

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
 Data File : VW008106.D
 Acq On : 09 Jan 2019 16:37
 Operator : SY/AP
 Sample : K1074-02
 Misc : 5.68G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 W12-1

Quant Time: Jan 10 05:58:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	94817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	160721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	141252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66505	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52727	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	7.88	113	49789	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
50) Toluene-d8	10.32	98	198555	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.62	95	66954	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	

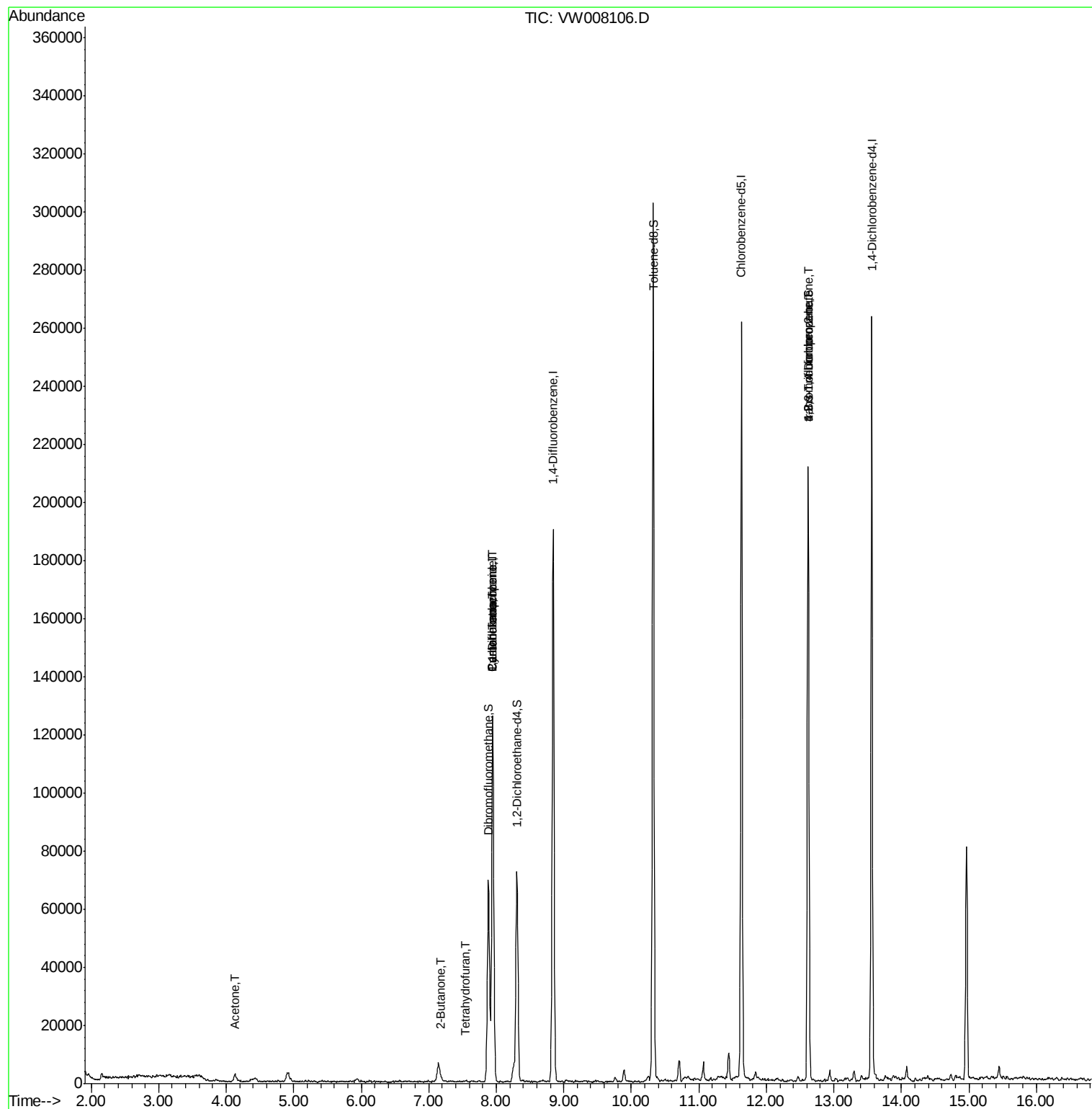
Target Compounds					Qvalue
11) Tert butyl alcohol	5.24	59	38	Below Cal	# 100
16) Acetone	4.14	43	4410	2.046	ug/l 90
20) Methylene Chloride	4.90	84	2246	Below Cal	# 78
25) 2-Butanone	7.18	43	1080	3.642	ug/l # 49
29) Tetrahydrofuran	7.54	42	227	1.146	ug/l # 57
31) Cyclohexane	7.95	56	2306	1.028	ug/l # 1
36) 1,1-Dichloropropene	7.95	75	7379	4.457	ug/l # 48
38) Carbon Tetrachloride	7.95	117	9237	6.096	ug/l # 16
76) 1,2,3-Trichloropropane	12.62	75	33580	55.388	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.62	75	33580	128.982	ug/l # 10

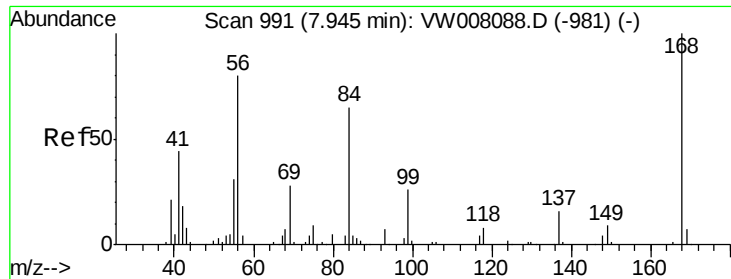
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008106.D

Acq: 09 Jan 2019 16:37

Instrument :

MSVOA_W

ClientSampleId :

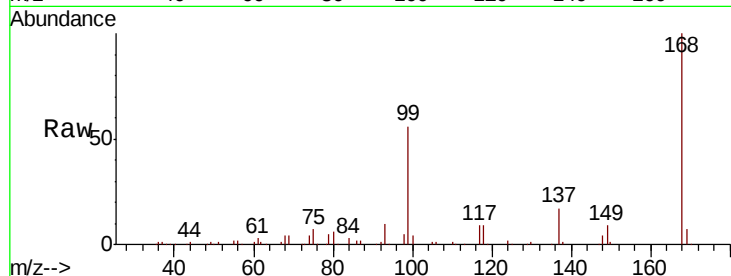
W12-1

Tgt Ion:168 Resp: 94817

Ion Ratio Lower Upper

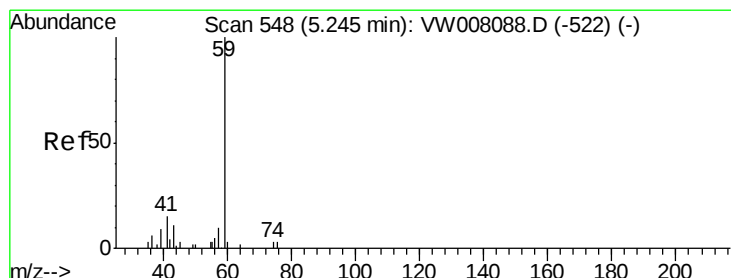
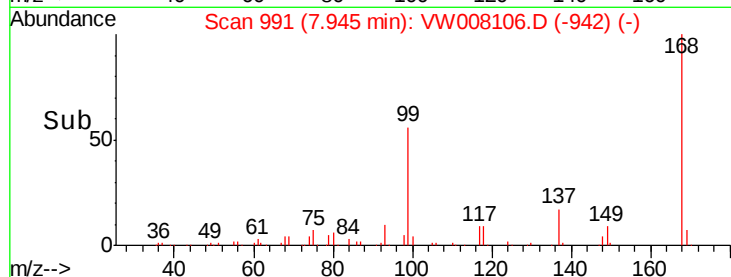
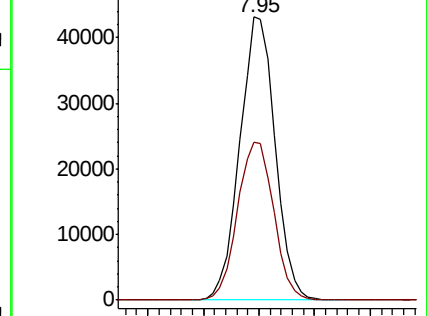
168 100

99 55.7 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 548

Delta R.T. 0.00 min

Lab File: VW008106.D

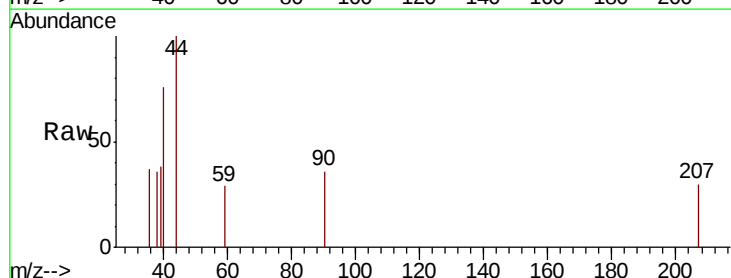
Acq: 09 Jan 2019 16:37

Tgt Ion: 59 Resp: 38

Ion Ratio Lower Upper

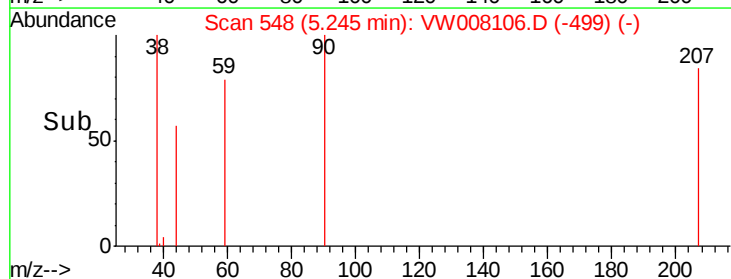
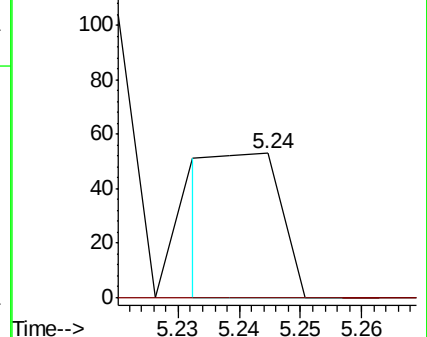
59 100

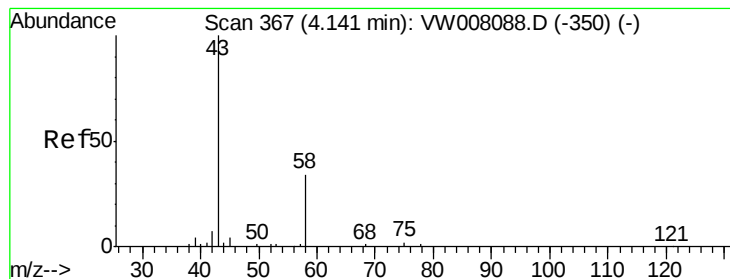
57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.046 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW008106.D

Acq: 09 Jan 2019 16:37

Instrument :

MSVOA_W

ClientSampleId :

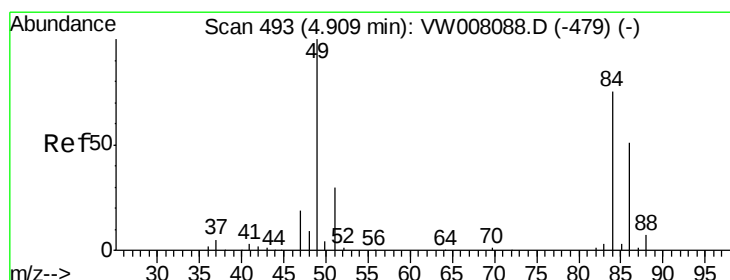
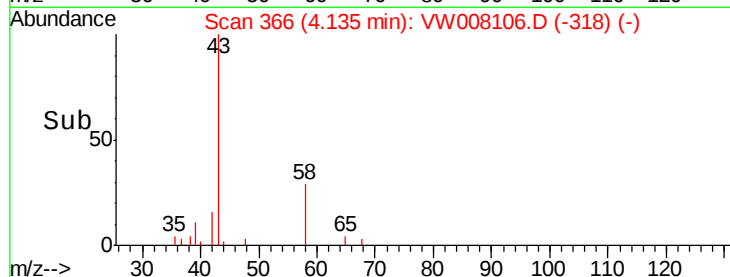
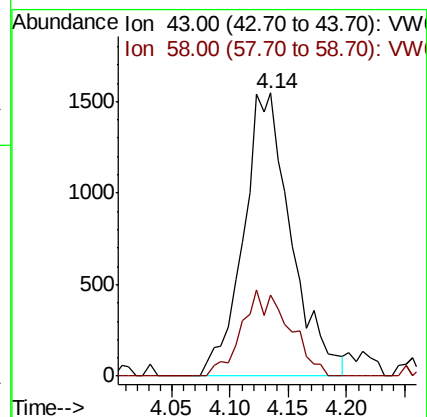
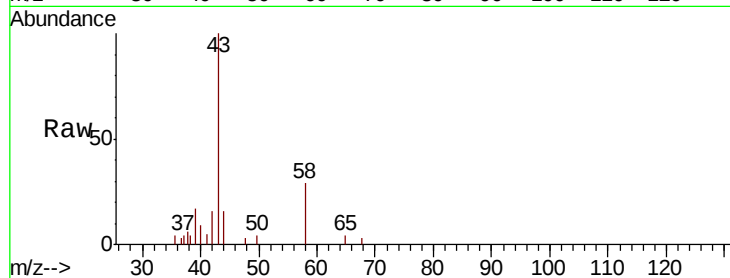
W12-1

Tgt Ion: 43 Resp: 4410

Ion Ratio Lower Upper

43 100

58 28.7 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW008106.D

Acq: 09 Jan 2019 16:37

Tgt Ion: 84 Resp: 2246

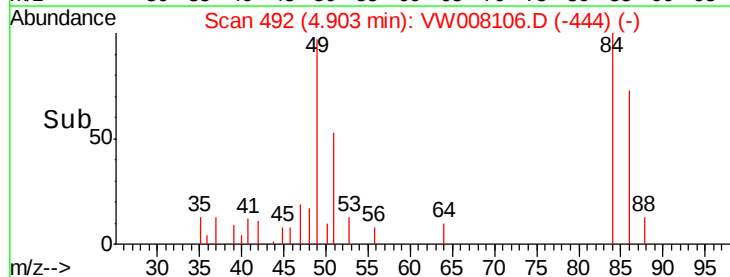
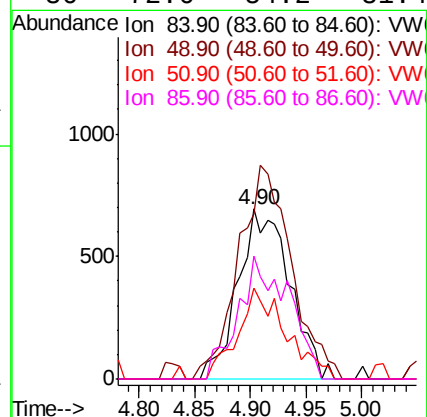
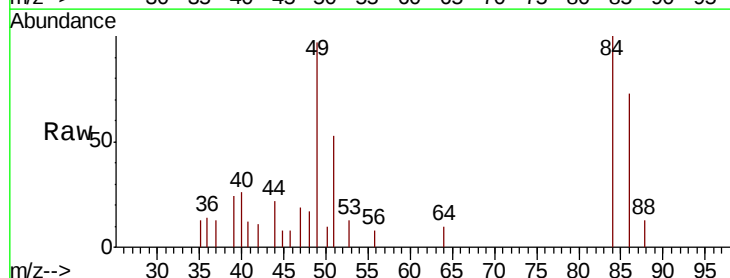
Ion Ratio Lower Upper

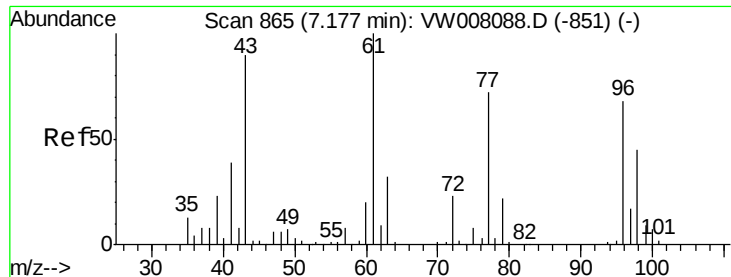
84 100

49 97.1 107.1 160.7#

51 53.4 32.4 48.6#

86 72.6 54.2 81.4





#25

2-Butanone

Concen: 3.642 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008106.D

Acq: 09 Jan 2019 16:37

Instrument :

MSVOA_W

ClientSampled :

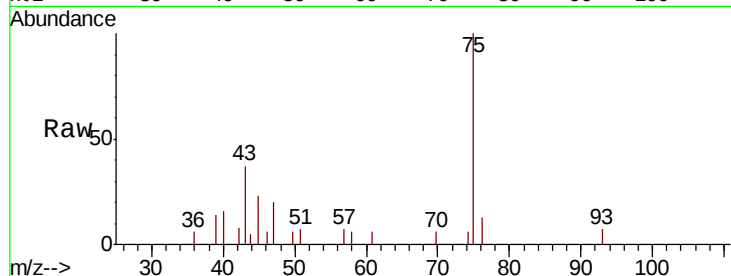
W12-1

Tgt Ion: 43 Resp: 1080

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

300

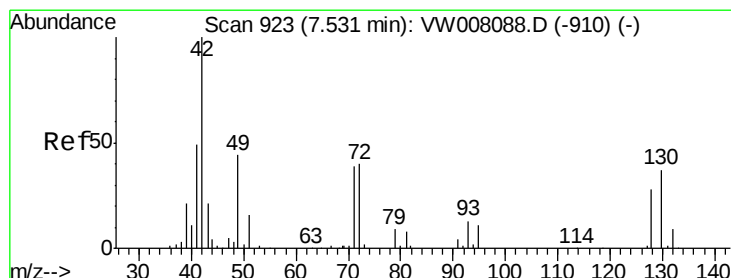
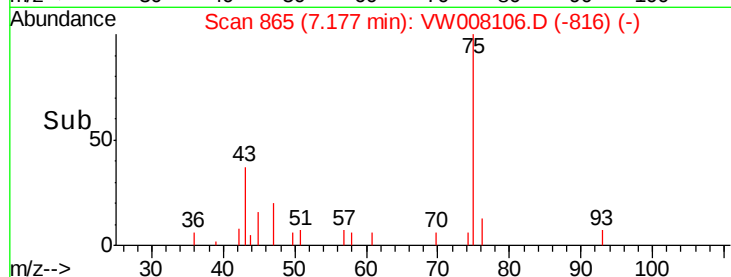
200

100

0

7.10 7.15 7.20 7.25

Time-->



#29

Tetrahydrofuran

Concen: 1.146 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW008106.D

Acq: 09 Jan 2019 16:37

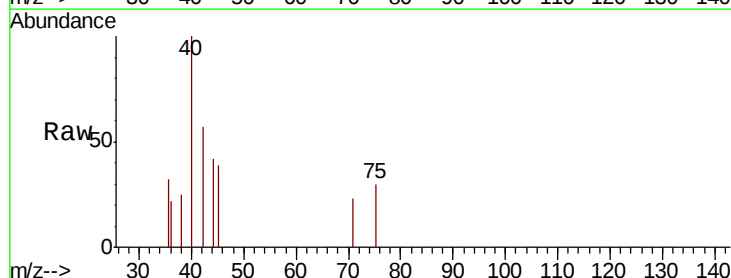
Tgt Ion: 42 Resp: 227

Ion Ratio Lower Upper

42 100

72 8.8 32.4 48.6#

71 17.6 31.3 46.9#



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

150

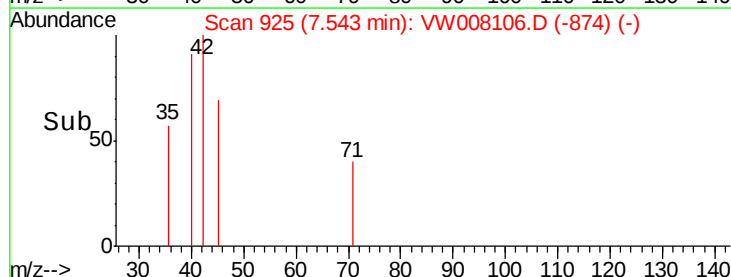
100

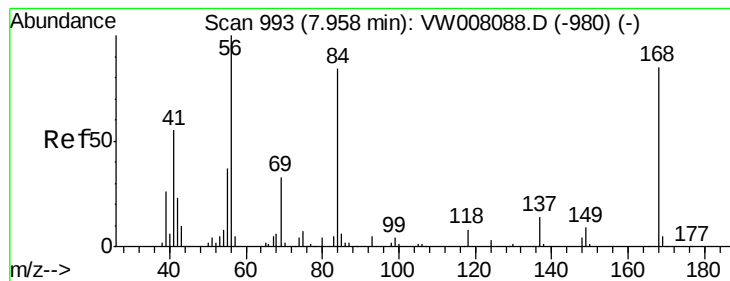
50

0

7.52 7.54 7.56

Time-->





#31

Cyclohexane

Concen: 1.028 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008106.D

Acq: 09 Jan 2019 16:37

Instrument :

MSVOA_W

ClientSampled :

W12-1

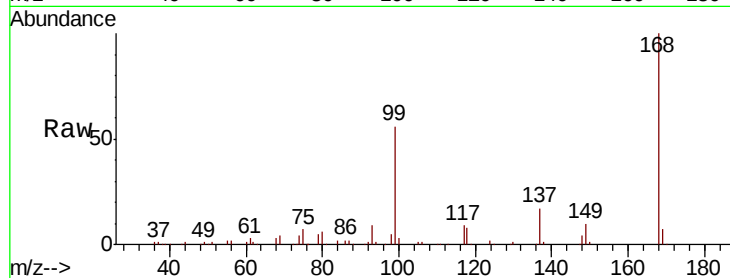
Tgt Ion: 56 Resp: 2306

Ion Ratio Lower Upper

56 100

69 192.1 26.2 39.4#

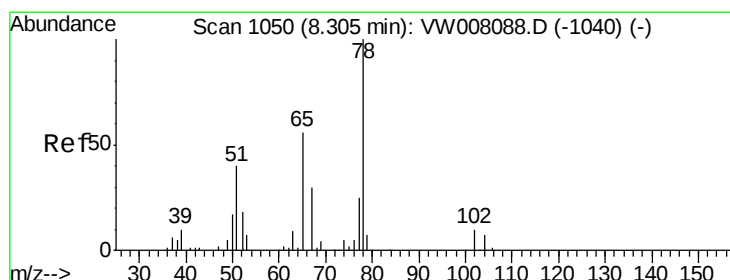
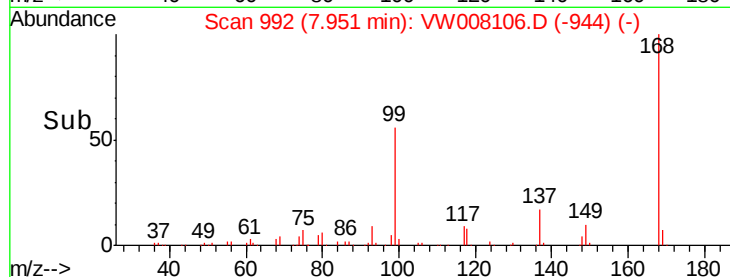
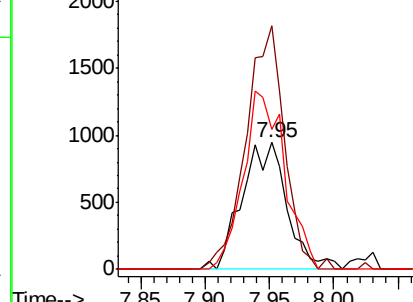
84 110.5 67.4 101.2#



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: 49.478 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008106.D

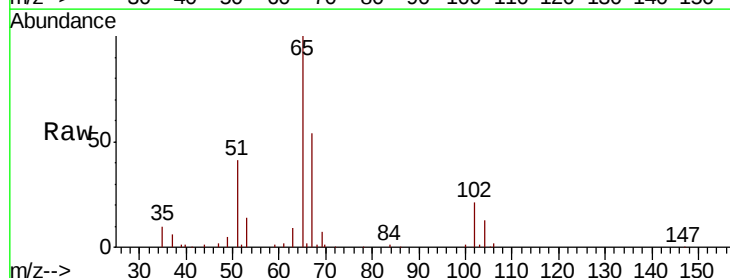
Acq: 09 Jan 2019 16:37

Tgt Ion: 65 Resp: 52727

Ion Ratio Lower Upper

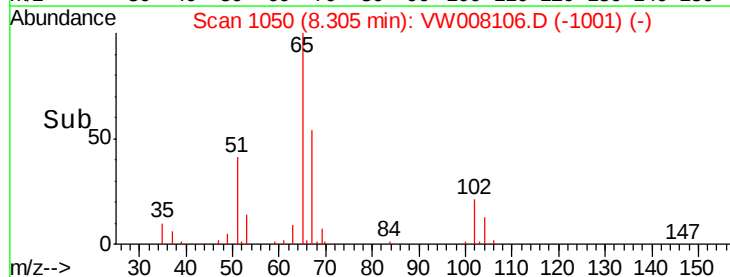
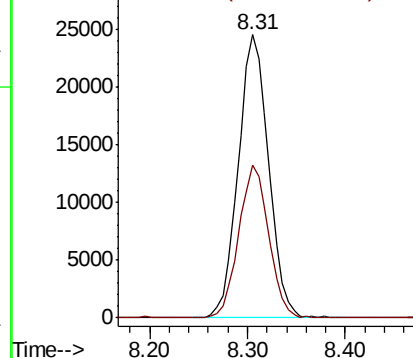
65 100

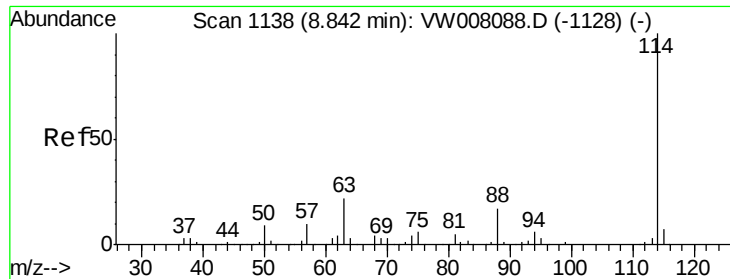
67 53.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

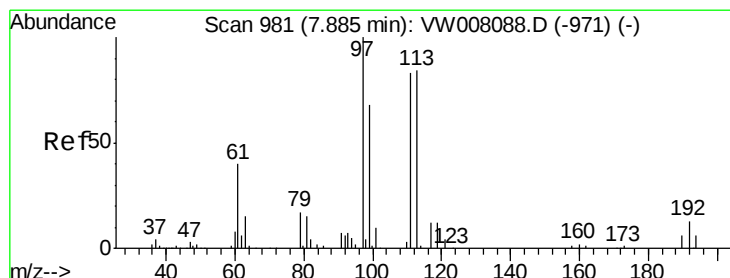
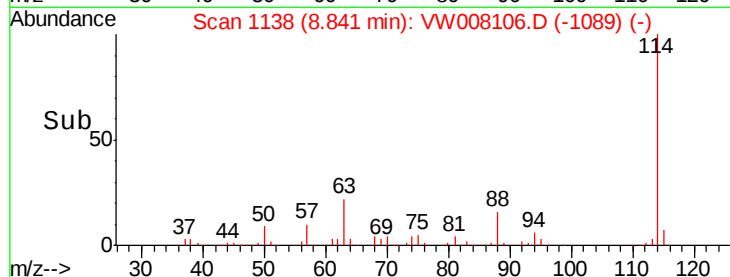
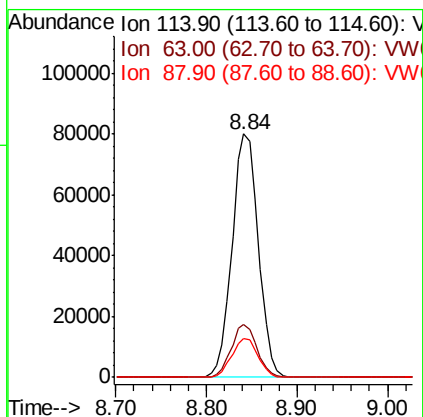
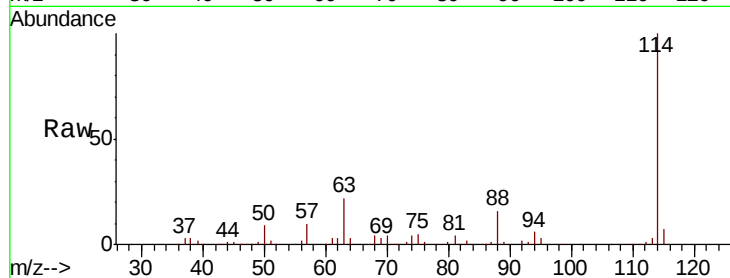




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008106.D
 Acq: 09 Jan 2019 16:37

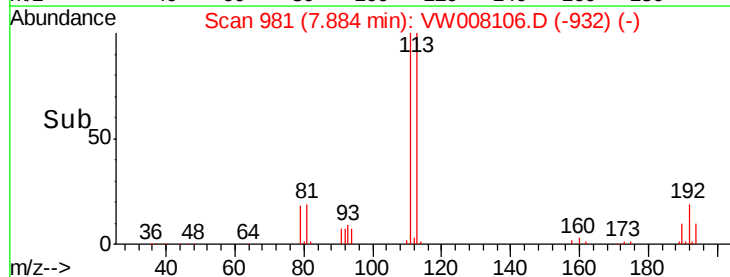
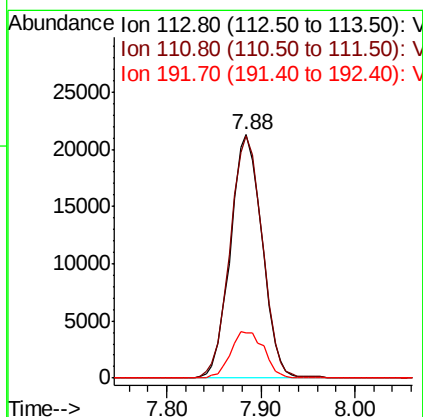
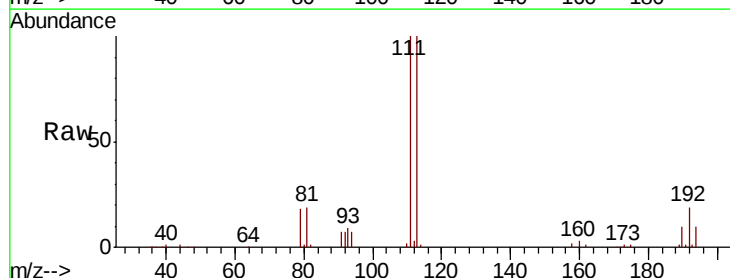
Instrument :
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 W12-1

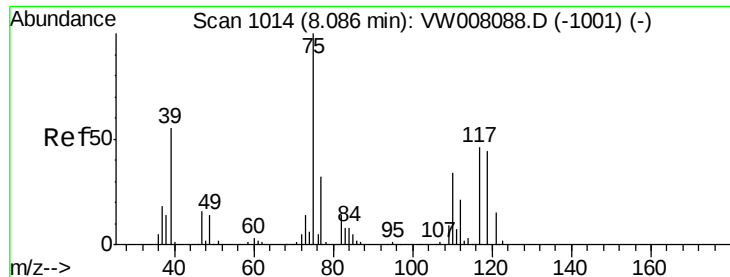
Tgt Ion:114 Resp: 160721
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 16.0 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 53.115 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008106.D
 Acq: 09 Jan 2019 16:37

Tgt Ion:113 Resp: 49789
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.8 122.8
 192 20.2 12.8 19.2#

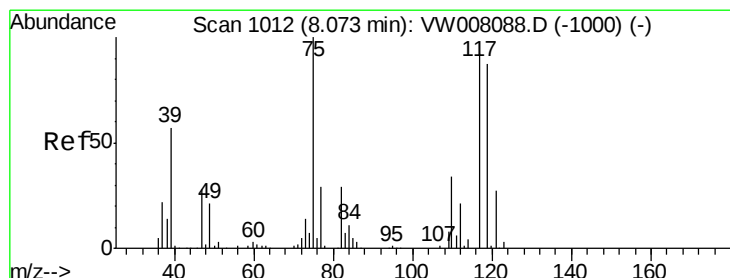
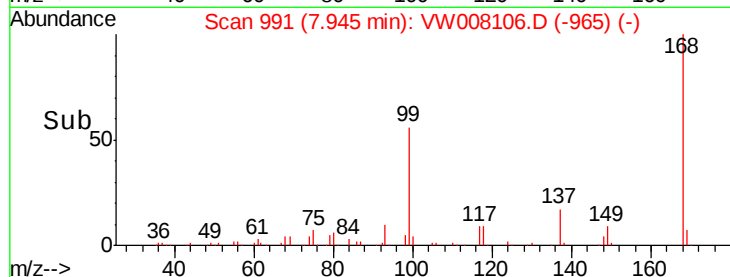
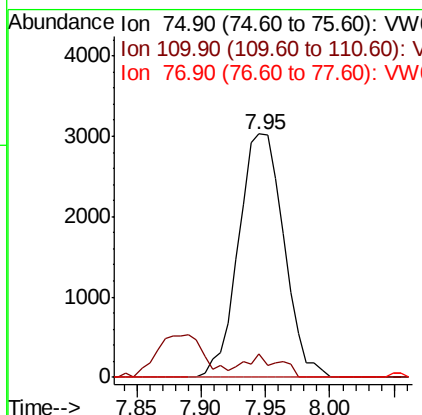
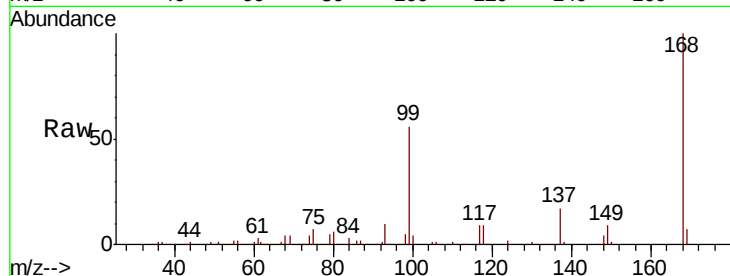




#36
 1,1-Dichloropropene
 Concen: 4.457 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008106.D
 Acq: 09 Jan 2019 16:37

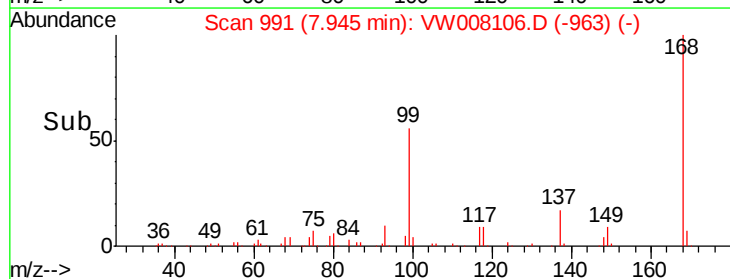
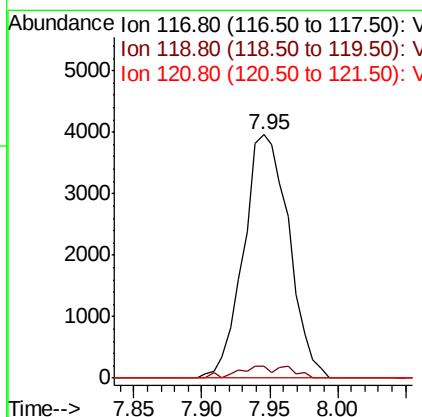
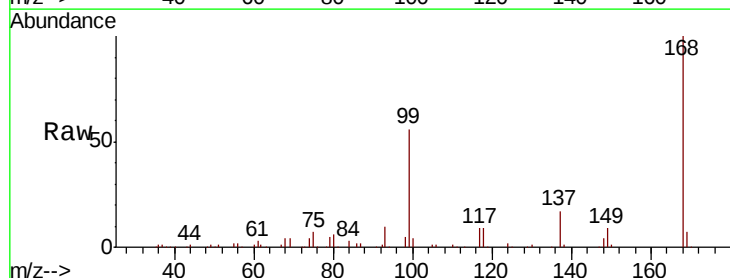
Instrument :
 MSVOA_W
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 W12-1

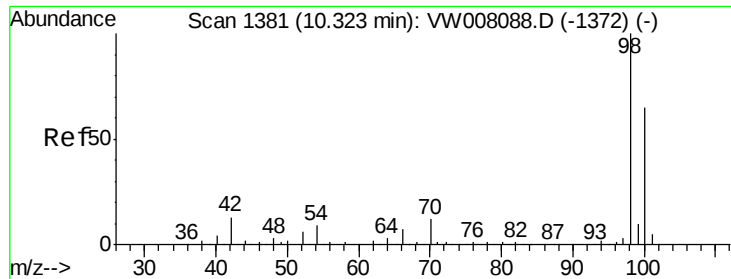
Tgt Ion: 75 Resp: 7379
 Ion Ratio Lower Upper
 75 100
 110 7.3 17.1 51.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.096 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008106.D
 Acq: 09 Jan 2019 16:37

Tgt Ion: 117 Resp: 9237
 Ion Ratio Lower Upper
 117 100
 119 5.1 75.8 113.8#
 121 0.0 23.7 35.5#

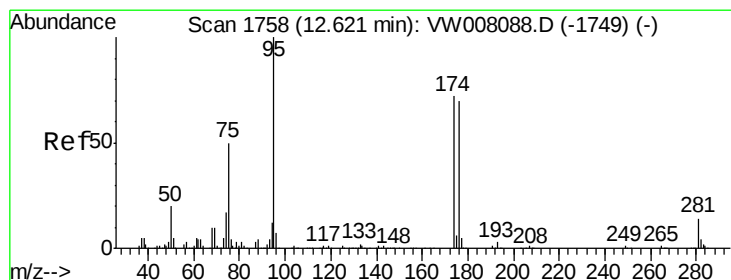
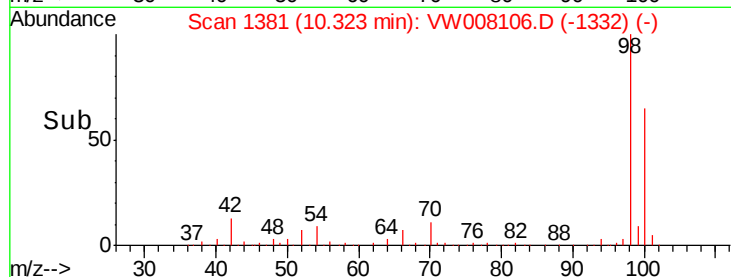
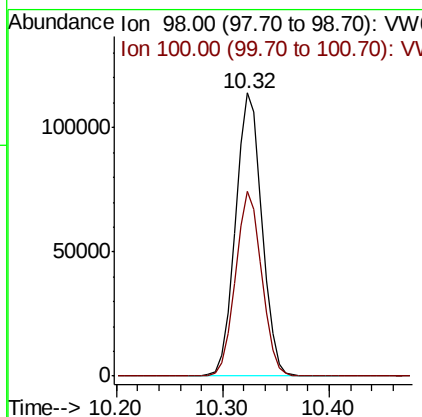
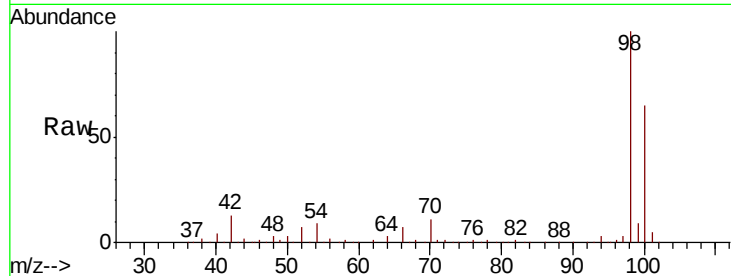




#50
Toluene-d8
Concen: 50.476 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008106.D
Acq: 09 Jan 2019 16:37

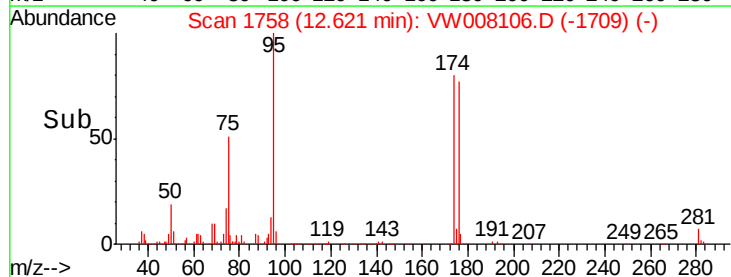
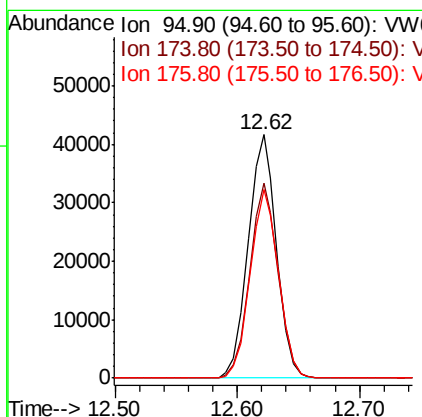
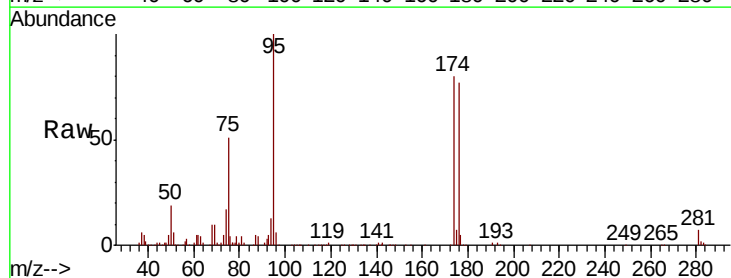
Instrument :
MSVOA_W
ClientSampleId :
W12-1

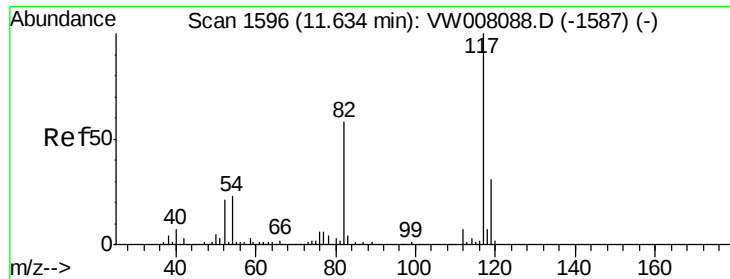
Tgt Ion: 98 Resp: 198555
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.478 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008106.D
Acq: 09 Jan 2019 16:37

Tgt Ion: 95 Resp: 66954
Ion Ratio Lower Upper
95 100
174 79.9 0.0 143.0
176 77.9 0.0 140.2

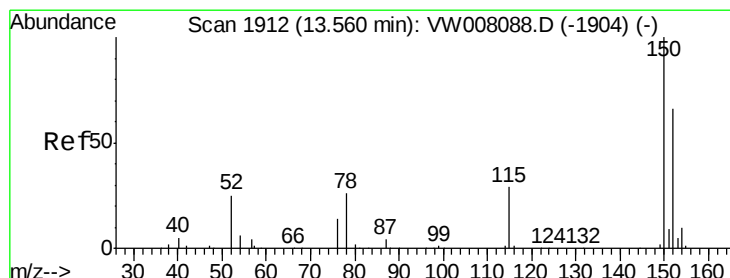
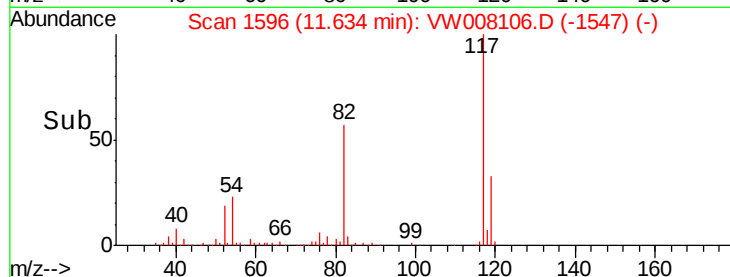
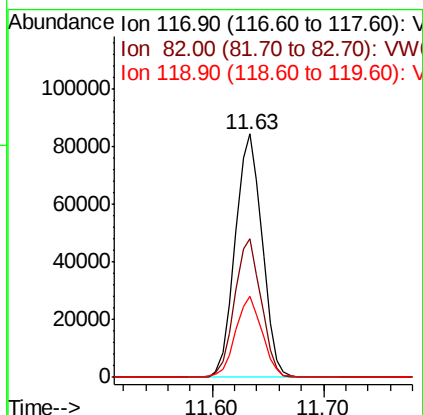
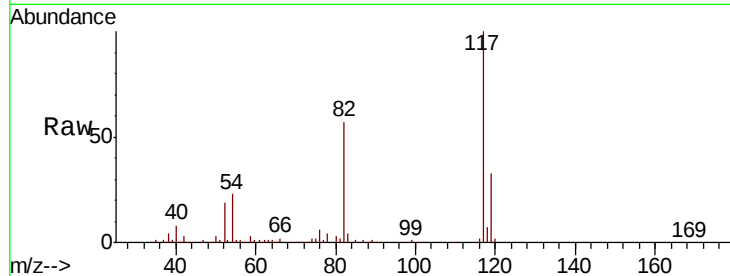




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008106.D
Acq: 09 Jan 2019 16:37

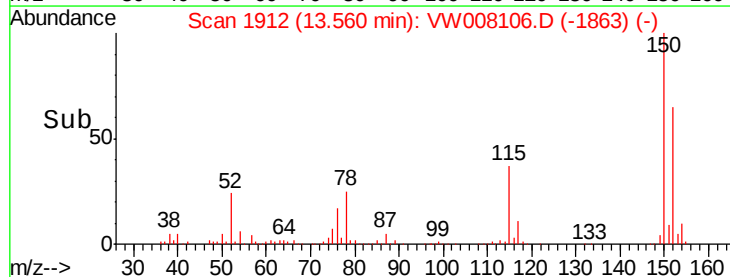
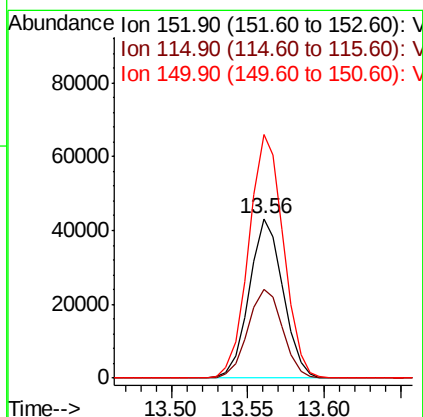
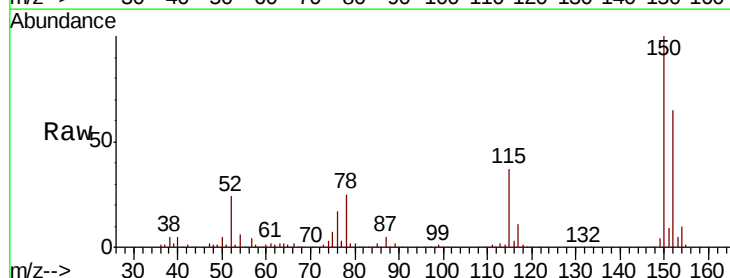
Instrument :
MSVOA_W
ClientSampleId :
W12-1

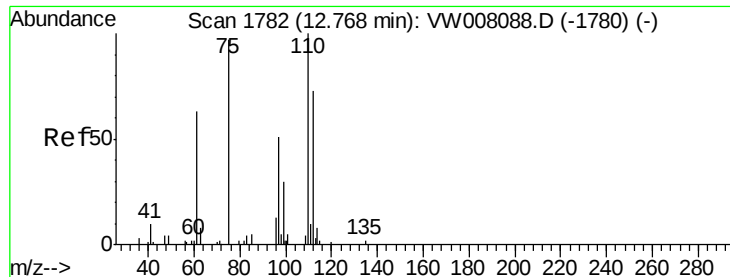
Tgt Ion:117 Resp: 141252
Ion Ratio Lower Upper
117 100
82 56.8 46.4 69.6
119 33.1 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008106.D
Acq: 09 Jan 2019 16:37

Tgt Ion:152 Resp: 66505
Ion Ratio Lower Upper
152 100
115 57.3 30.8 92.4
150 156.5 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 55.388 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008106.D

Acq: 09 Jan 2019 16:37

Instrument :

MSVOA_W

ClientSampleId :

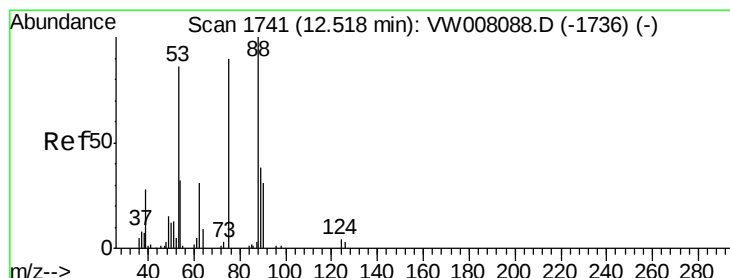
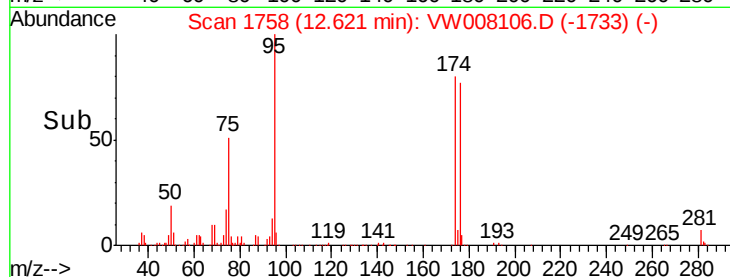
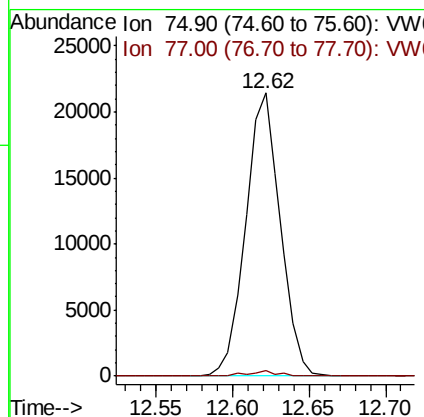
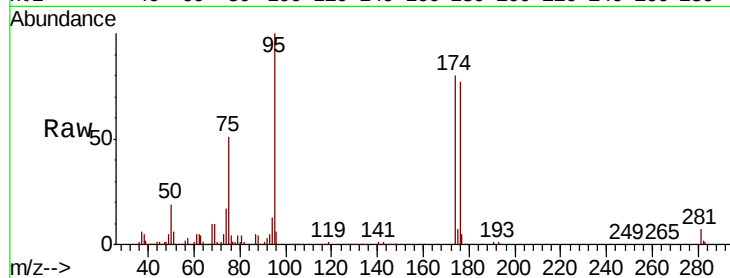
W12-1

Tgt Ion: 75 Resp: 33580

Ion Ratio Lower Upper

75 100

77 1.6 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.982 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008106.D

Acq: 09 Jan 2019 16:37

Tgt Ion: 75 Resp: 33580

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.1 35.4 53.2#

