

Data File : VW012009.D
Acq On : 19 Aug 2019 23:55
Operator : SY/VA
Sample : K4386-04
Misc : 5.91G/5ML/MSVOA_W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T8-E1-(2)

Quant Time: Aug 20 05:16:00 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	283850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	389220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	174423	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
35) Dibromofluoromethane	7.88	113	141889	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
50) Toluene-d8	10.32	98	575735	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.62	95	183728	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	

Target Compounds

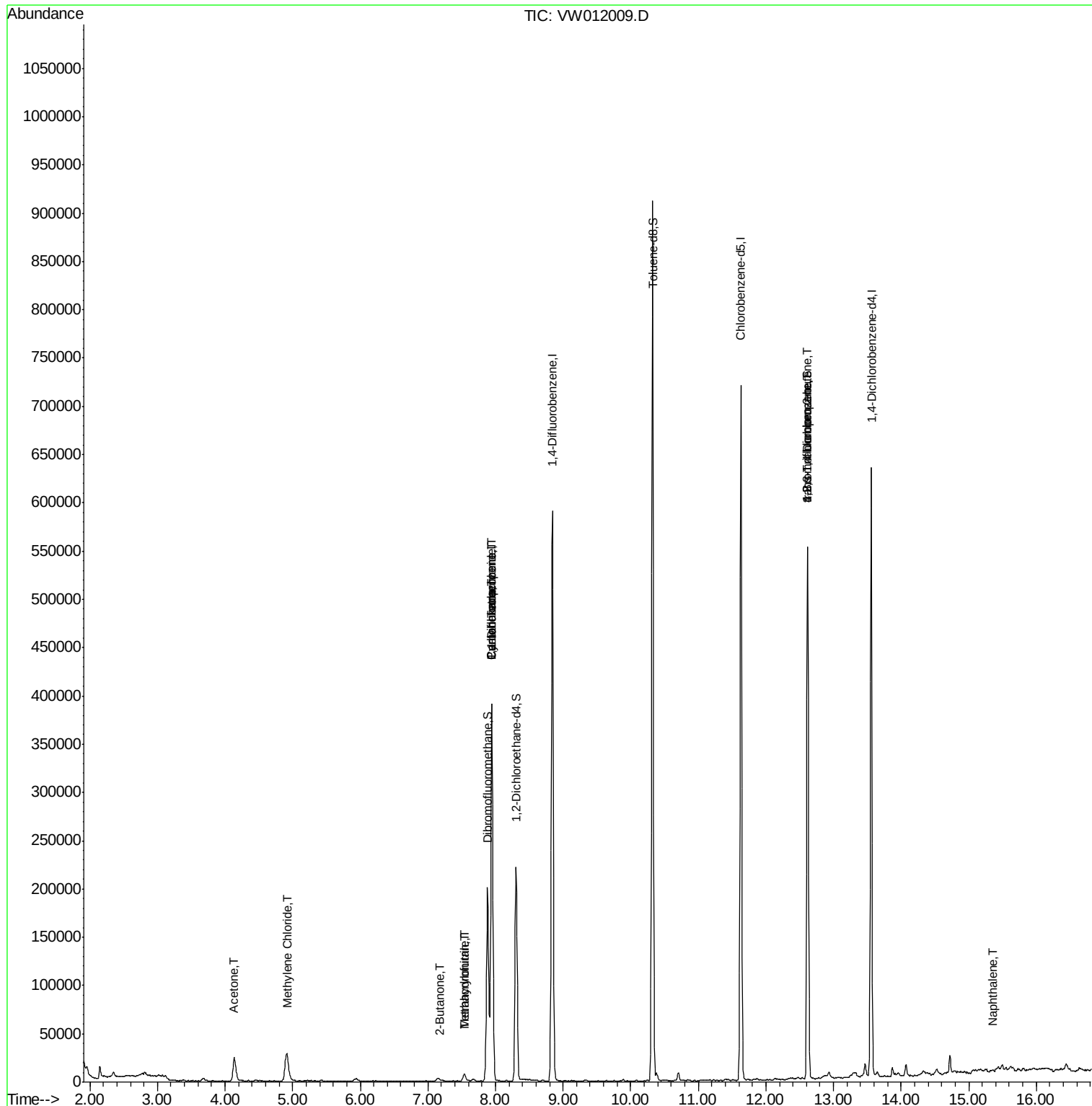
						Qvalue
11) Tert butyl alcohol	5.21	59	1315	Below Cal	#	77
16) Acetone	4.13	43	48670	46.942	ug/l	98
20) Methylene Chloride	4.91	84	23532	6.581	ug/l	94
25) 2-Butanone	7.18	43	2179	1.606	ug/l	92
29) Tetrahydrofuran	7.54	42	7385	9.523	ug/l	97
31) Cyclohexane	7.95	56	6899	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24170	4.919	ug/l #	52
38) Carbon Tetrachloride	7.95	117	29692	7.059	ug/l #	17
41) Methacrylonitrile	7.54	41	4227	2.501	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	95377	57.459	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	95377	132.422	ug/l #	6
95) Naphthalene	15.36	128	1146	2.243	ug/l	97

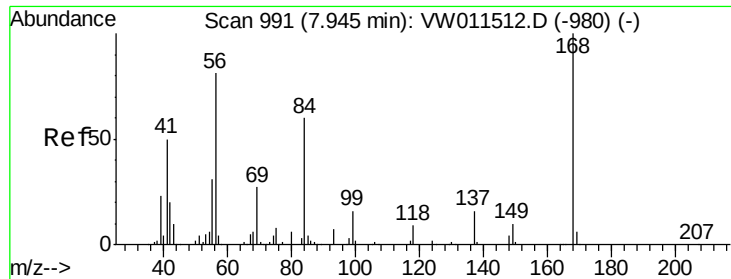
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012009.D

Acq: 19 Aug 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

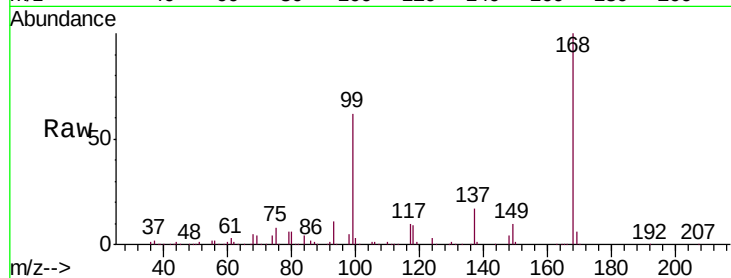
T8-E1-(2)

Tgt Ion:168 Resp: 283850

Ion Ratio Lower Upper

168 100

99 62.1 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

150000

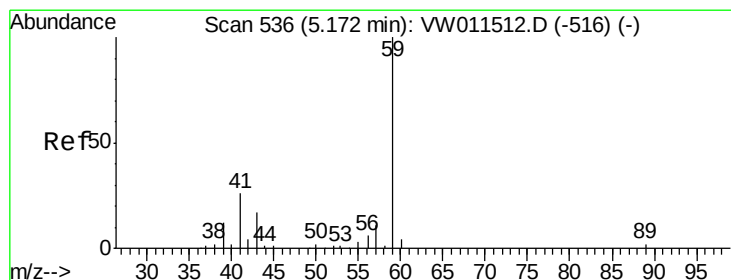
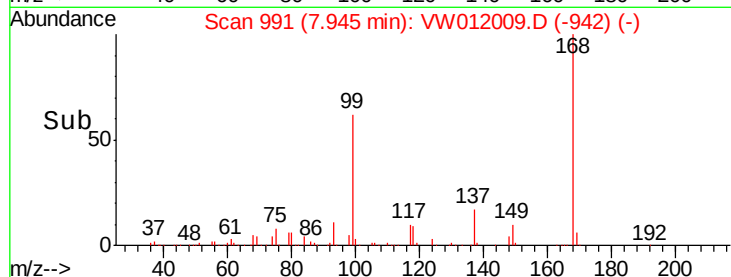
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 543

Delta R.T. 0.04 min

Lab File: VW012009.D

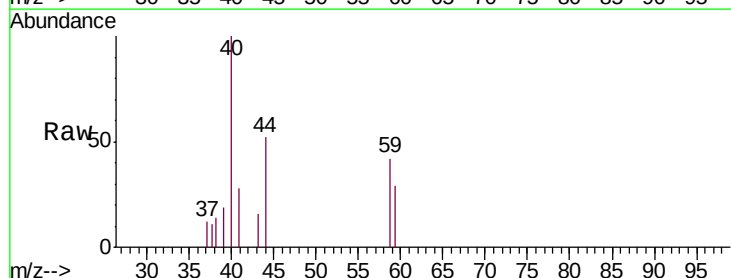
Acq: 19 Aug 2019 23:55

Tgt Ion: 59 Resp: 1315

Ion Ratio Lower Upper

59 100

57 2.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

400

300

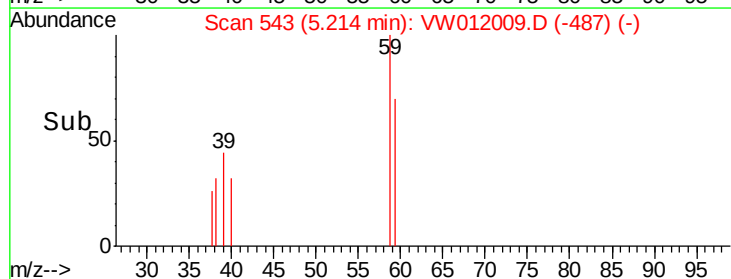
200

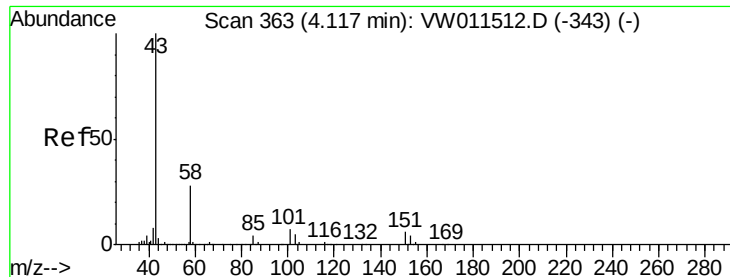
100

0

5.10 5.20 5.30

Time-->





#16

Acetone

Concen: 46.942 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012009.D

Acq: 19 Aug 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

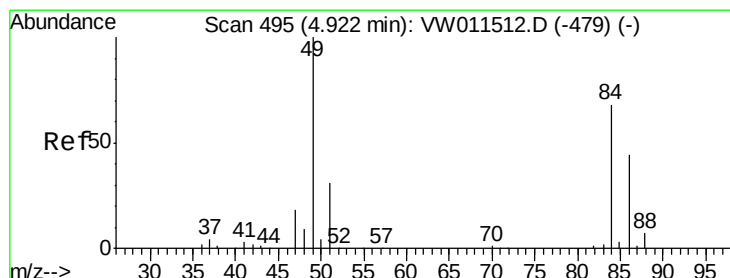
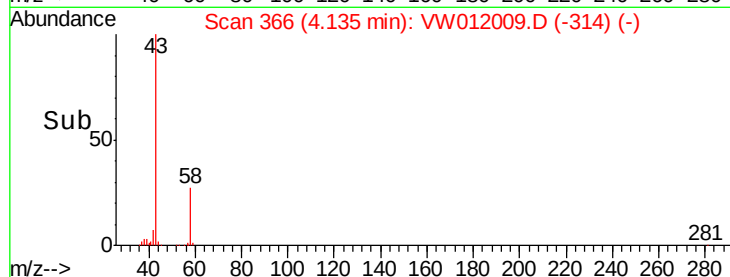
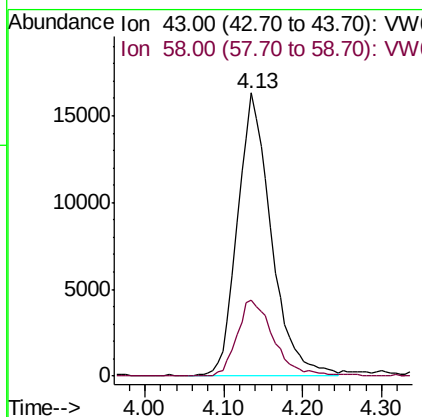
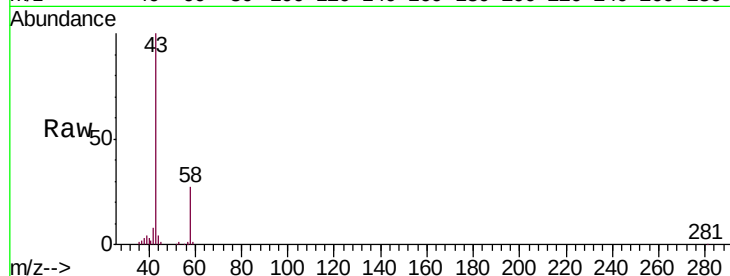
T8-E1-(2)

Tgt Ion: 43 Resp: 48670

Ion Ratio Lower Upper

43 100

58 26.9 22.3 33.5



#20

Methylene Chloride

Concen: 6.581 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012009.D

Acq: 19 Aug 2019 23:55

Tgt Ion: 84 Resp: 23532

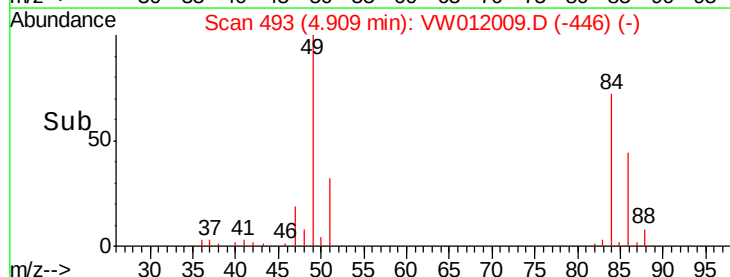
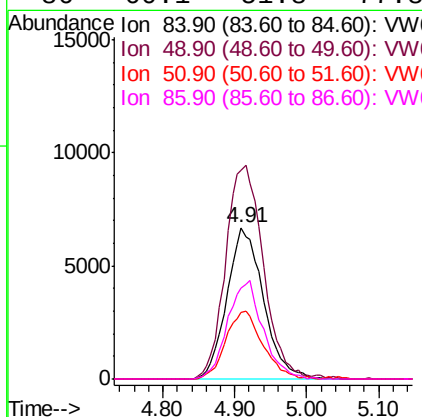
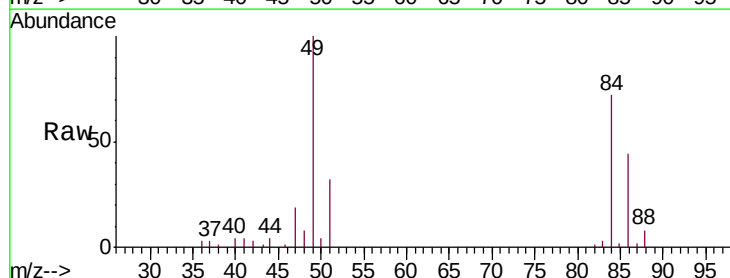
Ion Ratio Lower Upper

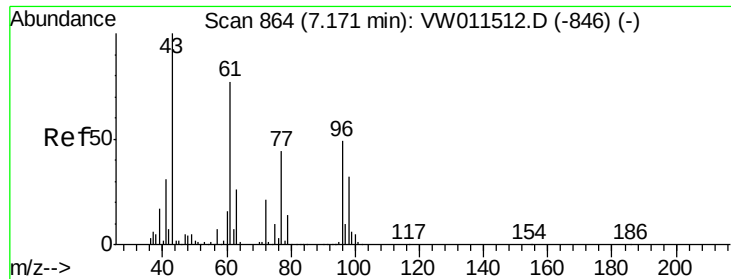
84 100

49 138.0 117.8 176.6

51 43.8 37.0 55.4

86 60.1 51.8 77.8





#25

2-Butanone

Concen: 1.606 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW012009.D

Acq: 19 Aug 2019 23:55

Instrument :

MSVOA_W

ClientSampled :

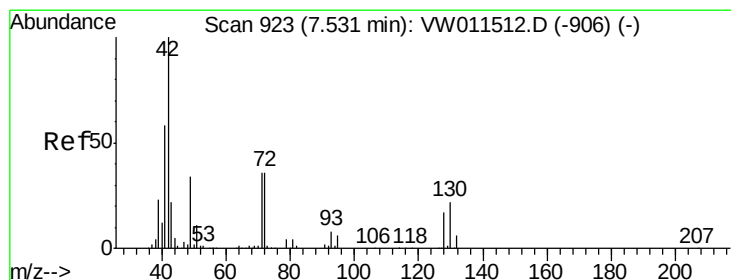
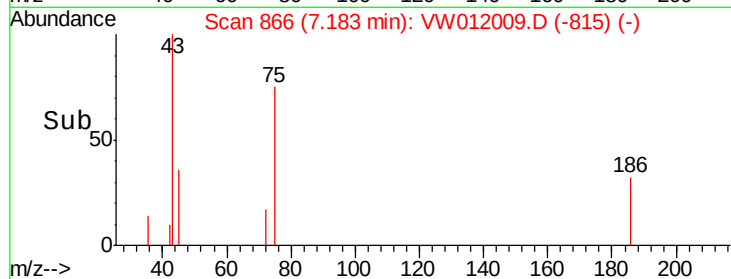
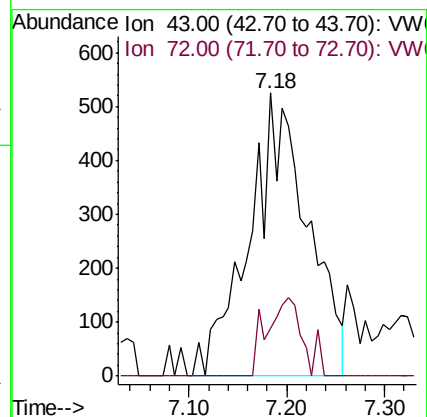
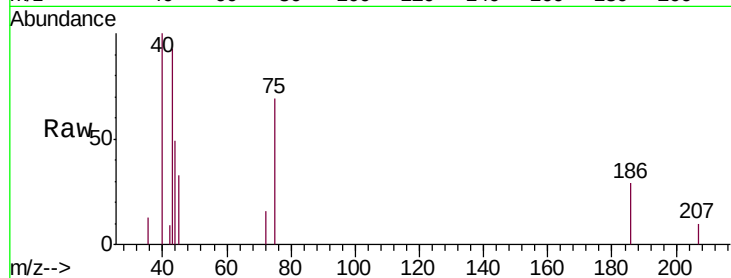
T8-E1-(2)

Tgt Ion: 43 Resp: 2179

Ion Ratio Lower Upper

43 100

72 16.8 16.6 24.8



#29

Tetrahydrofuran

Concen: 9.523 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012009.D

Acq: 19 Aug 2019 23:55

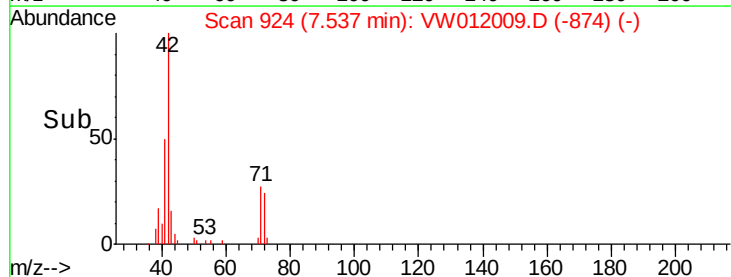
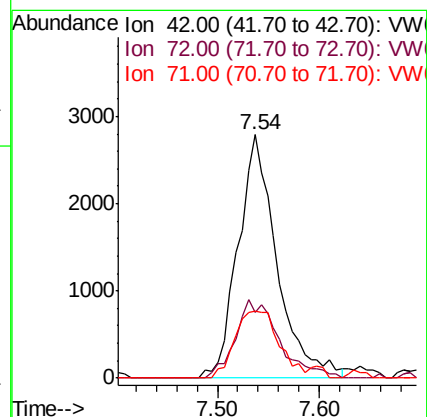
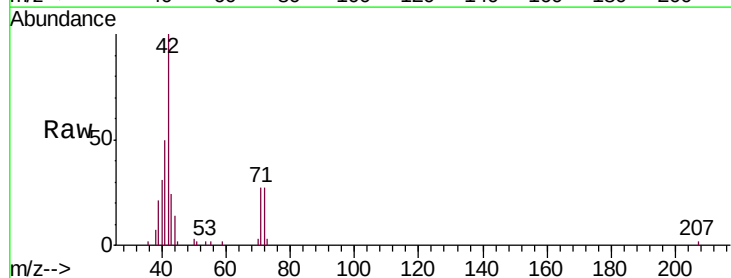
Tgt Ion: 42 Resp: 7385

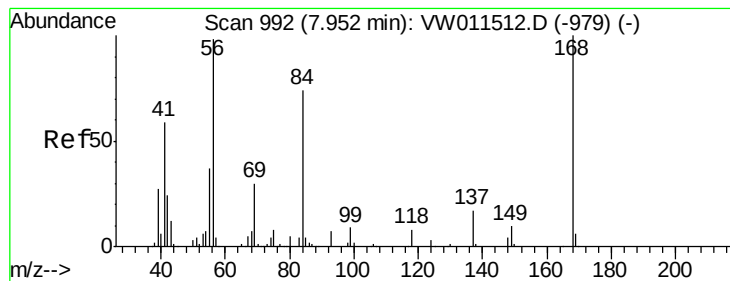
Ion Ratio Lower Upper

42 100

72 36.0 27.1 40.7

71 31.1 26.2 39.4





#31

Cyclohexane

Concen: 1.132 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012009.D

Acq: 19 Aug 2019 23:55

Instrument :
MSVOA_W
ClientSampleId :
T8-E1-(2)

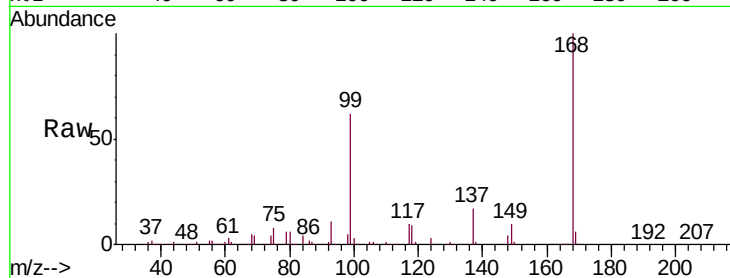
Tgt Ion: 56 Resp: 6899

Ion Ratio Lower Upper

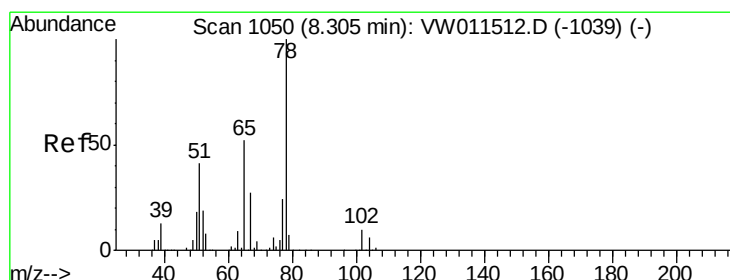
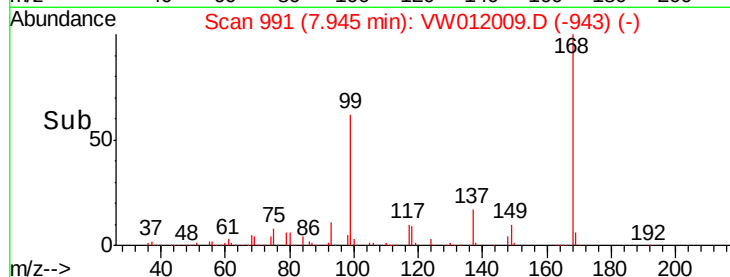
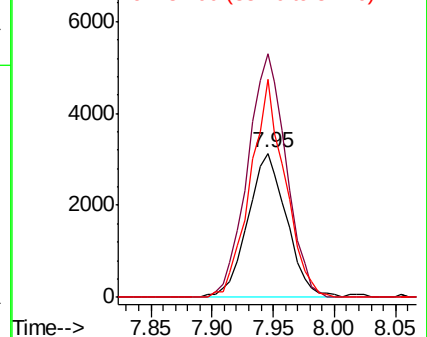
56 100

69 169.0 24.3 36.5#

84 151.0 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: 53.514 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012009.D

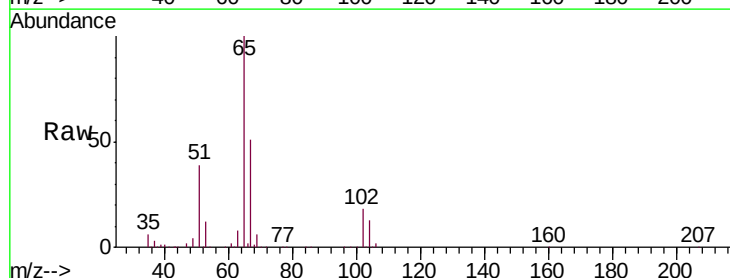
Acq: 19 Aug 2019 23:55

Tgt Ion: 65 Resp: 174423

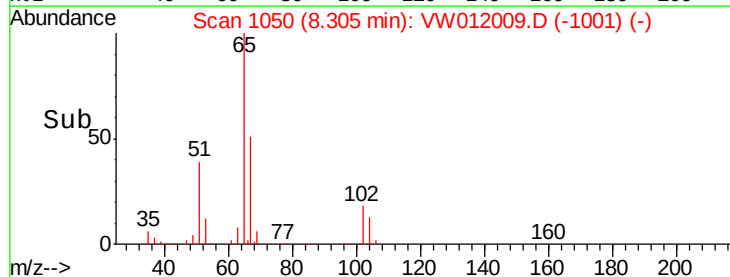
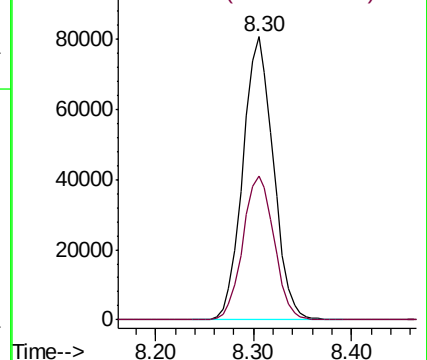
Ion Ratio Lower Upper

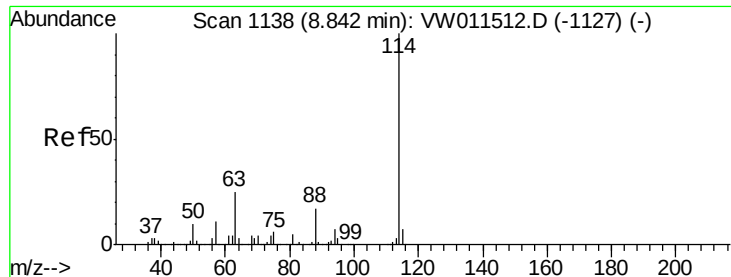
65 100

67 52.2 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: VW012009.D

Acq: 19 Aug 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

T8-E1-(2)

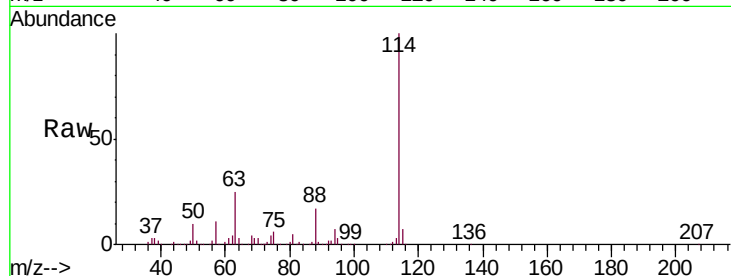
Tgt Ion:114 Resp: 472551

Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.2

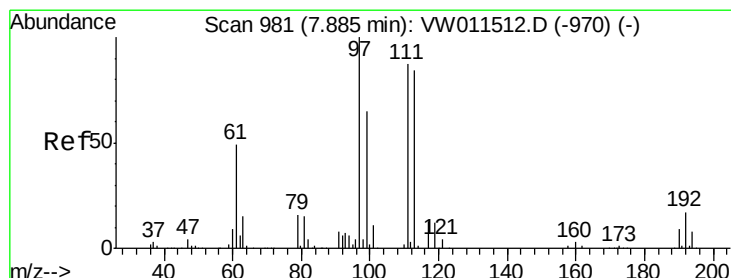
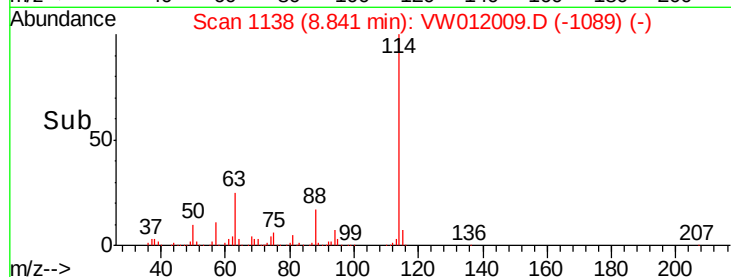
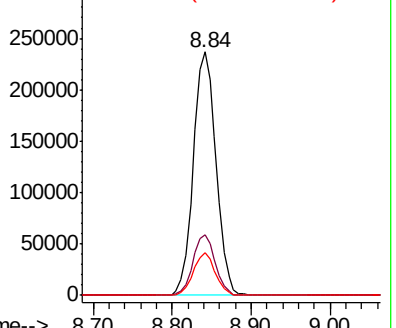
88 17.5 0.0 33.8



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: 53.521 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012009.D

Acq: 19 Aug 2019 23:55

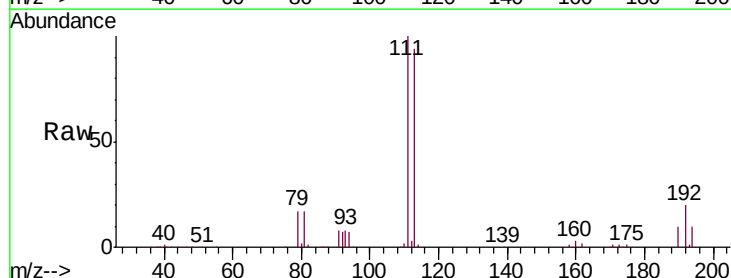
Tgt Ion:113 Resp: 141889

Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

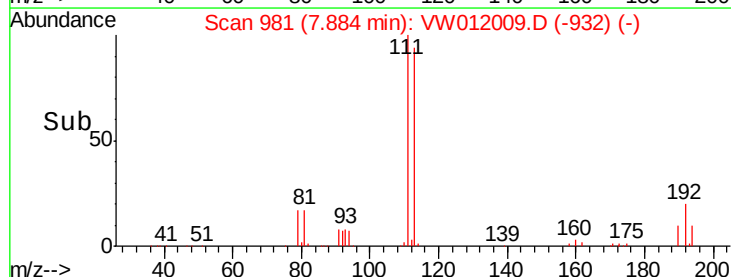
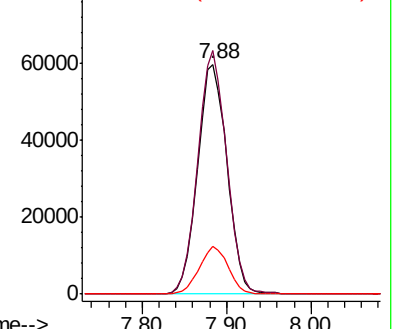
192 20.3 16.1 24.1

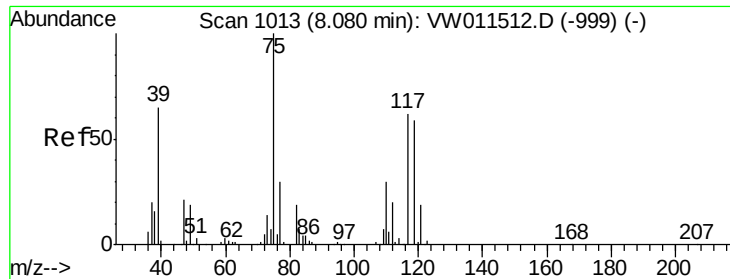


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

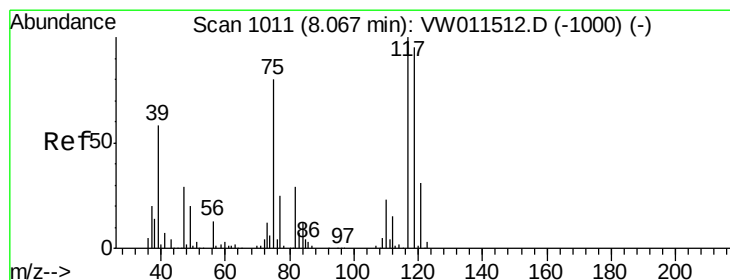
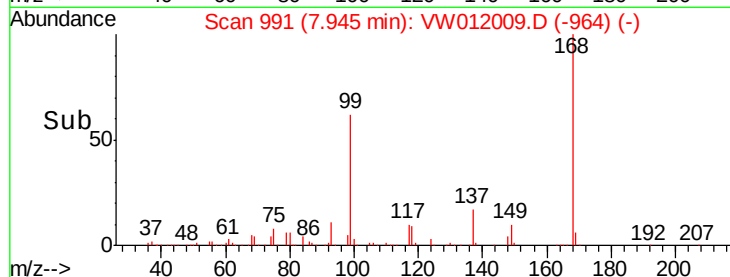
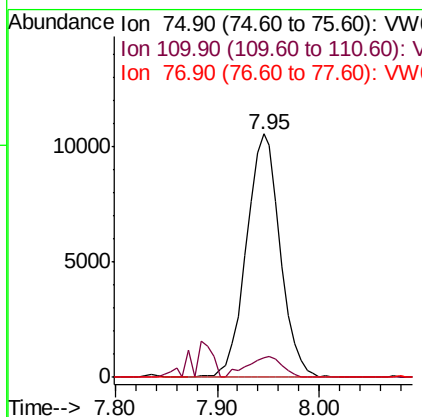
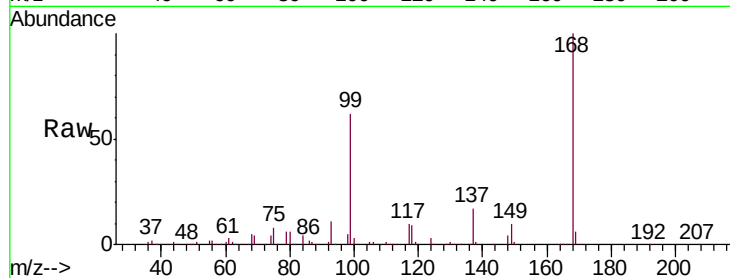




#36
 1,1-Dichloropropene
 Concen: 4.919 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012009.D
 Acq: 19 Aug 2019 23:55

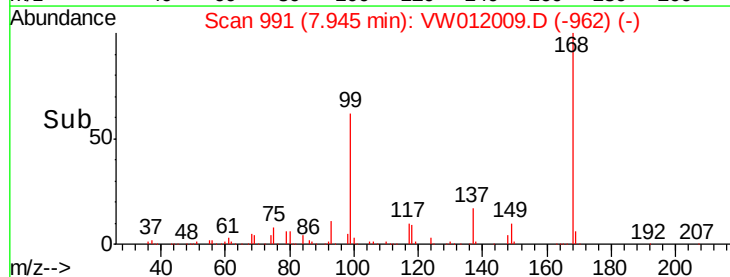
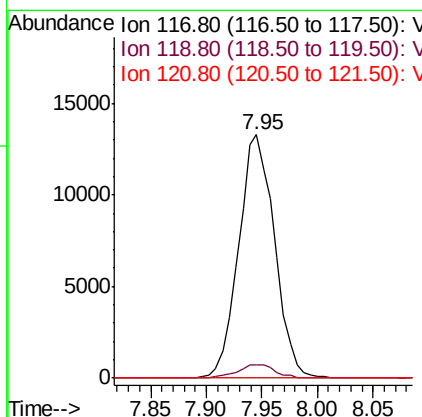
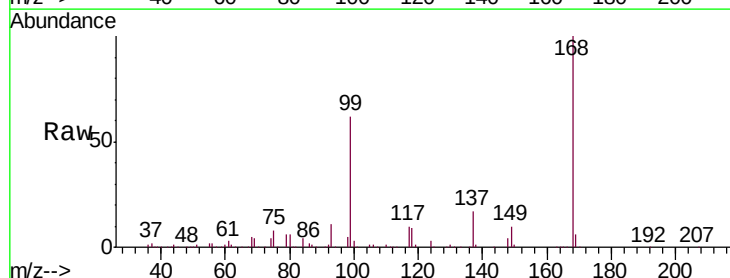
Instrument :
 MSVOA_W
 ClientSampled :
 T8-E1-(2)

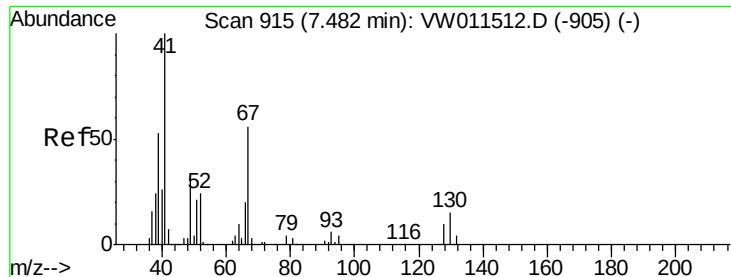
Tgt Ion: 75 Resp: 24170
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.059 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012009.D
 Acq: 19 Aug 2019 23:55

Tgt Ion: 117 Resp: 29692
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.8 113.6#
 121 0.0 24.7 37.1#





#41

Methacrylonitrile

Concen: 2.501 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012009.D

Acq: 19 Aug 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

T8-E1-(2)

Tgt Ion: 41 Resp: 4227

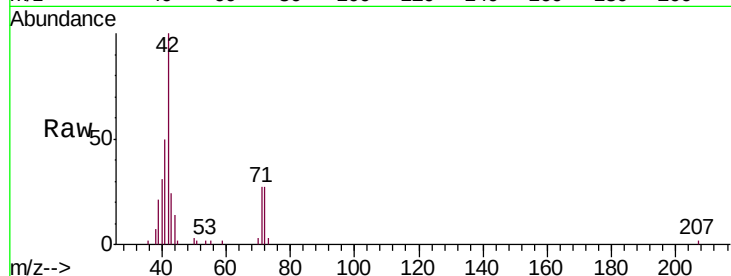
Ion Ratio Lower Upper

41 100

39 49.0 43.0 64.4

67 0.5 47.5 71.3#

52 0.0 21.0 31.6#

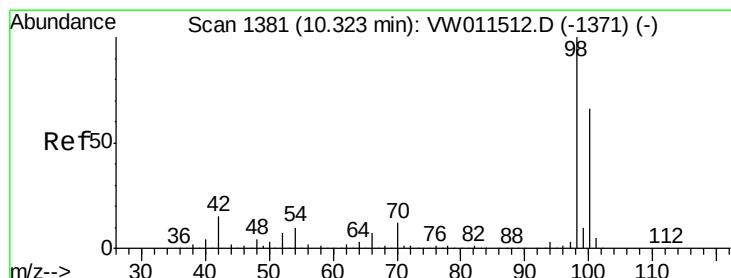
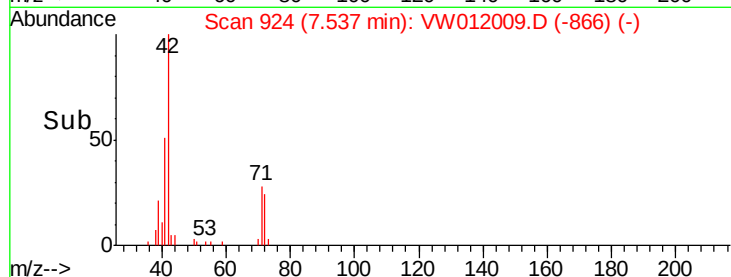
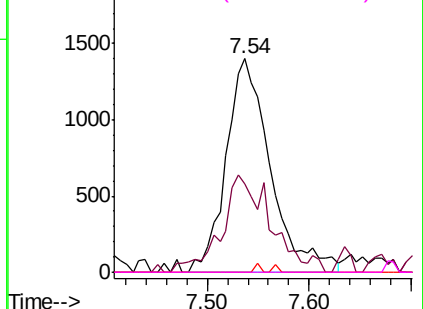


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 53.042 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012009.D

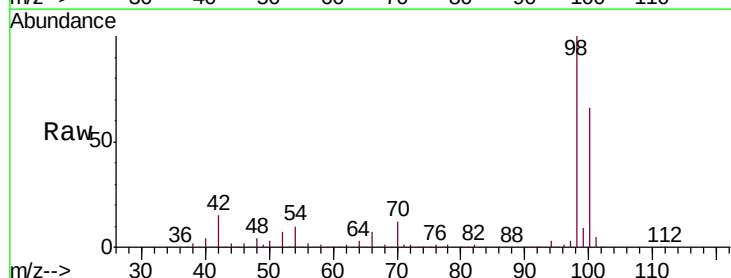
Acq: 19 Aug 2019 23:55

Tgt Ion: 98 Resp: 575735

Ion Ratio Lower Upper

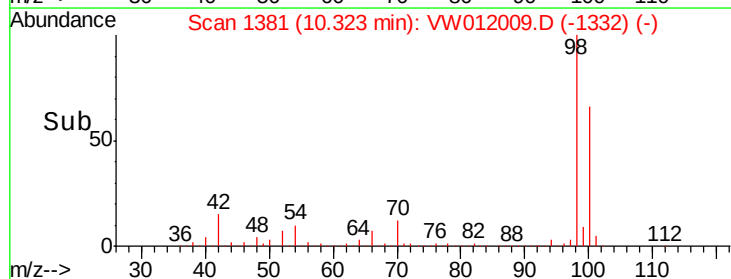
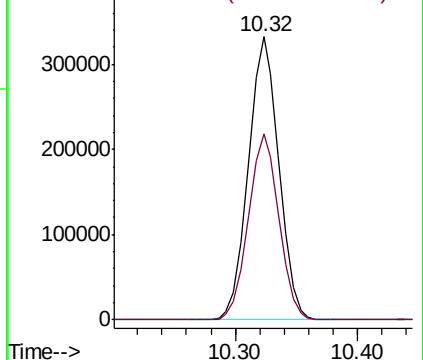
98 100

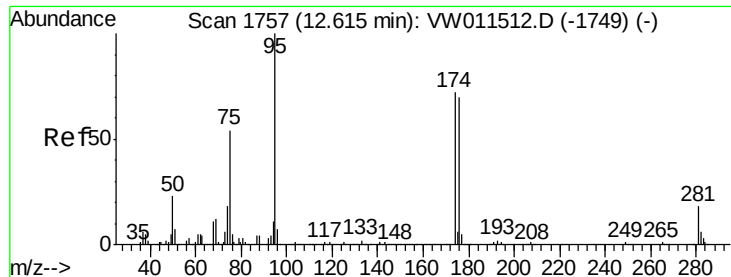
100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 47.477 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012009.D

Acq: 19 Aug 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

T8-E1-(2)

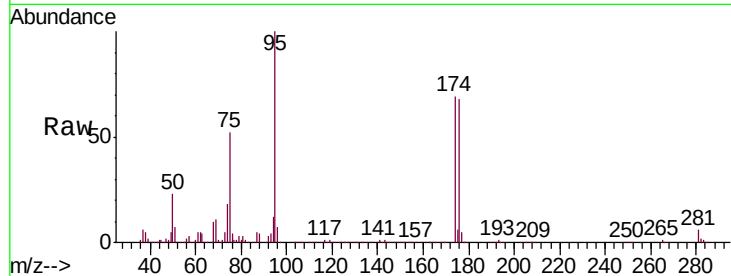
Tgt Ion: 95 Resp: 183728

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

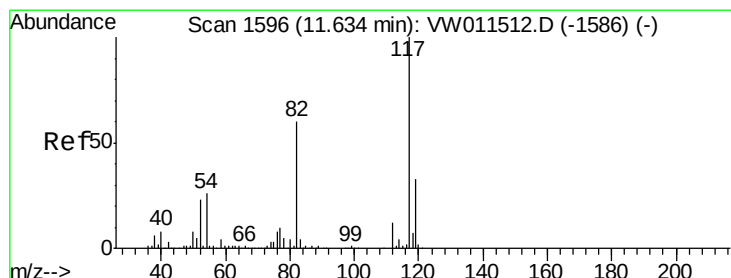
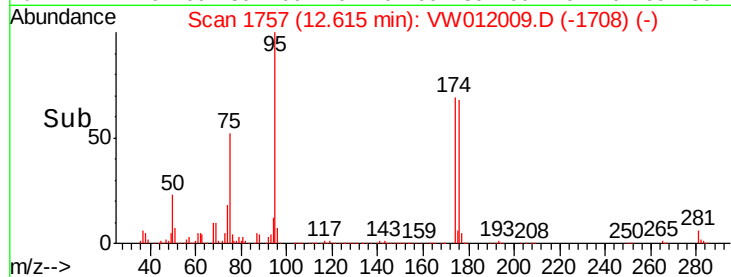
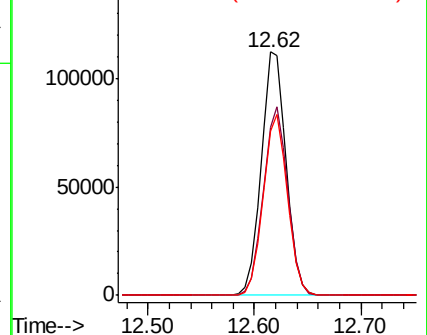
176 72.8 0.0 144.4



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: VW012009.D

Acq: 19 Aug 2019 23:55

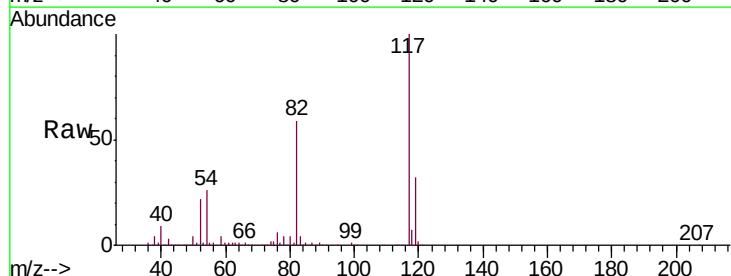
Tgt Ion: 117 Resp: 389220

Ion Ratio Lower Upper

117 100

82 59.0 47.9 71.9

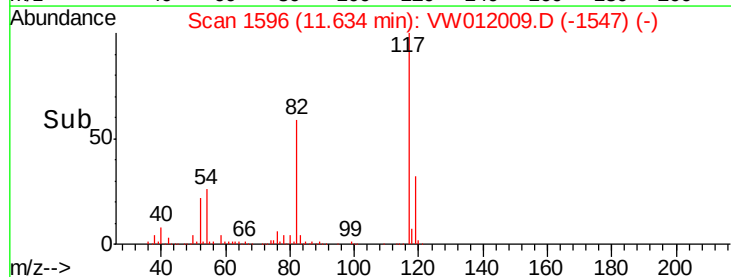
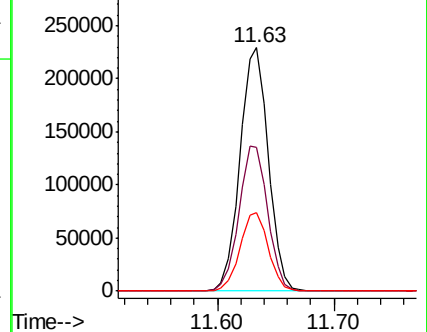
119 32.1 26.2 39.2

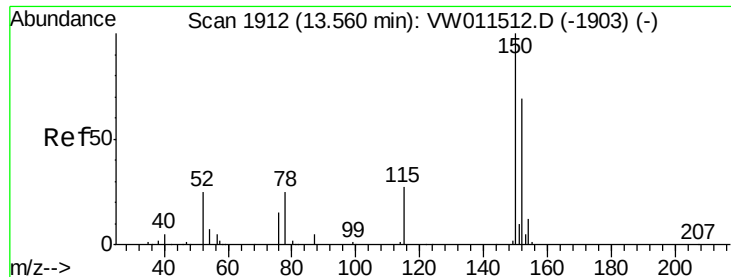


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



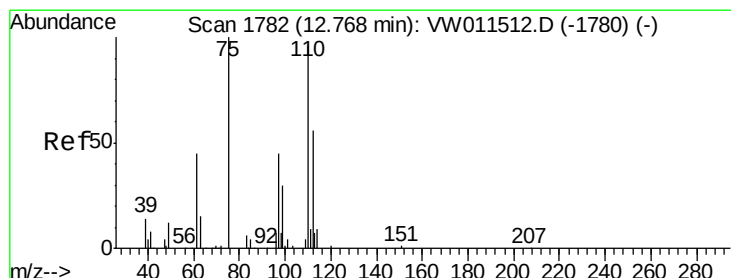
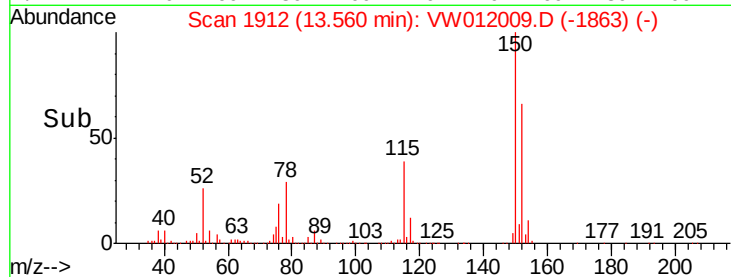
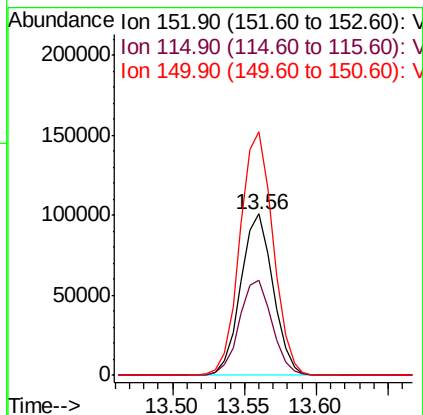
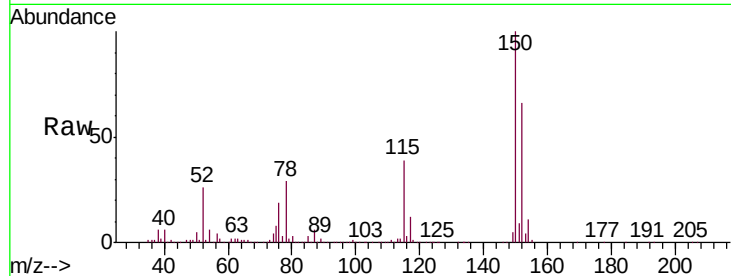


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012009.D
Acq: 19 Aug 2019 23:55

Instrument :
MSVOA_W
ClientSampleId :
T8-E1-(2)

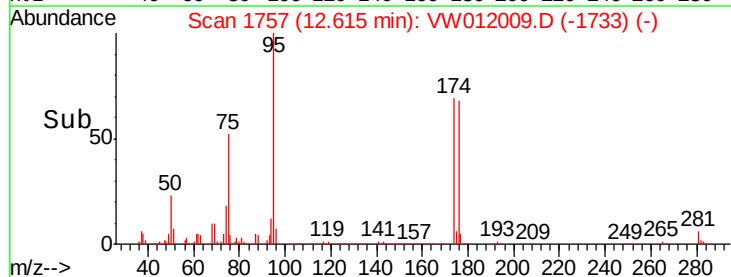
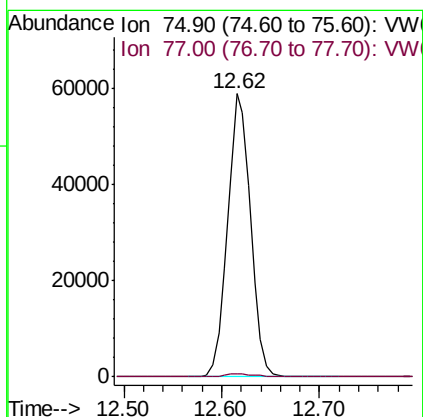
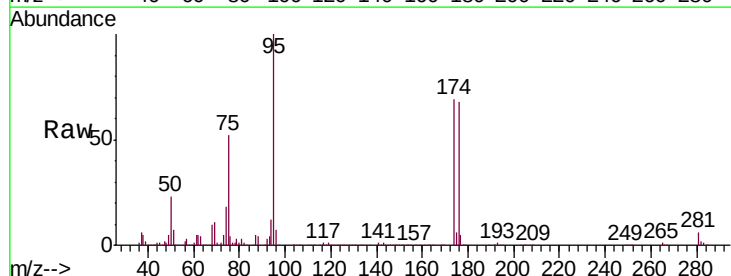
Tgt Ion:152 Resp: 156876
Ion Ratio Lower Upper
152 100
115 59.8 30.5 91.5
150 154.5 0.0 352.6

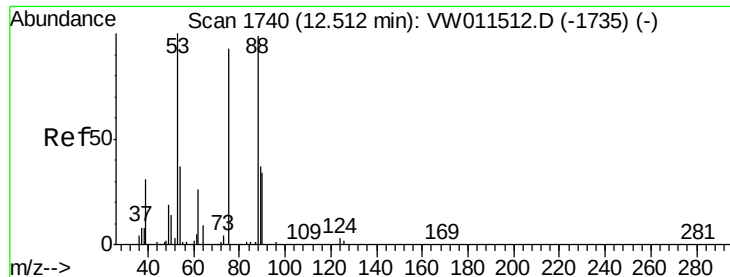


#76

1,2,3-Trichloropropane
Concen: 57.459 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012009.D
Acq: 19 Aug 2019 23:55

Tgt Ion: 75 Resp: 95377
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 132.422 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012009.D

Acq: 19 Aug 2019 23:55

Instrument :

MSVOA_W

ClientSampleId :

T8-E1-(2)

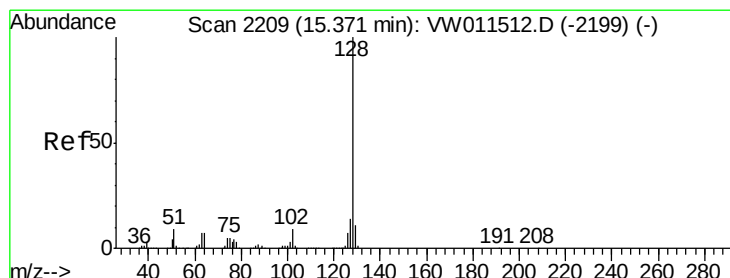
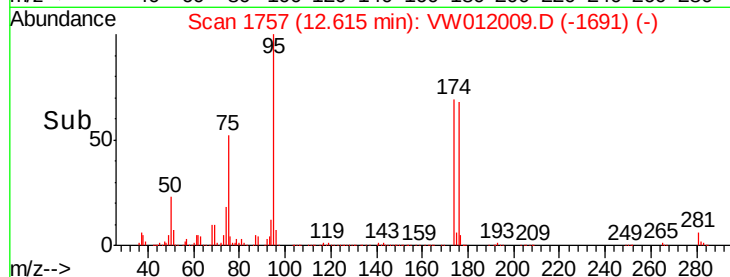
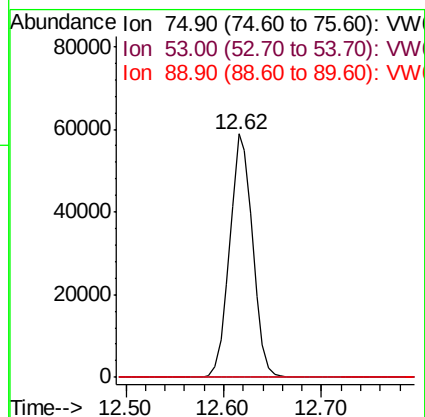
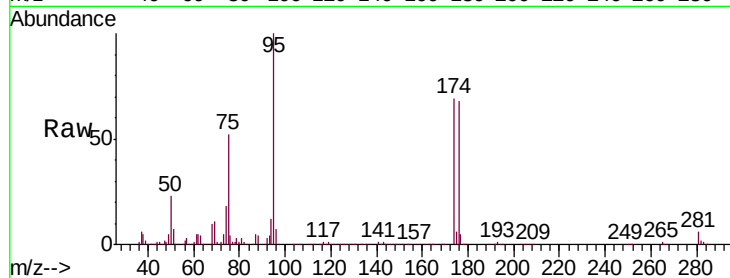
Tgt Ion: 75 Resp: 95377

Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.243 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012009.D

Acq: 19 Aug 2019 23:55

Tgt Ion: 128 Resp: 1146

Ion Ratio Lower Upper

128 100

127 14.5 10.6 16.0

129 9.6 8.6 13.0

