

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012094.D
 Acq On : 22 Aug 2019 01:55
 Operator : SY/VA
 Sample : K4403-18
 Misc : 5.41G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-J(2.5)

Quant Time: Aug 22 05:22:15 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	272473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	458411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	377136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	141793	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	171516	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
35) Dibromofluoromethane	7.88	113	137949	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
50) Toluene-d8	10.32	98	559674	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.62	95	167882	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	

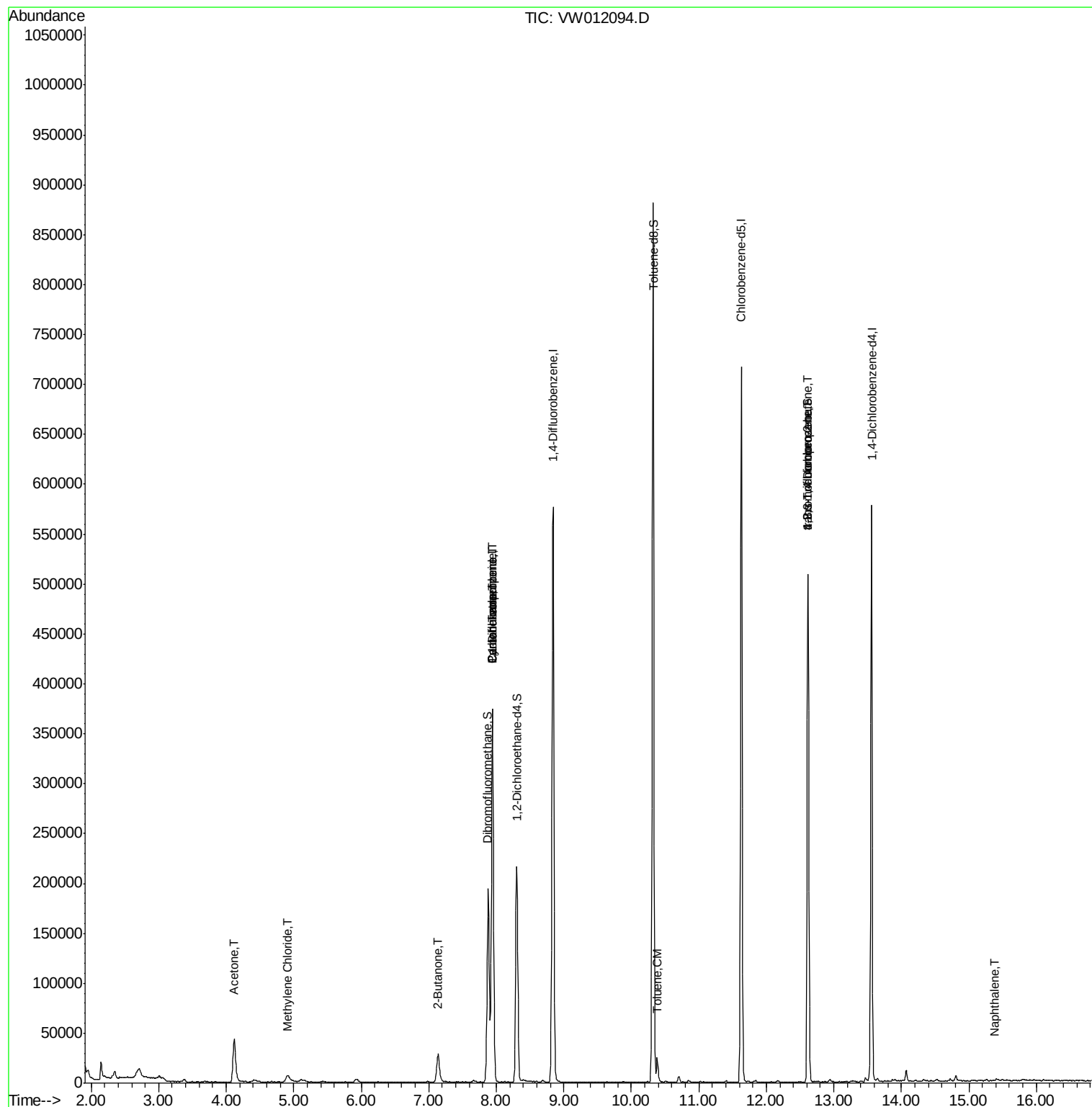
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	2259	Below Cal	#	72
16) Acetone	4.12	43	82182	82.574	ug/l	98
20) Methylene Chloride	4.90	84	4305	1.254	ug/l	89
25) 2-Butanone	7.13	43	1607	1.234	ug/l #	87
31) Cyclohexane	7.94	56	6698	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24122	5.061	ug/l #	52
38) Carbon Tetrachloride	7.95	117	27638	6.773	ug/l #	16
52) Toluene	10.38	92	10019	1.243	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	91247	60.818	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91247	140.164	ug/l #	6
95) Naphthalene	15.38	128	332	2.123	ug/l #	69

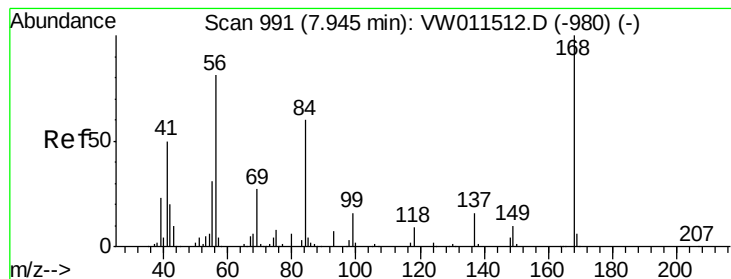
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
Data File : VW012094.D
Acq On : 22 Aug 2019 01:55
Operator : SY/VA
Sample : K4403-18
Misc : 5.41G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-J-(2.5)

Quant Time: Aug 22 05:22:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
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: VW012094.D

Acq: 22 Aug 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

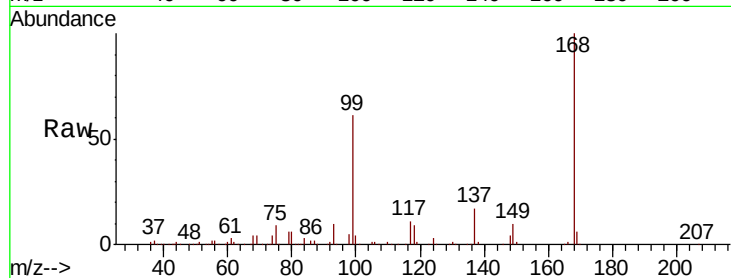
T1-J-(2.5)

Tgt Ion: 168 Resp: 272473

Ion Ratio Lower Upper

168 100

99 60.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

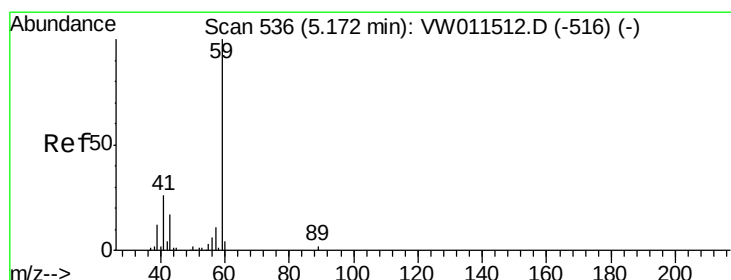
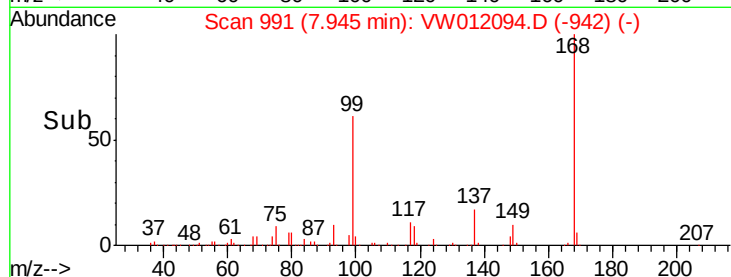
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW012094.D

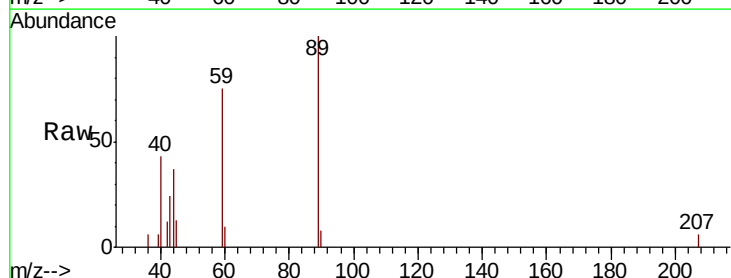
Acq: 22 Aug 2019 01:55

Tgt Ion: 59 Resp: 2259

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

800

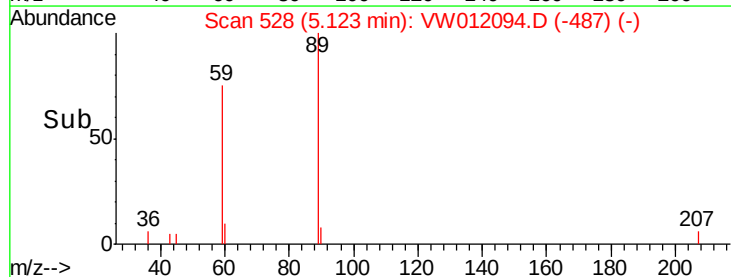
600

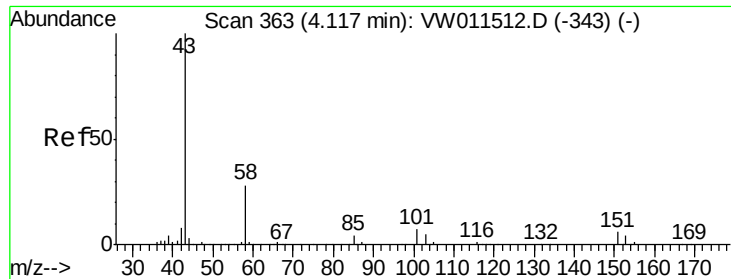
400

200

0

Time--> 5.05 5.10 5.15





#16

Acetone

Concen: 82.574 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012094.D

Acq: 22 Aug 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

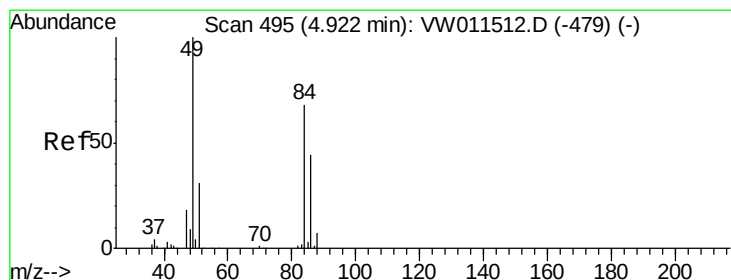
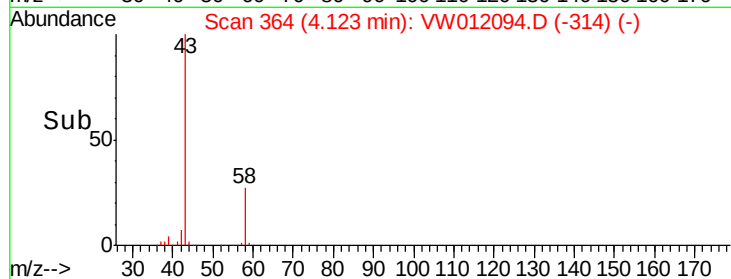
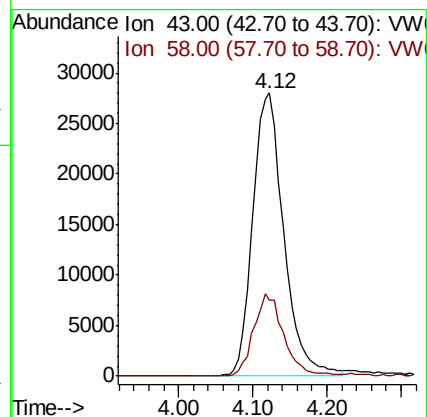
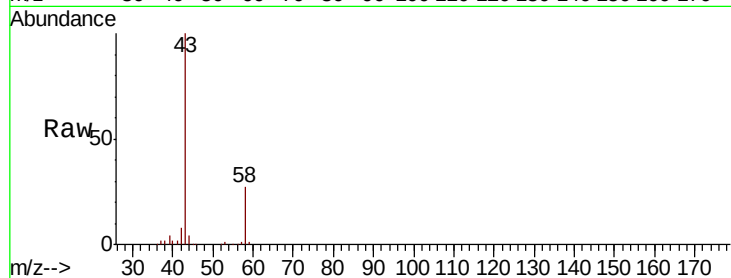
T1-J-(2.5)

Tgt Ion: 43 Resp: 82182

Ion Ratio Lower Upper

43 100

58 26.9 22.3 33.5



#20

Methylene Chloride

Concen: 1.254 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012094.D

Acq: 22 Aug 2019 01:55

Tgt Ion: 84 Resp: 4305

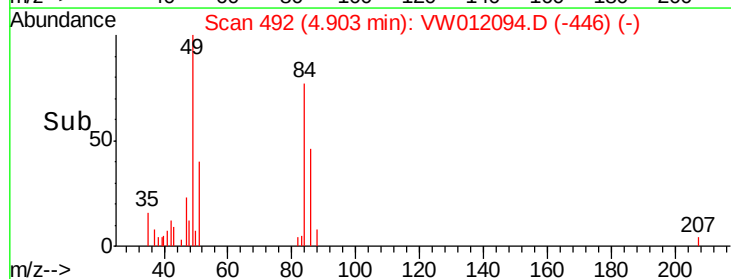
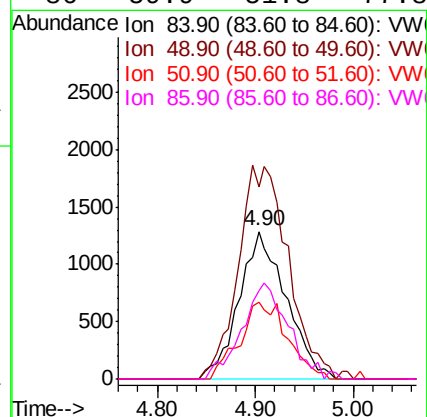
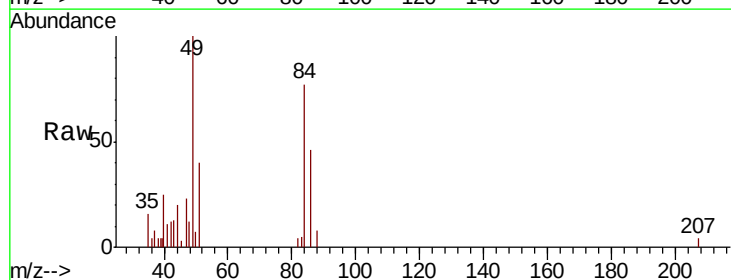
Ion Ratio Lower Upper

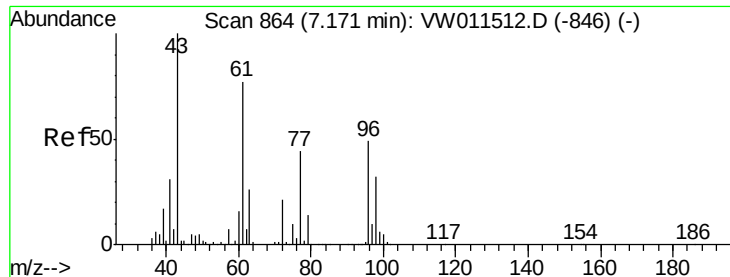
84 100

49 130.5 117.8 176.6

51 52.2 37.0 55.4

86 59.9 51.8 77.8





#25

2-Butanone

Concen: 1.234 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW012094.D

Acq: 22 Aug 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

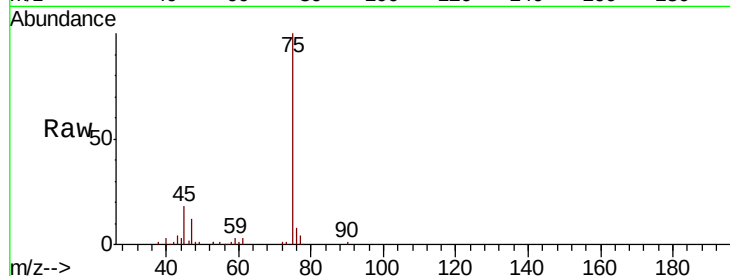
T1-J-(2.5)

Tgt Ion: 43 Resp: 1607

Ion Ratio Lower Upper

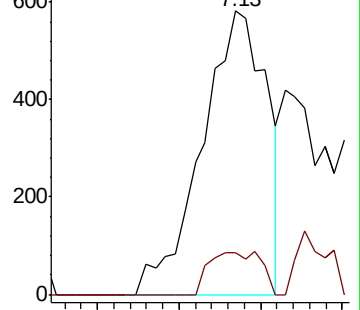
43 100

72 14.6 16.6 24.8#

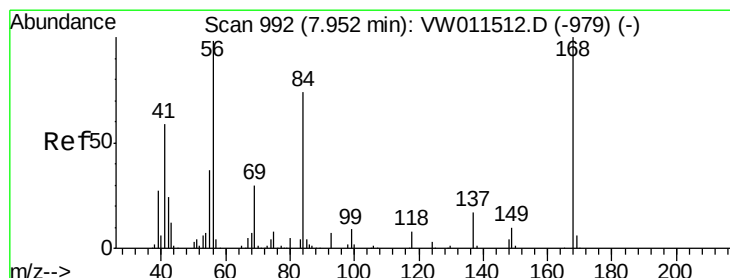
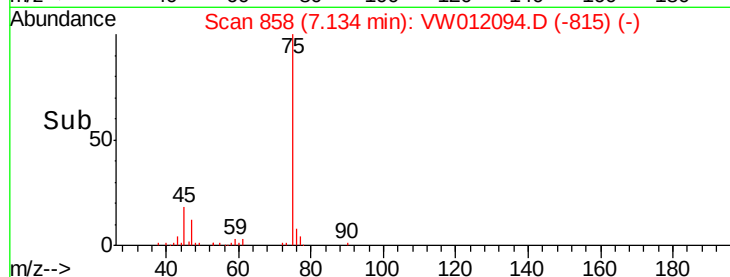


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012094.D

Acq: 22 Aug 2019 01:55

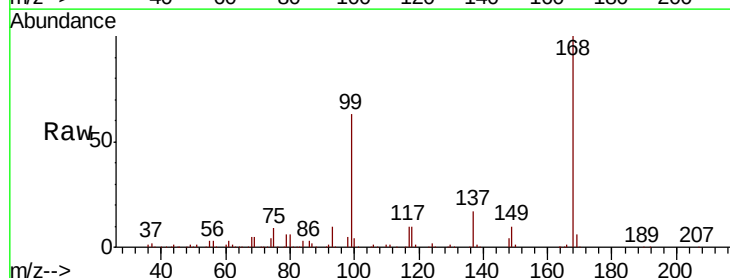
Tgt Ion: 56 Resp: 6698

Ion Ratio Lower Upper

56 100

69 170.5 24.3 36.5#

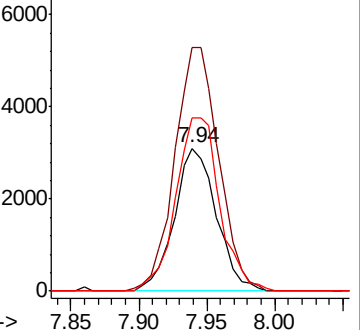
84 121.1 60.4 90.6#



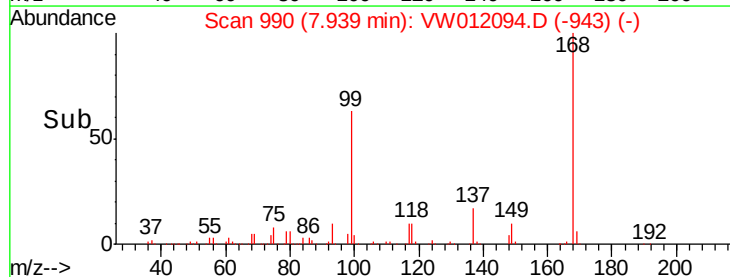
Abundance Ion 56.00 (55.70 to 56.70): VW

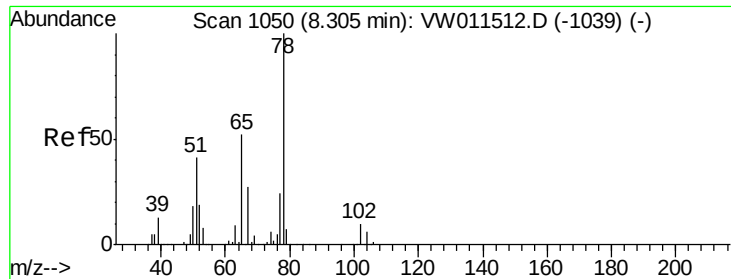
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time-->

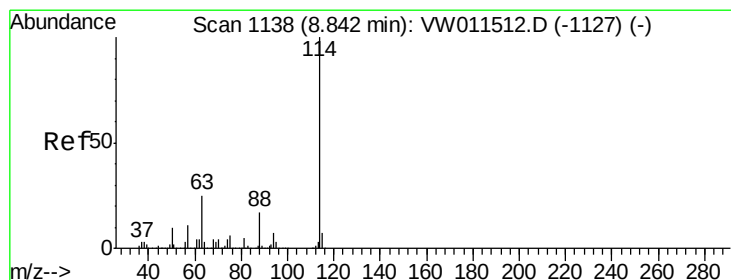
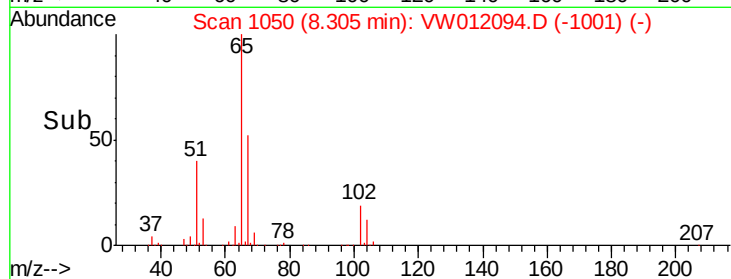
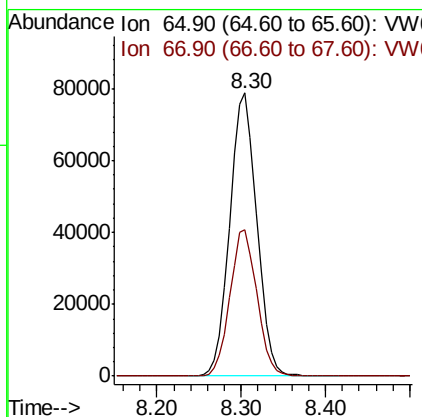
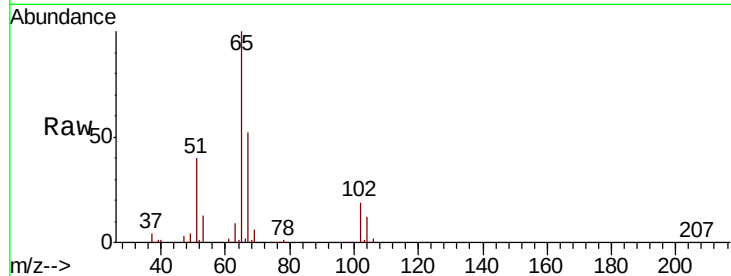




#33
 1,2-Dichloroethane-d4
 Concen: 54.819 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012094.D
 Acq: 22 Aug 2019 01:55

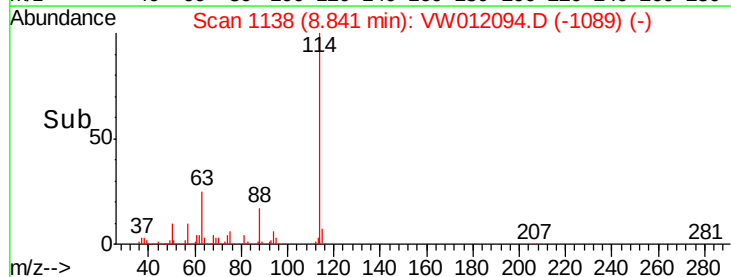
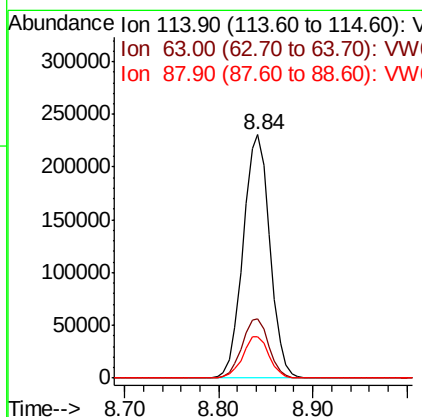
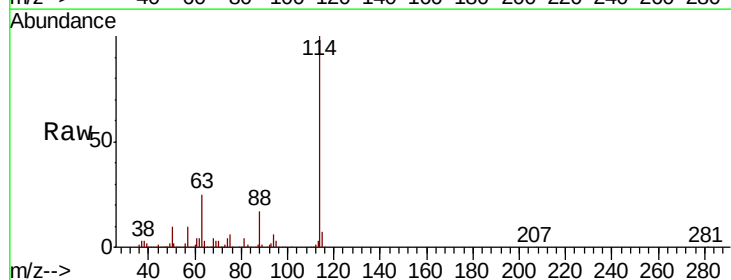
Instrument :
 MSVOA_W
 ClientSampled :
 T1-J-(2.5)

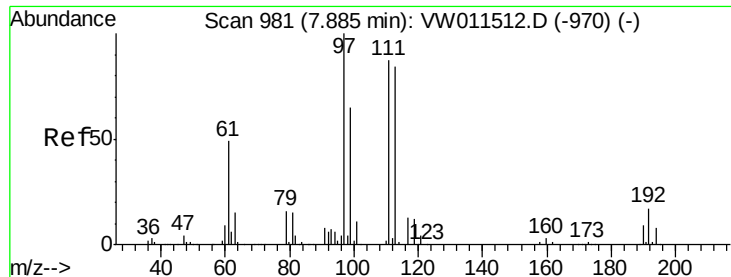
Tgt Ion: 65 Resp: 171516
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012094.D
 Acq: 22 Aug 2019 01:55

Tgt Ion: 114 Resp: 458411
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 17.2 0.0 33.8

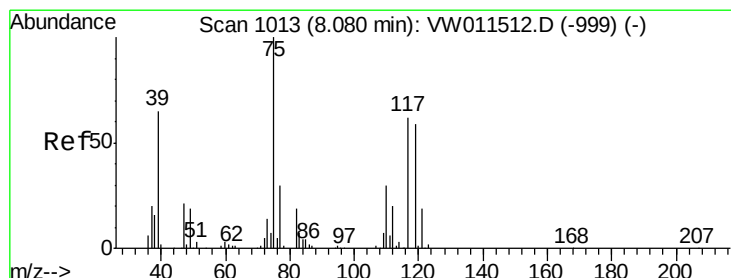
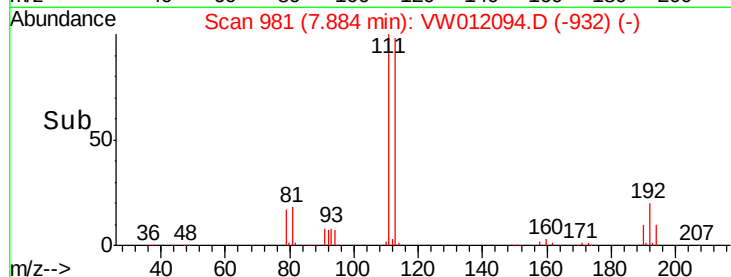
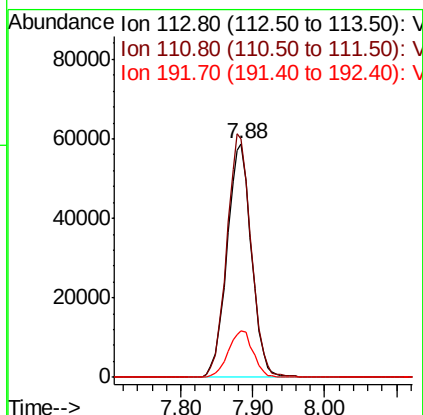
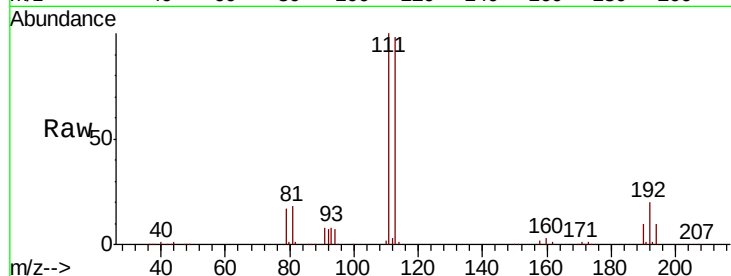




#35
 Dibromofluoromethane
 Concen: 53.640 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012094.D
 Acq: 22 Aug 2019 01:55

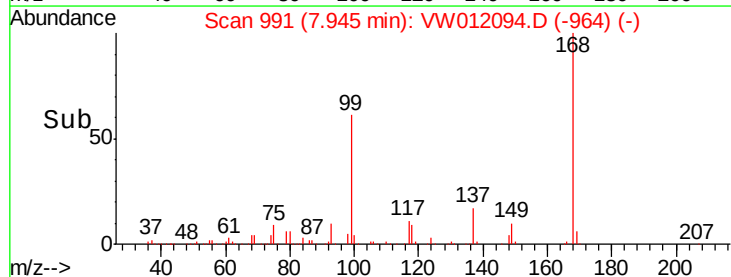
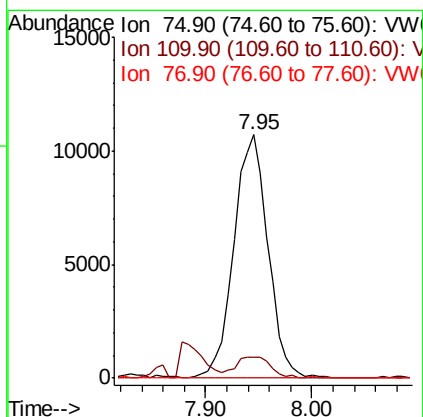
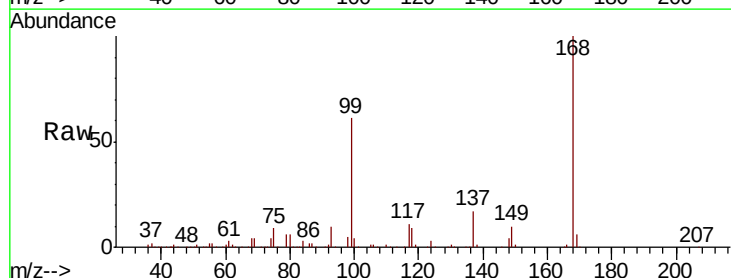
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-J-(2.5)

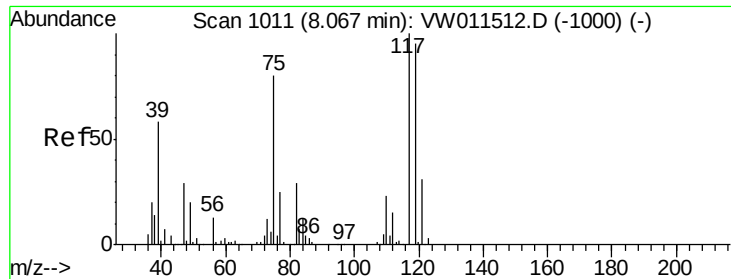
Tgt Ion:113 Resp: 137949
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.7 124.1
 192 20.4 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.061 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012094.D
 Acq: 22 Aug 2019 01:55

Tgt Ion: 75 Resp: 24122
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.6 46.8#
 77 0.0 24.3 36.5#

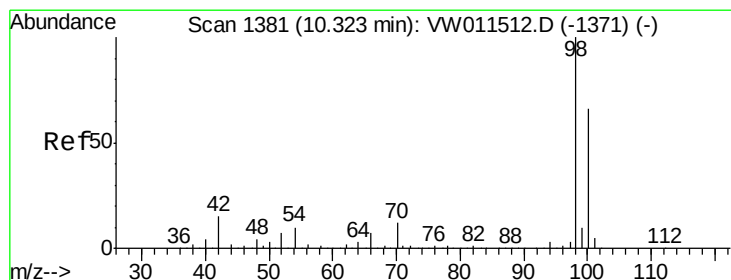
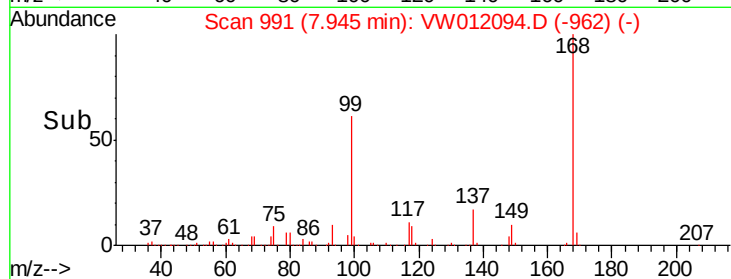
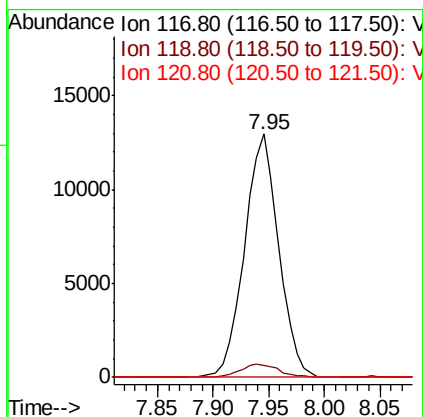
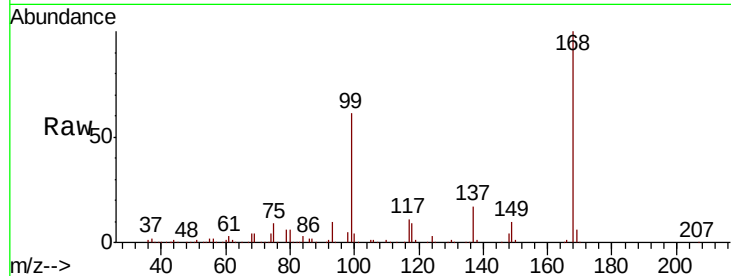




#38
Carbon Tetrachloride
Concen: 6.773 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012094.D
Acq: 22 Aug 2019 01:55

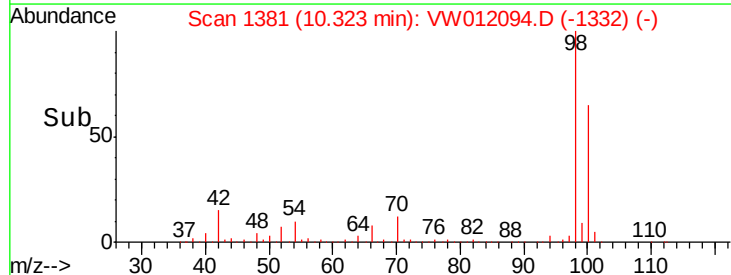
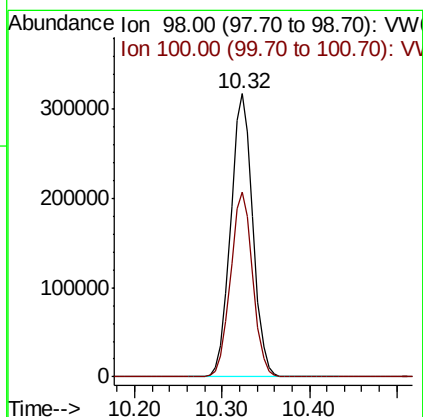
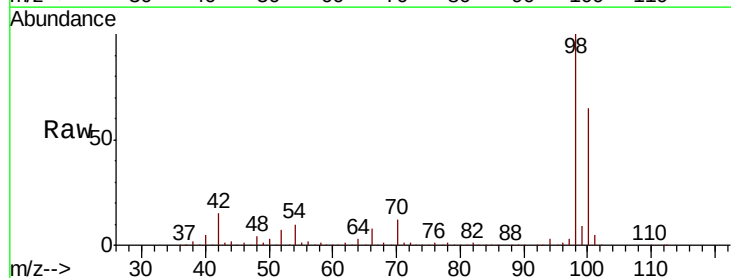
Instrument :
MSVOA_W
ClientSampleId :
T1-J-(2.5)

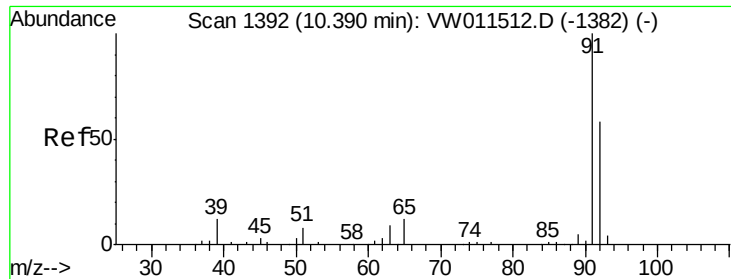
Tgt Ion: 117 Resp: 27638
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 53.153 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012094.D
Acq: 22 Aug 2019 01:55

Tgt Ion: 98 Resp: 559674
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1





#52

Toluene

Concen: 1.243 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012094.D

Acq: 22 Aug 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

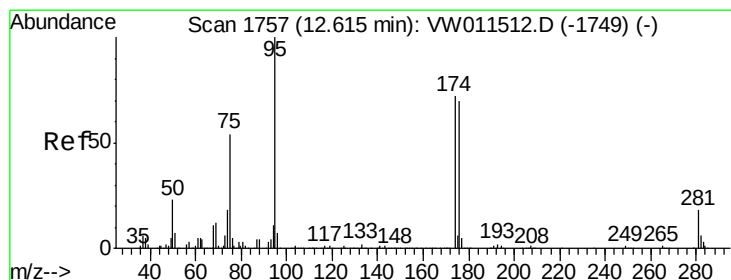
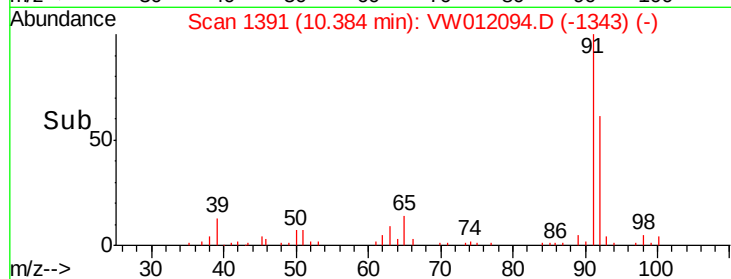
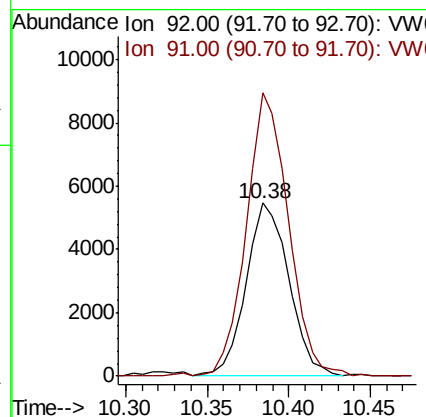
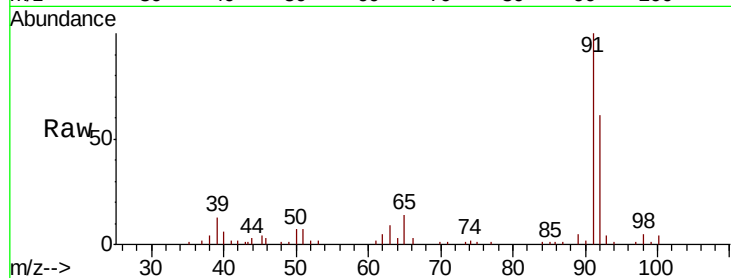
T1-J-(2.5)

Tgt Ion: 92 Resp: 10019

Ion Ratio Lower Upper

92 100

91 160.3 136.7 205.1



#62

4-Bromofluorobenzene

Concen: 44.721 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012094.D

Acq: 22 Aug 2019 01:55

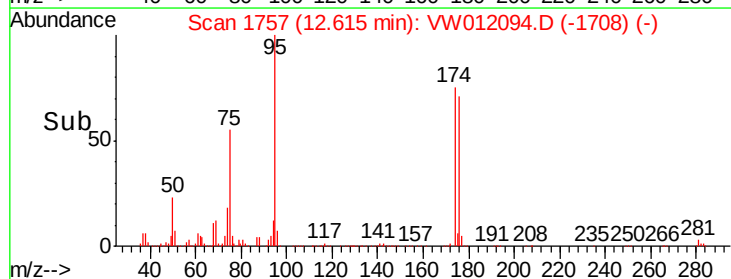
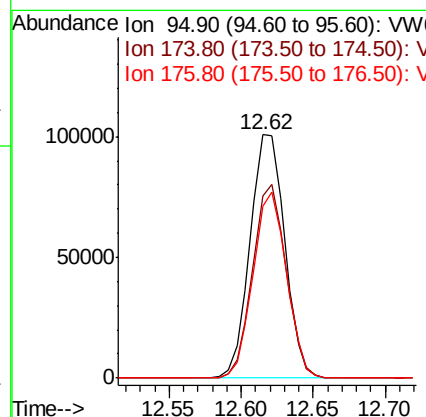
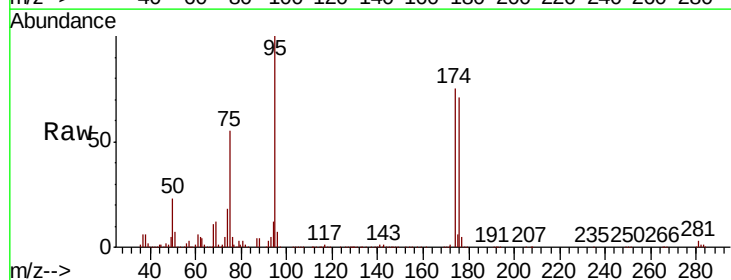
Tgt Ion: 95 Resp: 167882

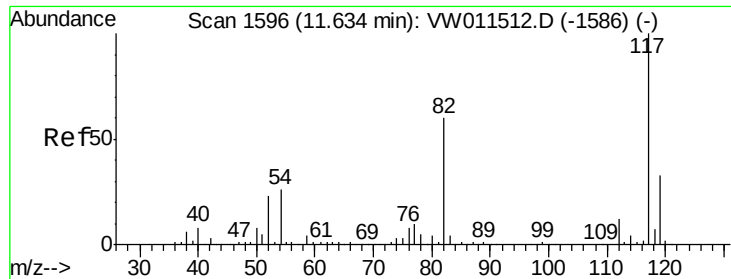
Ion Ratio Lower Upper

95 100

174 77.3 0.0 150.2

176 73.9 0.0 144.4

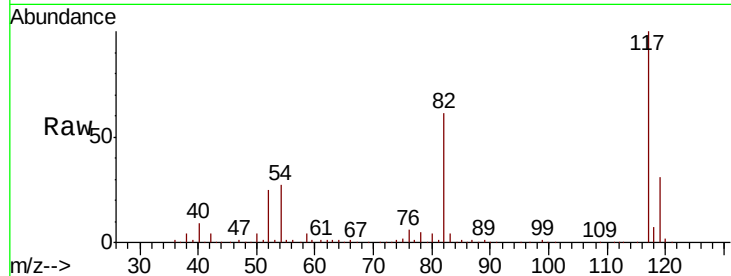




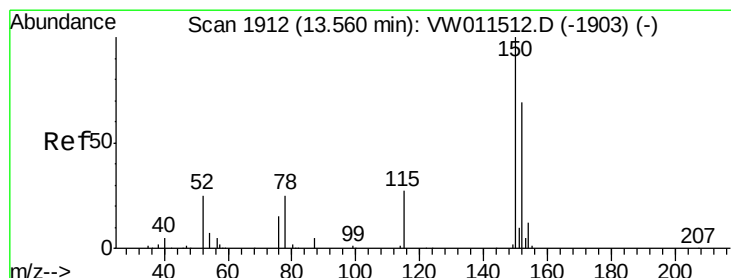
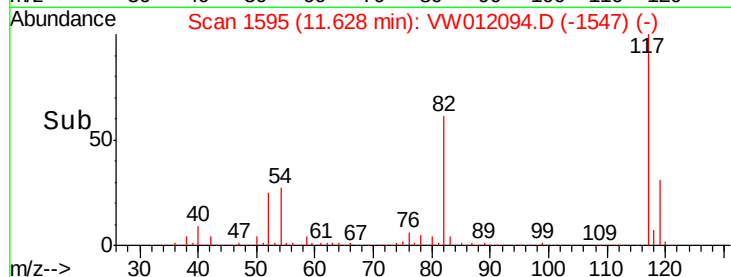
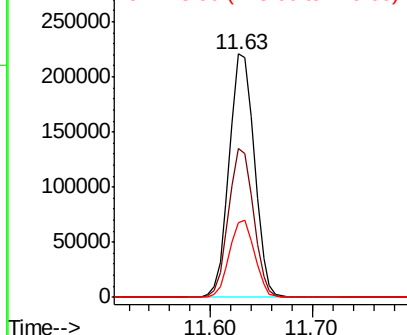
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012094.D
Acq: 22 Aug 2019 01:55

Instrument :
MSVOA_W
ClientSampleId :
T1-J-(2.5)

Tgt Ion:117 Resp: 377136
Ion Ratio Lower Upper
117 100
82 61.3 47.9 71.9
119 30.8 26.2 39.2

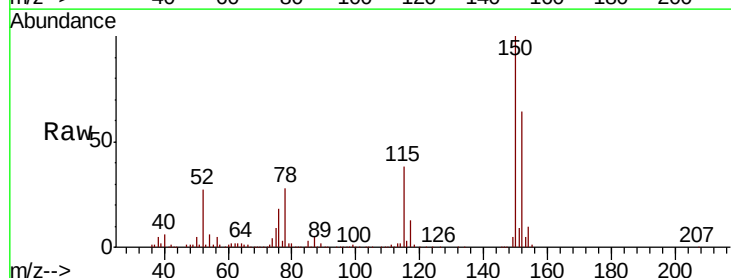


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

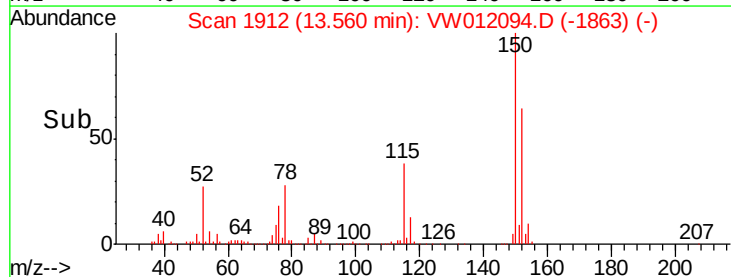
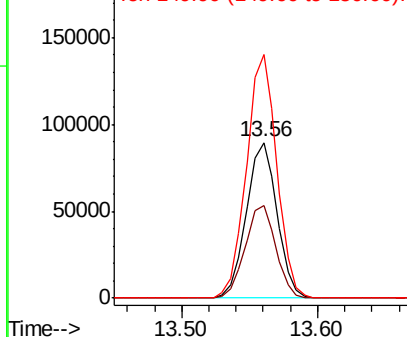


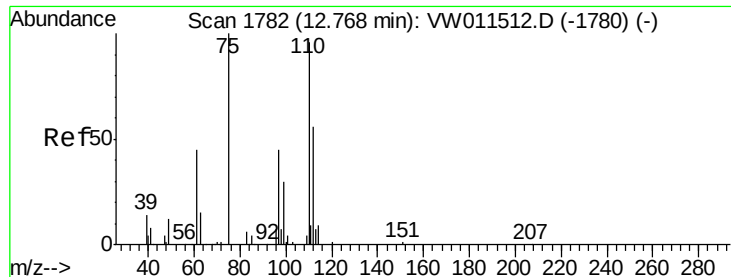
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012094.D
Acq: 22 Aug 2019 01:55

Tgt Ion:152 Resp: 141793
Ion Ratio Lower Upper
152 100
115 59.5 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: 60.818 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012094.D

Acq: 22 Aug 2019 01:55

Instrument :

MSVOA_W

ClientSampled :

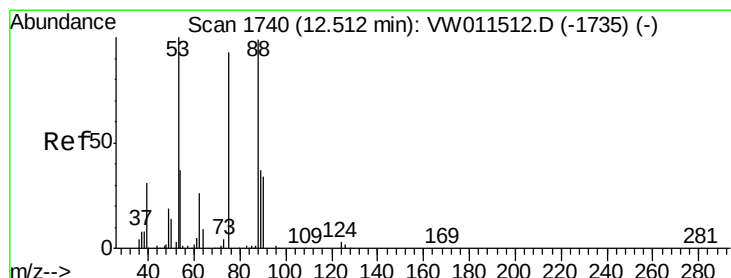
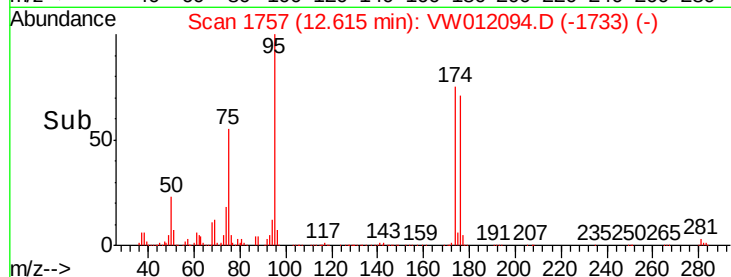
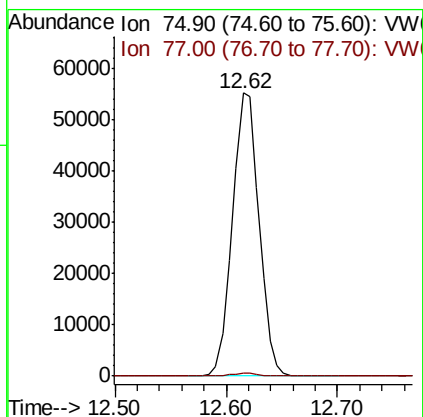
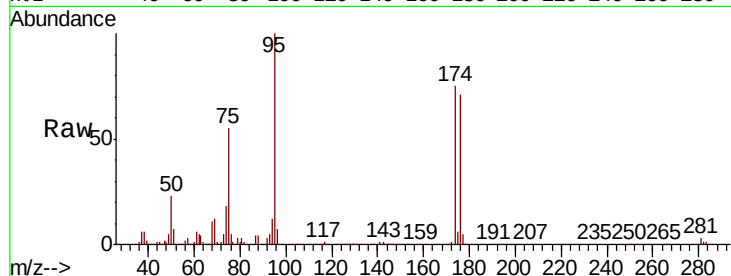
T1-J-(2.5)

Tgt Ion: 75 Resp: 91247

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.164 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012094.D

Acq: 22 Aug 2019 01:55

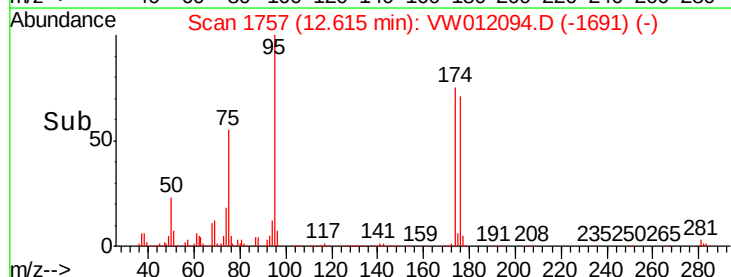
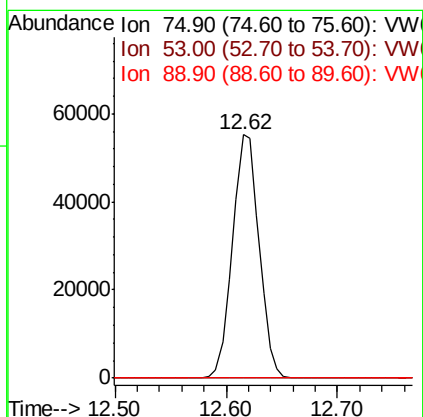
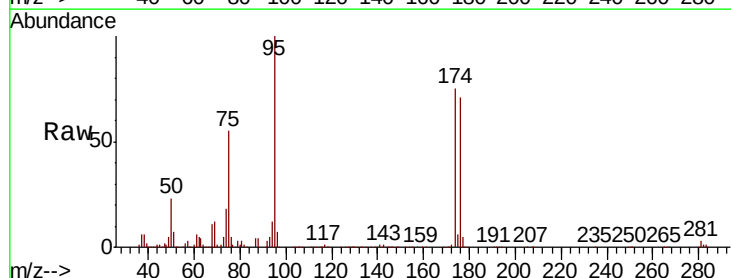
Tgt Ion: 75 Resp: 91247

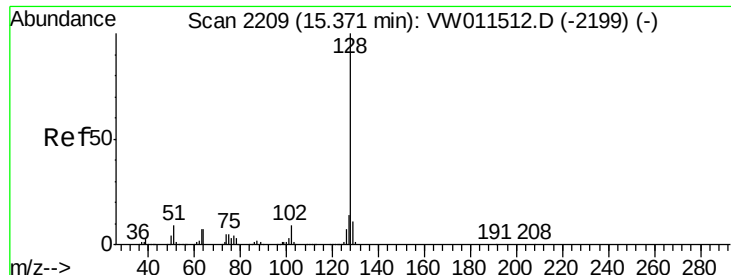
Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.1 35.3 52.9#





#95

Naphthalene

Concen: 2.123 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012094.D

Acq: 22 Aug 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

T1-J-(2.5)

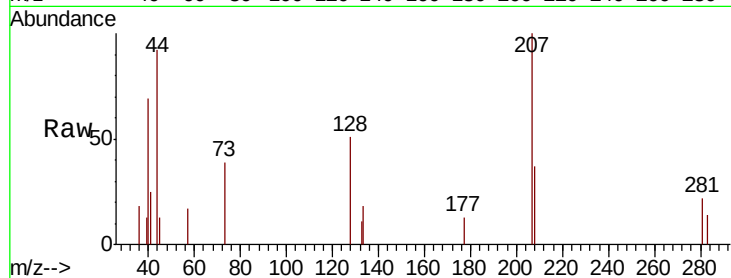
Tgt Ion:128 Resp: 332

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 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

