

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011698.D
 Acq On : 04 Aug 2019 07:17
 Operator : SY/VA
 Sample : K4156-10
 Misc : 5.11G/5ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT3456

Quant Time: Aug 05 01:08:50 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	235535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	394551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	162178	59.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.92%	
35) Dibromofluoromethane	7.88	113	124418	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
50) Toluene-d8	10.32	98	512345	56.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.06%	
62) 4-Bromofluorobenzene	12.62	95	168383	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	

Target Compounds

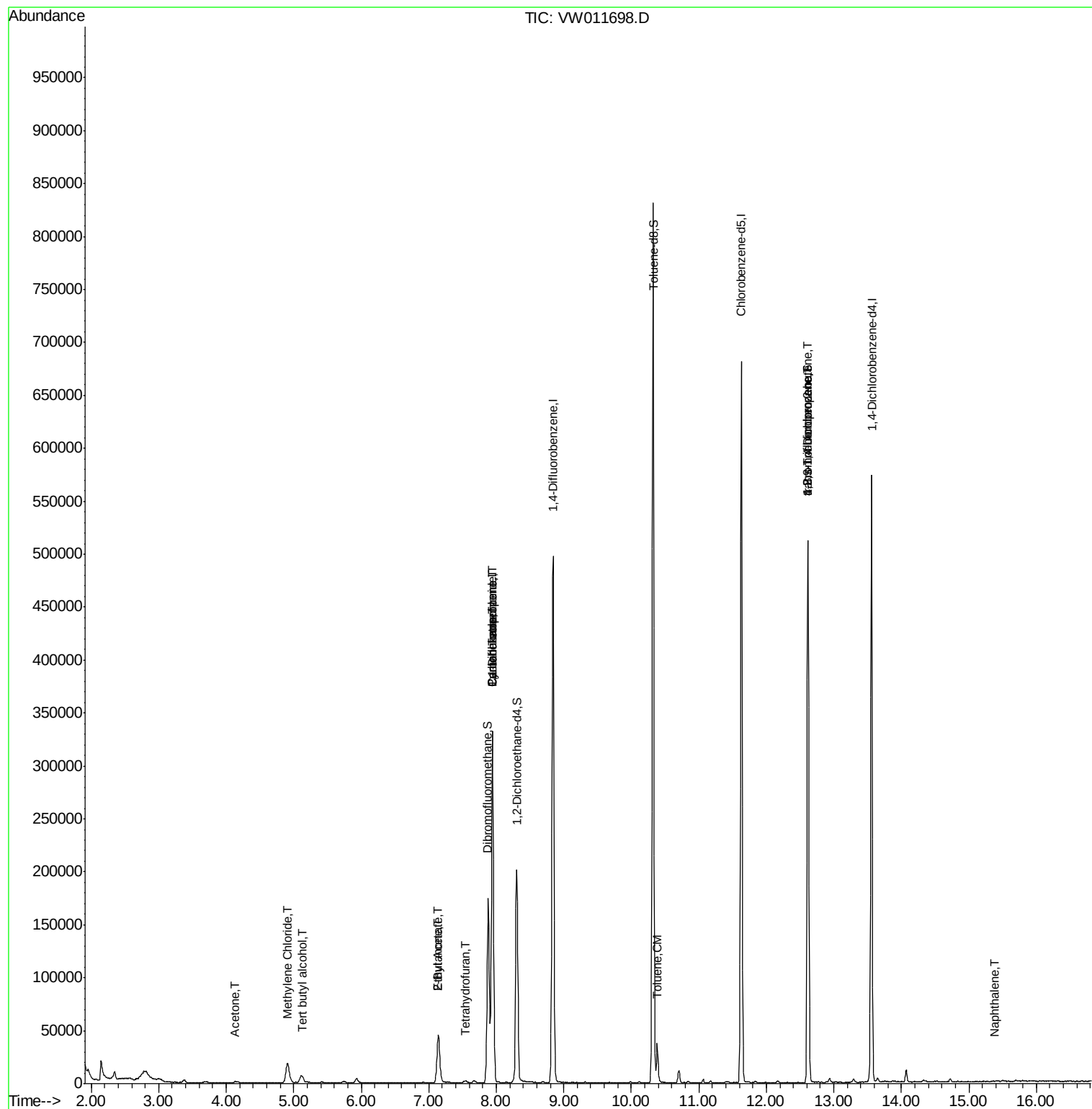
						Qvalue
11) Tert butyl alcohol	5.13	59	7027	18.709	ug/l #	73
16) Acetone	4.13	43	3261	3.790	ug/l #	88
20) Methylene Chloride	4.91	84	13047	4.397	ug/l	97
25) 2-Butanone	7.14	43	3165	2.811	ug/l #	81
29) Tetrahydrofuran	7.54	42	1656	2.573	ug/l	94
31) Cyclohexane	7.95	56	5944	1.175	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20846	5.081	ug/l #	52
37) Ethyl Acetate	7.14	43	3165	1.341	ug/l #	1
38) Carbon Tetrachloride	7.95	117	24469	6.967	ug/l #	16
52) Toluene	10.39	92	14597	2.103	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	89515	60.792	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89515	140.105	ug/l #	6
95) Naphthalene	15.37	128	298	2.118	ug/l #	86

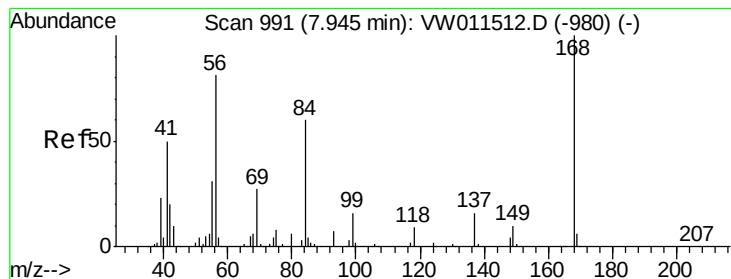
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011698.D

Acq: 04 Aug 2019 07:17

Instrument :

MSVOA_W

ClientSampleId :

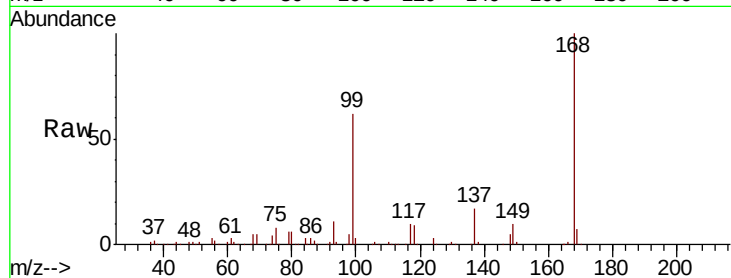
RT3456

Tot Ion:168 Resp: 235535

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

120000

100000

80000

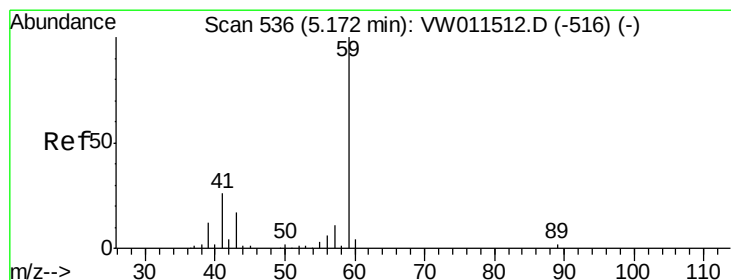
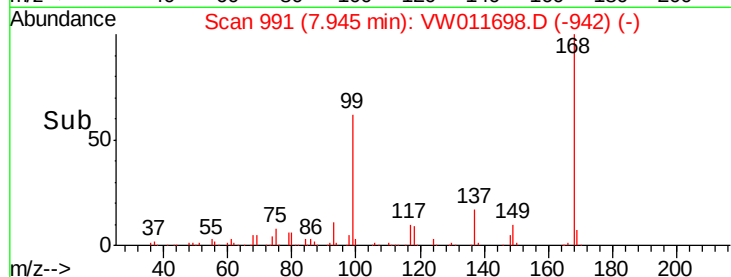
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 18.709 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW011698.D

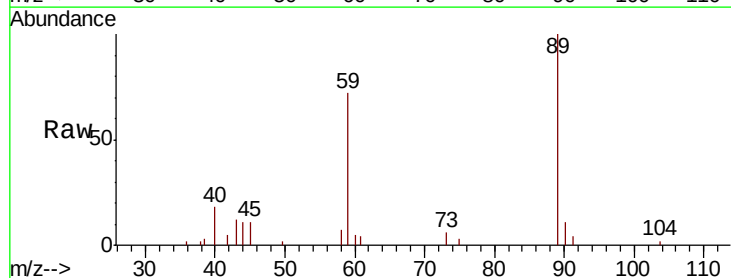
Acq: 04 Aug 2019 07:17

Tgt Ion: 59 Resp: 7027

Ion Ratio Lower Upper

59 100

57 0.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

2000

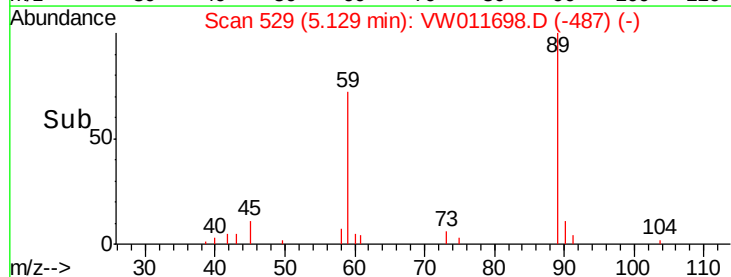
1500

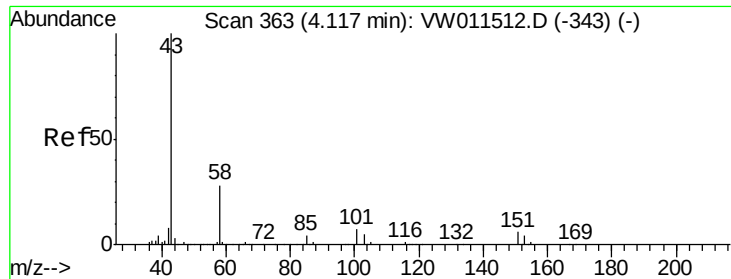
1000

500

0

Time-->





#16

Acetone

Concen: 3.790 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011698.D

Acq: 04 Aug 2019 07:17

Instrument :

MSVOA_W

ClientSampleId :

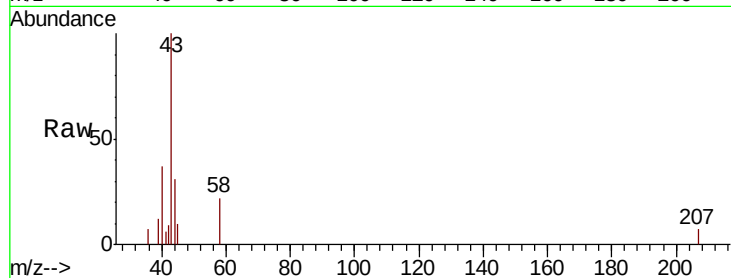
RT3456

Tot Ion: 43 Resp: 3261

Ion Ratio Lower Upper

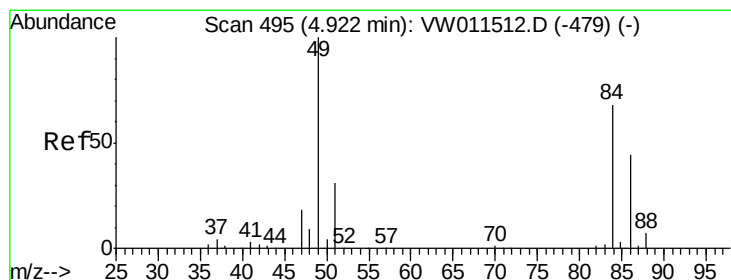
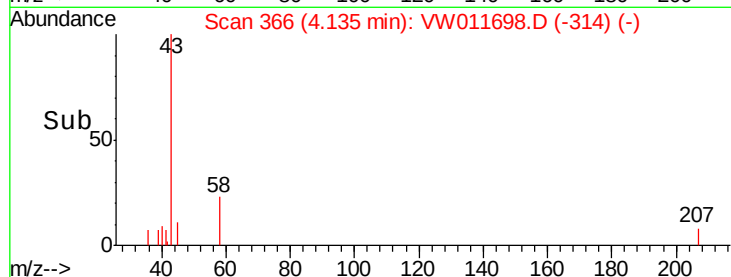
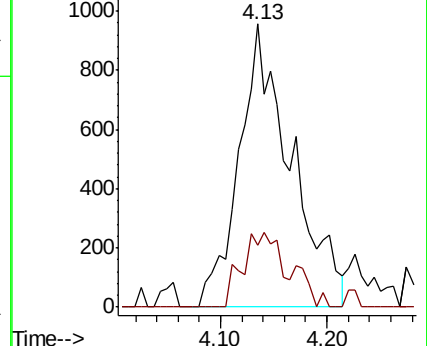
43 100

58 21.8 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: 4.397 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011698.D

Acq: 04 Aug 2019 07:17

Tgt Ion: 84 Resp: 13047

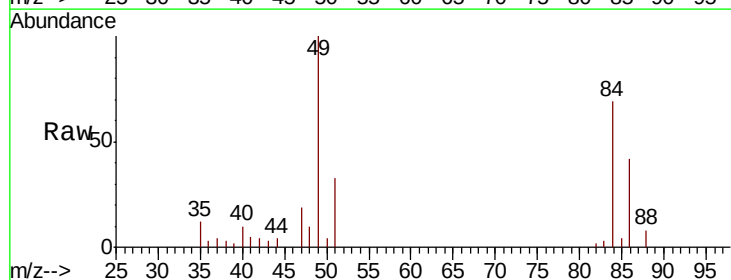
Ion Ratio Lower Upper

84 100

49 145.1 117.8 176.6

51 48.3 37.0 55.4

86 60.7 51.8 77.8

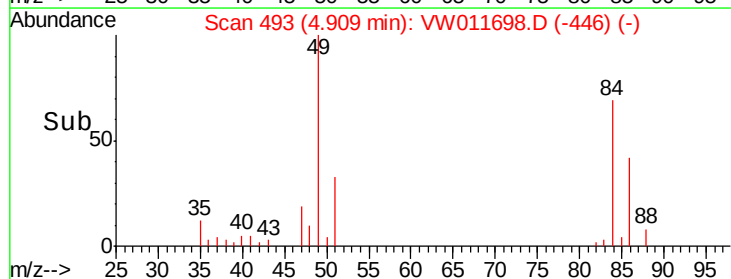
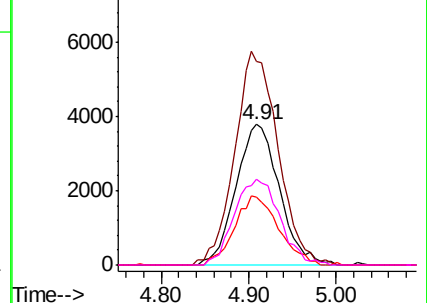


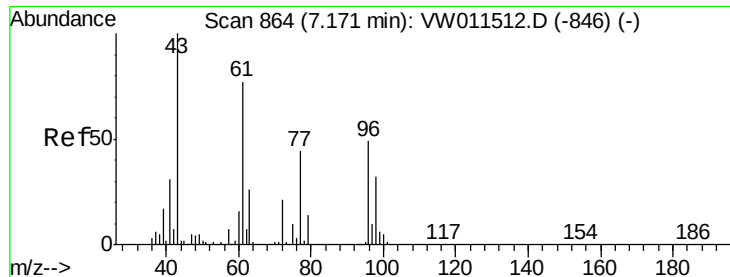
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 2.811 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011698.D

Acq: 04 Aug 2019 07:17

Instrument :

MSVOA_W

ClientSampleId :

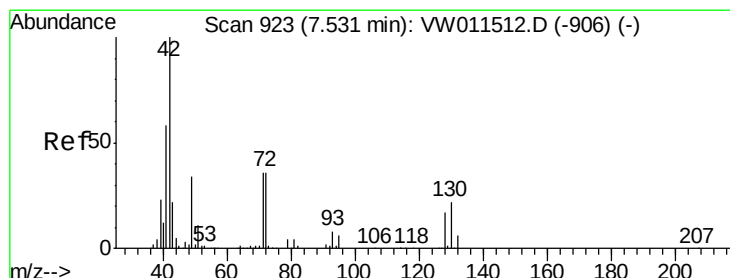
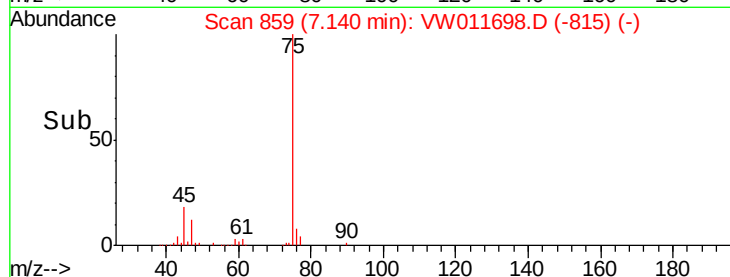
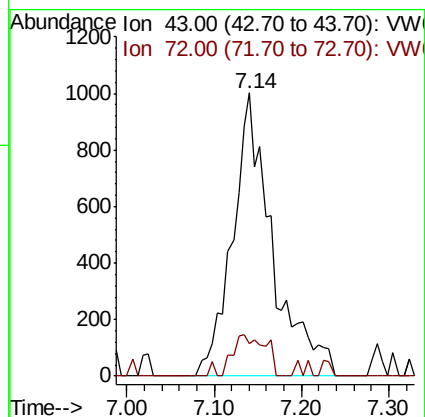
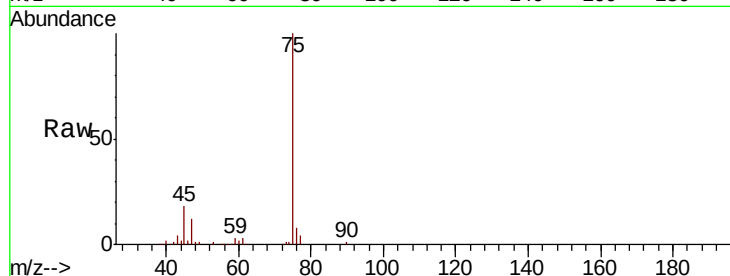
RT3456

Tot Ion: 43 Resp: 3165

Ion Ratio Lower Upper

43 100

72 11.7 16.6 24.8#



#29

Tetrahydrofuran

Concen: 2.573 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011698.D

Acq: 04 Aug 2019 07:17

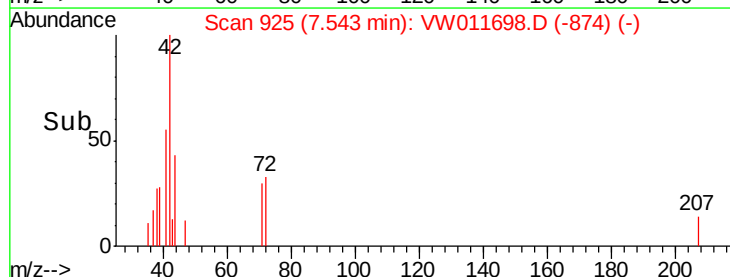
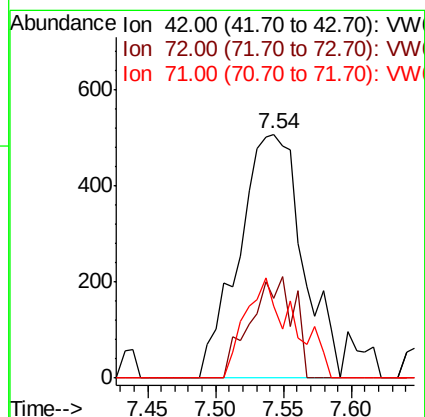
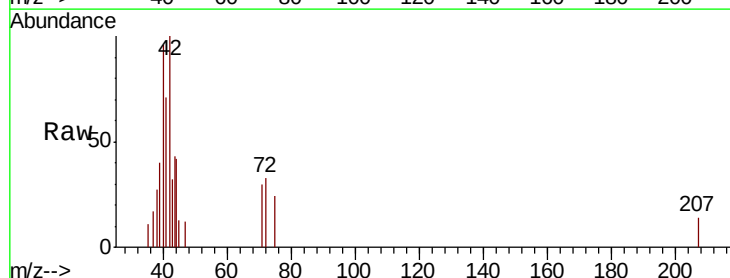
Tgt Ion: 42 Resp: 1656

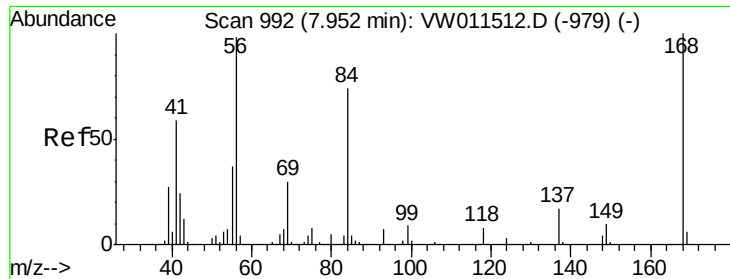
Ion Ratio Lower Upper

42 100

72 28.3 27.1 40.7

71 31.5 26.2 39.4

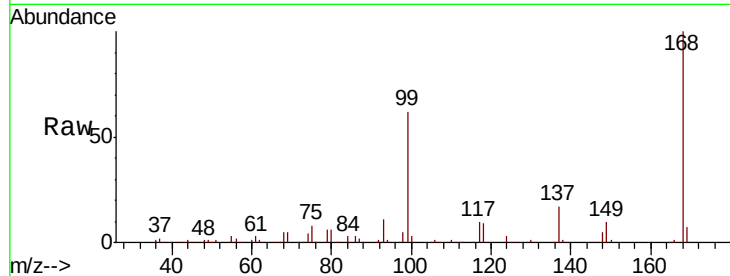




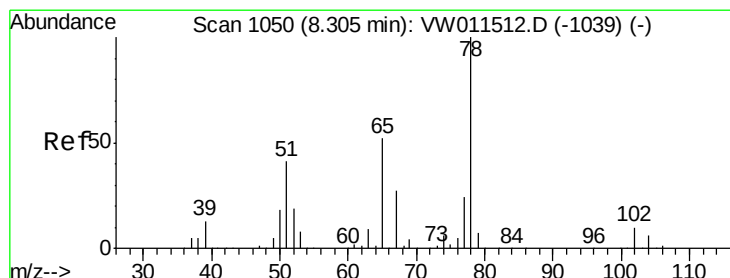
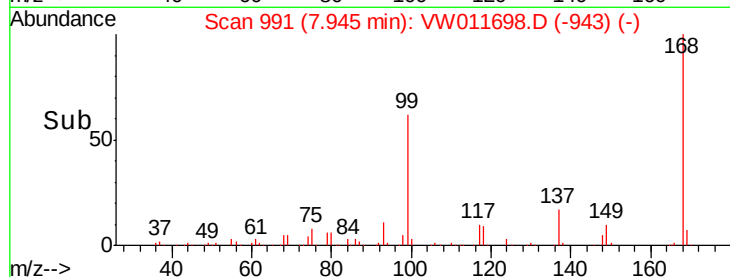
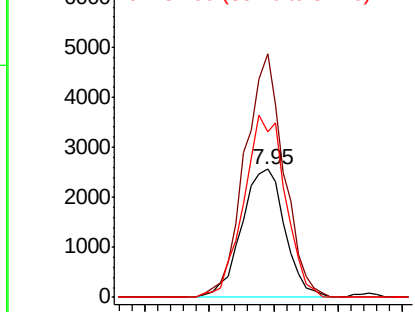
#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011698.D
Acq: 04 Aug 2019 07:17

Instrument :
MSVOA_W
ClientSampleId :
RT3456

Tot Ion: 56 Resp: 5944
Ion Ratio Lower Upper
56 100
69 190.3 24.3 36.5#
84 136.9 60.4 90.6#

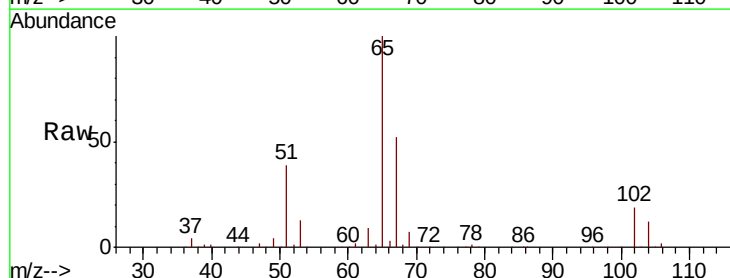


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

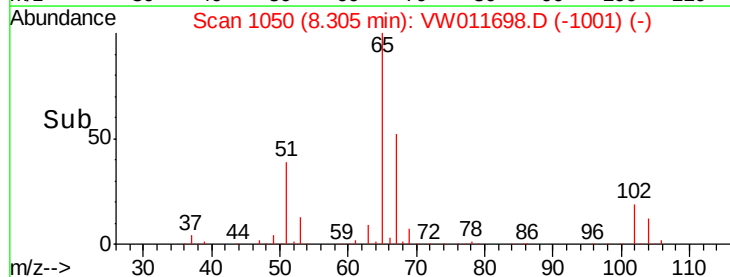
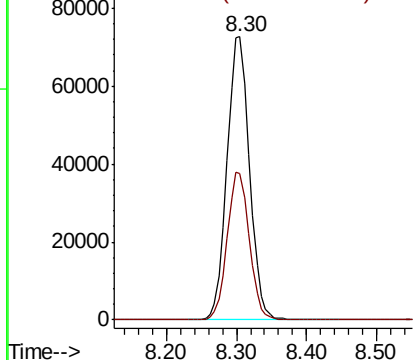


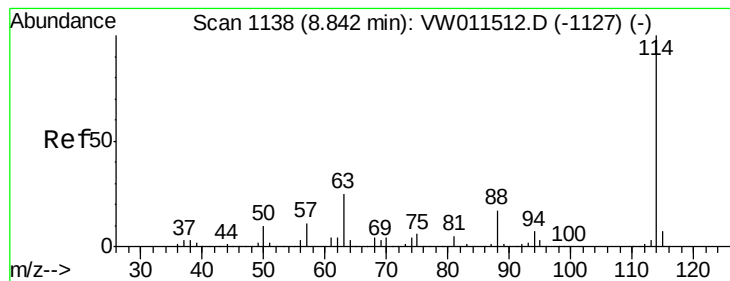
#33
1,2-Dichloroethane-d4
Concen: 59.964 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011698.D
Acq: 04 Aug 2019 07:17

Tgt Ion: 65 Resp: 162178
Ion Ratio Lower Upper
65 100
67 51.5 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: VW011698.D

Acq: 04 Aug 2019 07:17

Instrument :

MSVOA_W

ClientSampled :

RT3456

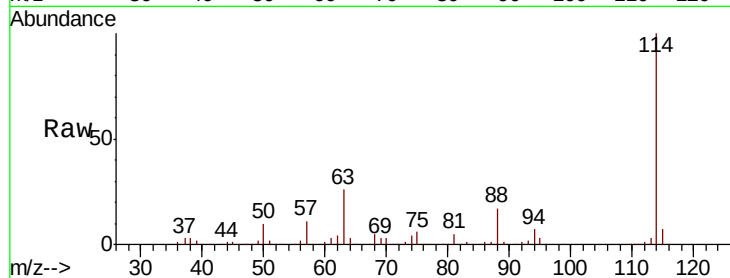
Tot Ion:114 Resp: 394551

Ion Ratio Lower Upper

114 100

63 25.8 0.0 49.2

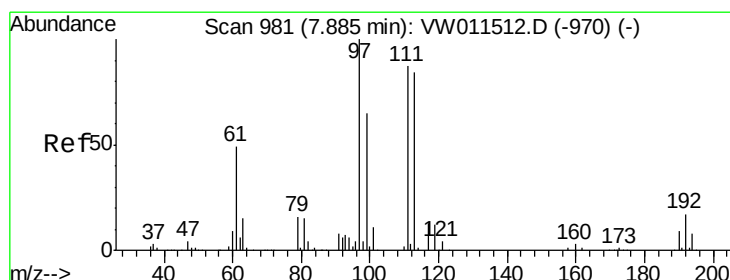
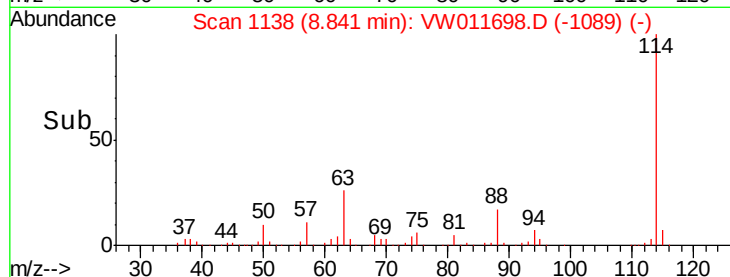
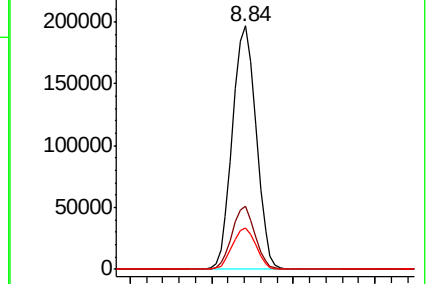
88 16.8 0.0 33.8



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: 56.209 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011698.D

Acq: 04 Aug 2019 07:17

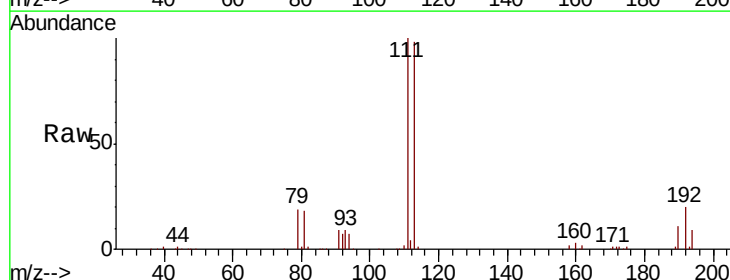
Tgt Ion:113 Resp: 124418

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

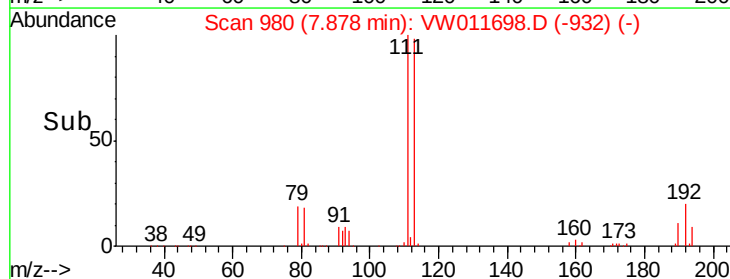
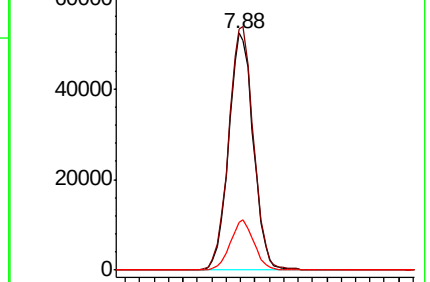
192 20.1 16.1 24.1

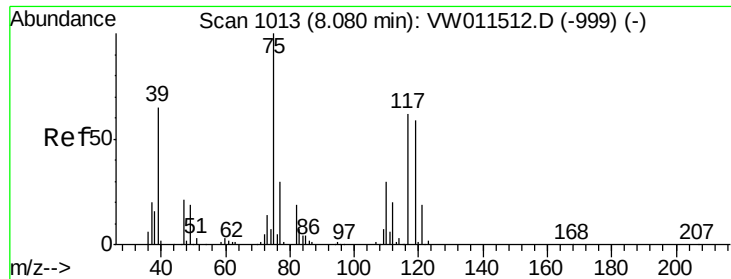


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.081 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011698.D

Acq: 04 Aug 2019 07:17

Instrument :

MSVOA_W

ClientSampleId :

RT3456

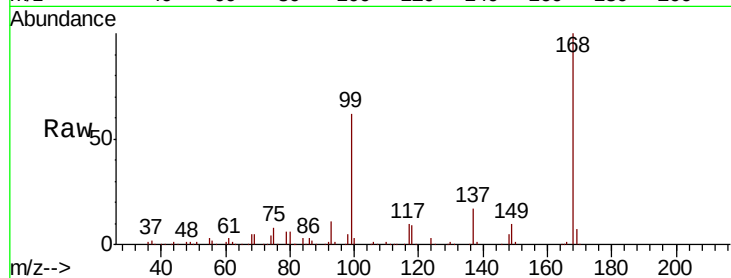
Tot Ion: 75 Resp: 20846

Ion Ratio Lower Upper

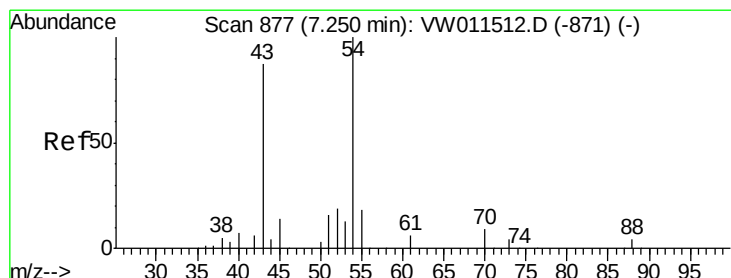
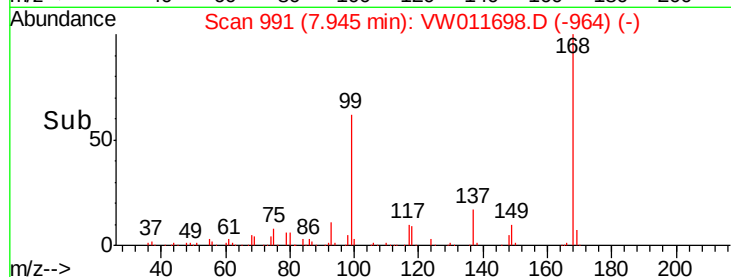
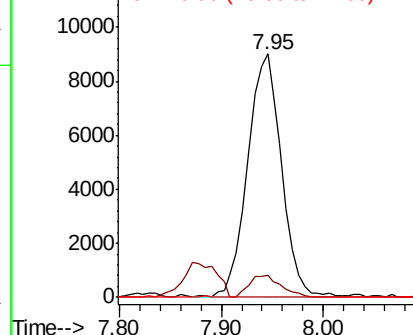
75 100

110 8.5 15.6 46.8#

77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): VW
Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 1.341 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.11 min

Lab File: VW011698.D

Acq: 04 Aug 2019 07:17

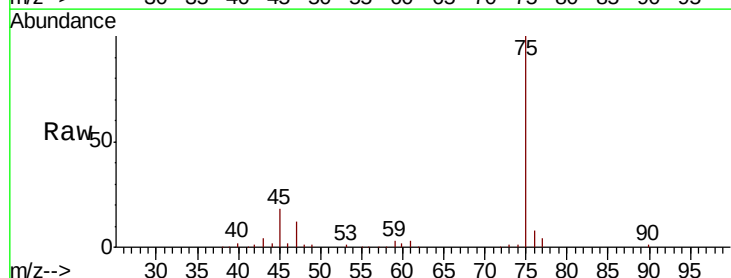
Tgt Ion: 43 Resp: 3165

Ion Ratio Lower Upper

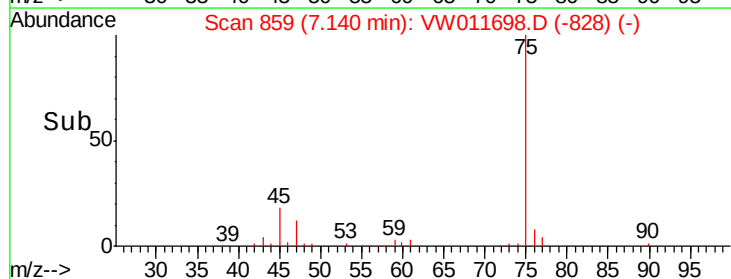
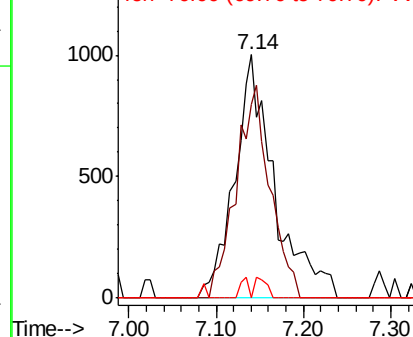
43 100

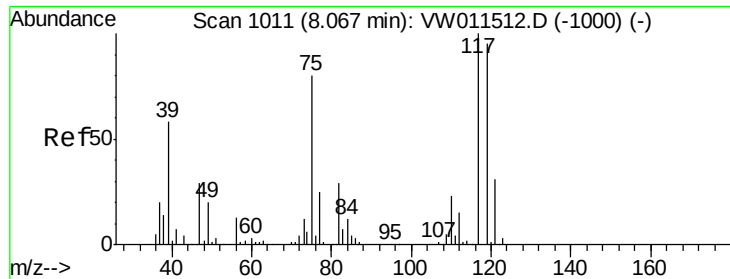
61 75.3 8.8 13.2#

70 2.4 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

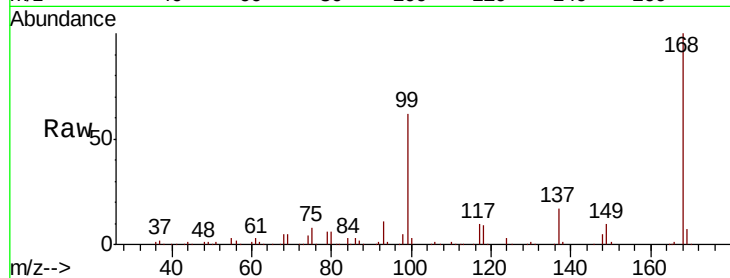




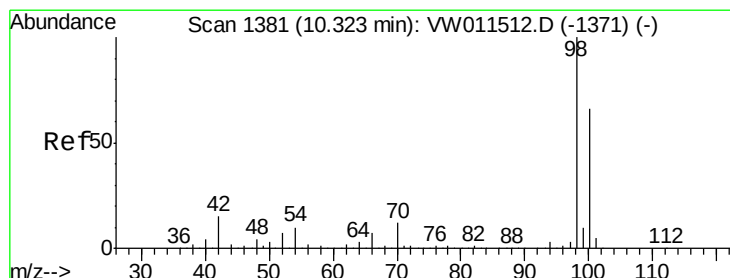
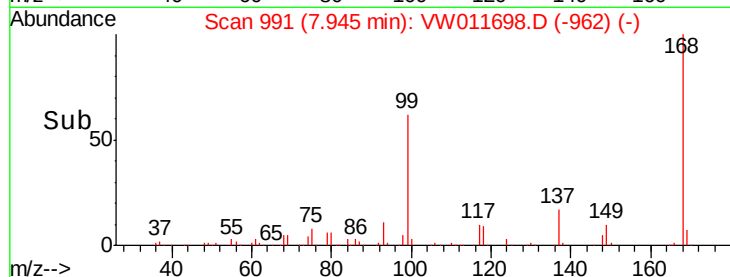
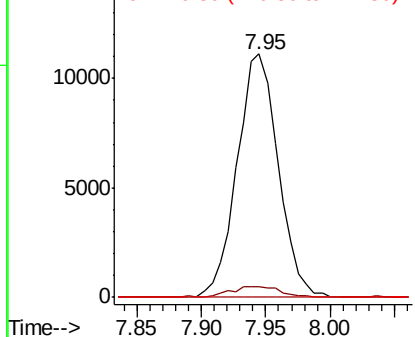
#38
Carbon Tetrachloride
Concen: 6.967 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011698.D
Acq: 04 Aug 2019 07:17

Instrument :
MSVOA_W
ClientSampled :
RT3456

Tot Ion:117 Resp: 24469
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 24.7 37.1#

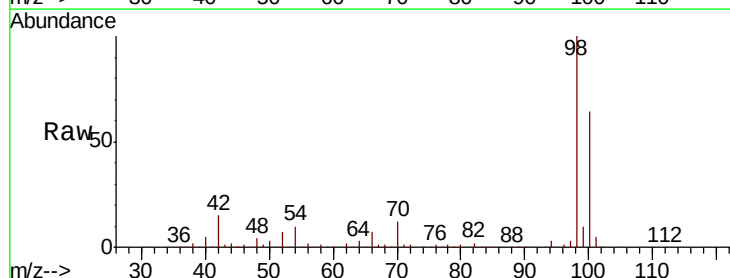


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

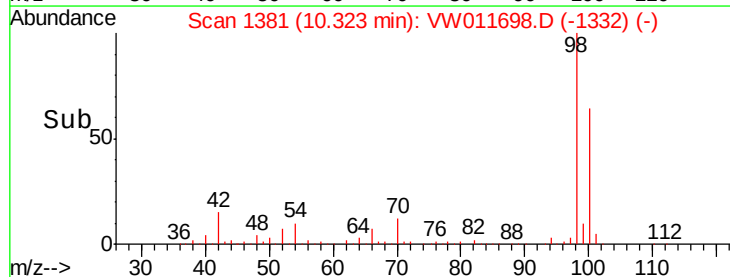
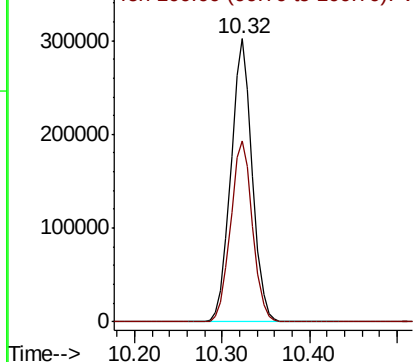


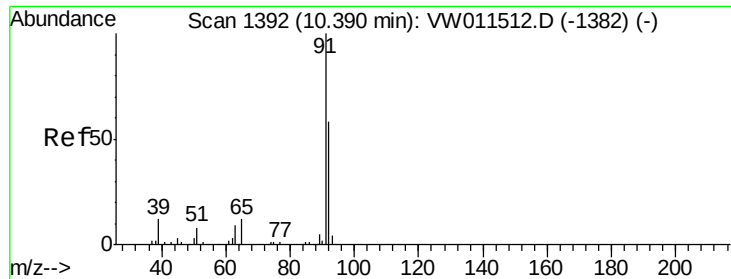
#50
Toluene-d8
Concen: 56.533 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011698.D
Acq: 04 Aug 2019 07:17

Tgt Ion: 98 Resp: 512345
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



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





#52

Toluene

Concen: 2.103 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011698.D

Acq: 04 Aug 2019 07:17

Instrument :

MSVOA_W

ClientSampleId :

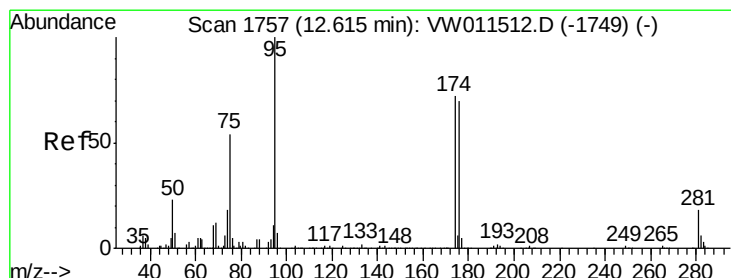
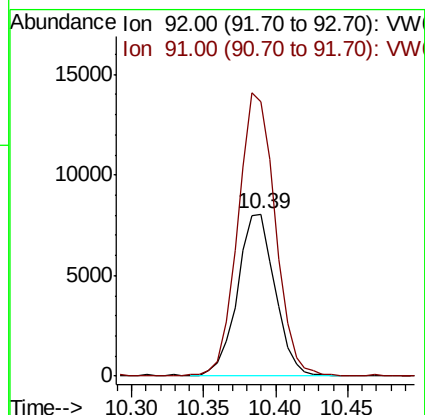
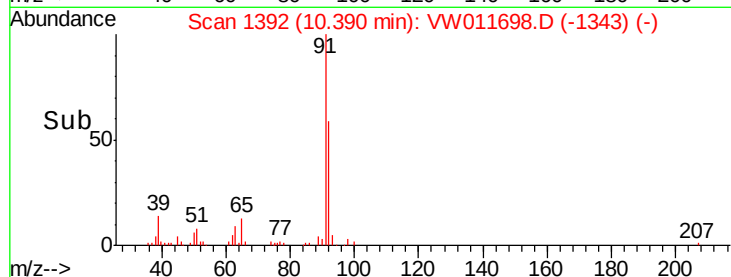
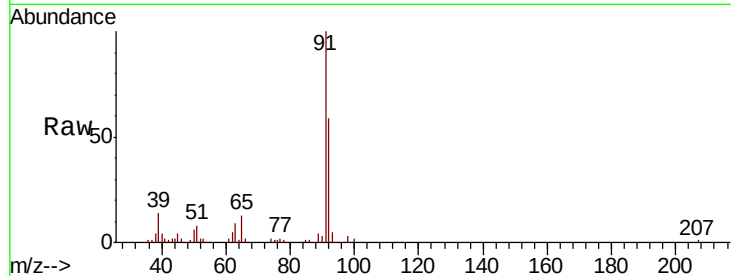
RT3456

Tot Ion: 92 Resp: 14597

Ion Ratio Lower Upper

92 100

91 173.5 136.7 205.1



#62

4-Bromofluorobenzene

Concen: 52.114 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011698.D

Acq: 04 Aug 2019 07:17

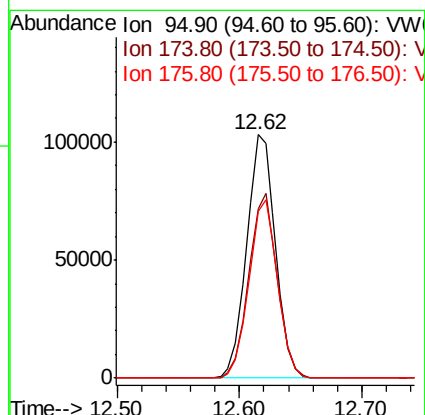
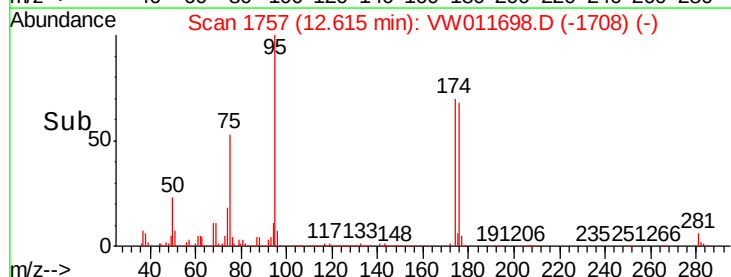
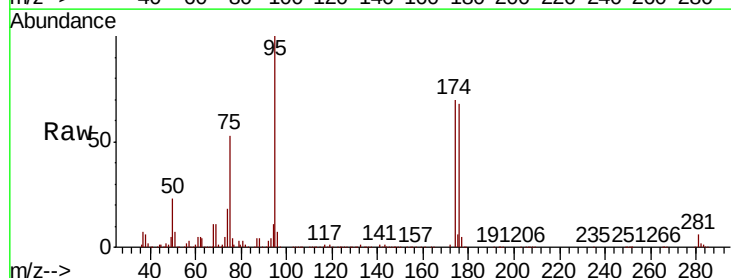
Tgt Ion: 95 Resp: 168383

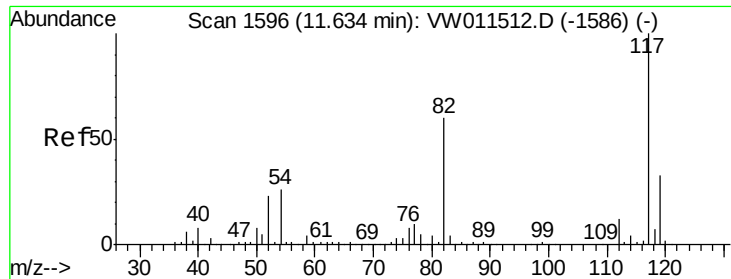
Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.2

176 72.9 0.0 144.4

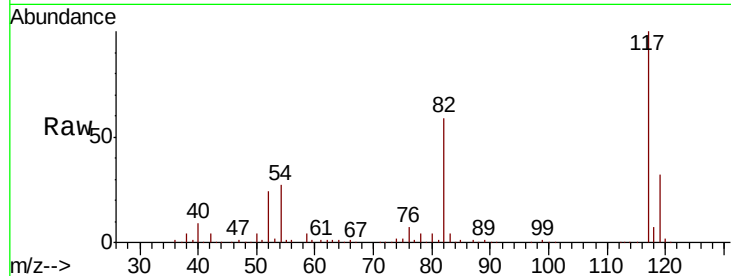




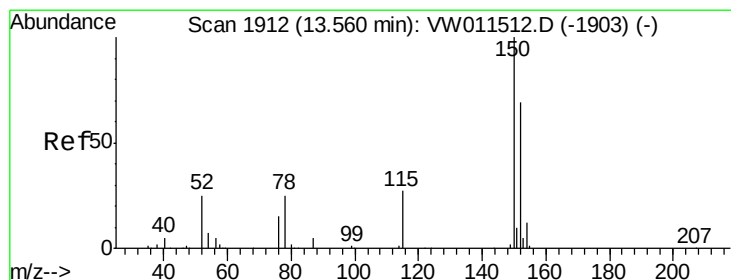
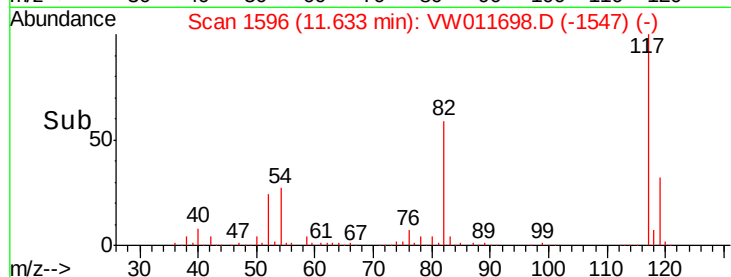
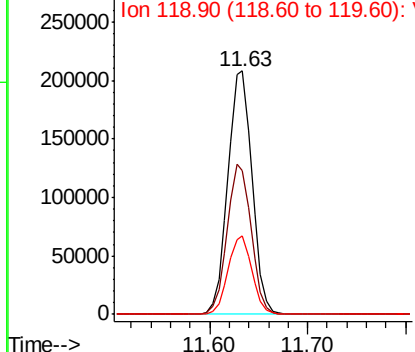
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011698.D
Acq: 04 Aug 2019 07:17

Instrument :
MSVOA_W
ClientSampled :
RT3456

Tot Ion:117 Resp: 357667
Ion Ratio Lower Upper
117 100
82 59.1 47.9 71.9
119 32.3 26.2 39.2

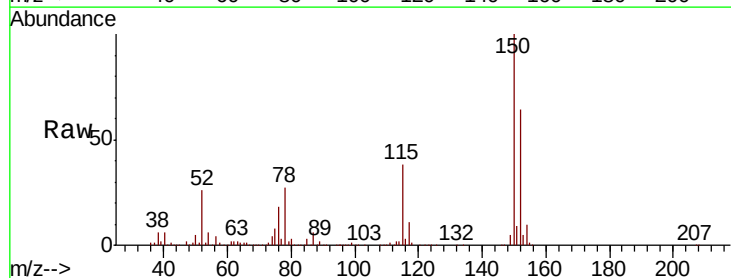


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

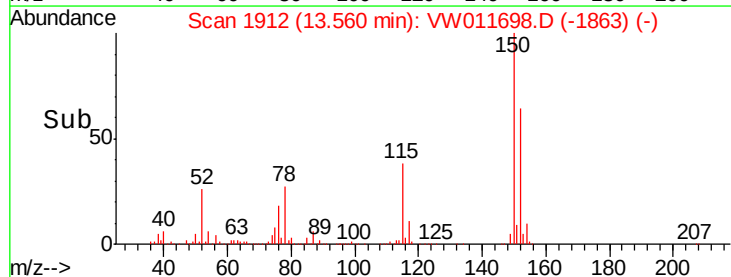
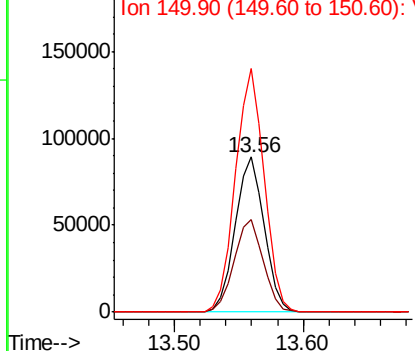


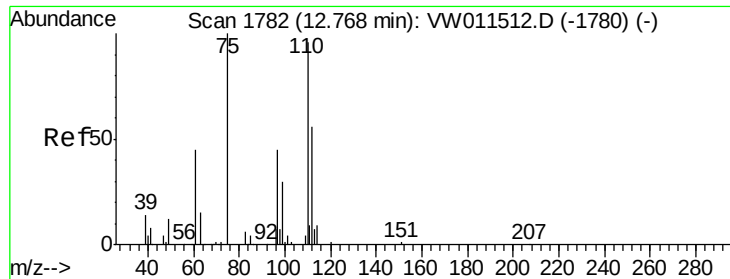
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011698.D
Acq: 04 Aug 2019 07:17

Tgt Ion:152 Resp: 139160
Ion Ratio Lower Upper
152 100
115 60.1 30.5 91.5
150 155.8 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: 60.792 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011698.D

Acq: 04 Aug 2019 07:17

Instrument :

MSVOA_W

ClientSampled :

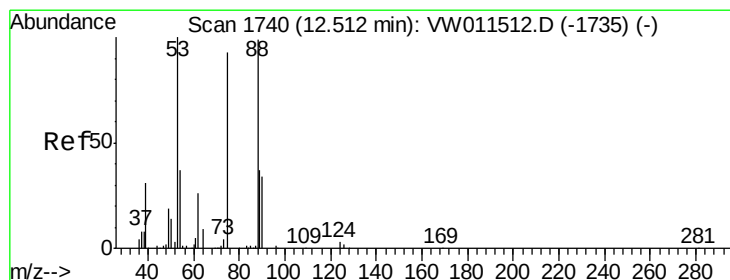
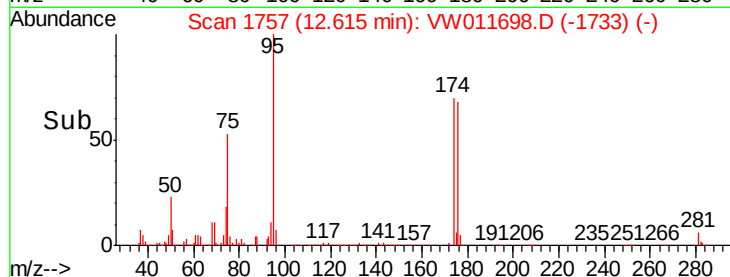
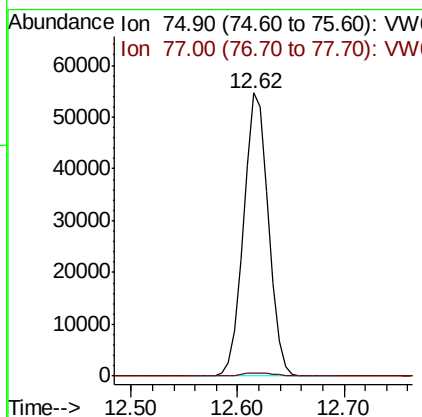
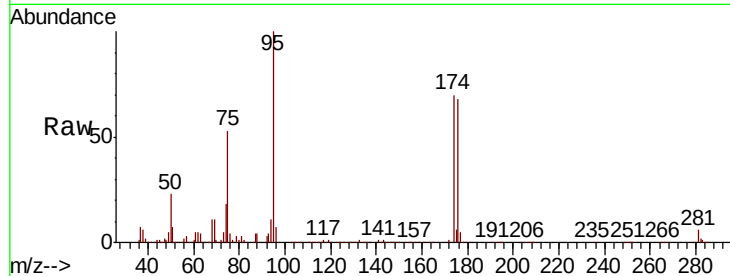
RT3456

Tot Ion: 75 Resp: 89515

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.105 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011698.D

Acq: 04 Aug 2019 07:17

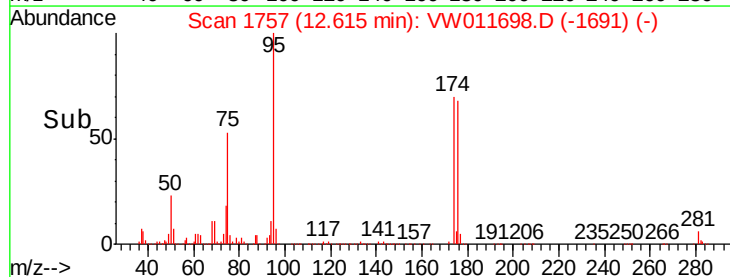
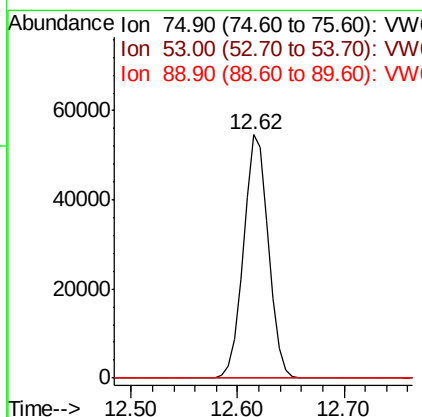
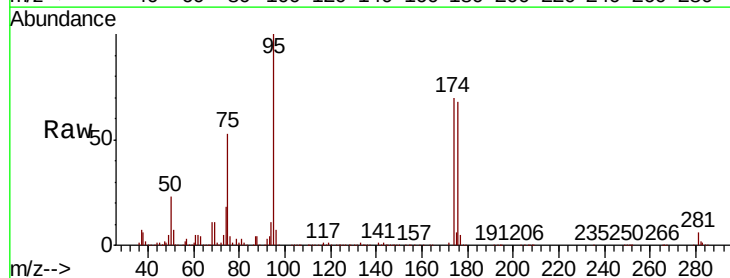
Tgt Ion: 75 Resp: 89515

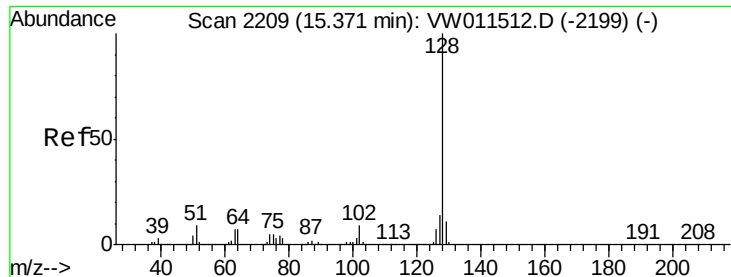
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.2 35.3 52.9#





#95

Naphthalene

Concen: 2.118 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011698.D

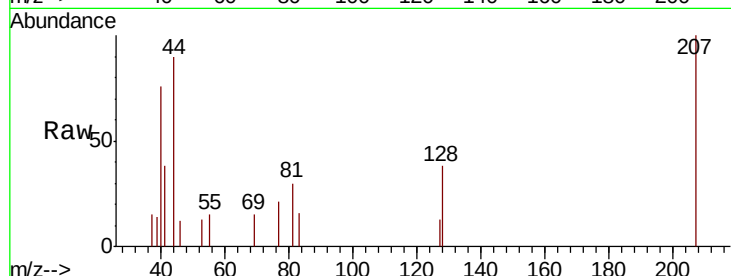
Acq: 04 Aug 2019 07:17

Instrument :

MSVOA_W

ClientSampleId :

RT3456



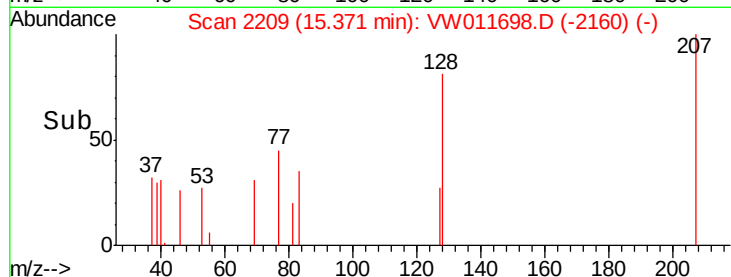
Tot Ion:128 Resp: 298

Ion Ratio Lower Upper

128 100

127 6.7 10.6 16.0#

129 7.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

