

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006158.D
 Acq On : 18 Oct 2018 07:05
 Operator : VA/AP
 Sample : J5565-02
 Misc : 5.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-3

Quant Time: Oct 18 10:51:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	35466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	50255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	30871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	10942	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	14283	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	7.88	113	12101	40.75	ug/l	0.00
Spiked Amount			Recovery	=	81.50%	
50) Toluene-d8	10.33	98	36833	32.60	ug/l	0.00
Spiked Amount			Recovery	=	65.20%	
62) 4-Bromofluorobenzene	12.62	95	12373	29.16	ug/l	0.00
Spiked Amount			Recovery	=	58.32%	

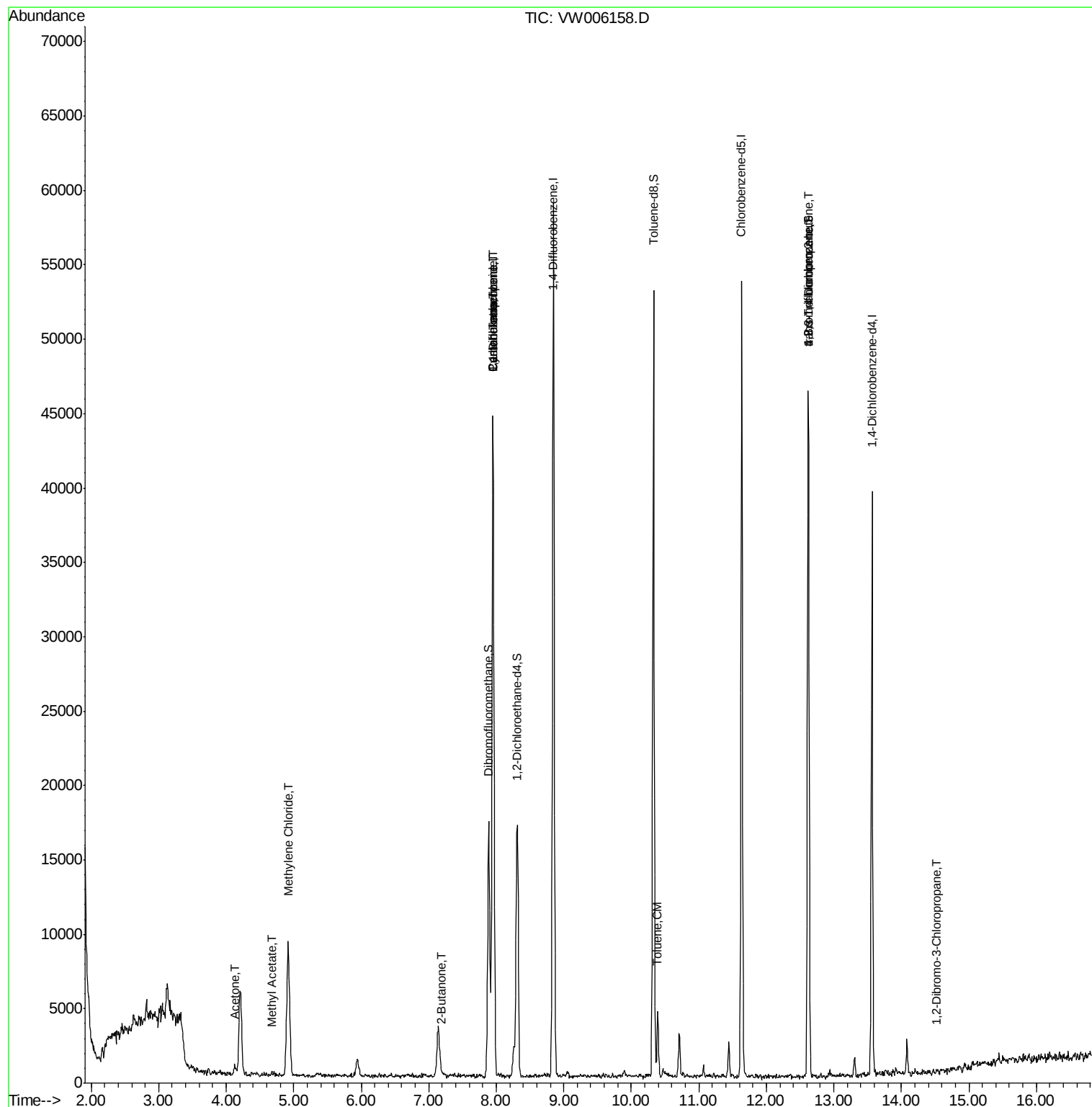
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	1284	9.01	ug/l	91
18) Methyl Acetate	4.68	43	221	1.49	ug/l #	49
20) Methylene Chloride	4.92	84	6945	21.39	ug/l #	89
25) 2-Butanone	7.19	43	192	2.42	ug/l #	46
31) Cyclohexane	7.95	56	707	1.31	ug/l #	33
36) 1,1-Dichloropropene	7.96	75	2408	5.20	ug/l #	47
38) Carbon Tetrachloride	7.95	117	3215	6.33	ug/l #	13
52) Toluene	10.39	92	1984	2.33	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	6527	78.10	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	6527	186.68	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.52	75	75	3.56	ug/l #	1

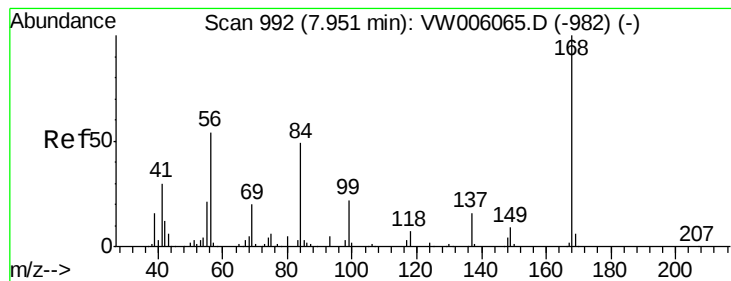
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006158.D

Acq: 18 Oct 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

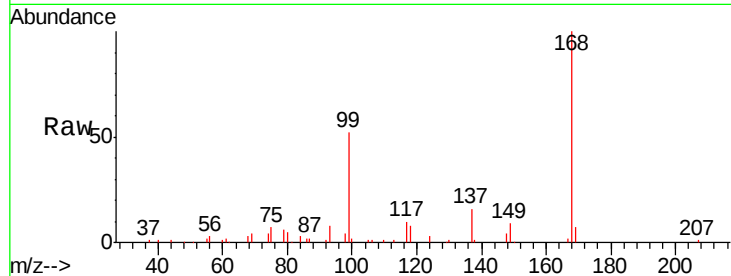
RLF-SD-3

Tgt Ion:168 Resp: 35466

Ion Ratio Lower Upper

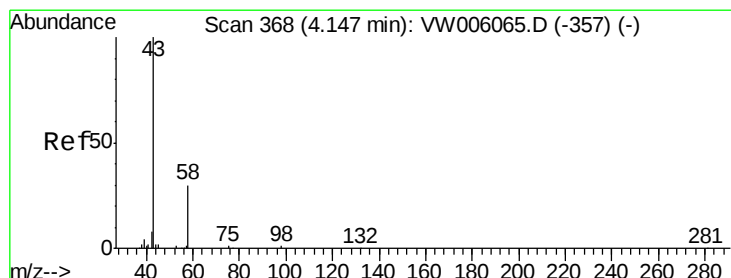
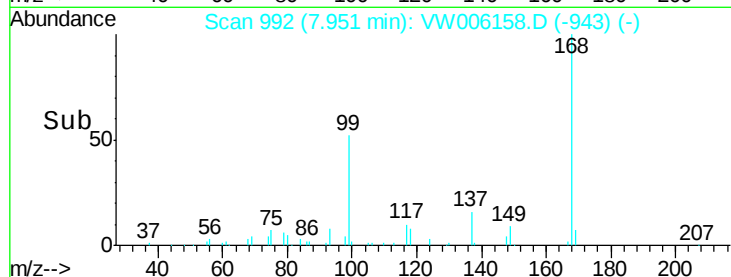
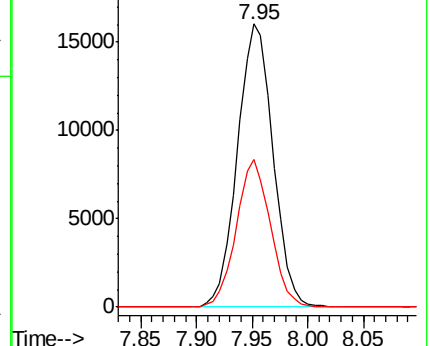
168 100

99 52.2 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: 9.01 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006158.D

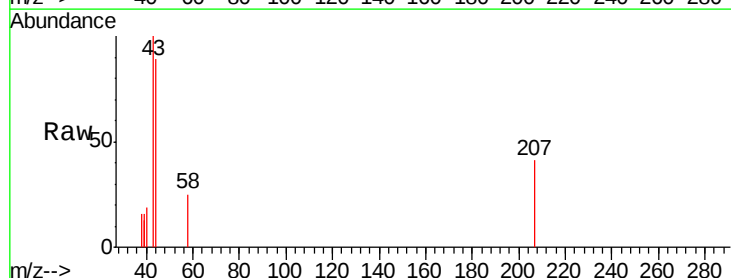
Acq: 18 Oct 2018 07:05

Tgt Ion: 43 Resp: 1284

Ion Ratio Lower Upper

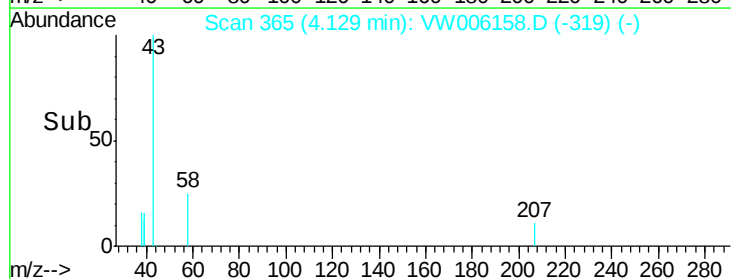
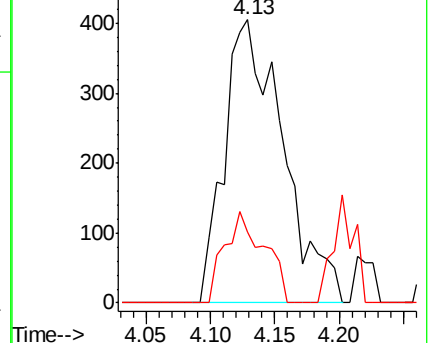
43 100

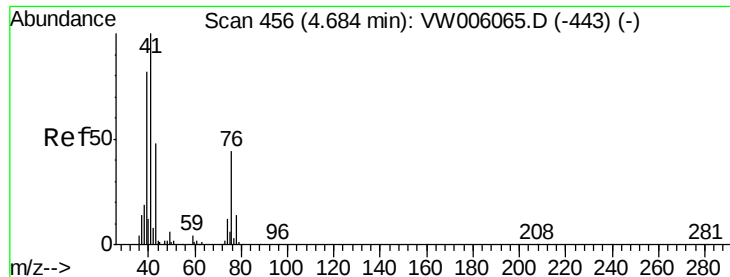
58 24.9 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

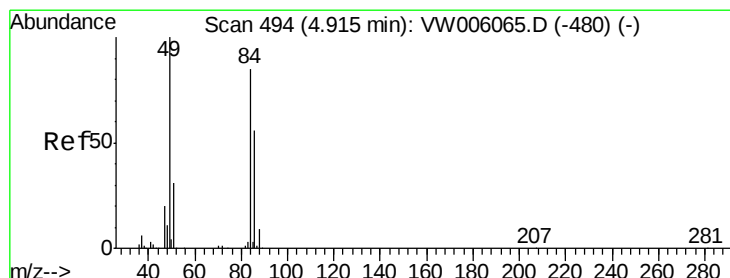
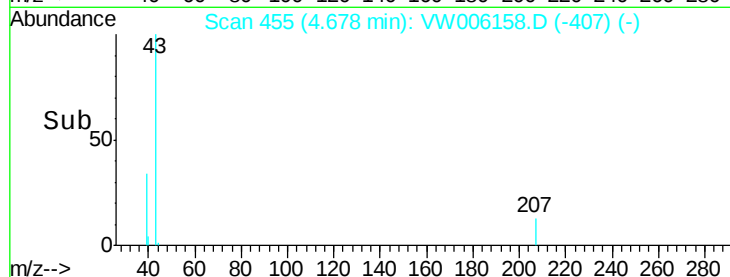
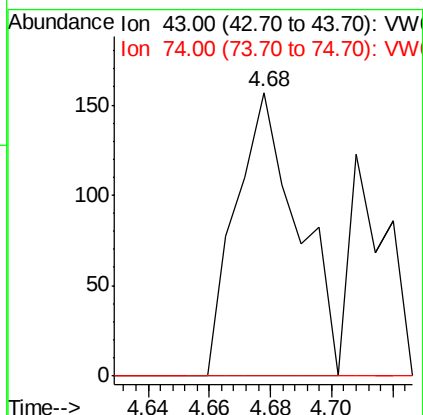
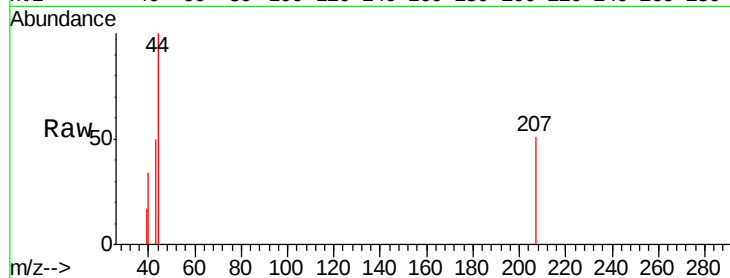




#18
Methyl Acetate
Concen: 1.49 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006158.D
Acq: 18 Oct 2018 07:05

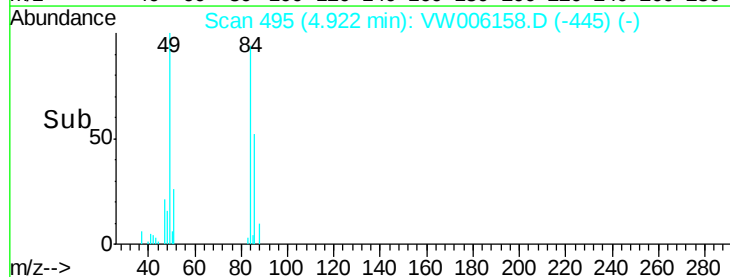
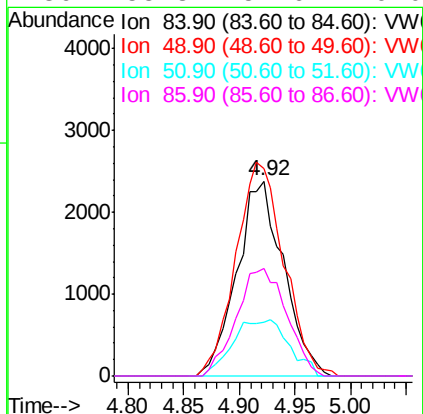
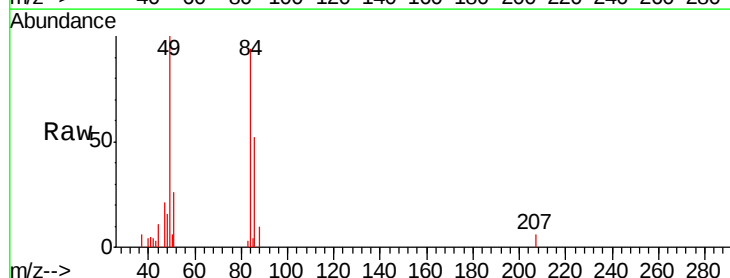
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-3

Tgt Ion: 43 Resp: 221
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#



#20
Methylene Chloride
Concen: 21.39 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW006158.D
Acq: 18 Oct 2018 07:05

Tgt Ion: 84 Resp: 6945
Ion Ratio Lower Upper
84 100
49 106.5 93.6 140.4
51 27.8 29.0 43.4#
86 55.3 52.6 79.0





#25

2-Butanone

Concen: 2.42 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006158.D

Acq: 18 Oct 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

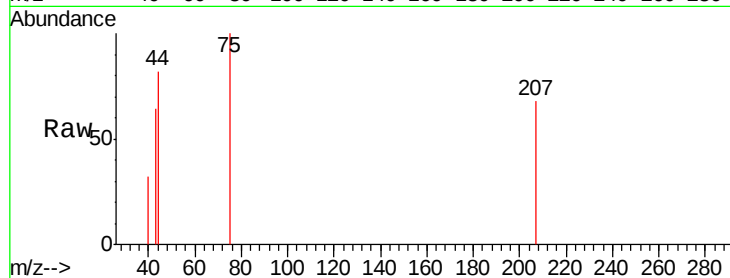
RLF-SD-3

Tgt Ion: 43 Resp: 192

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

7.19

150

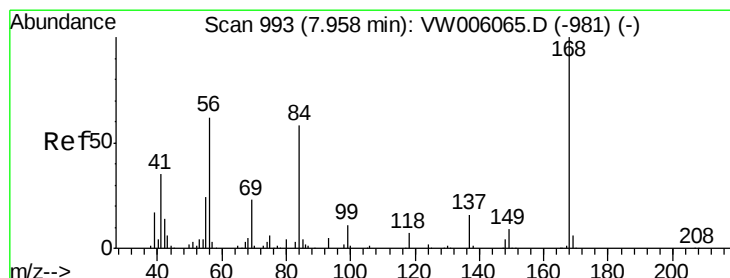
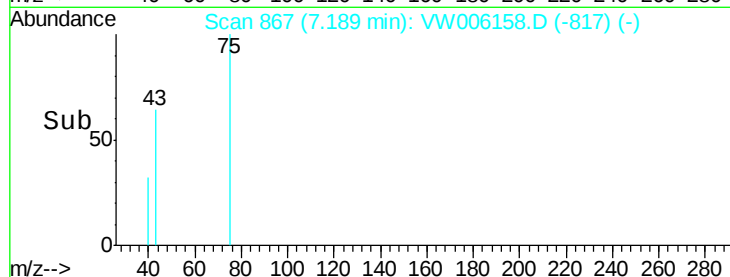
100

50

0

7.16 7.18 7.20 7.22

Time-->



#31

Cyclohexane

Concen: 1.31 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006158.D

Acq: 18 Oct 2018 07:05

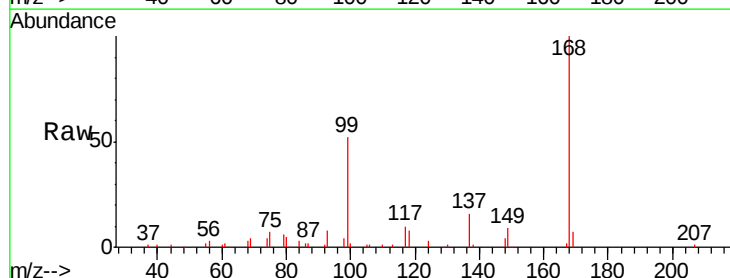
Tgt Ion: 56 Resp: 707

Ion Ratio Lower Upper

56 100

69 167.5 29.4 44.0#

84 98.3 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

800

600

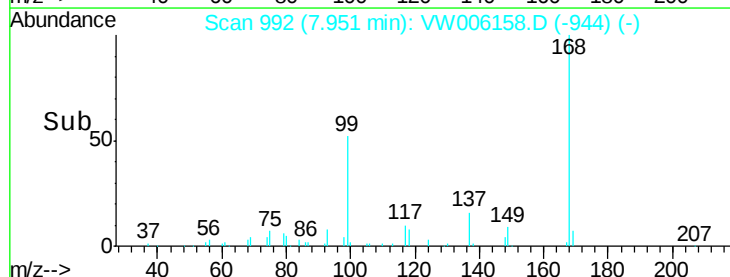
400

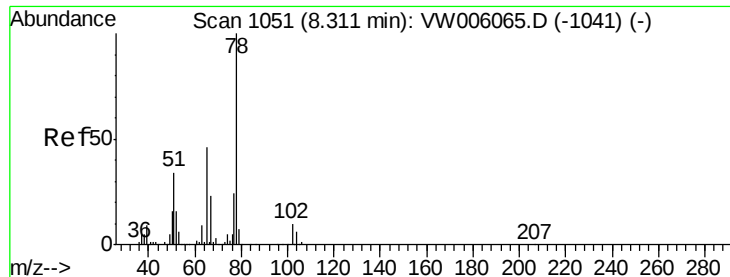
200

0

7.90 7.95 8.00

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.58 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006158.D

Acq: 18 Oct 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

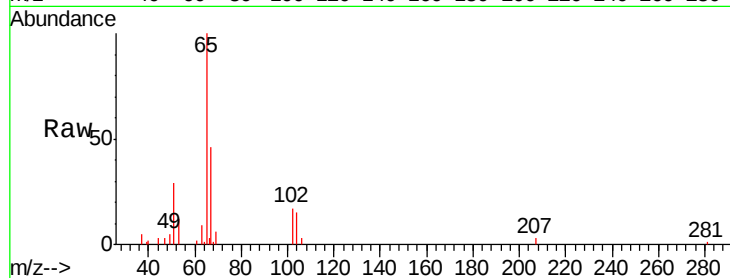
RLF-SD-3

Tgt Ion: 65 Resp: 14283

Ion Ratio Lower Upper

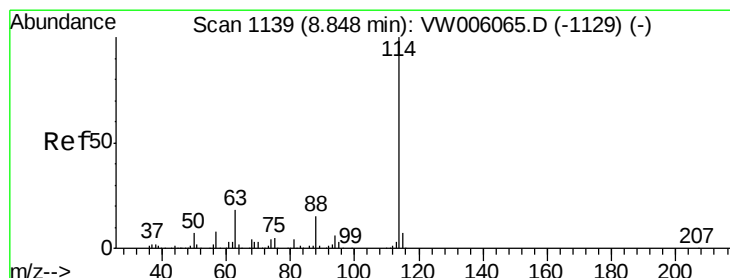
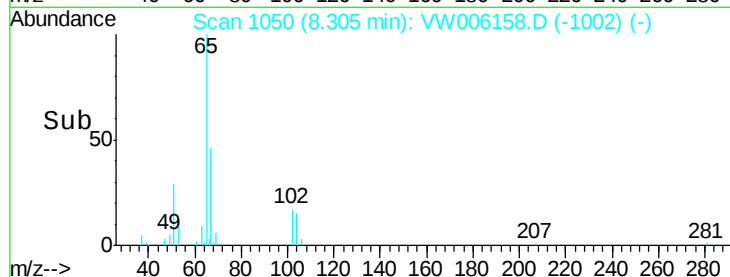
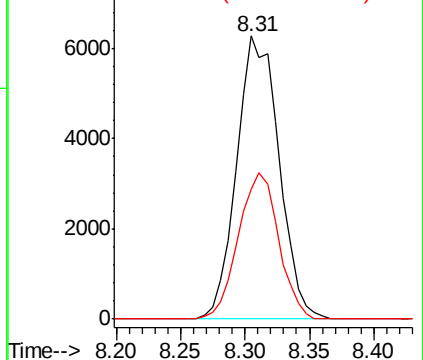
65 100

67 49.1 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006158.D

Acq: 18 Oct 2018 07:05

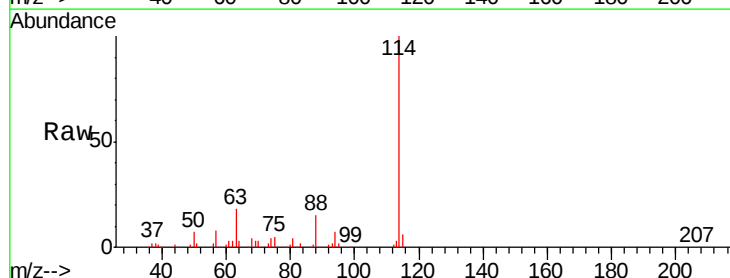
Tgt Ion: 114 Resp: 50255

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

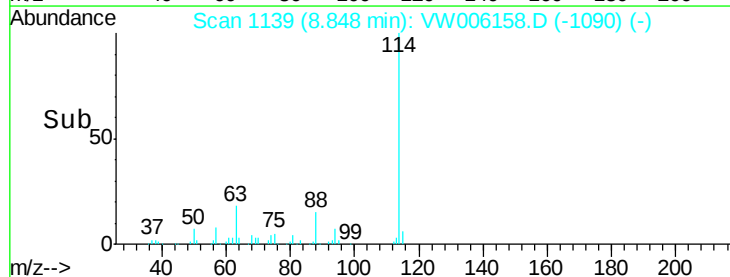
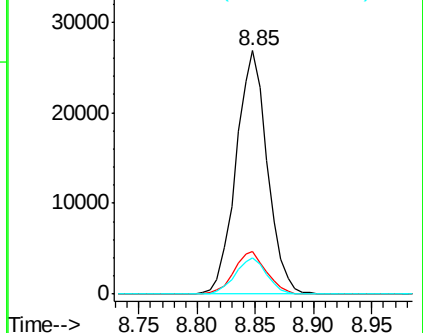
88 14.9 0.0 29.0



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

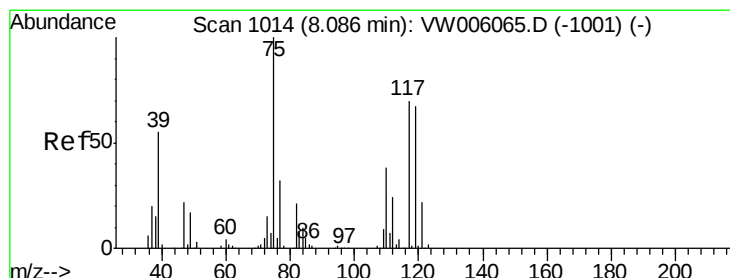
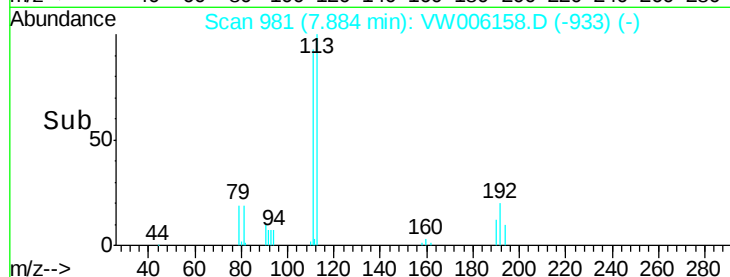
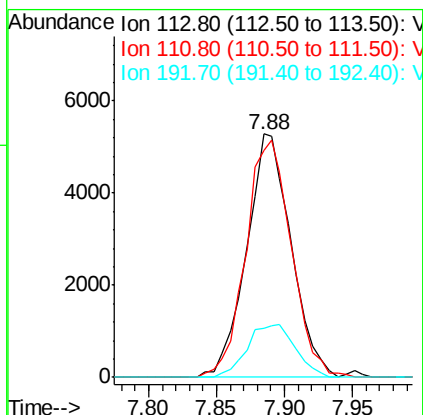
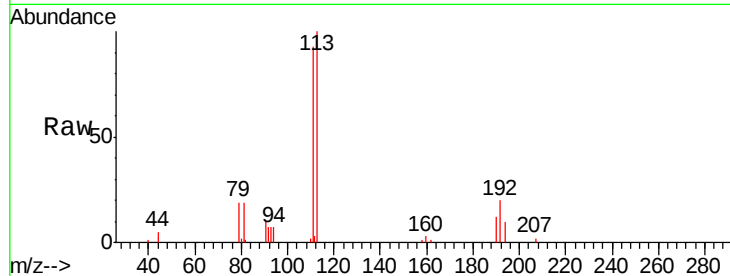




#35
 Dibromofluoromethane
 Concen: 40.75 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006158.D
 Acq: 18 Oct 2018 07:05

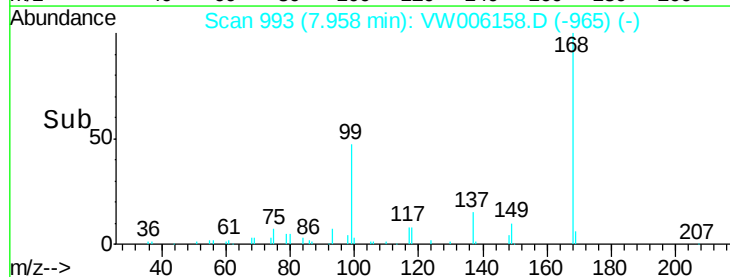
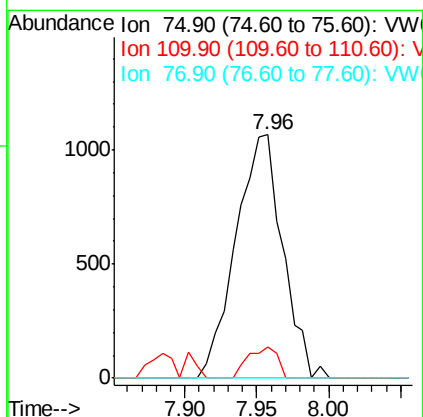
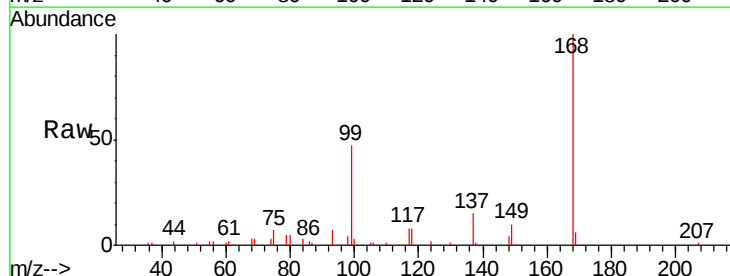
Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-3

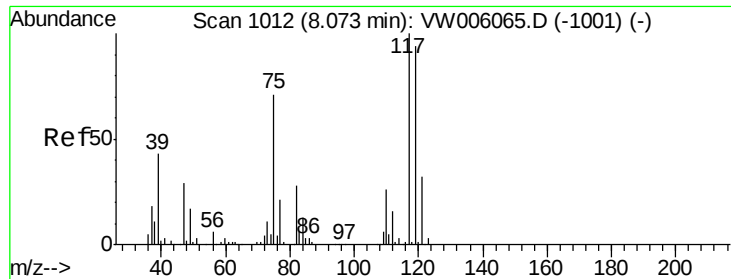
Tgt Ion:113 Resp: 12101
 Ion Ratio Lower Upper
 113 100
 111 99.8 81.4 122.0
 192 23.3 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 5.20 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW006158.D
 Acq: 18 Oct 2018 07:05

Tgt Ion: 75 Resp: 2408
 Ion Ratio Lower Upper
 75 100
 110 7.9 19.1 57.1#
 77 0.0 25.0 37.4#

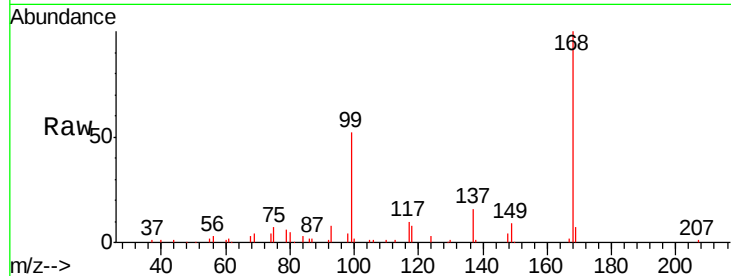




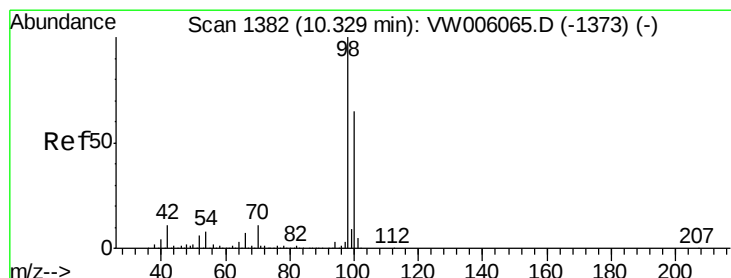
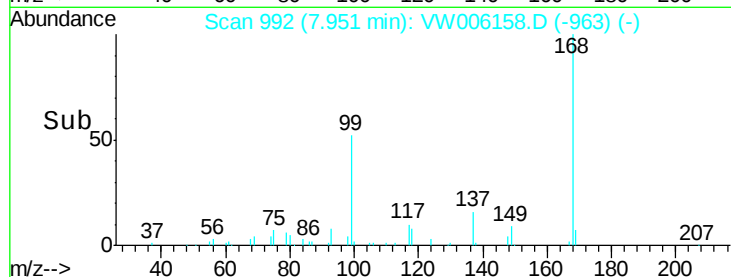
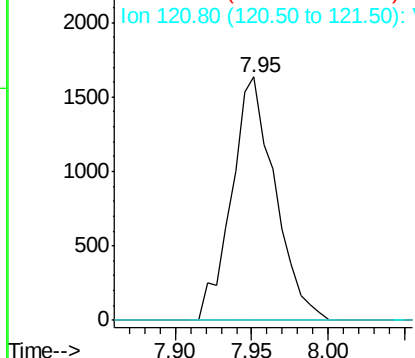
#38
Carbon Tetrachloride
Concen: 6.33 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006158.D
Acq: 18 Oct 2018 07:05

Instrument :
MSVOA_W
ClientSampled :
RLF-SD-3

Tgt Ion:117 Resp: 3215
Ion Ratio Lower Upper
117 100
119 0.0 75.2 112.8#
121 0.0 25.3 37.9#

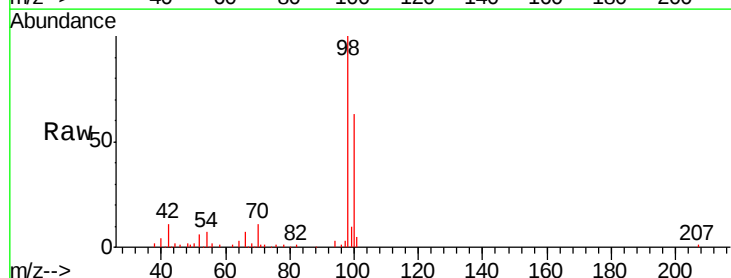


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

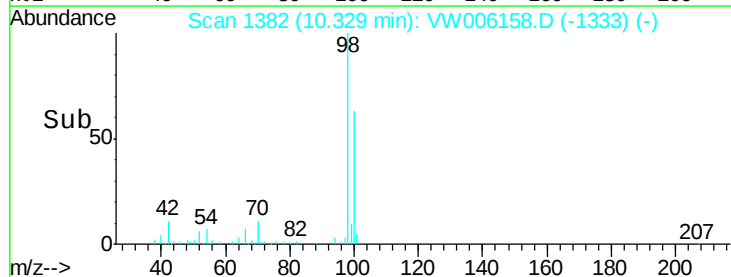
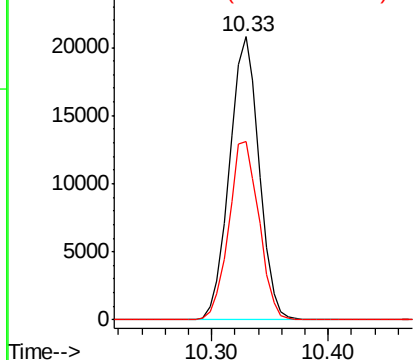


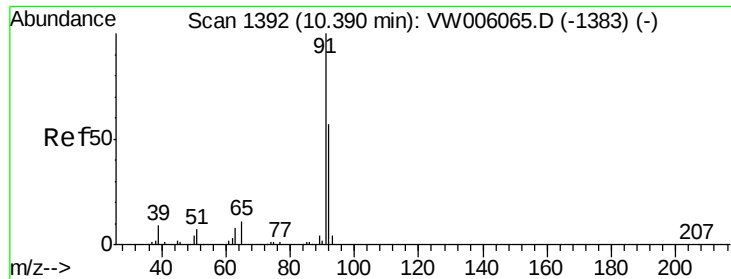
#50
Toluene-d8
Concen: 32.60 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006158.D
Acq: 18 Oct 2018 07:05

Tgt Ion: 98 Resp: 36833
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



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





#52

Toluene

Concen: 2.33 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006158.D

Acq: 18 Oct 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

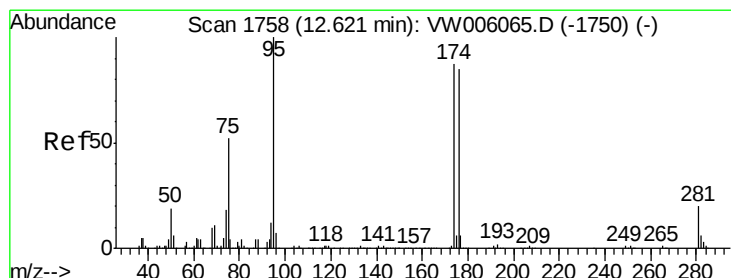
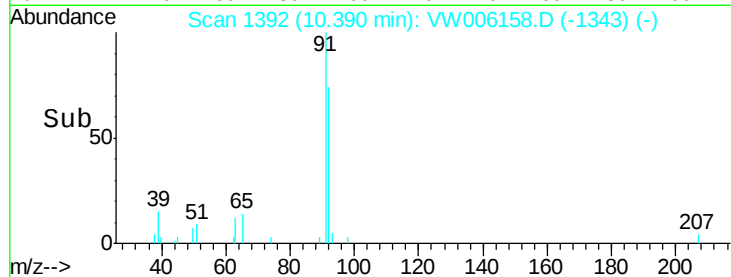
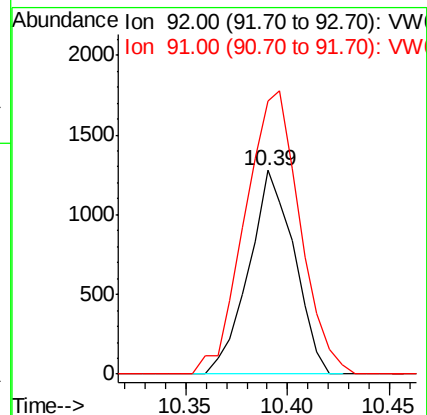
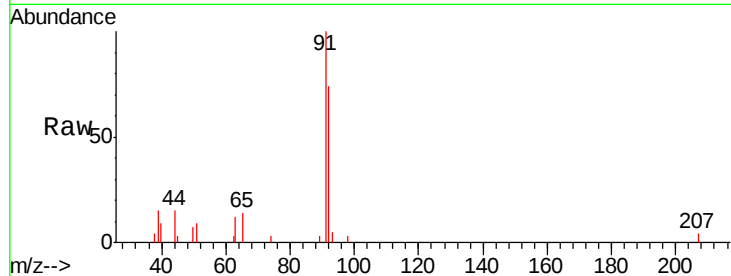
RLF-SD-3

Tgt Ion: 92 Resp: 1984

Ion Ratio Lower Upper

92 100

91 167.2 140.0 210.0



#62

4-Bromofluorobenzene

Concen: 29.16 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006158.D

Acq: 18 Oct 2018 07:05

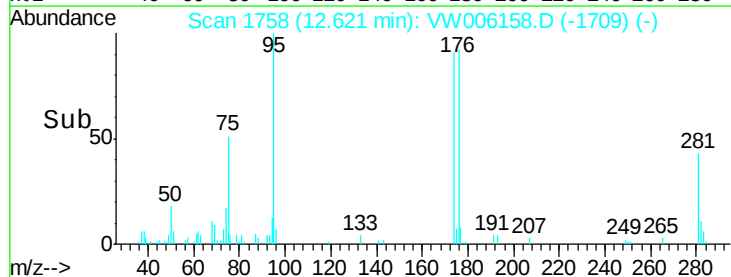
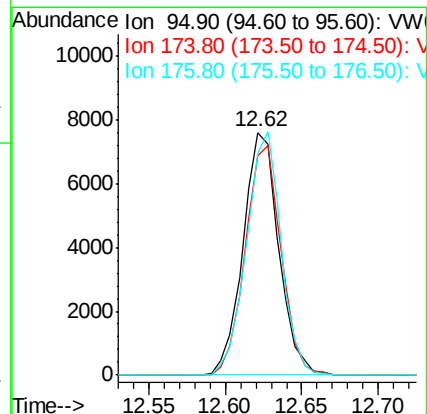
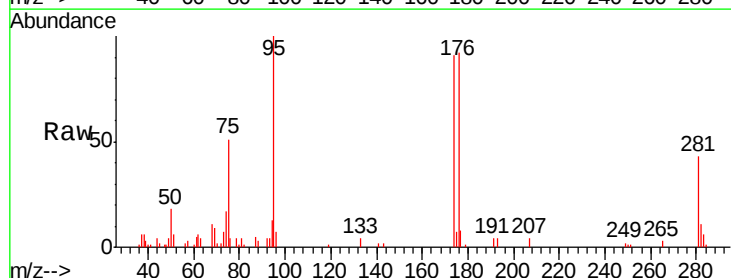
Tgt Ion: 95 Resp: 12373

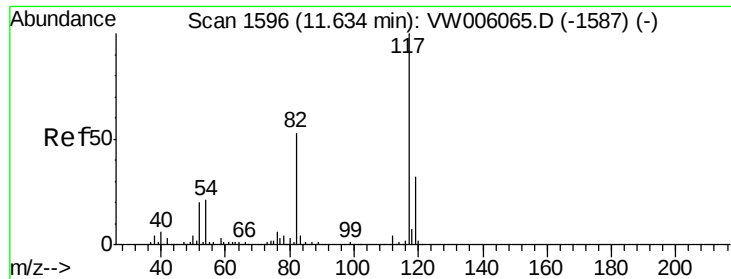
Ion Ratio Lower Upper

95 100

174 94.4 0.0 186.0

176 96.6 0.0 181.6

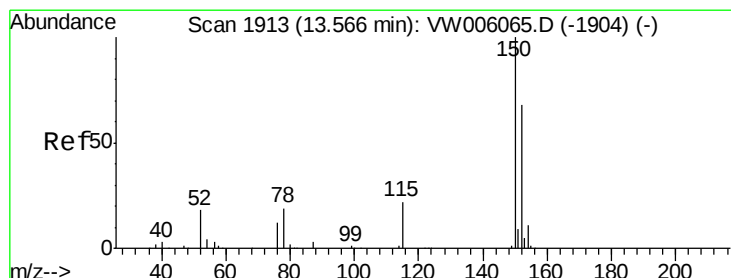
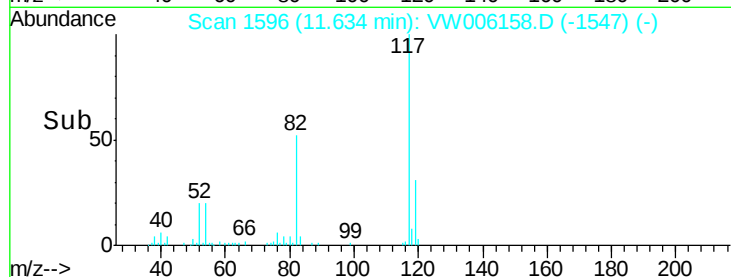
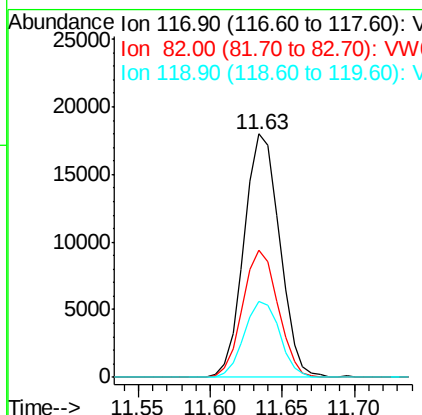
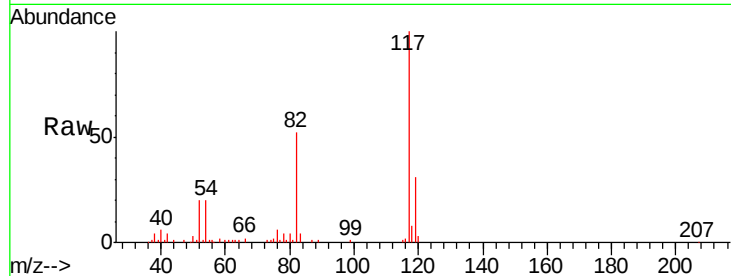




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006158.D
Acq: 18 Oct 2018 07:05

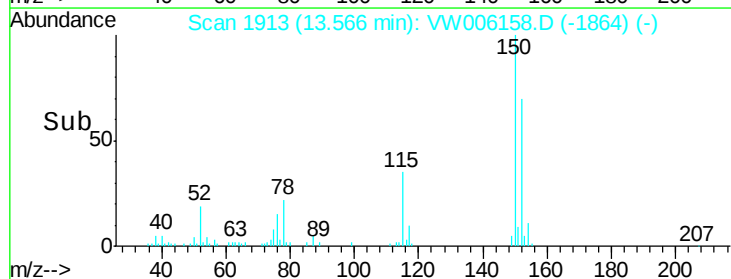
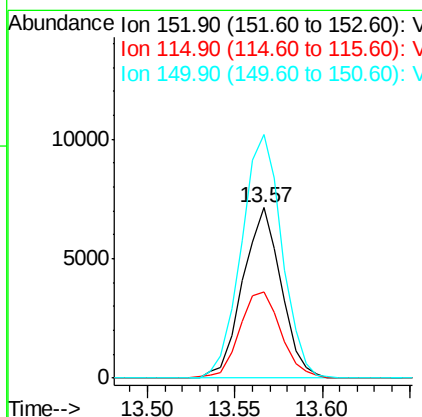
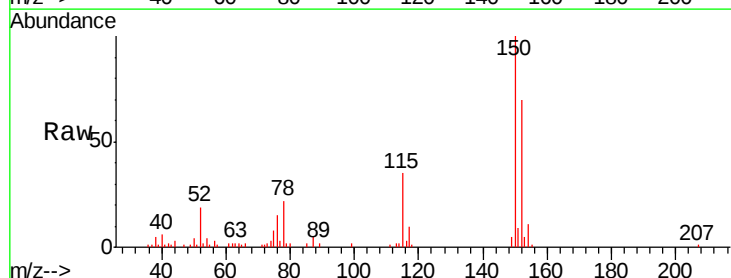
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-3

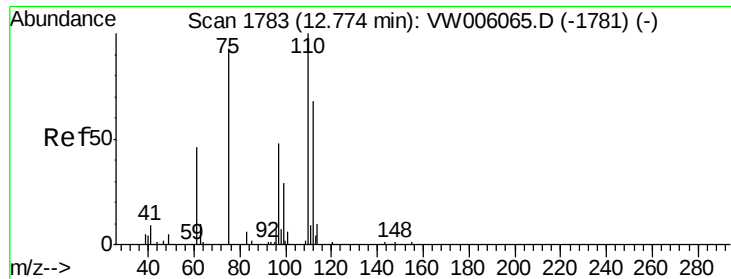
Tgt Ion:117 Resp: 30871
Ion Ratio Lower Upper
117 100
82 52.2 42.1 63.1
119 31.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006158.D
Acq: 18 Oct 2018 07:05

Tgt Ion:152 Resp: 10942
Ion Ratio Lower Upper
152 100
115 54.1 27.8 83.3
150 150.0 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 78.10 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006158.D

Acq: 18 Oct 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

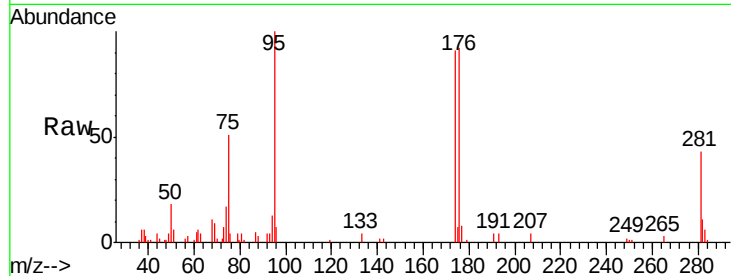
RLF-SD-3

Tgt Ion: 75 Resp: 6527

Ion Ratio Lower Upper

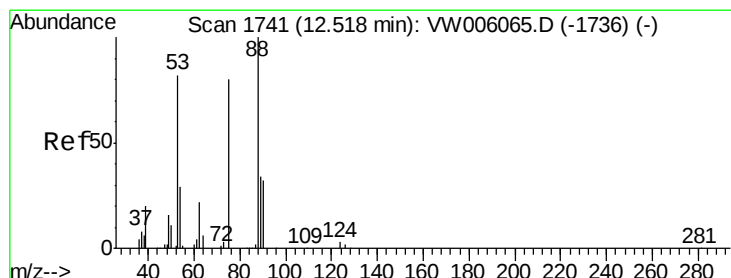
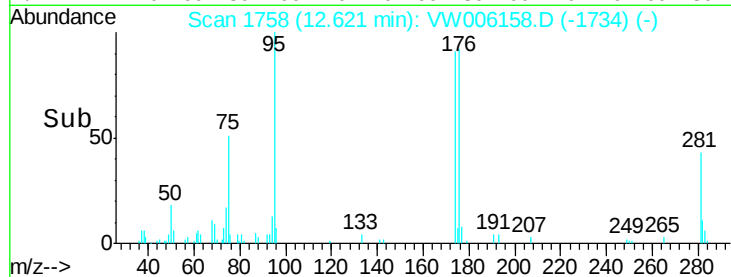
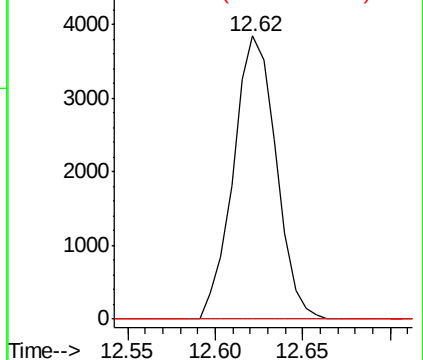
75 100

77 0.0 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: 186.68 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006158.D

Acq: 18 Oct 2018 07:05

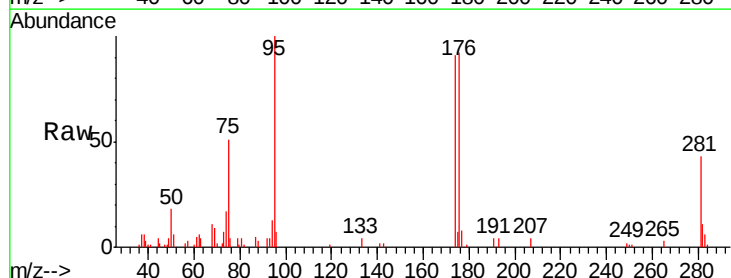
Tgt Ion: 75 Resp: 6527

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

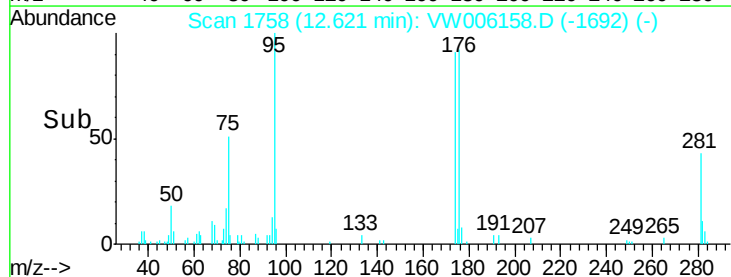
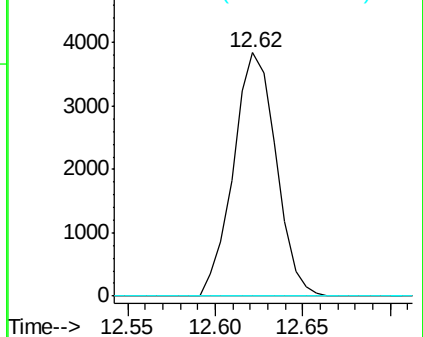
89 0.0 37.5 56.3#

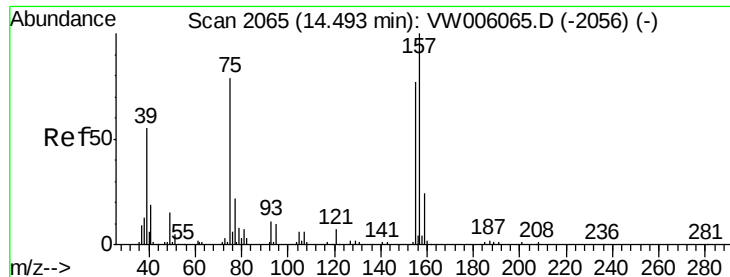


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.56 ug/l

RT: 14.52 min Scan# 2069

Delta R.T. 0.02 min

Lab File: VW006158.D

Acq: 18 Oct 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-3

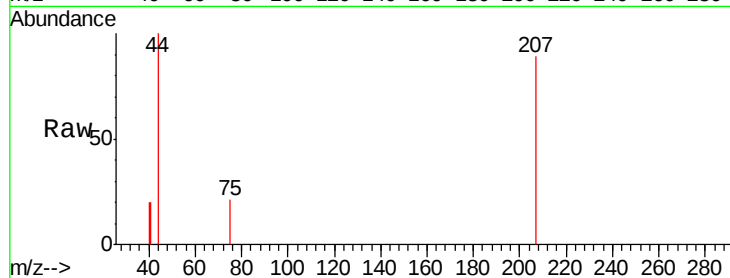
Tgt Ion: 75 Resp: 75

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

157 0.0 59.8 179.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

