

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062718\
 Data File : VW003596.D
 Acq On : 27 Jun 2018 03:58
 Operator : SY/AP
 Sample : J3628-01RE
 Misc : 6.86G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC11-01RE

Quant Time: Jun 27 07:57:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	107900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	173752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	137522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	46128	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.31	65	55976	47.89	ug/l	0.00
Spiked Amount	50.000			Recovery	=	95.78%	
35) Dibromofluoromethane		7.88	113	47723	44.20	ug/l	0.00
Spiked Amount	50.000			Recovery	=	88.40%	
50) Toluene-d8		10.33	98	128887	30.11	ug/l	0.00
Spiked Amount	50.000			Recovery	=	60.22%	
62) 4-Bromofluorobenzene		12.62	95	35152	23.20	ug/l	0.00
Spiked Amount	50.000			Recovery	=	46.40%	

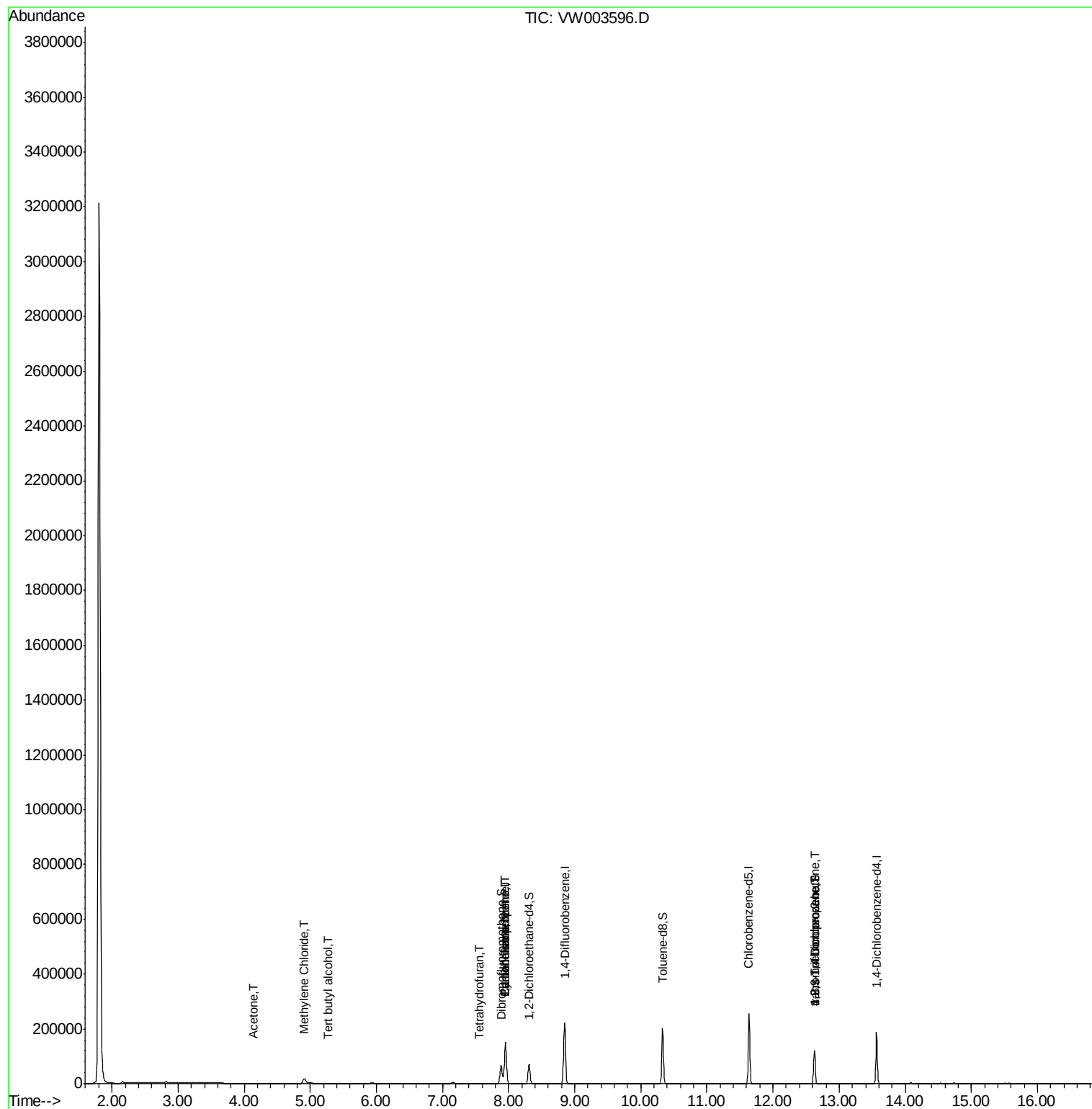
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	73	1.165	ug/l #	84
16) Acetone	4.14	43	988	4.031	ug/l #	46
20) Methylene Chloride	4.90	84	13788	10.330	ug/l	97
29) Tetrahydrofuran	7.55	42	359	1.927	ug/l #	60
31) Cyclohexane	7.95	56	2750	1.456	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	9094	5.420	ug/l #	50
38) Carbon Tetrachloride	7.95	117	11398	6.925	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	19092	48.415	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	19092	111.405	ug/l #	9

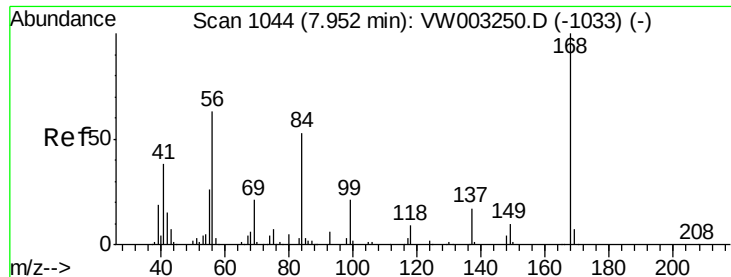
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003596.D

Acq: 27 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

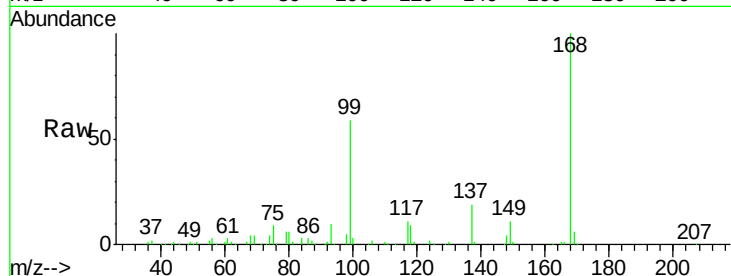
AOC11-01RE

Tgt Ion:168 Resp: 107900

Ion Ratio Lower Upper

168 100

99 58.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

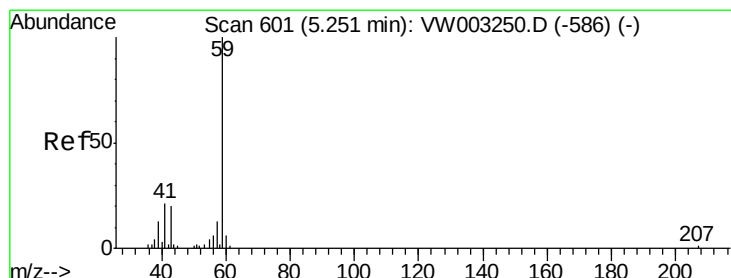
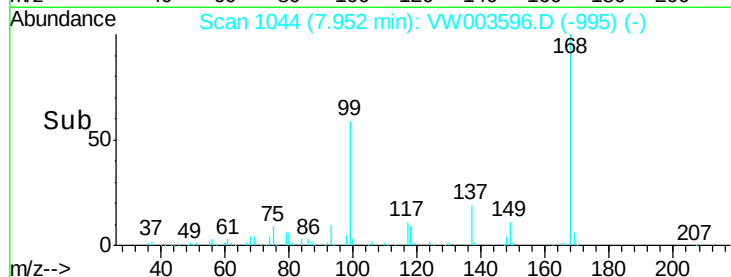
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.165 ug/l

RT: 5.26 min Scan# 602

Delta R.T. 0.01 min

Lab File: VW003596.D

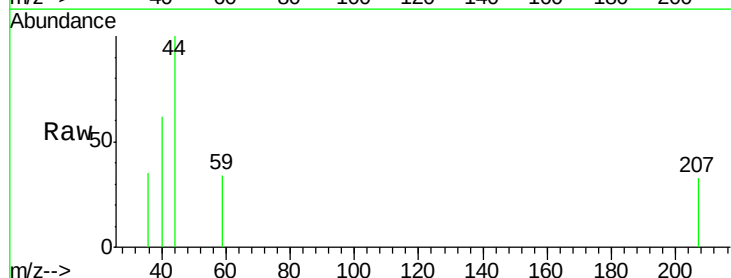
Acq: 27 Jun 2018 03:58

Tgt Ion: 59 Resp: 73

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

5.26

80

60

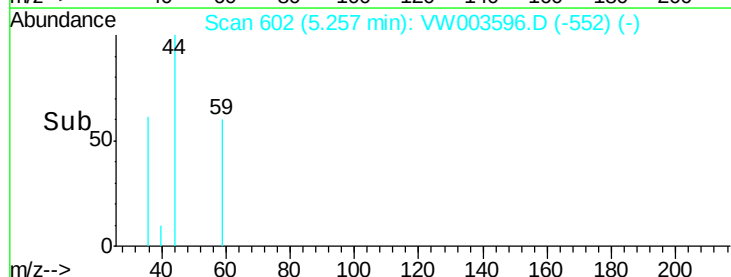
40

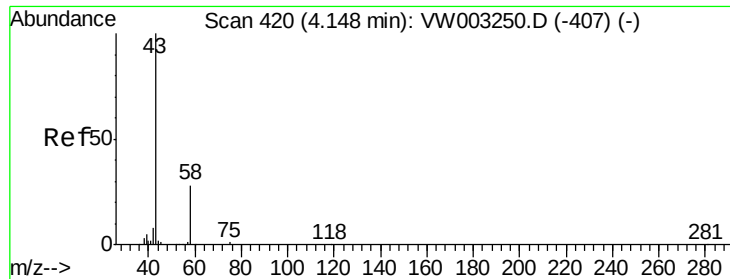
20

0

5.24 5.26 5.28

Time-->





#16

Acetone

Concen: 4.031 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: VW003596.D

Acq: 27 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

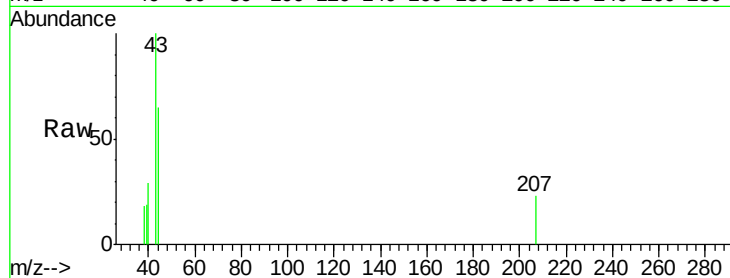
AOC11-01RE

Tgt Ion: 43 Resp: 988

Ion Ratio Lower Upper

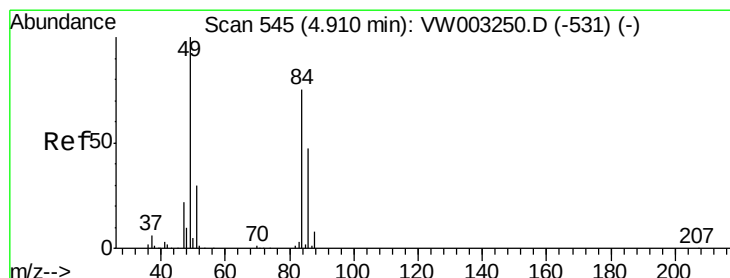
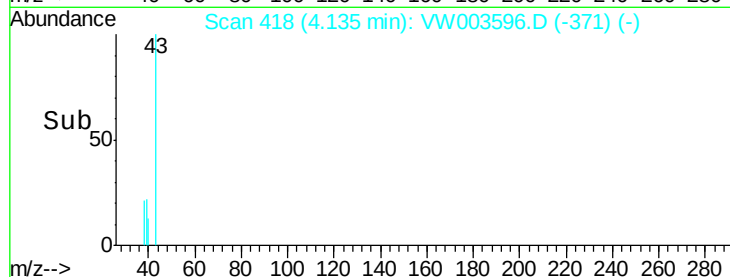
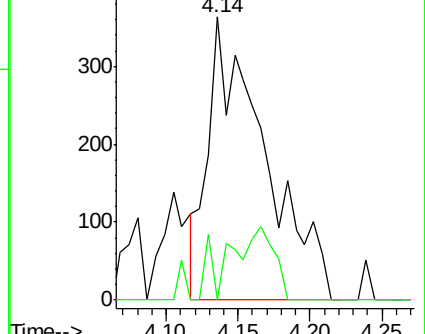
43 100

58 0.0 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: 10.330 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003596.D

Acq: 27 Jun 2018 03:58

Tgt Ion: 84 Resp: 13788

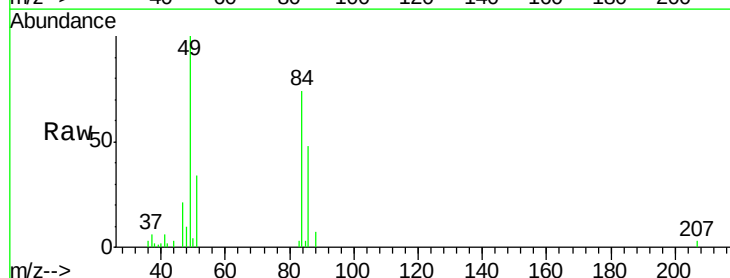
Ion Ratio Lower Upper

84 100

49 134.7 106.3 159.5

51 46.2 32.0 48.0

86 64.3 49.9 74.9

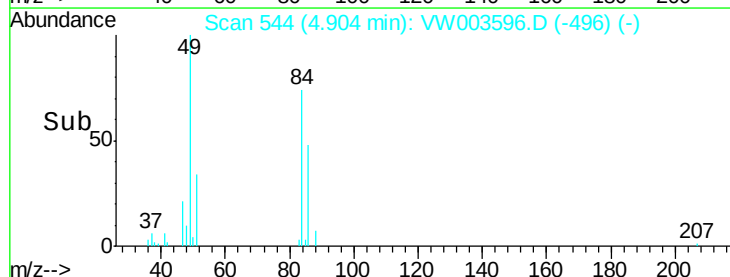
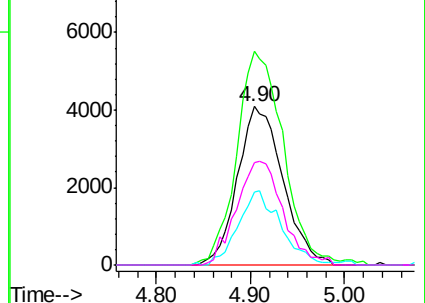


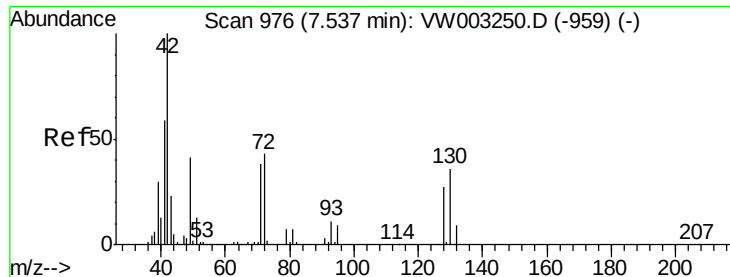
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#29

Tetrahydrofuran

Concen: 1.927 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW003596.D

Acq: 27 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

AOC11-01RE

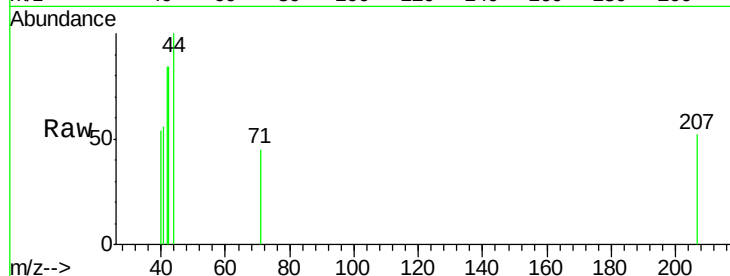
Tgt Ion: 42 Resp: 359

Ion Ratio Lower Upper

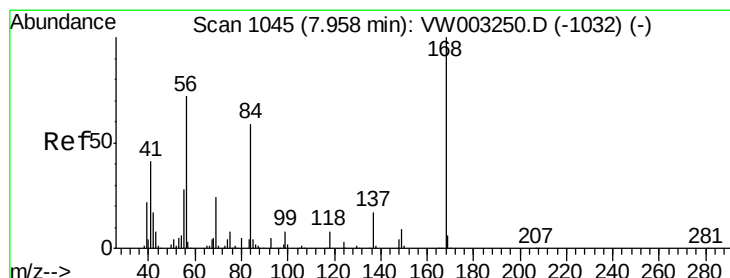
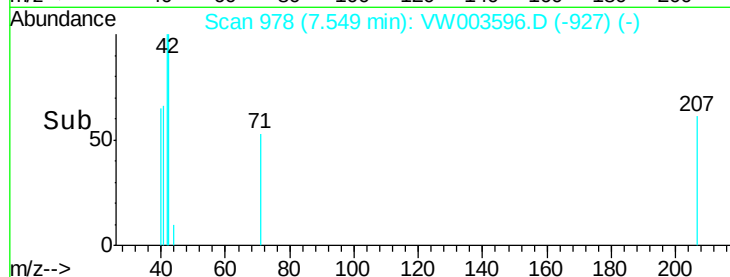
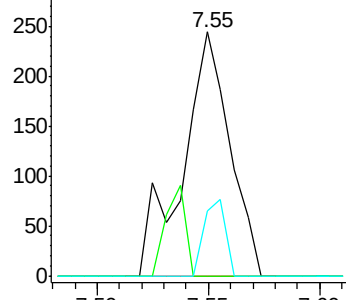
42 100

72 15.6 32.4 48.6#

71 14.5 31.2 46.8#



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



#31

Cyclohexane

Concen: 1.456 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003596.D

Acq: 27 Jun 2018 03:58

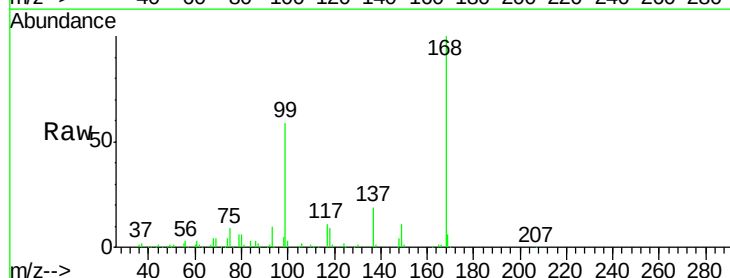
Tgt Ion: 56 Resp: 2750

Ion Ratio Lower Upper

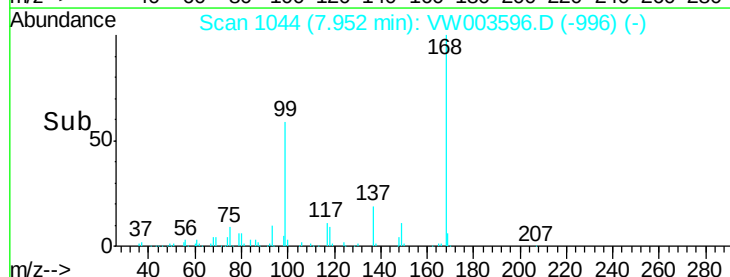
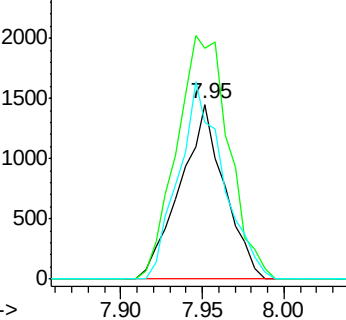
56 100

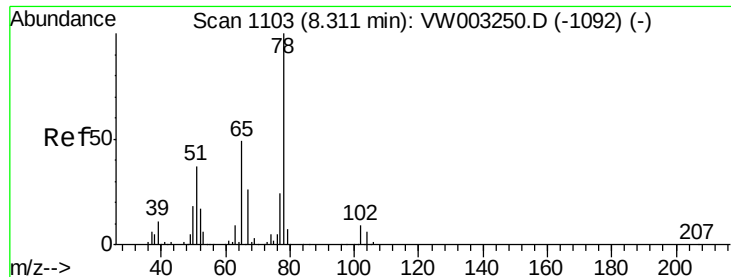
69 132.4 26.3 39.5#

84 89.9 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

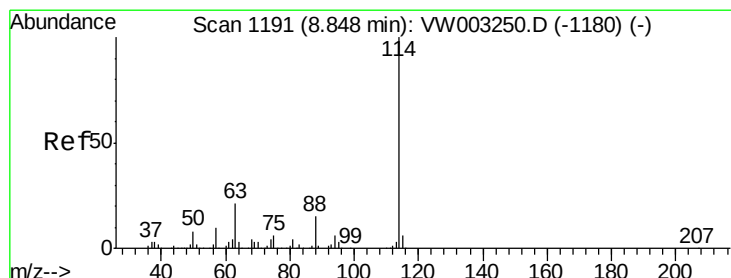
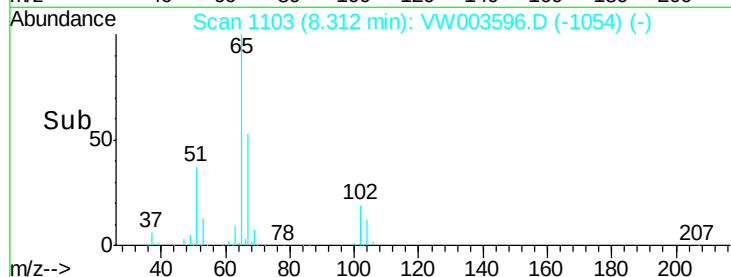
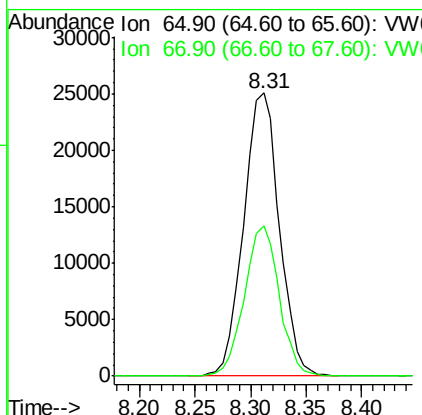
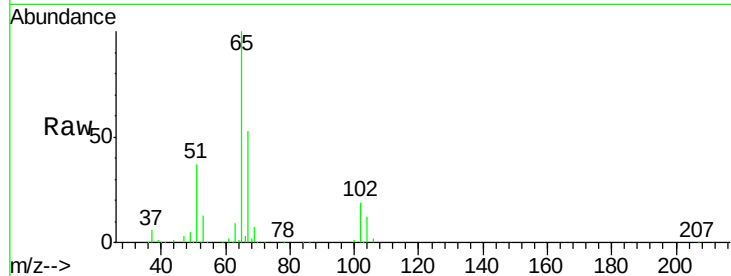




#33
 1,2-Dichloroethane-d4
 Concen: 47.895 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003596.D
 Acq: 27 Jun 2018 03:58

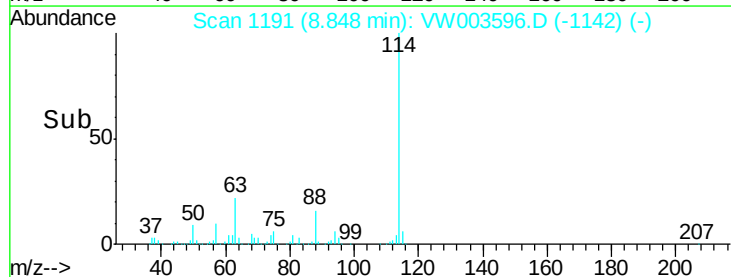
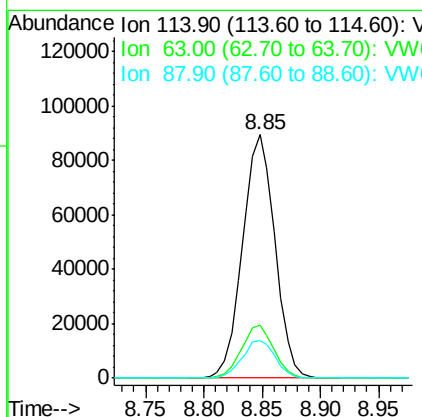
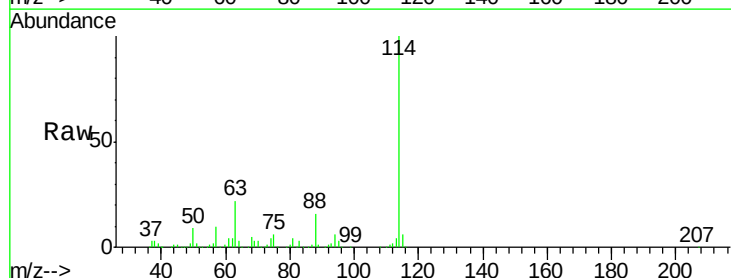
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC11-01RE

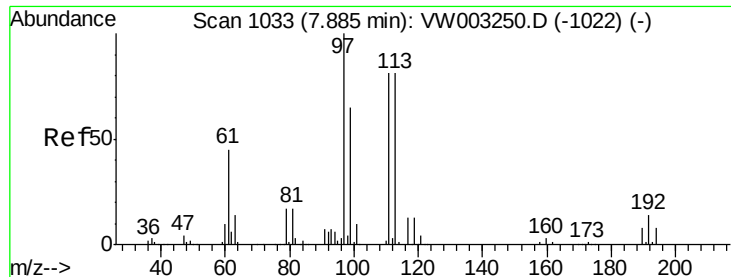
Tgt Ion: 65 Resp: 55976
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003596.D
 Acq: 27 Jun 2018 03:58

Tgt Ion: 114 Resp: 173752
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.0
 88 15.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 44.203 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003596.D

Acq: 27 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampled :

AOC11-01RE

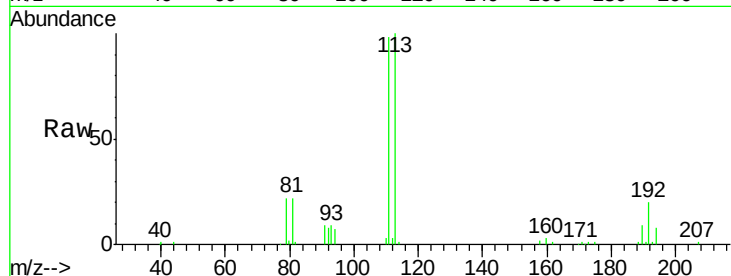
Tgt Ion:113 Resp: 47723

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

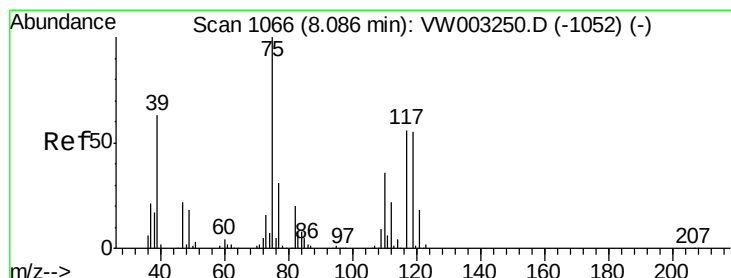
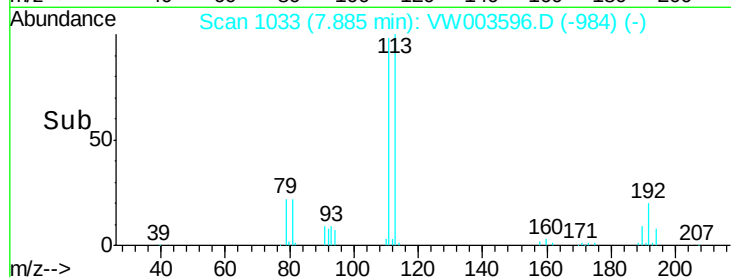
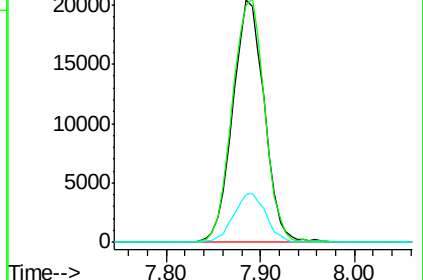
192 20.6 16.2 24.2



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: 5.420 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003596.D

Acq: 27 Jun 2018 03:58

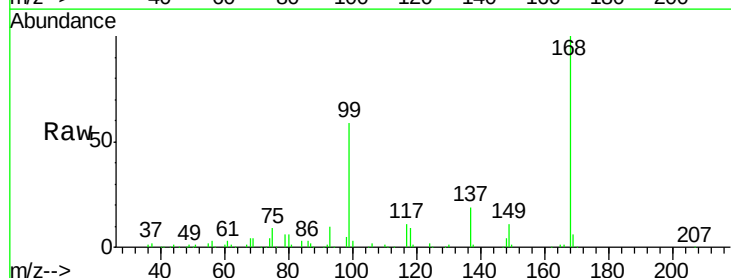
Tgt Ion: 75 Resp: 9094

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.3#

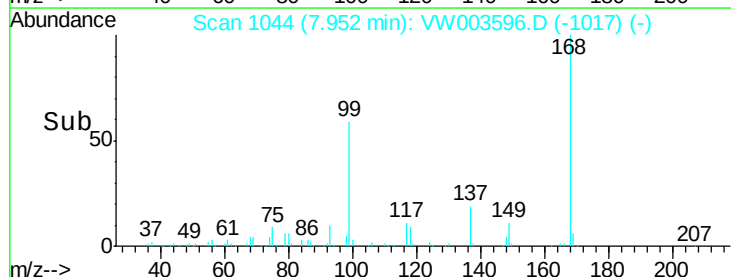
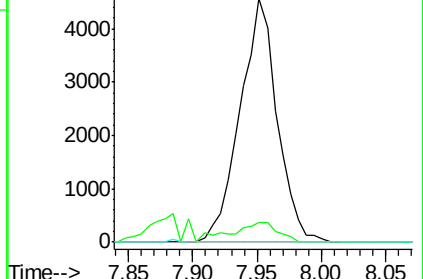
77 0.0 24.9 37.3#

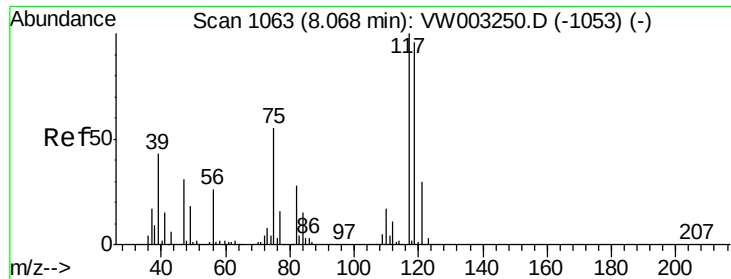


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.925 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003596.D

Acq: 27 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

AOC11-01RE

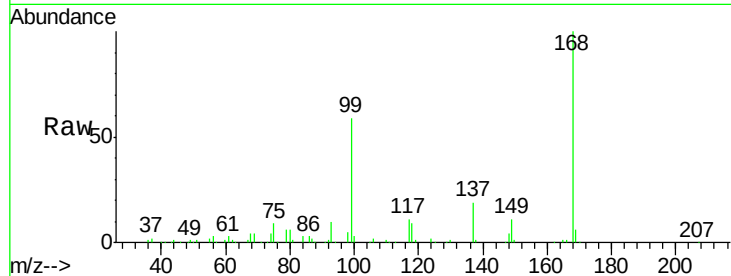
Tgt Ion:117 Resp: 11398

Ion Ratio Lower Upper

117 100

119 7.1 76.6 115.0#

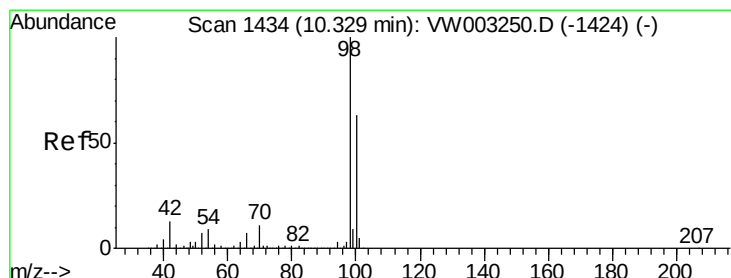
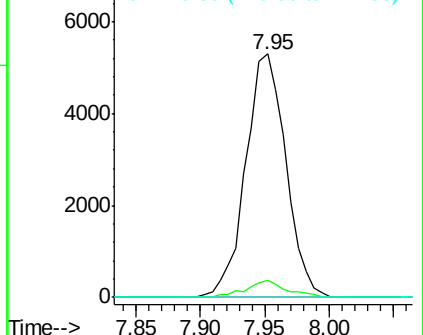
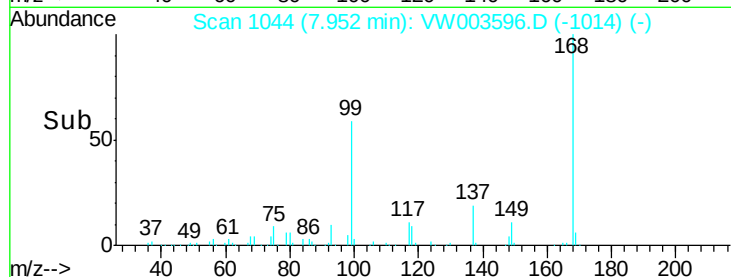
121 0.0 23.9 35.9#



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: 30.107 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003596.D

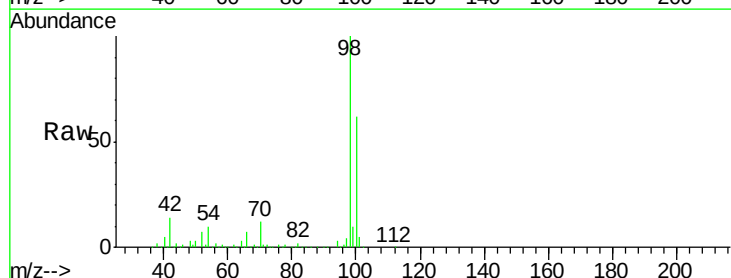
Acq: 27 Jun 2018 03:58

Tgt Ion: 98 Resp: 128887

Ion Ratio Lower Upper

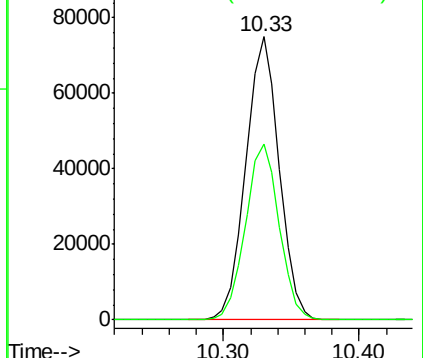
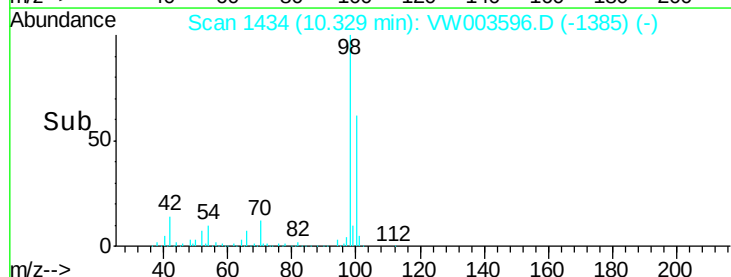
98 100

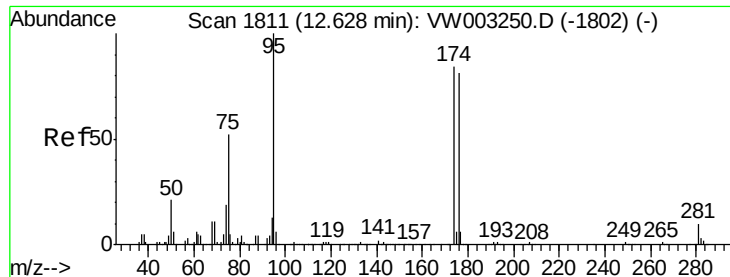
100 62.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 23.202 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003596.D

Acq: 27 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

AOC11-01RE

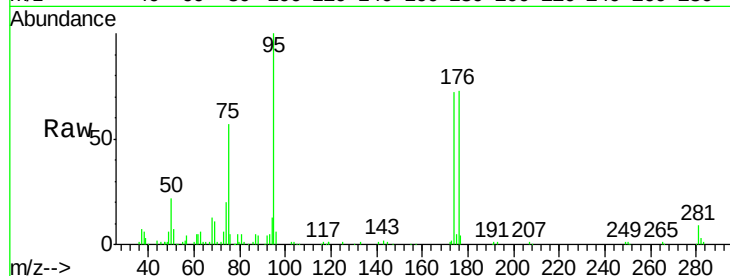
Tgt Ion: 95 Resp: 35152

Ion Ratio Lower Upper

95 100

174 82.9 0.0 166.4

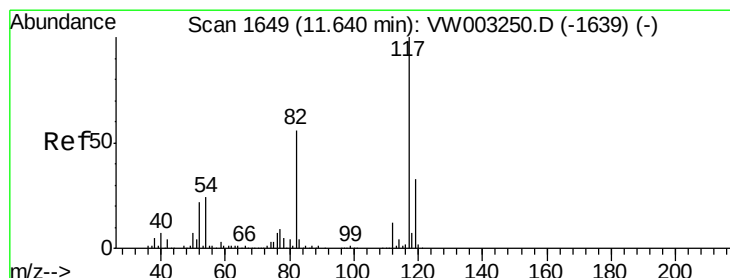
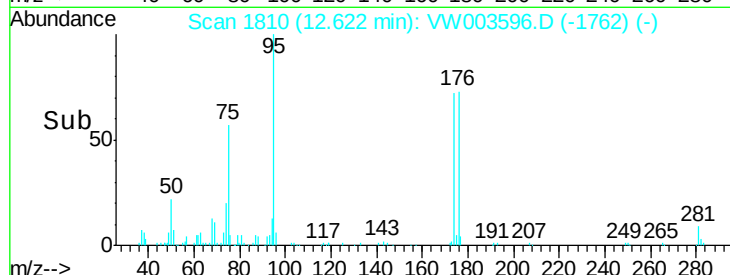
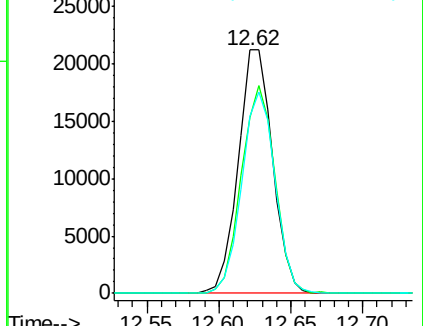
176 79.8 0.0 162.0



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: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW003596.D

Acq: 27 Jun 2018 03:58

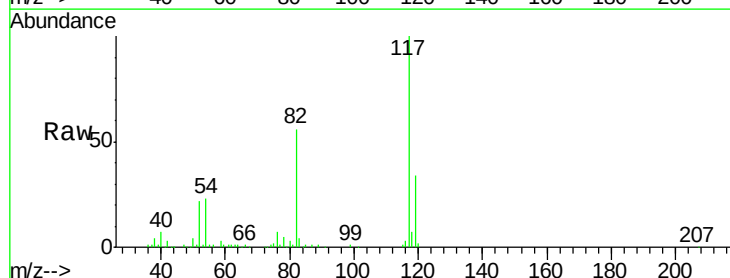
Tgt Ion: 117 Resp: 137522

Ion Ratio Lower Upper

117 100

82 55.6 44.6 67.0

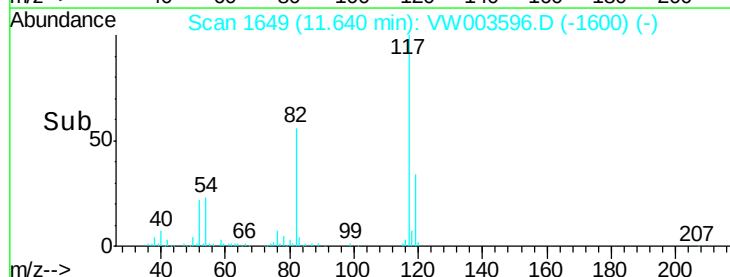
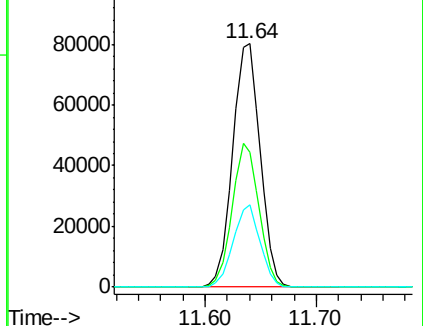
119 33.6 26.7 40.1

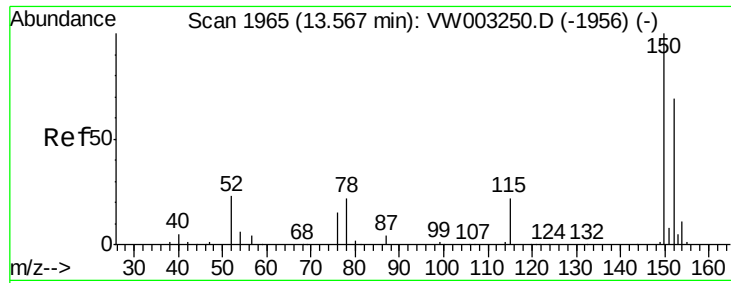


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

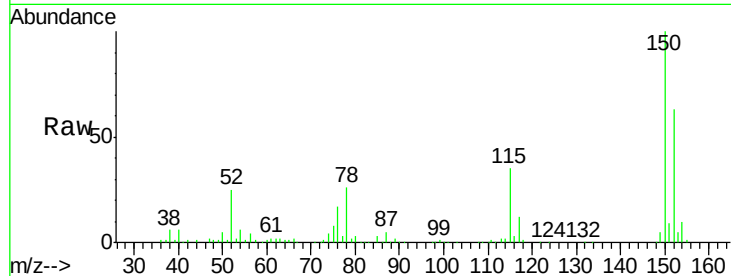




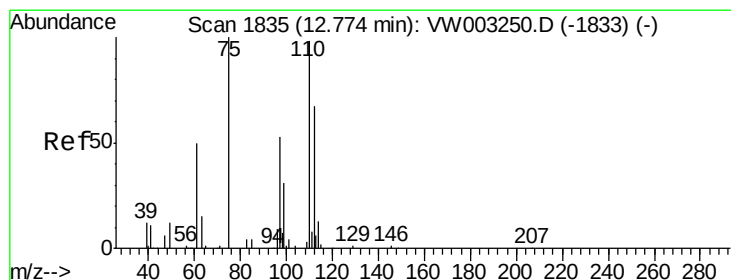
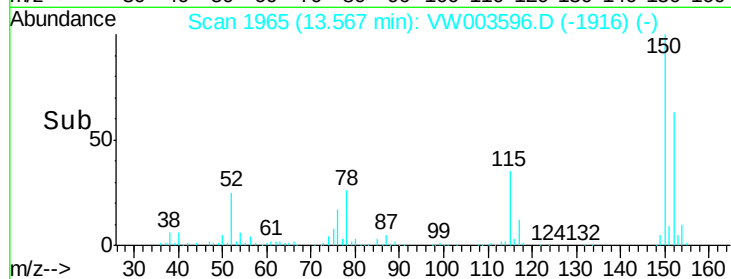
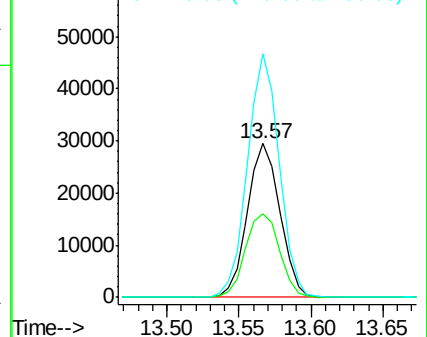
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW003596.D
 Acq: 27 Jun 2018 03:58

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC11-01RE

Tgt Ion: 152 Resp: 46128
 Ion Ratio Lower Upper
 152 100
 115 56.8 29.3 88.0
 150 153.9 0.0 349.6

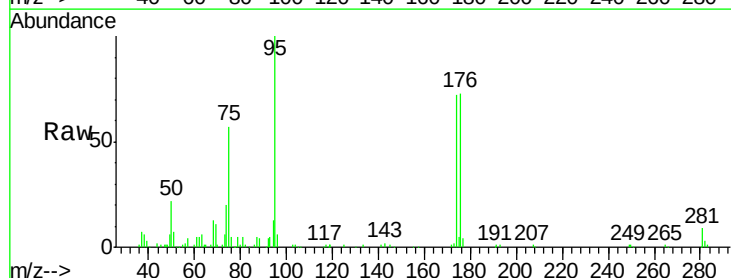


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

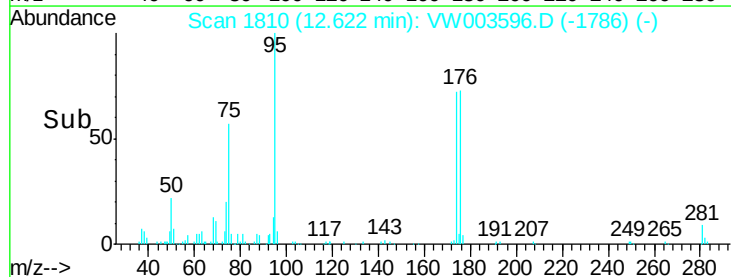
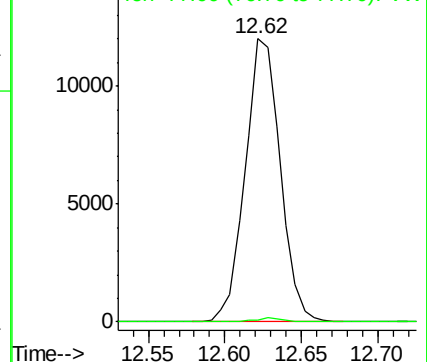


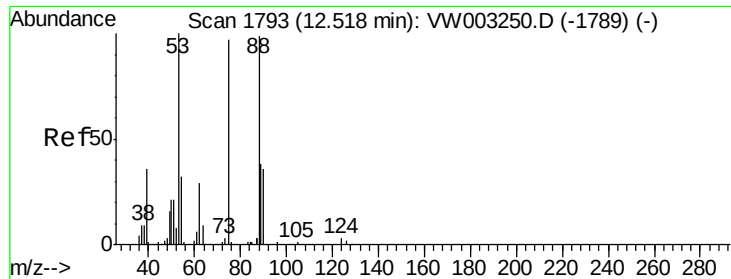
#76
 1,2,3-Trichloropropane
 Concen: 48.415 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003596.D
 Acq: 27 Jun 2018 03:58

Tgt Ion: 75 Resp: 19092
 Ion Ratio Lower Upper
 75 100
 77 1.0 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: 111.405 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003596.D

Acq: 27 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

AOC11-01RE

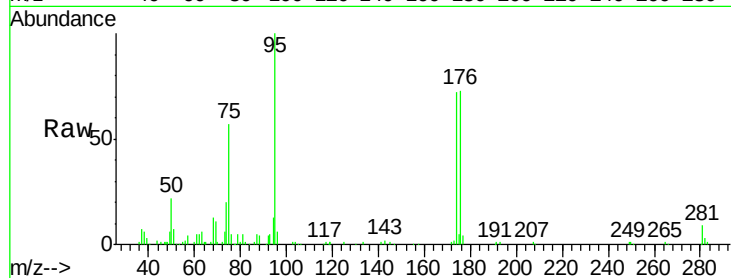
Tgt Ion: 75 Resp: 19092

Ion Ratio Lower Upper

75 100

53 0.8 82.9 124.3#

89 0.0 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

