

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\
 Data File : VW003670.D
 Acq On : 29 Jun 2018 19:25
 Operator : SY/AP
 Sample : J3773-01RE
 Misc : 6.18G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 30 03:43:04 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	38634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	59999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	59971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	27614	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	32148	76.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	153.64%	
35) Dibromofluoromethane	7.88	113	25952	69.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	139.22%	
50) Toluene-d8	10.33	98	79285	53.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.26%	
62) 4-Bromofluorobenzene	12.62	95	26842	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.62%	

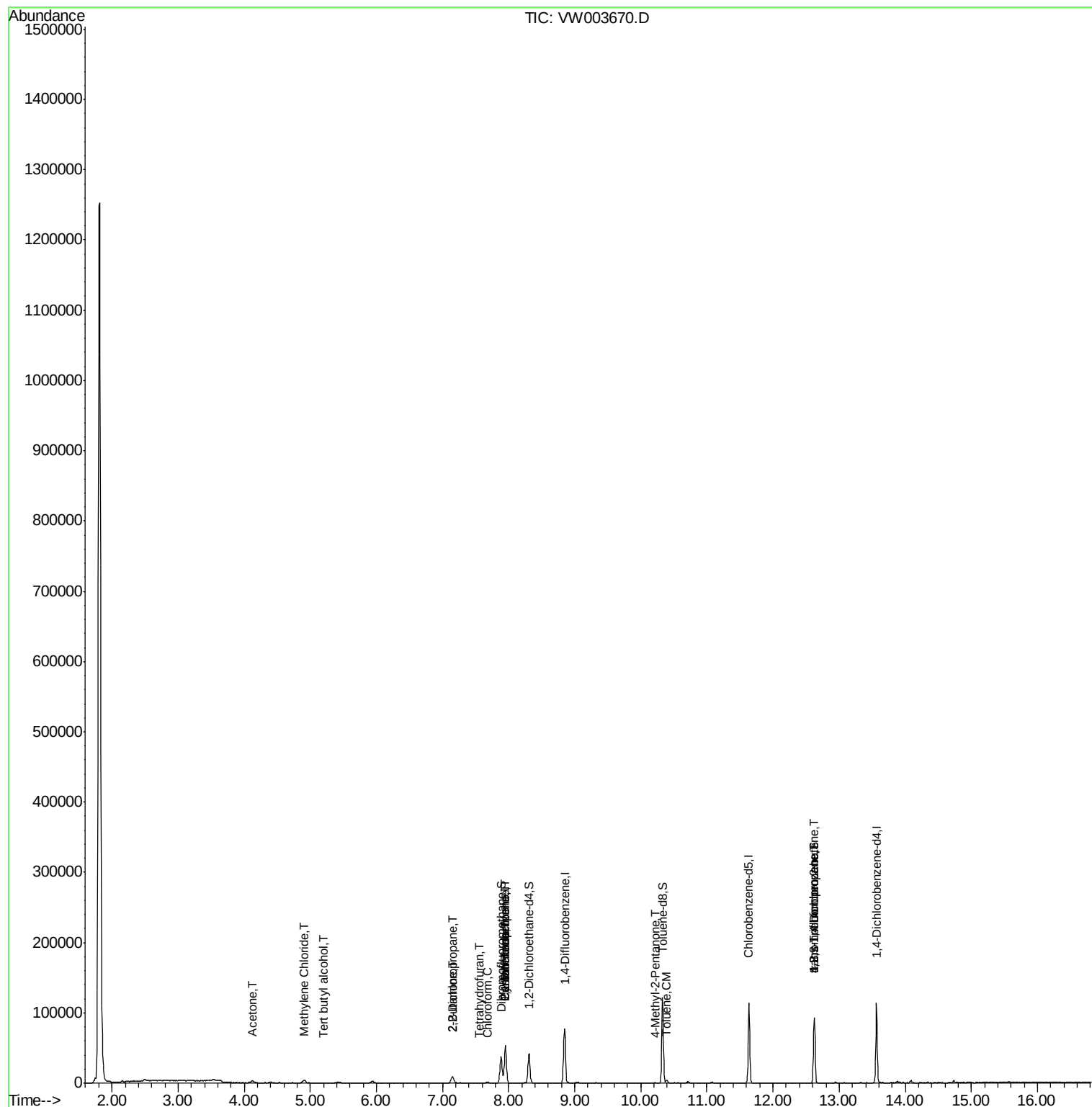
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	84	3.743	ug/l #	84
16) Acetone	4.12	43	4816	54.874	ug/l	98
20) Methylene Chloride	4.92	84	2732	3.947	ug/l #	82
25) 2-Butanone	7.14	43	560	5.131	ug/l #	50
26) 2,2-Dichloropropane	7.16	77	519	1.074	ug/l #	53
29) Tetrahydrofuran	7.56	42	80	1.199	ug/l #	35
30) Chloroform	7.67	83	1079	1.463	ug/l	98
31) Cyclohexane	7.96	56	939	1.389	ug/l #	35
36) 1,1-Dichloropropene	7.95	75	3607	6.225	ug/l #	49
38) Carbon Tetrachloride	7.95	117	3949	6.948	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	271	1.116	ug/l #	39
52) Toluene	10.39	92	1433	1.399	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	14469	61.292	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	14469	141.036	ug/l #	9

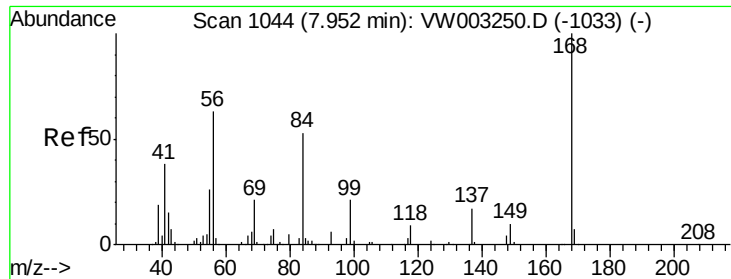
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003670.D

Acq: 29 Jun 2018 19:25

Instrument :

MSVOA_W

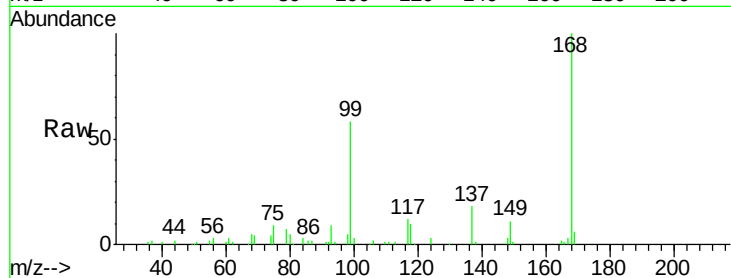
ClientSampleId :

Tot Ion:168 Resp: 38634

Ion Ratio Lower Upper

168 100

99 58.2 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

15000

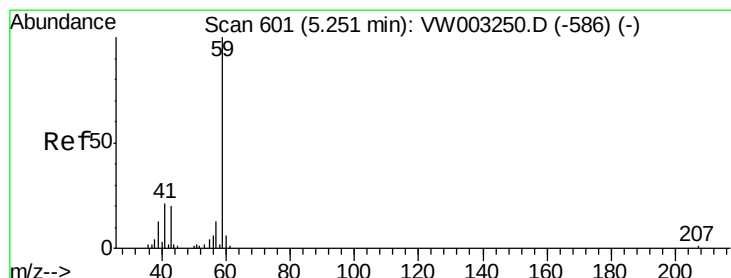
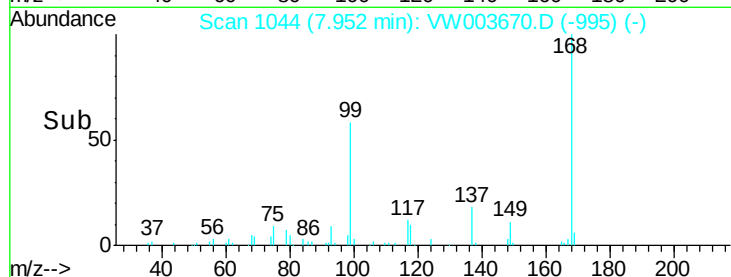
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 3.743 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.05 min

Lab File: VW003670.D

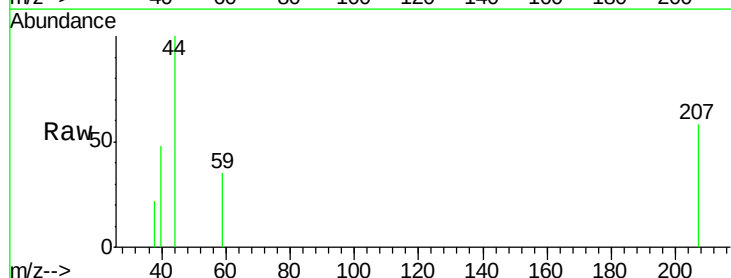
Acq: 29 Jun 2018 19:25

Tgt Ion: 59 Resp: 84

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

150

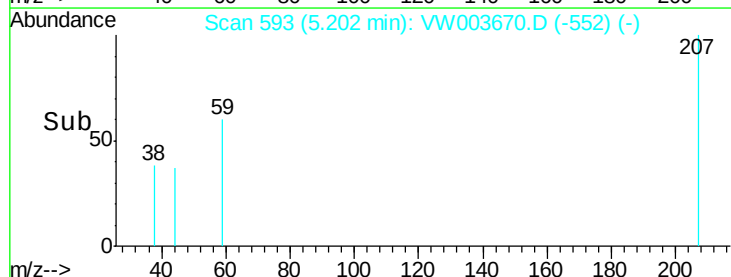
100

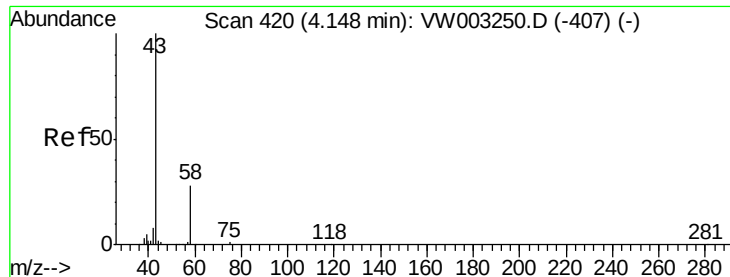
50

0

5.20 5.22

Time-->





#16

Acetone

Concen: 54.874 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.02 min

Lab File: VW003670.D

Acq: 29 Jun 2018 19:25

Instrument :

MSVOA_W

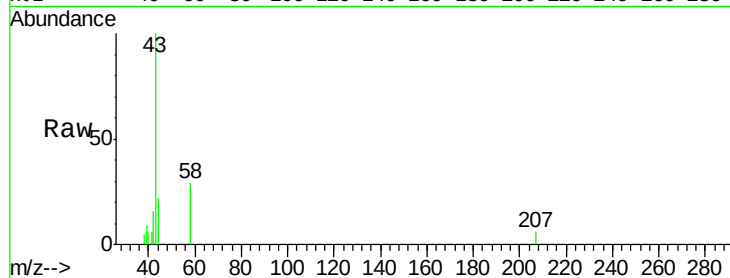
ClientSampleId :

Tot Ion: 43 Resp: 4816

Ion Ratio Lower Upper

43 100

58 29.4 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

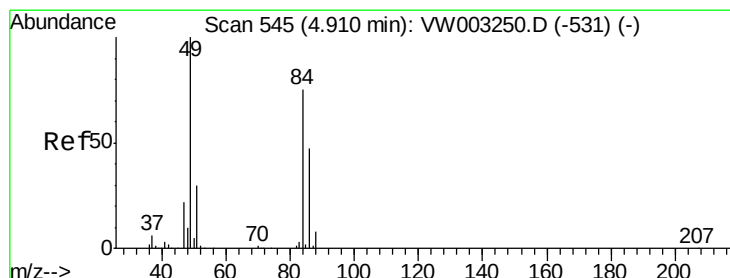
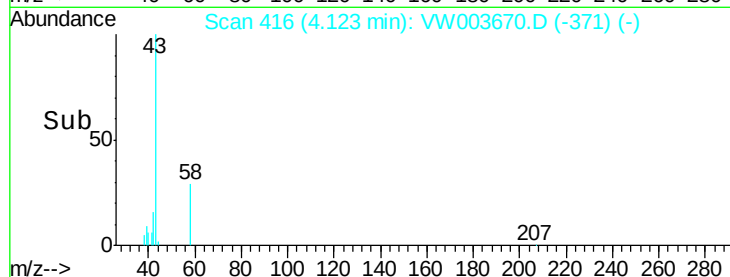
1500

1000

500

0

Time--> 4.00 4.10 4.20



#20

Methylene Chloride

Concen: 3.947 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003670.D

Acq: 29 Jun 2018 19:25

Tgt Ion: 84 Resp: 2732

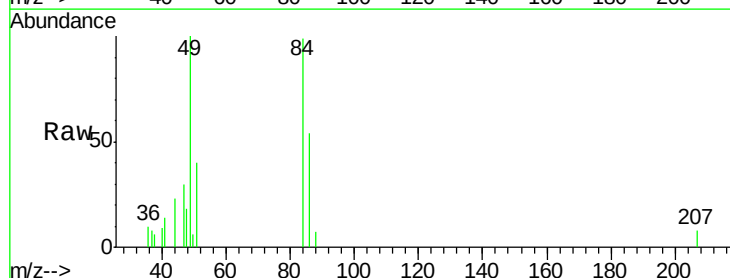
Ion Ratio Lower Upper

84 100

49 101.3 106.3 159.5#

51 40.0 32.0 48.0

86 54.4 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

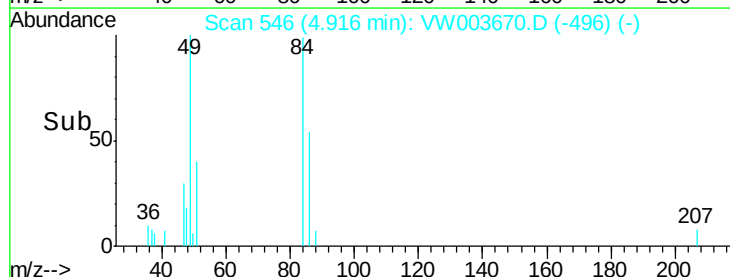
1500

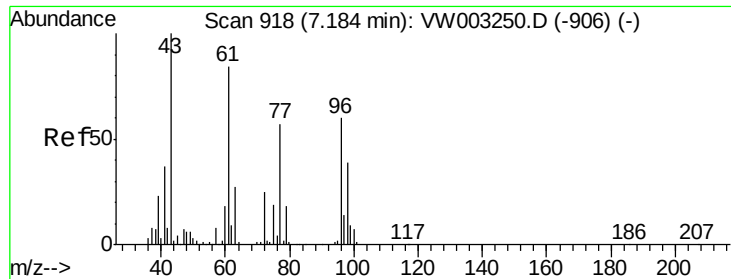
1000

500

0

Time--> 4.80 4.85 4.90 4.95 5.00





#25

2-Butanone

Concen: 5.131 ug/l

RT: 7.14 min Scan# 911

Delta R.T. -0.04 min

Lab File: VW003670.D

Acq: 29 Jun 2018 19:25

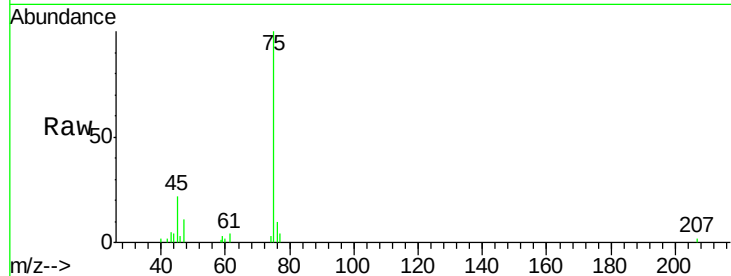
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 560

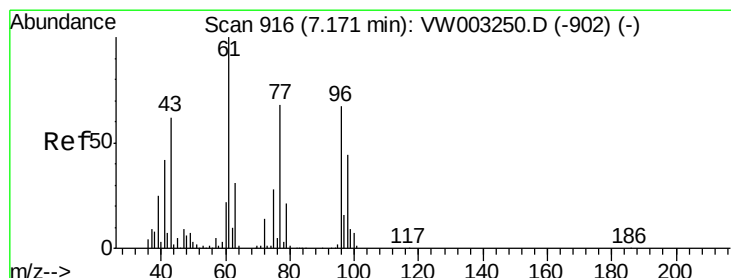
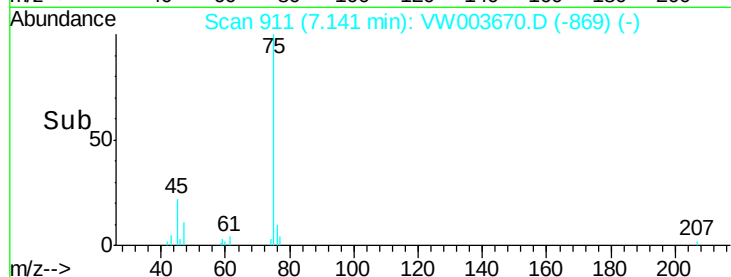
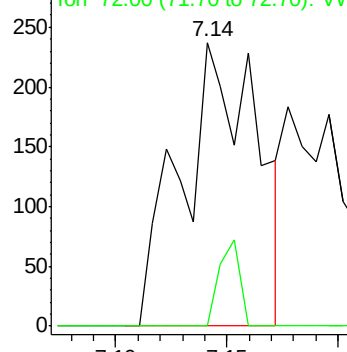
Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.074 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003670.D

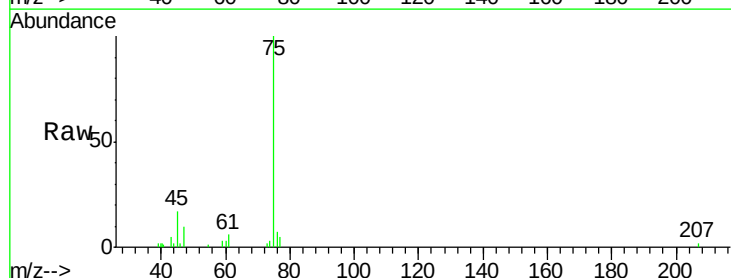
Acq: 29 Jun 2018 19:25

Tgt Ion: 77 Resp: 519

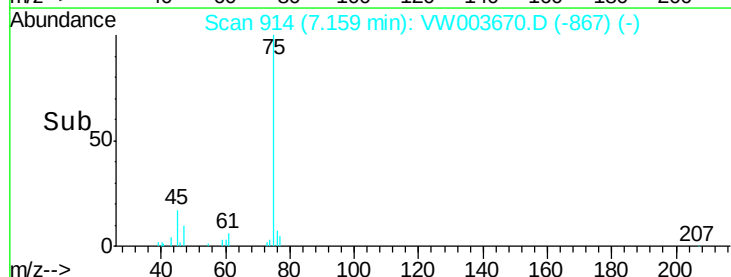
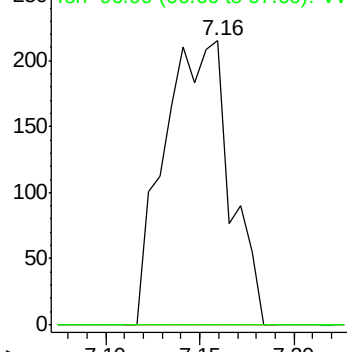
Ion Ratio Lower Upper

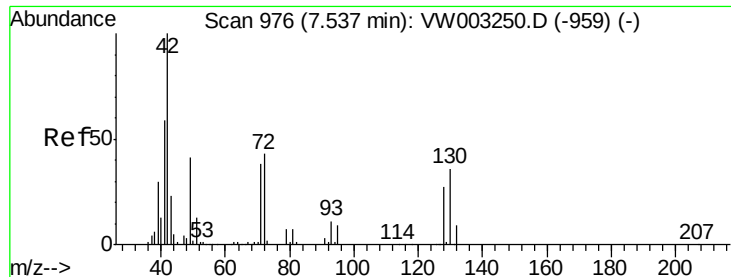
77 100

97 0.0 11.3 33.9#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW





#29

Tetrahydrofuran

Concen: 1.199 ug/l

RT: 7.56 min Scan# 980

Delta R.T. 0.02 min

Lab File: VW003670.D

Acq: 29 Jun 2018 19:25

Instrument :

MSVOA_W

ClientSampled :

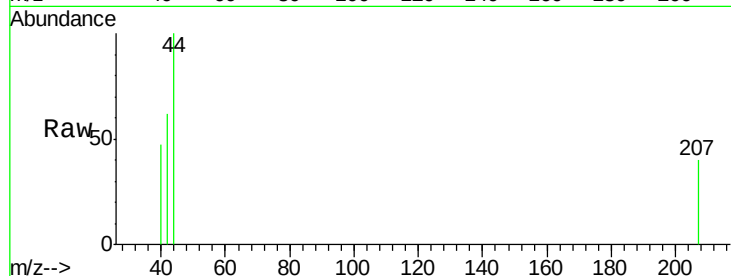
Tot Ion: 42 Resp: 80

Ion Ratio Lower Upper

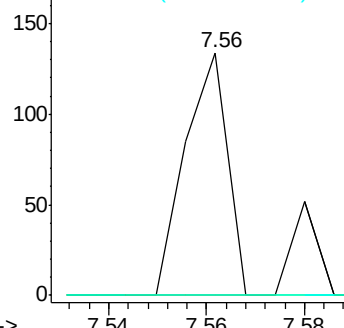
42 100

72 0.0 32.4 48.6#

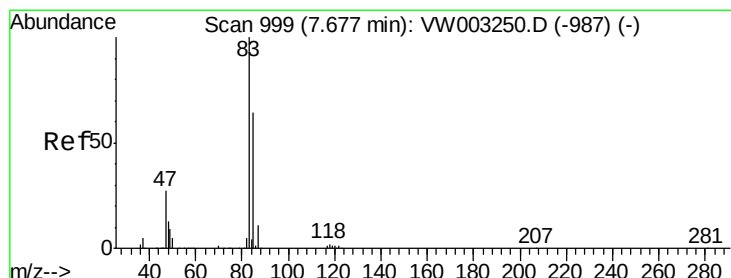
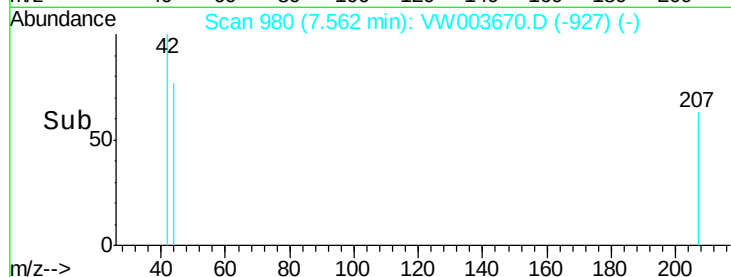
71 0.0 31.2 46.8#



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



Time-->



#30

Chloroform

Concen: 1.463 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW003670.D

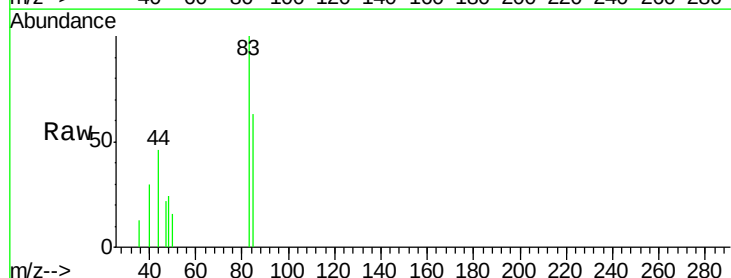
Acq: 29 Jun 2018 19:25

Tgt Ion: 83 Resp: 1079

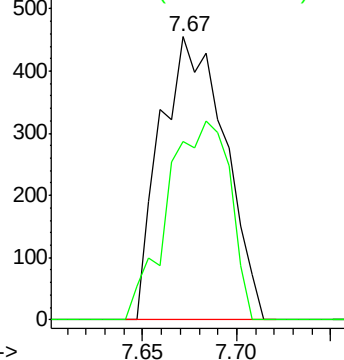
Ion Ratio Lower Upper

83 100

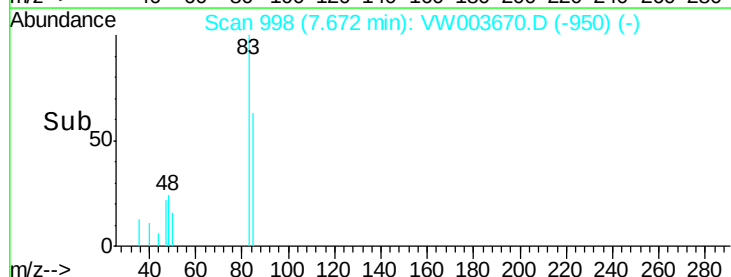
85 62.9 51.3 76.9

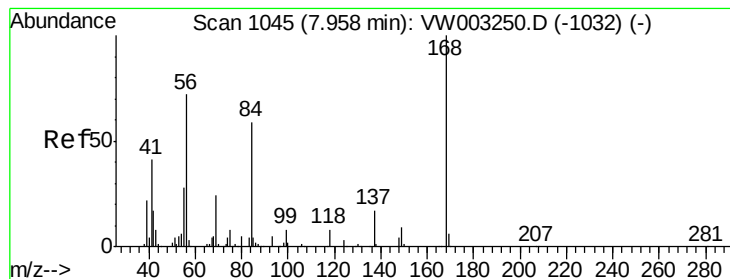


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW



Time-->





#31

Cyclohexane

Concen: 1.389 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

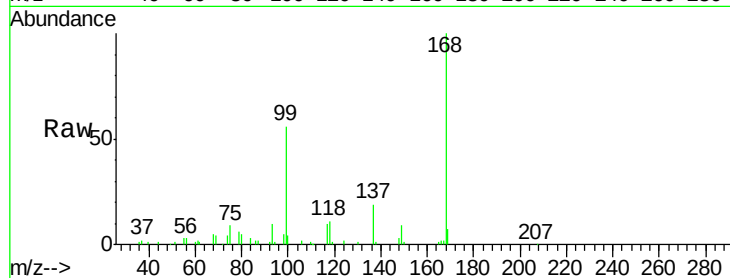
Lab File: VW003670.D

Acq: 29 Jun 2018 19:25

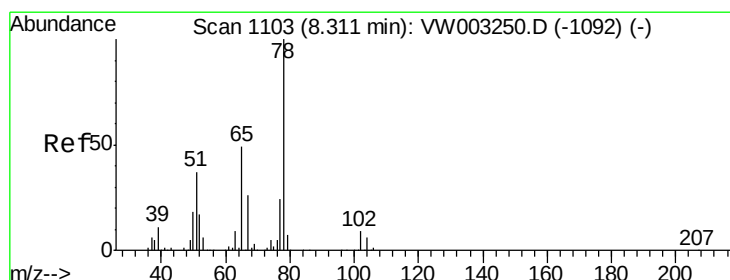
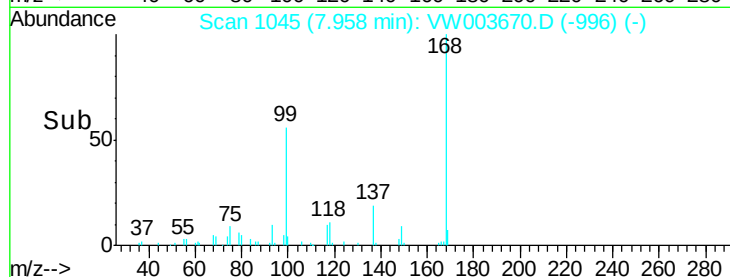
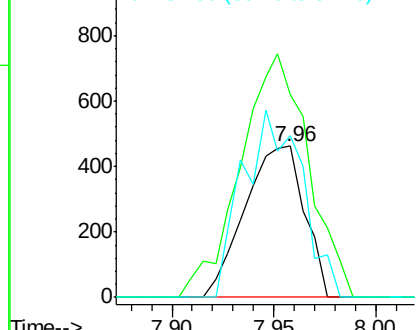
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 939

Ion	Ratio	Lower	Upper
56	100		
69	121.6	26.3	39.5#
84	106.7	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: 76.823 ug/l

RT: 8.31 min Scan# 1102

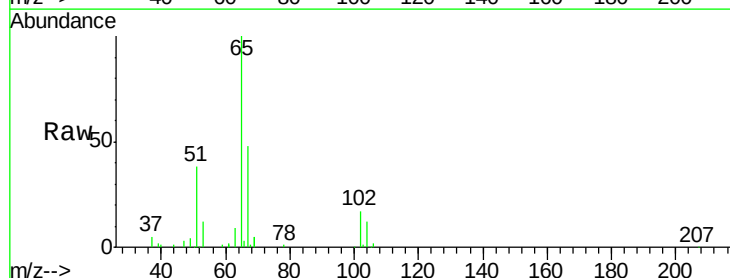
Delta R.T. -0.01 min

Lab File: VW003670.D

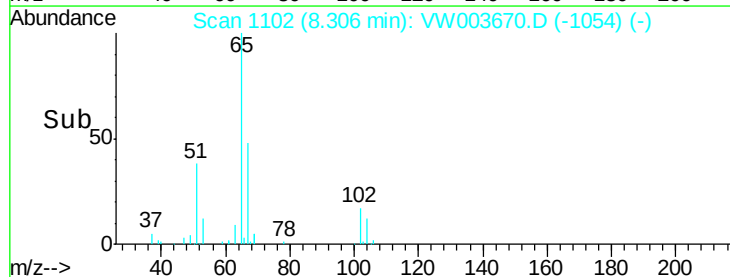
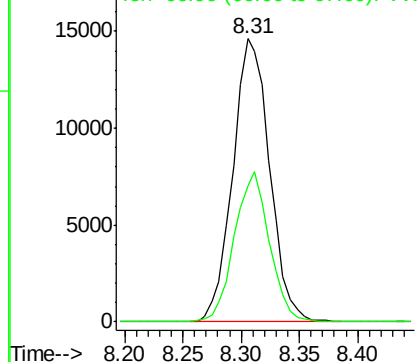
Acq: 29 Jun 2018 19:25

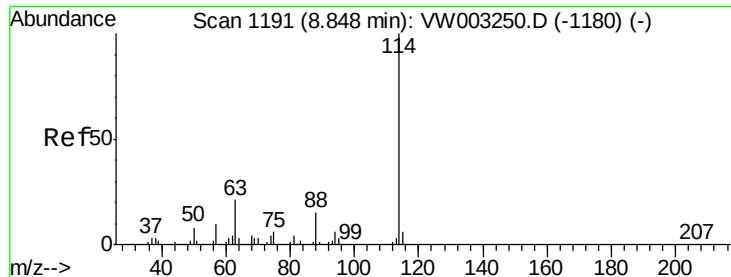
Tgt Ion: 65 Resp: 32148

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	104.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

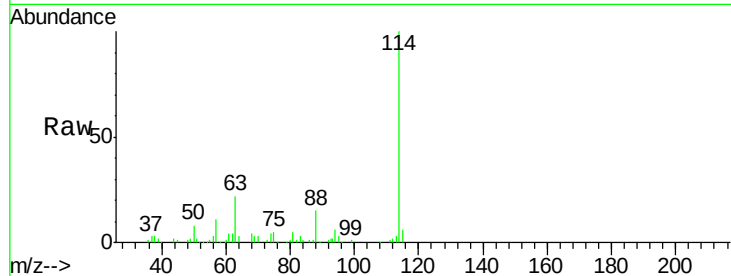




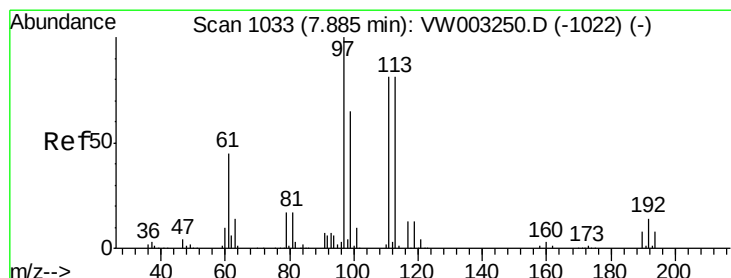
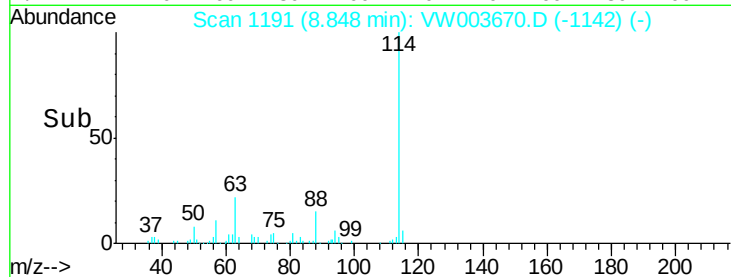
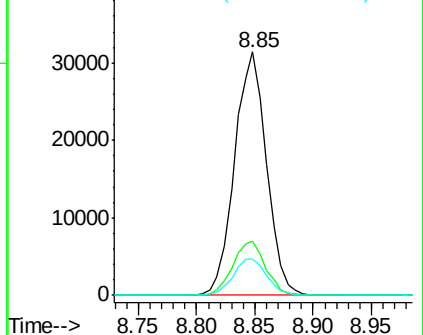
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003670.D
 Acq: 29 Jun 2018 19:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.0
88	14.8	0.0	29.6

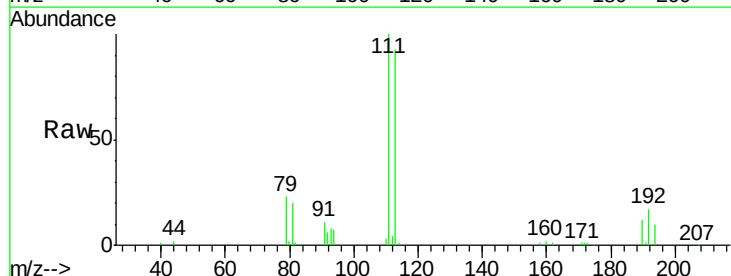


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

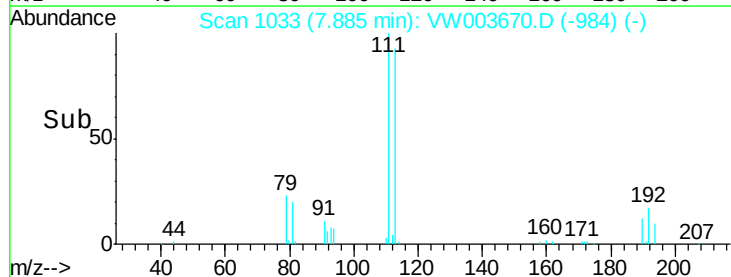
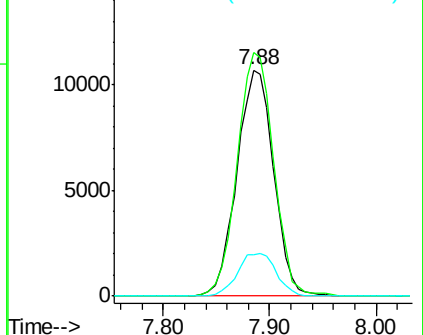


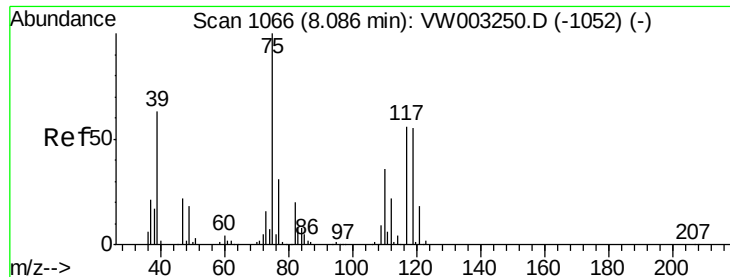
#35
 Dibromofluoromethane
 Concen: 69.611 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003670.D
 Acq: 29 Jun 2018 19:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.9	82.2	123.2
192	19.7	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

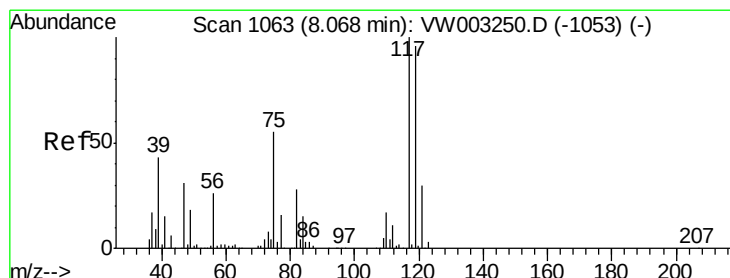
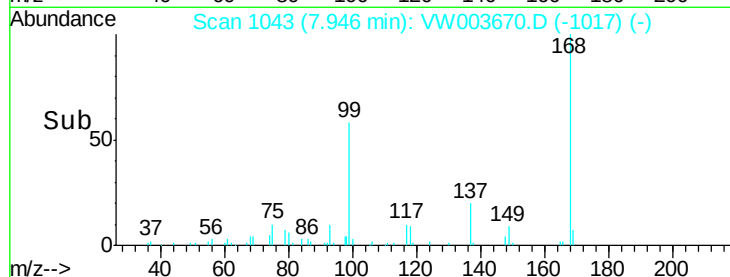
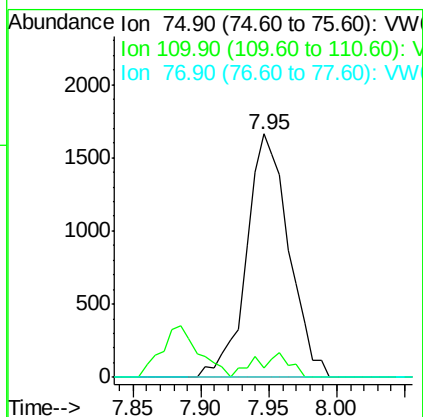
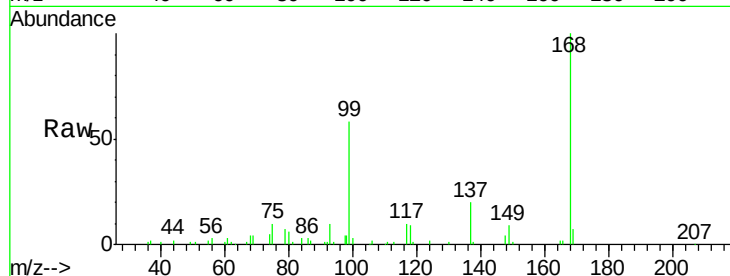




#36
 1,1-Dichloropropene
 Concen: 6.225 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.14 min
 Lab File: VW003670.D
 Acq: 29 Jun 2018 19:25

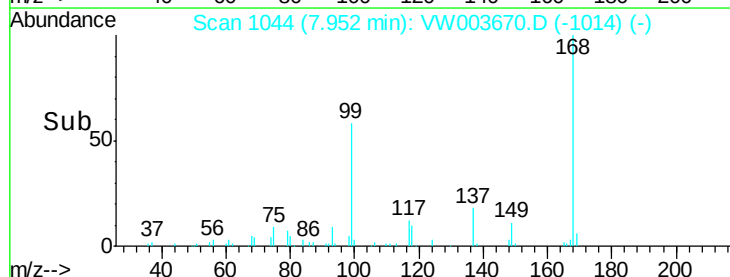
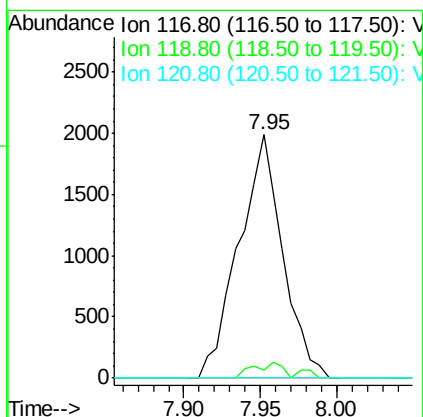
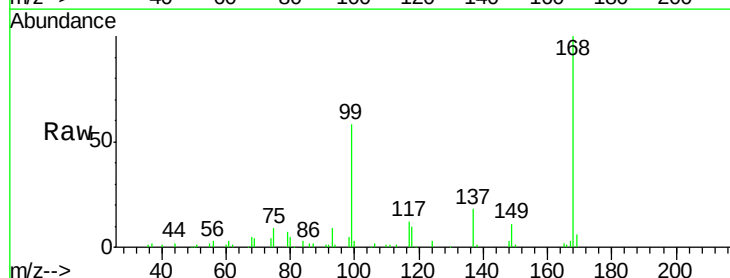
Instrument :
 MSVOA_W
 ClientSampleId :

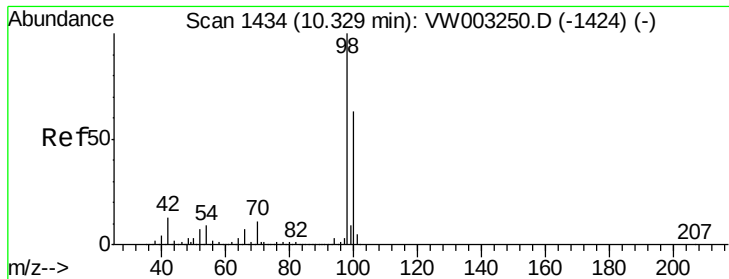
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.1	51.3#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.948 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003670.D
 Acq: 29 Jun 2018 19:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.5	76.6	115.0#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 53.633 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003670.D

Acq: 29 Jun 2018 19:25

Instrument :

MSVOA_W

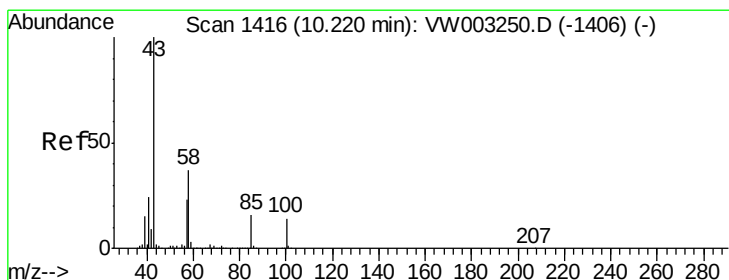
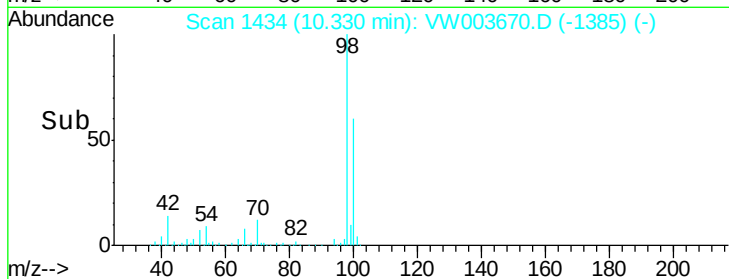
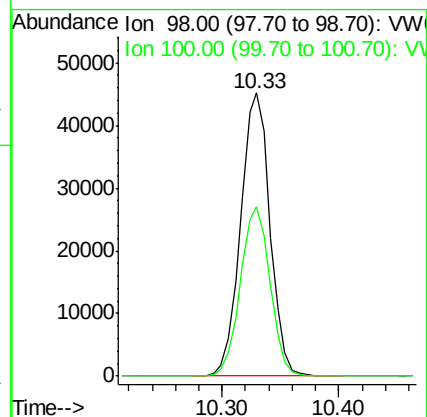
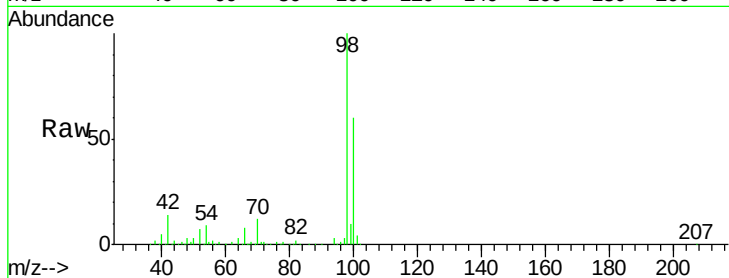
ClientSampled :

Tot Ion: 98 Resp: 79285

Ion Ratio Lower Upper

98 100

100 60.4 50.8 76.2



#51

4-Methyl-2-Pentanone

Concen: 1.116 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW003670.D

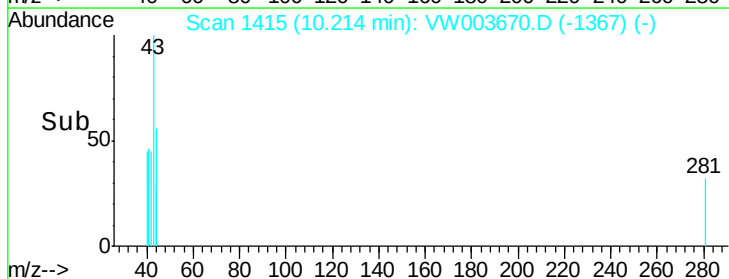
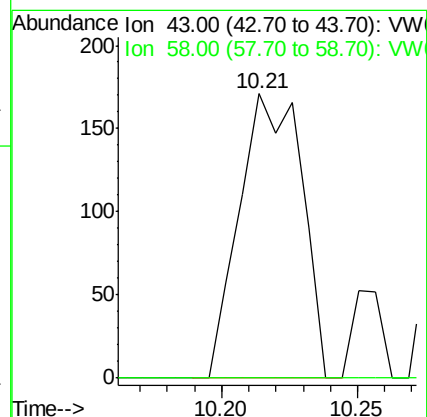
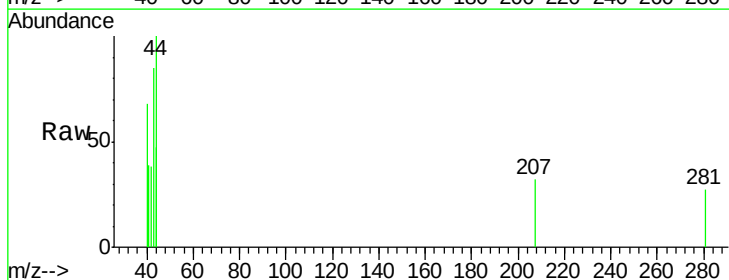
Acq: 29 Jun 2018 19:25

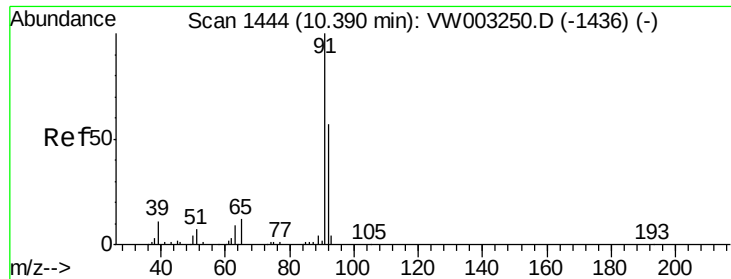
Tgt Ion: 43 Resp: 271

Ion Ratio Lower Upper

43 100

58 0.0 29.0 43.4#





#52

Toluene

Concen: 1.399 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003670.D

Acq: 29 Jun 2018 19:25

Instrument :

MSVOA_W

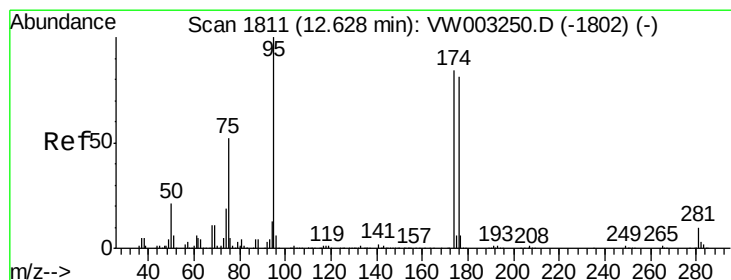
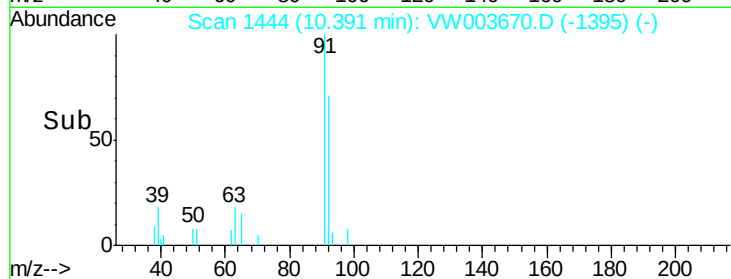
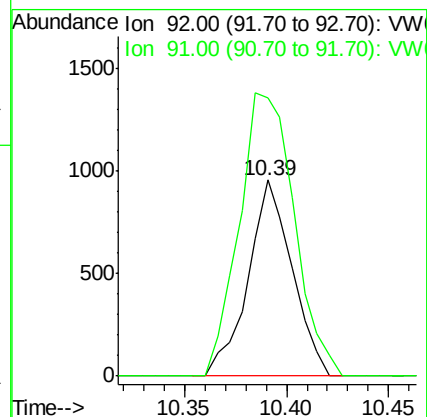
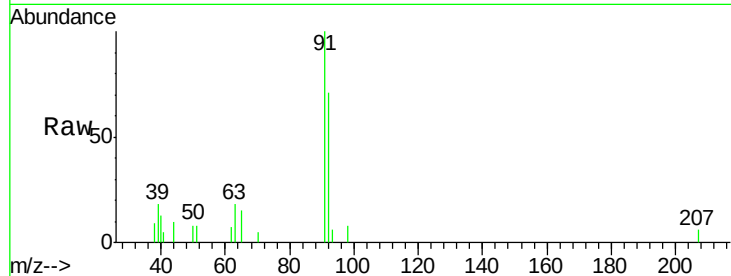
ClientSampleId :

Tot Ion: 92 Resp: 1433

Ion Ratio Lower Upper

92 100

91 180.5 141.1 211.7



#62

4-Bromofluorobenzene

Concen: 51.308 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003670.D

Acq: 29 Jun 2018 19:25

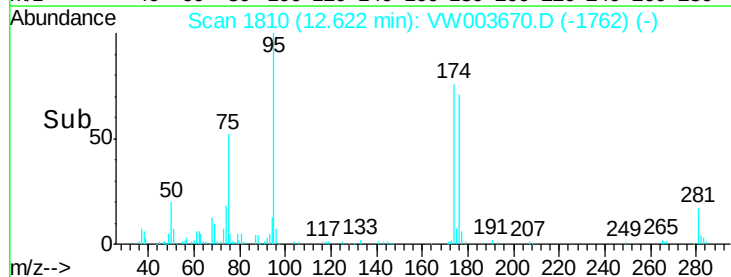
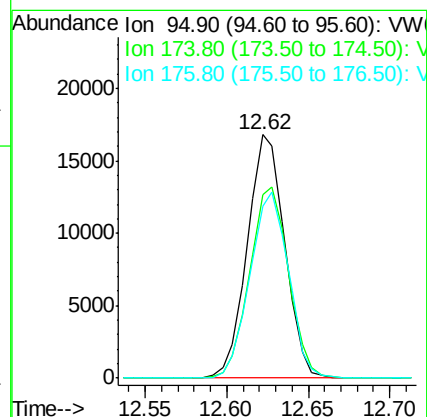
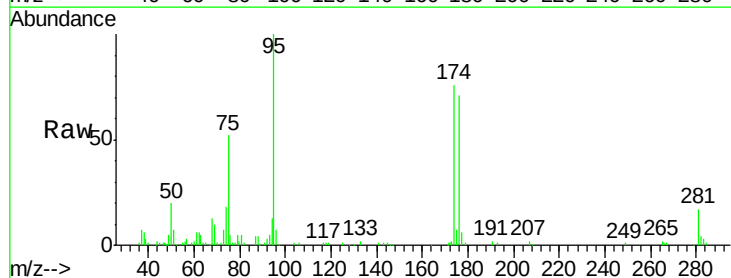
Tgt Ion: 95 Resp: 26842

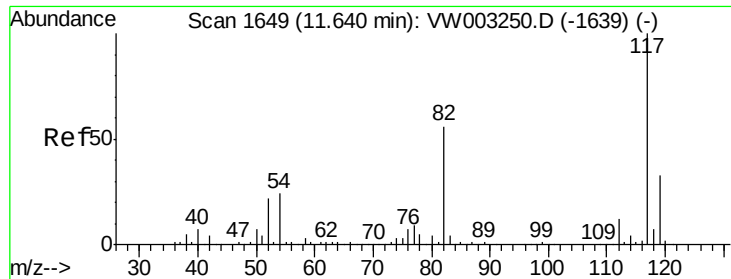
Ion Ratio Lower Upper

95 100

174 81.8 0.0 166.4

176 78.9 0.0 162.0

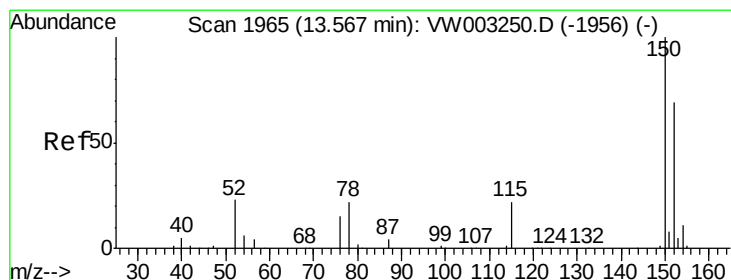
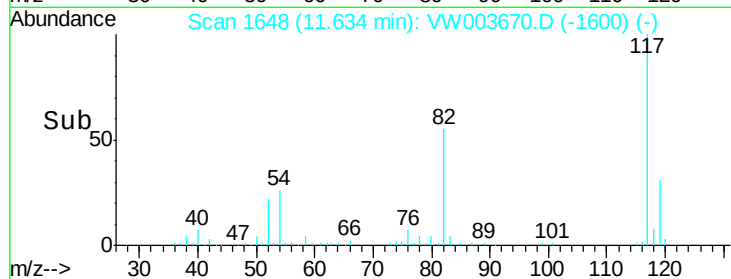
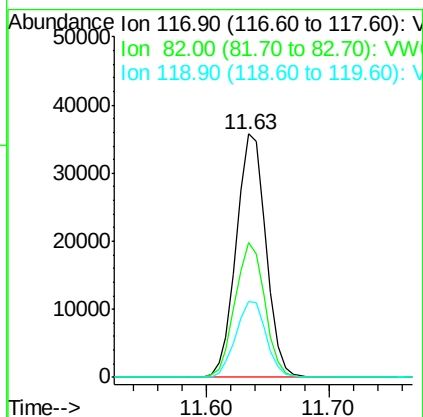
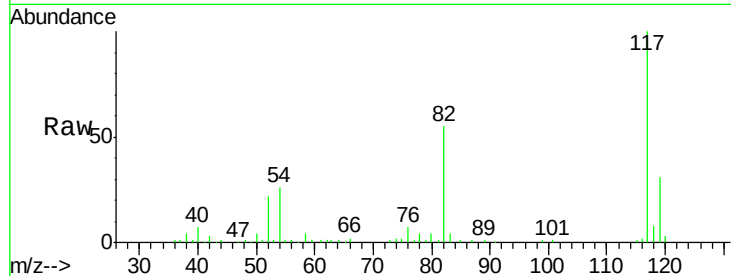




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003670.D
Acq: 29 Jun 2018 19:25

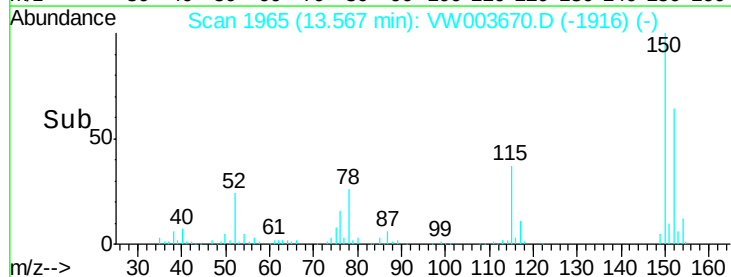
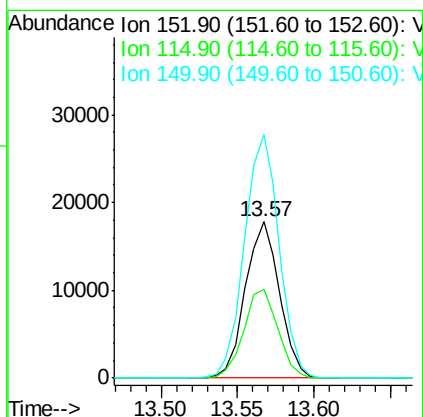
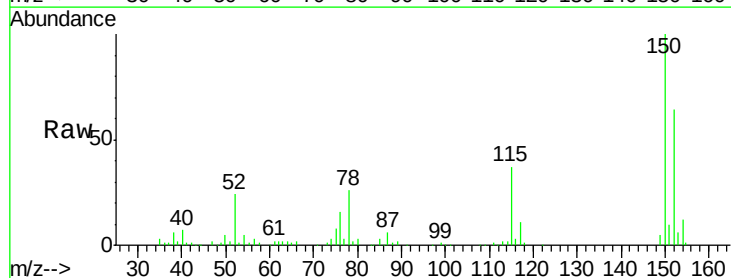
Instrument :
MSVOA_W
ClientSampled :

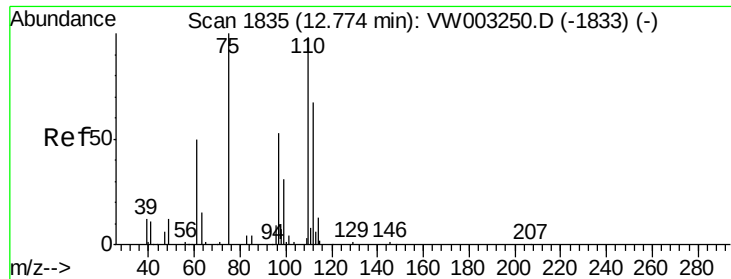
Tot Ion:117 Resp: 59971
Ion Ratio Lower Upper
117 100
82 55.2 44.6 67.0
119 31.3 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003670.D
Acq: 29 Jun 2018 19:25

Tgt Ion:152 Resp: 27614
Ion Ratio Lower Upper
152 100
115 57.0 29.3 88.0
150 158.0 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 61.292 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003670.D

Acq: 29 Jun 2018 19:25

Instrument :

MSVOA_W

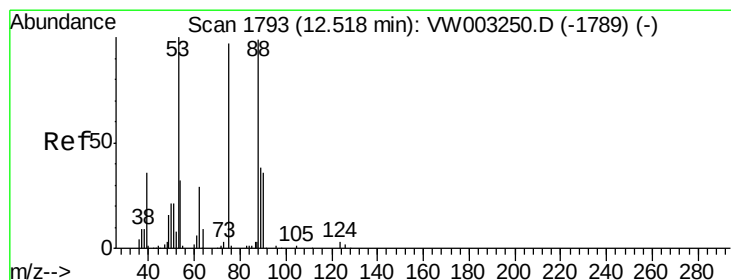
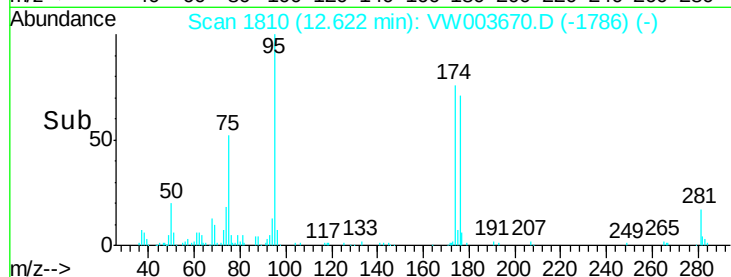
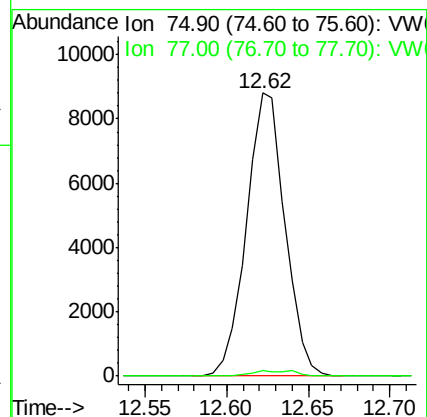
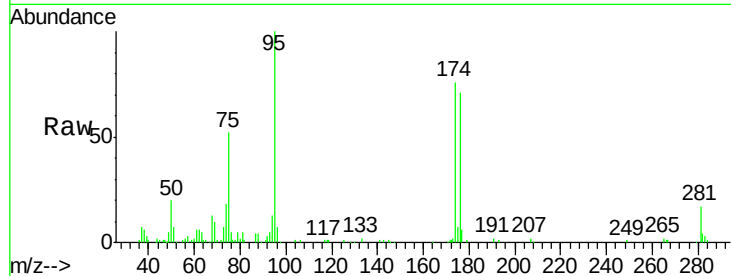
ClientSampleId :

Tot Ion: 75 Resp: 14469

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.036 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003670.D

Acq: 29 Jun 2018 19:25

Tgt Ion: 75 Resp: 14469

Ion Ratio Lower Upper

75 100

53 0.1 82.9 124.3#

89 0.3 36.7 55.1#

