

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006189.D
 Acq On : 18 Oct 2018 21:02
 Operator : VA/AP
 Sample : J5565-03RE
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-4RE

Quant Time: Oct 19 06:04:20 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

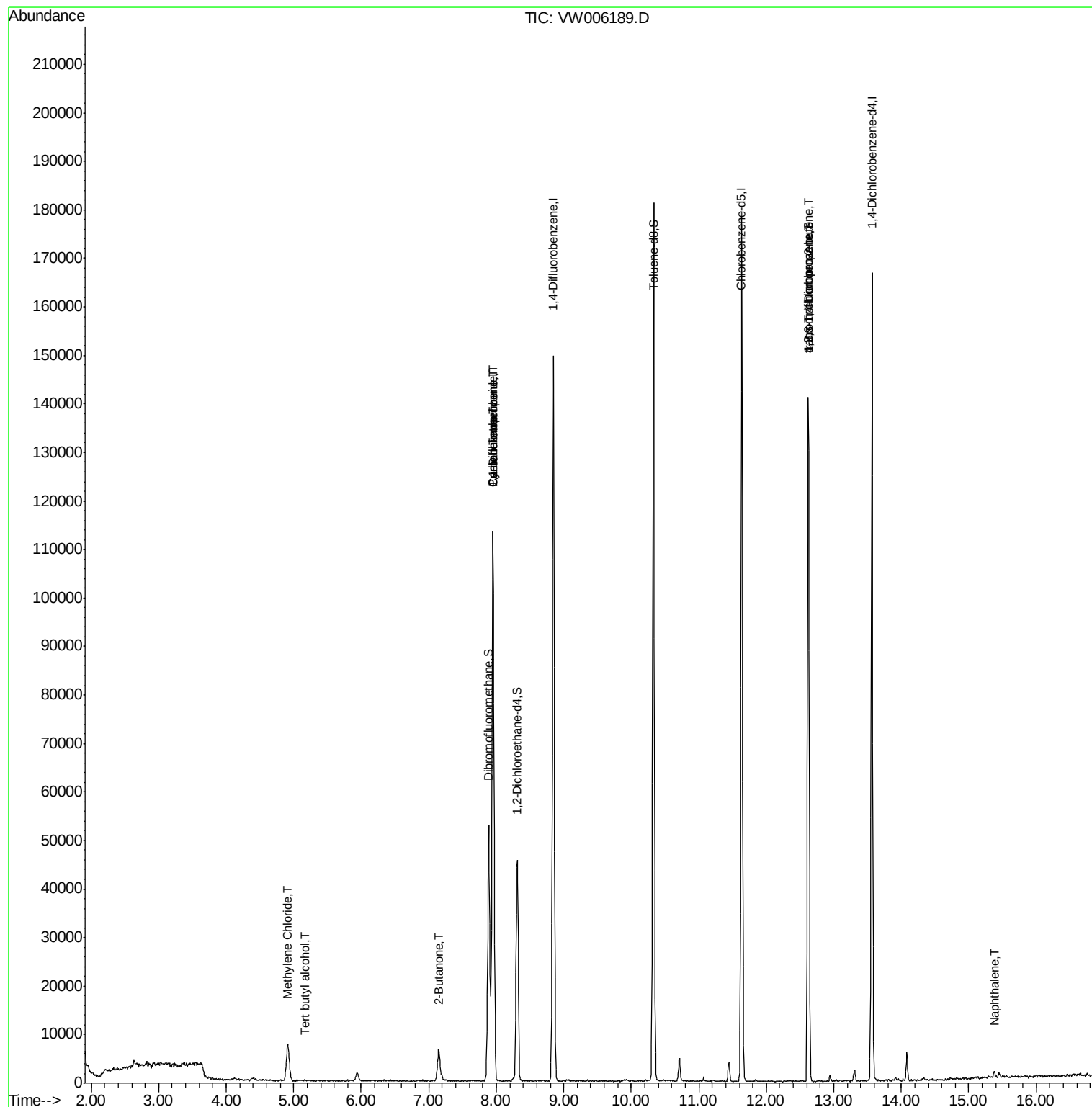
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	91410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	131090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	104353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	46704	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	36937	48.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.48%	
35) Dibromofluoromethane	7.89	113	35281	45.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.10%	
50) Toluene-d8	10.33	98	122294	41.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.00%	
62) 4-Bromofluorobenzene	12.62	95	39365	35.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.12%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	90	1.766	ug/l #	71
16) Acetone	4.12	43	943	Below Cal	#	89
20) Methylene Chloride	4.91	84	5797	5.790	ug/l	93
25) 2-Butanone	7.14	43	384	1.876	ug/l #	46
31) Cyclohexane	7.95	56	1625	1.172	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	6188	5.121	ug/l #	48
38) Carbon Tetrachloride	7.95	117	8248	6.227	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	20121	56.405	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	20121	134.829	ug/l #	10
95) Naphthalene	15.38	128	1837	1.000	ug/l #	95

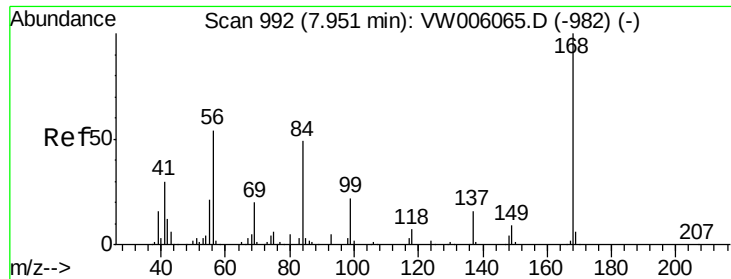
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006189.D

Acq: 18 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

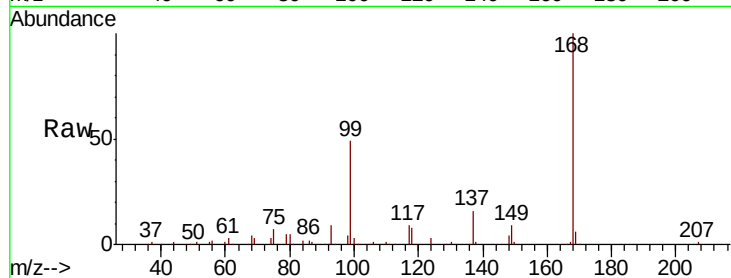
RLF-SD-4RE

Tot Ion:168 Resp: 91410

Ion Ratio Lower Upper

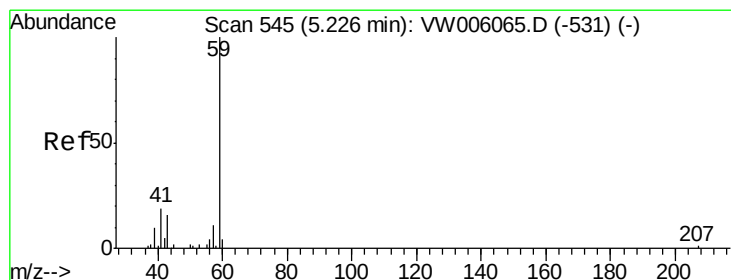
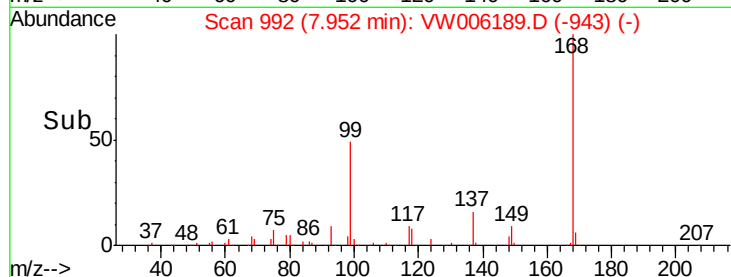
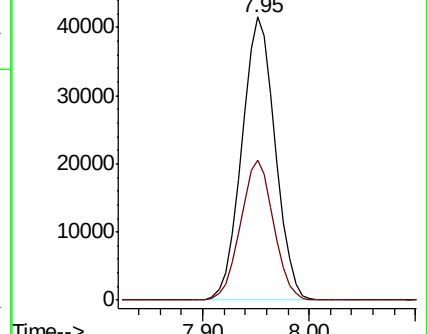
168 100

99 49.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.766 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.05 min

Lab File: VW006189.D

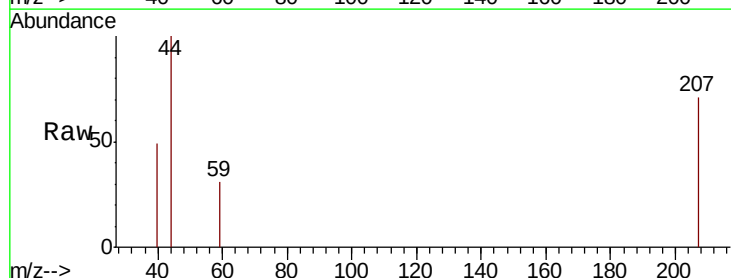
Acq: 18 Oct 2018 21:02

Tgt Ion: 59 Resp: 90

Ion Ratio Lower Upper

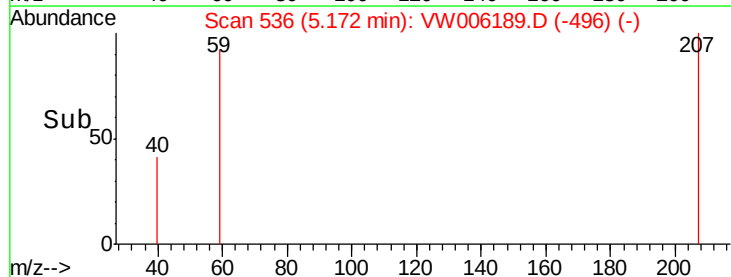
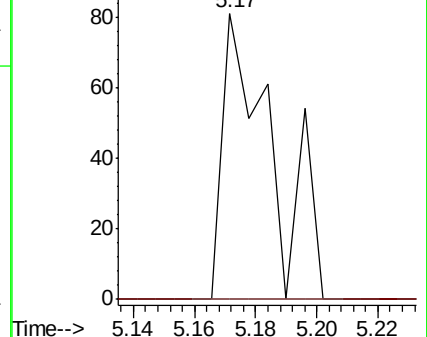
59 100

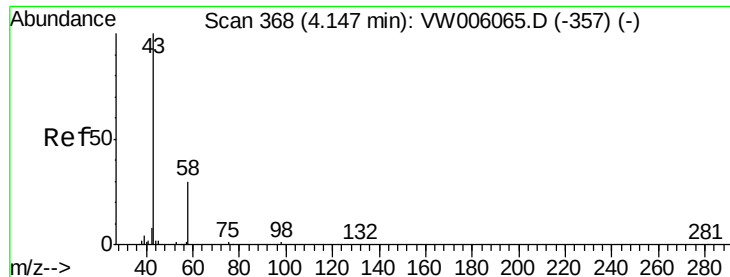
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

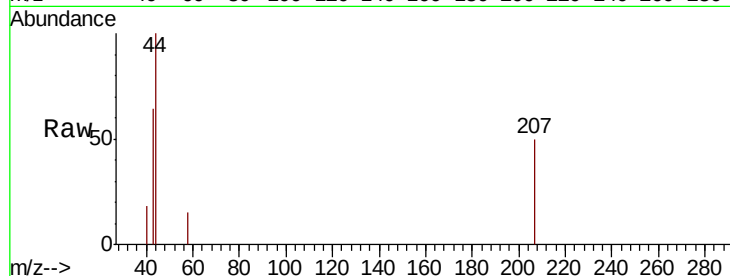
RLF-SD-4RE

Tot Ion: 43 Resp: 943

Ion Ratio Lower Upper

43 100

58 23.8 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

250

200

150

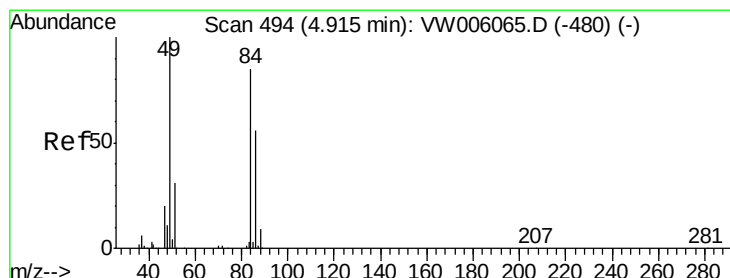
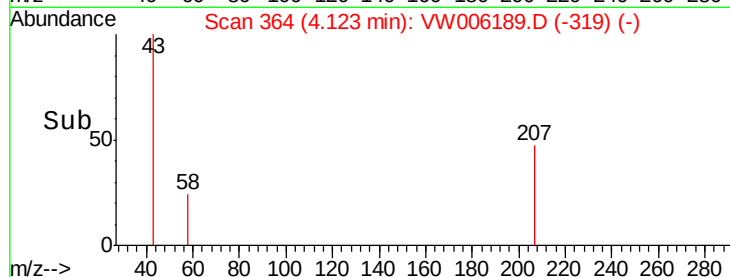
100

50

0

4.05 4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: 5.790 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

Tgt Ion: 84 Resp: 5797

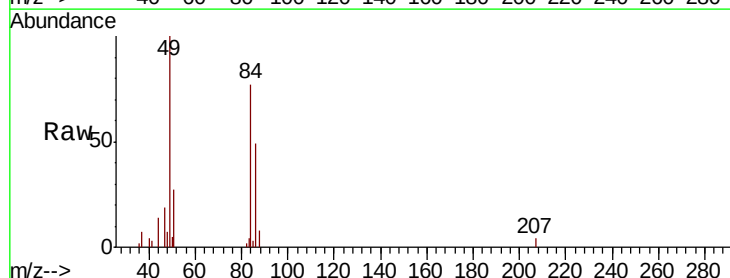
Ion Ratio Lower Upper

84 100

49 130.2 93.6 140.4

51 35.7 29.0 43.4

86 63.4 52.6 79.0



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

3000

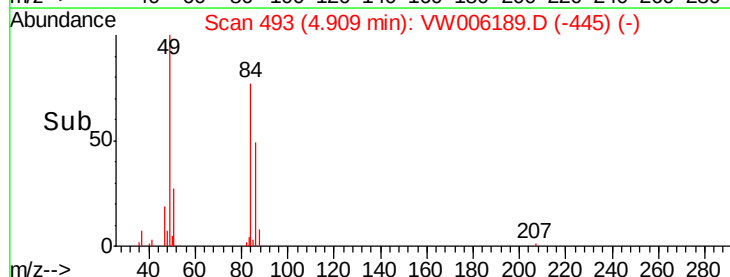
2000

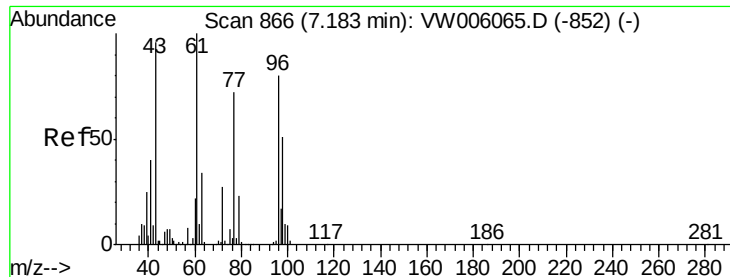
1000

0

4.80 4.85 4.90 4.95 5.00

Time-->





#25

2-Butanone

Concen: 1.876 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

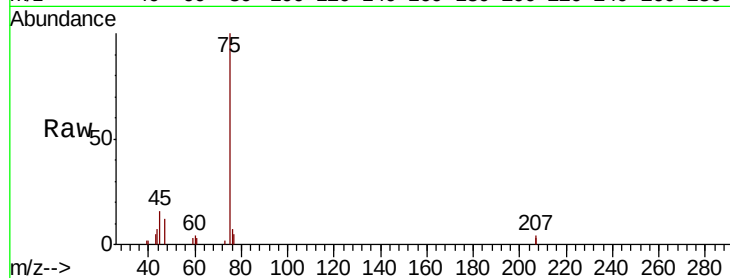
RLF-SD-4RE

Tot Ion: 43 Resp: 384

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.14

150

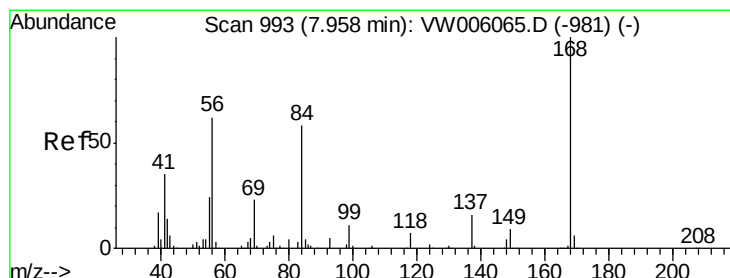
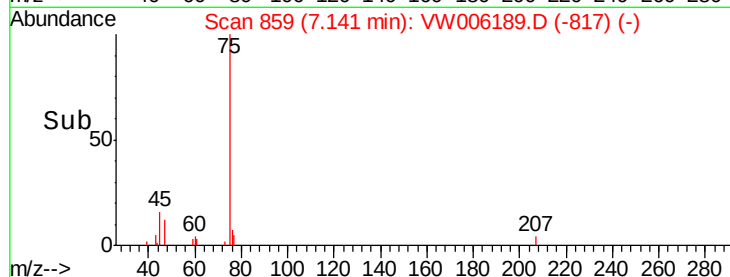
100

50

0

7.10 7.15 7.20

Time-->



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

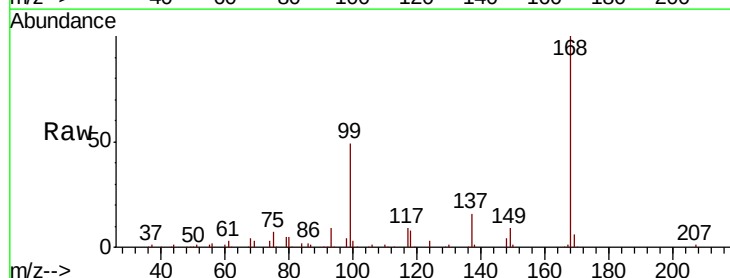
Tgt Ion: 56 Resp: 1625

Ion Ratio Lower Upper

56 100

69 157.3 29.4 44.0#

84 119.5 74.0 111.0#



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

1500

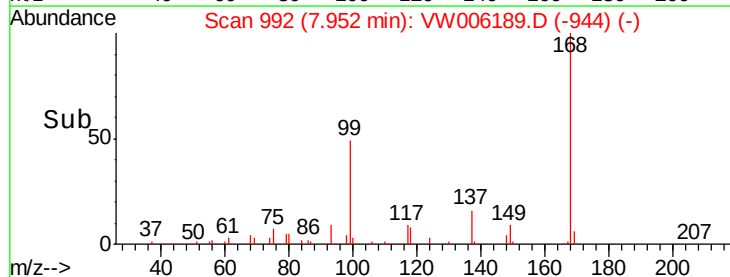
1000

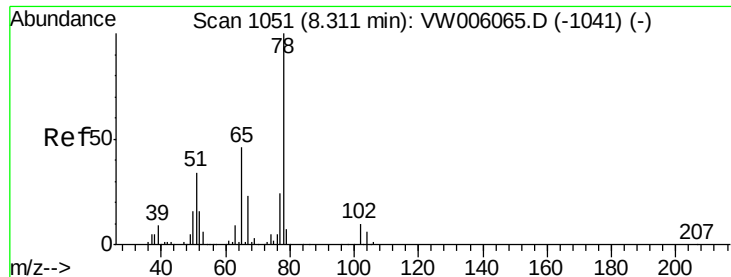
500

0

7.90 7.95 8.00

Time-->

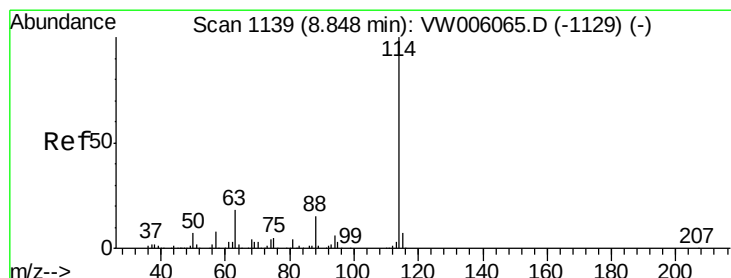
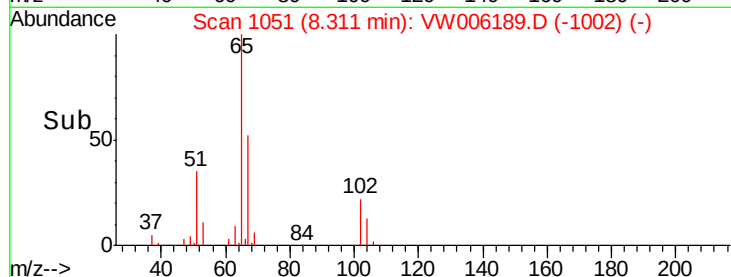
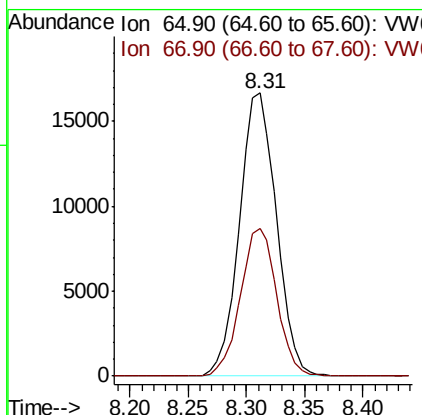
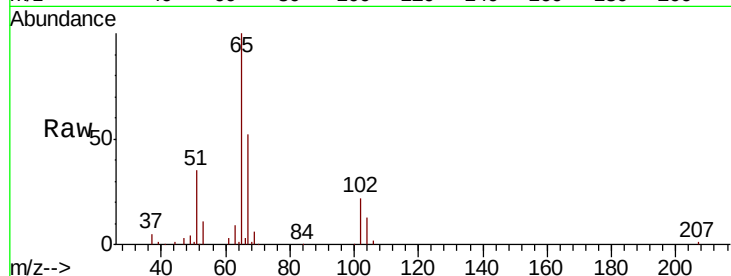




#33
 1,2-Dichloroethane-d4
 Concen: 48.740 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006189.D
 Acq: 18 Oct 2018 21:02

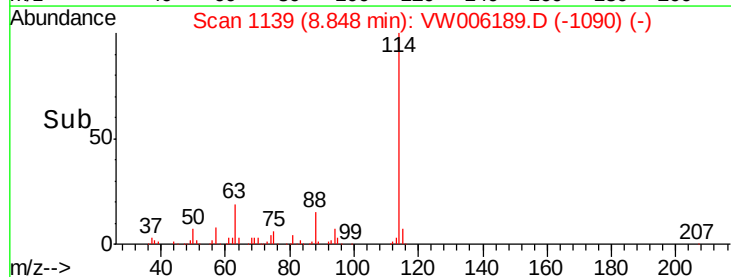
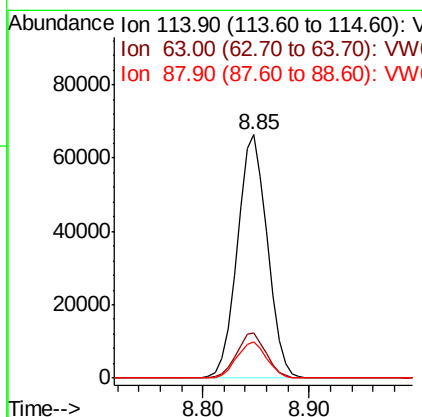
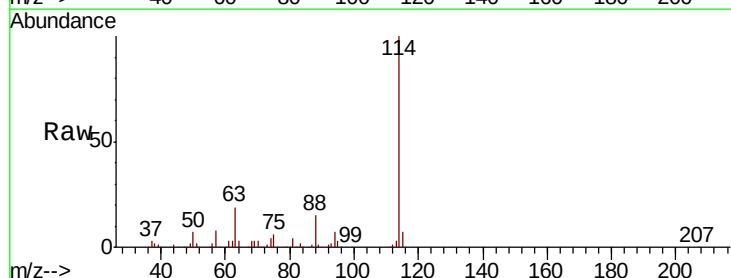
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-4RE

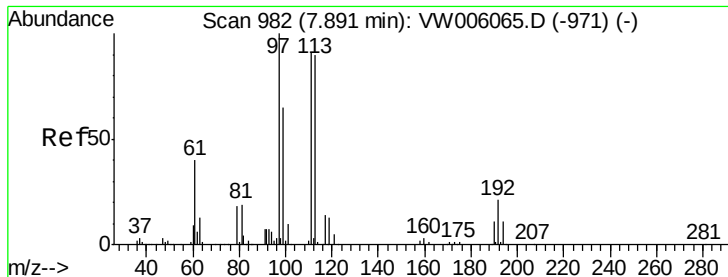
Tot Ion: 65 Resp: 36937
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006189.D
 Acq: 18 Oct 2018 21:02

Tgt Ion: 114 Resp: 131090
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.8
 88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 45.547 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-4RE

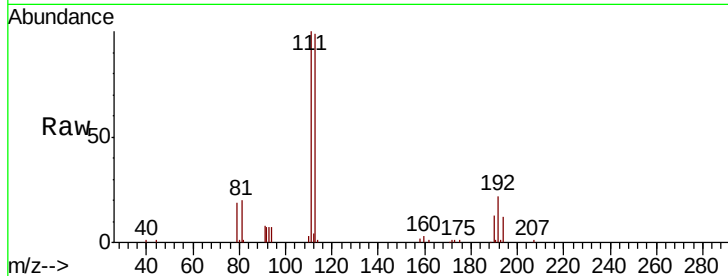
Tot Ion:113 Resp: 35281

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

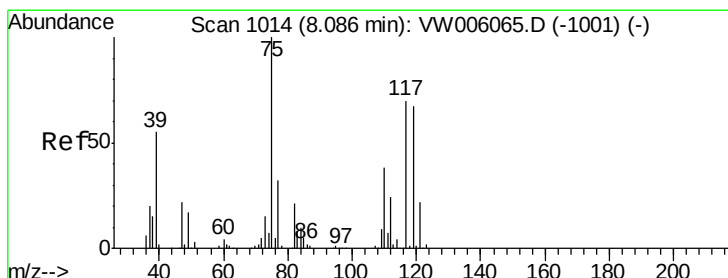
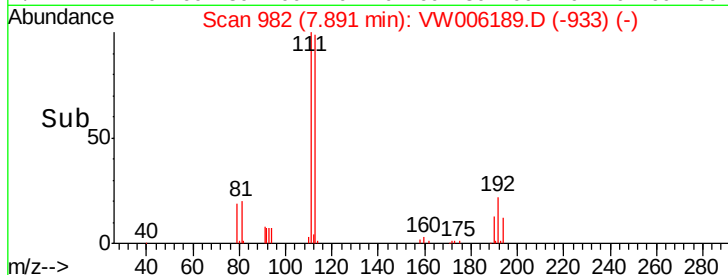
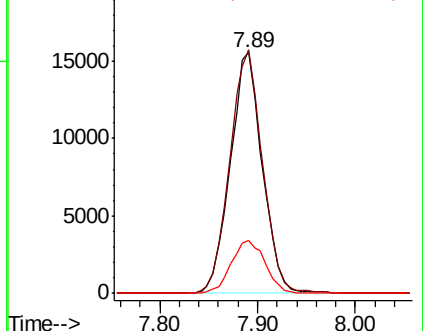
192 23.2 18.7 28.1



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: 5.121 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

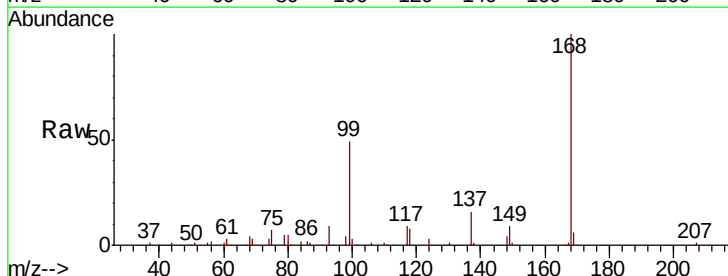
Tgt Ion: 75 Resp: 6188

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.1#

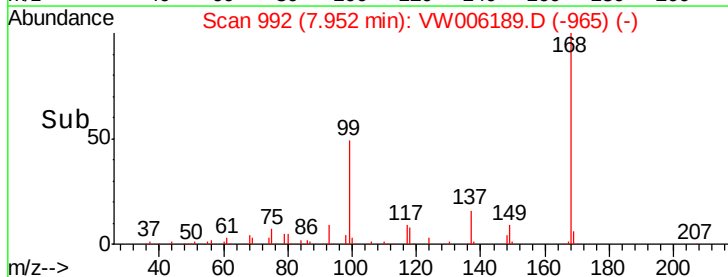
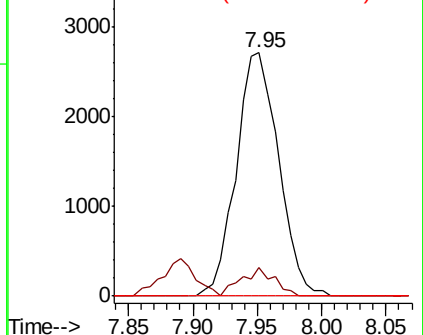
77 0.0 25.0 37.4#

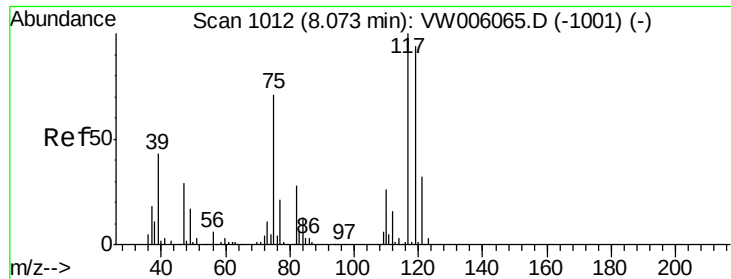


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

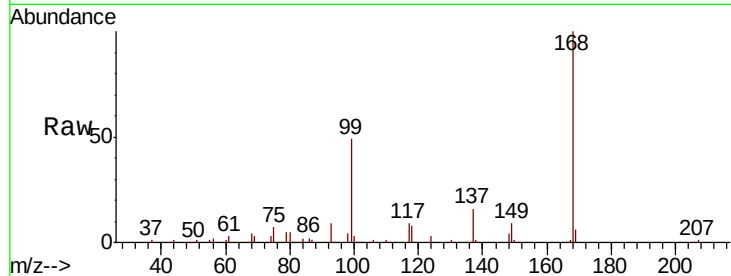




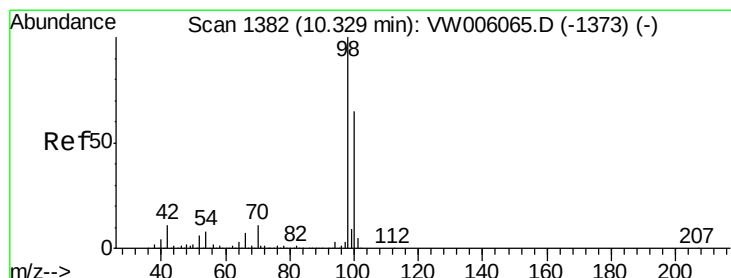
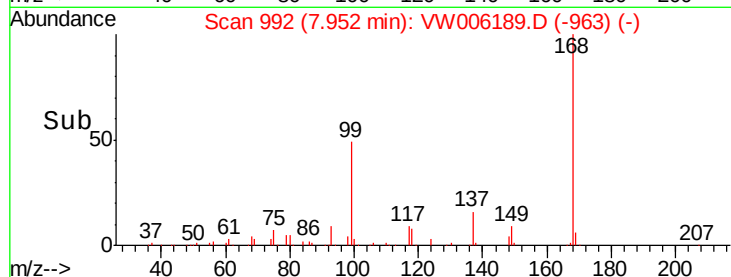
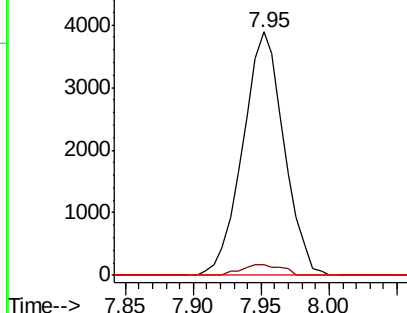
#38
Carbon Tetrachloride
Concen: 6.227 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006189.D
Acq: 18 Oct 2018 21:02

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-4RE

Tot Ion:117 Resp: 8248
Ion Ratio Lower Upper
117 100
119 4.6 75.2 112.8#
121 0.0 25.3 37.9#

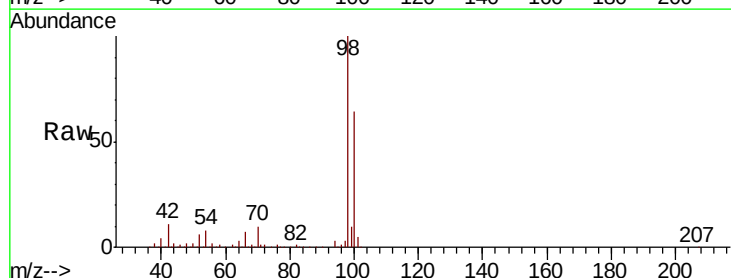


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

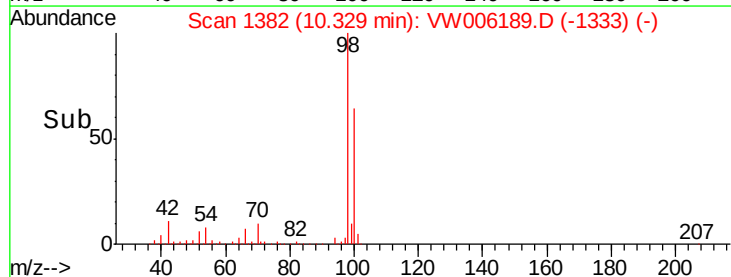
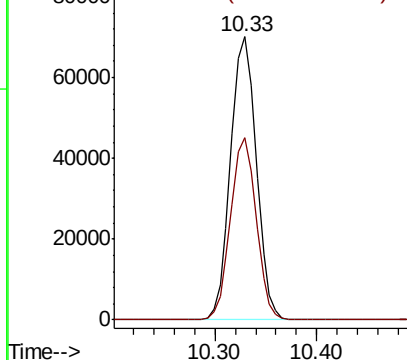


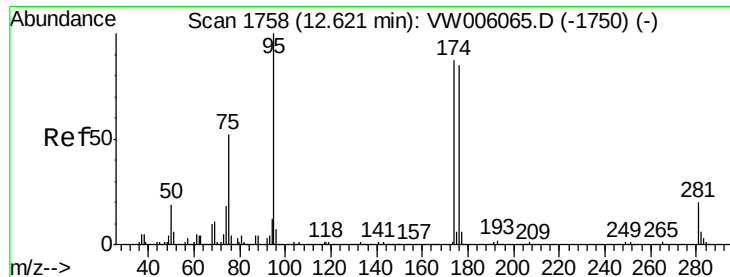
#50
Toluene-d8
Concen: 41.498 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006189.D
Acq: 18 Oct 2018 21:02

Tgt Ion: 98 Resp: 122294
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



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

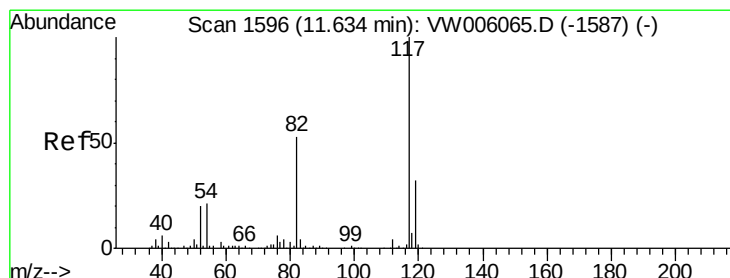
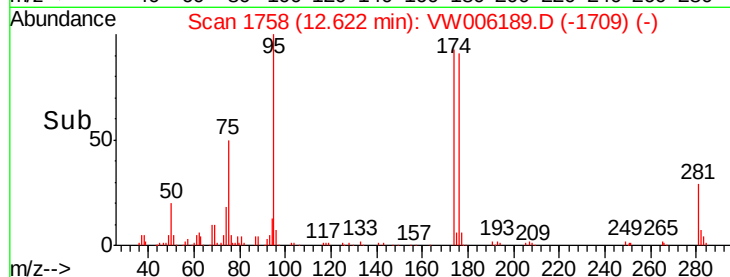
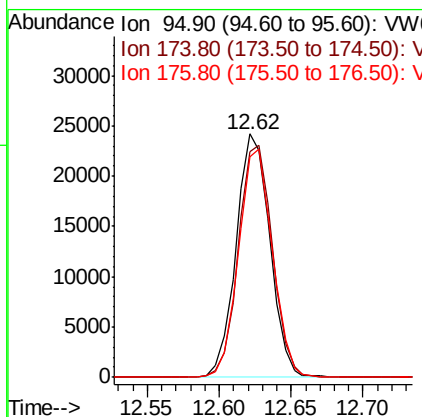
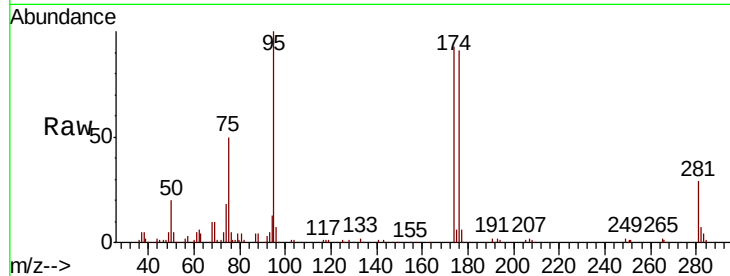




#62
4-Bromofluorobenzene
Concen: 35.565 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006189.D
Acq: 18 Oct 2018 21:02

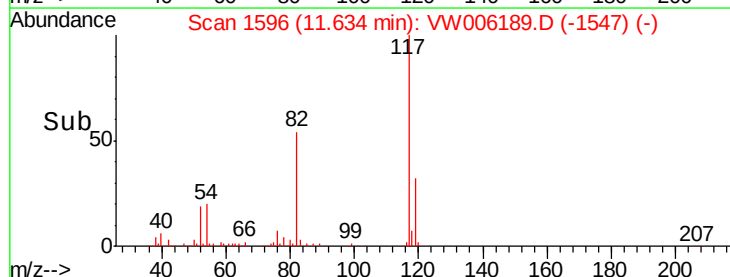
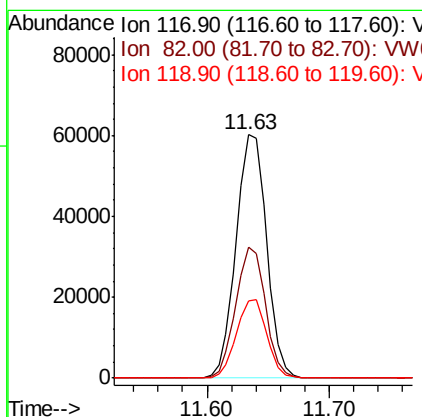
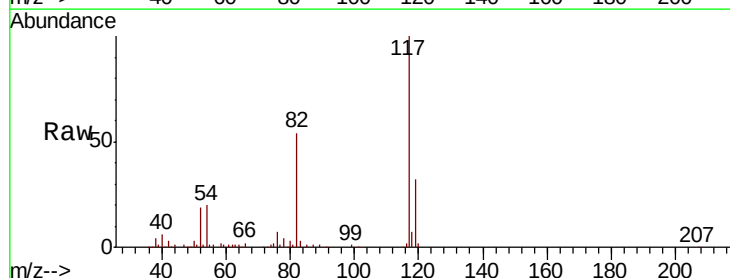
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-4RE

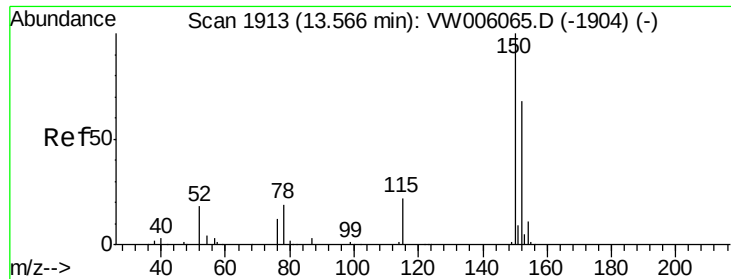
Tot Ion: 95 Resp: 39365
Ion Ratio Lower Upper
95 100
174 95.8 0.0 186.0
176 93.7 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006189.D
Acq: 18 Oct 2018 21:02

Tgt Ion: 117 Resp: 104353
Ion Ratio Lower Upper
117 100
82 54.0 42.1 63.1
119 31.9 25.8 38.6

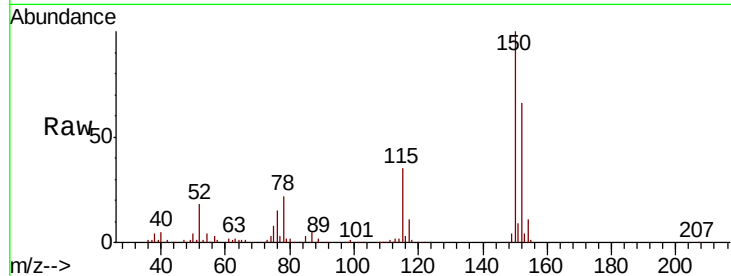




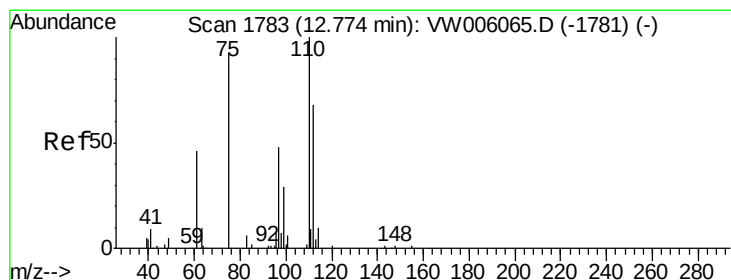
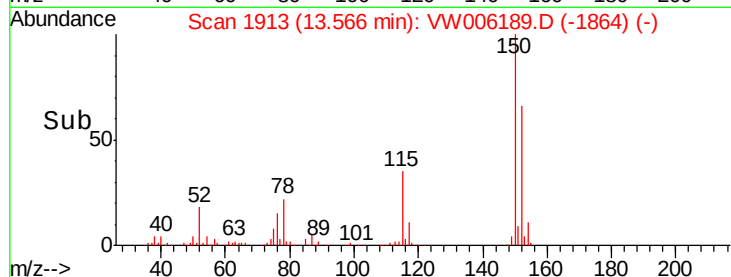
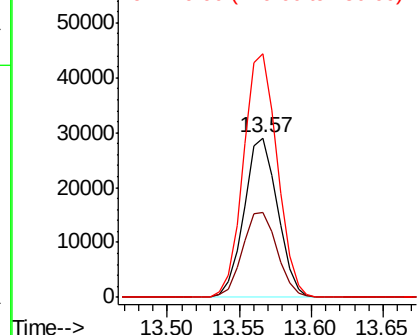
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VW006189.D
 Acq: 18 Oct 2018 21:02

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-4RE

Tot Ion:152 Resp: 46704
 Ion Ratio Lower Upper
 152 100
 115 55.3 27.8 83.3
 150 154.8 0.0 349.2

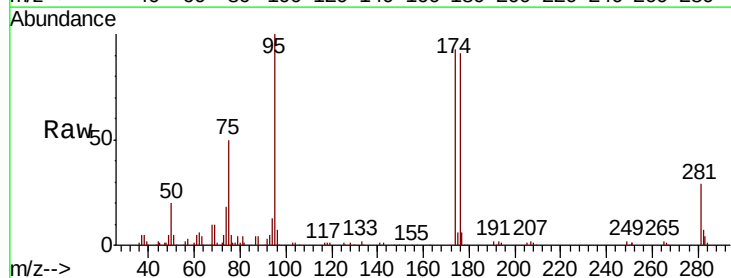


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

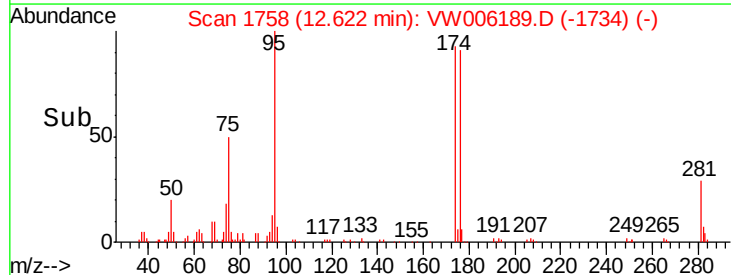
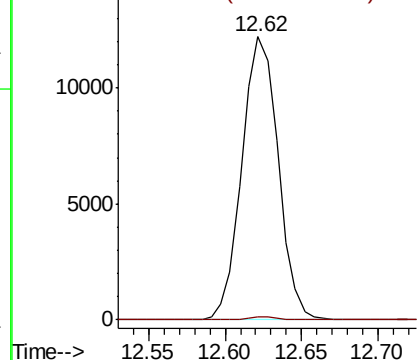


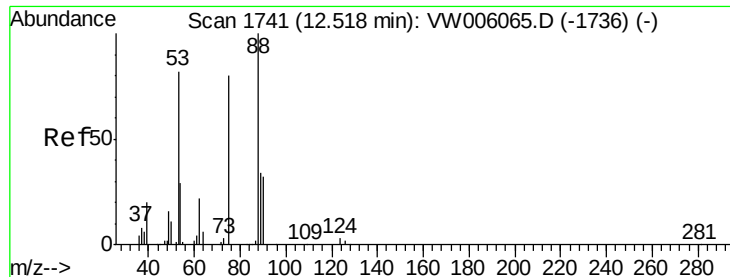
#76
 1,2,3-Trichloropropane
 Concen: 56.405 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006189.D
 Acq: 18 Oct 2018 21:02

Tgt Ion: 75 Resp: 20121
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 134.829 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-4RE

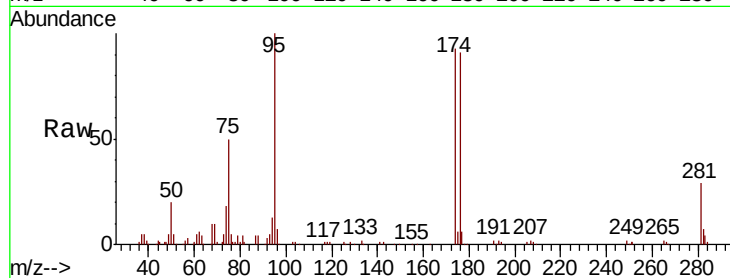
Tot Ion: 75 Resp: 20121

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

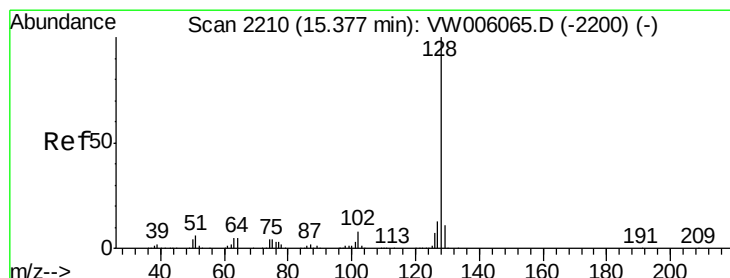
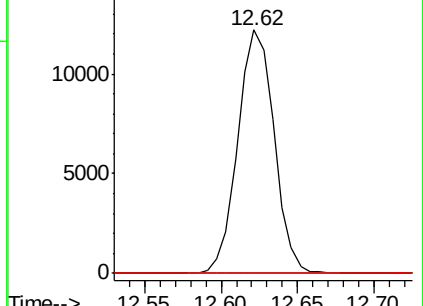
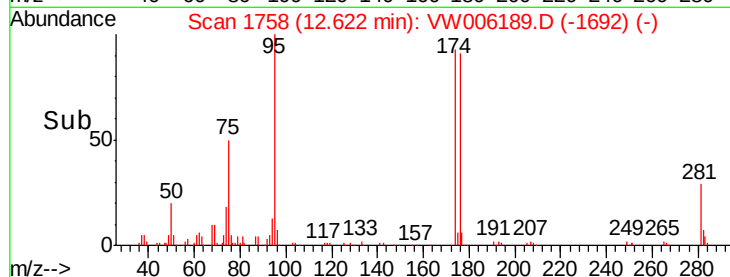
89 0.0 37.5 56.3#



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



#95

Naphthalene

Concen: 1.000 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

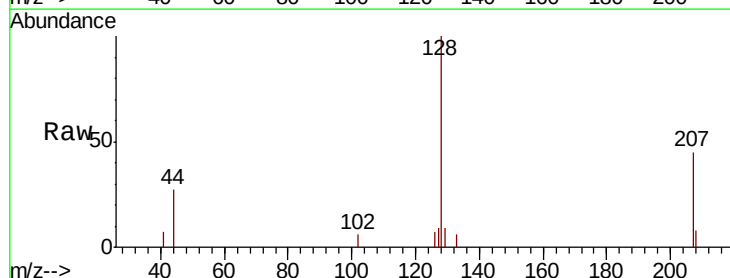
Tgt Ion:128 Resp: 1837

Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

129 8.1 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

