

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\
 Data File : VW003658.D
 Acq On : 29 Jun 2018 14:15
 Operator : SY/AP
 Sample : J3745-01RE
 Misc : 6.34G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 30 03:38:52 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	52363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	88173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	71746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	17424	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	33693	59.41	ug/l	0.00
Spiked Amount			Recovery	=	118.82%	
35) Dibromofluoromethane	7.89	113	30475	55.62	ug/l	0.00
Spiked Amount			Recovery	=	111.24%	
50) Toluene-d8	10.33	98	72707	33.47	ug/l	0.00
Spiked Amount			Recovery	=	66.94%	
62) 4-Bromofluorobenzene	12.62	95	18867	24.54	ug/l	0.00
Spiked Amount			Recovery	=	49.08%	

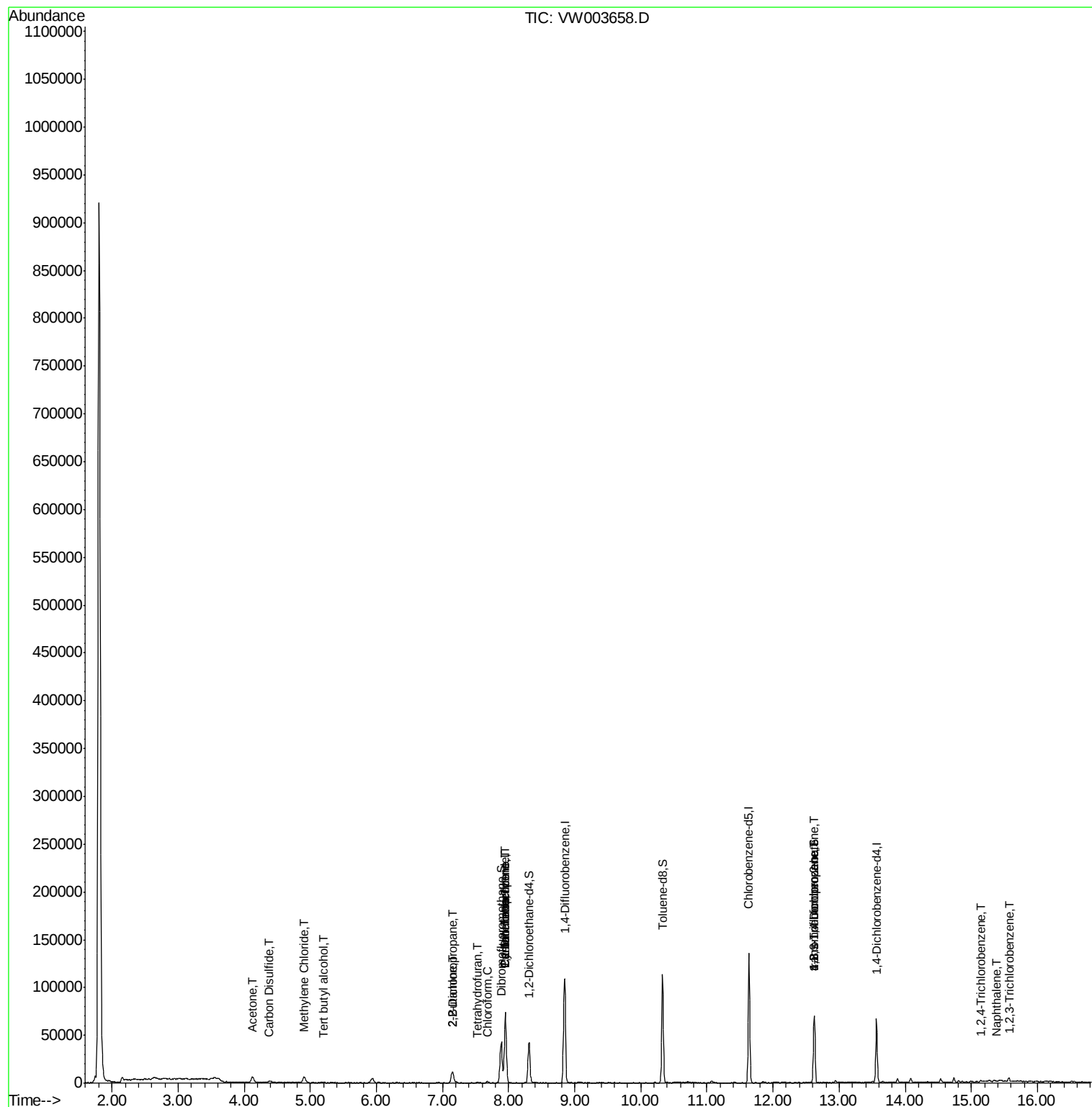
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	230	7.561	ug/l #	84
16) Acetone	4.12	43	10932	91.902	ug/l	99
17) Carbon Disulfide	4.37	76	1782	1.272	ug/l #	75
20) Methylene Chloride	4.90	84	3909	4.387	ug/l #	91
25) 2-Butanone	7.15	43	462	3.123	ug/l #	50
26) 2,2-Dichloropropane	7.15	77	934	1.427	ug/l #	53
29) Tetrahydrofuran	7.53	42	156	1.726	ug/l #	35
30) Chloroform	7.68	83	1094	1.095	ug/l	95
31) Cyclohexane	7.95	56	1403	1.531	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	4191	4.922	ug/l #	46
38) Carbon Tetrachloride	7.95	117	5370	6.429	ug/l #	21
76) 1,2,3-Trichloropropane	12.62	75	10566	70.934	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	10566	163.223	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.15	180	416	1.167	ug/l	93
95) Naphthalene	15.38	128	874	1.445	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.57	180	323	1.029	ug/l	81

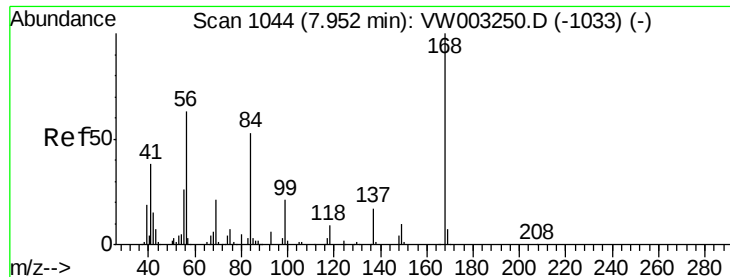
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003658.D

Acq: 29 Jun 2018 14:15

Instrument :

MSVOA_W

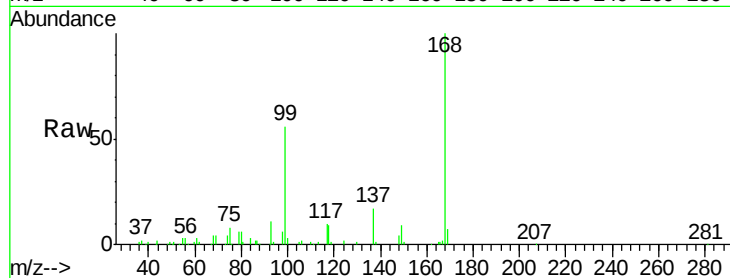
ClientSampled :

Tot Ion:168 Resp: 52363

Ion Ratio Lower Upper

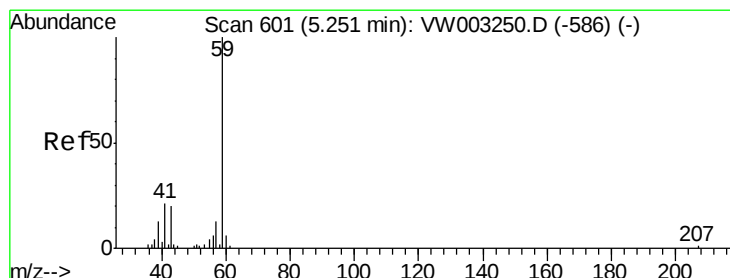
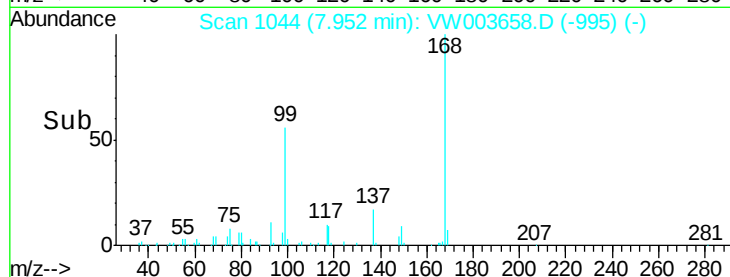
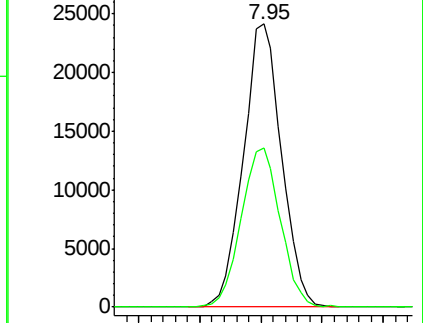
168 100

99 56.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 7.561 ug/l

RT: 5.20 min Scan# 592

Delta R.T. -0.05 min

Lab File: VW003658.D

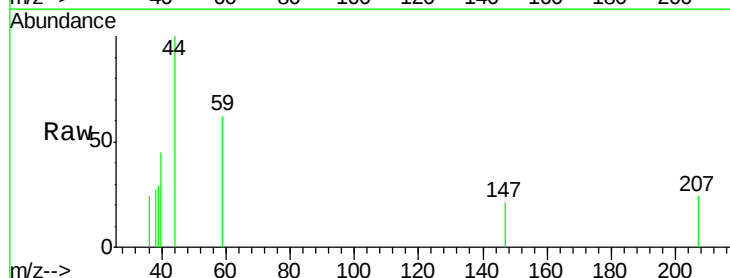
Acq: 29 Jun 2018 14:15

Tgt Ion: 59 Resp: 230

Ion Ratio Lower Upper

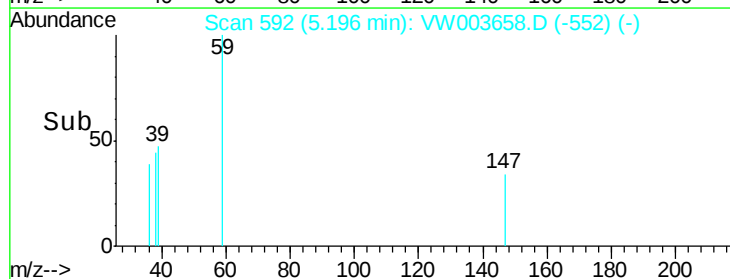
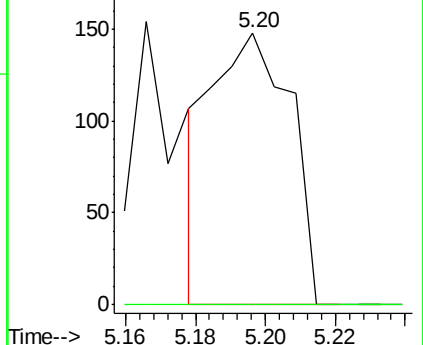
59 100

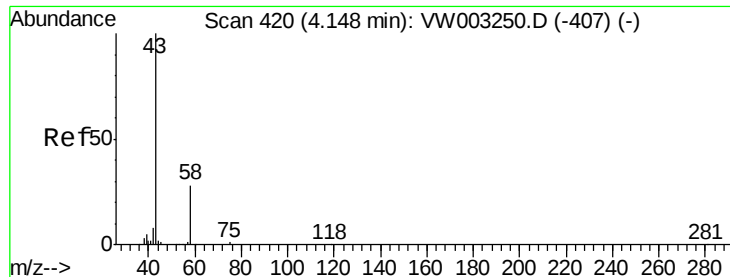
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 91.902 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.02 min

Lab File: VW003658.D

Acq: 29 Jun 2018 14:15

Instrument :

MSVOA_W

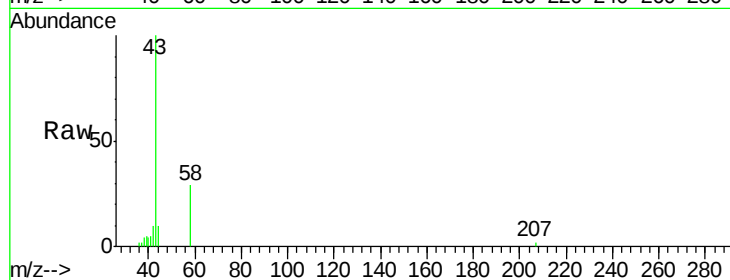
ClientSampled :

Tot Ion: 43 Resp: 10932

Ion Ratio Lower Upper

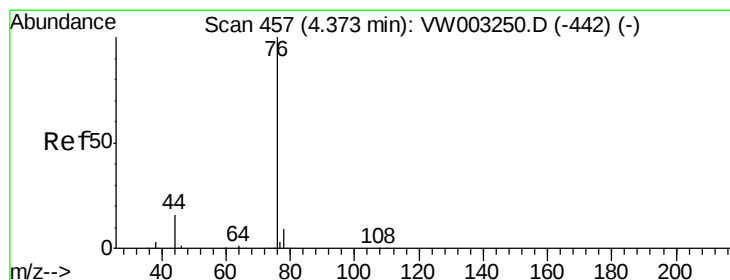
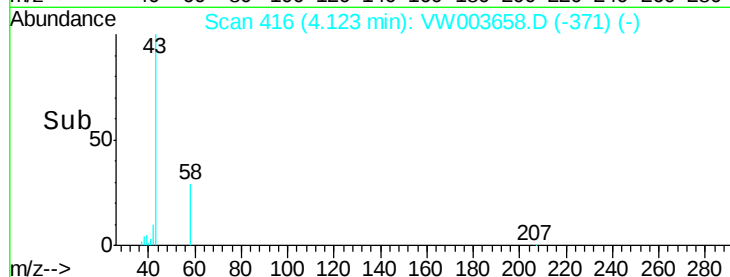
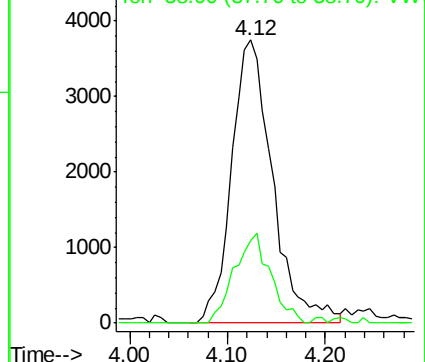
43 100

58 29.0 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.272 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003658.D

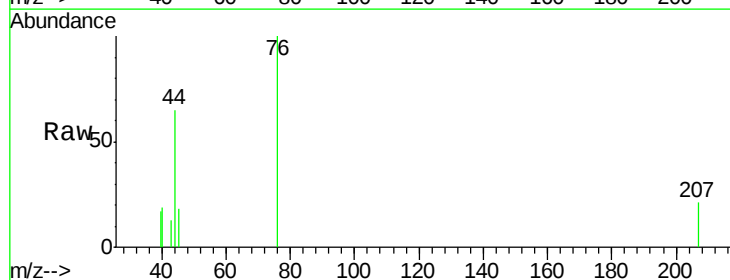
Acq: 29 Jun 2018 14:15

Tgt Ion: 76 Resp: 1782

Ion Ratio Lower Upper

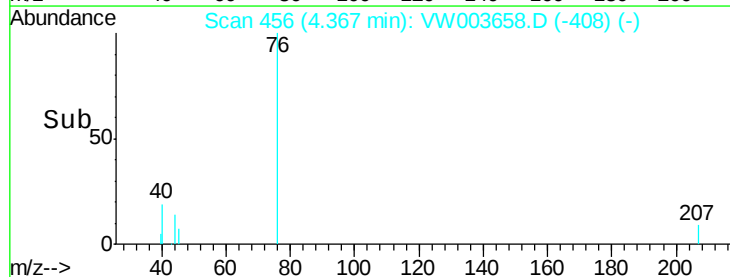
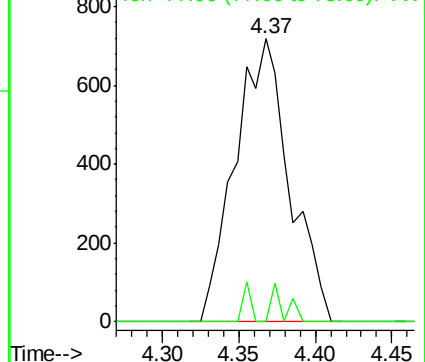
76 100

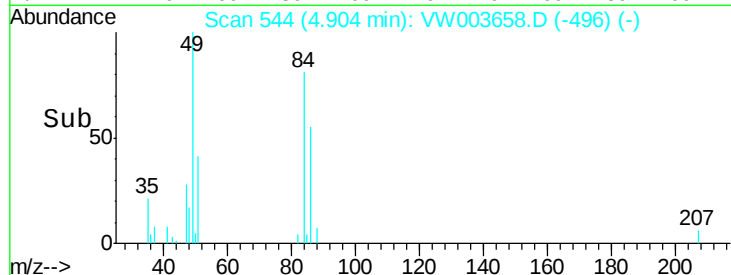
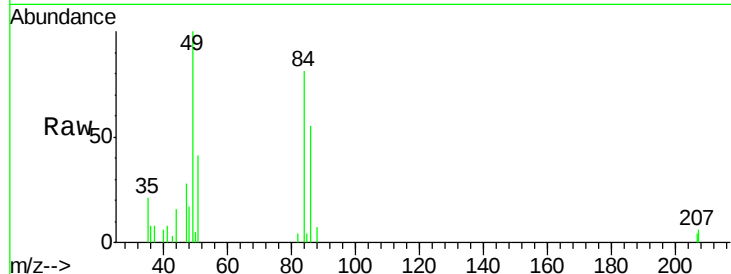
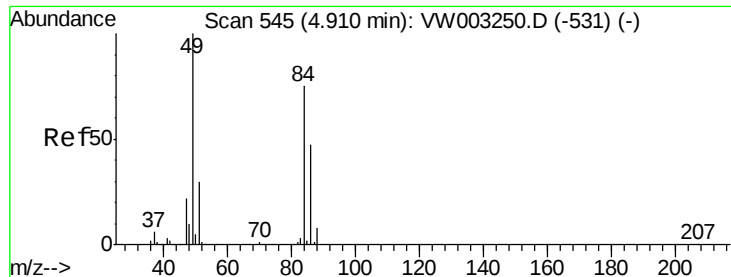
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

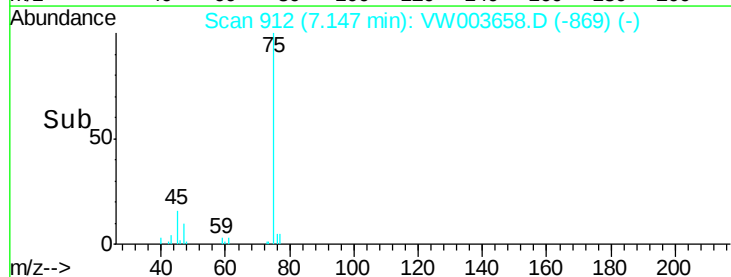
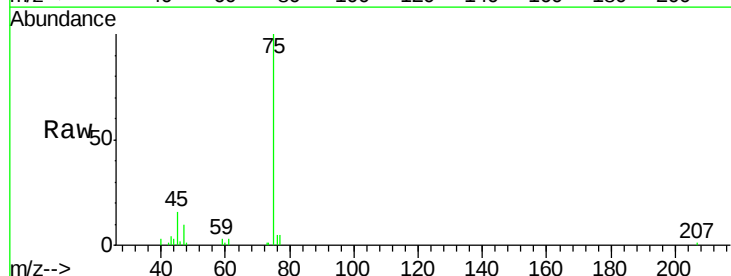
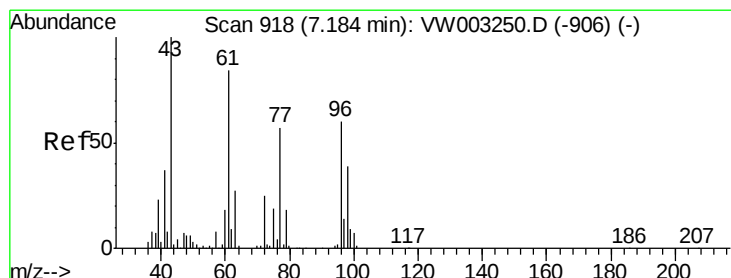
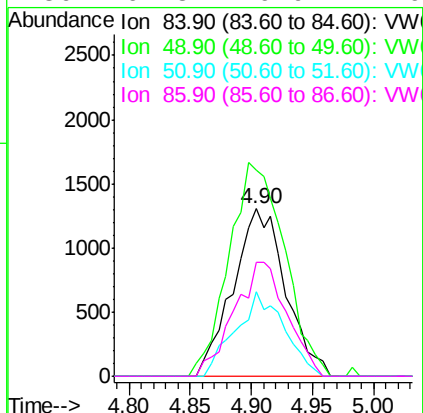




#20
Methvlene Chloride
Concen: 4.387 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003658.D
Acq: 29 Jun 2018 14:15

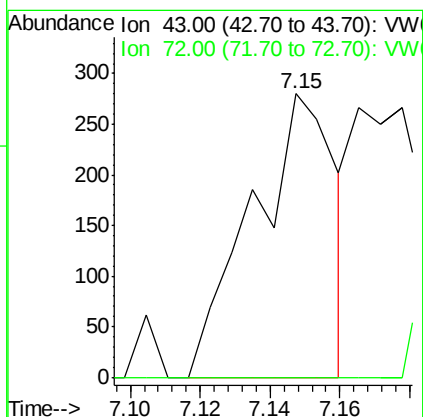
Instrument :
MSVOA_W
ClientSampled :

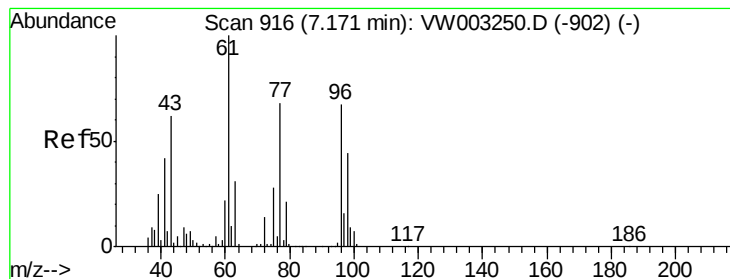
Tot Ion:	84	Resp:	3909
Ion	Ratio	Lower	Upper
84	100		
49	123.1	106.3	159.5
51	50.4	32.0	48.0#
86	67.8	49.9	74.9



#25
2-Butanone
Concen: 3.123 ug/l
RT: 7.15 min Scan# 912
Delta R.T. -0.04 min
Lab File: VW003658.D
Acq: 29 Jun 2018 14:15

Tgt Ion:	43	Resp:	462
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.3	30.5#





#26

2,2-Dichloropropane

Concen: 1.427 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW003658.D

Acq: 29 Jun 2018 14:15

Instrument :

MSVOA_W

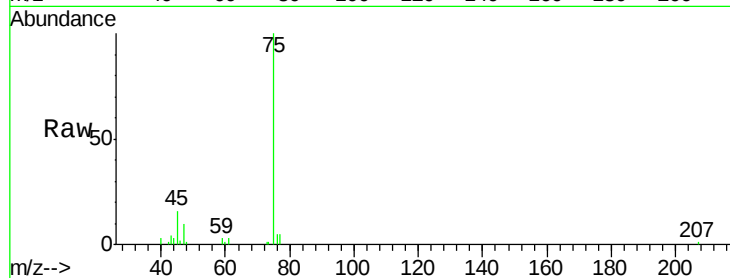
ClientSampled :

Tot Ion: 77 Resp: 934

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

7.15

400

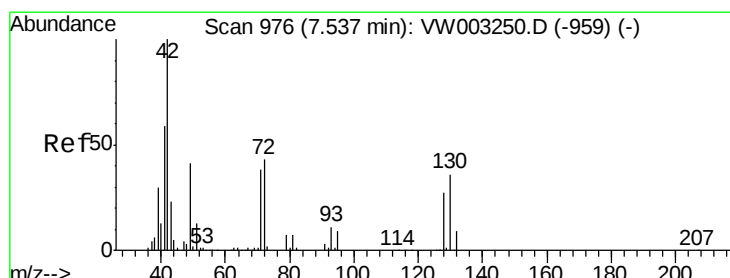
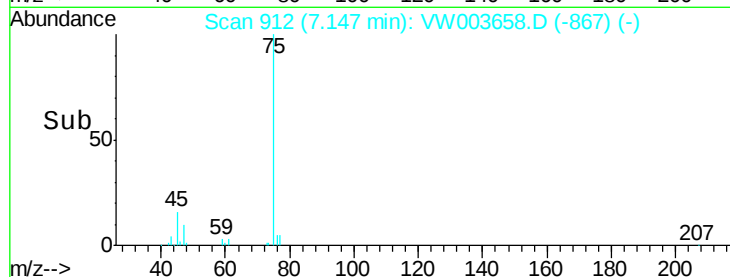
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 1.726 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.01 min

Lab File: VW003658.D

Acq: 29 Jun 2018 14:15

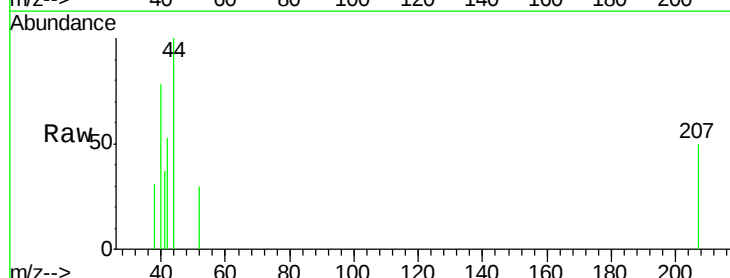
Tgt Ion: 42 Resp: 156

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

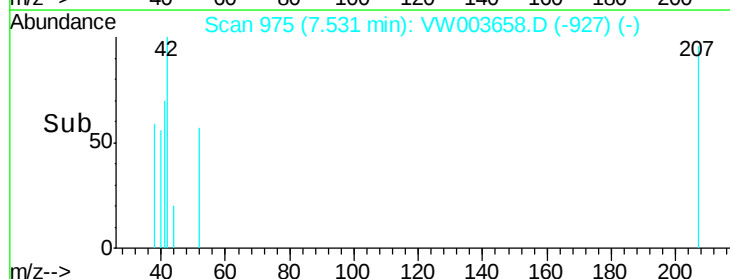
150

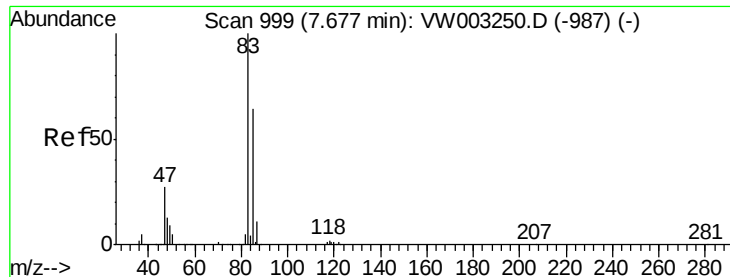
100

50

0

Time-->

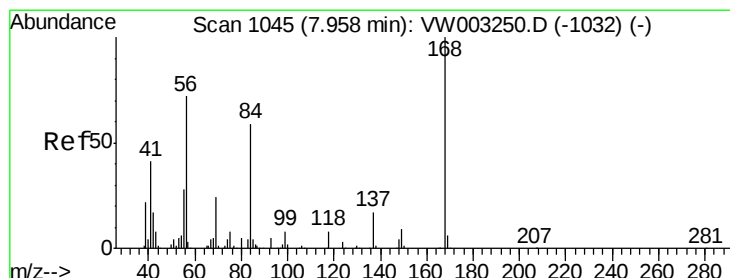
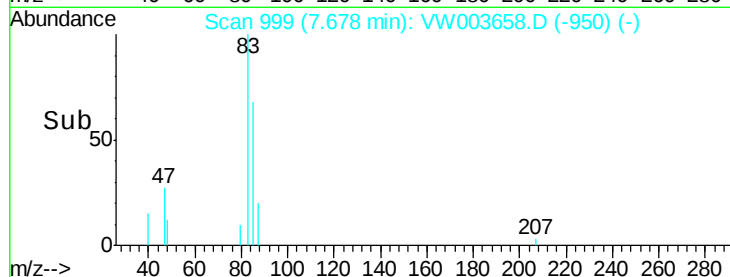
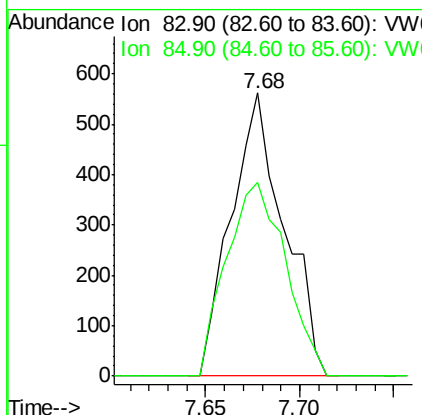
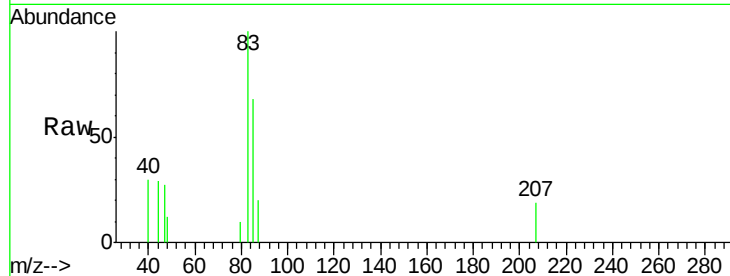




#30
Chloroform
Concen: 1.095 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003658.D
Acq: 29 Jun 2018 14:15

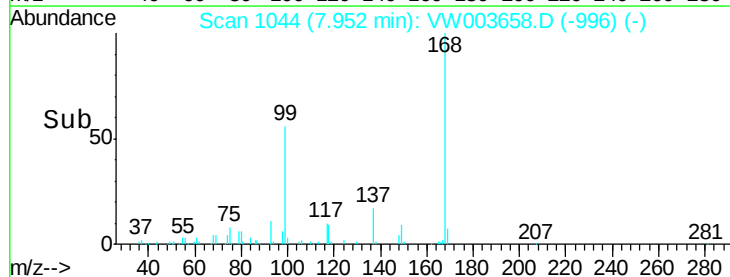
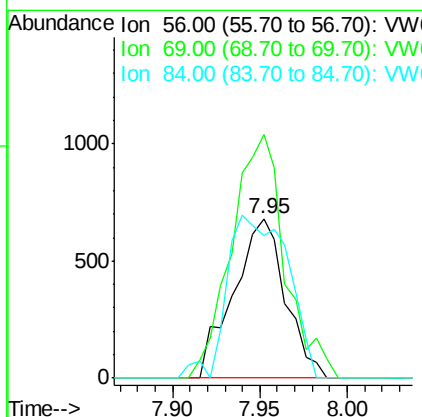
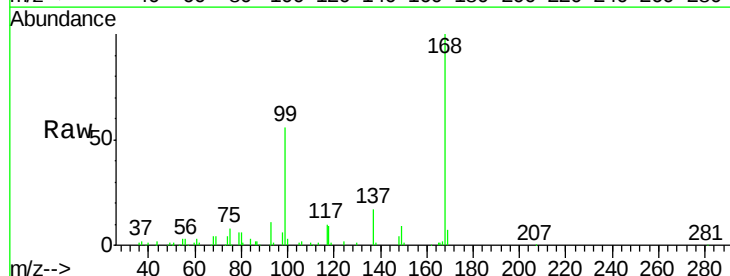
Instrument :
MSVOA_W
ClientSampleId :

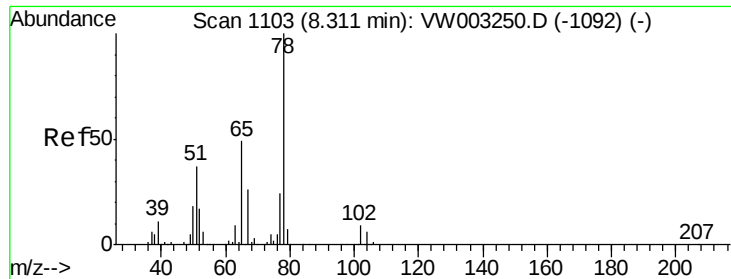
Tot Ion: 83 Resp: 1094
Ion Ratio Lower Upper
83 100
85 68.3 51.3 76.9



#31
Cyclohexane
Concen: 1.531 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003658.D
Acq: 29 Jun 2018 14:15

Tgt Ion: 56 Resp: 1403
Ion Ratio Lower Upper
56 100
69 152.8 26.3 39.5#
84 89.1 65.7 98.5

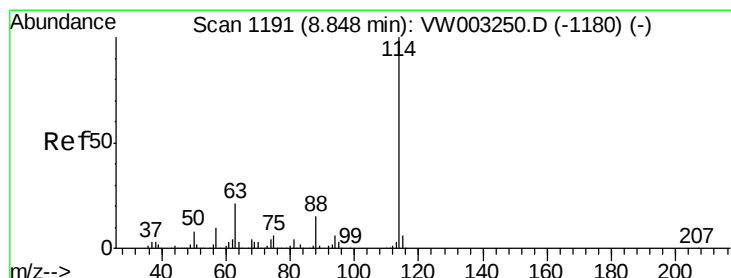
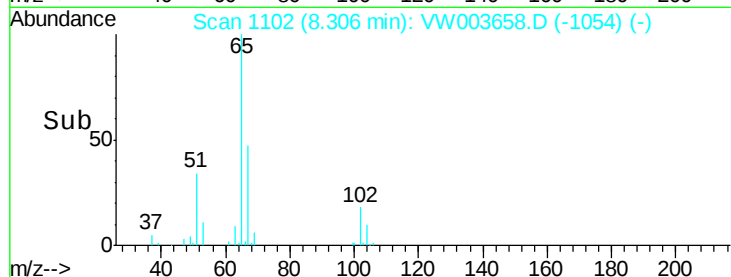
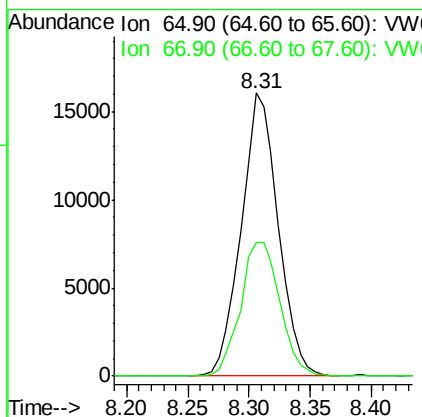
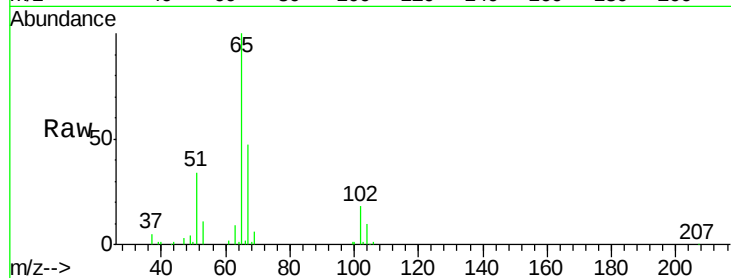




#33
 1,2-Dichloroethane-d4
 Concen: 59.405 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VW003658.D
 Acq: 29 Jun 2018 14:15

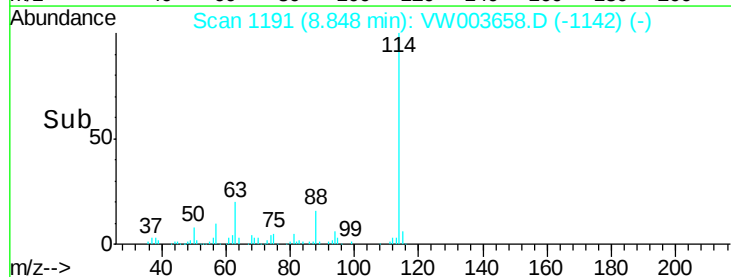
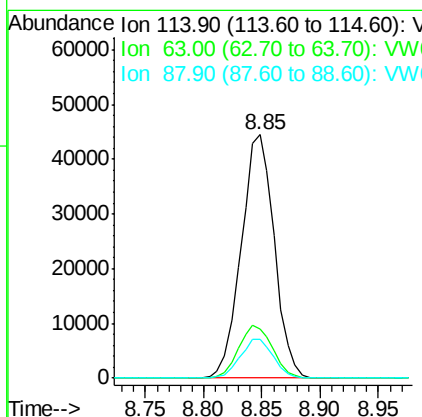
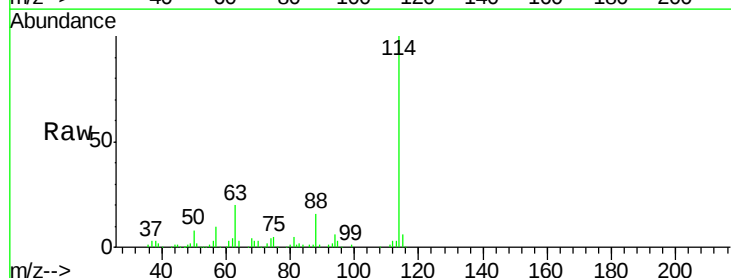
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 MSVOA_W
 ClientSampleId :

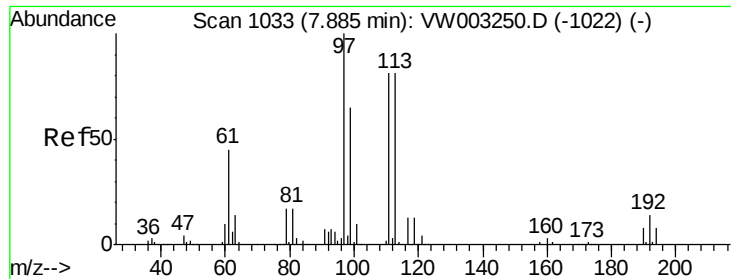
Tot Ion: 65 Resp: 33693
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003658.D
 Acq: 29 Jun 2018 14:15

Tgt Ion: 114 Resp: 88173
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 43.0
 88 16.2 0.0 29.6

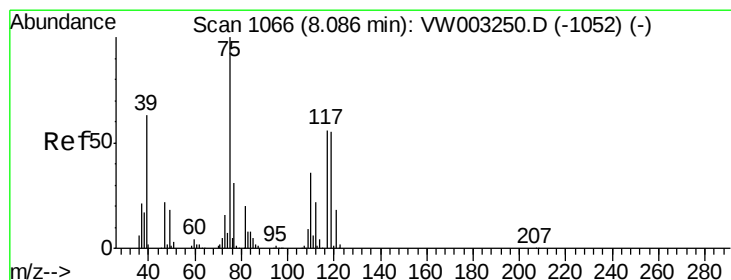
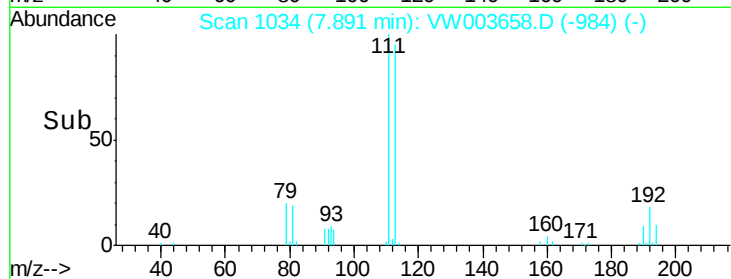
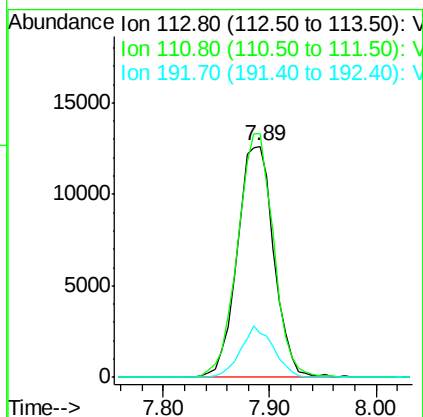
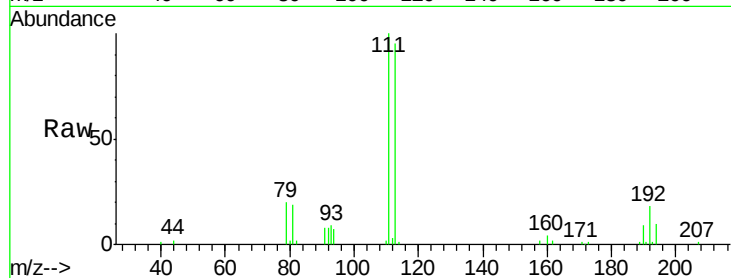




#35
 Dibromofluoromethane
 Concen: 55.623 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003658.D
 Acq: 29 Jun 2018 14:15

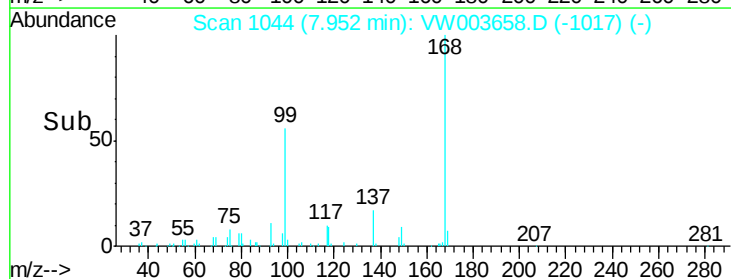
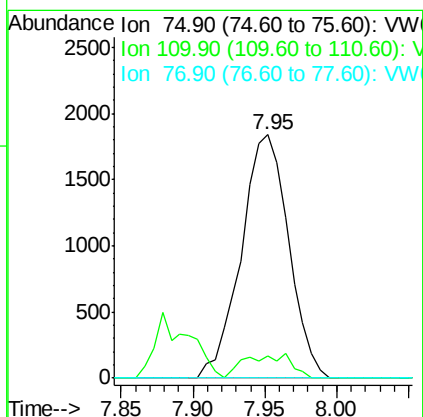
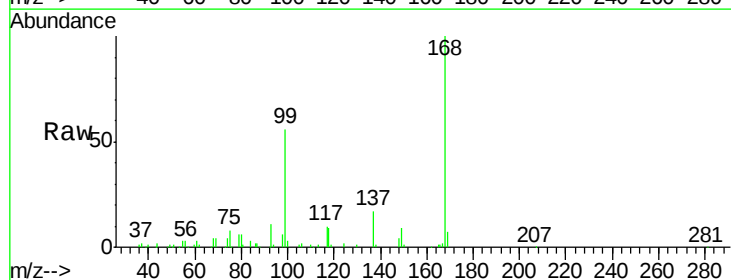
Instrument :
 MSVOA_W
 ClientSampleId :

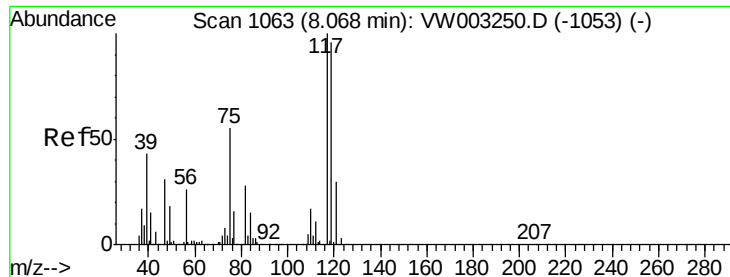
Tot Ion:113 Resp: 30475
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.2
 192 20.1 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.922 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003658.D
 Acq: 29 Jun 2018 14:15

Tgt Ion: 75 Resp: 4191
 Ion Ratio Lower Upper
 75 100
 110 4.3 17.1 51.3#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.429 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003658.D

Acq: 29 Jun 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

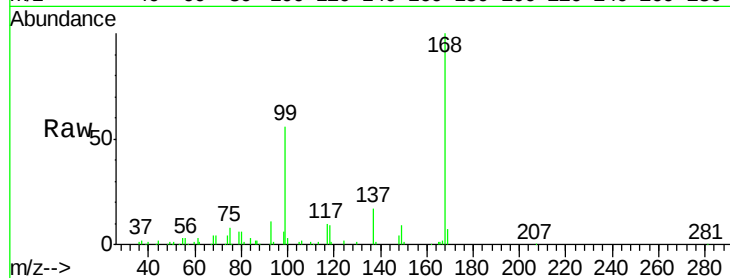
Tot Ion:117 Resp: 5370

Ion Ratio Lower Upper

117 100

119 12.0 76.6 115.0#

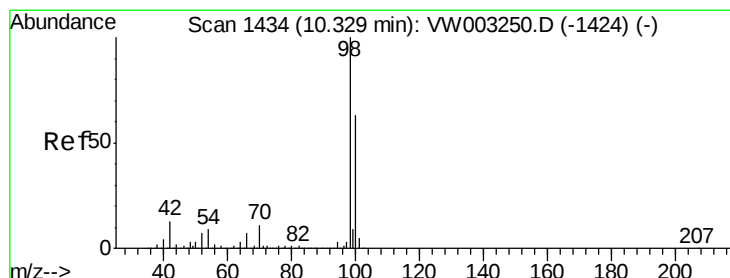
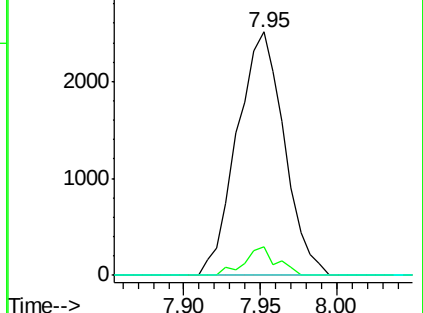
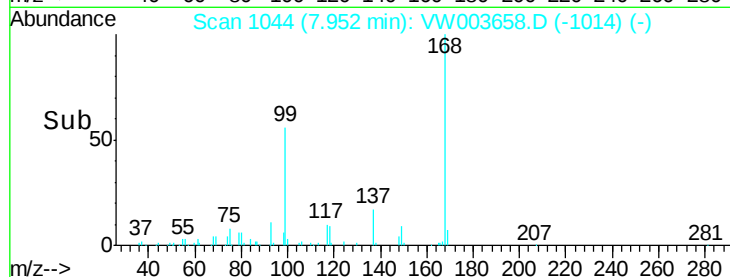
121 0.0 23.9 35.9#



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: 33.468 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003658.D

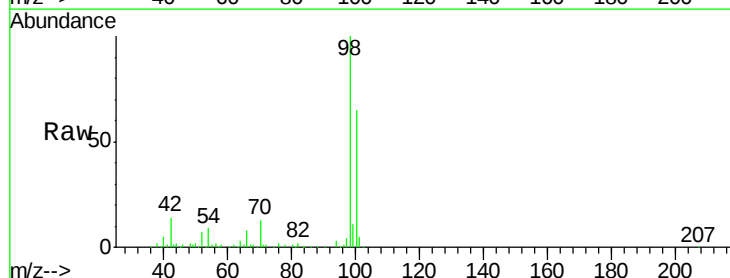
Acq: 29 Jun 2018 14:15

Tgt Ion: 98 Resp: 72707

Ion Ratio Lower Upper

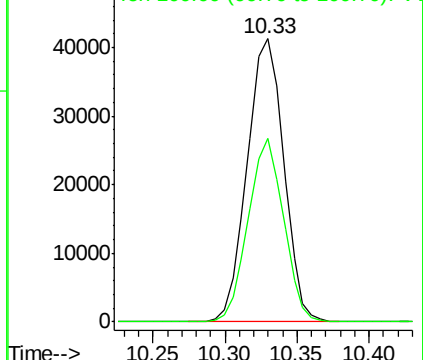
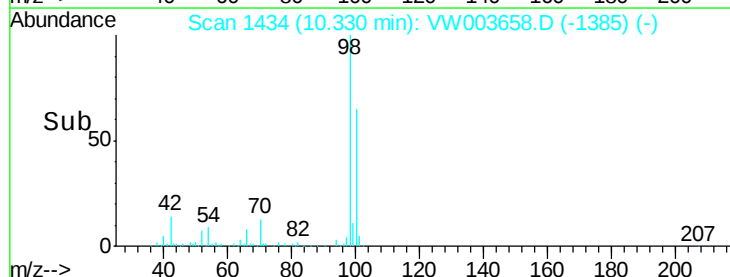
98 100

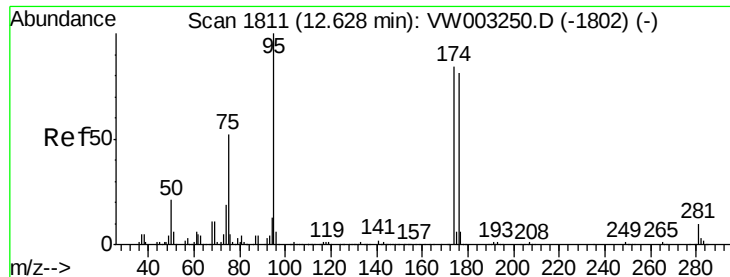
100 62.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

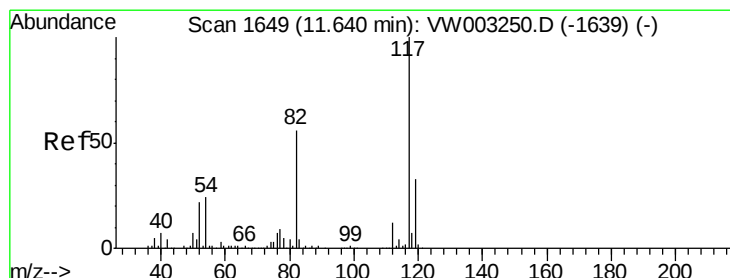
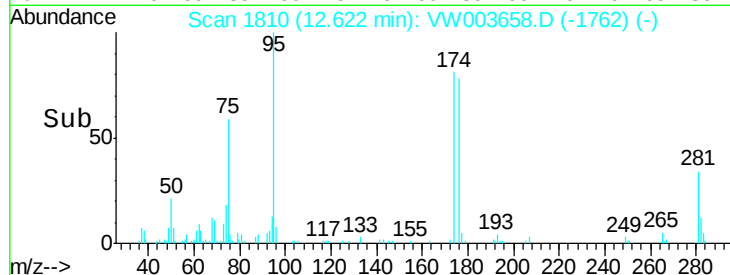
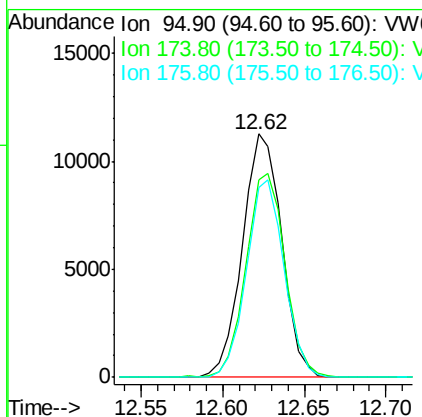
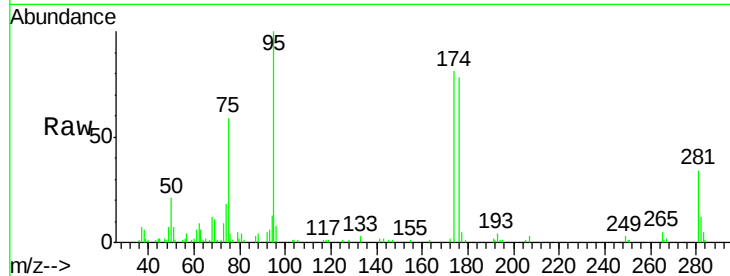




#62
4-Bromofluorobenzene
Concen: 24.540 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003658.D
Acq: 29 Jun 2018 14:15

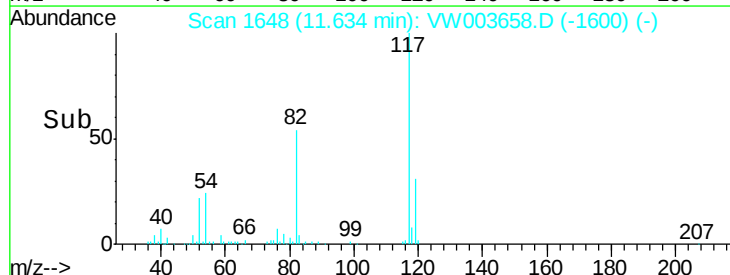
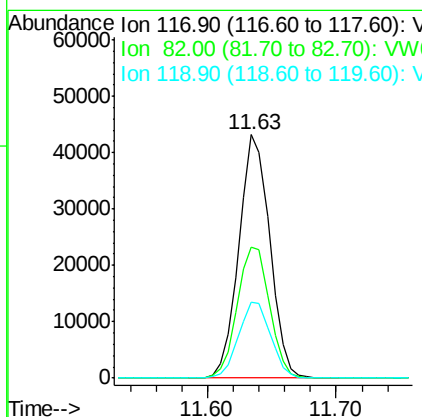
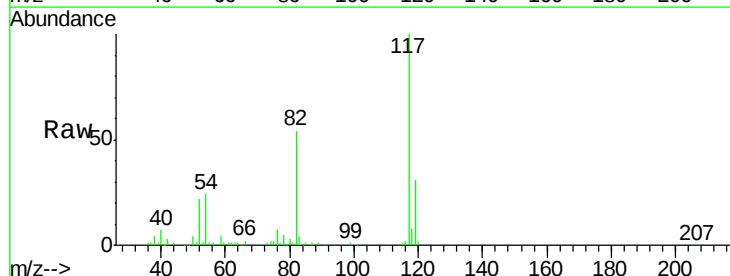
Instrument :
MSVOA_W
ClientSampleId :

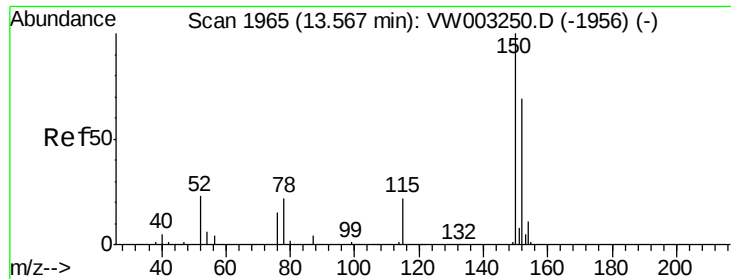
Tot Ion	95	Resp	18867
Ion Ratio	Lower	Upper	
95	100		
174	83.4	0.0	166.4
176	77.9	0.0	162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003658.D
Acq: 29 Jun 2018 14:15

Tgt Ion	117	Resp	71746
Ion Ratio	Lower	Upper	
117	100		
82	54.0	44.6	67.0
119	31.3	26.7	40.1



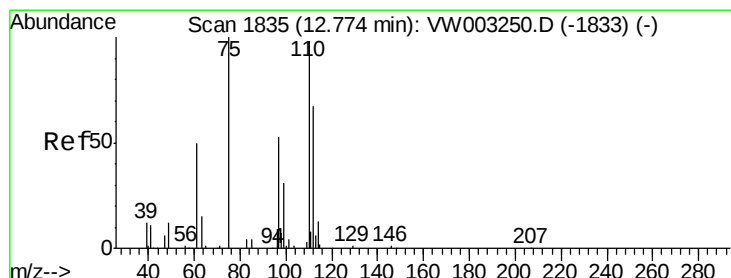
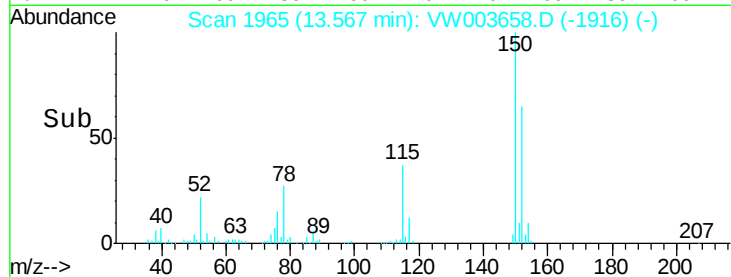
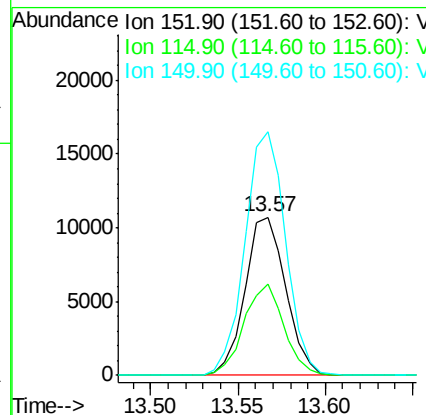
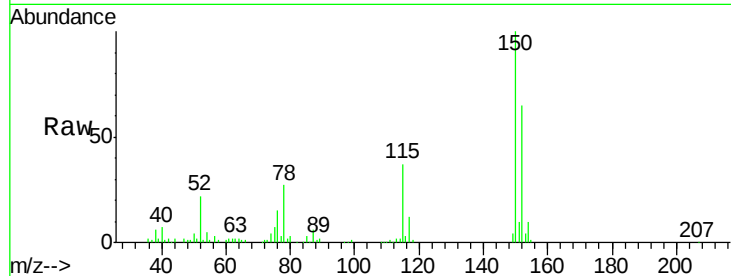


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003658.D
Acq: 29 Jun 2018 14:15

Instrument :
MSVOA_W
ClientSampleId :

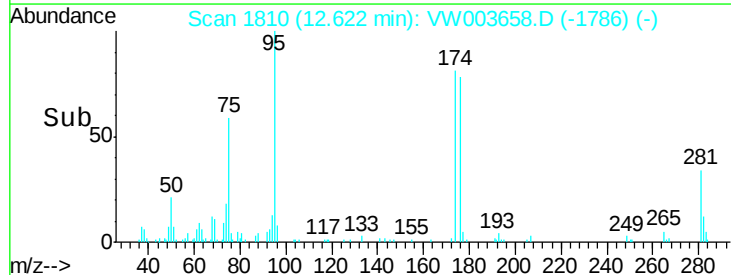
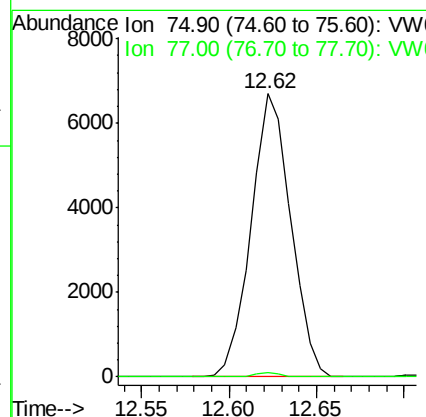
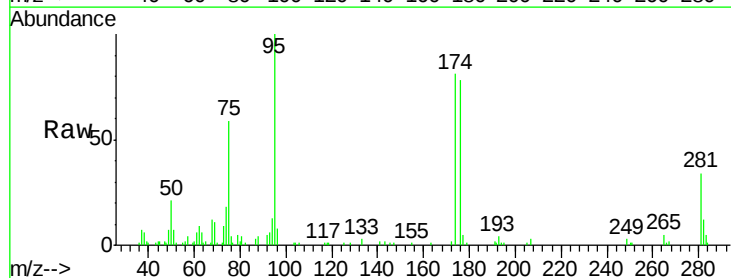
Tot Ion:152 Resp: 17424
Ion Ratio Lower Upper
152 100
115 56.8 29.3 88.0
150 153.7 0.0 349.6

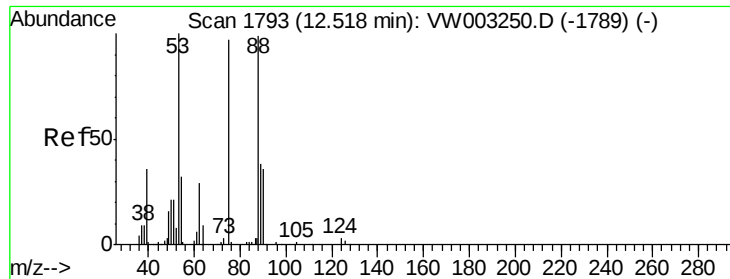


#76

1,2,3-Trichloropropane
Concen: 70.934 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003658.D
Acq: 29 Jun 2018 14:15

Tgt Ion: 75 Resp: 10566
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 163.223 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003658.D

Acq: 29 Jun 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

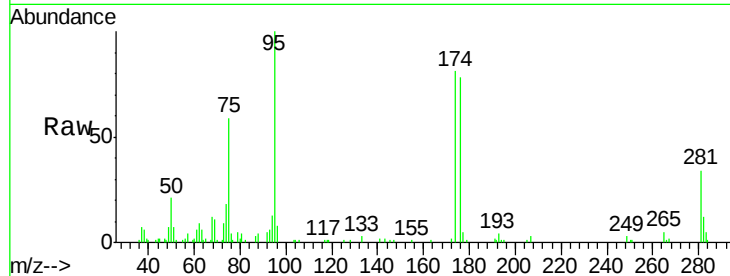
Tot Ion: 75 Resp: 10566

Ion Ratio Lower Upper

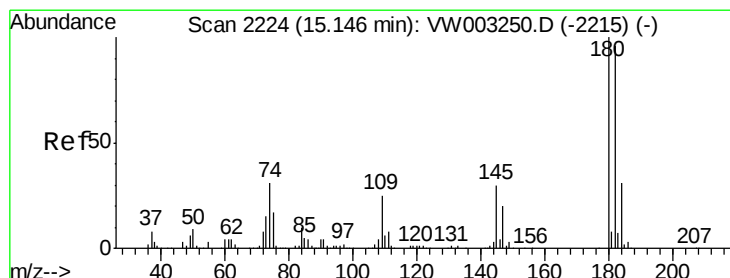
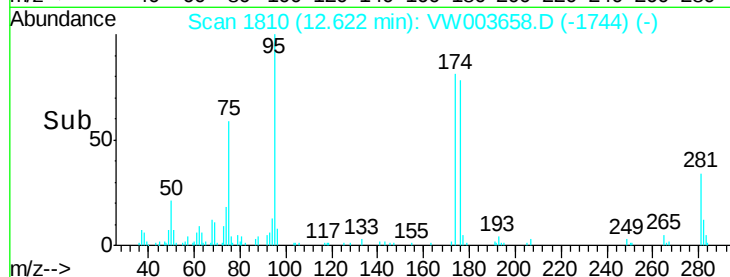
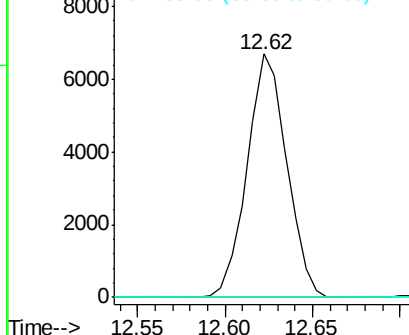
75 100

53 0.0 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



#93

1,2,4-Trichlorobenzene

Concen: 1.167 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VW003658.D

Acq: 29 Jun 2018 14:15

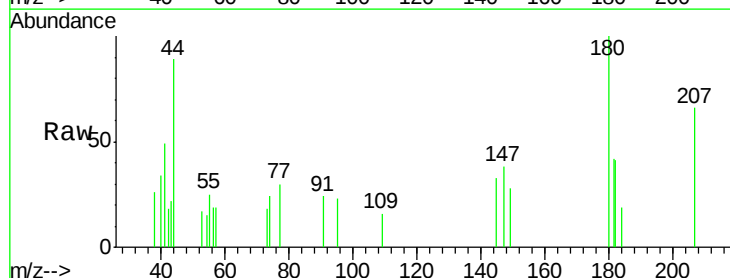
Tgt Ion: 180 Resp: 416

Ion Ratio Lower Upper

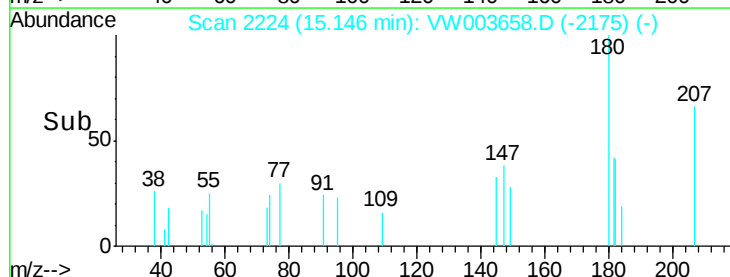
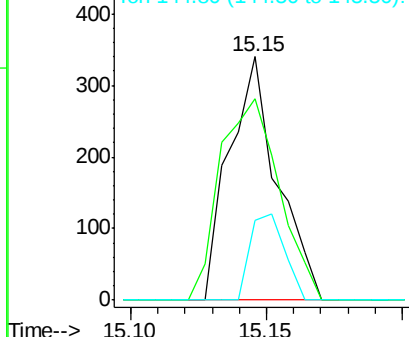
180 100

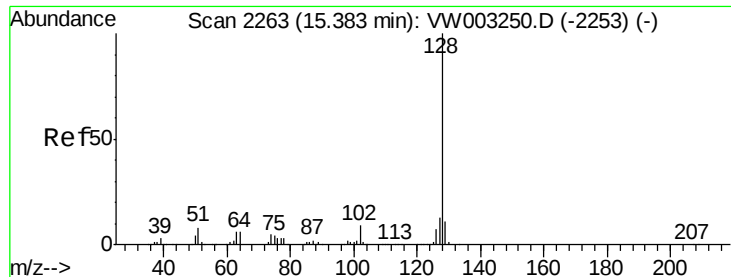
182 102.2 47.9 143.6

145 25.5 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.445 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003658.D

Acq: 29 Jun 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

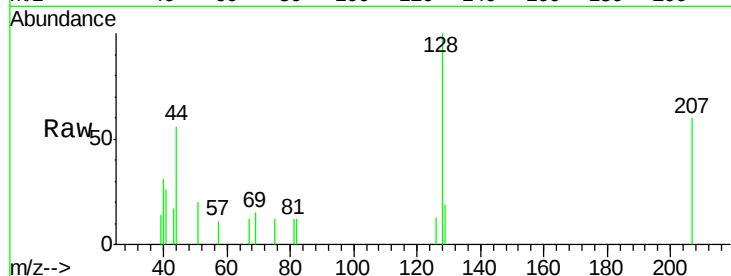
Tot Ion:128 Resp: 874

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

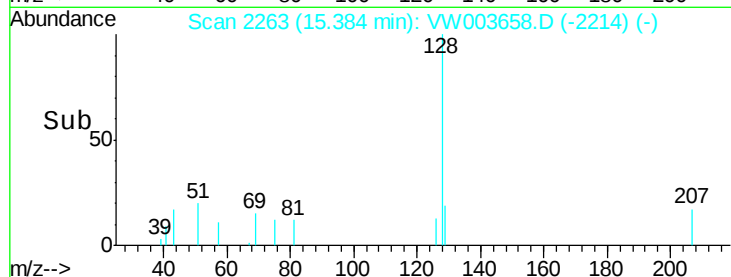
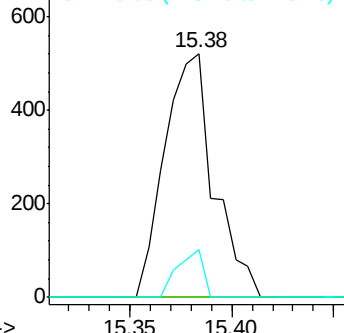
129 10.0 8.9 13.3



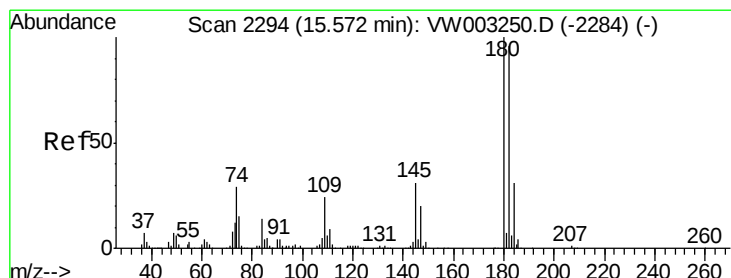
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 1.029 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VW003658.D

Acq: 29 Jun 2018 14:15

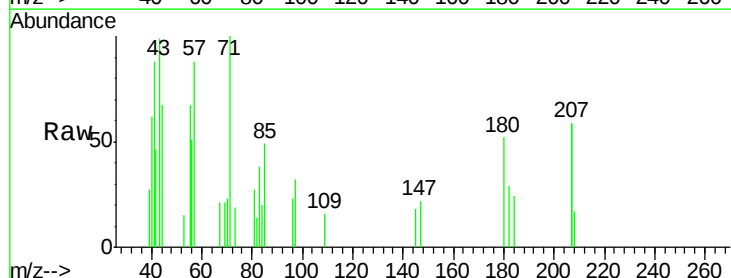
Tgt Ion:180 Resp: 323

Ion Ratio Lower Upper

180 100

182 115.5 47.9 143.6

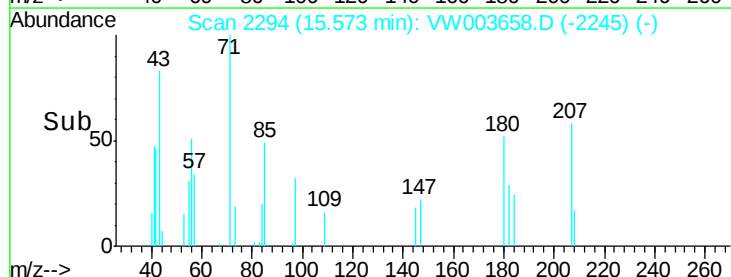
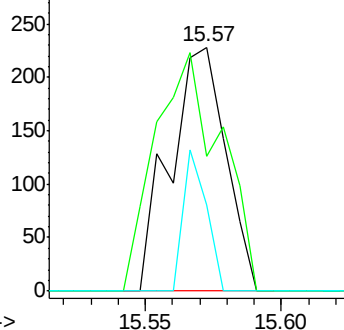
145 24.1 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->