

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
 Data File : VW004257.D
 Acq On : 27 Jul 2018 07:11
 Operator : SY/AP
 Sample : J4099-02RE
 Misc : 6.26G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 27 07:40:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	14485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	23052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	18250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	8192	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	9545	58.95	ug/l	0.00
Spiked Amount			Recovery	=	117.90%	
35) Dibromofluoromethane	7.89	113	5498	37.17	ug/l	0.00
Spiked Amount			Recovery	=	74.34%	
50) Toluene-d8	10.33	98	23389	40.75	ug/l	0.00
Spiked Amount			Recovery	=	81.50%	
62) 4-Bromofluorobenzene	12.63	95	7030	33.97	ug/l	0.00
Spiked Amount			Recovery	=	67.94%	

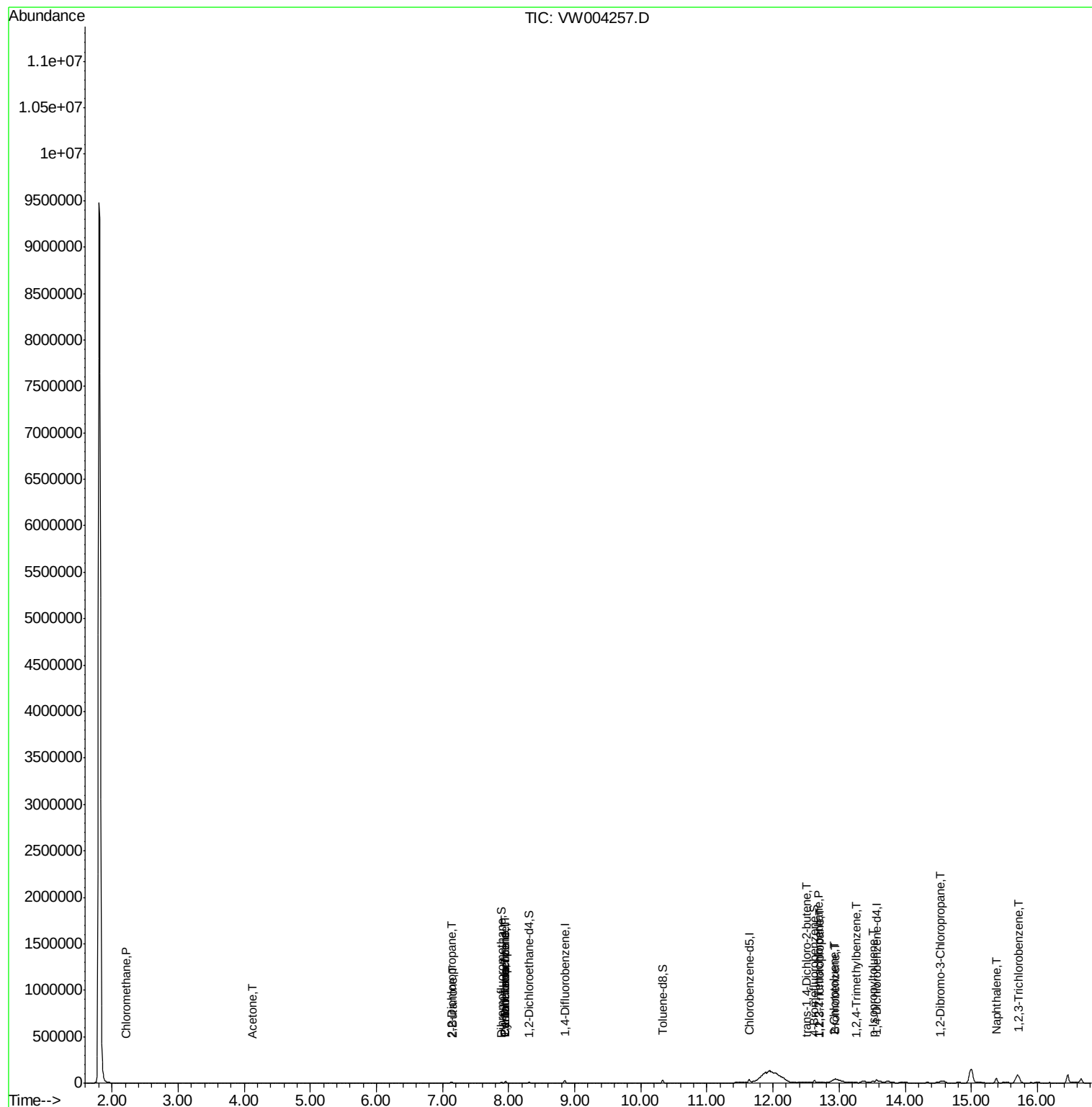
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	144	1.345	ug/l #	42
16) Acetone	4.12	43	370	9.510	ug/l #	88
20) Methylene Chloride	4.90	84	46	Below Cal	#	51
25) 2-Butanone	7.16	43	99	1.891	ug/l #	51
26) 2,2-Dichloropropane	7.13	77	677	4.116	ug/l #	52
31) Cyclohexane	7.95	56	276	1.028	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	1010	4.259	ug/l #	42
38) Carbon Tetrachloride	7.96	117	1444	6.516	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	12.68	83	443	3.957	ug/l #	29
76) 1,2,3-Trichloropropane	12.71	75	120	1.476	ug/l #	100
77) Bromobenzene	12.94	156	13498	97.449	ug/l #	1
79) 2-Chlorotoluene	12.91	91	412	1.029	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.51	75	162	4.406	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.26	105	704	1.405	ug/l	92
86) p-Isopropyltoluene	13.51	119	824	1.548	ug/l #	60
92) 1,2-Dibromo-3-Chloropropan	14.52	75	434	21.802	ug/l #	3
95) Naphthalene	15.38	128	38084	119.192	ug/l	98
96) 1,2,3-Trichlorobenzene	15.72	180	1410	9.200	ug/l #	17

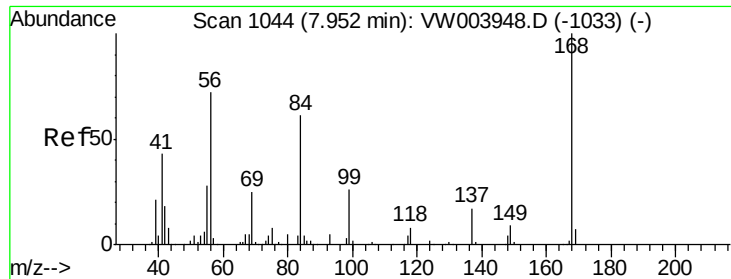
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004257.D

Acq: 27 Jul 2018 07:11

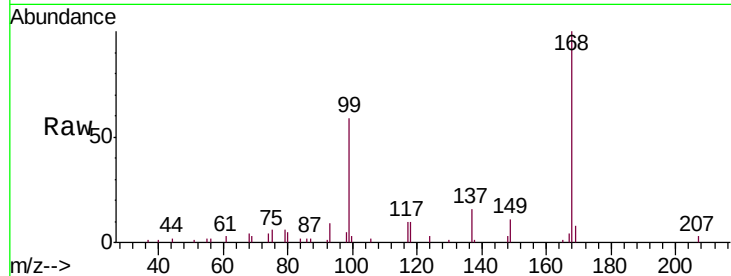
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 14485

Ion Ratio Lower Upper

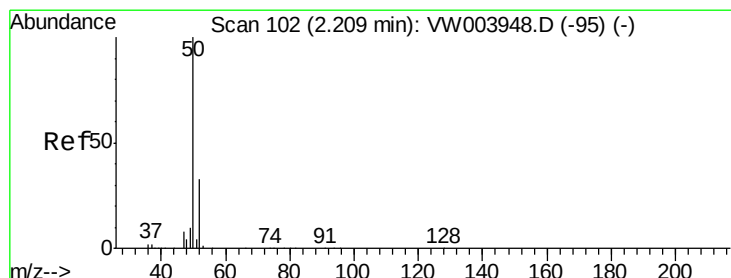
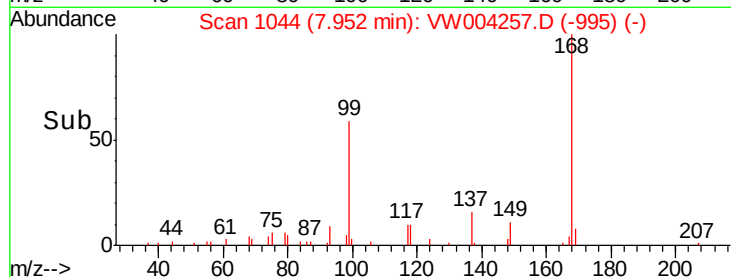
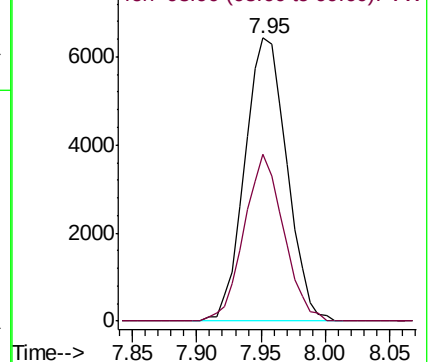
168 100

99 58.9 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.345 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004257.D

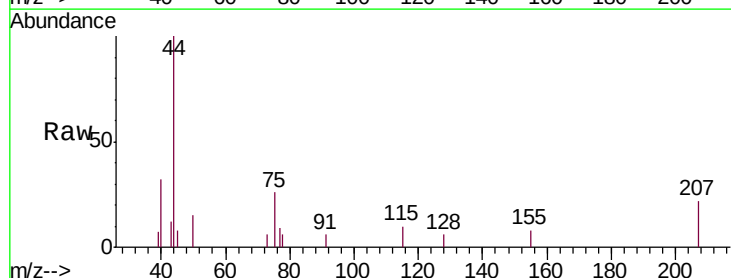
Acq: 27 Jul 2018 07:11

Tgt Ion: 50 Resp: 144

Ion Ratio Lower Upper

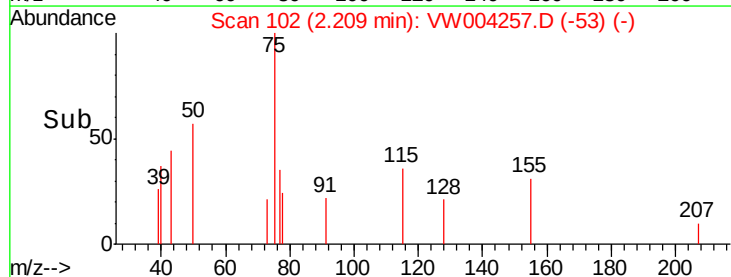
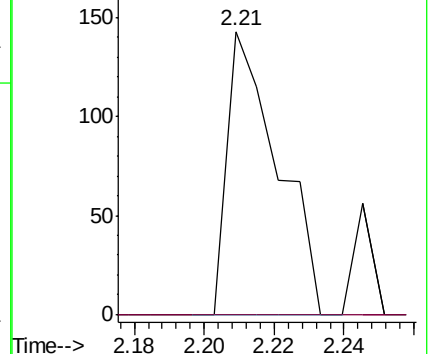
50 100

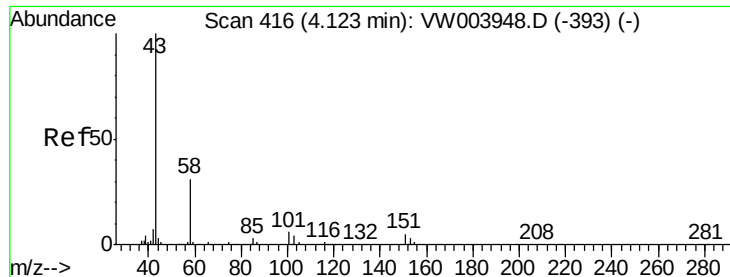
52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

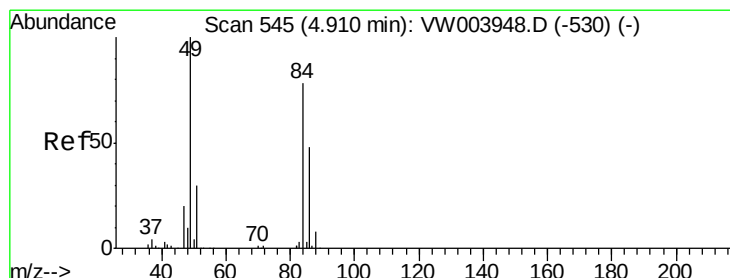
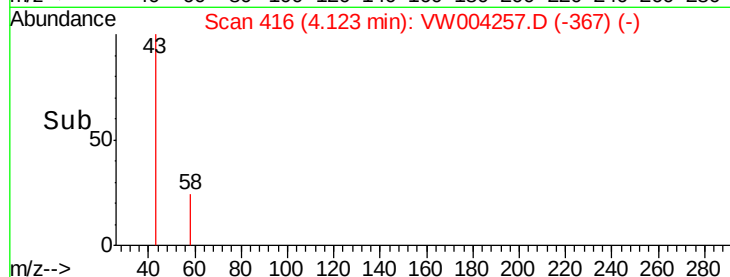
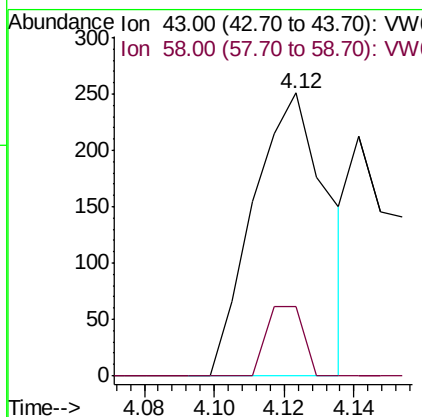
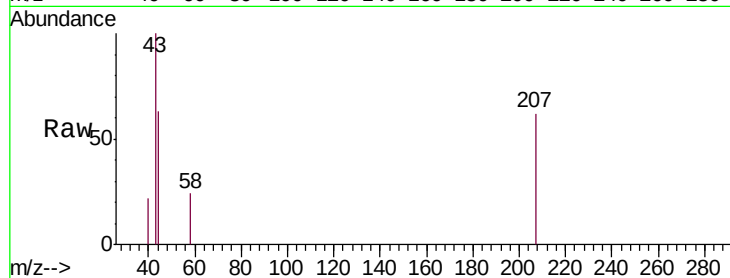




#16
Acetone
Concen: 9.510 ug/l
RT: 4.12 min Scan# 416
Delta R.T. 0.00 min
Lab File: VW004257.D
Acq: 27 Jul 2018 07:11

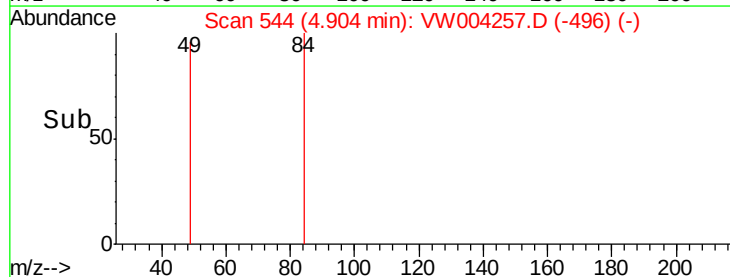
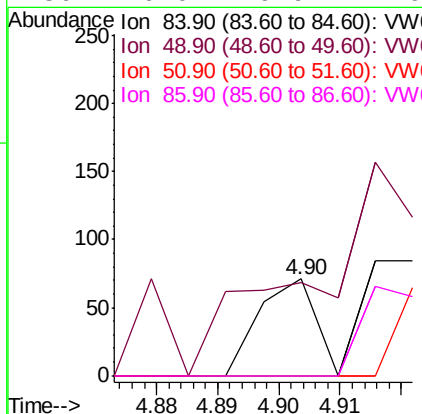
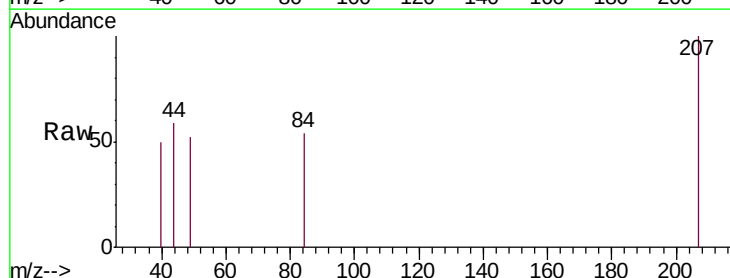
Instrument :
MSVOA_W
ClientSampled :

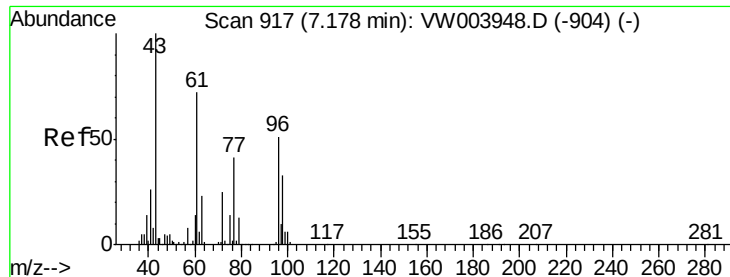
Tot Ion: 43 Resp: 370
Ion Ratio Lower Upper
43 100
58 24.3 24.5 36.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004257.D
Acq: 27 Jul 2018 07:11

Tgt Ion: 84 Resp: 46
Ion Ratio Lower Upper
84 100
49 95.8 102.9 154.3#
51 0.0 30.9 46.3#
86 0.0 49.9 74.9#

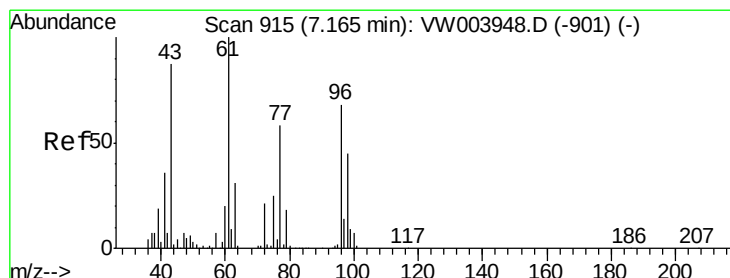
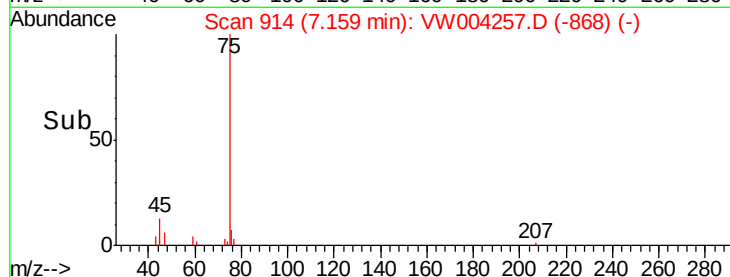
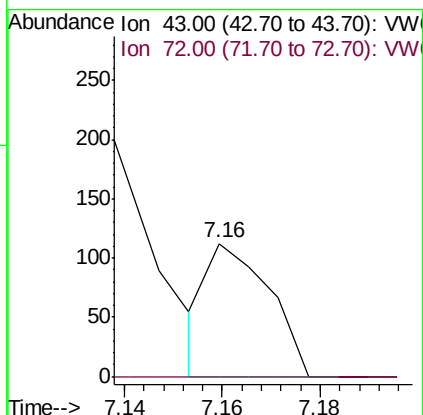
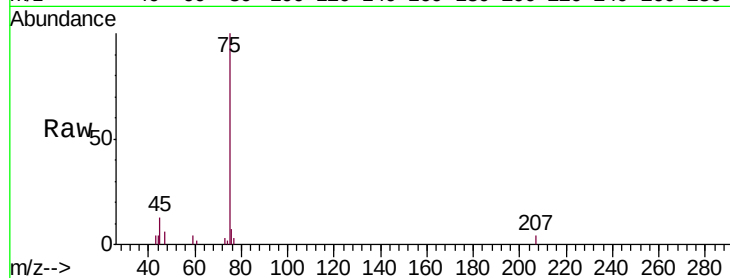




#25
 2-Butanone
 Concen: 1.891 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.02 min
 Lab File: VW004257.D
 Acq: 27 Jul 2018 07:11

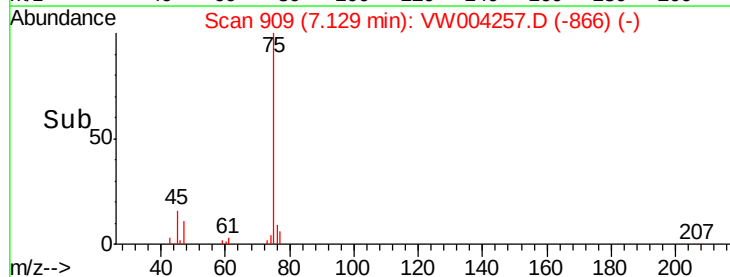
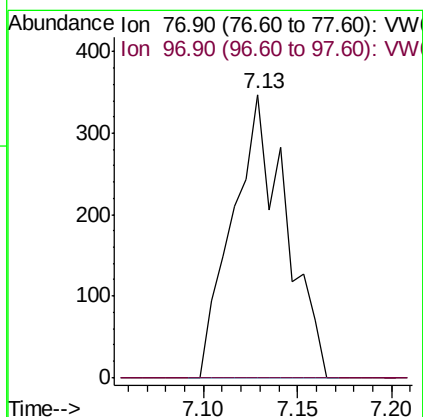
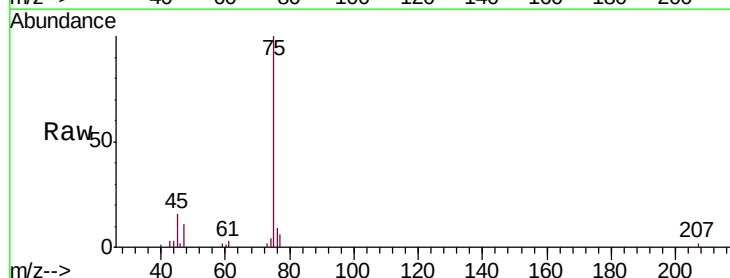
Instrument :
 MSVOA_W
 ClientSampled :

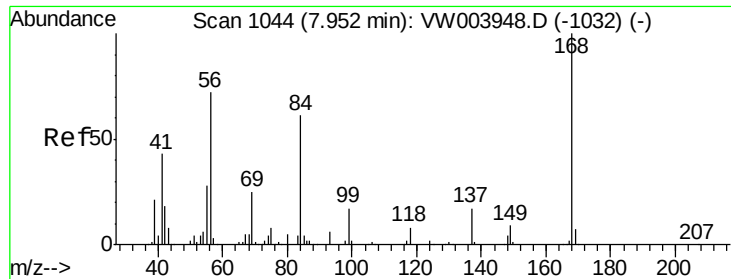
Tot Ion: 43 Resp: 99
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.8 29.6#



#26
 2,2-Dichloropropane
 Concen: 4.116 ug/l
 RT: 7.13 min Scan# 909
 Delta R.T. -0.04 min
 Lab File: VW004257.D
 Acq: 27 Jul 2018 07:11

Tgt Ion: 77 Resp: 677
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.3#





#31

Cyclohexane

Concen: 1.028 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004257.D

Acq: 27 Jul 2018 07:11

Instrument :

MSVOA_W

ClientSampleId :

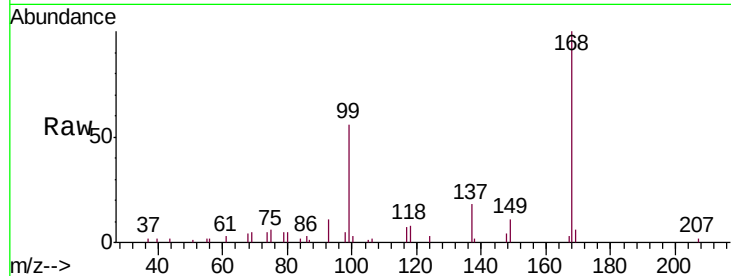
Tot Ion: 56 Resp: 276

Ion Ratio Lower Upper

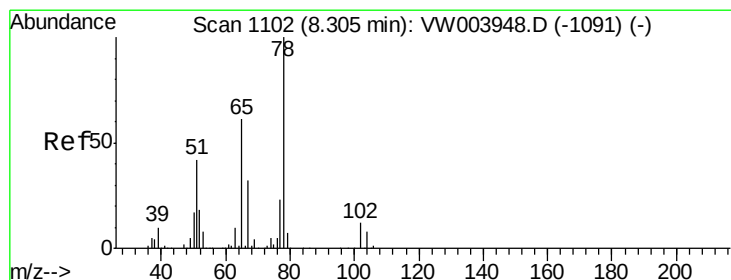
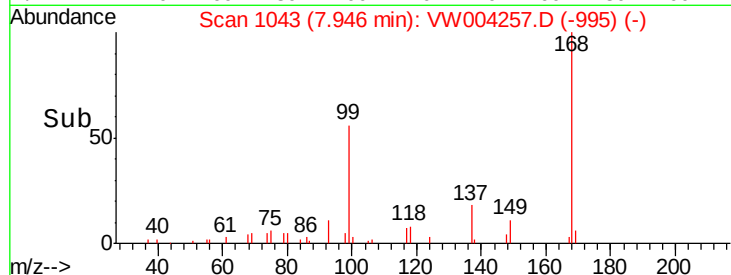
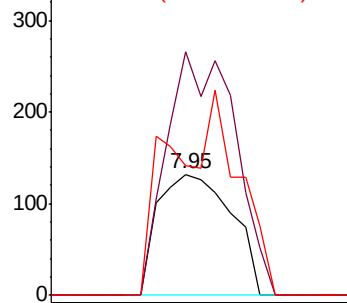
56 100

69 201.5 27.8 41.8#

84 106.8 67.2 100.8#



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: 58.951 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW004257.D

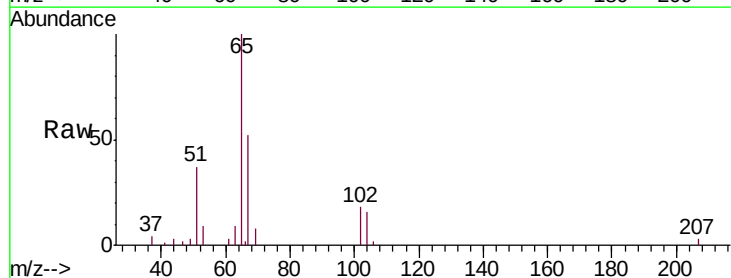
Acq: 27 Jul 2018 07:11

Tgt Ion: 65 Resp: 9545

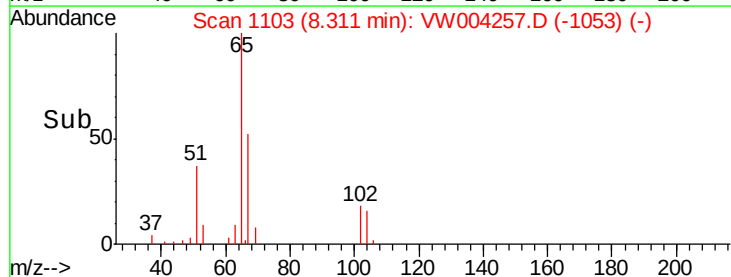
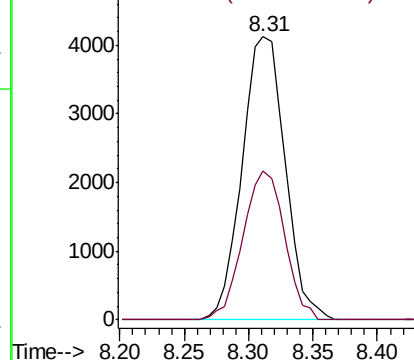
Ion Ratio Lower Upper

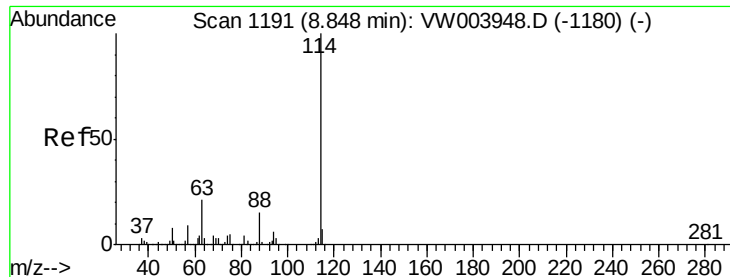
65 100

67 50.7 0.0 105.0



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

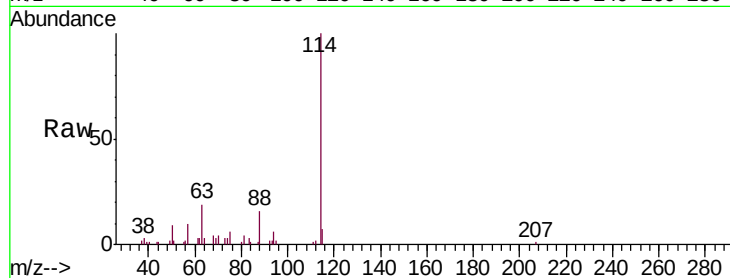




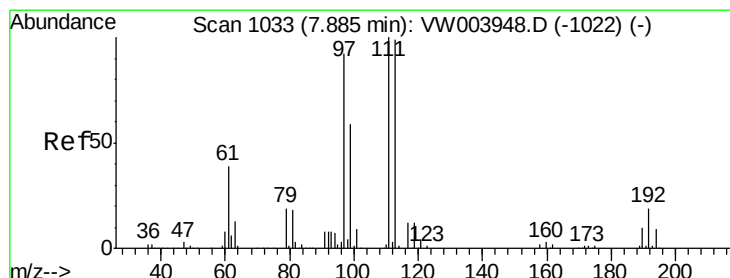
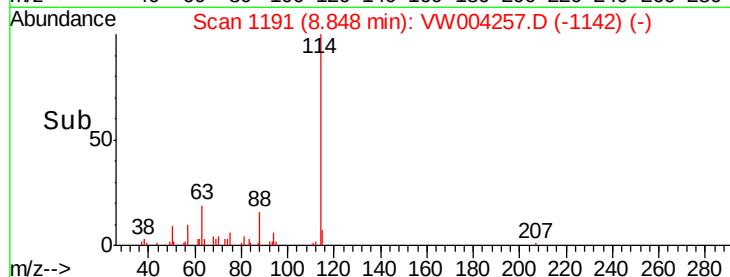
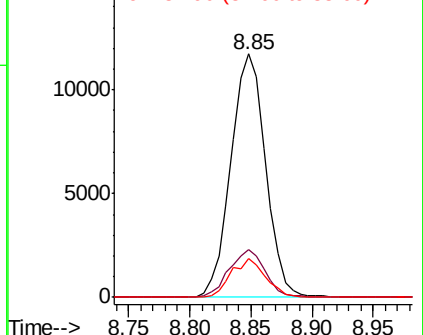
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004257.D
 Acq: 27 Jul 2018 07:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 23052
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.8
 88 16.2 0.0 30.4

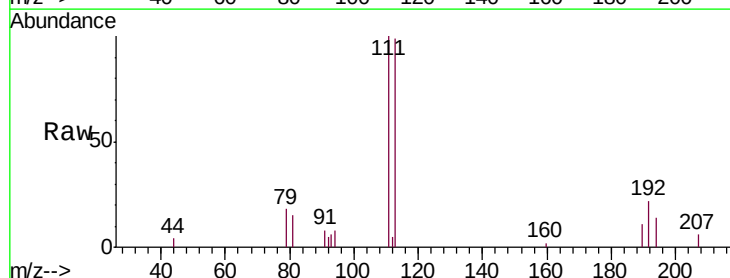


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

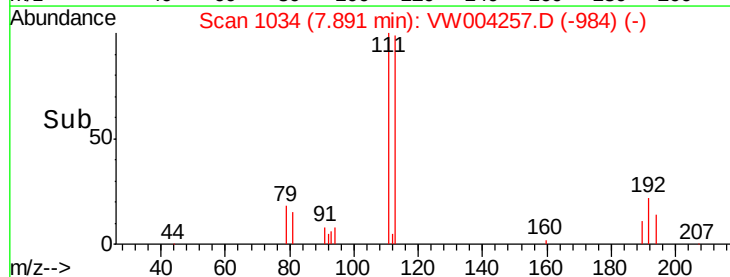
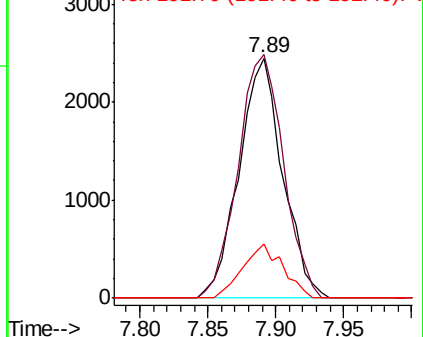


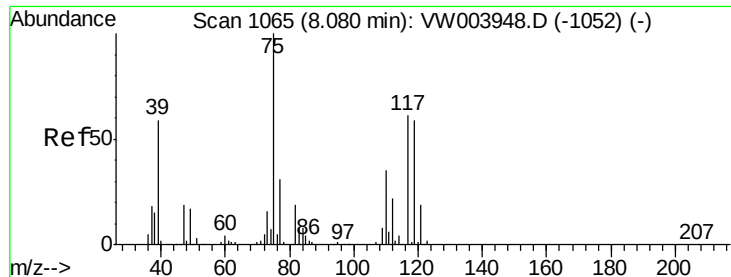
#35
 Dibromofluoromethane
 Concen: 37.172 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004257.D
 Acq: 27 Jul 2018 07:11

Tgt Ion:113 Resp: 5498
 Ion Ratio Lower Upper
 113 100
 111 105.4 81.3 121.9
 192 20.6 15.8 23.6



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

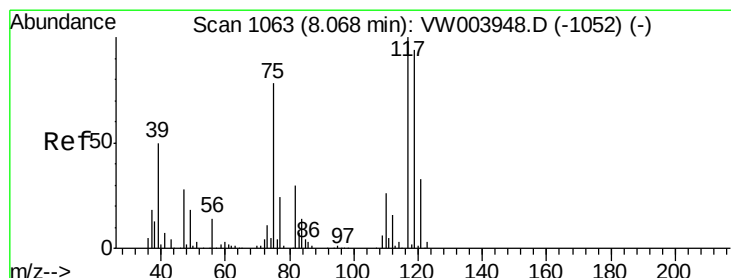
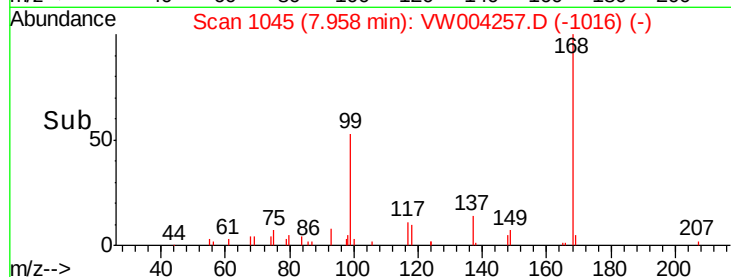
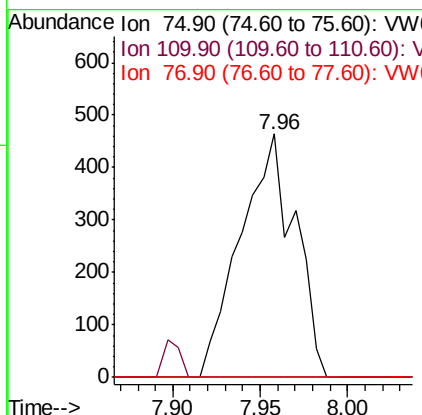
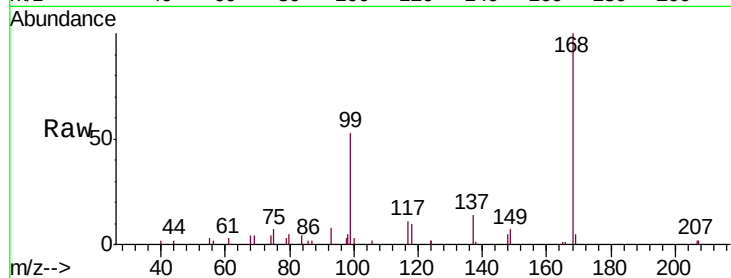




#36
 1,1-Dichloropropene
 Concen: 4.259 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.12 min
 Lab File: VW004257.D
 Acq: 27 Jul 2018 07:11

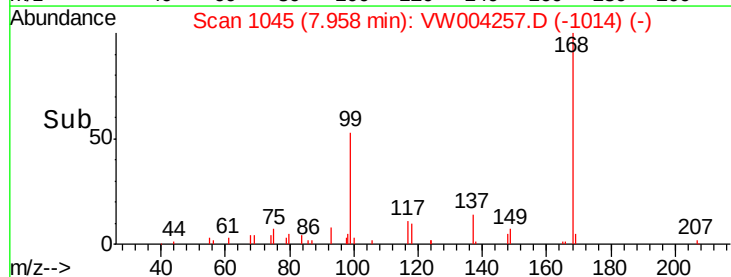
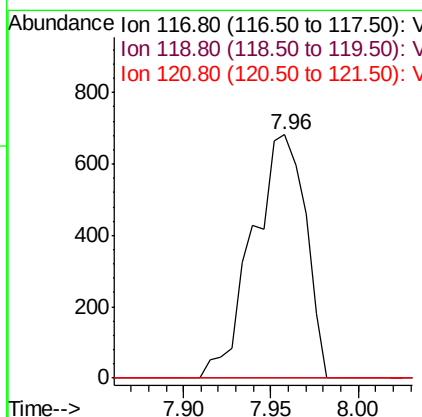
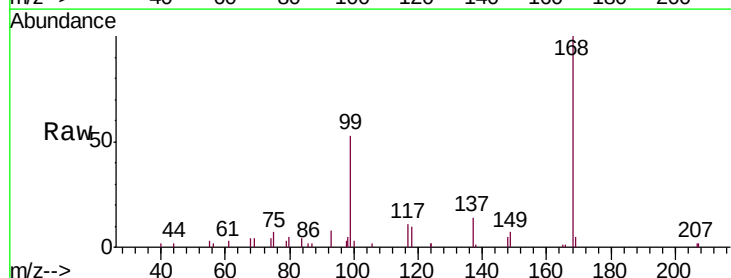
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 MSVOA_W
 ClientSampled :

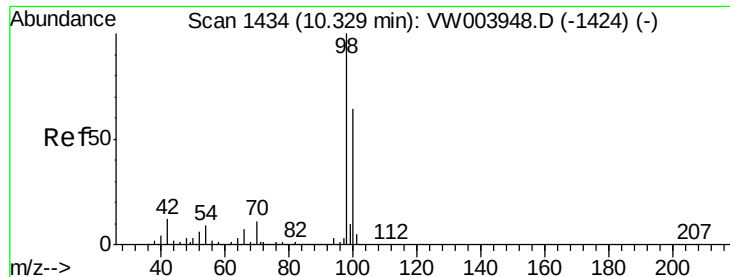
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.0	51.0#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.516 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.11 min
 Lab File: VW004257.D
 Acq: 27 Jul 2018 07:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.3	112.9#
121	0.0	26.0	39.0#





#50

Toluene-d8

Concen: 40.753 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004257.D

Acq: 27 Jul 2018 07:11

Instrument :

MSVOA_W

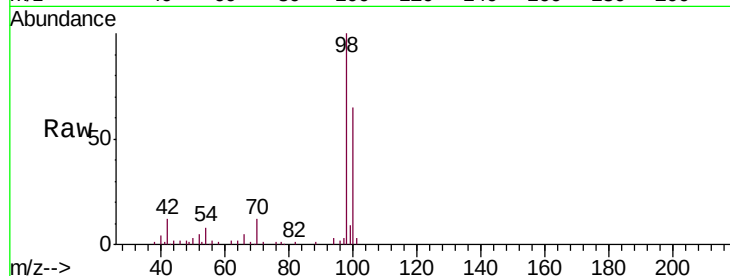
ClientSampled :

Tot Ion: 98 Resp: 23389

Ion Ratio Lower Upper

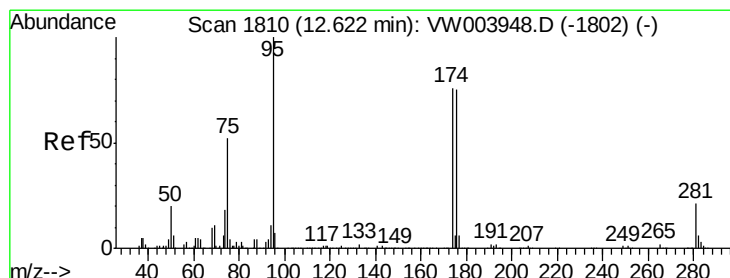
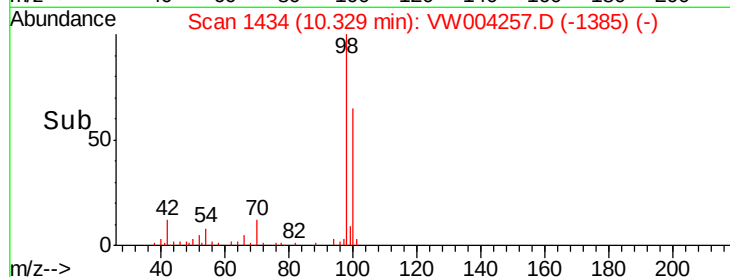
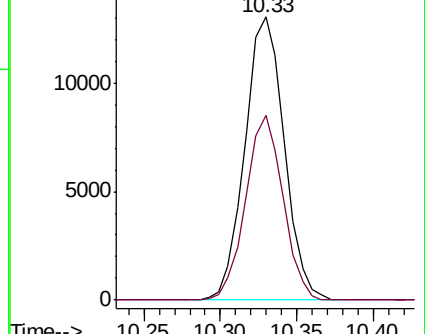
98 100

100 61.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 33.969 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004257.D

Acq: 27 Jul 2018 07:11

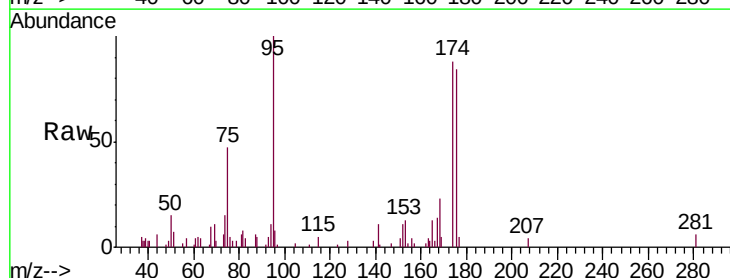
Tgt Ion: 95 Resp: 7030

Ion Ratio Lower Upper

95 100

174 83.0 0.0 160.2

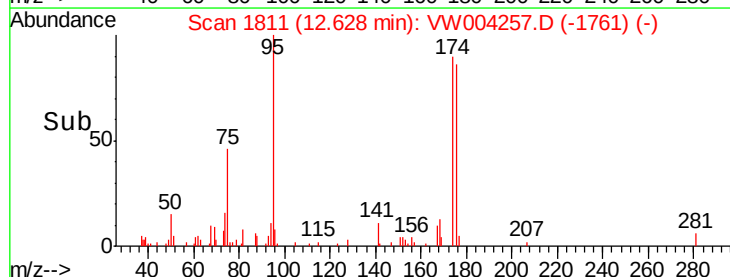
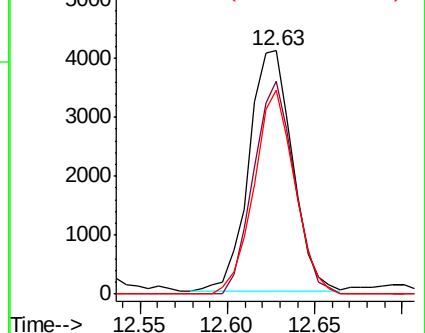
176 79.3 0.0 155.8

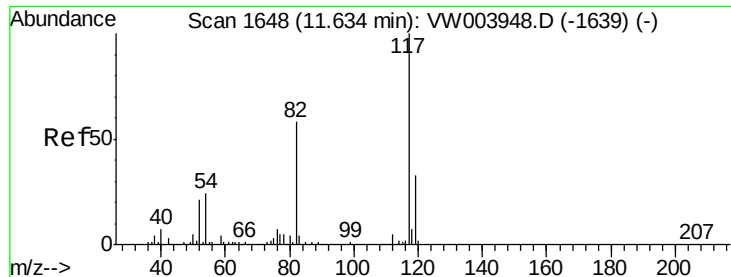


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

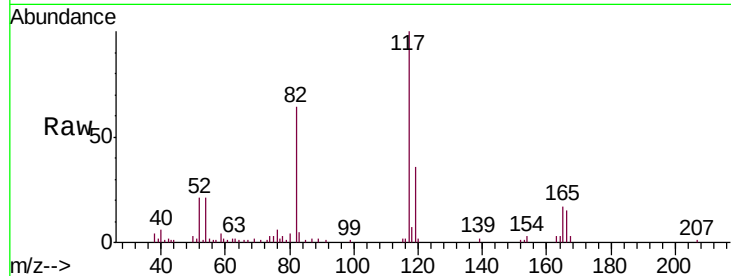




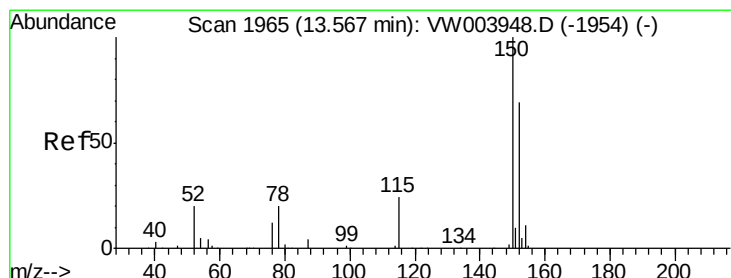
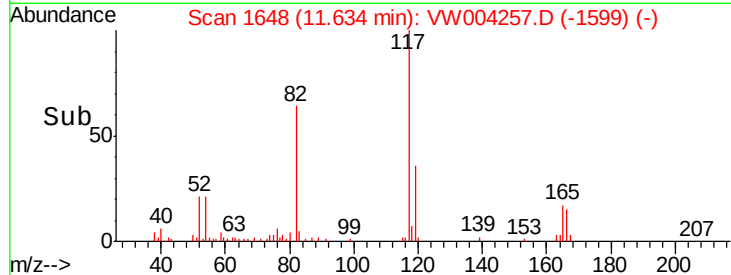
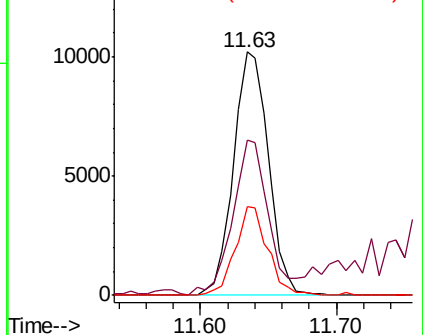
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004257.D
Acq: 27 Jul 2018 07:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 18250
Ion Ratio Lower Upper
117 100
82 62.1 46.5 69.7
119 36.3 26.2 39.2

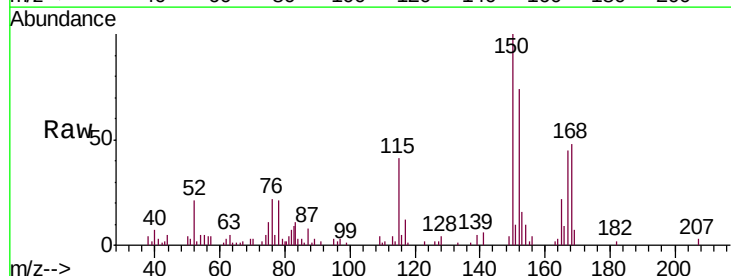


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

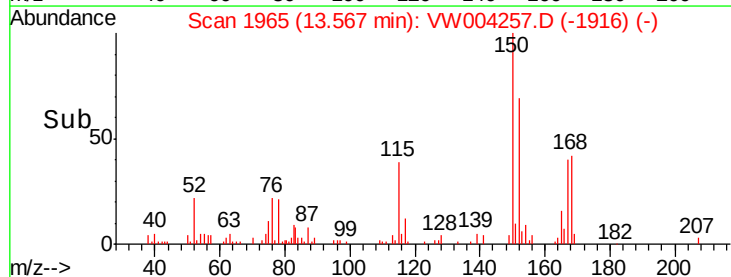
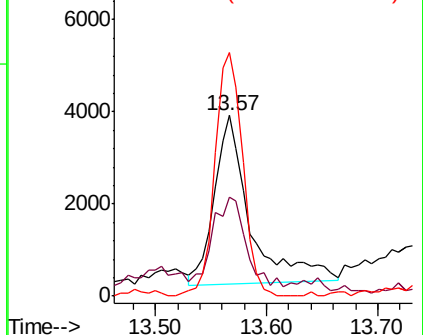


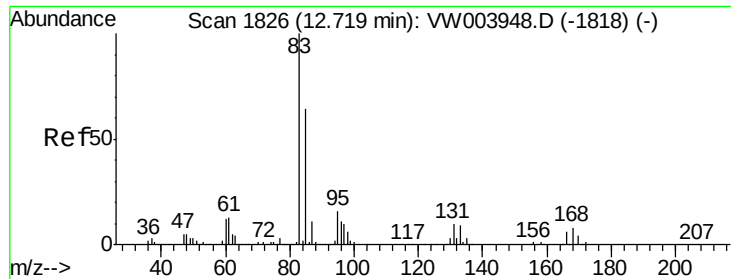
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004257.D
Acq: 27 Jul 2018 07:11

Tgt Ion:152 Resp: 8192
Ion Ratio Lower Upper
152 100
115 55.1 29.2 87.6
150 110.7 0.0 345.2



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





#75

1,1,2,2-Tetrachloroethane

Concen: 3.957 ug/l

RT: 12.68 min Scan# 1820

Delta R.T. -0.04 min

Lab File: VW004257.D

Acq: 27 Jul 2018 07:11

Instrument :

MSVOA_W

ClientSampleId :

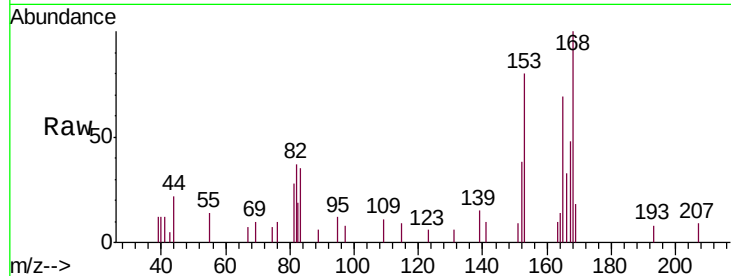
Tot Ion: 83 Resp: 443

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

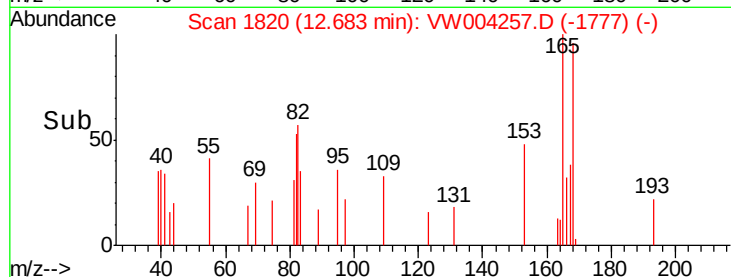
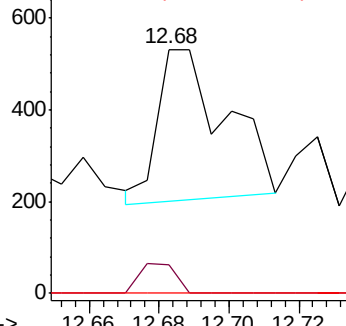
85 0.0 32.2 96.6#



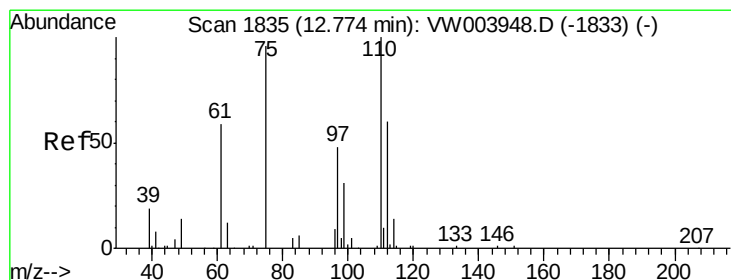
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



Time-->



#76

1,2,3-Trichloropropane

Concen: 1.476 ug/l

RT: 12.71 min Scan# 1825

Delta R.T. -0.06 min

Lab File: VW004257.D

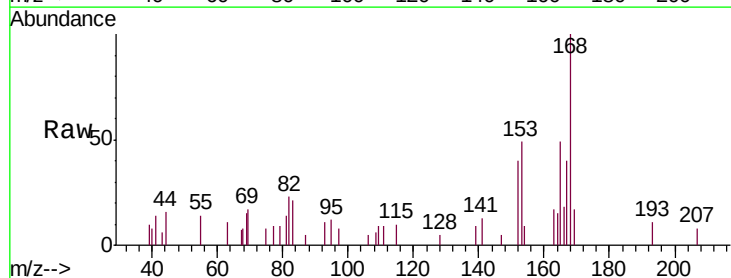
Acq: 27 Jul 2018 07:11

Tgt Ion: 75 Resp: 120

Ion Ratio Lower Upper

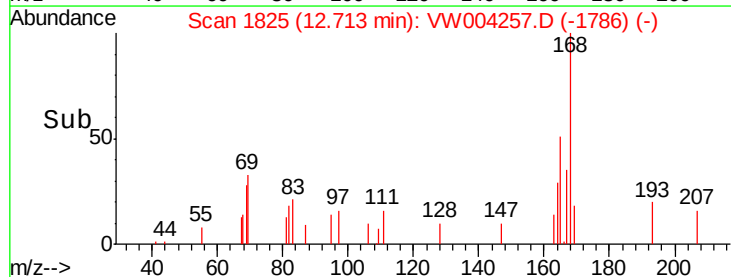
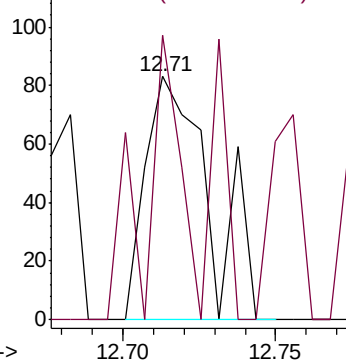
75 100

77 65.0 0.0 0.0#

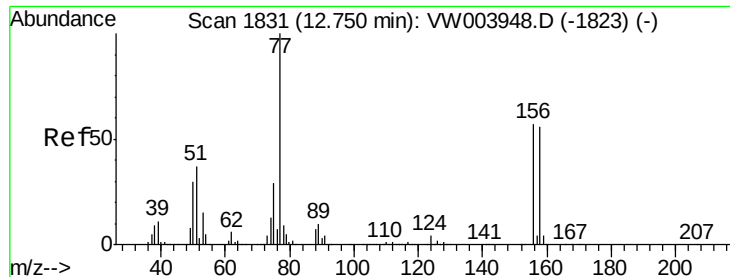


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->



#77

Bromobenzene

Concen: 97.449 ug/l

RT: 12.94 min Scan# 1863

Delta R.T. 0.20 min

Lab File: VW004257.D

Acq: 27 Jul 2018 07:11

Instrument :

MSVOA_W

ClientSampleId :

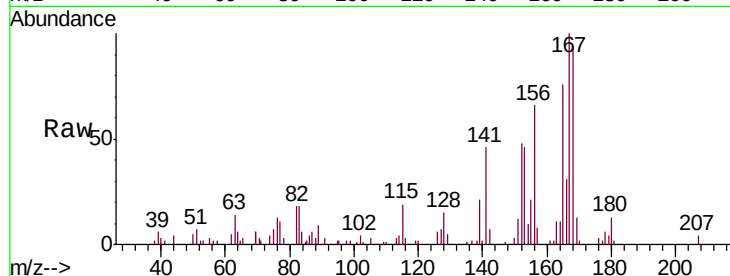
Tot Ion:156 Resp: 13498

Ion Ratio Lower Upper

156 100

77 3.5 96.2 288.6#

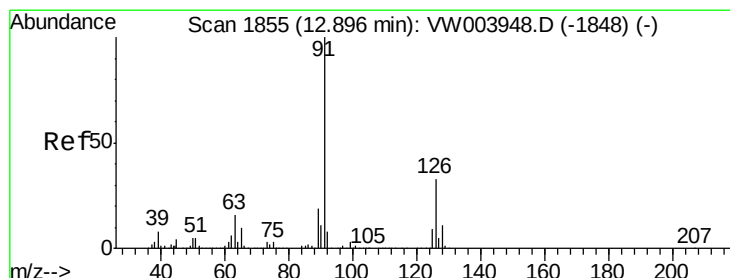
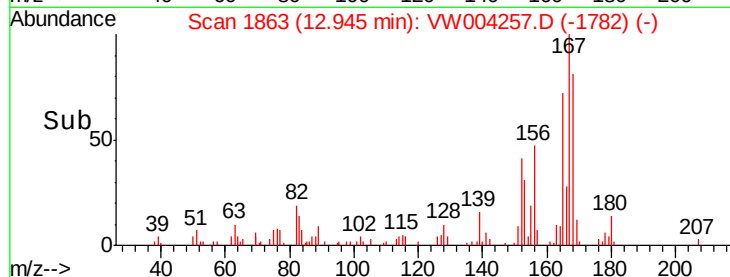
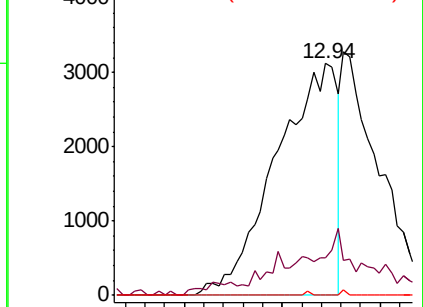
158 0.2 48.5 145.5#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: 1.029 ug/l

RT: 12.91 min Scan# 1858

Delta R.T. 0.02 min

Lab File: VW004257.D

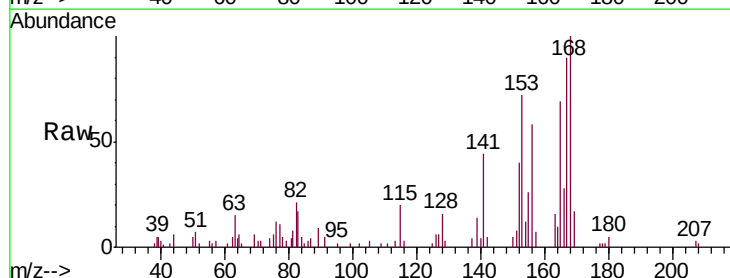
Acq: 27 Jul 2018 07:11

Tgt Ion: 91 Resp: 412

Ion Ratio Lower Upper

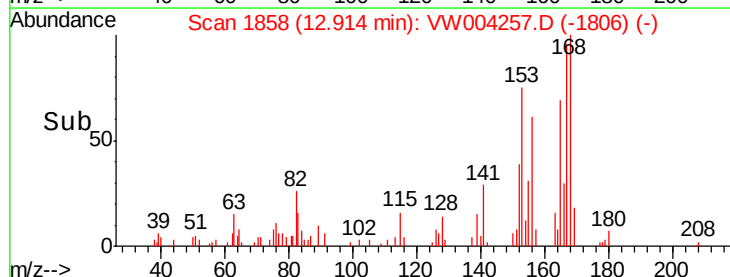
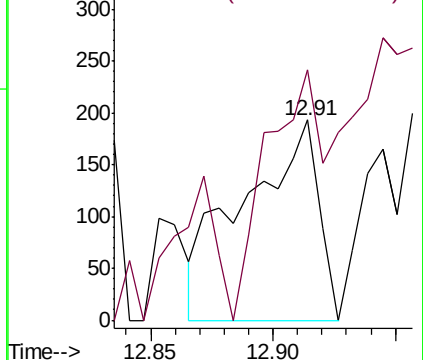
91 100

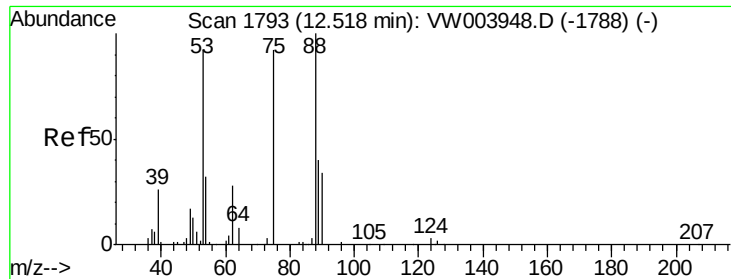
126 91.7 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.406 ug/l

RT: 12.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VW004257.D

Acq: 27 Jul 2018 07:11

Instrument :

MSVOA_W

ClientSampled :

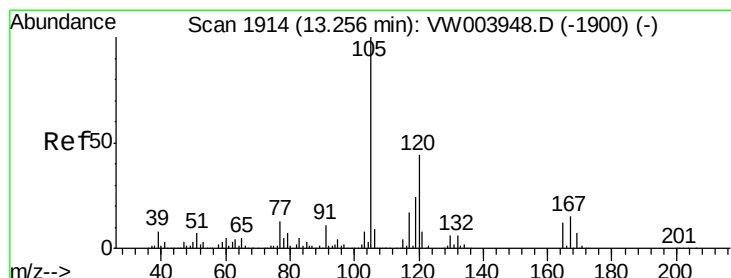
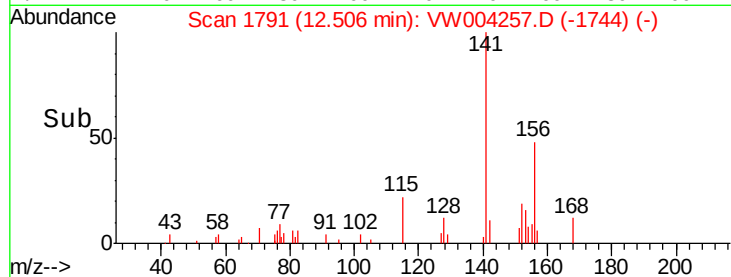
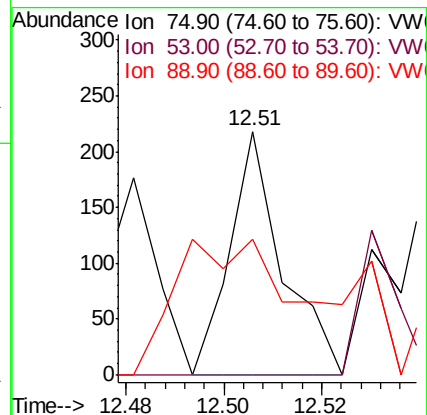
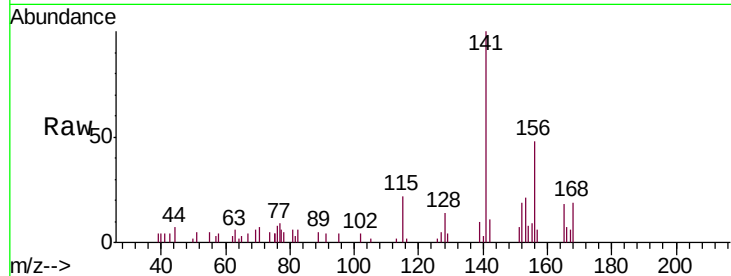
Tot Ion: 75 Resp: 162

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 155.6 36.6 54.8#



#84

1,2,4-Trimethylbenzene

Concen: 1.405 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. 0.01 min

Lab File: VW004257.D

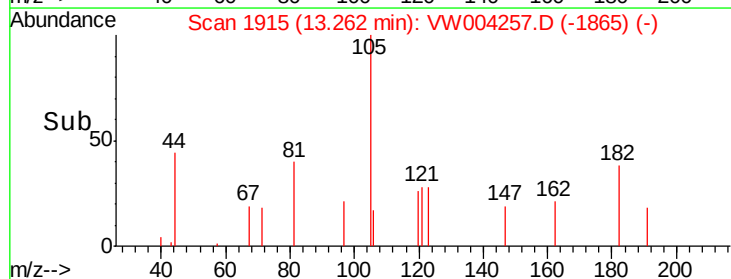
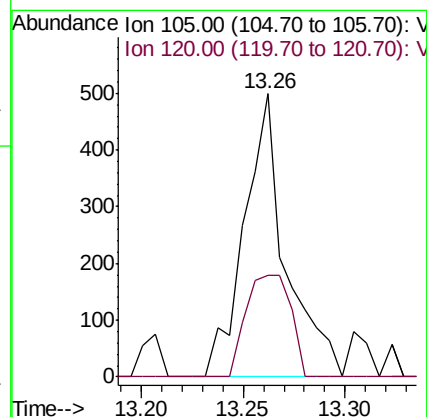
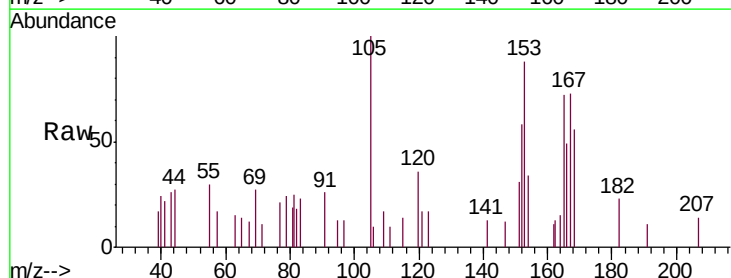
Acq: 27 Jul 2018 07:11

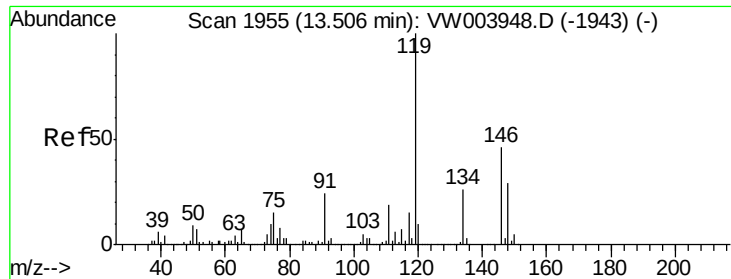
Tgt Ion: 105 Resp: 704

Ion Ratio Lower Upper

105 100

120 38.6 22.1 66.1

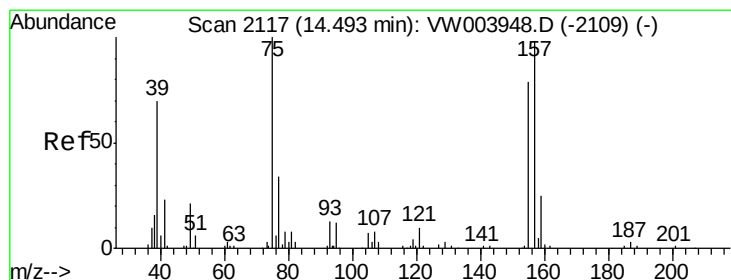
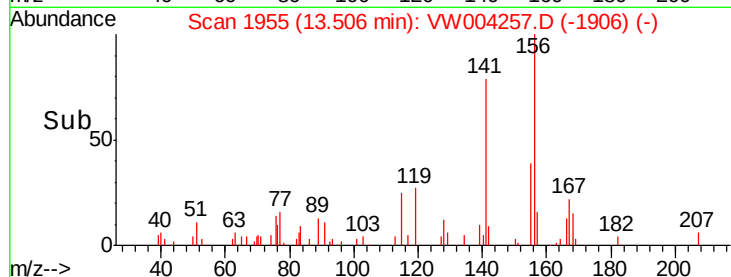
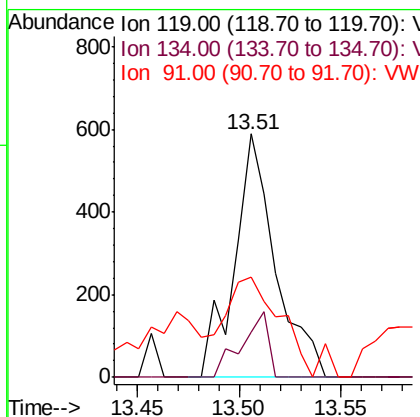
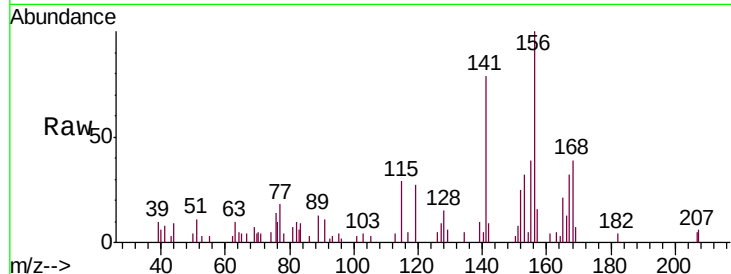




#86
 p-Isopropyltoluene
 Concen: 1.548 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004257.D
 Acq: 27 Jul 2018 07:11

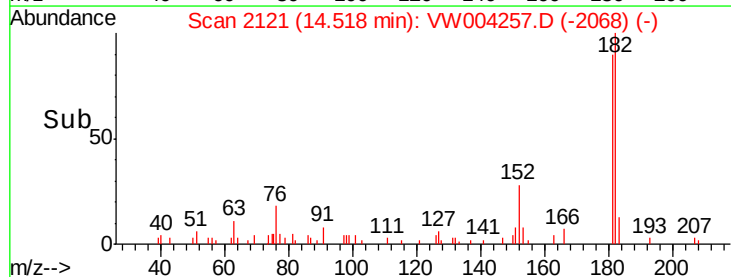
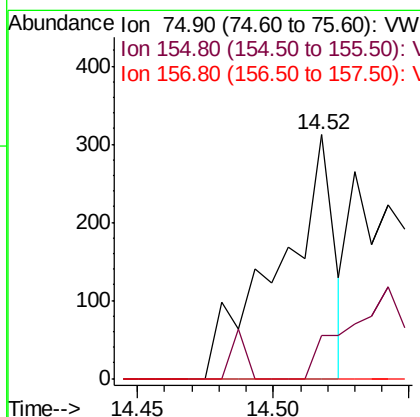
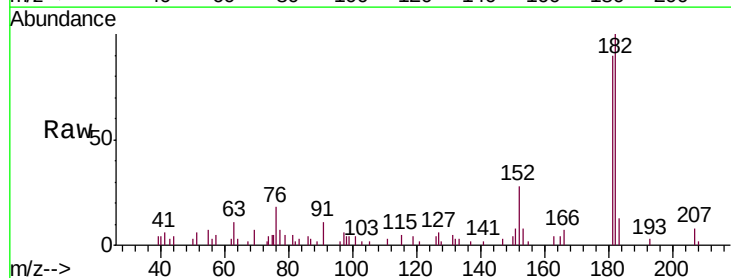
Instrument :
 MSVOA_W
 ClientSampleId :

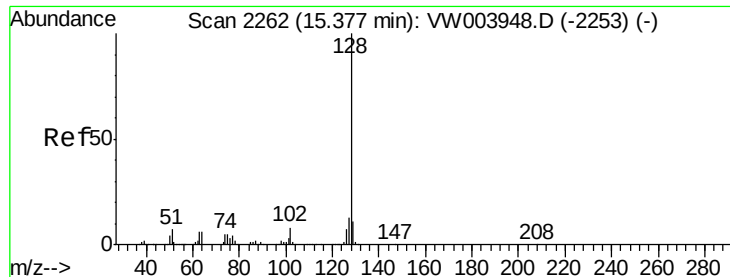
Tot Ion:119 Resp: 824
 Ion Ratio Lower Upper
 119 100
 134 17.6 13.0 38.9
 91 56.1 11.8 35.3#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.802 ug/l
 RT: 14.52 min Scan# 2121
 Delta R.T. 0.02 min
 Lab File: VW004257.D
 Acq: 27 Jul 2018 07:11

Tgt Ion: 75 Resp: 434
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.4 118.1#
 157 0.0 51.8 155.4#

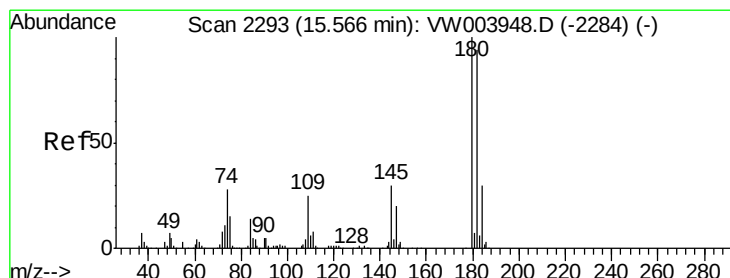
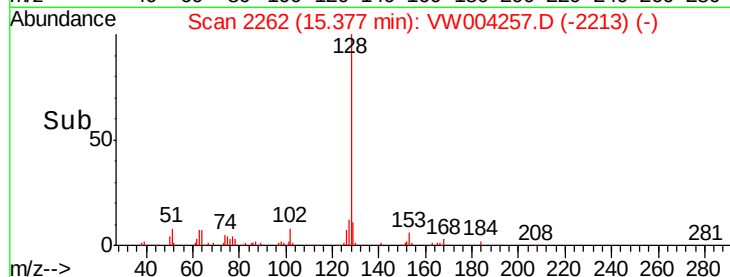
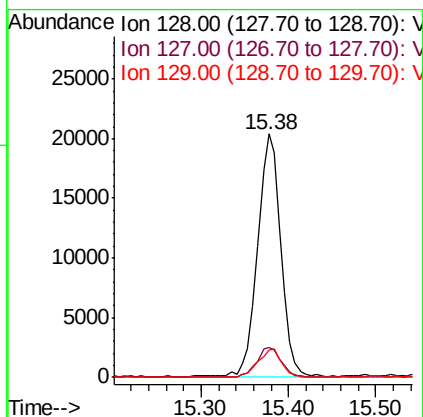
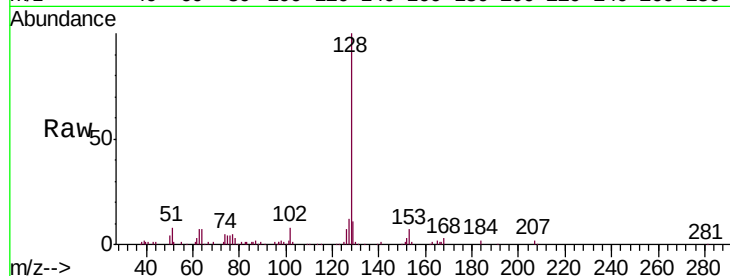




#95
Naphthalene
Concen: 119.192 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004257.D
Acq: 27 Jul 2018 07:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 38084
Ion Ratio Lower Upper
128 100
127 12.7 10.7 16.1
129 11.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 9.200 ug/l
RT: 15.72 min Scan# 2319
Delta R.T. 0.16 min
Lab File: VW004257.D
Acq: 27 Jul 2018 07:11

Tgt Ion:180 Resp: 1410
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.6#
145 10.7 15.8 47.4#

