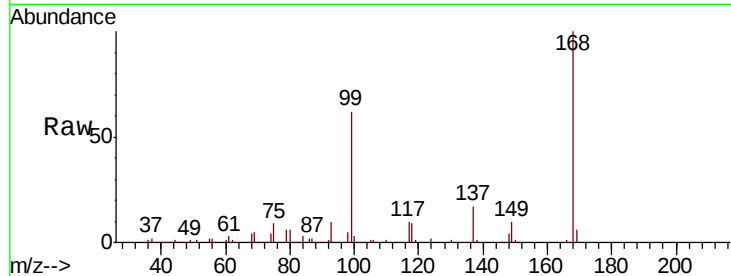




#36
 1,1-Dichloropropene
 Concen: 5.217 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011758.D
 Acq: 07 Aug 2019 18:13

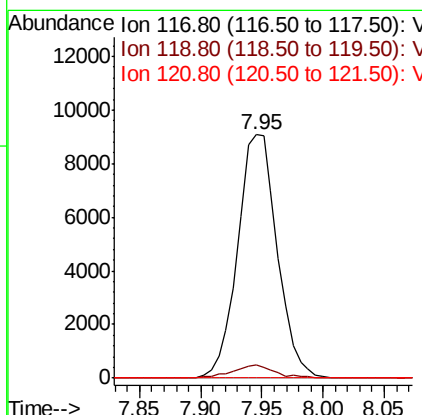
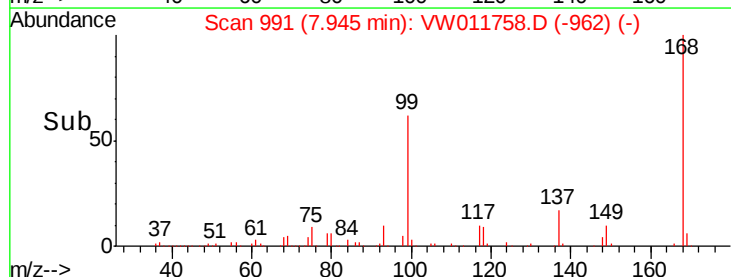
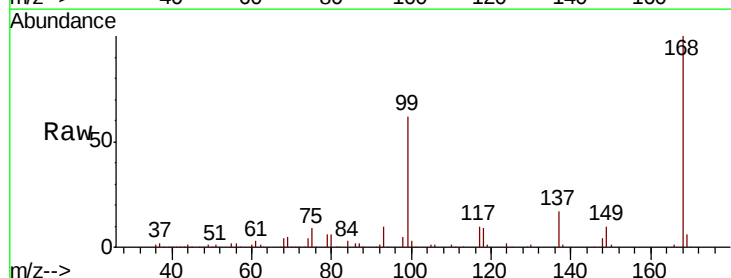
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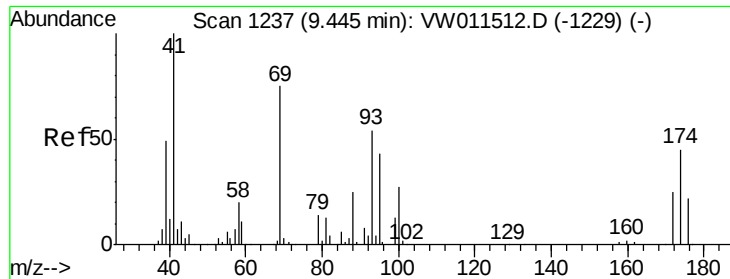
Tgt Ion: 75 Resp: 18424
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.741 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011758.D
 Acq: 07 Aug 2019 18:13

Tgt Ion: 117 Resp: 20379
 Ion Ratio Lower Upper
 117 100
 119 5.7 75.8 113.6#
 121 0.0 24.7 37.1#

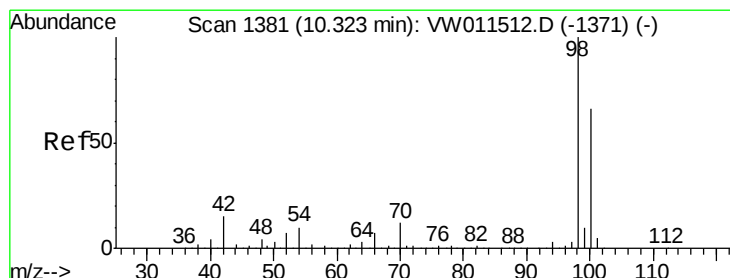
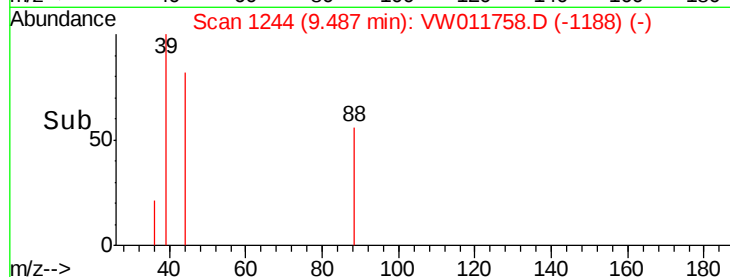
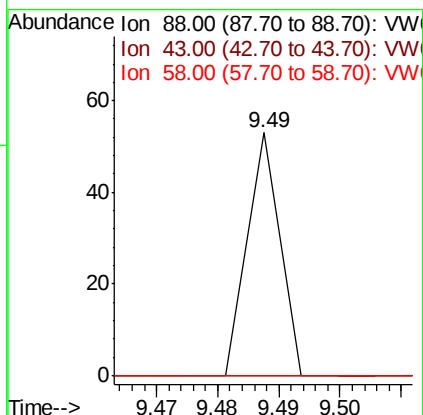
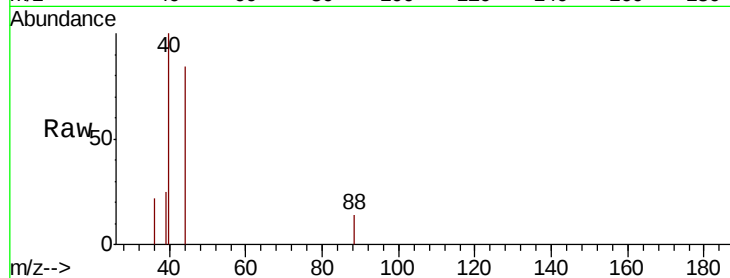




#49
1,4-Dioxane
Concen: 1.086 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.04 min
Lab File: VW011758.D
Acq: 07 Aug 2019 18:13

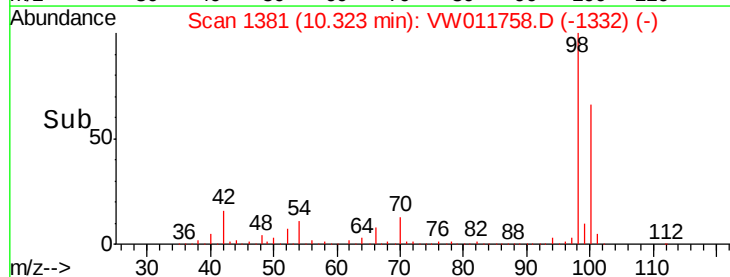
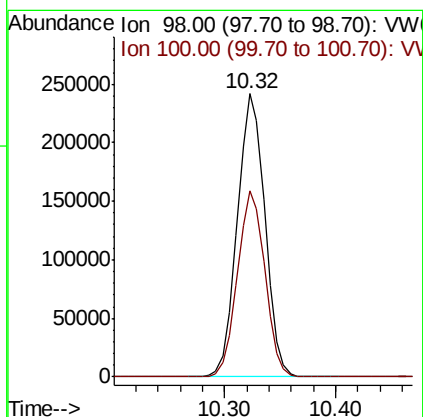
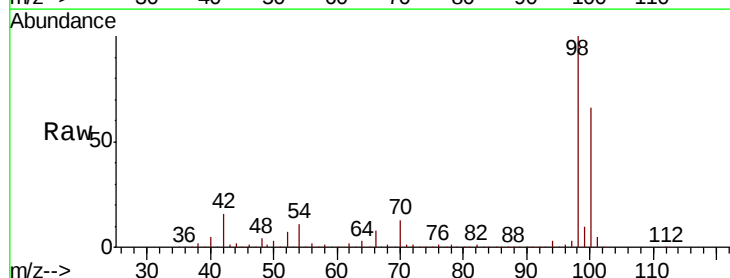
Instrument :
MSVOA_W
ClientSampleId :
355-35-76

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 34.0 51.0#
58 0.0 69.7 104.5#



#50
Toluene-d8
Concen: 53.205 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011758.D
Acq: 07 Aug 2019 18:13

Tgt Ion: 98 Resp: 415047
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 46.116 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011758.D

Acq: 07 Aug 2019 18:13

Instrument :

MSVOA_W

ClientSampleId :

355-35-76

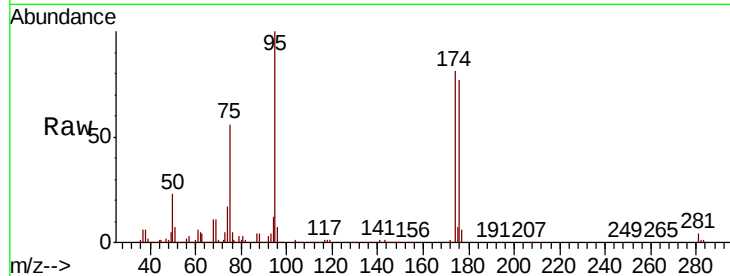
Tgt Ion: 95 Resp: 128257

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

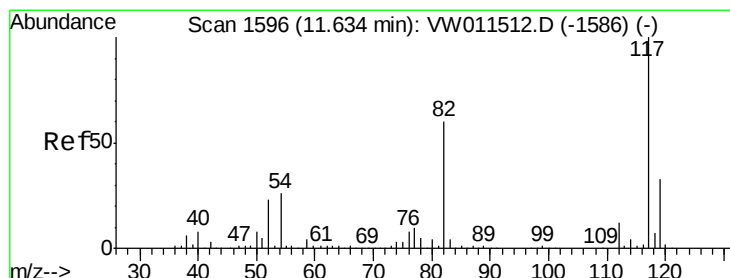
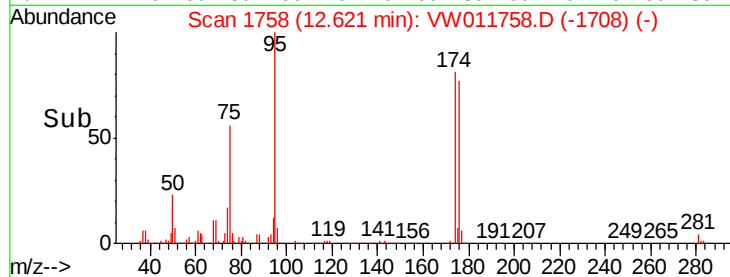
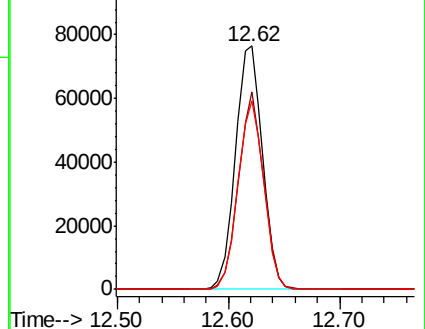
176 73.9 0.0 144.4



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: VW011758.D

Acq: 07 Aug 2019 18:13

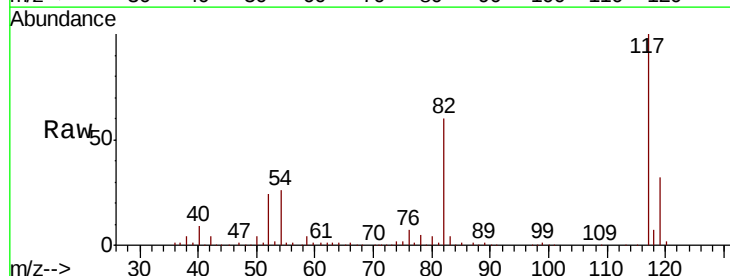
Tgt Ion: 117 Resp: 279739

Ion Ratio Lower Upper

117 100

82 59.6 47.9 71.9

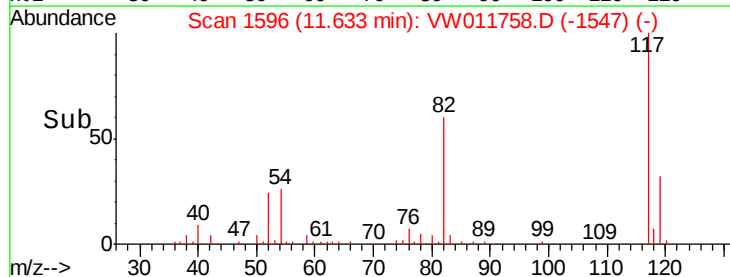
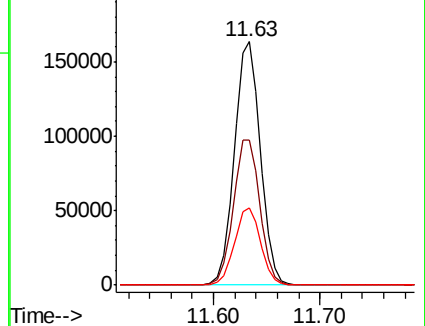
119 31.6 26.2 39.2



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



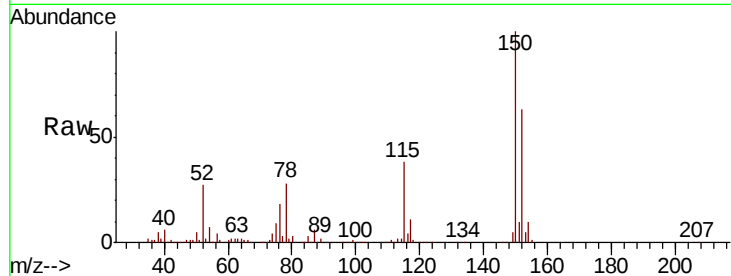


#72

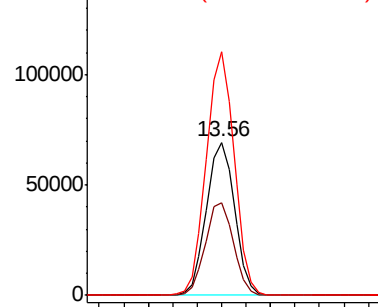
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011758.D
Acq: 07 Aug 2019 18:13

Instrument :
MSVOA_W
ClientSampled :
355-35-76

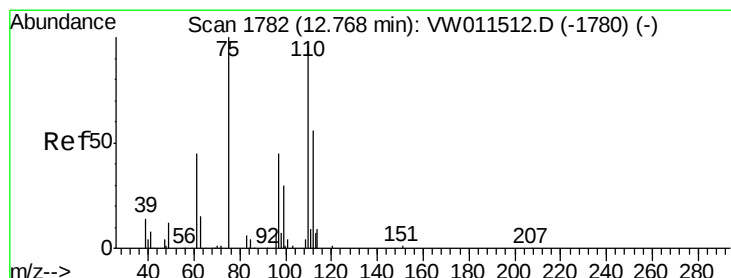
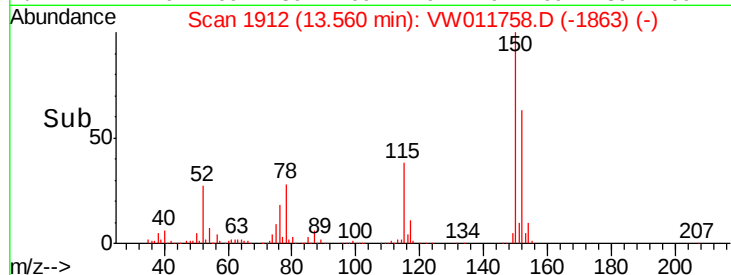
Tgt Ion:152 Resp: 110328
Ion Ratio Lower Upper
152 100
115 60.4 30.5 91.5
150 157.6 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V
150000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



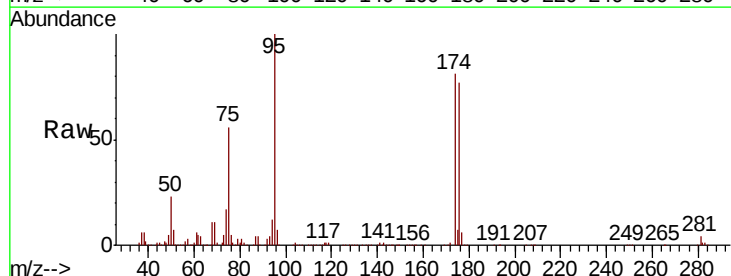
Time-->



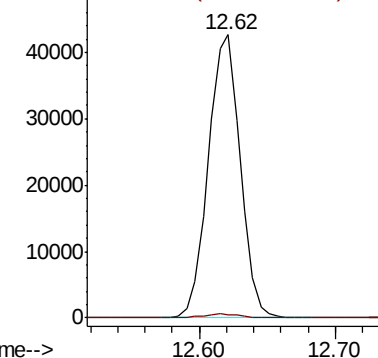
#76

1,2,3-Trichloropropane
Concen: 59.626 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW011758.D
Acq: 07 Aug 2019 18:13

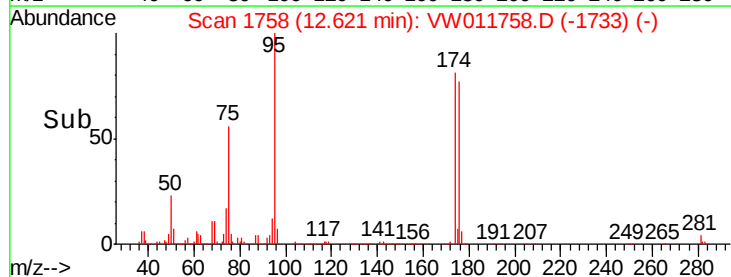
Tgt Ion: 75 Resp: 69607
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

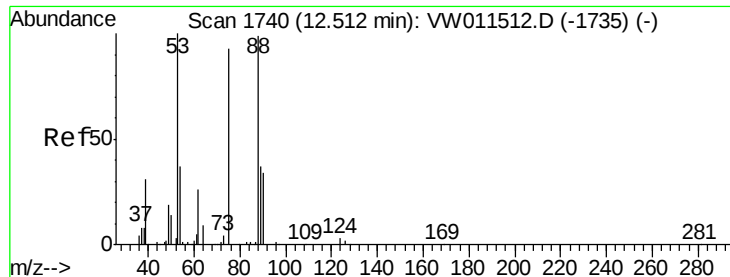


Abundance Ion 74.90 (74.60 to 75.60): VW
50000 Ion 77.00 (76.70 to 77.70): VW



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 137.417 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011758.D

Acq: 07 Aug 2019 18:13

Instrument :

MSVOA_W

ClientSampled :

355-35-76

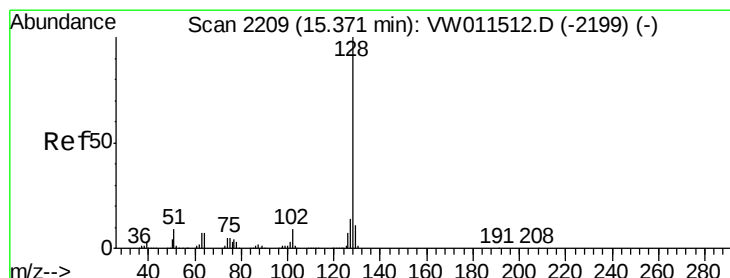
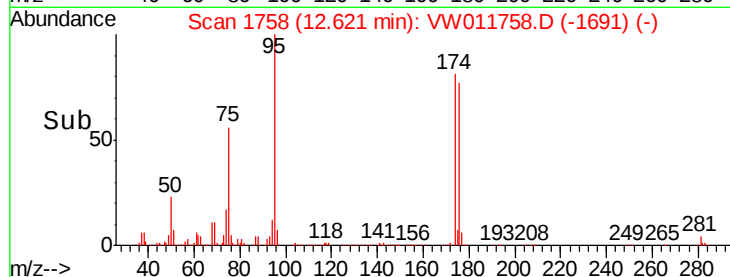
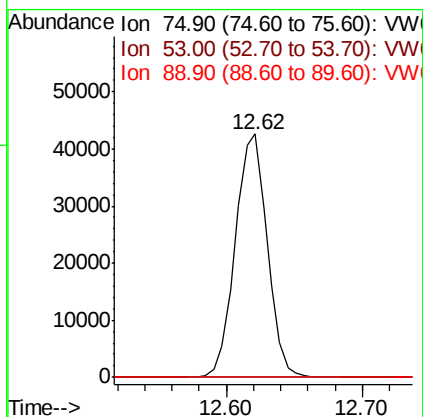
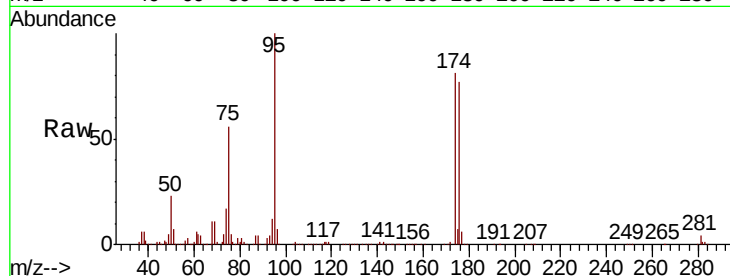
Tgt Ion: 75 Resp: 69607

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.2 35.3 52.9#



#95

Naphthalene

Concen: 2.086 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011758.D

Acq: 07 Aug 2019 18:13

Tgt Ion: 128 Resp: 91

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

