

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006187.D
 Acq On : 18 Oct 2018 20:11
 Operator : VA/AP
 Sample : J5565-01RE
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-1RE

Quant Time: Oct 19 06:03:58 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	64812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	90334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	68882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	28242	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	24924	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
35) Dibromofluoromethane	7.89	113	24606	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
50) Toluene-d8	10.33	98	92180	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	
62) 4-Bromofluorobenzene	12.62	95	27808	36.46	ug/l	0.00
Spiked Amount			Recovery	=	72.92%	

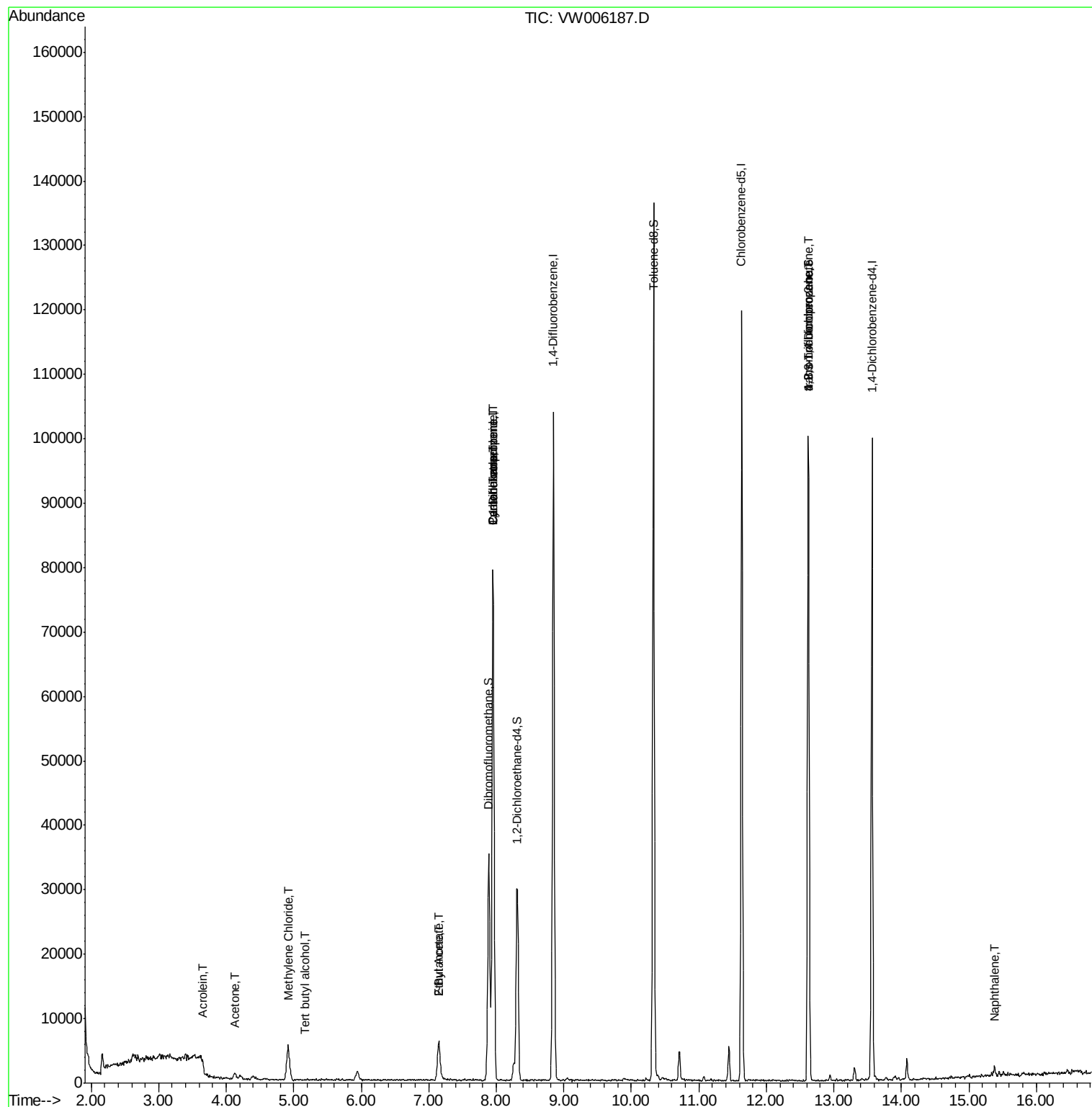
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	50	1.384	ug/l #	71
13) Acrolein	3.66	56	56	1.601	ug/l #	36
16) Acetone	4.13	43	1848	3.750	ug/l #	80
20) Methylene Chloride	4.92	84	3905	5.417	ug/l	94
25) 2-Butanone	7.15	43	337	2.322	ug/l #	46
31) Cyclohexane	7.96	56	1180	1.200	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4078	4.898	ug/l #	51
37) Ethyl Acetate	7.15	43	337	1.089	ug/l #	7
38) Carbon Tetrachloride	7.95	117	5720	6.267	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	14216	65.902	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	14216	157.533	ug/l #	10
95) Naphthalene	15.38	128	1757	1.582	ug/l #	92

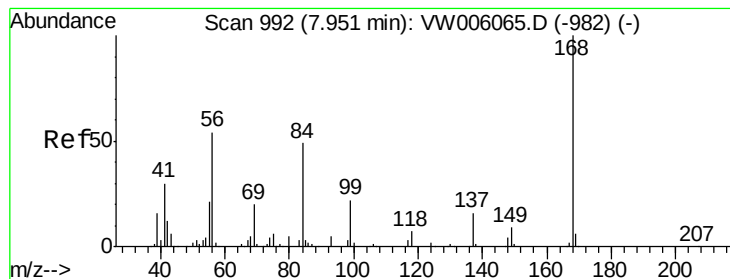
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RLF-SD-1RE

Quant Time: Oct 19 06:03:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
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: VW006187.D

Acq: 18 Oct 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

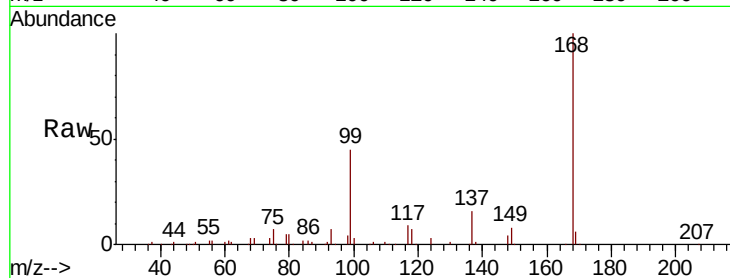
RLF-SD-1RE

Tot Ion:168 Resp: 64812

Ion Ratio Lower Upper

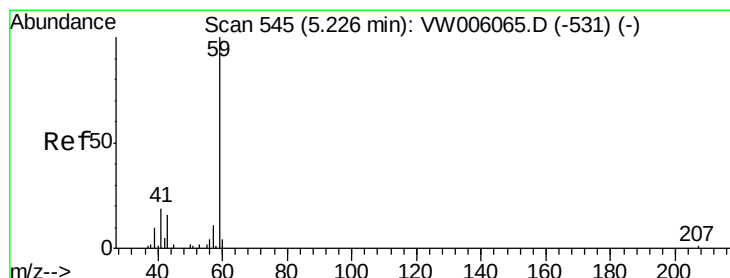
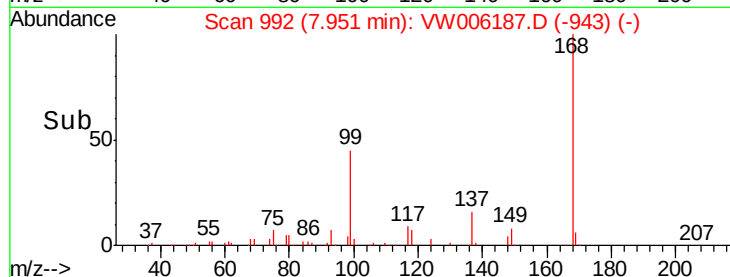
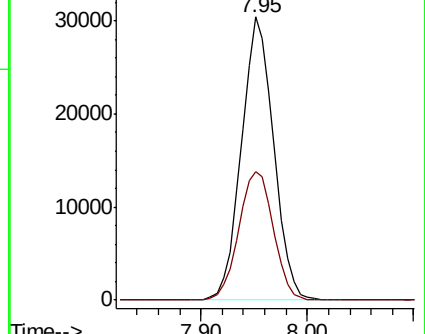
168 100

99 45.2 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: 1.384 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.05 min

Lab File: VW006187.D

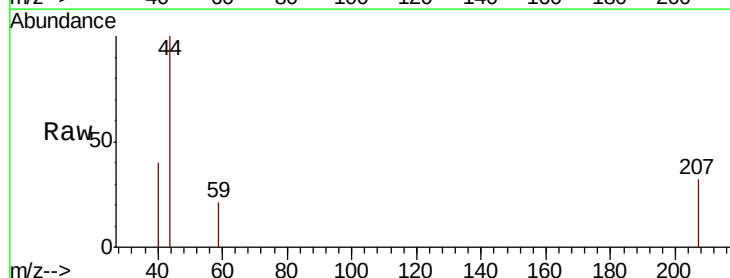
Acq: 18 Oct 2018 20:11

Tgt Ion: 59 Resp: 50

Ion Ratio Lower Upper

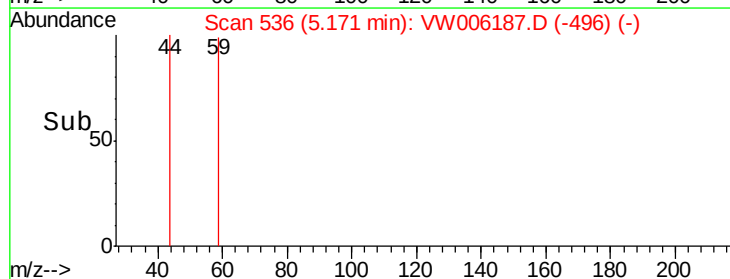
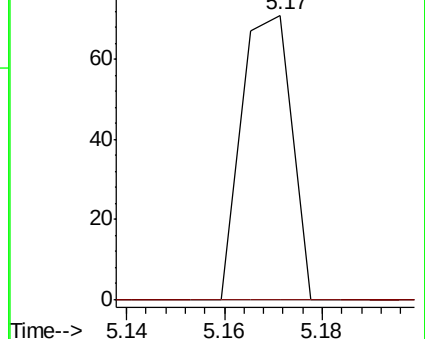
59 100

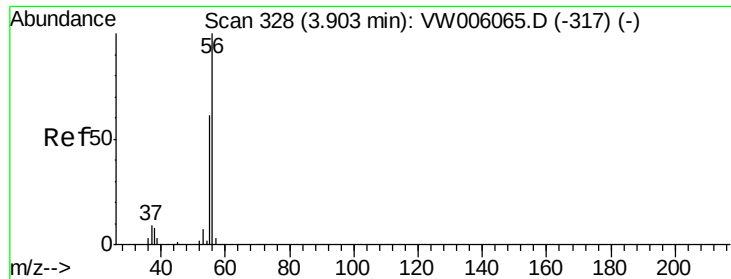
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.601 ug/l

RT: 3.66 min Scan# 288

Delta R.T. -0.24 min

Lab File: VW006187.D

Acq: 18 Oct 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

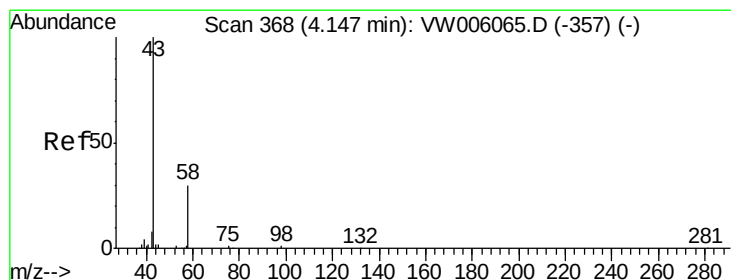
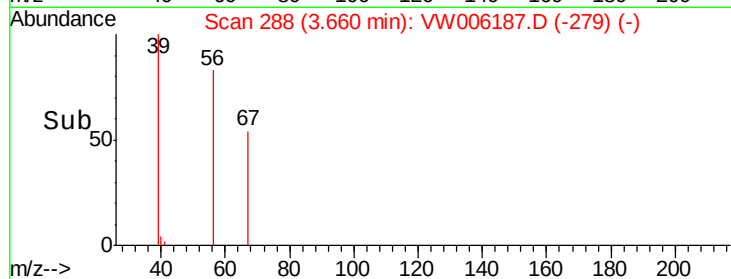
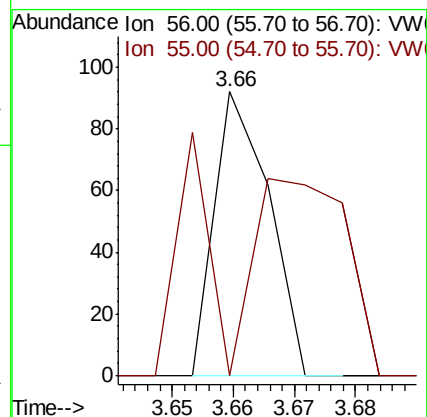
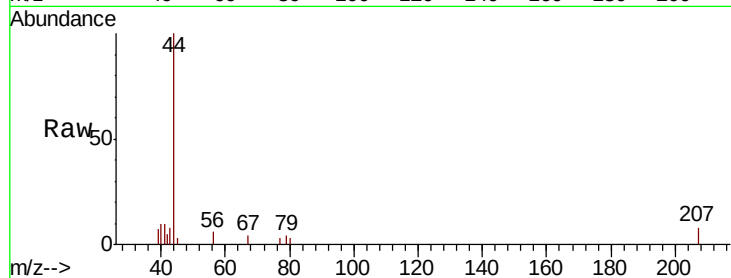
RLF-SD-1RE

Tot Ion: 56 Resp: 56

Ion Ratio Lower Upper

56 100

55 119.6 54.5 81.7#



#16

Acetone

Concen: 3.750 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006187.D

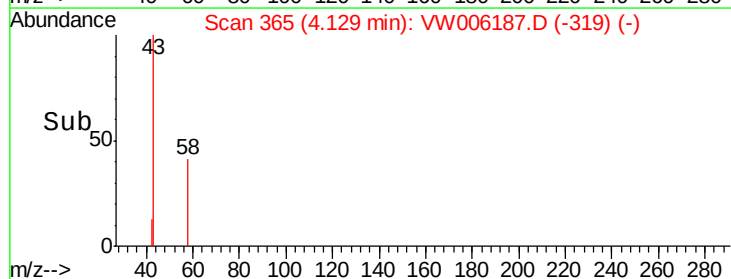
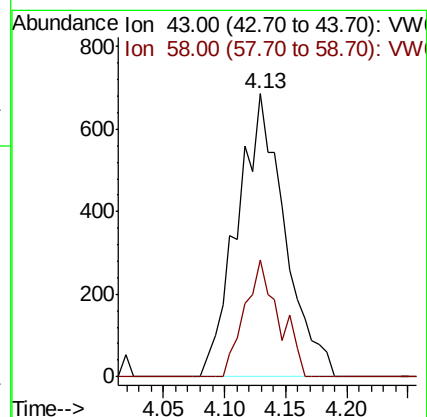
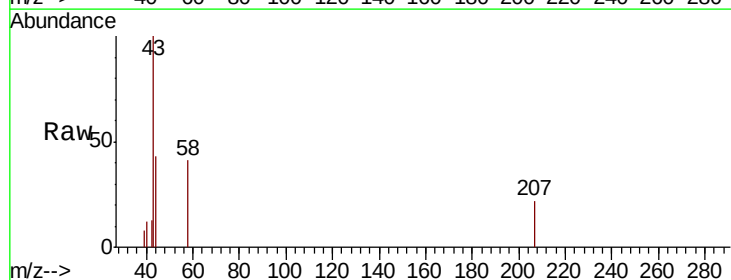
Acq: 18 Oct 2018 20:11

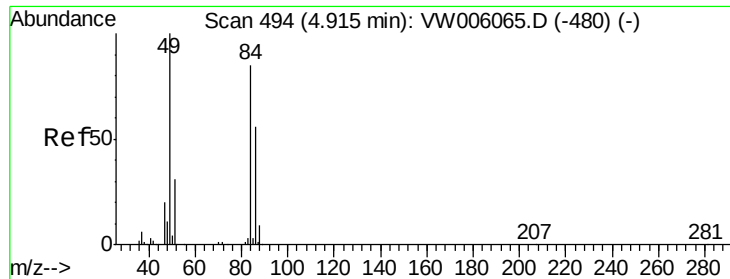
Tgt Ion: 43 Resp: 1848

Ion Ratio Lower Upper

43 100

58 41.1 24.0 36.0#

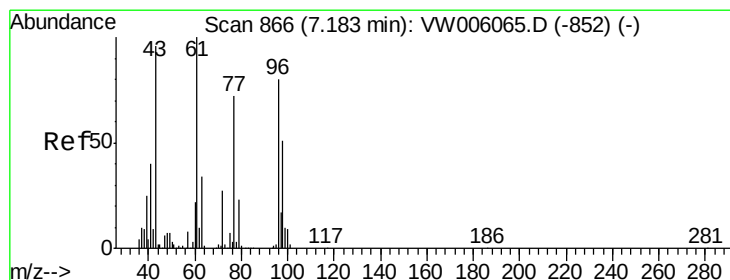
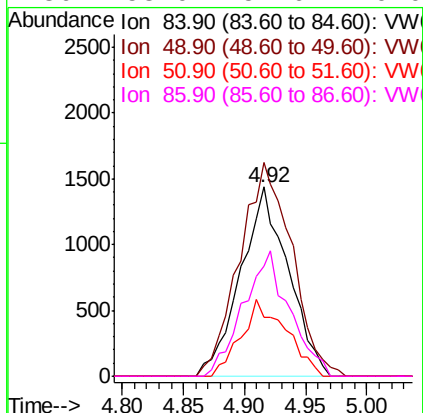
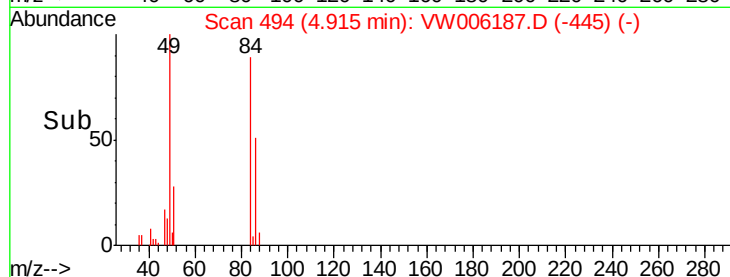
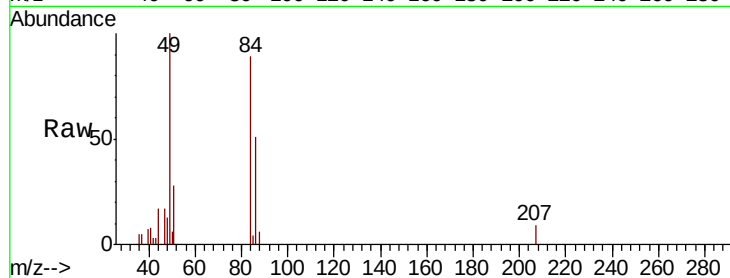




#20
Methylene Chloride
Concen: 5.417 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006187.D
Acq: 18 Oct 2018 20:11

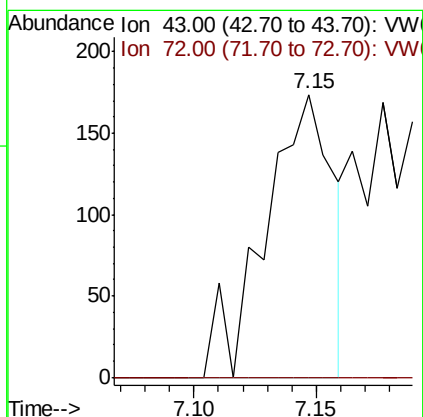
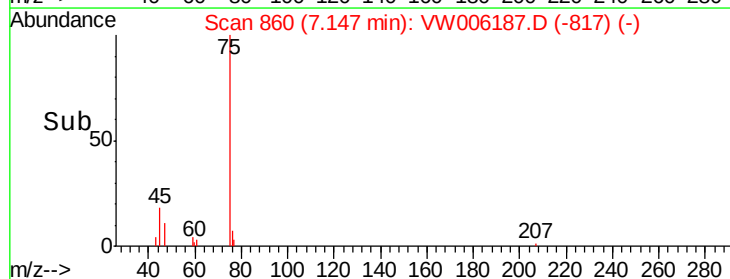
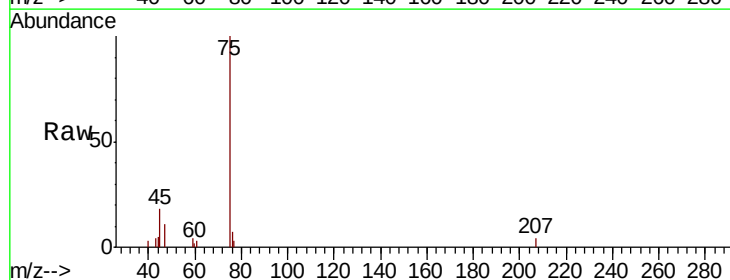
Instrument :
MSVOA_W
ClientSampled :
RLF-SD-1RE

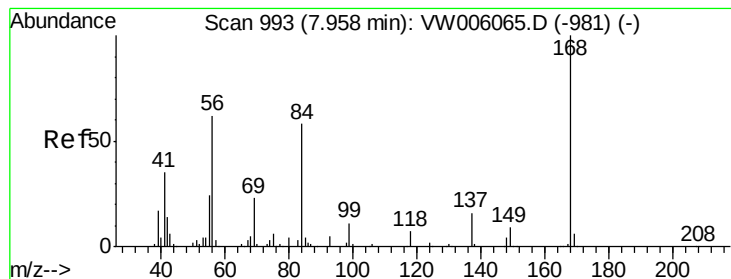
Tot Ion:	84	Resp:	3905
Ion	Ratio	Lower	Upper
84	100		
49	112.9	93.6	140.4
51	31.2	29.0	43.4
86	58.0	52.6	79.0



#25
2-Butanone
Concen: 2.322 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.04 min
Lab File: VW006187.D
Acq: 18 Oct 2018 20:11

Tgt Ion:	43	Resp:	337
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#





#31

Cyclohexane

Concen: 1.200 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006187.D

Acq: 18 Oct 2018 20:11

Instrument :

MSVOA_W

ClientSampled :

RLF-SD-1RE

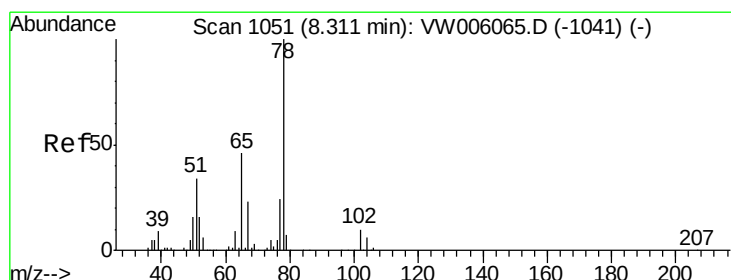
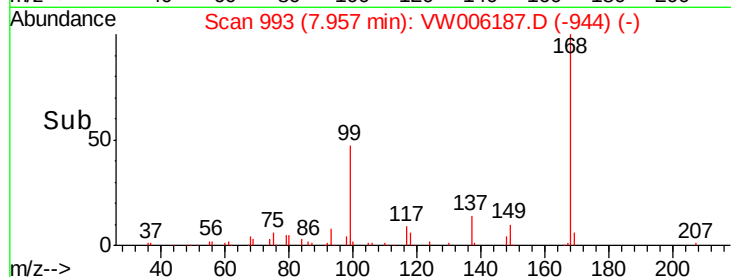
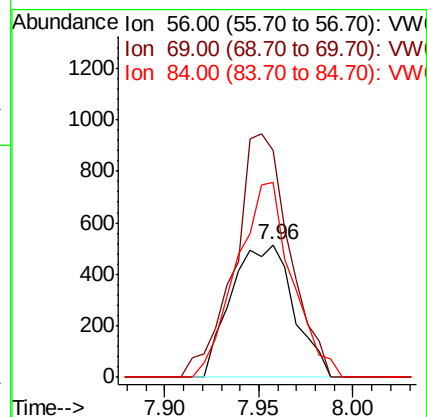
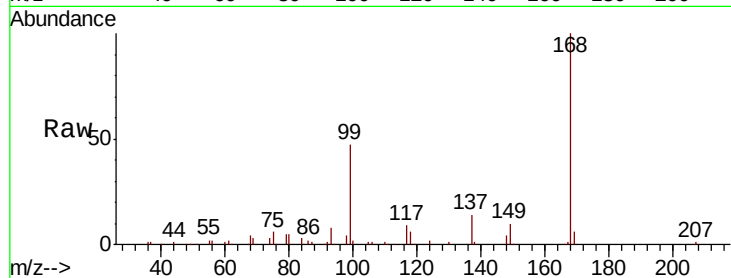
Tot Ion: 56 Resp: 1180

Ion Ratio Lower Upper

56 100

69 171.0 29.4 44.0#

84 147.7 74.0 111.0#



#33

1,2-Dichloroethane-d4

Concen: 46.385 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006187.D

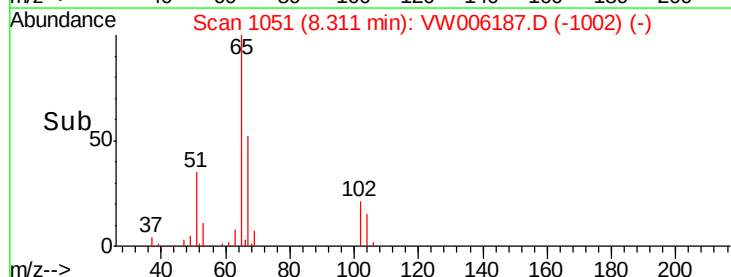
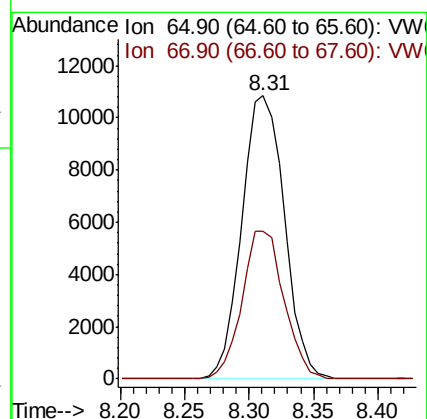
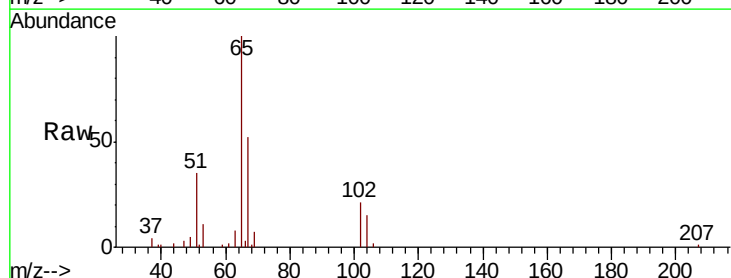
Acq: 18 Oct 2018 20:11

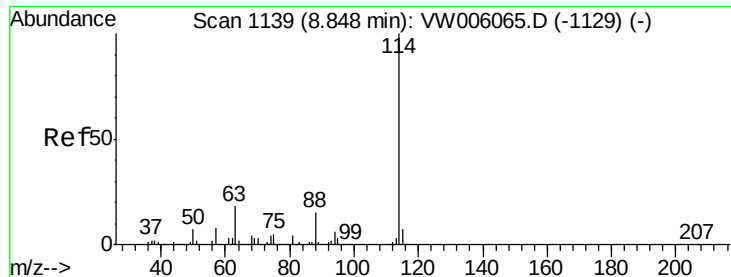
Tgt Ion: 65 Resp: 24924

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.0

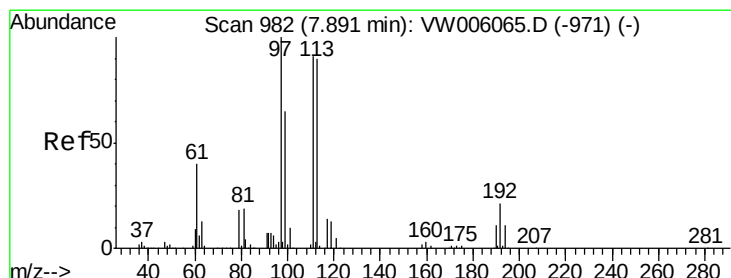
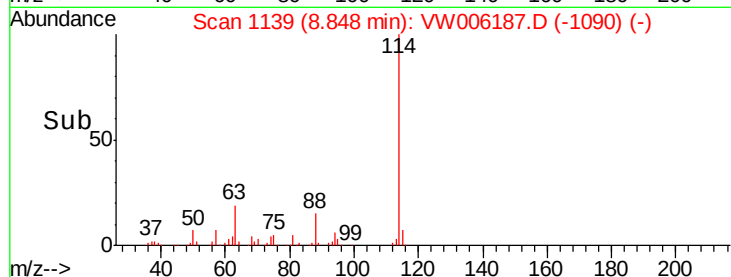
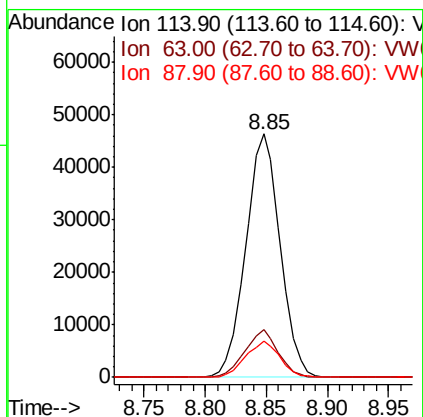
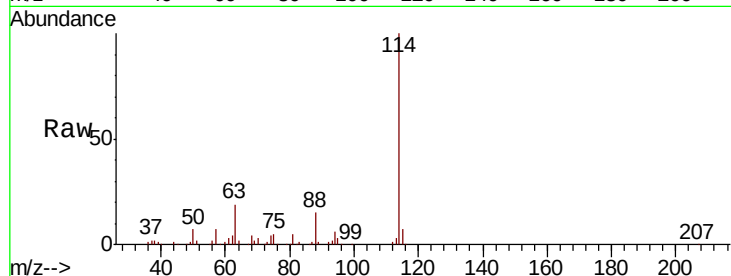




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006187.D
 Acq: 18 Oct 2018 20:11

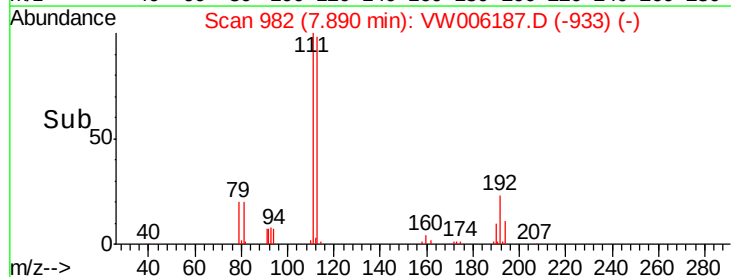
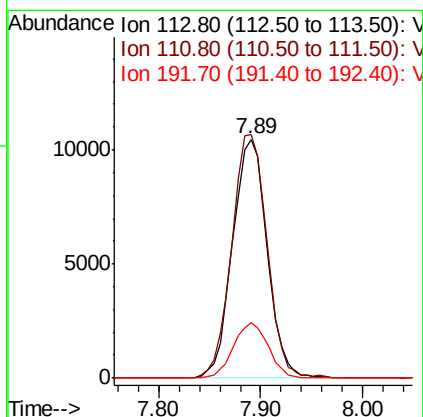
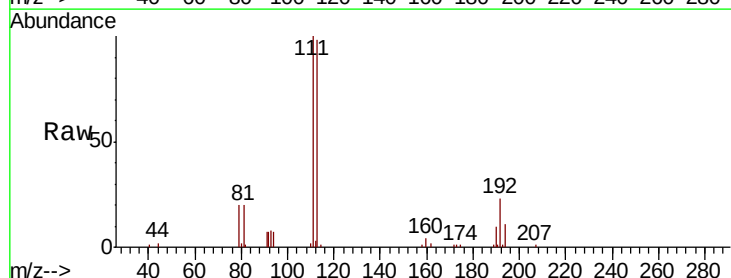
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-1RE

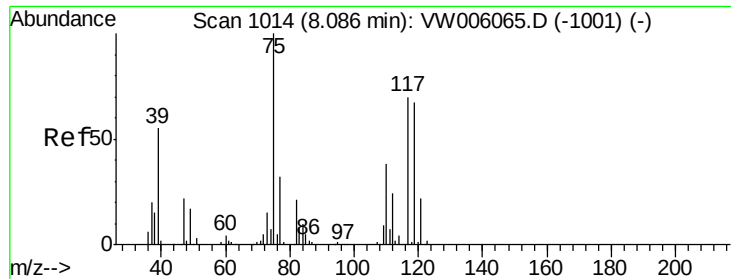
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	36.8
88	15.1	0.0	29.0



#35
 Dibromofluoromethane
 Concen: 46.098 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006187.D
 Acq: 18 Oct 2018 20:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.4	122.0
192	23.3	18.7	28.1

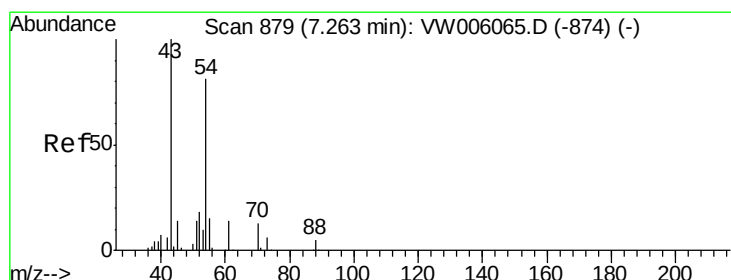
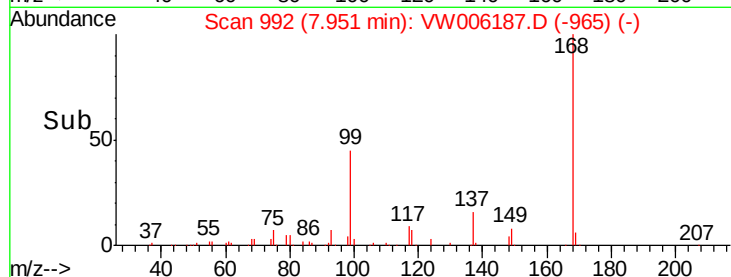
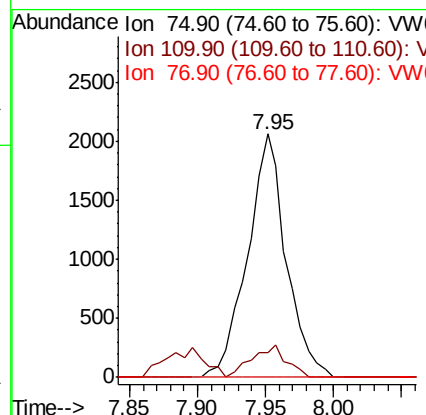
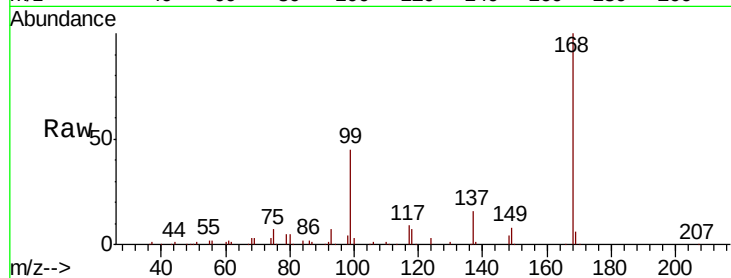




#36
 1,1-Dichloropropene
 Concen: 4.898 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006187.D
 Acq: 18 Oct 2018 20:11

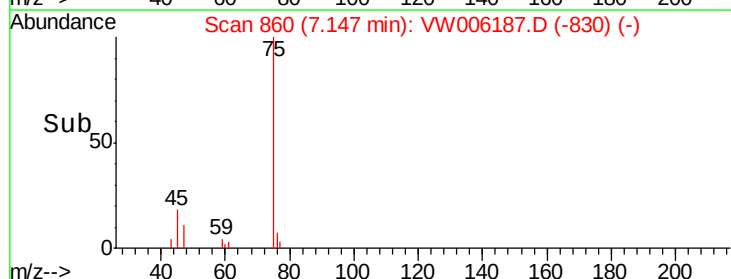
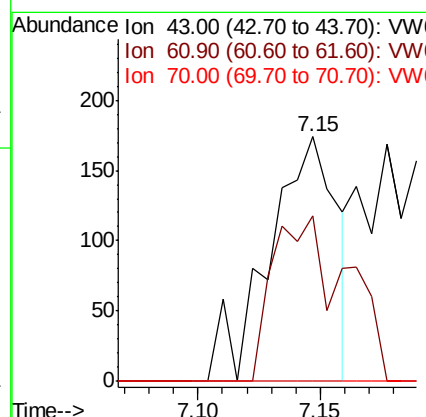
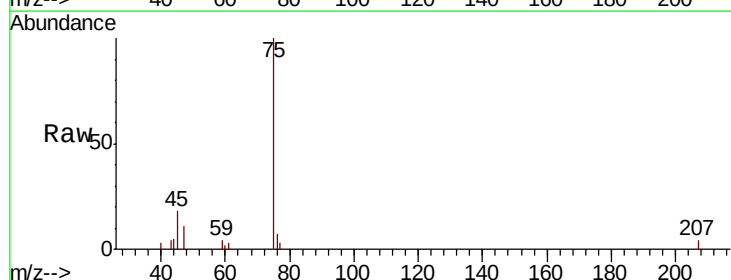
Instrument :
 MSVOA_W
 ClientSampled :
 RLF-SD-1RE

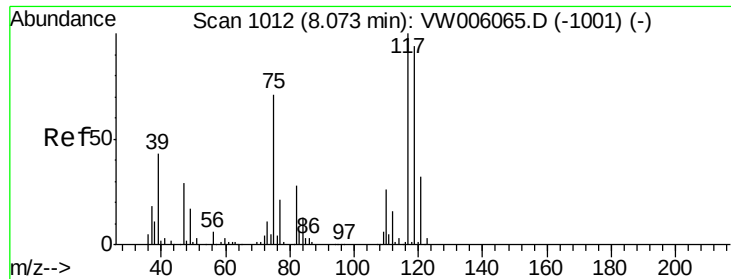
Tot Ion: 75 Resp: 4078
 Ion Ratio Lower Upper
 75 100
 110 11.9 19.1 57.1#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.089 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.12 min
 Lab File: VW006187.D
 Acq: 18 Oct 2018 20:11

Tgt Ion: 43 Resp: 337
 Ion Ratio Lower Upper
 43 100
 61 73.0 11.5 17.3#
 70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 6.267 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006187.D

Acq: 18 Oct 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-1RE

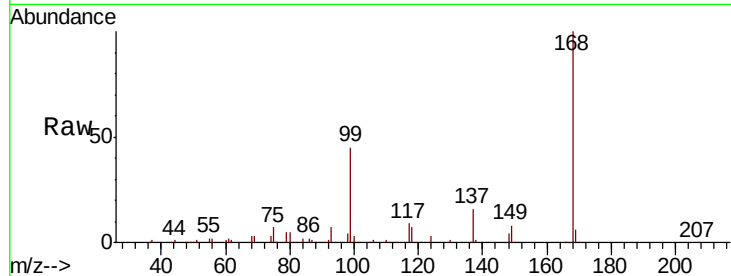
Tot Ion:117 Resp: 5720

Ion Ratio Lower Upper

117 100

119 2.6 75.2 112.8#

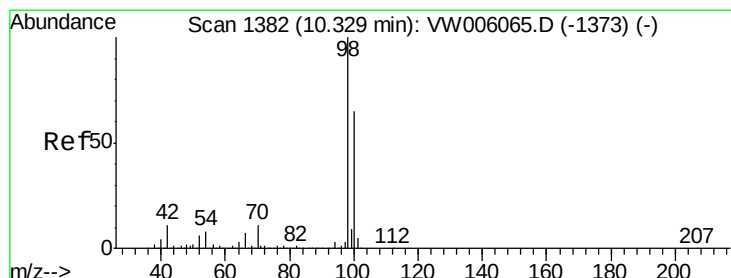
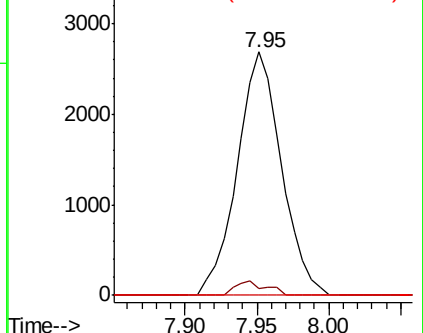
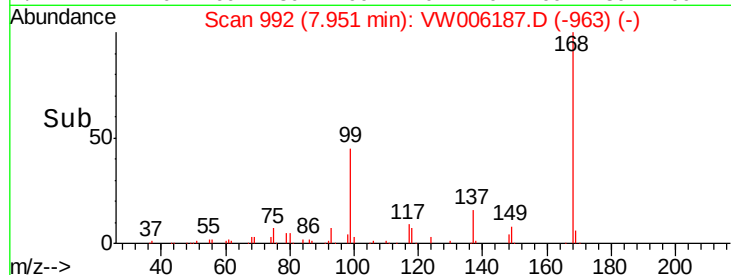
121 0.0 25.3 37.9#



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: 45.392 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006187.D

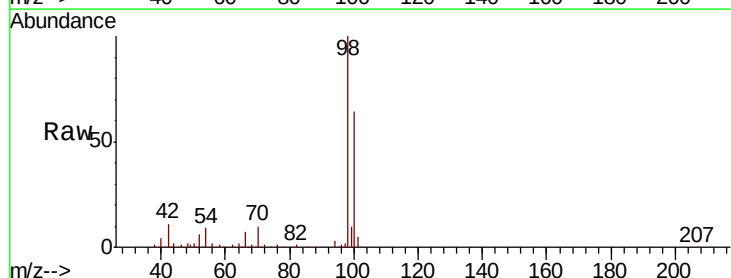
Acq: 18 Oct 2018 20:11

Tgt Ion: 98 Resp: 92180

Ion Ratio Lower Upper

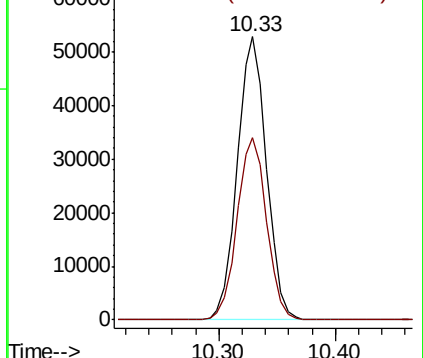
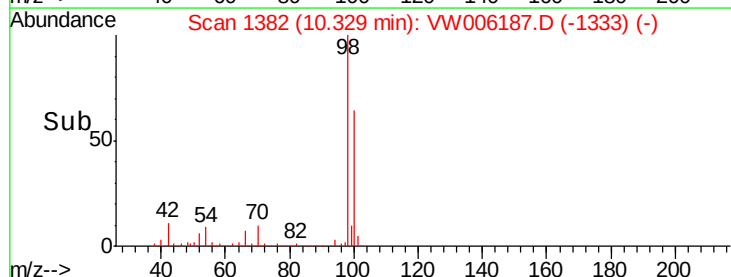
98 100

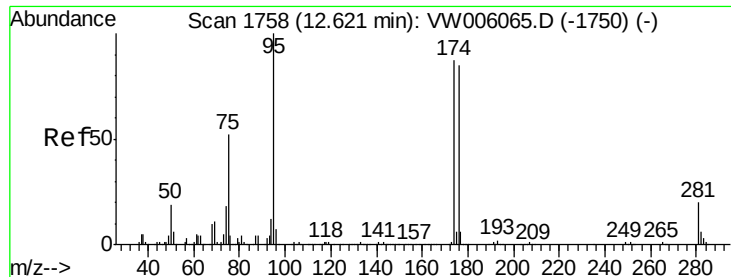
100 64.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

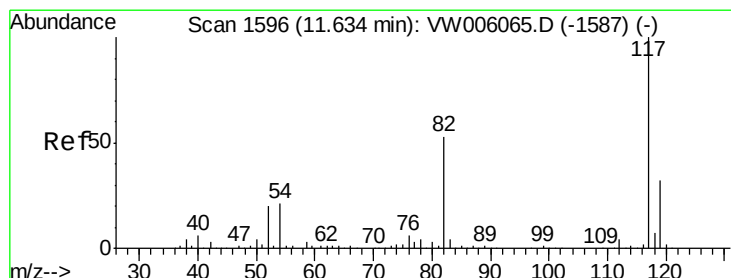
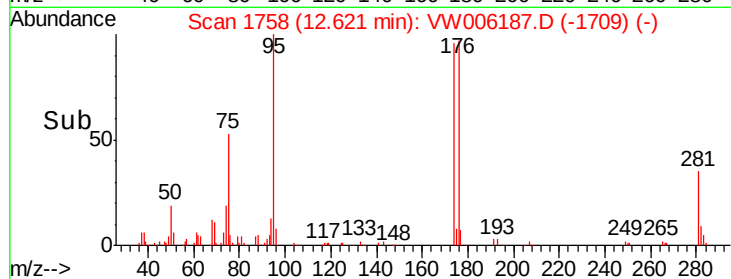
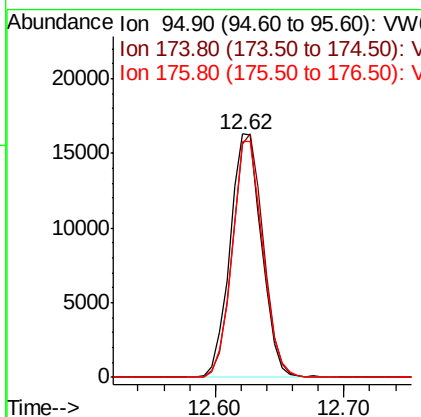
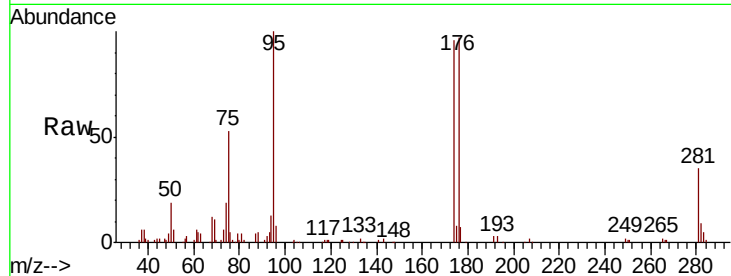




#62
4-Bromofluorobenzene
Concen: 36.458 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006187.D
Acq: 18 Oct 2018 20:11

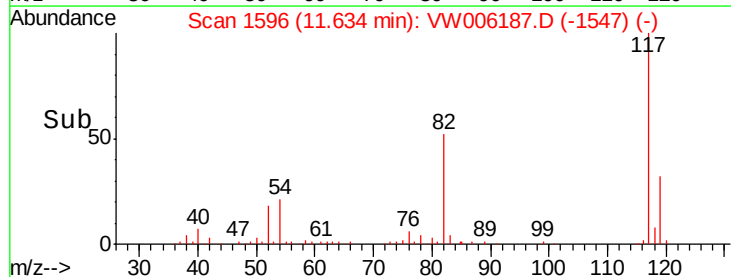
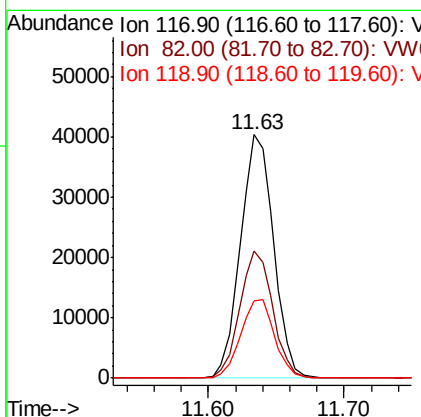
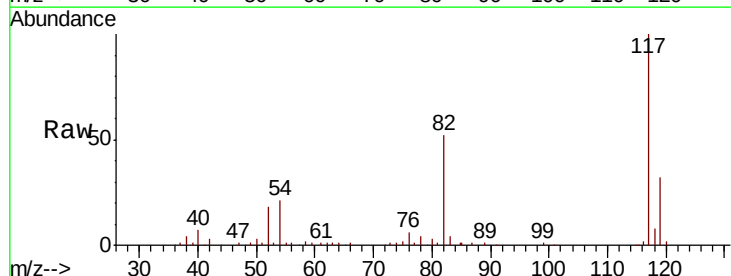
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-1RE

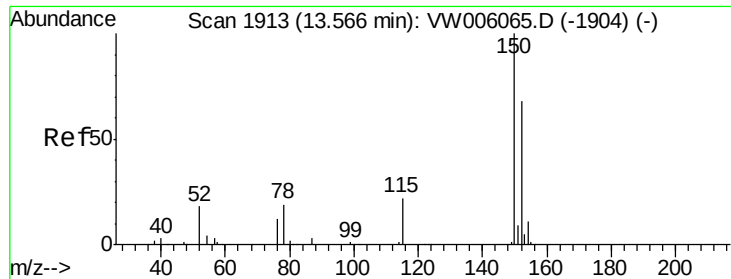
Tot Ion: 95 Resp: 27808
Ion Ratio Lower Upper
95 100
174 96.0 0.0 186.0
176 93.6 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006187.D
Acq: 18 Oct 2018 20:11

Tgt Ion: 117 Resp: 68882
Ion Ratio Lower Upper
117 100
82 52.2 42.1 63.1
119 31.8 25.8 38.6



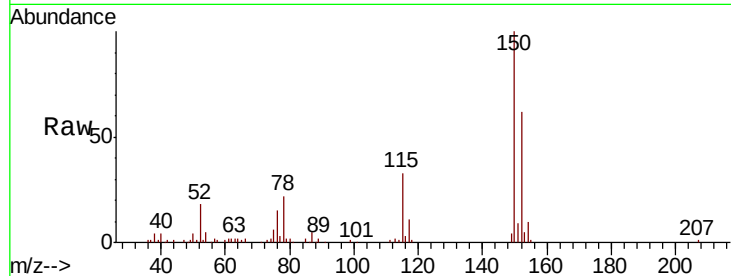


#72

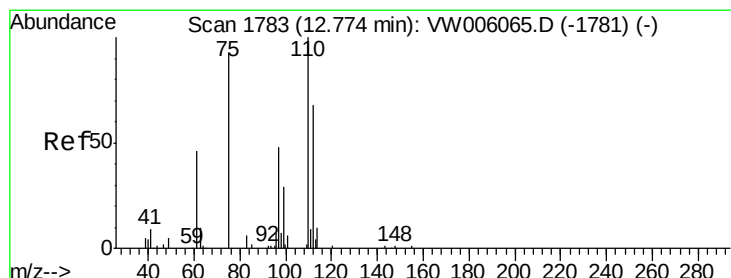
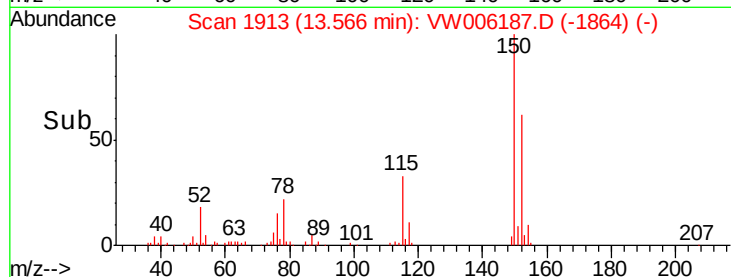
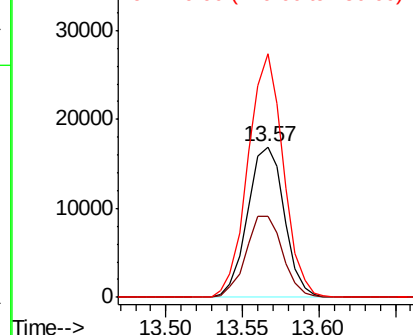
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006187.D
Acq: 18 Oct 2018 20:11

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-1RE

Tot Ion:152 Resp: 28242
Ion Ratio Lower Upper
152 100
115 54.0 27.8 83.3
150 155.2 0.0 349.2



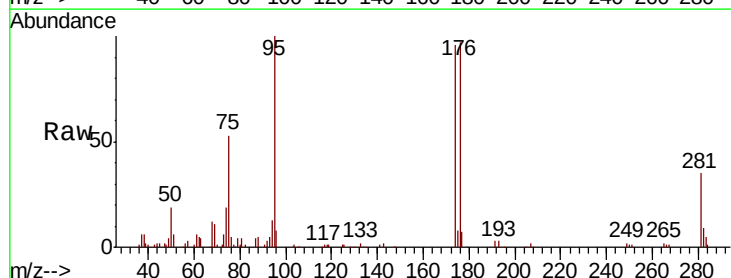
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



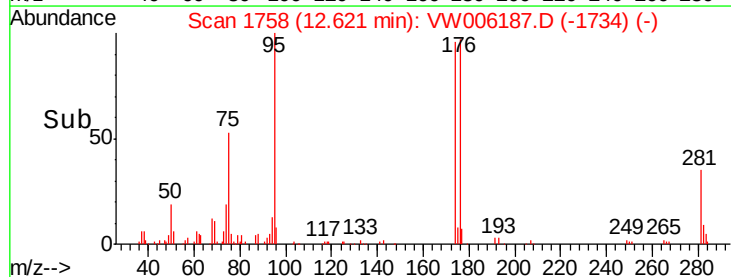
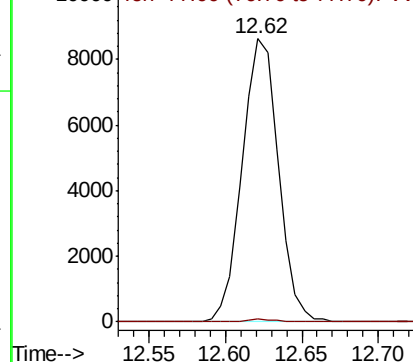
#76

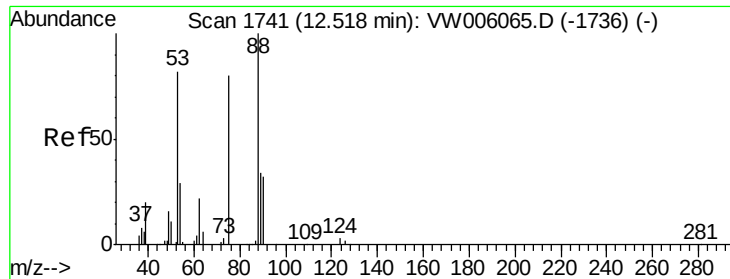
1,2,3-Trichloropropane
Concen: 65.902 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006187.D
Acq: 18 Oct 2018 20:11

Tgt Ion: 75 Resp: 14216
Ion Ratio Lower Upper
75 100
77 0.8 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: 157.533 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006187.D

Acq: 18 Oct 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-1RE

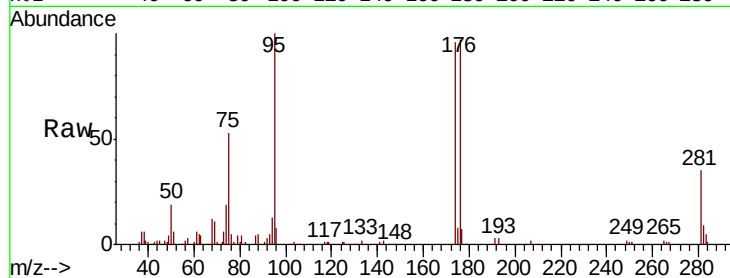
Tot Ion: 75 Resp: 14216

Ion Ratio Lower Upper

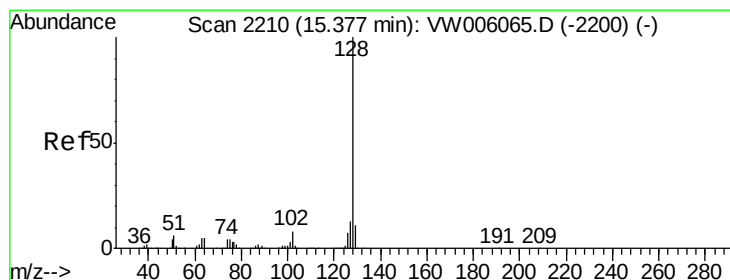
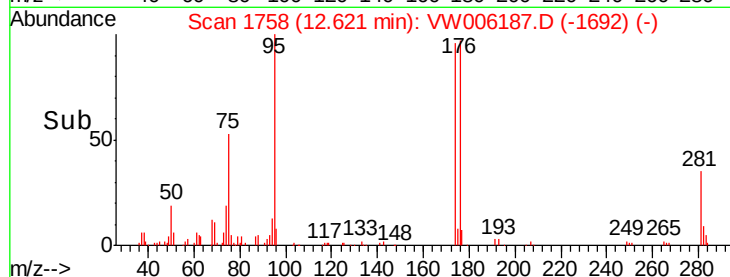
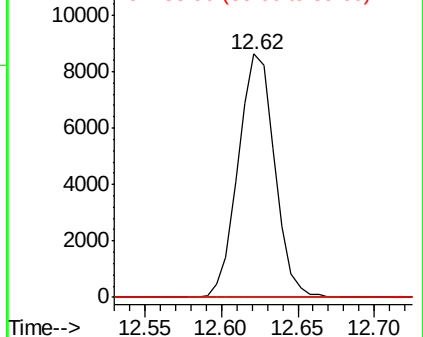
75 100

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: 1.582 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006187.D

Acq: 18 Oct 2018 20:11

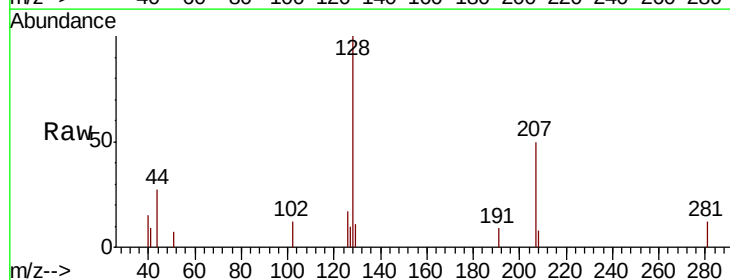
Tgt Ion: 128 Resp: 1757

Ion Ratio Lower Upper

128 100

127 9.4 10.3 15.5#

129 8.0 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

