

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061518\
 Data File : VW003303.D
 Acq On : 15 Jun 2018 20:10
 Operator : SY/AP
 Sample : J3444-04RE
 Misc : 6.58G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 16 03:49:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	50269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	78318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	73922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	35082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	40234	73.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.78%	
35) Dibromofluoromethane	7.88	113	33709	69.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.54%	
50) Toluene-d8	10.33	98	108340	56.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.28%	
62) 4-Bromofluorobenzene	12.63	95	35607	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	

Target Compounds

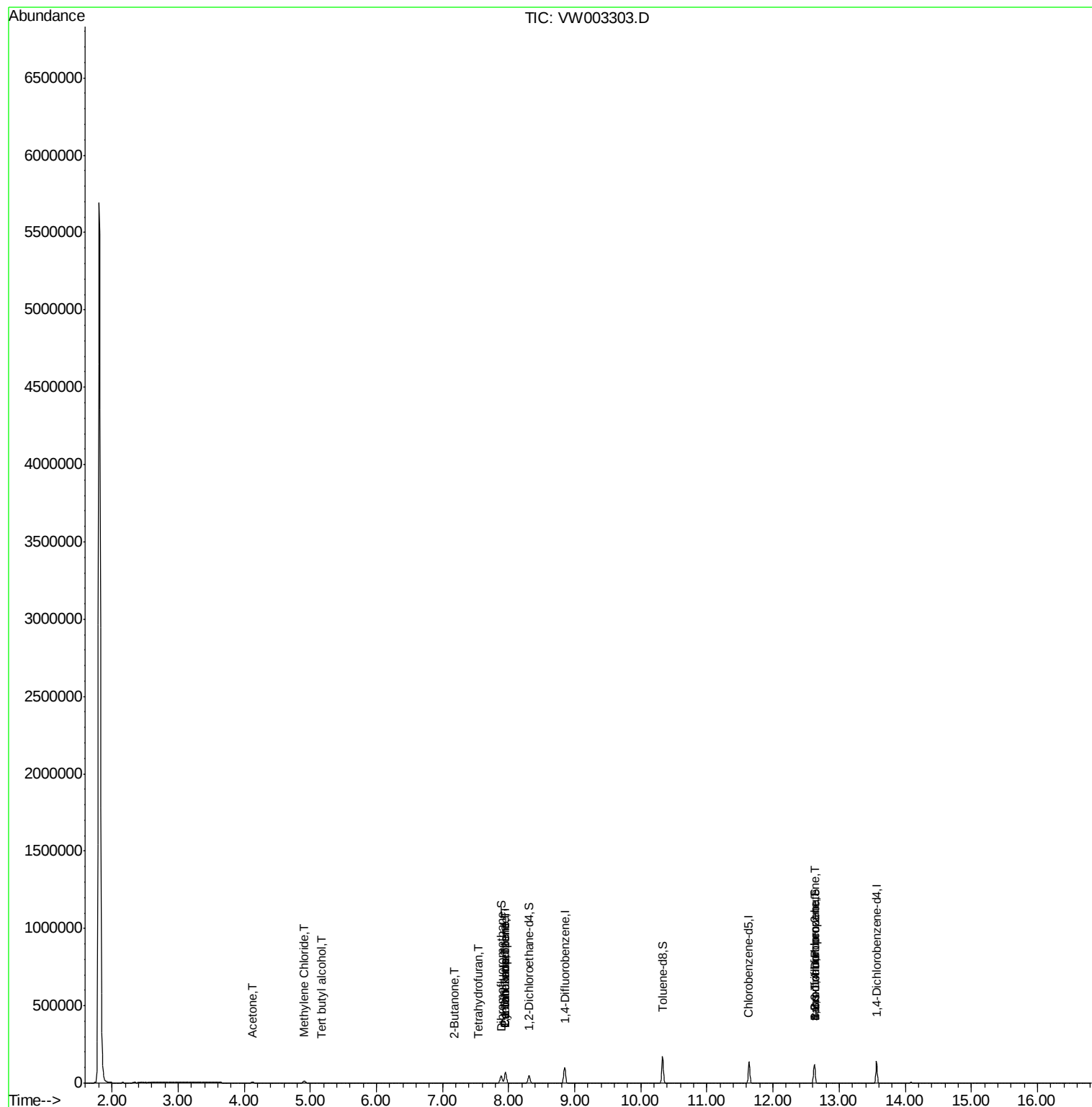
					Qvalue	
11) Tert butyl alcohol	5.17	59	212	7.260	ug/l #	84
16) Acetone	4.12	43	8375	73.339	ug/l	96
20) Methylene Chloride	4.91	84	7572	12.884	ug/l	96
25) 2-Butanone	7.19	43	1266	8.915	ug/l #	50
29) Tetrahydrofuran	7.54	42	168	1.936	ug/l #	35
31) Cyclohexane	7.95	56	1486	1.689	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4438	5.868	ug/l #	52
38) Carbon Tetrachloride	7.96	117	5111	6.889	ug/l #	16
71) Bromoform	12.62	173	428	1.527	ug/l #	28
76) 1,2,3-Trichloropropane	12.63	75	19914	66.400	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	19914	152.790	ug/l #	9

(#) = 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# 1044

Delta R.T. 0.00 min

Lab File: VW003303.D

Acq: 15 Jun 2018 20:10

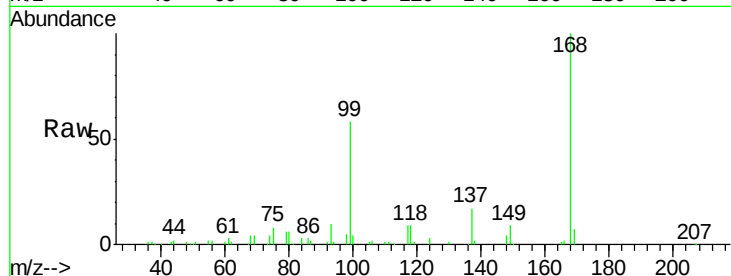
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 50269

Ion Ratio Lower Upper

168 100

99 57.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

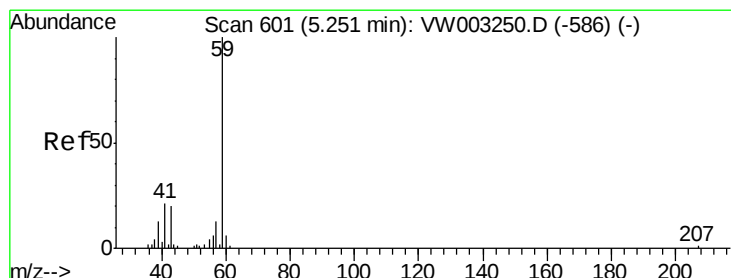
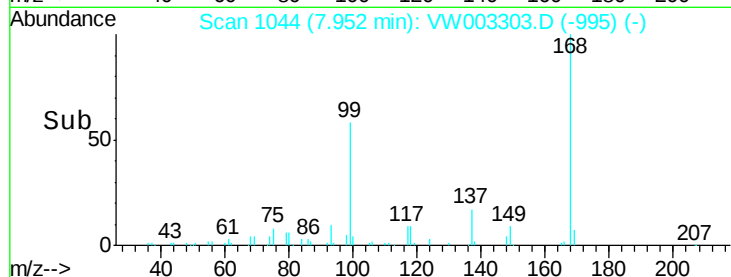
15000

10000

5000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 7.260 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.09 min

Lab File: VW003303.D

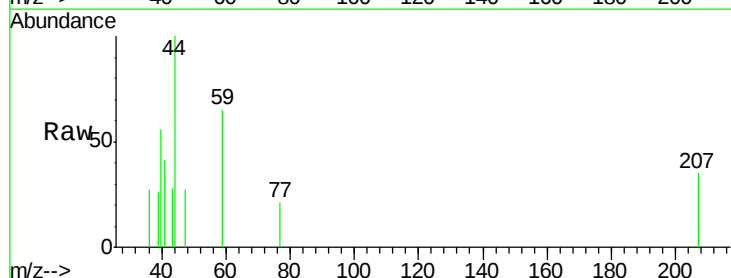
Acq: 15 Jun 2018 20:10

Tgt Ion: 59 Resp: 212

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

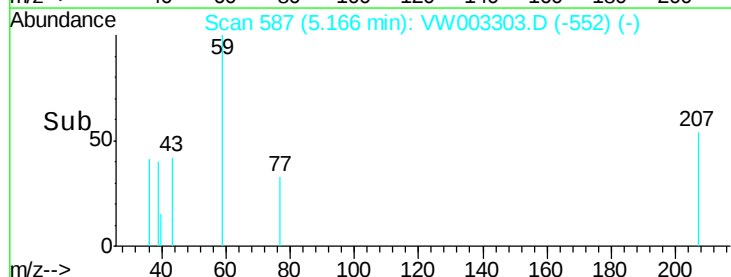
150

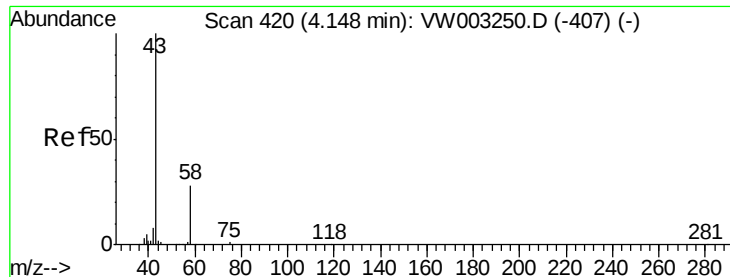
100

50

0

Time--> 5.12 5.14 5.16 5.18





#16

Acetone

Concen: 73.339 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.02 min

Lab File: VW003303.D

Acq: 15 Jun 2018 20:10

Instrument :

MSVOA_W

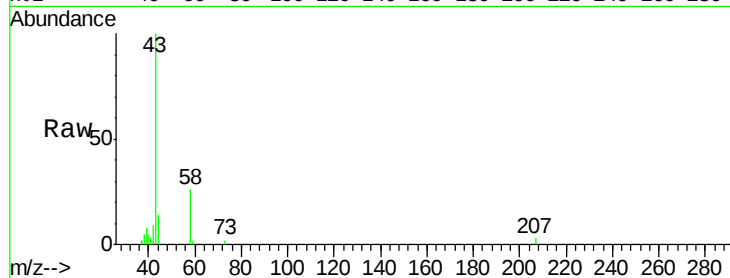
ClientSampleId :

Tot Ion: 43 Resp: 8375

Ion Ratio Lower Upper

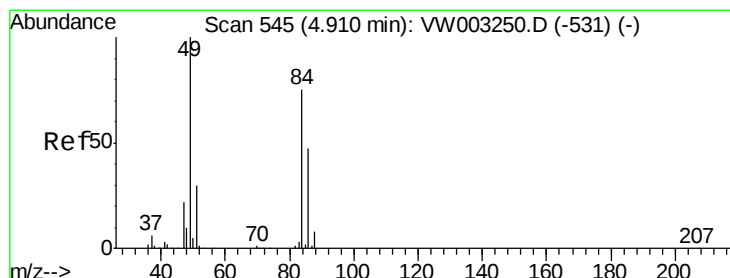
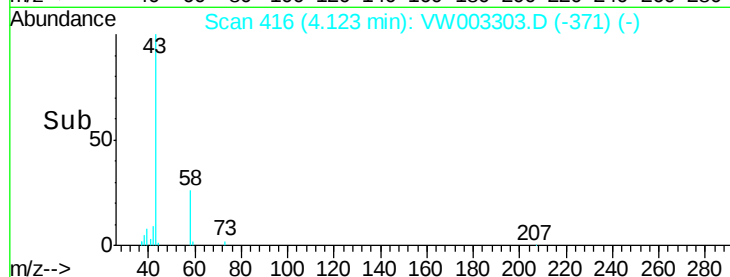
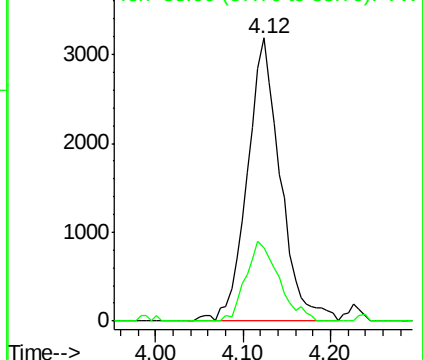
43 100

58 26.1 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 12.884 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003303.D

Acq: 15 Jun 2018 20:10

Tgt Ion: 84 Resp: 7572

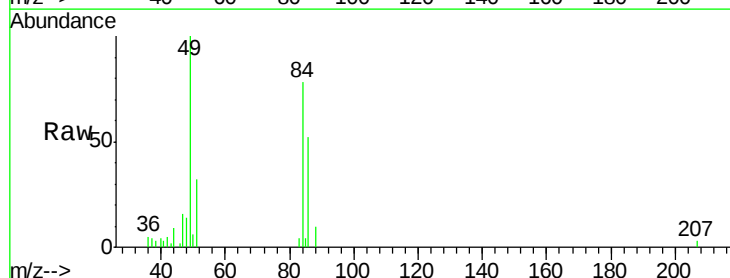
Ion Ratio Lower Upper

84 100

49 128.7 106.3 159.5

51 41.4 32.0 48.0

86 67.1 49.9 74.9

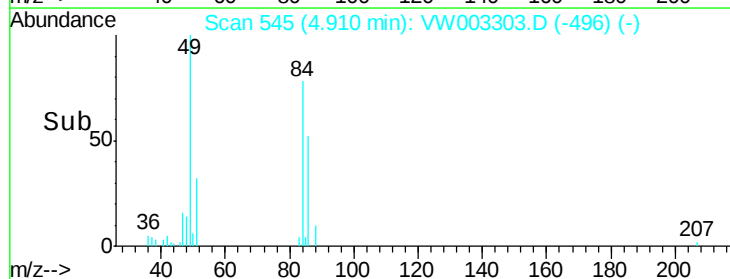
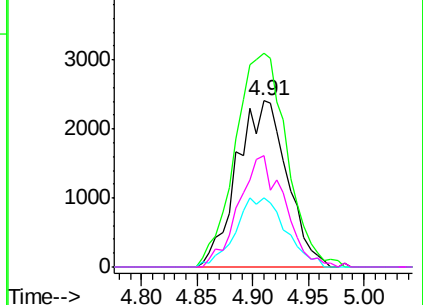


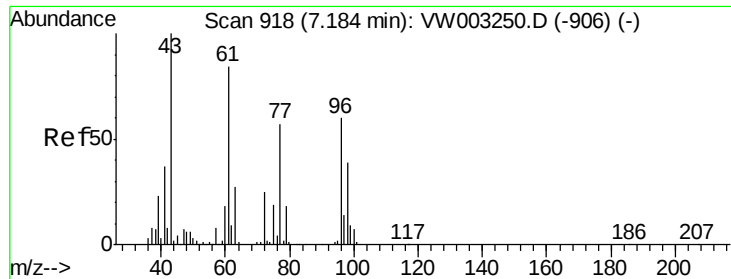
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 8.915 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003303.D

Acq: 15 Jun 2018 20:10

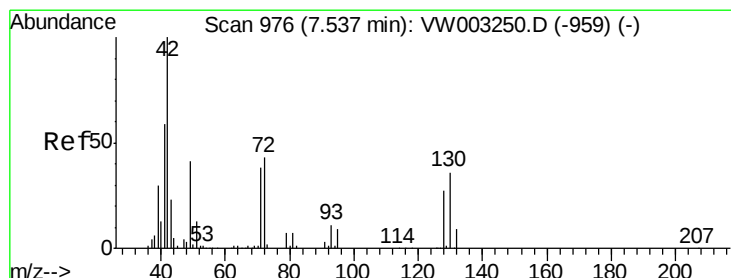
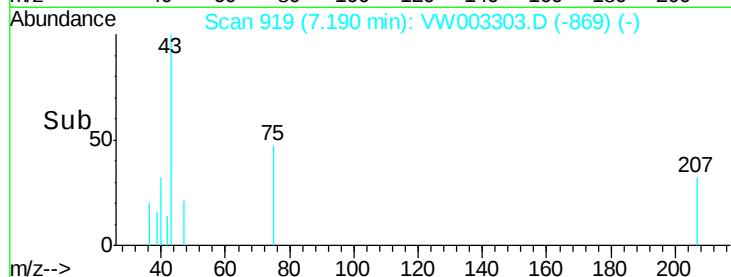
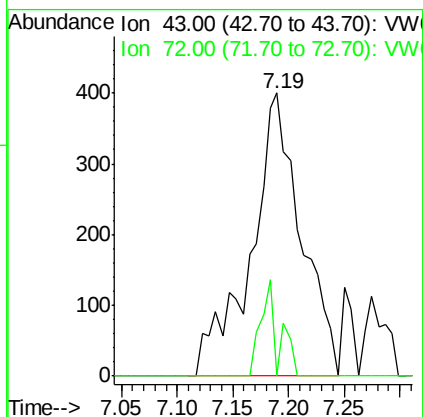
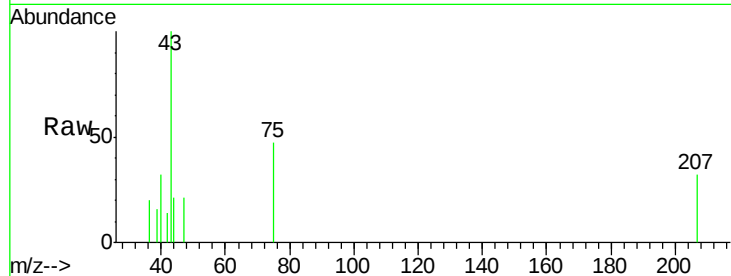
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1266

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



#29

Tetrahydrofuran

Concen: 1.936 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003303.D

Acq: 15 Jun 2018 20:10

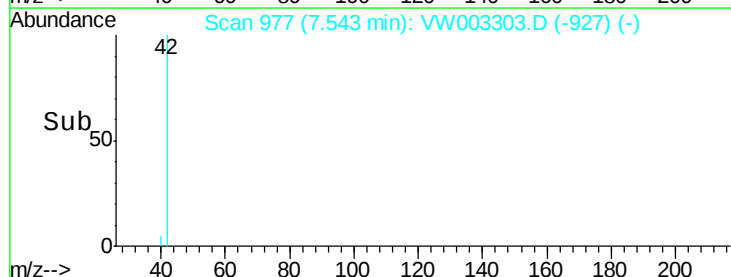
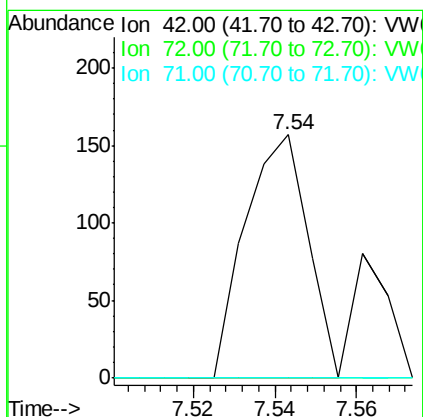
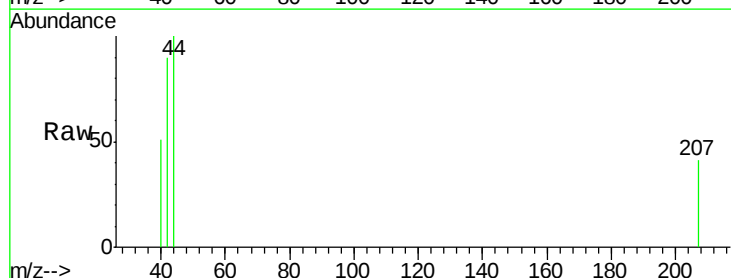
Tgt Ion: 42 Resp: 168

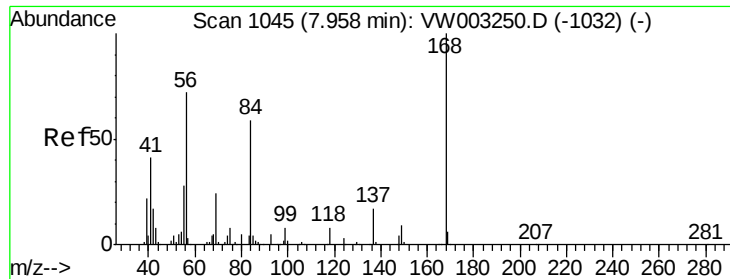
Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

71 0.0 31.2 46.8#





#31

Cyclohexane

Concen: 1.689 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003303.D

Acq: 15 Jun 2018 20:10

Instrument :
MSVOA_W
ClientSampled :

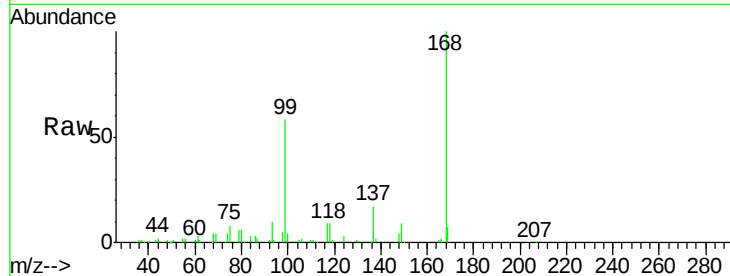
Tot Ion: 56 Resp: 1486

Ion Ratio Lower Upper

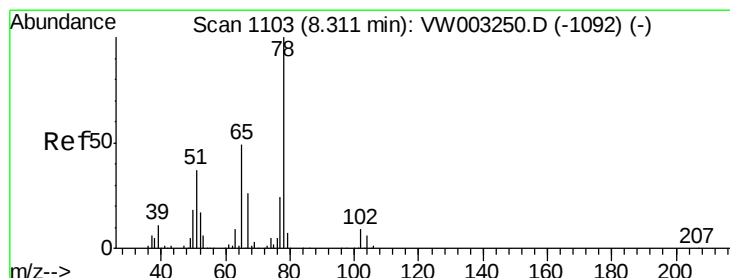
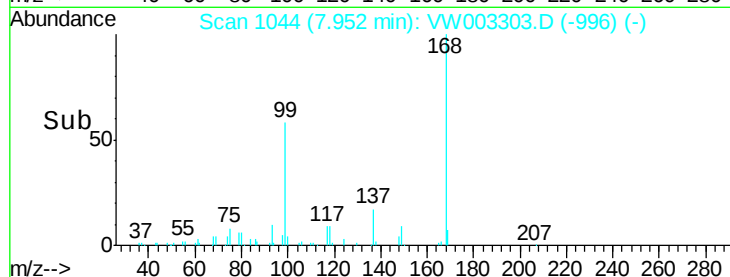
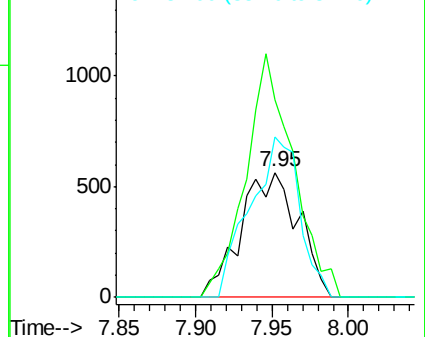
56 100

69 158.4 26.3 39.5#

84 129.1 65.7 98.5#



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: 73.893 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003303.D

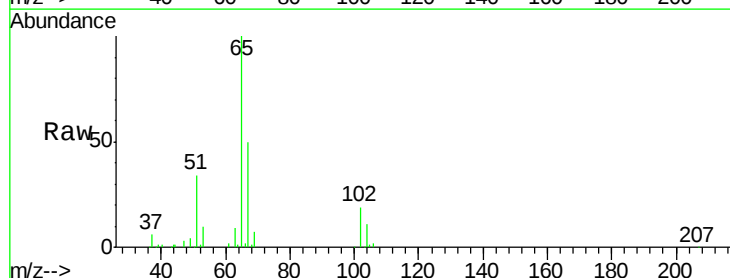
Acq: 15 Jun 2018 20:10

Tgt Ion: 65 Resp: 40234

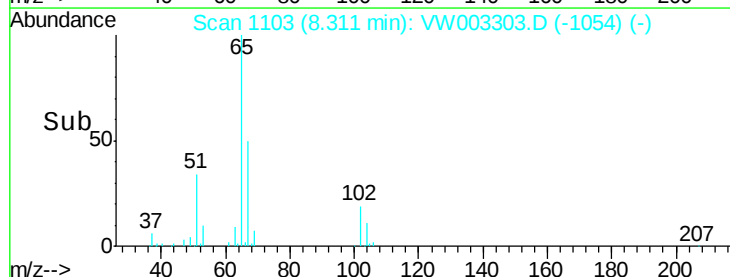
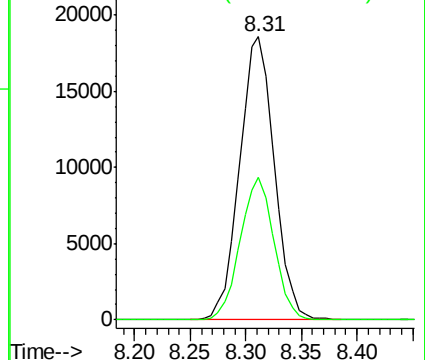
Ion Ratio Lower Upper

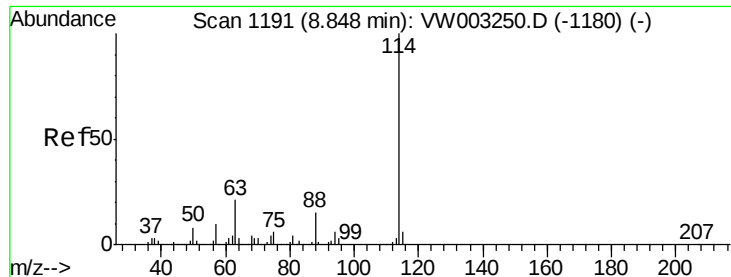
65 100

67 48.9 0.0 104.2



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: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003303.D

Acq: 15 Jun 2018 20:10

Instrument :

MSVOA_W

ClientSampled :

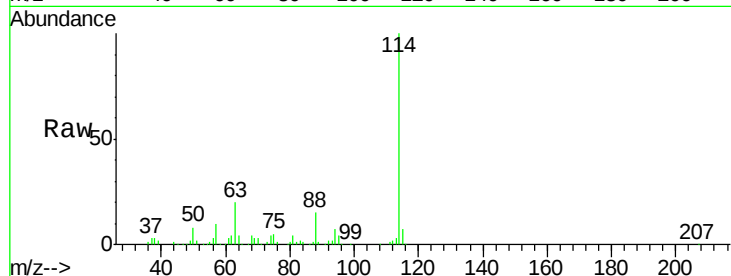
Tot Ion:114 Resp: 78318

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.0

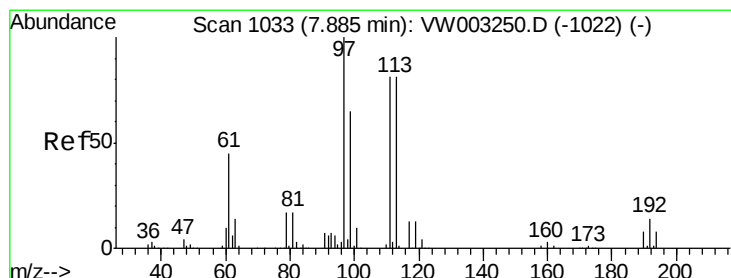
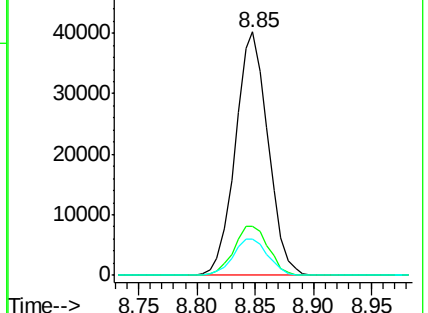
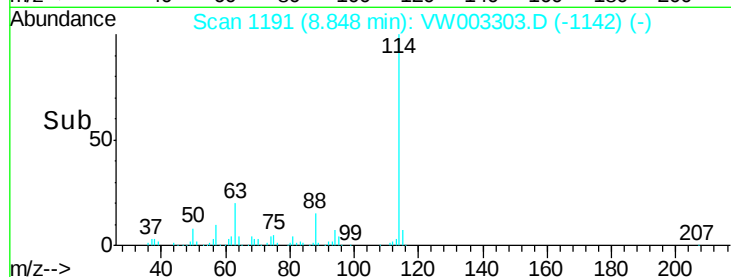
88 14.8 0.0 29.6



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: 69.268 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003303.D

Acq: 15 Jun 2018 20:10

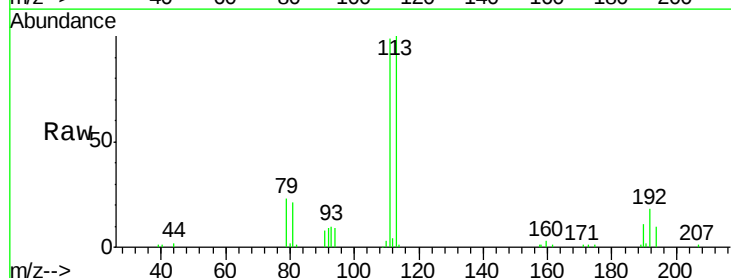
Tgt Ion:113 Resp: 33709

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.2

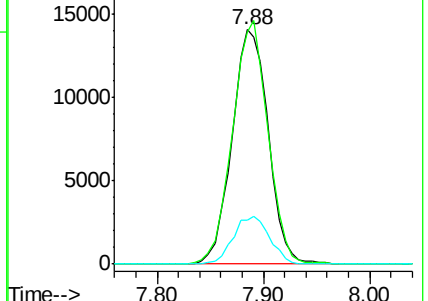
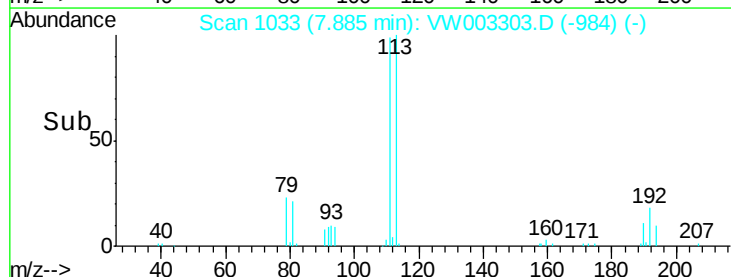
192 20.4 16.2 24.2

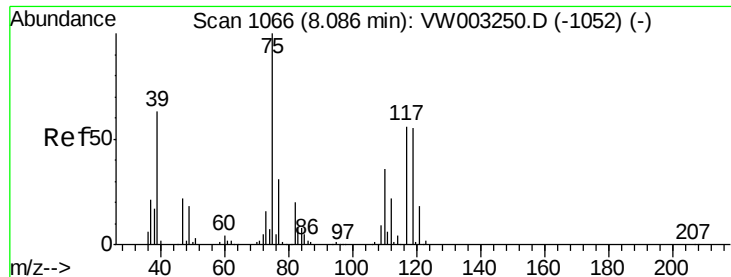


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

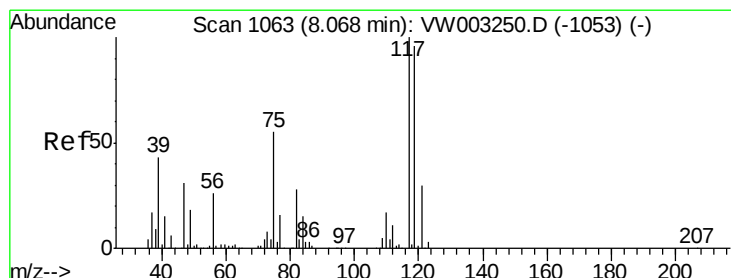
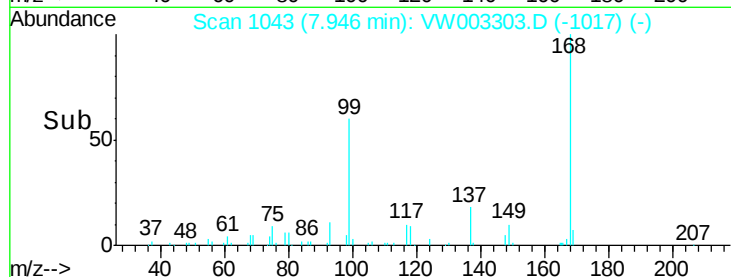
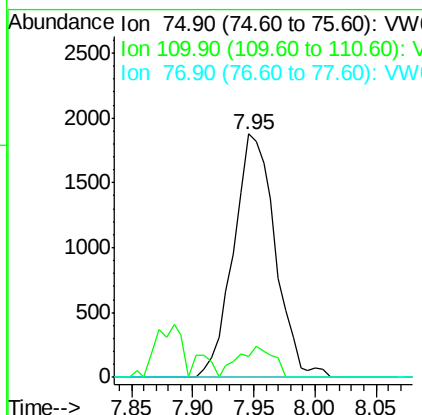
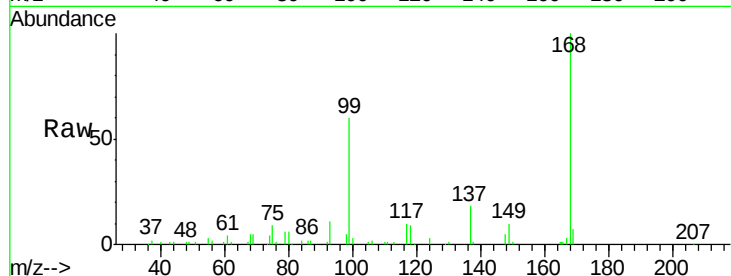




#36
 1,1-Dichloropropene
 Concen: 5.868 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.14 min
 Lab File: VW003303.D
 Acq: 15 Jun 2018 20:10

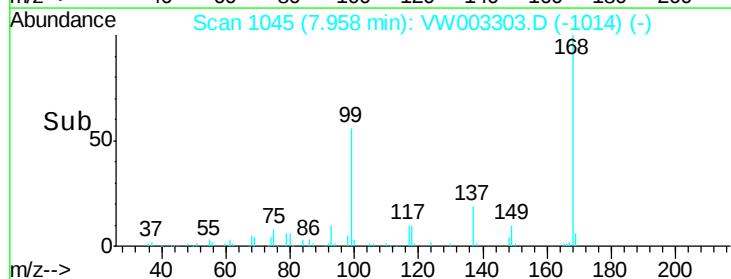
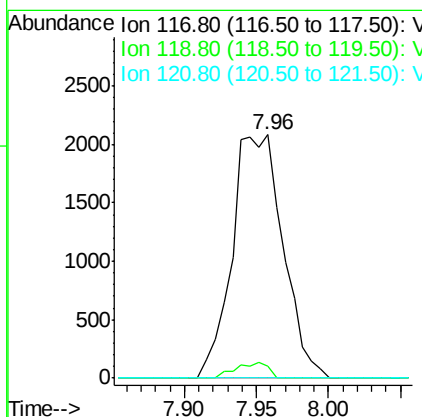
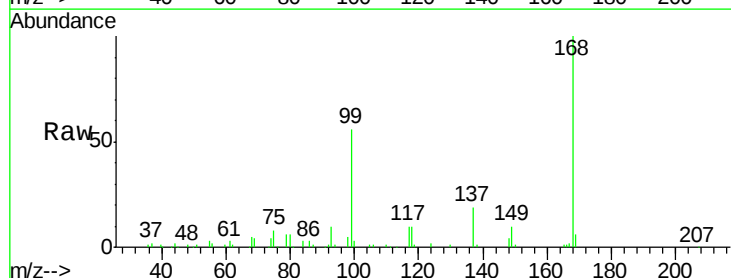
Instrument :
 MSVOA_W
 ClientSampleId :

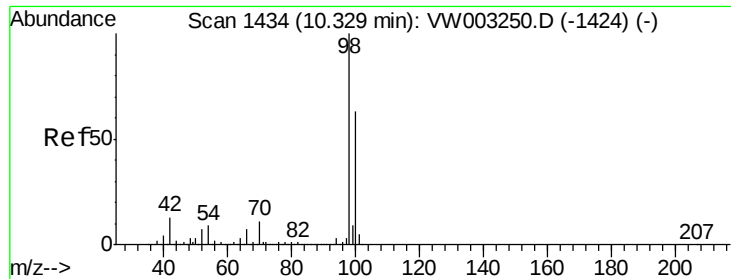
Tot Ion: 75 Resp: 4438
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.1 51.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.889 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.11 min
 Lab File: VW003303.D
 Acq: 15 Jun 2018 20:10

Tgt Ion: 117 Resp: 5111
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.6 115.0#
 121 0.0 23.9 35.9#

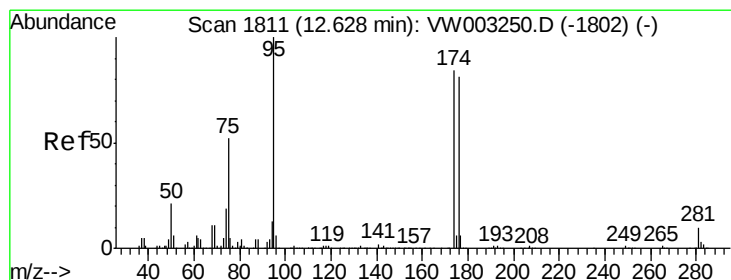
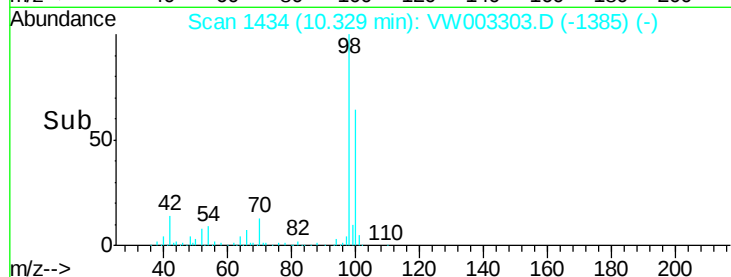
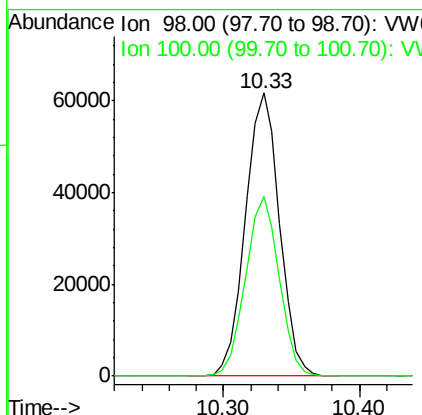
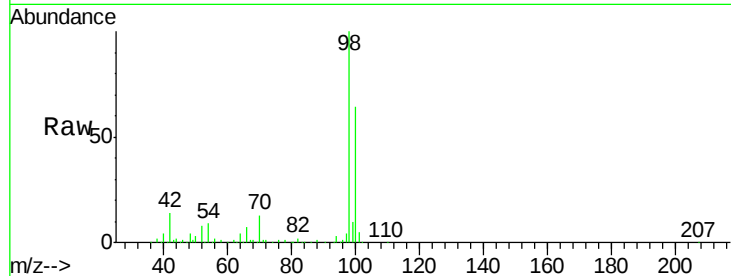




#50
Toluene-d8
Concen: 56.145 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003303.D
Acq: 15 Jun 2018 20:10

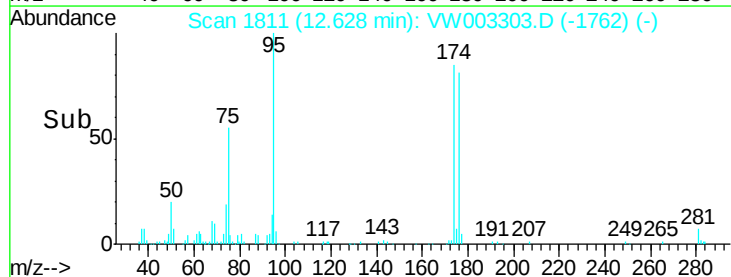
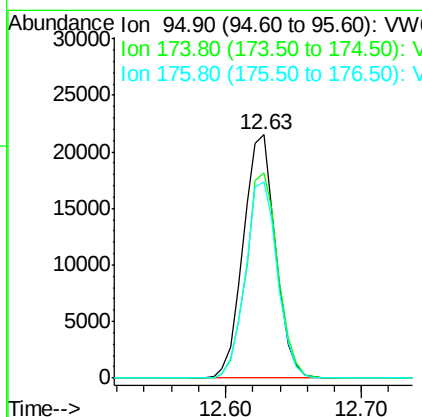
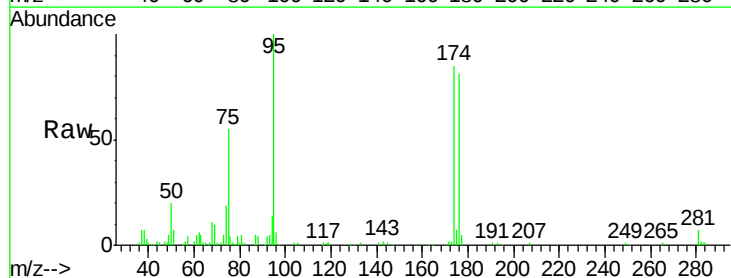
Instrument :
MSVOA_W
ClientSampleId :

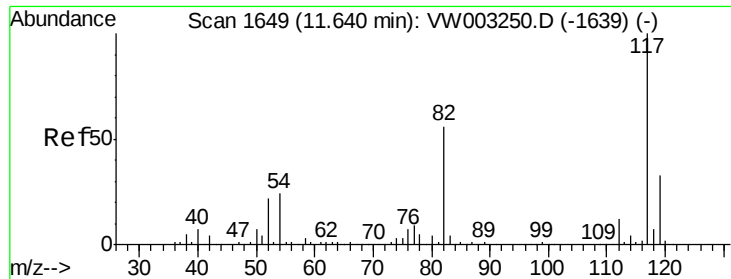
Tot Ion: 98 Resp: 108340
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 52.142 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003303.D
Acq: 15 Jun 2018 20:10

Tgt Ion: 95 Resp: 35607
Ion Ratio Lower Upper
95 100
174 83.9 0.0 166.4
176 80.1 0.0 162.0

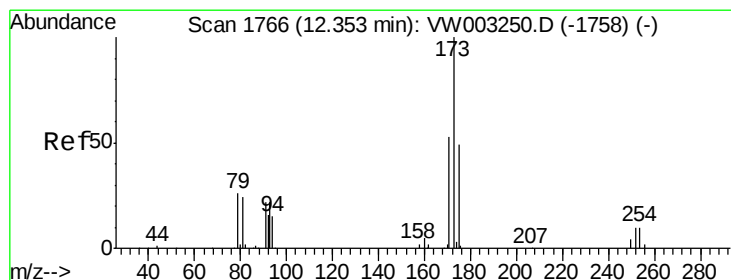
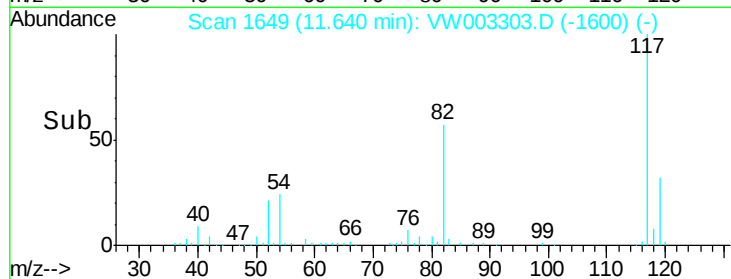
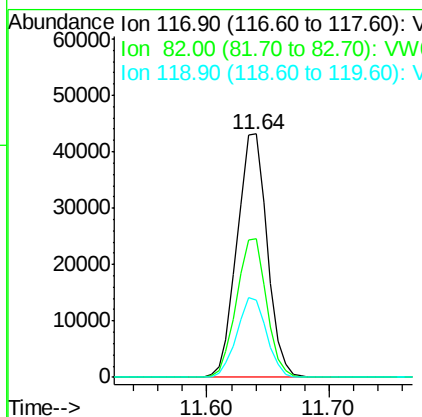
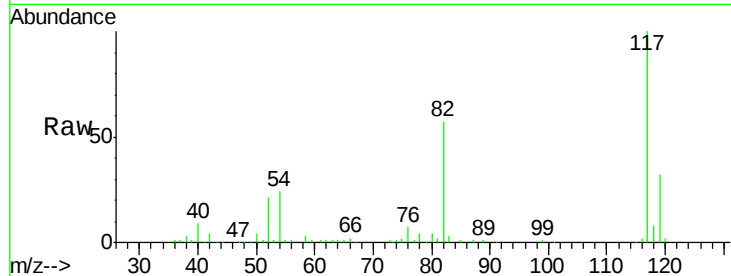




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003303.D
Acq: 15 Jun 2018 20:10

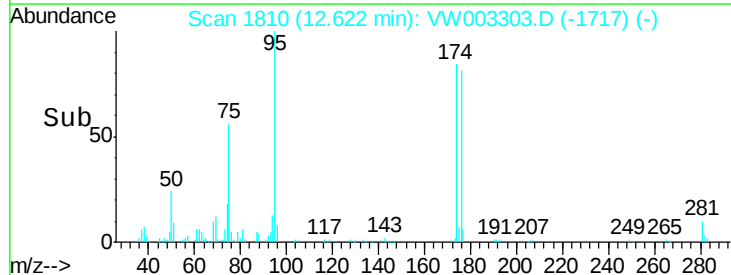
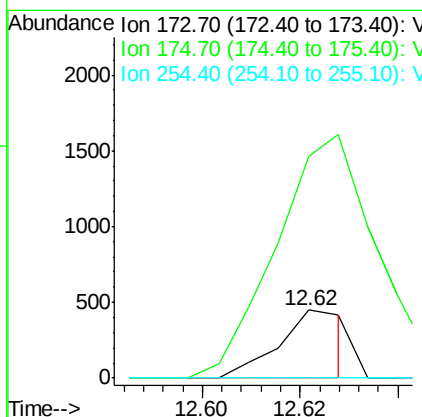
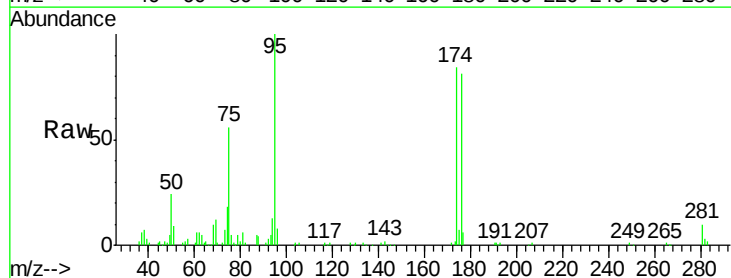
Instrument :
MSVOA_W
ClientSampleId :

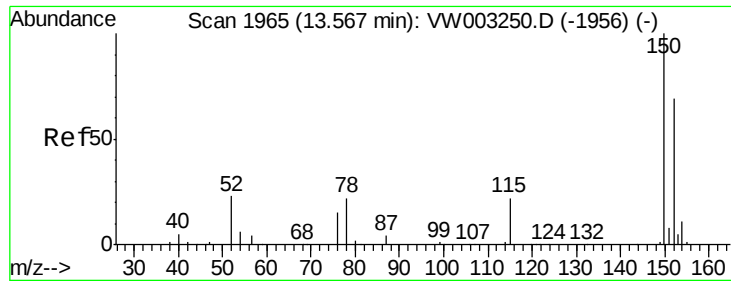
Tot Ion:117 Resp: 73922
Ion Ratio Lower Upper
117 100
82 56.7 44.6 67.0
119 31.9 26.7 40.1



#71
Bromoform
Concen: 1.527 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.27 min
Lab File: VW003303.D
Acq: 15 Jun 2018 20:10

Tgt Ion:173 Resp: 428
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003303.D

Acq: 15 Jun 2018 20:10

Instrument :

MSVOA_W

ClientSampleId :

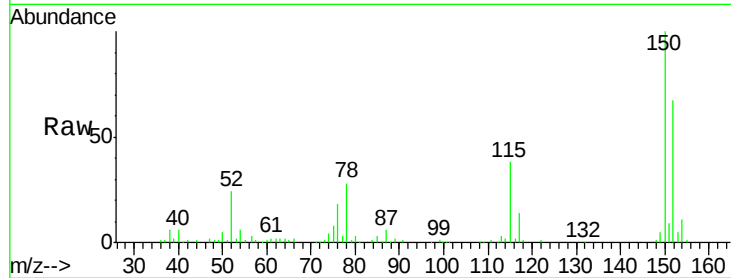
Tot Ion:152 Resp: 35082

Ion Ratio Lower Upper

152 100

115 57.5 29.3 88.0

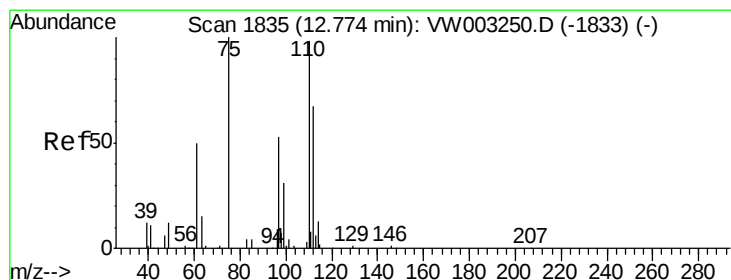
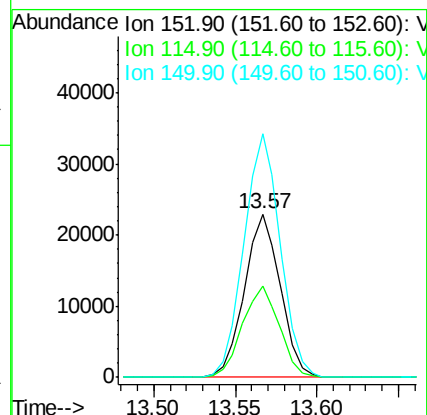
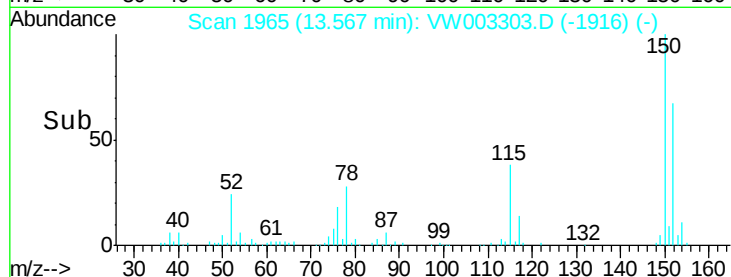
150 150.8 0.0 349.6



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: 66.400 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003303.D

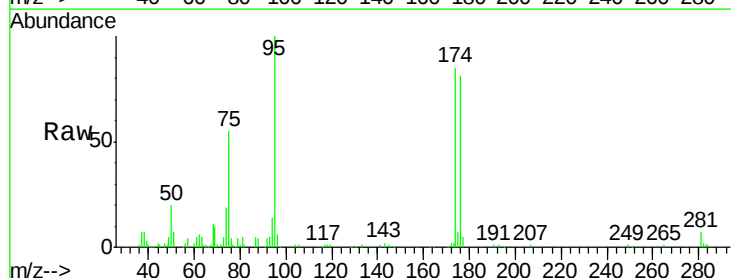
Acq: 15 Jun 2018 20:10

Tgt Ion: 75 Resp: 19914

Ion Ratio Lower Upper

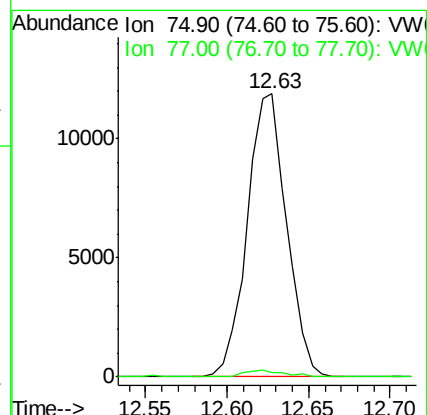
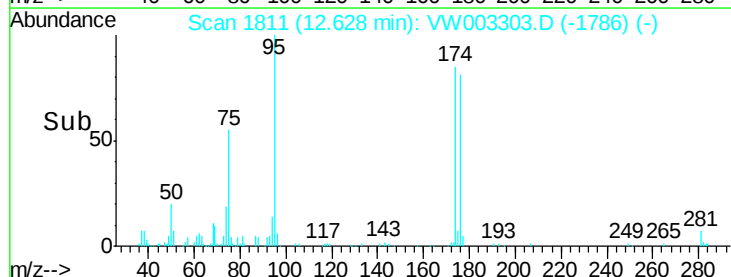
75 100

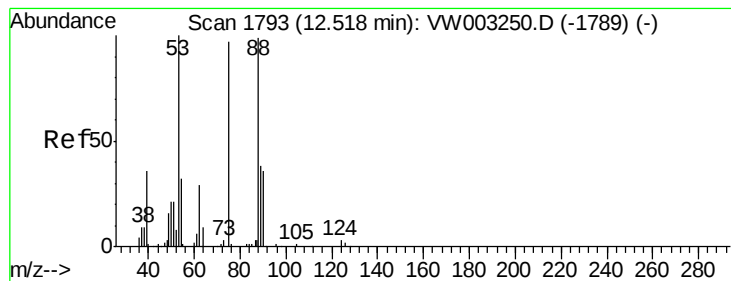
77 2.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 152.790 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003303.D

Acq: 15 Jun 2018 20:10

Instrument :

MSVOA_W

ClientSampleId :

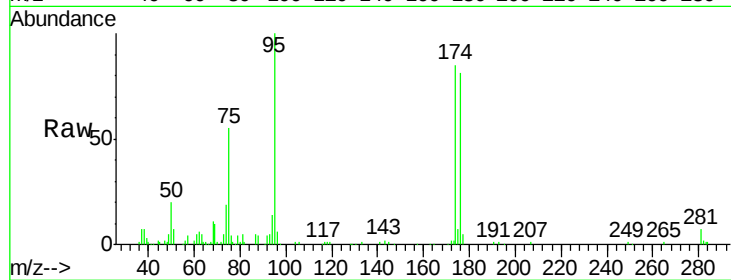
Tot Ion: 75 Resp: 19914

Ion Ratio Lower Upper

75 100

53 0.1 82.9 124.3#

89 0.3 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

