

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006188.D
 Acq On : 18 Oct 2018 20:36
 Operator : VA/AP
 Sample : J5565-02RE
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-3RE

Quant Time: Oct 19 06:04:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	97872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	72821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	27292	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	25271	42.99	ug/l	0.00
Spiked Amount			Recovery	=	85.98%	
35) Dibromofluoromethane	7.89	113	25249	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	
50) Toluene-d8	10.33	98	90749	41.25	ug/l	0.00
Spiked Amount			Recovery	=	82.50%	
62) 4-Bromofluorobenzene	12.62	95	26130	31.62	ug/l	0.00
Spiked Amount			Recovery	=	63.24%	

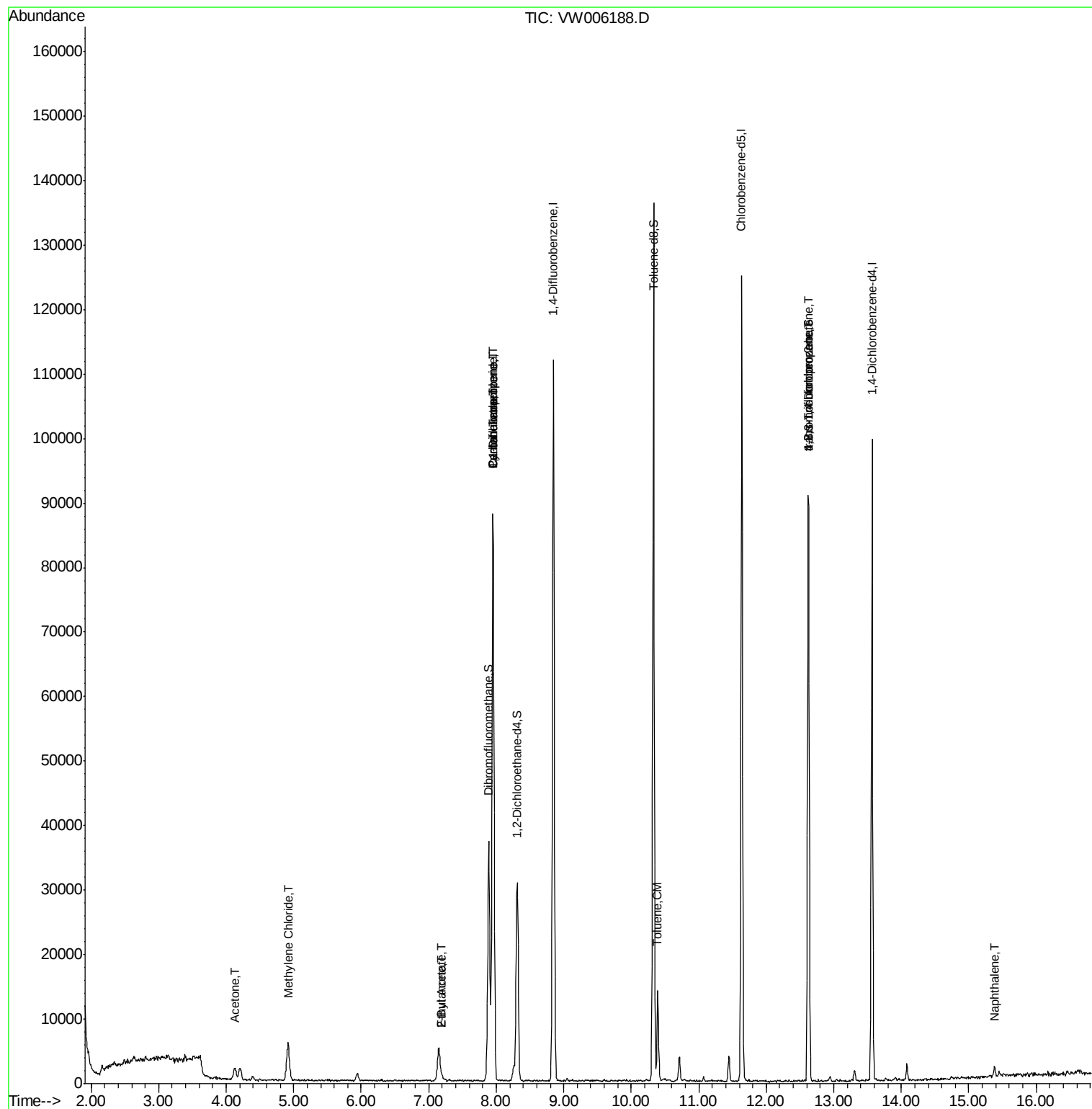
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	3336	16.414	ug/l	91
20) Methylene Chloride	4.92	84	4495	5.787	ug/l	92
25) 2-Butanone	7.19	43	1368	8.614	ug/l	98
31) Cyclohexane	7.96	56	1275	1.185	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	4795	5.315	ug/l #	47
37) Ethyl Acetate	7.19	43	1368	4.082	ug/l #	67
38) Carbon Tetrachloride	7.95	117	6113	6.181	ug/l #	17
52) Toluene	10.39	92	5679	3.423	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	13563	65.064	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	13563	155.528	ug/l #	10
95) Naphthalene	15.38	128	1796	1.674	ug/l #	86

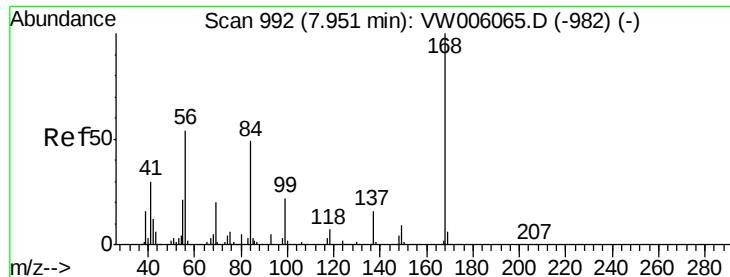
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006188.D

Acq: 18 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

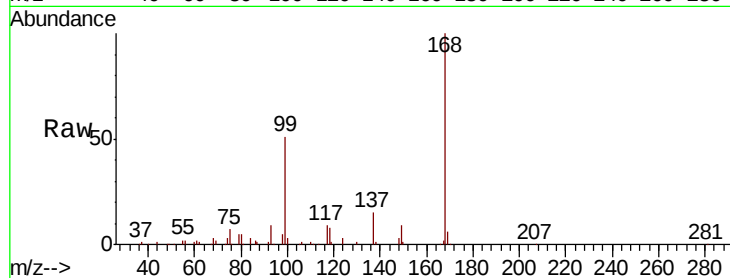
RLF-SD-3RE

Tot Ion:168 Resp: 70912

Ion Ratio Lower Upper

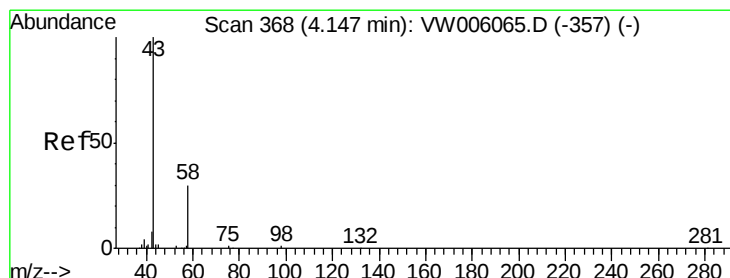
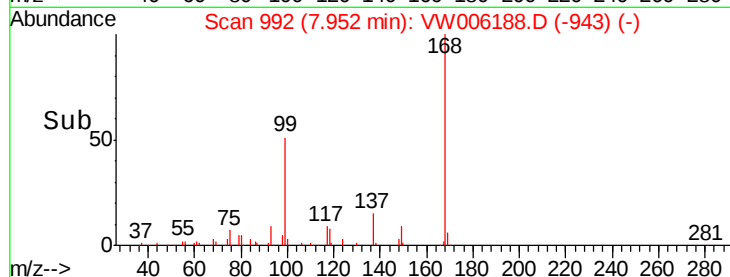
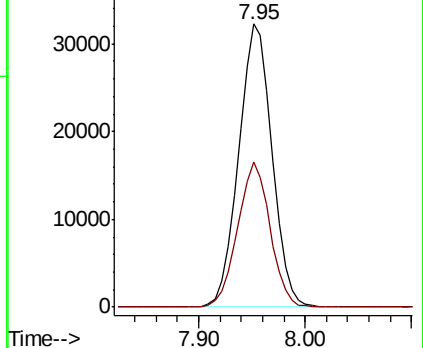
168 100

99 51.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 16.414 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006188.D

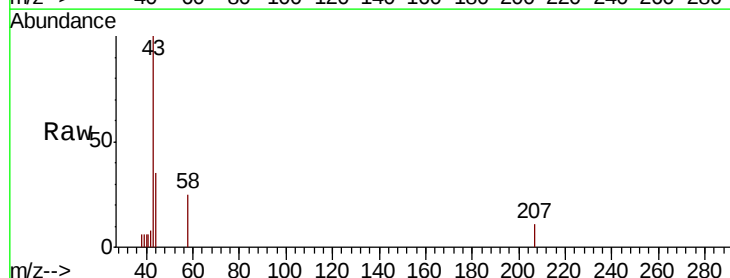
Acq: 18 Oct 2018 20:36

Tgt Ion: 43 Resp: 3336

Ion Ratio Lower Upper

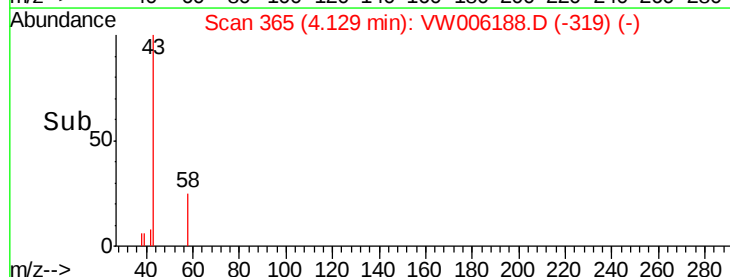
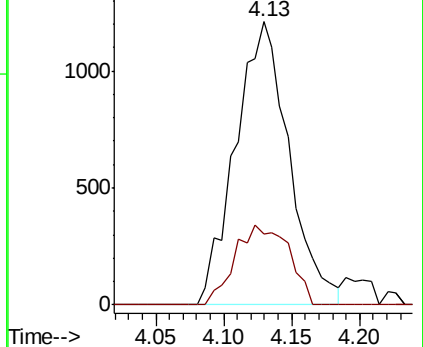
43 100

58 25.1 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

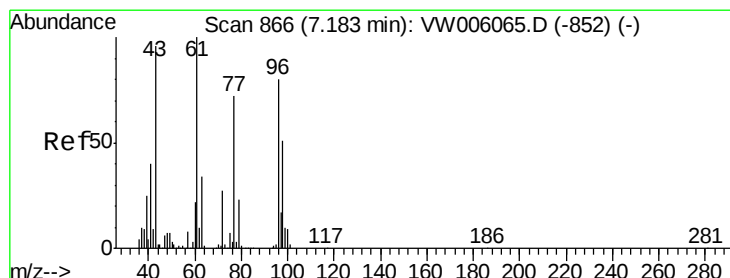
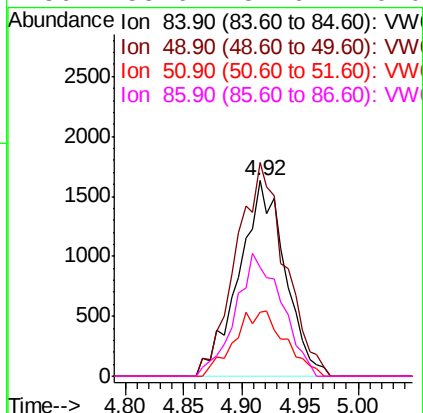
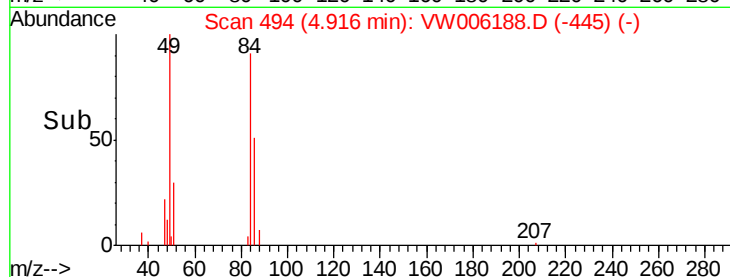
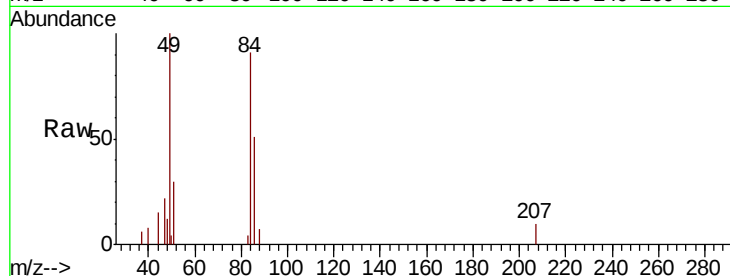




#20
Methylene Chloride
Concen: 5.787 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006188.D
Acq: 18 Oct 2018 20:36

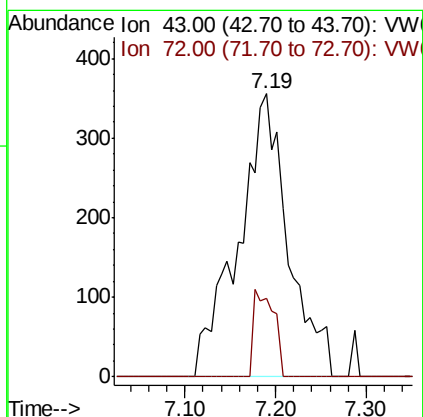
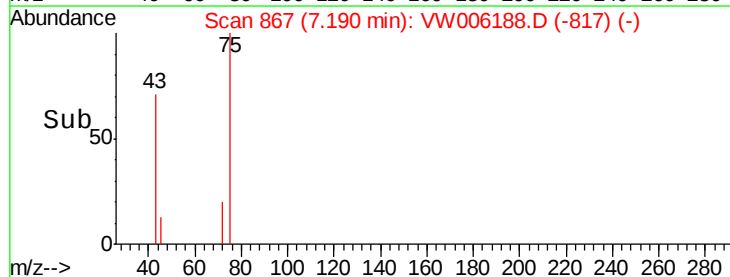
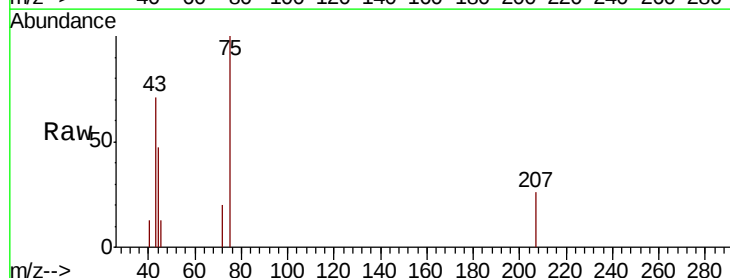
Instrument :
MSVOA_W
ClientSampled :
RLF-SD-3RE

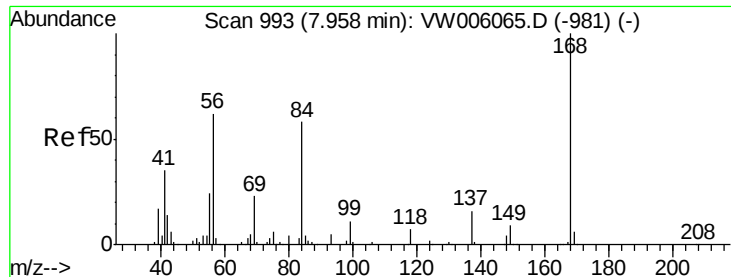
Tot Ion: 84 Resp: 4495
Ion Ratio Lower Upper
84 100
49 109.3 93.6 140.4
51 33.0 29.0 43.4
86 55.6 52.6 79.0



#25
2-Butanone
Concen: 8.614 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW006188.D
Acq: 18 Oct 2018 20:36

Tgt Ion: 43 Resp: 1368
Ion Ratio Lower Upper
43 100
72 27.5 22.8 34.2

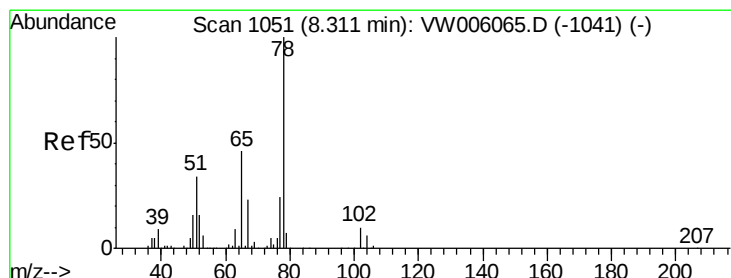
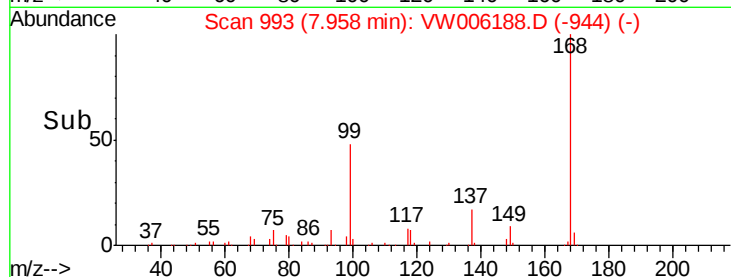
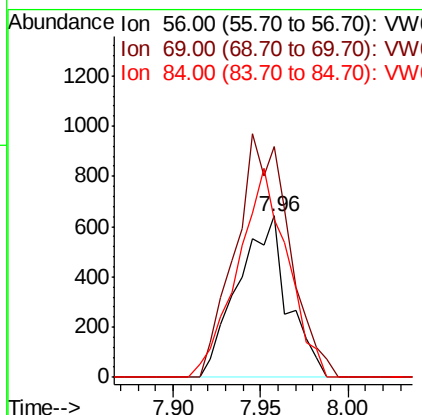
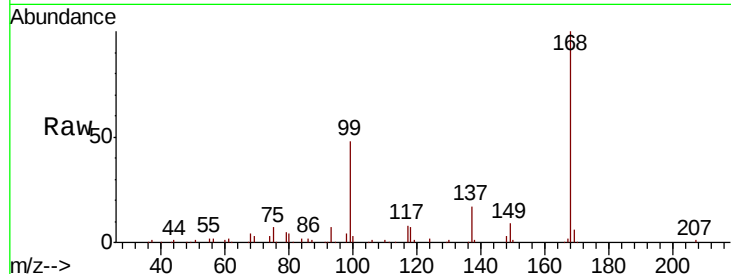




#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006188.D
Acq: 18 Oct 2018 20:36

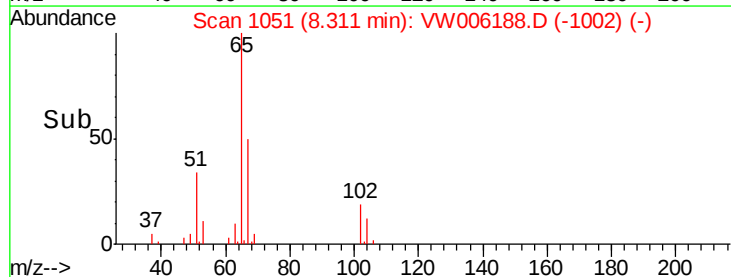
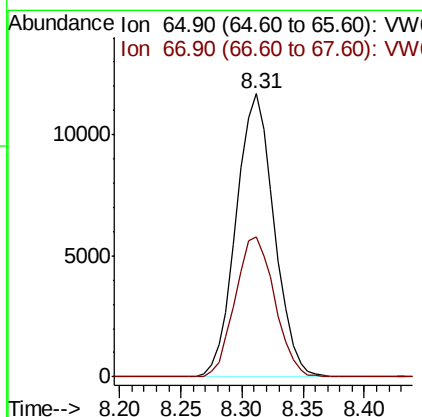
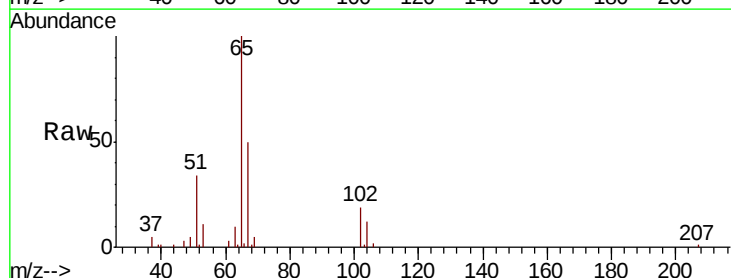
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-3RE

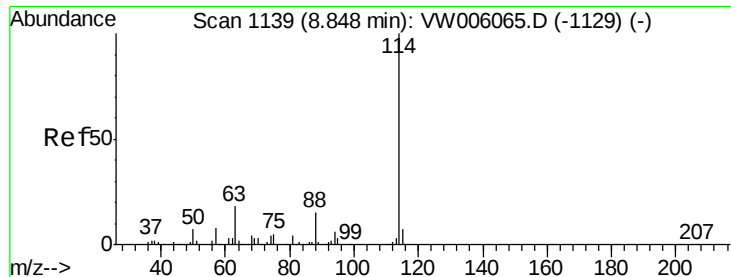
Tot Ion: 56 Resp: 1275
Ion Ratio Lower Upper
56 100
69 142.8 29.4 44.0#
84 97.5 74.0 111.0



#33
1,2-Dichloroethane-d4
Concen: 42.985 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006188.D
Acq: 18 Oct 2018 20:36

Tgt Ion: 65 Resp: 25271
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006188.D

Acq: 18 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-3RE

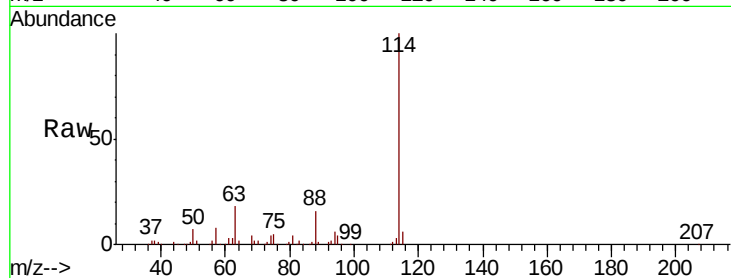
Tot Ion:114 Resp: 97872

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

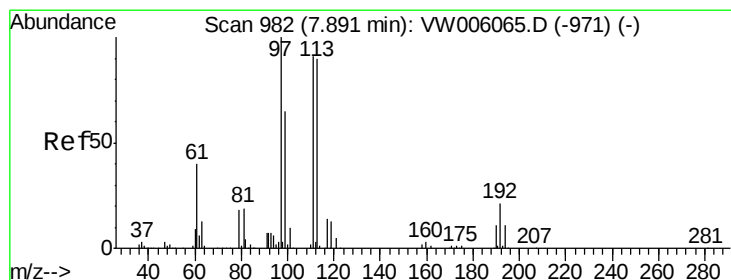
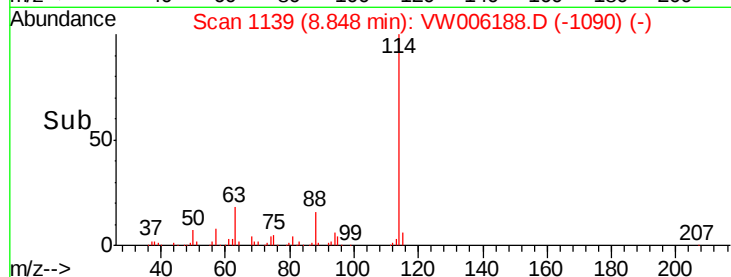
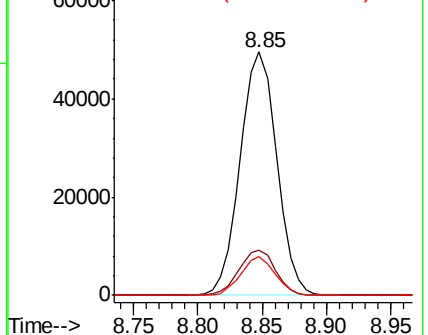
88 16.2 0.0 29.0



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: 43.659 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006188.D

Acq: 18 Oct 2018 20:36

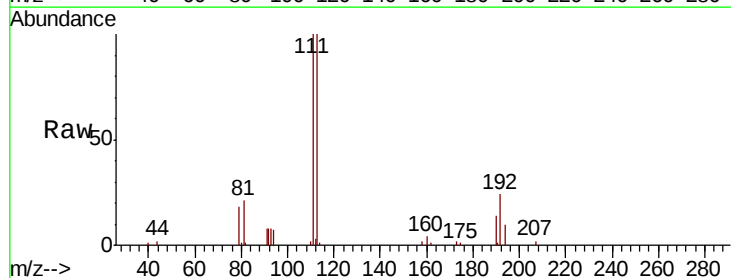
Tgt Ion:113 Resp: 25249

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

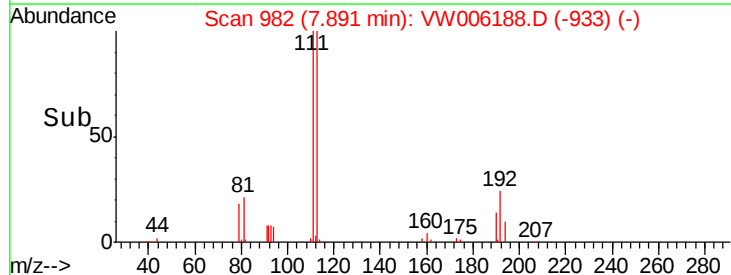
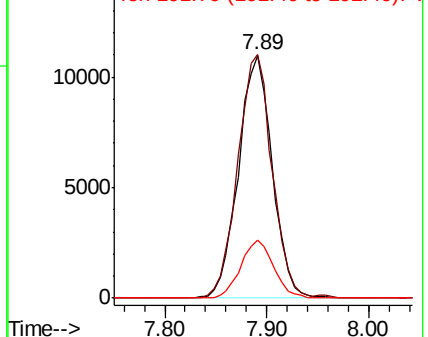
192 23.1 18.7 28.1

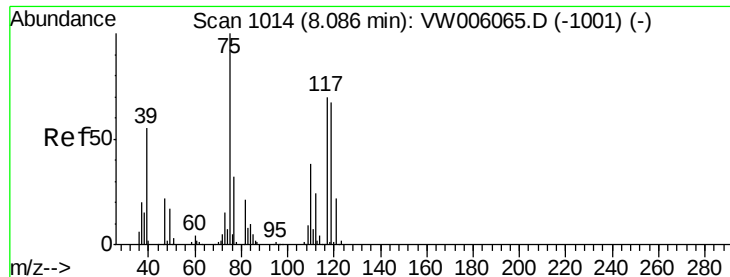


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.315 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006188.D

Acq: 18 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-3RE

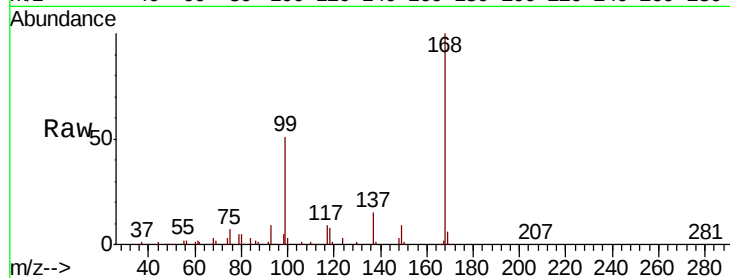
Tot Ion: 75 Resp: 4795

Ion Ratio Lower Upper

75 100

110 8.1 19.1 57.1#

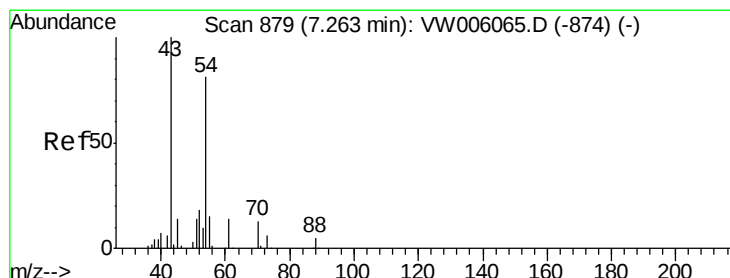
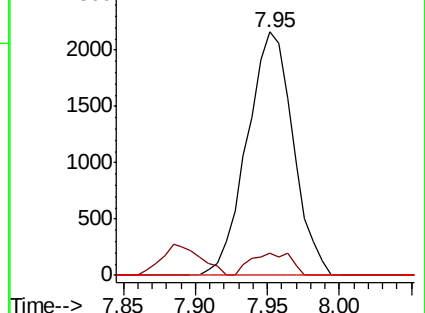
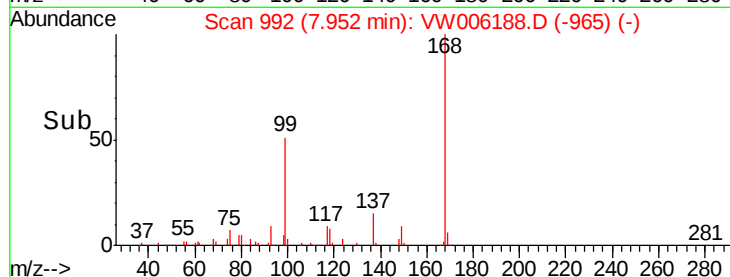
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 4.082 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.07 min

Lab File: VW006188.D

Acq: 18 Oct 2018 20:36

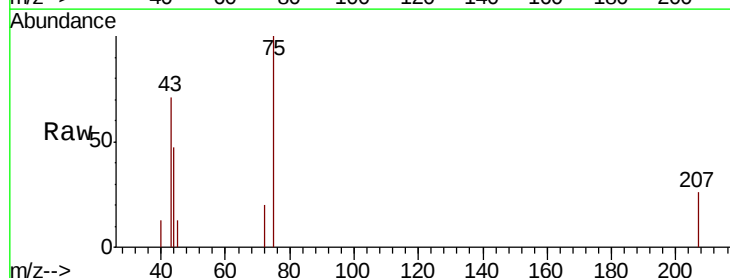
Tgt Ion: 43 Resp: 1368

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

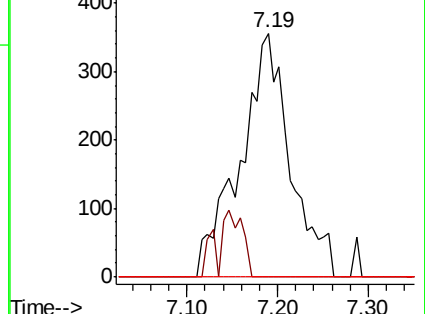
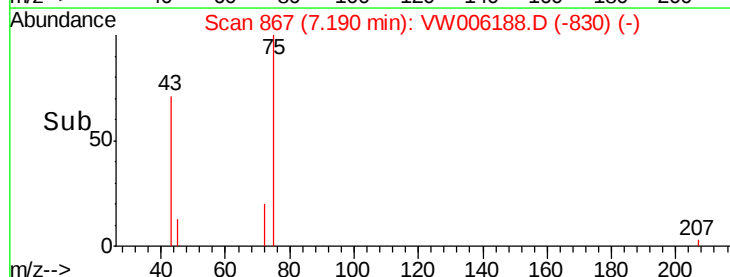
70 0.0 9.2 13.8#

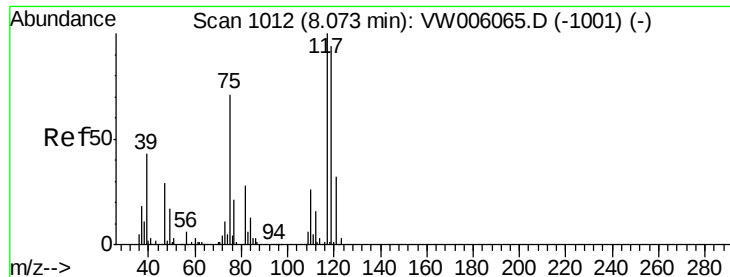


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

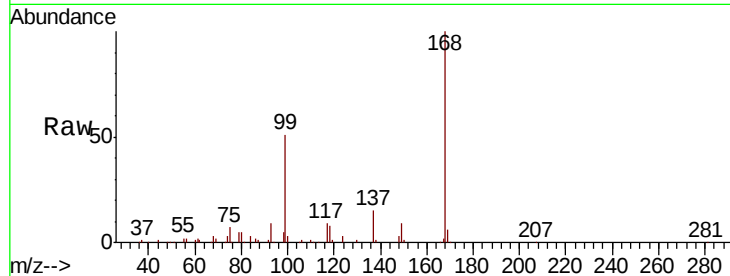




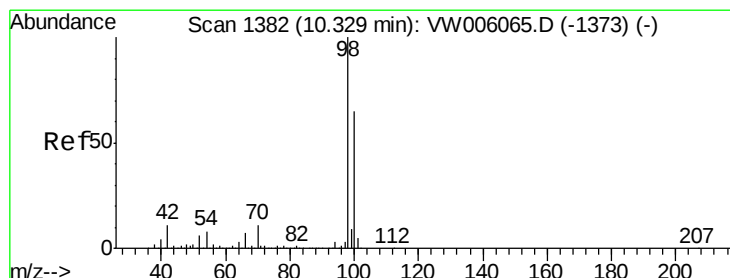
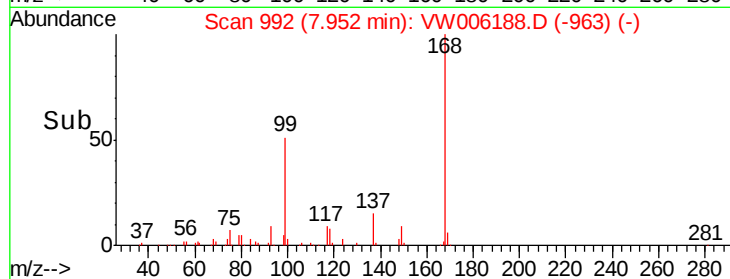
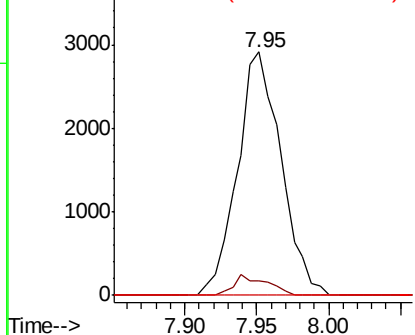
#38
Carbon Tetrachloride
Concen: 6.181 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006188.D
Acq: 18 Oct 2018 20:36

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-3RE

Tot Ion:117 Resp: 6113
Ion Ratio Lower Upper
117 100
119 5.9 75.2 112.8#
121 0.0 25.3 37.9#

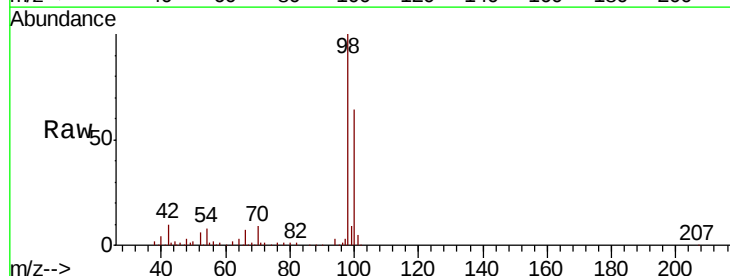


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

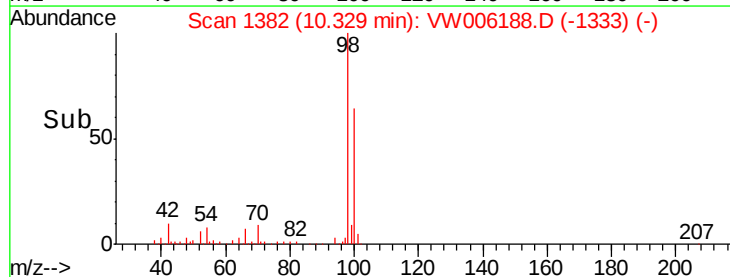
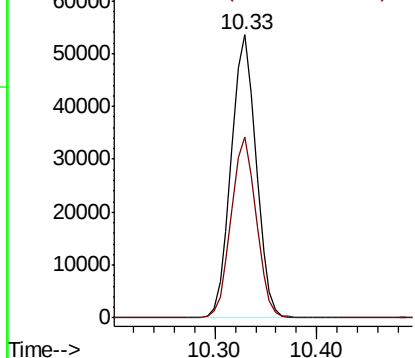


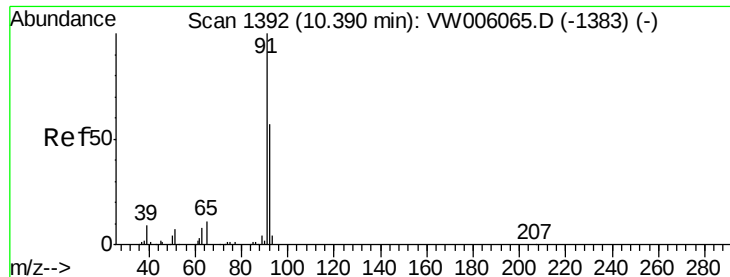
#50
Toluene-d8
Concen: 41.245 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006188.D
Acq: 18 Oct 2018 20:36

Tgt Ion: 98 Resp: 90749
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 3.423 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006188.D

Acq: 18 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

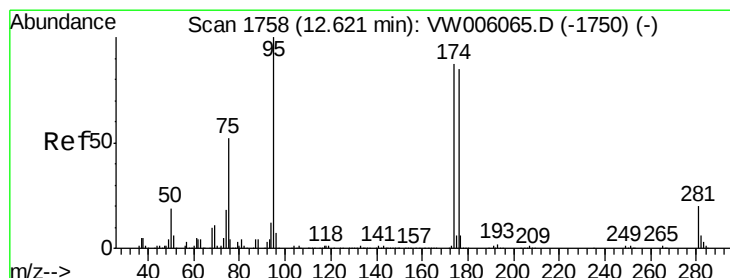
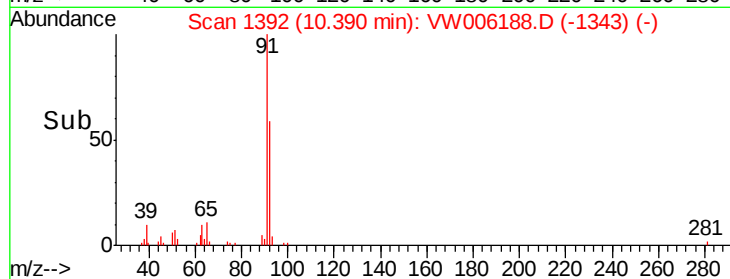
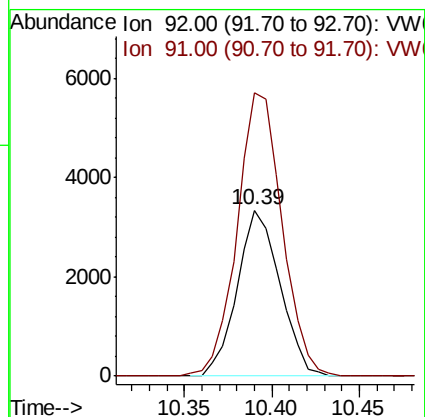
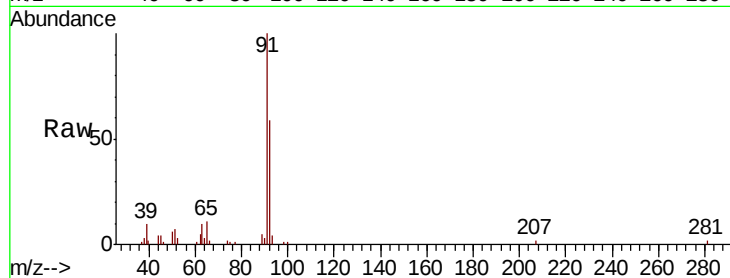
RLF-SD-3RE

Tot Ion: 92 Resp: 5679

Ion Ratio Lower Upper

92 100

91 179.3 140.0 210.0



#62

4-Bromofluorobenzene

Concen: 31.620 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006188.D

Acq: 18 Oct 2018 20:36

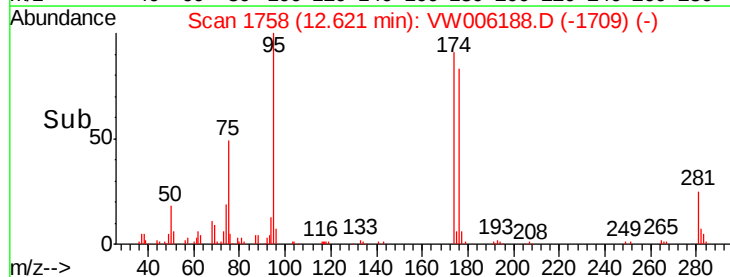
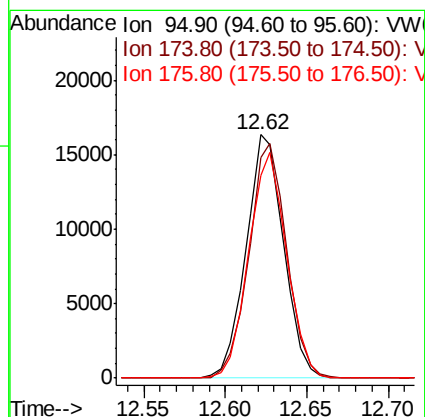
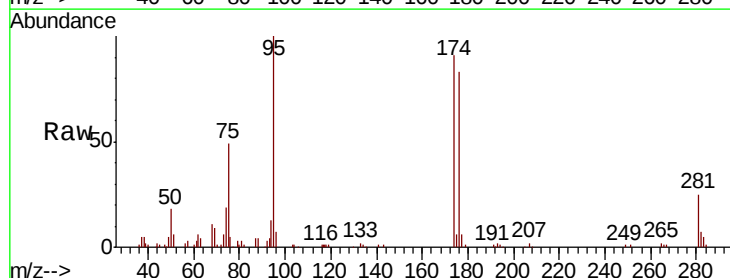
Tgt Ion: 95 Resp: 26130

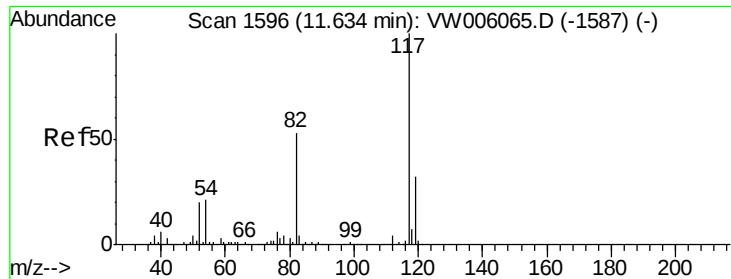
Ion Ratio Lower Upper

95 100

174 96.7 0.0 186.0

176 93.5 0.0 181.6

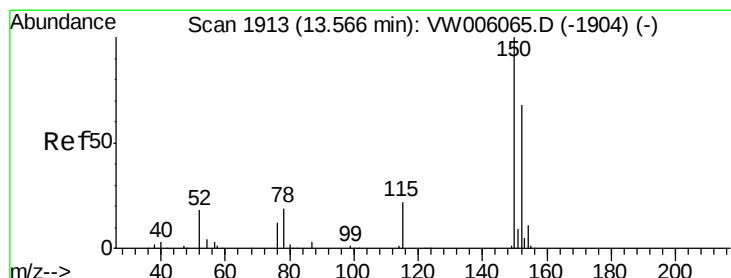
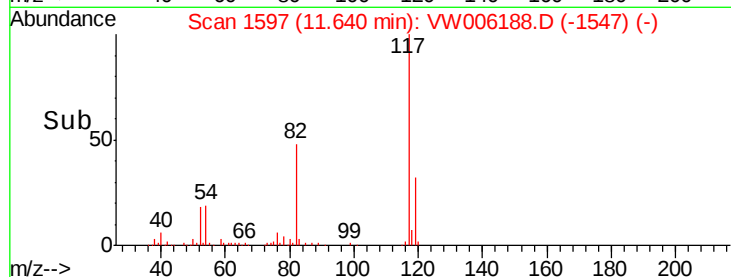
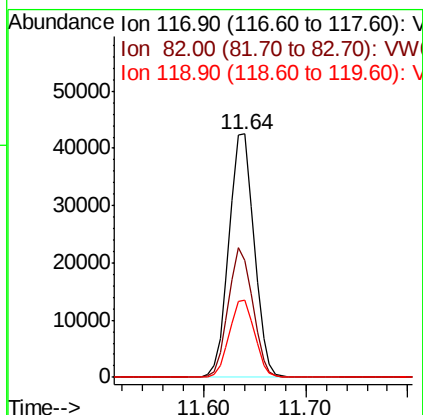
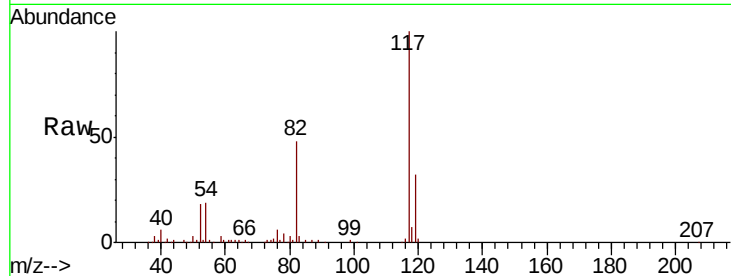




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW006188.D
Acq: 18 Oct 2018 20:36

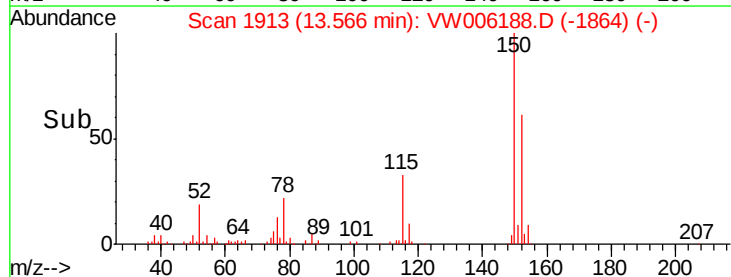
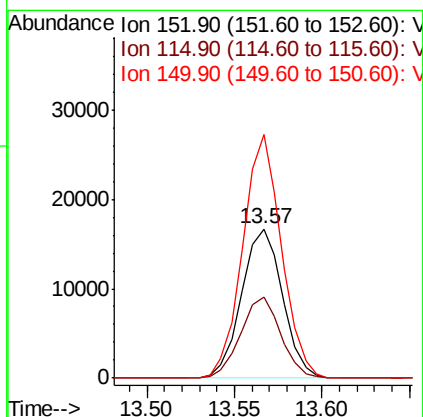
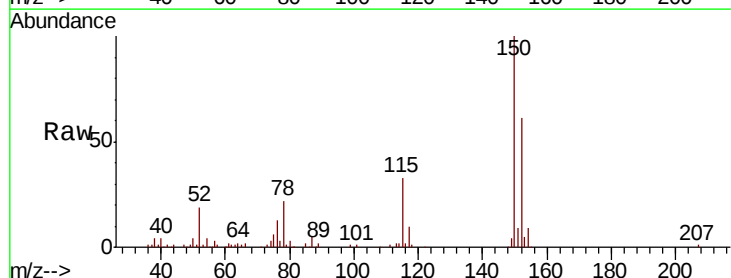
Instrument :
MSVOA_W
ClientSampled :
RLF-SD-3RE

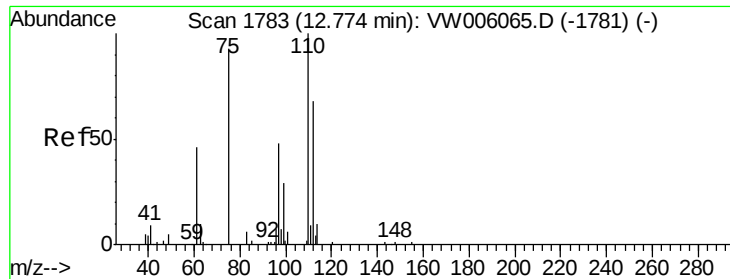
Tot Ion:117 Resp: 72821
Ion Ratio Lower Upper
117 100
82 48.2 42.1 63.1
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006188.D
Acq: 18 Oct 2018 20:36

Tgt Ion:152 Resp: 27292
Ion Ratio Lower Upper
152 100
115 53.4 27.8 83.3
150 154.3 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 65.064 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006188.D

Acq: 18 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

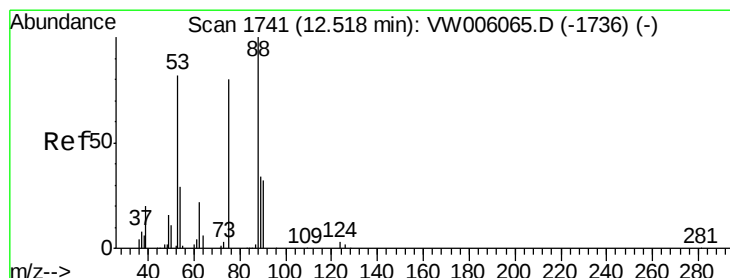
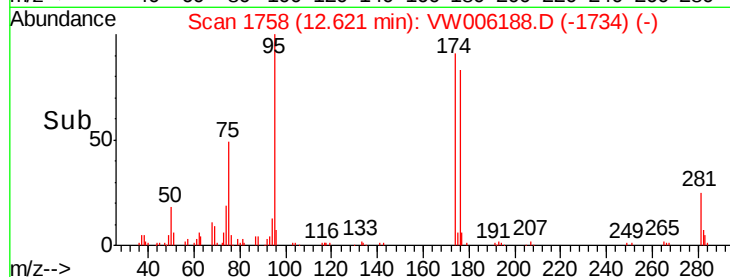
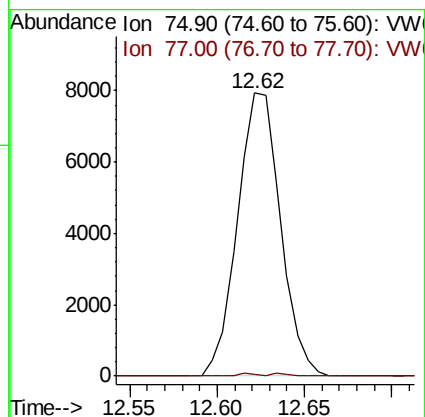
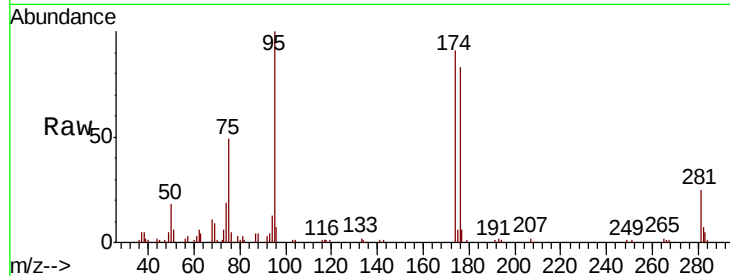
RLF-SD-3RE

Tot Ion: 75 Resp: 13563

Ion Ratio Lower Upper

75 100

77 0.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 155.528 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006188.D

Acq: 18 Oct 2018 20:36

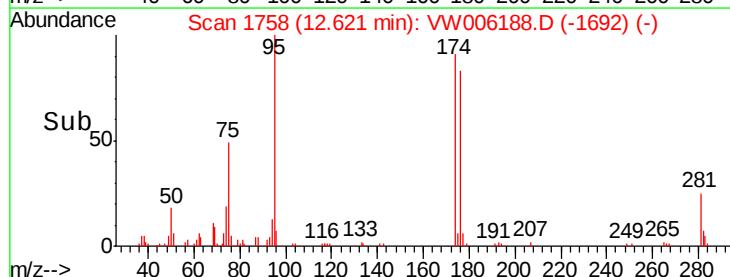
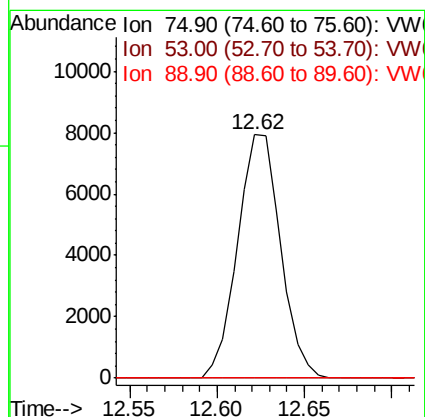
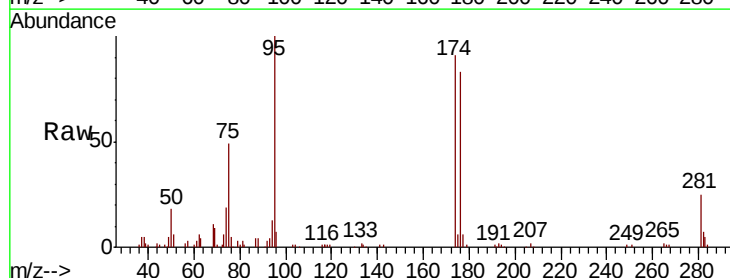
Tgt Ion: 75 Resp: 13563

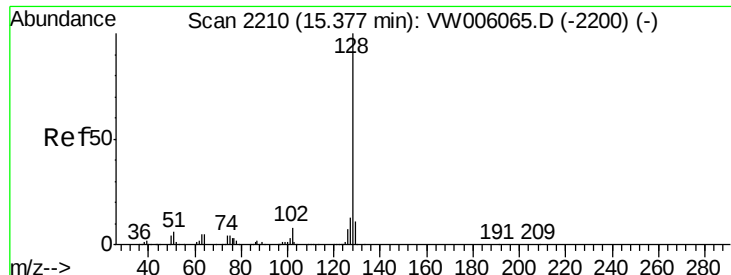
Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#





#95

Naphthalene

Concen: 1.674 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006188.D

Acq: 18 Oct 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-3RE

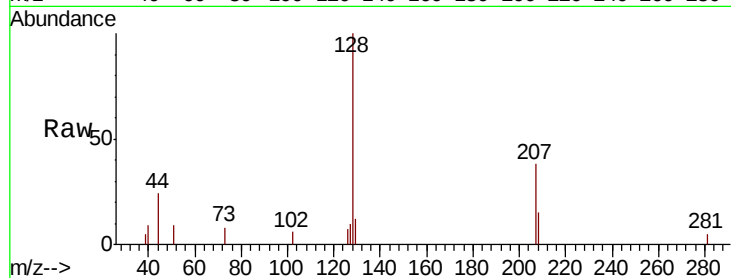
Tot Ion:128 Resp: 1796

Ion Ratio Lower Upper

128 100

127 7.2 10.3 15.5#

129 6.1 8.7 13.1#



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

