

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006208.D
 Acq On : 19 Oct 2018 07:22
 Operator : VA/AP
 Sample : J5565-08RE
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-FD-01RE

Quant Time: Oct 19 08:00:02 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	171621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	261248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	202975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	76504	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	85422	60.04	ug/l	0.00
Spiked Amount			Recovery	=	120.08%	
35) Dibromofluoromethane	7.89	113	73893	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	10.33	98	232570	39.60	ug/l	0.00
Spiked Amount			Recovery	=	79.20%	
62) 4-Bromofluorobenzene	12.62	95	73041	33.11	ug/l	0.00
Spiked Amount			Recovery	=	66.22%	

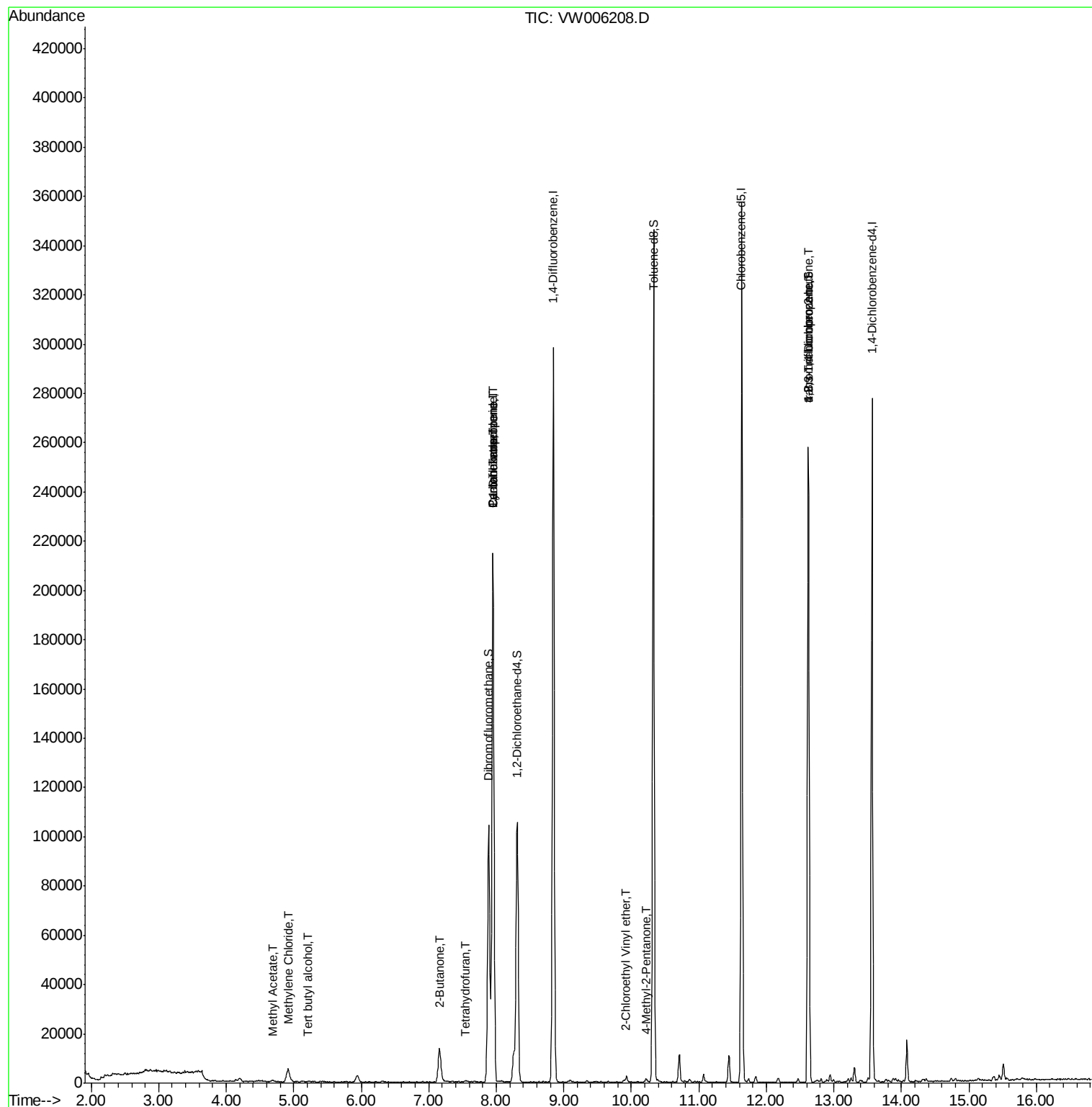
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	167	1.745	ug/l #	71
16) Acetone	4.15	43	1995	Below Cal	#	85
18) Methyl Acetate	4.68	43	1083	1.513	ug/l #	89
20) Methylene Chloride	4.92	84	4324	1.286	ug/l	90
25) 2-Butanone	7.17	43	982	2.555	ug/l #	46
29) Tetrahydrofuran	7.54	42	439	1.858	ug/l #	70
31) Cyclohexane	7.95	56	3585	1.377	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	11326	4.704	ug/l #	49
38) Carbon Tetrachloride	7.95	117	15310	5.800	ug/l #	17
51) 4-Methyl-2-Pentanone	10.22	43	963	1.051	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.93	63	1065	1.803	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	37706	64.528	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37706	154.246	ug/l #	10

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

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Quant Time: Oct 19 08:00:02 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: VW006208.D

Acq: 19 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

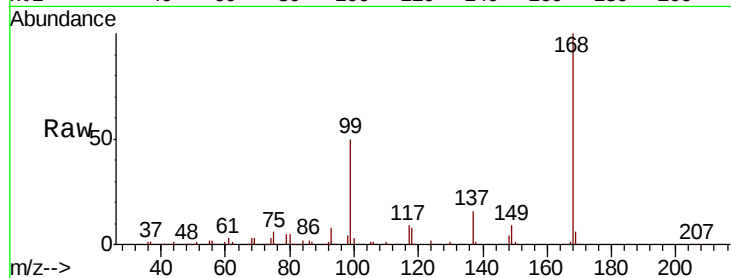
RLF-SD-FD-01RE

Tot Ion:168 Resp: 171621

Ion Ratio Lower Upper

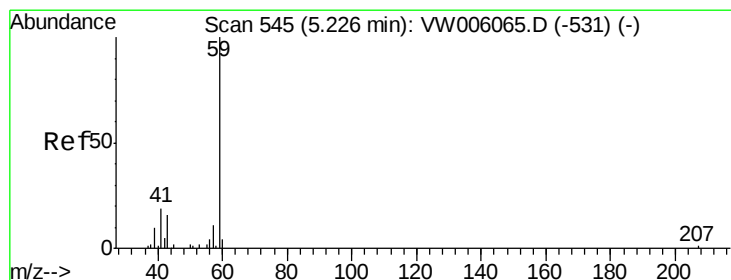
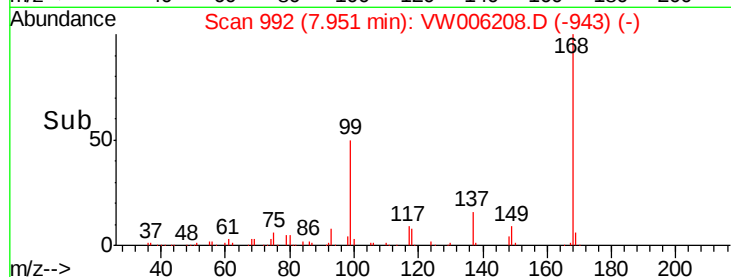
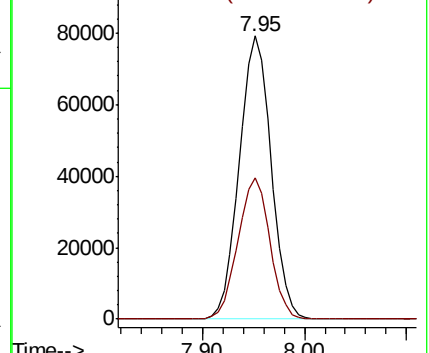
168 100

99 50.1 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: 1.745 ug/l

RT: 5.20 min Scan# 541

Delta R.T. -0.02 min

Lab File: VW006208.D

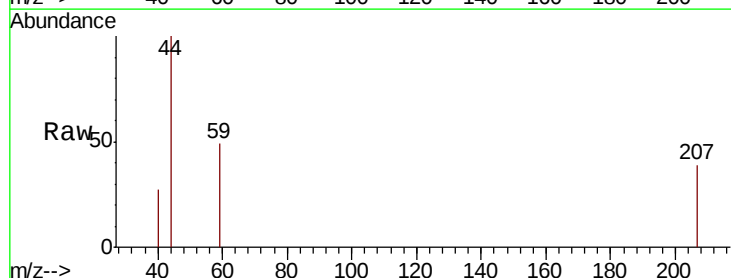
Acq: 19 Oct 2018 07:22

Tgt Ion: 59 Resp: 167

Ion Ratio Lower Upper

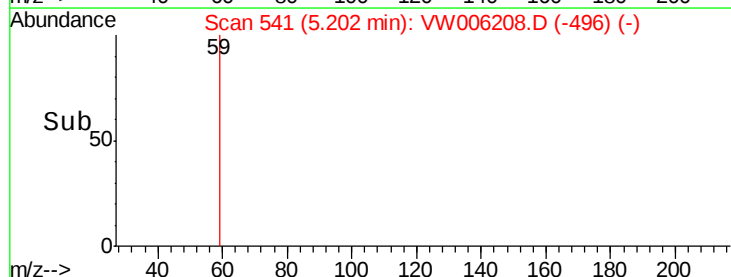
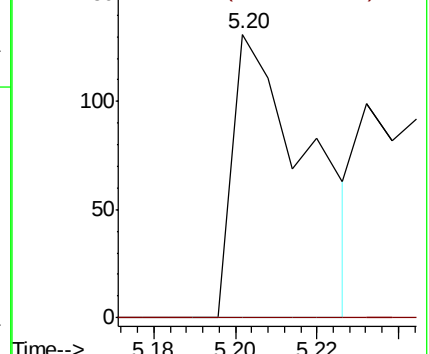
59 100

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: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006208.D

Acq: 19 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

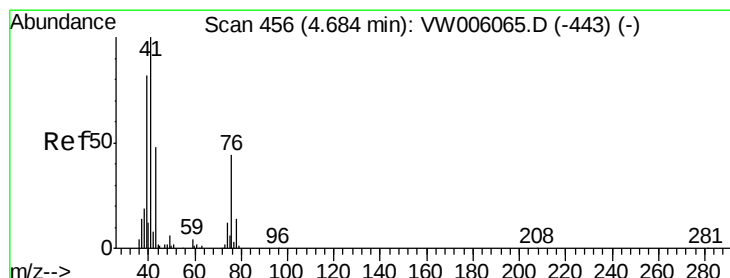
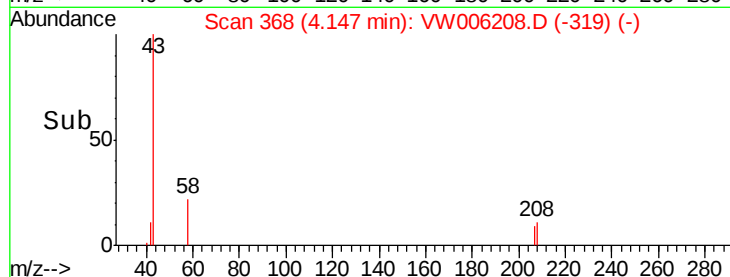
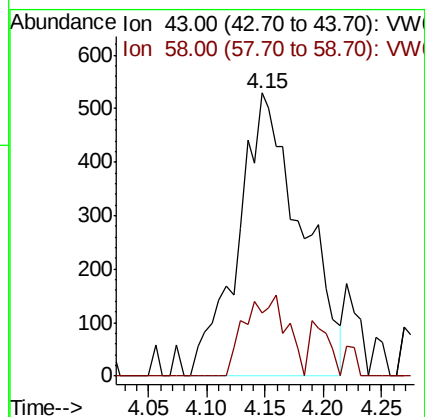
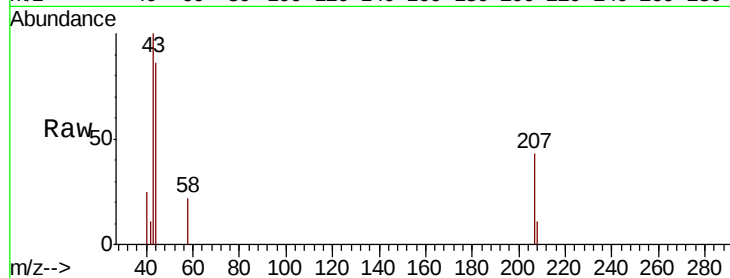
RLF-SD-FD-01RE

Tot Ion: 43 Resp: 1995

Ion Ratio Lower Upper

43 100

58 22.1 24.0 36.0#



#18

Methyl Acetate

Concen: 1.513 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006208.D

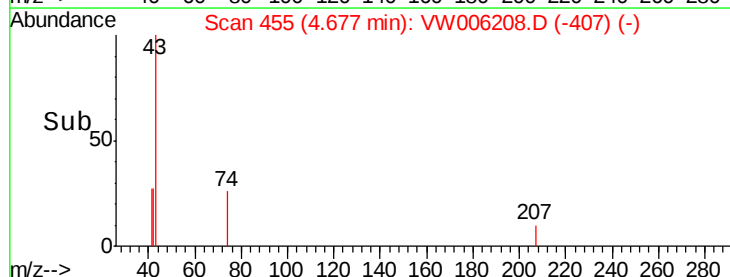
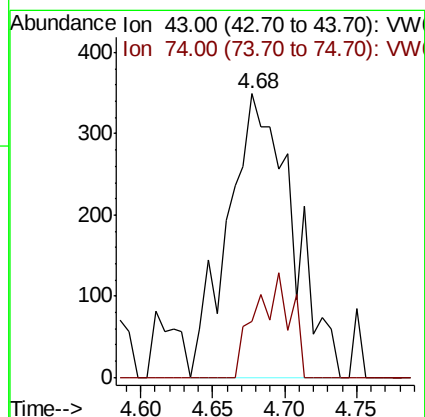
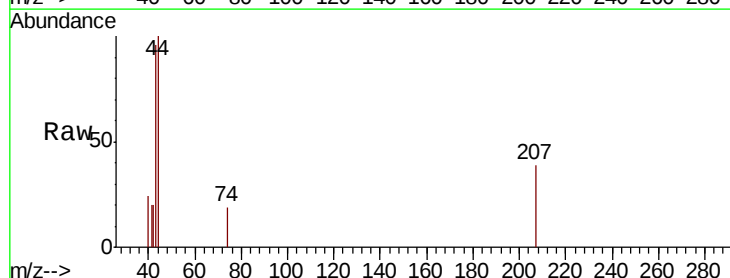
Acq: 19 Oct 2018 07:22

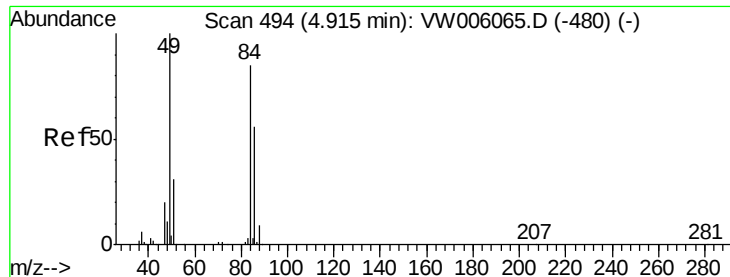
Tgt Ion: 43 Resp: 1083

Ion Ratio Lower Upper

43 100

74 20.0 20.5 30.7#

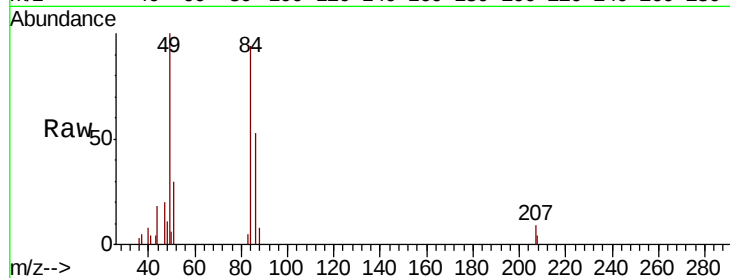




#20
Methvlene Chloride
Concen: 1.286 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006208.D
Acq: 19 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-FD-01RE

Tot Ion:	84	Resp:	4324
Ion	Ratio	Lower	Upper
84	100		
49	106.6	93.6	140.4
51	31.6	29.0	43.4
86	56.6	52.6	79.0



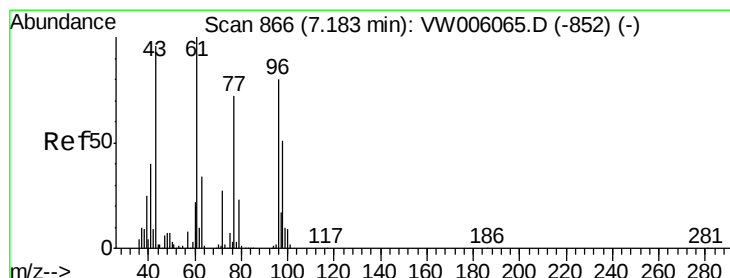
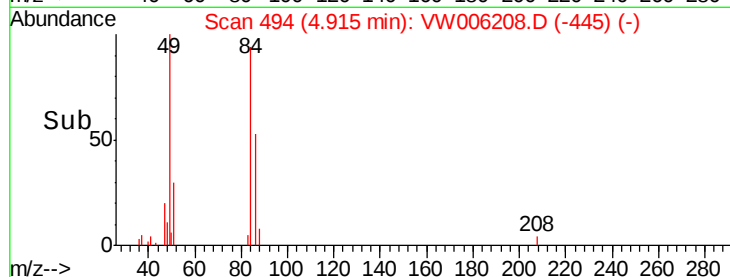
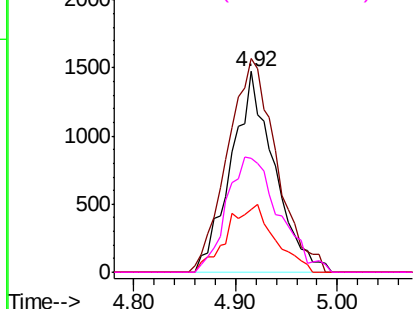
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

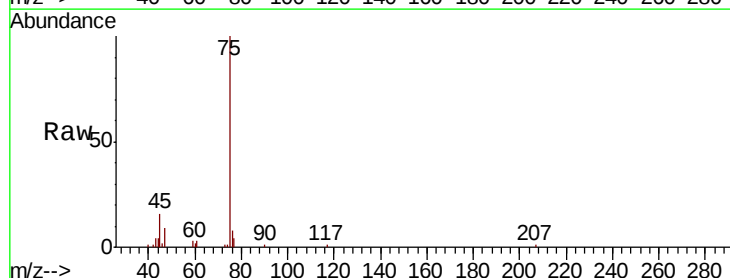
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 2.555 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW006208.D
Acq: 19 Oct 2018 07:22

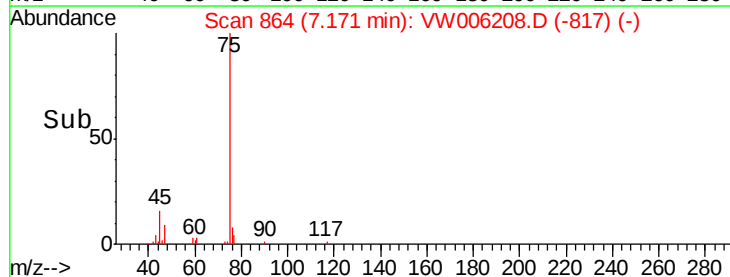
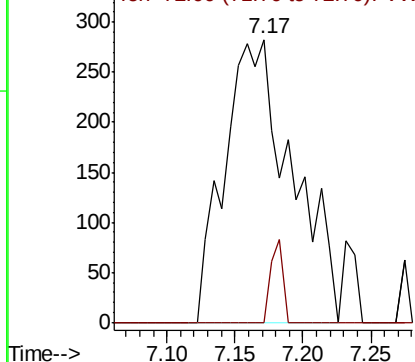
Tgt Ion:	43	Resp:	982
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#

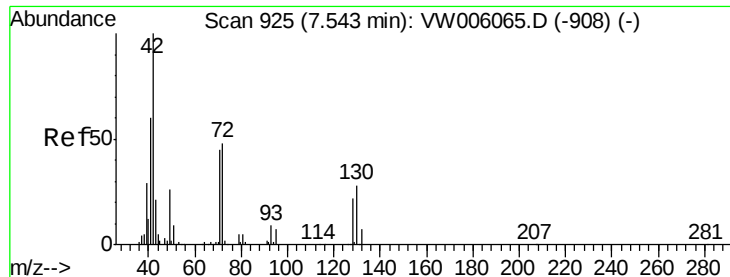


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.858 ug/l

RT: 7.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: VW006208.D

Acq: 19 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-FD-01RE

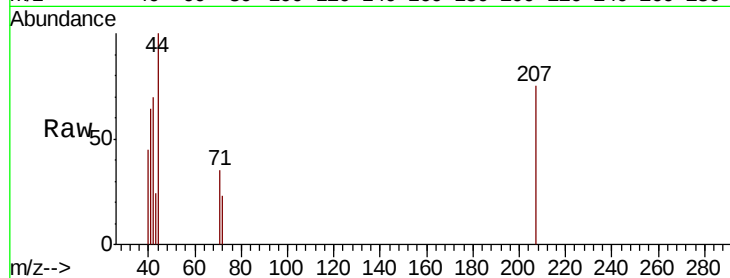
Tot Ion: 42 Resp: 439

Ion Ratio Lower Upper

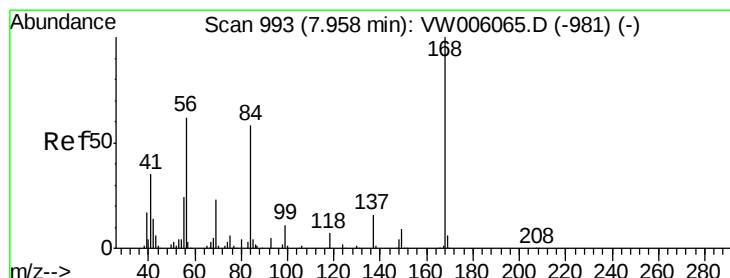
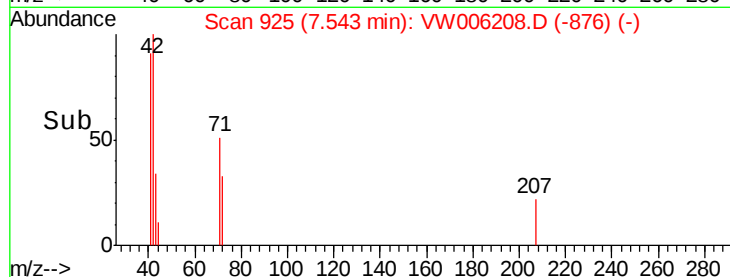
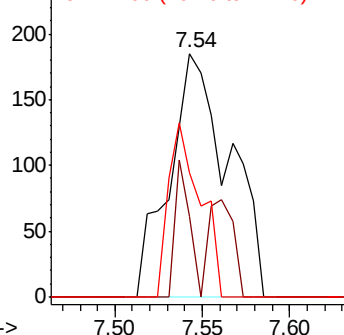
42 100

72 13.7 38.0 57.0#

71 38.3 35.3 52.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.377 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006208.D

Acq: 19 Oct 2018 07:22

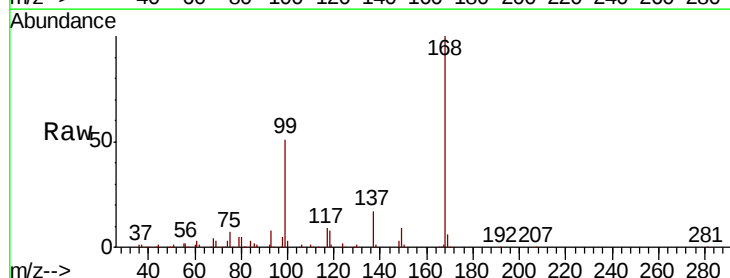
Tgt Ion: 56 Resp: 3585

Ion Ratio Lower Upper

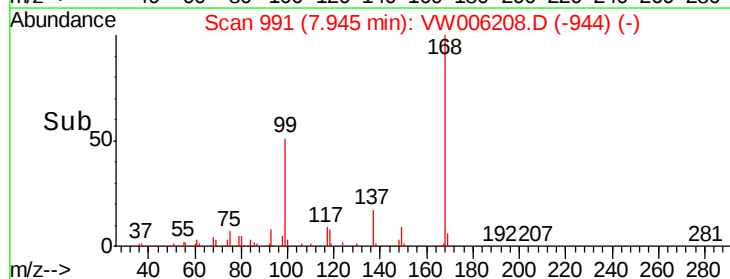
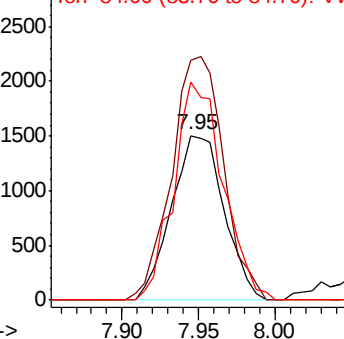
56 100

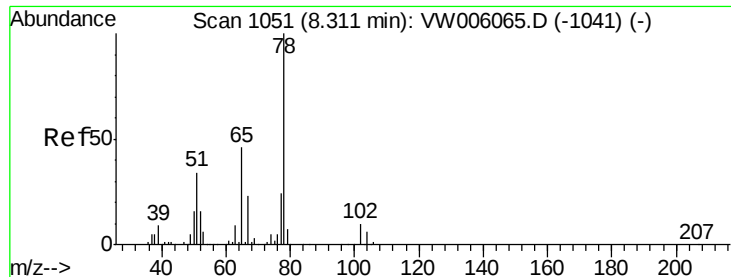
69 146.0 29.4 44.0#

84 132.2 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





#33

1,2-Dichloroethane-d4

Concen: 60.037 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006208.D

Acq: 19 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

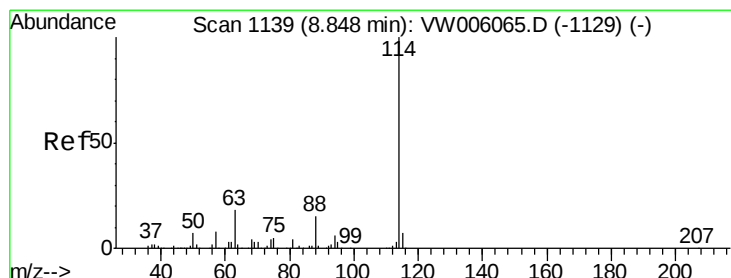
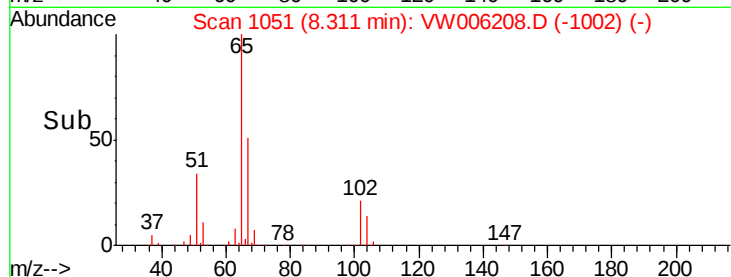
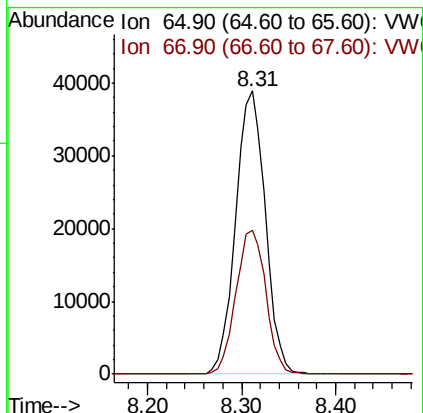
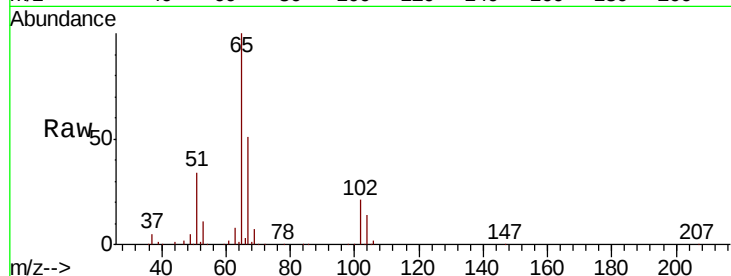
RLF-SD-FD-01RE

Tot Ion: 65 Resp: 85422

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: VW006208.D

Acq: 19 Oct 2018 07:22

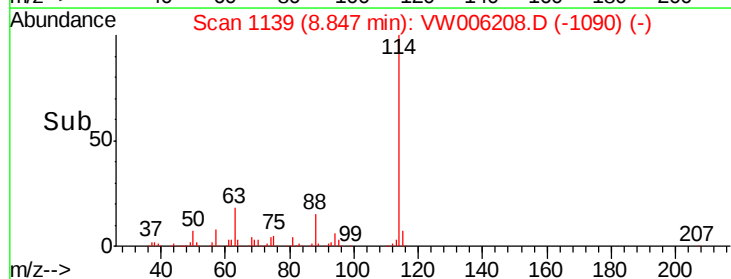
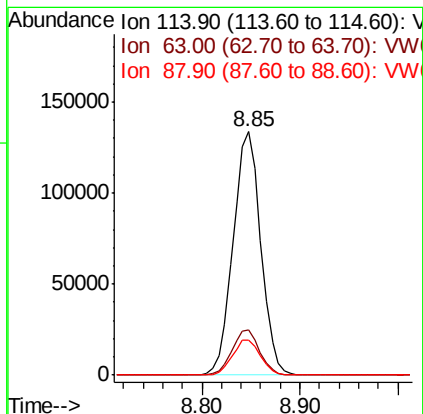
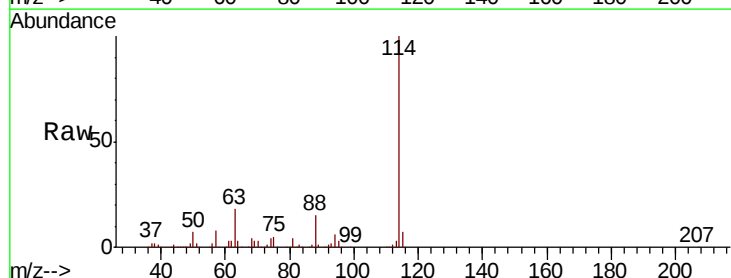
Tgt Ion: 114 Resp: 261248

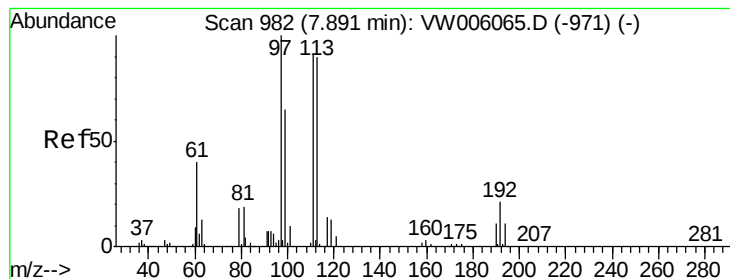
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.867 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006208.D

Acq: 19 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-FD-01RE

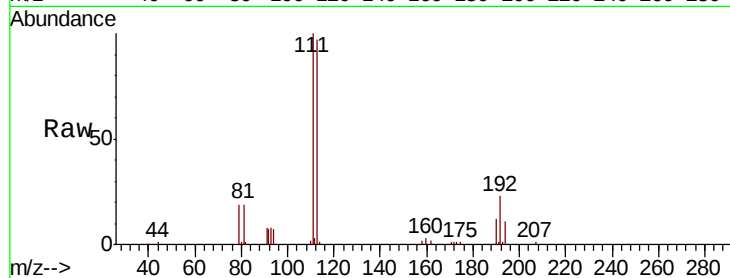
Tot Ion:113 Resp: 73893

Ion Ratio Lower Upper

113 100

111 103.9 81.4 122.0

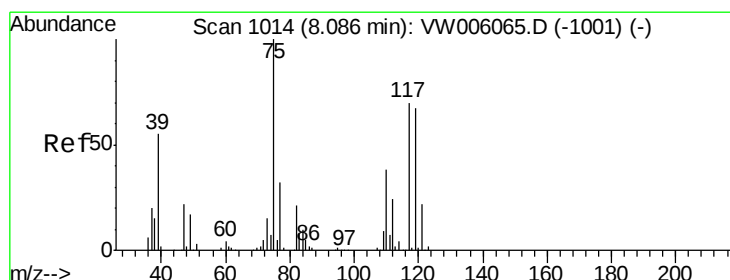
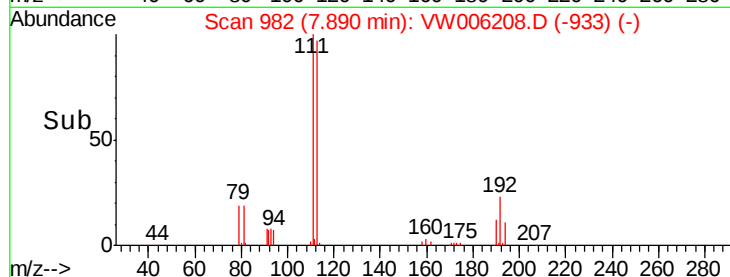
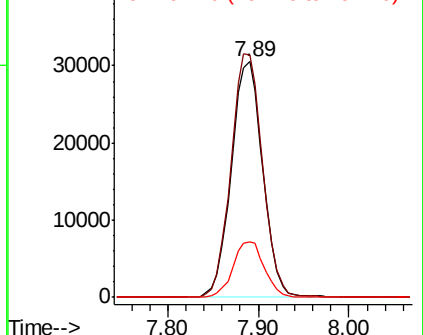
192 23.3 18.7 28.1



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: 4.704 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006208.D

Acq: 19 Oct 2018 07:22

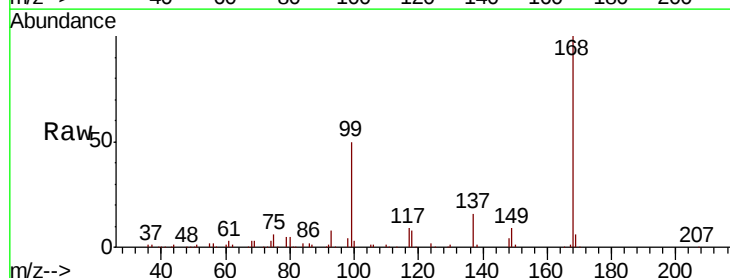
Tgt Ion: 75 Resp: 11326

Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.1#

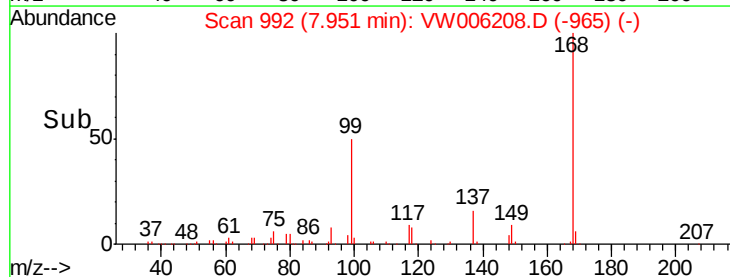
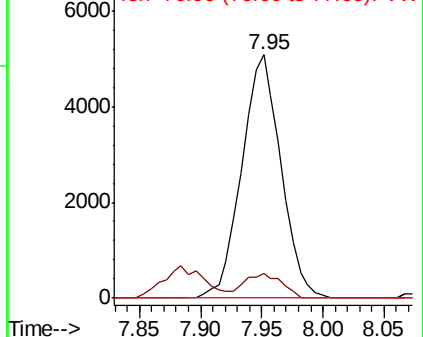
77 0.0 25.0 37.4#

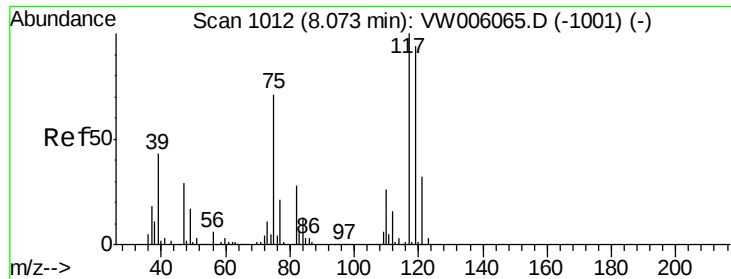


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

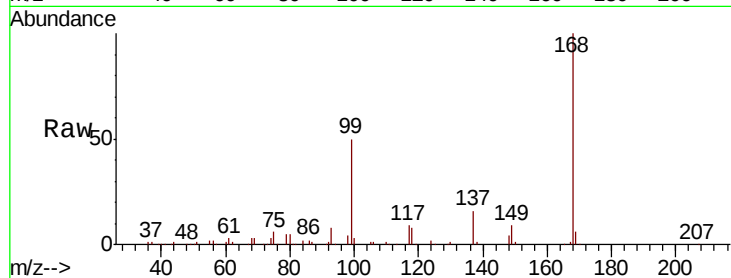




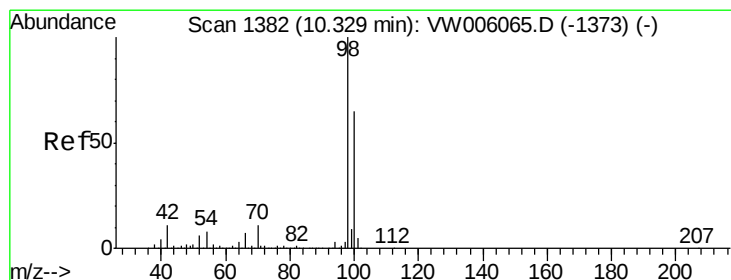
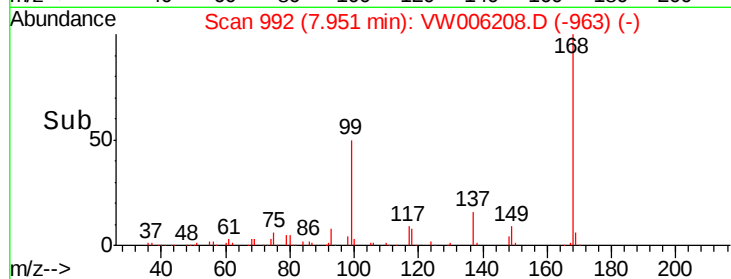
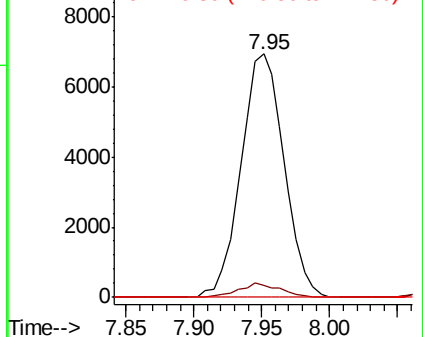
#38
Carbon Tetrachloride
Concen: 5.800 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006208.D
Acq: 19 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-FD-01RE

Tot Ion:117 Resp: 15310
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 25.3 37.9#

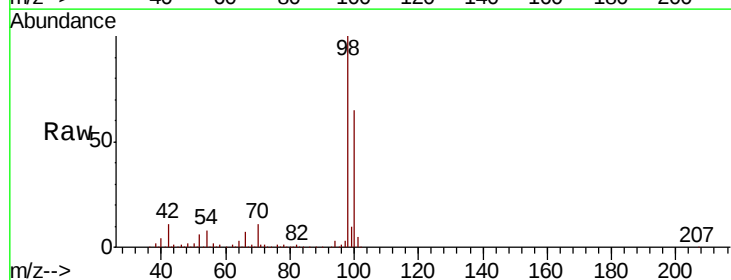


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

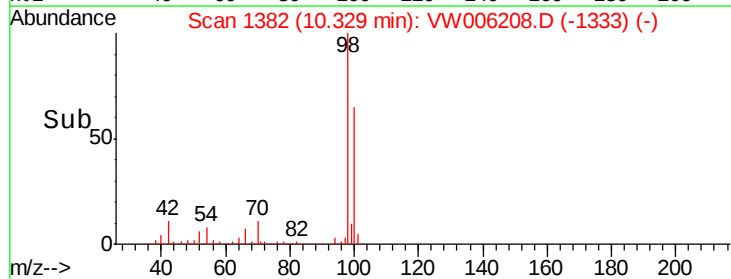
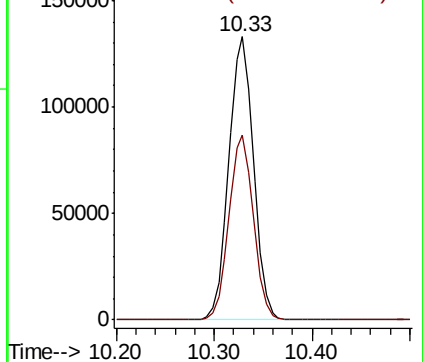


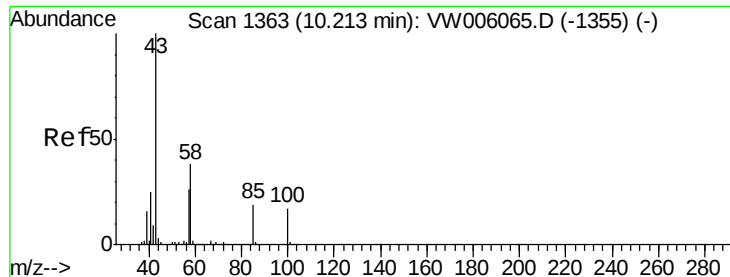
#50
Toluene-d8
Concen: 39.600 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006208.D
Acq: 19 Oct 2018 07:22

Tgt Ion: 98 Resp: 232570
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.051 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006208.D

Acq: 19 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

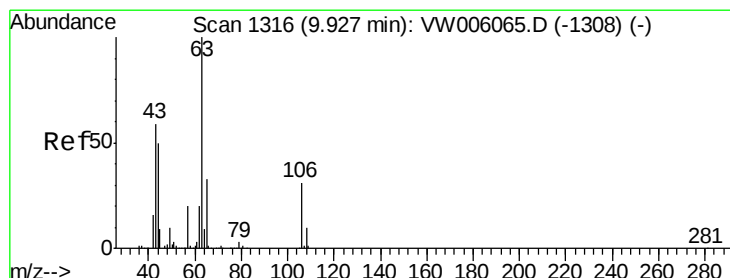
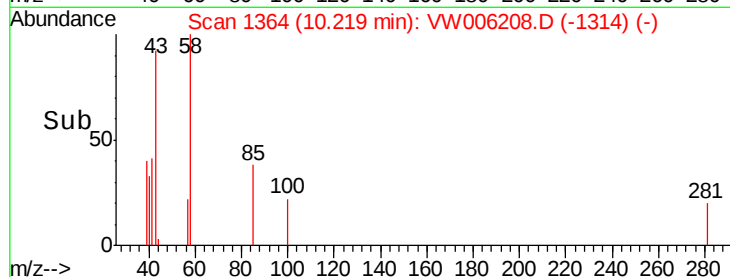
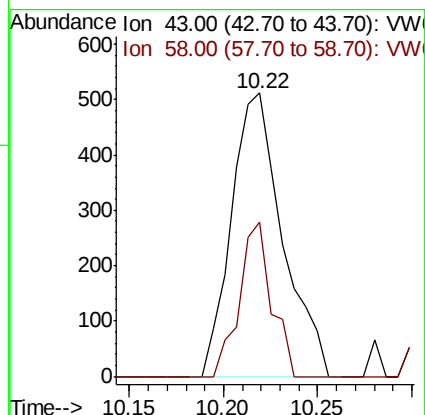
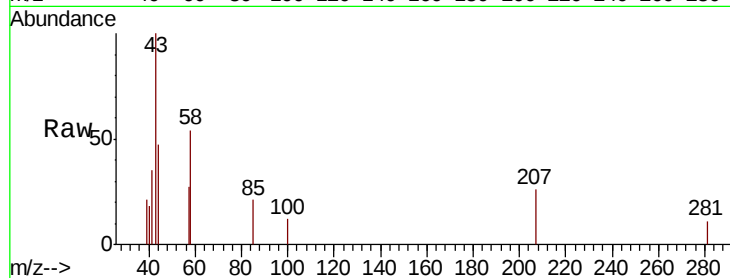
RLF-SD-FD-01RE

Tot Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

58 34.2 31.5 47.3



#58

2-Chloroethyl Vinyl ether

Concen: 1.803 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW006208.D

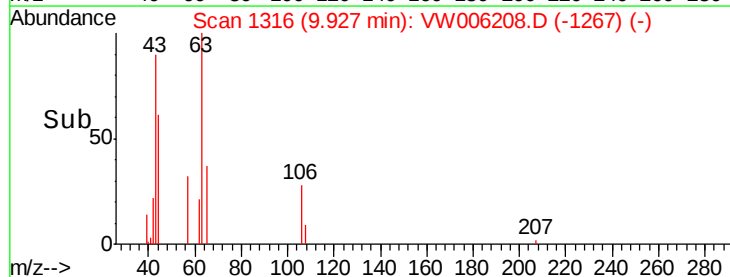
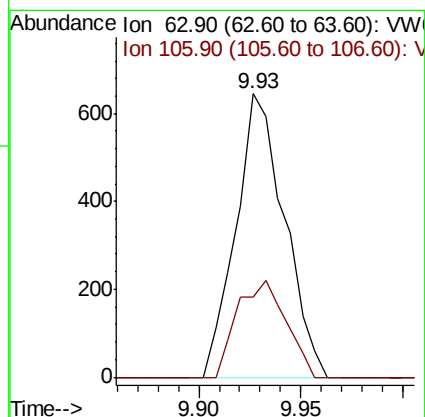
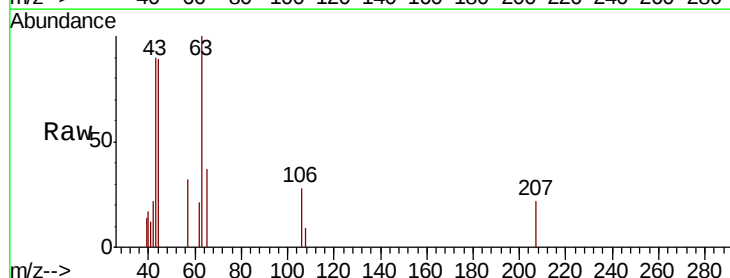
Acq: 19 Oct 2018 07:22

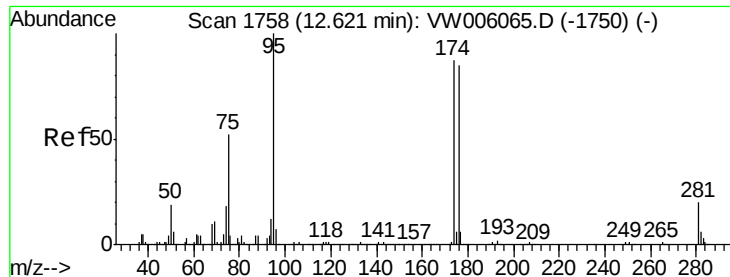
Tgt Ion: 63 Resp: 1065

Ion Ratio Lower Upper

63 100

106 34.2 24.5 36.7

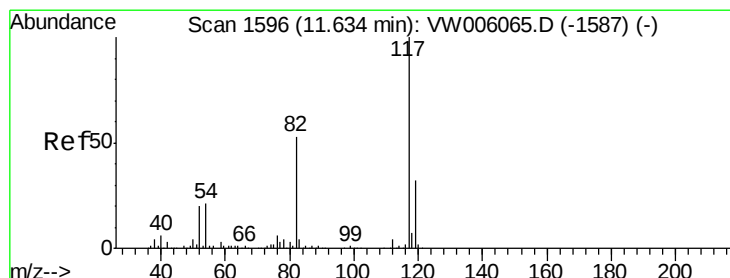
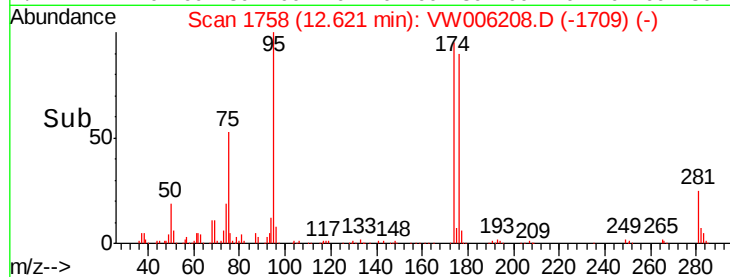
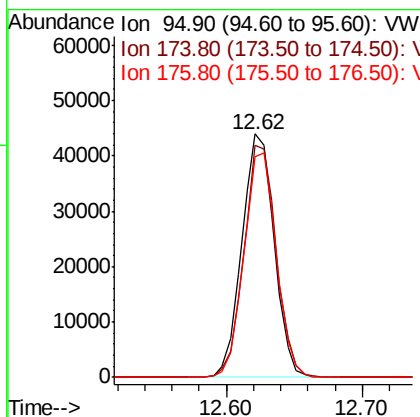
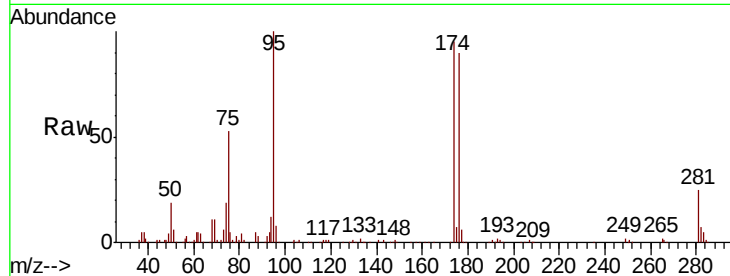




#62
4-Bromofluorobenzene
Concen: 33.113 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006208.D
Acq: 19 Oct 2018 07:22

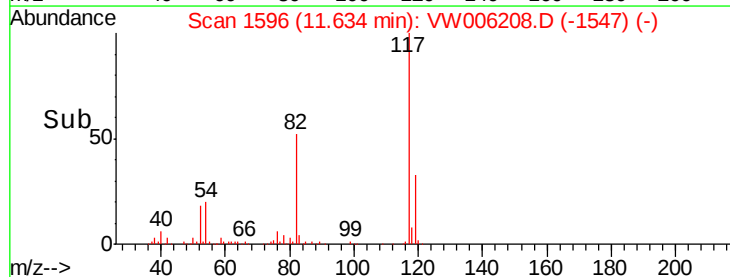
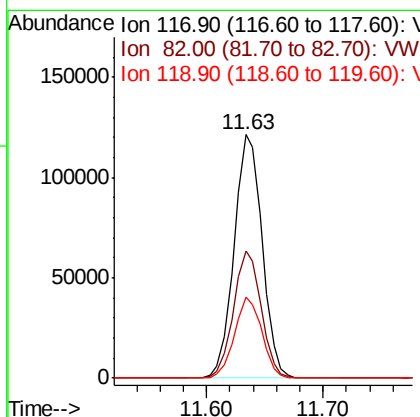
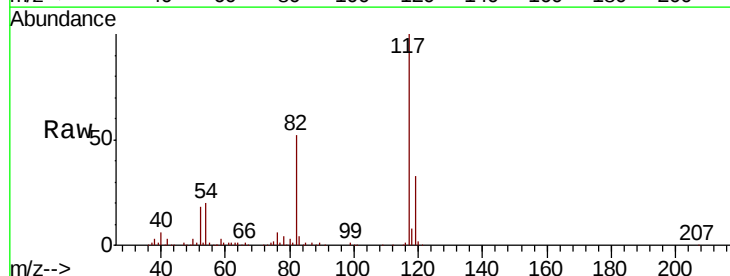
Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-FD-01RE

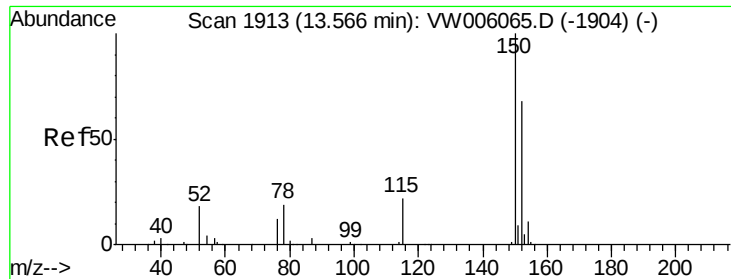
Tot Ion: 95 Resp: 73041
Ion Ratio Lower Upper
95 100
174 95.2 0.0 186.0
176 92.5 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006208.D
Acq: 19 Oct 2018 07:22

Tgt Ion: 117 Resp: 202975
Ion Ratio Lower Upper
117 100
82 52.5 42.1 63.1
119 33.0 25.8 38.6



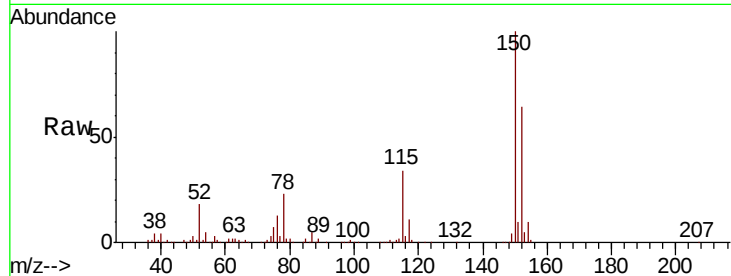


#72

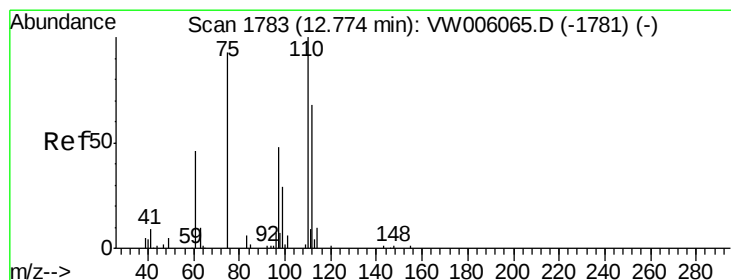
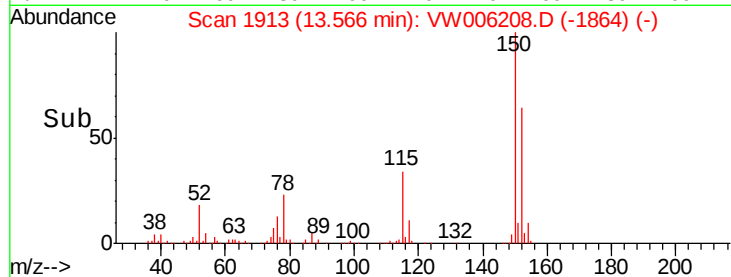
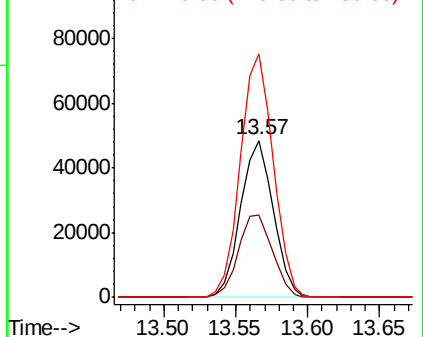
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006208.D
Acq: 19 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
RLF-SD-FD-01RE

Tot Ion:152 Resp: 76504
Ion Ratio Lower Upper
152 100
115 54.9 27.8 83.3
150 156.3 0.0 349.2



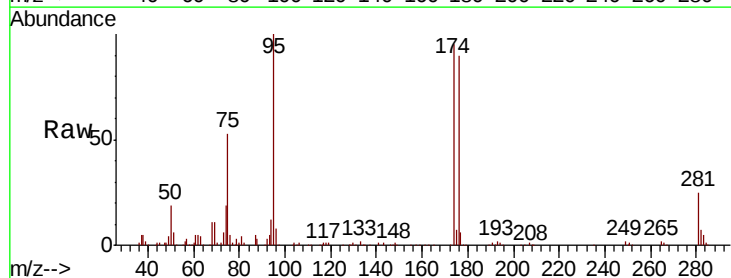
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



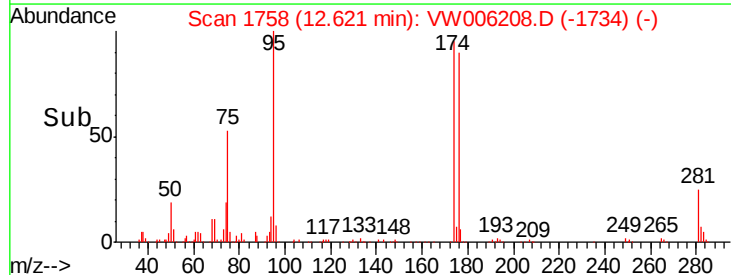
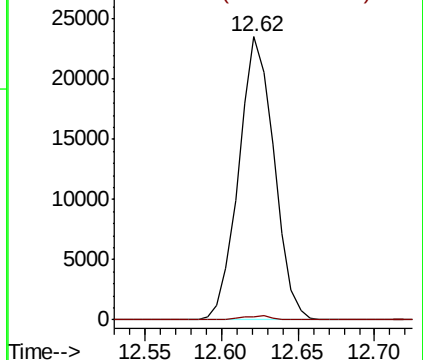
#76

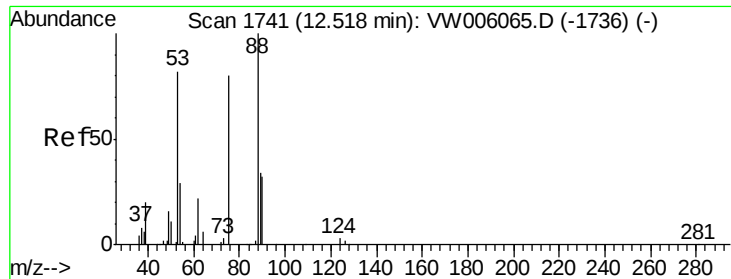
1,2,3-Trichloropropane
Concen: 64.528 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006208.D
Acq: 19 Oct 2018 07:22

Tgt Ion: 75 Resp: 37706
Ion Ratio Lower Upper
75 100
77 1.2 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: 154.246 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006208.D

Acq: 19 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-FD-01RE

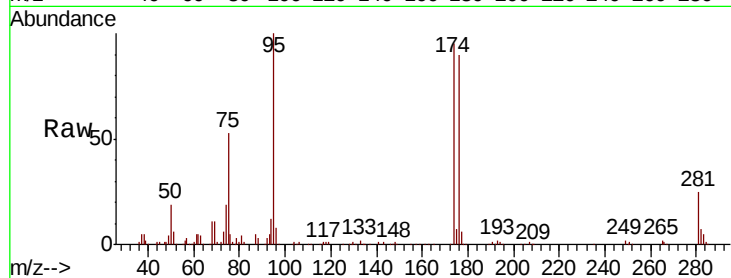
Tot Ion: 75 Resp: 37706

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

