

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009259.D
 Acq On : 20 Mar 2019 01:32
 Operator : SY/VA
 Sample : K1971-06
 Misc : 5.53G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10(6-7)-031519

Quant Time: Mar 20 08:20:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	436365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	189406	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	175082	61.51	ug/l	0.00
Spiked Amount			Recovery	=	123.02%	
35) Dibromofluoromethane	7.88	113	149406	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
50) Toluene-d8	10.32	98	533663	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.62	95	177848	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	

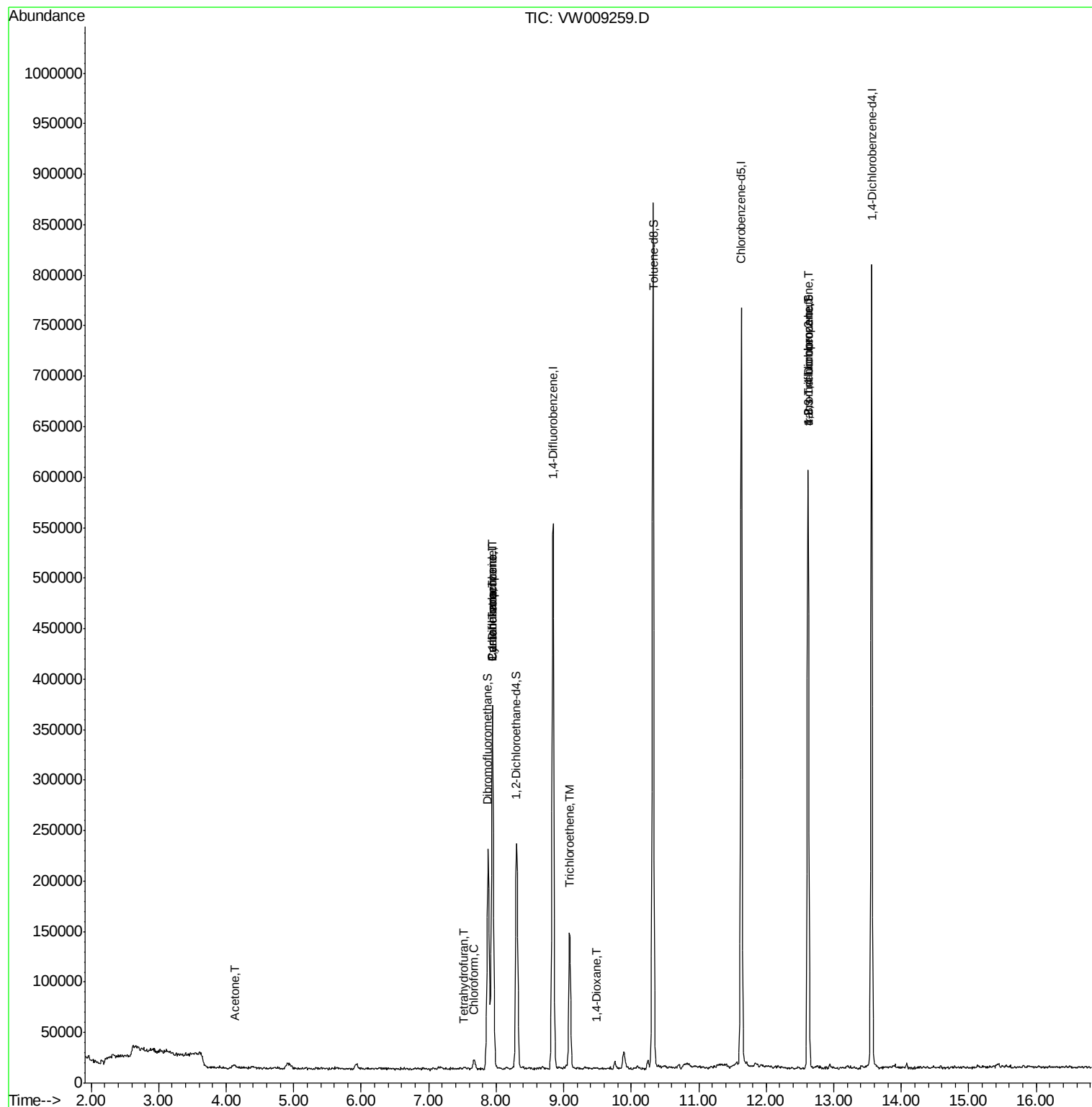
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	185	Below Cal		76
16) Acetone	4.12	43	5747	9.841	ug/l	93
20) Methylene Chloride	4.92	84	4655	Below Cal	#	85
29) Tetrahydrofuran	7.52	42	912	1.715	ug/l #	90
30) Chloroform	7.68	83	8149	1.563	ug/l	93
31) Cyclohexane	7.94	56	7163	1.534	ug/l #	15
36) 1,1-Dichloropropene	7.94	75	21520	4.956	ug/l #	43
38) Carbon Tetrachloride	7.94	117	26285	5.720	ug/l #	17
44) Trichloroethene	9.09	130	46005	14.262	ug/l	96
49) 1,4-Dioxane	9.48	88	39	1.528	ug/l #	43
76) 1,2,3-Trichloropropane	12.62	75	98736	55.473	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	98736	136.115	ug/l #	7

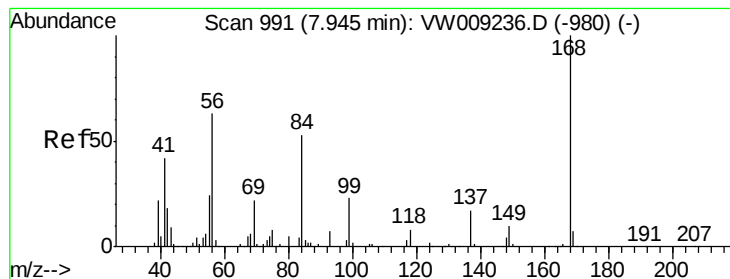
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009259.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampleId :

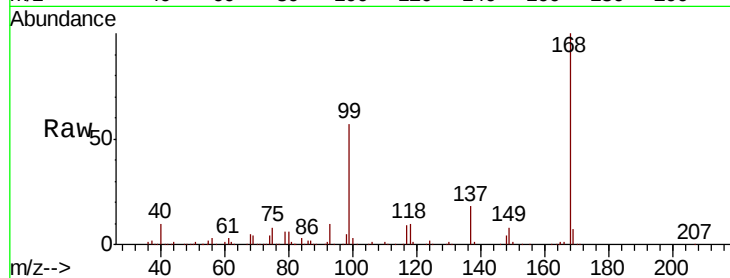
SB-10(6-7)-031519

Tot Ion:168 Resp: 267608

Ion Ratio Lower Upper

168 100

99 57.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

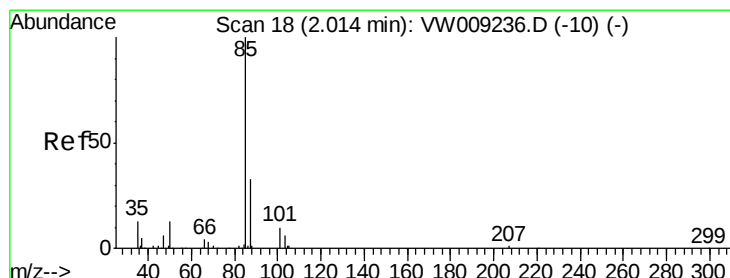
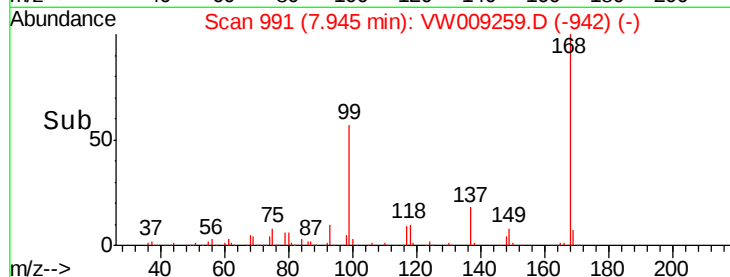
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009259.D

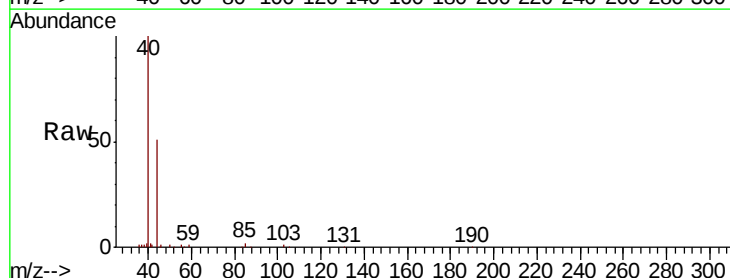
Acq: 20 Mar 2019 01:32

Tgt Ion: 85 Resp: 185

Ion Ratio Lower Upper

85 100

87 19.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

300

250

200

150

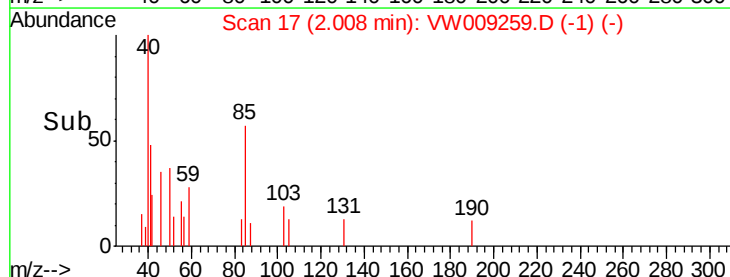
100

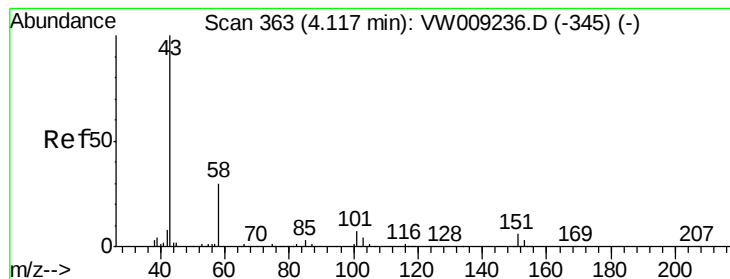
50

0

Time-->

1.98 2.00 2.02





#16

Acetone

Concen: 9.841 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009259.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampleId :

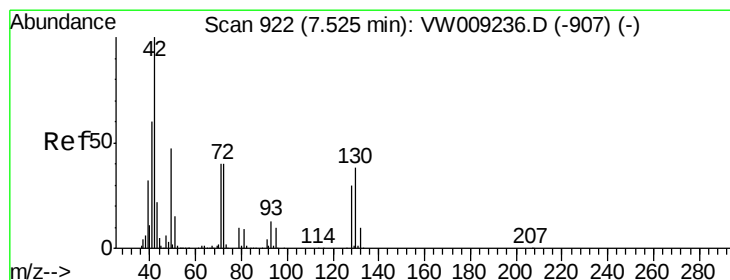
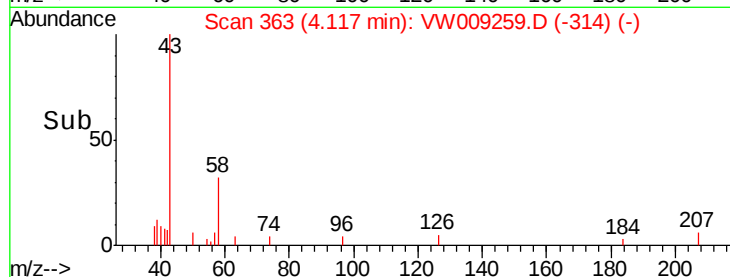
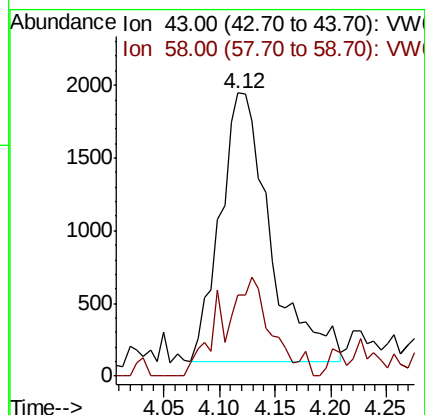
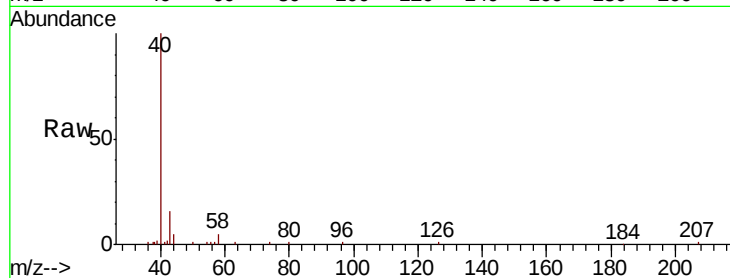
SB-10(6-7)-031519

Tot Ion: 43 Resp: 5747

Ion Ratio Lower Upper

43 100

58 25.7 23.6 35.4



#29

Tetrahydrofuran

Concen: 1.715 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW009259.D

Acq: 20 Mar 2019 01:32

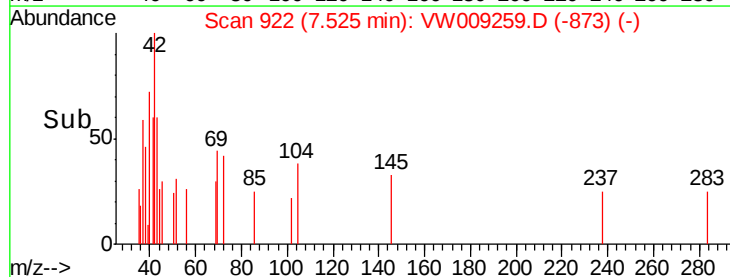
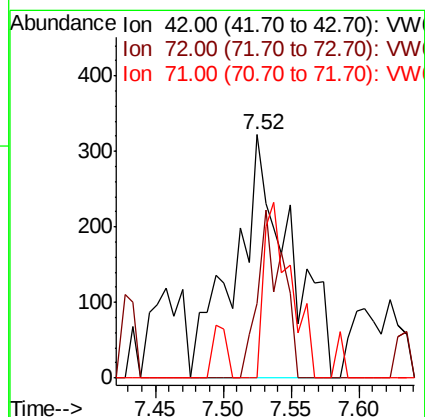
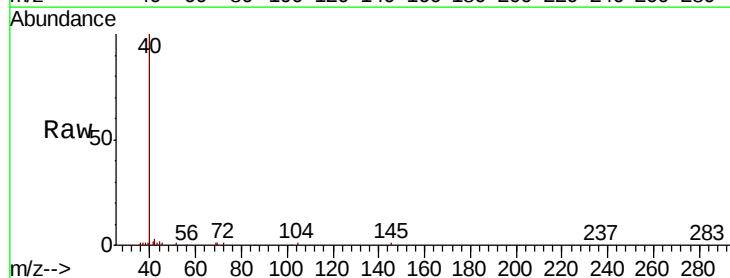
Tgt Ion: 42 Resp: 912

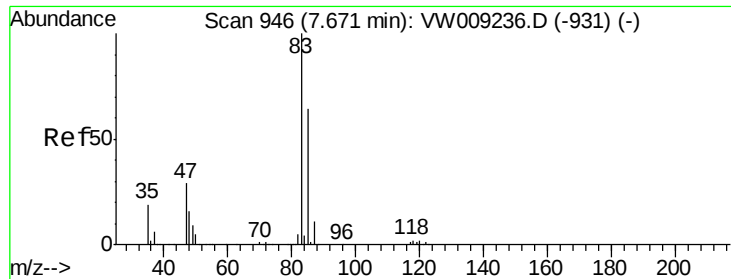
Ion Ratio Lower Upper

42 100

72 30.9 32.4 48.6#

71 35.4 30.1 45.1

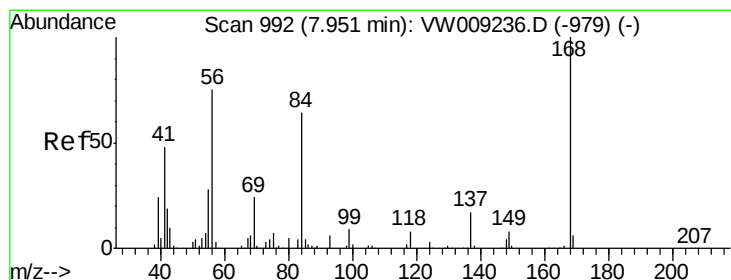
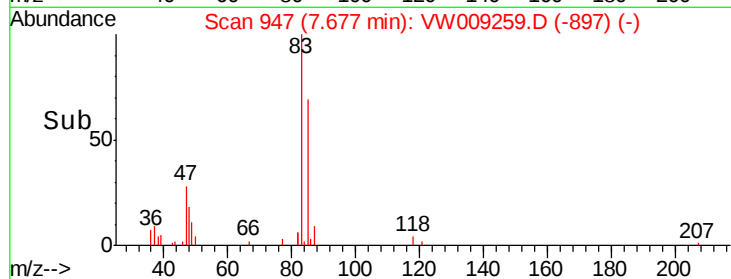
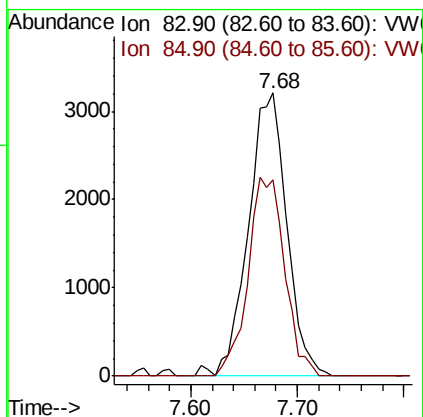
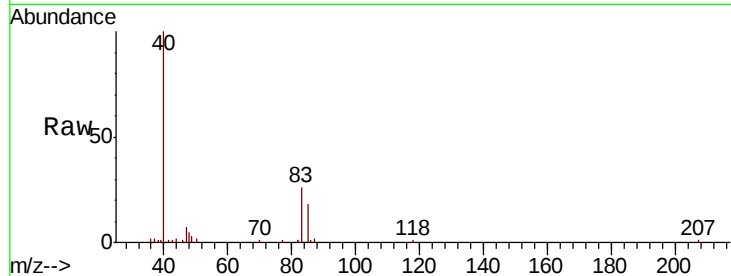




#30
Chloroform
Concen: 1.563 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW009259.D
Acq: 20 Mar 2019 01:32

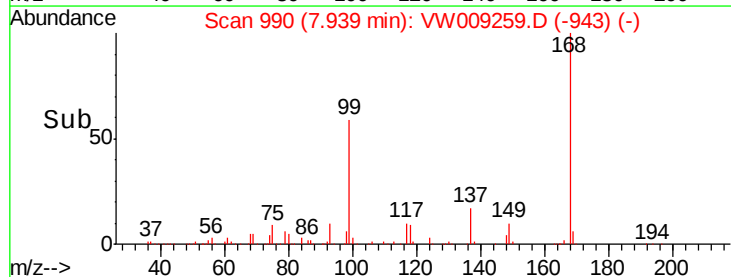
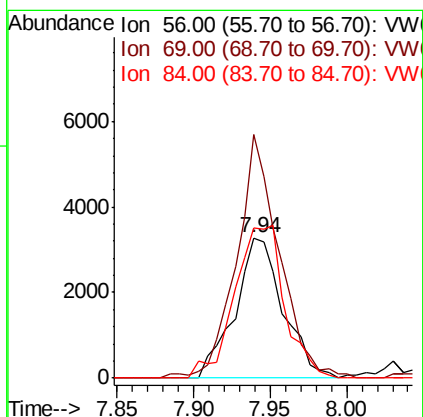
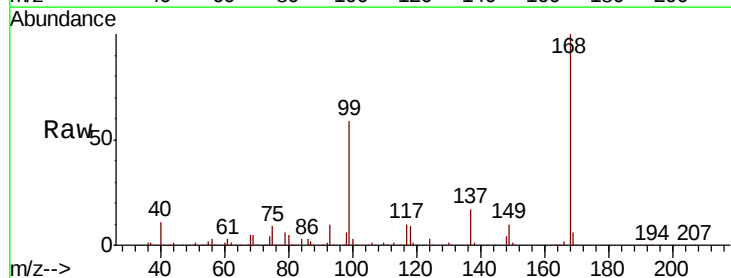
Instrument :
MSVOA_W
ClientSampleId :
SB-10(6-7)-031519

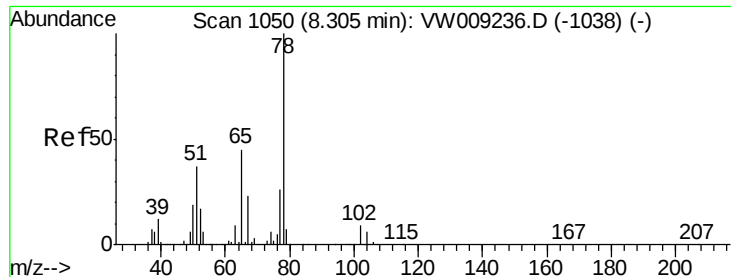
Tot Ion: 83 Resp: 8149
Ion Ratio Lower Upper
83 100
85 69.4 51.0 76.6



#31
Cyclohexane
Concen: 1.534 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW009259.D
Acq: 20 Mar 2019 01:32

Tgt Ion: 56 Resp: 7163
Ion Ratio Lower Upper
56 100
69 171.5 26.1 39.1#
84 107.5 68.6 103.0#

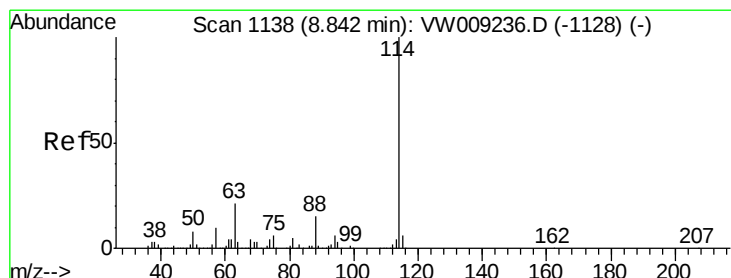
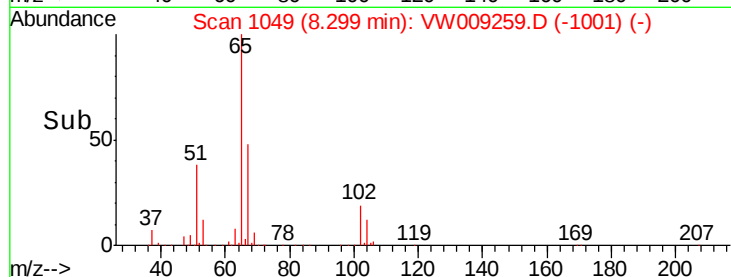
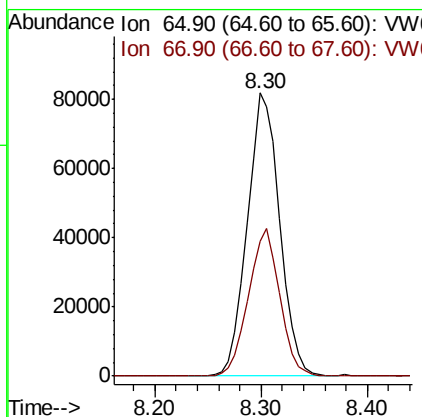
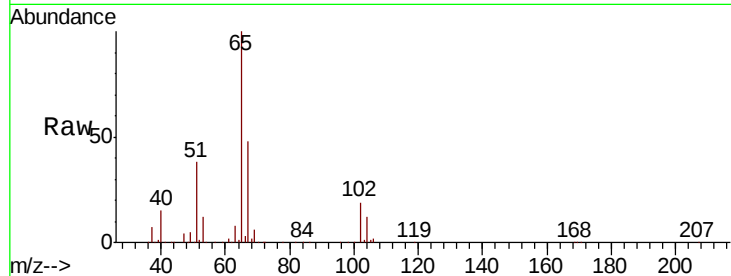




#33
 1,2-Dichloroethane-d4
 Concen: 61.508 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009259.D
 Acq: 20 Mar 2019 01:32

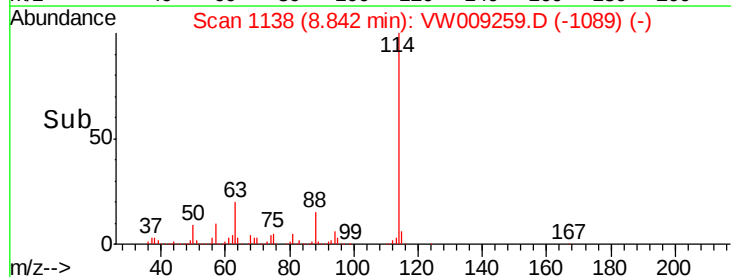
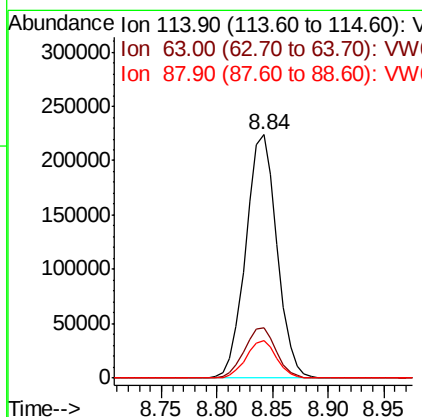
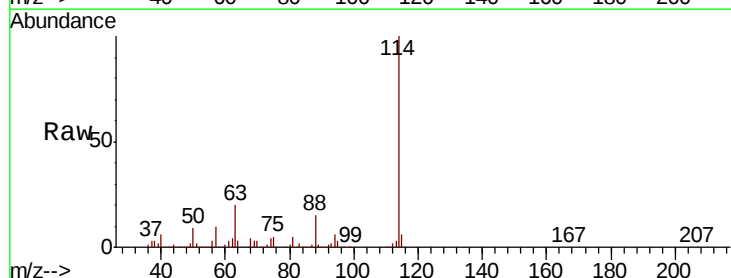
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10(6-7)-031519

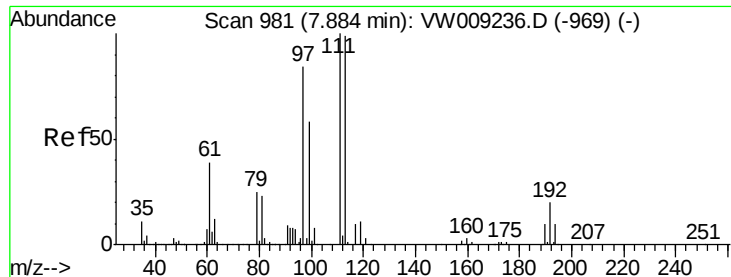
Tot Ion: 65 Resp: 175082
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009259.D
 Acq: 20 Mar 2019 01:32

Tgt Ion: 114 Resp: 436365
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.2
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.975 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009259.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampleId :

SB-10(6-7)-031519

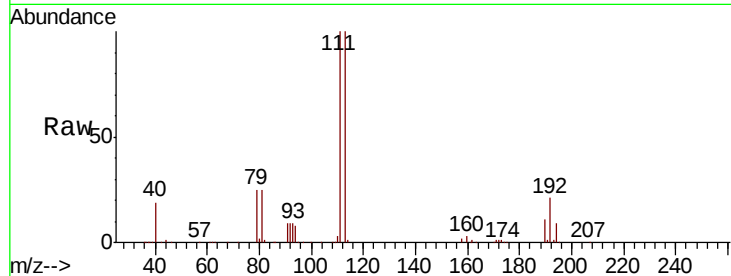
Tot Ion:113 Resp: 149406

Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

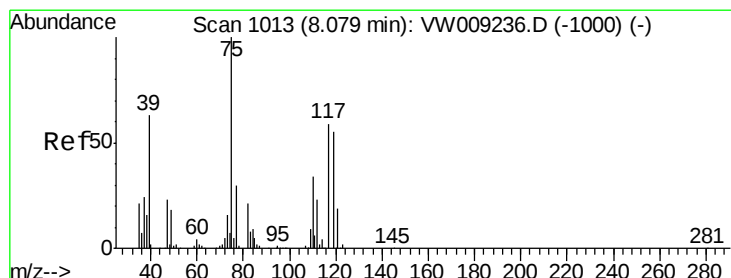
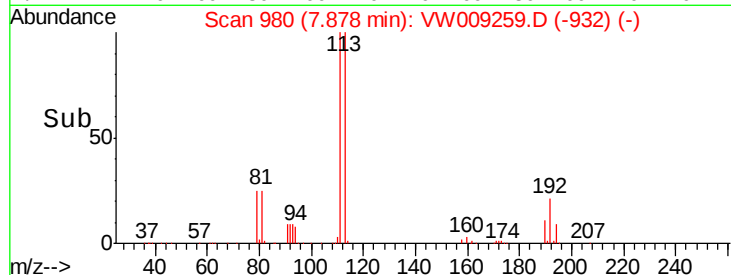
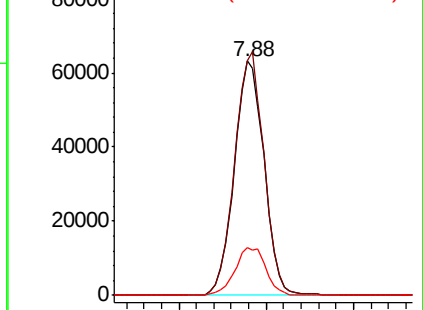
192 21.3 16.4 24.6



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: 4.956 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW009259.D

Acq: 20 Mar 2019 01:32

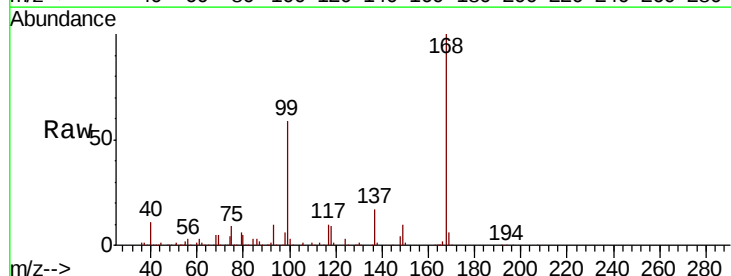
Tgt Ion: 75 Resp: 21520

Ion Ratio Lower Upper

75 100

110 0.0 16.8 50.4#

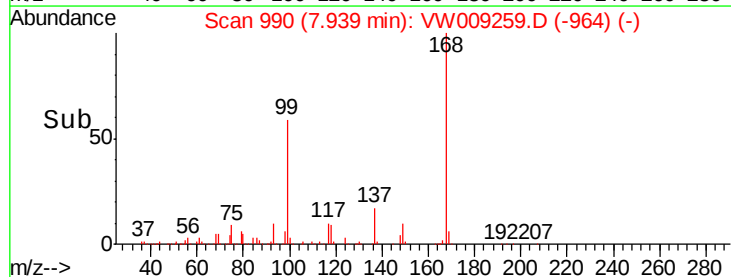
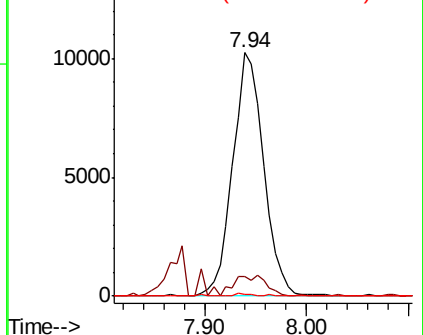
77 0.4 24.6 36.8#

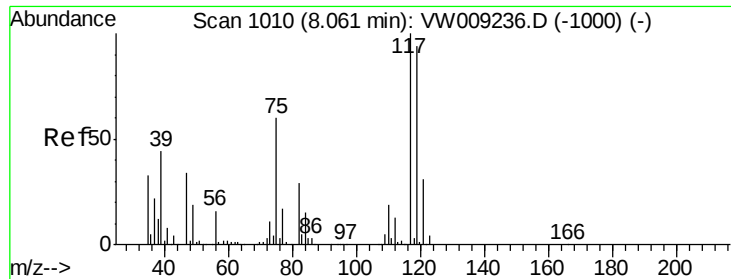


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.720 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.12 min

Lab File: VW009259.D

Acq: 20 Mar 2019 01:32

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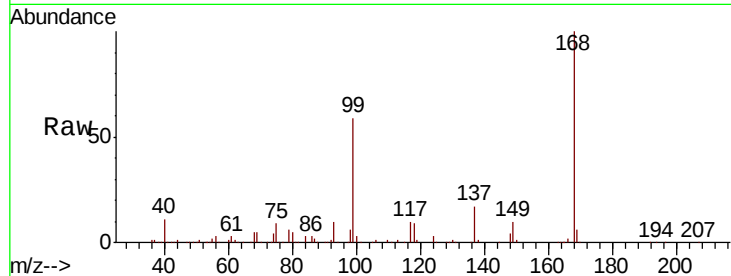
Tot Ion:117 Resp: 26285

Ion Ratio Lower Upper

117 100

119 5.2 75.4 113.0#

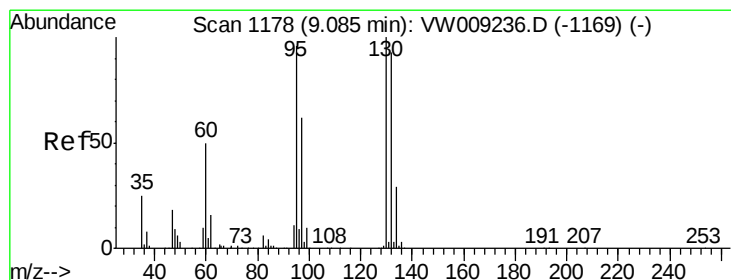
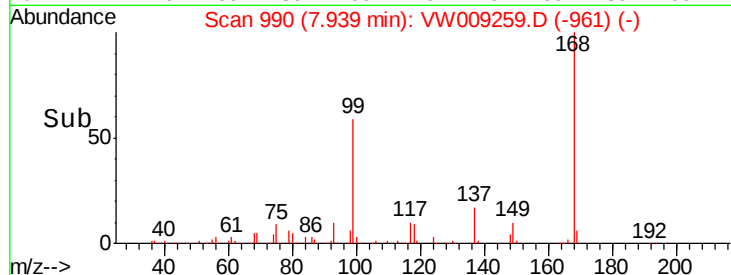
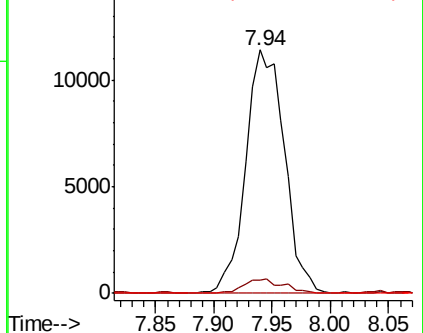
121 0.0 24.9 37.3#



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



#44

Trichloroethene

Concen: 14.262 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009259.D

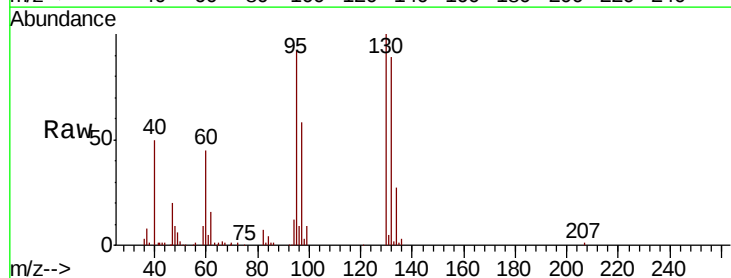
Acq: 20 Mar 2019 01:32

Tgt Ion:130 Resp: 46005

Ion Ratio Lower Upper

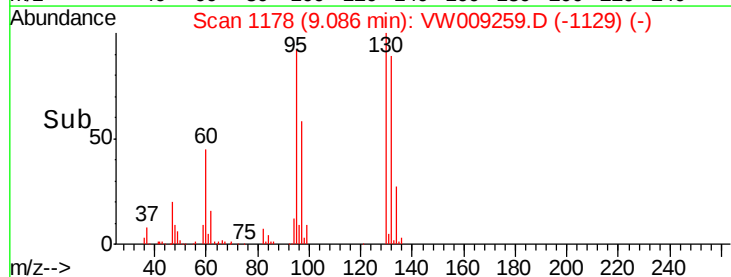
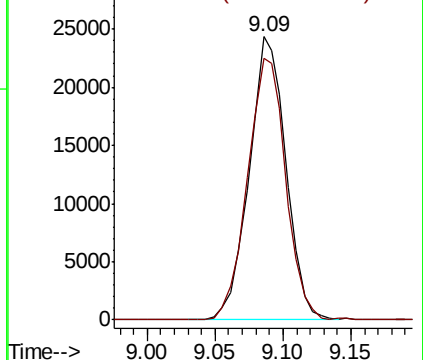
130 100

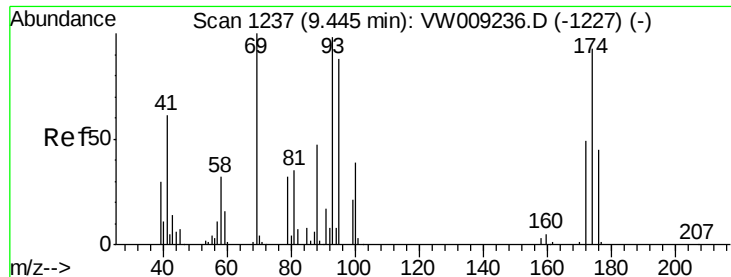
95 92.3 0.0 192.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#49

1,4-Dioxane

Concen: 1.528 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.03 min

Lab File: VW009259.D

Acq: 20 Mar 2019 01:32

Instrument :

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SB-10(6-7)-031519

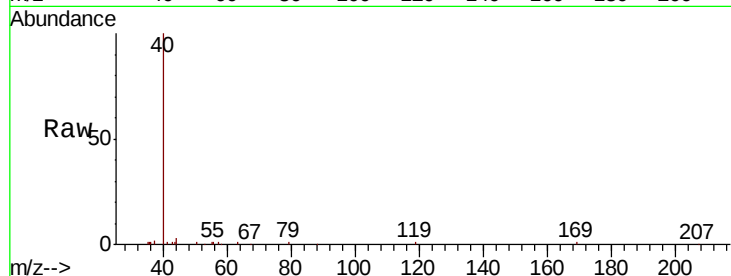
Tot Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 0.0 29.7 44.5#

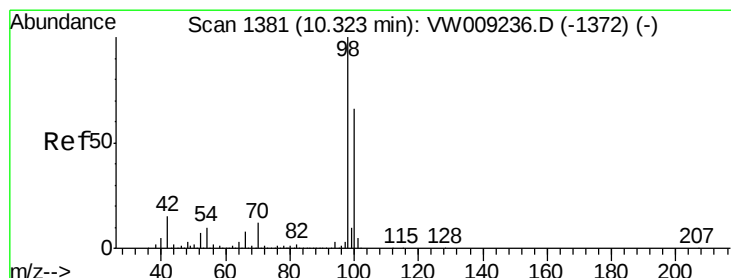
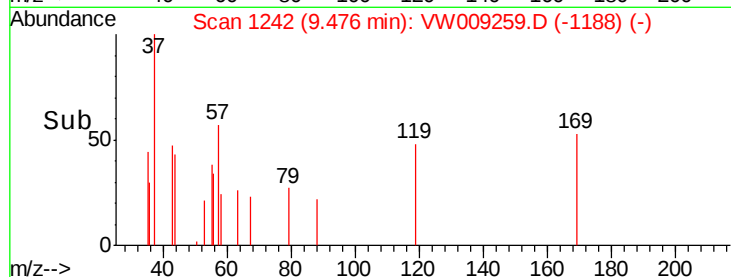
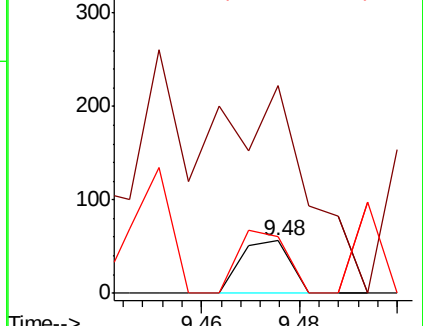
58 117.9 58.1 87.1#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.051 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009259.D

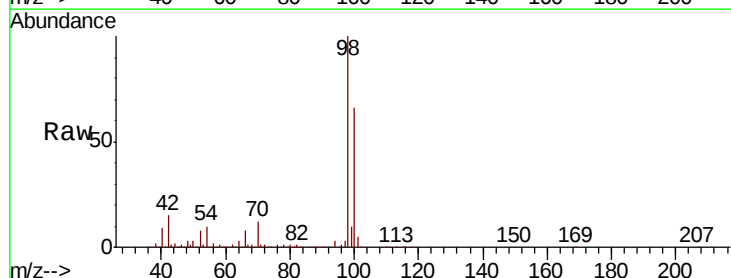
Acq: 20 Mar 2019 01:32

Tgt Ion: 98 Resp: 533663

Ion Ratio Lower Upper

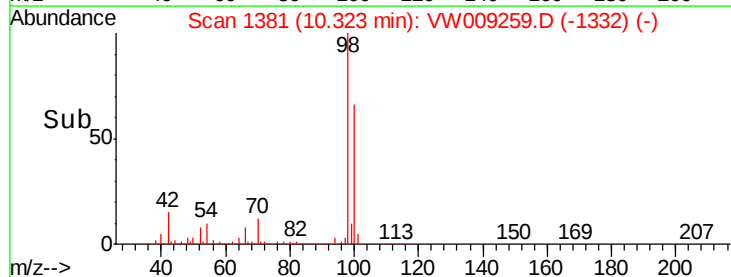
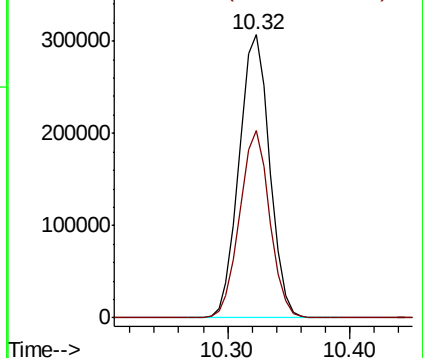
98 100

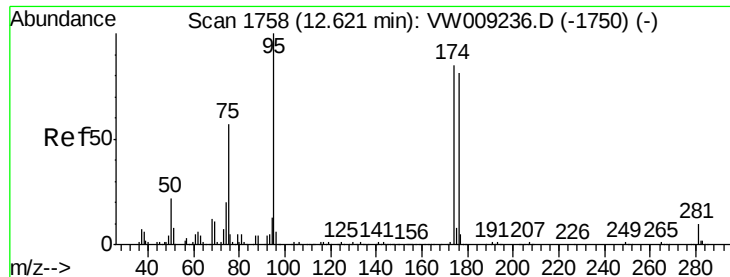
100 64.7 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 48.152 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009259.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampleId :

SB-10(6-7)-031519

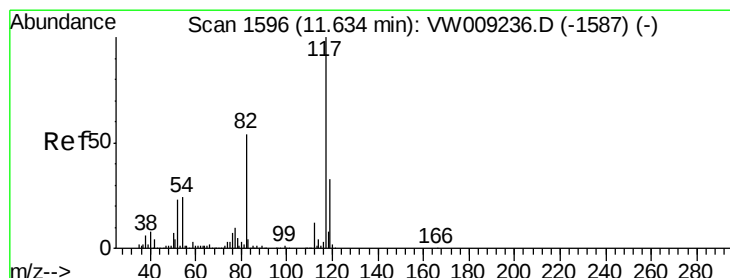
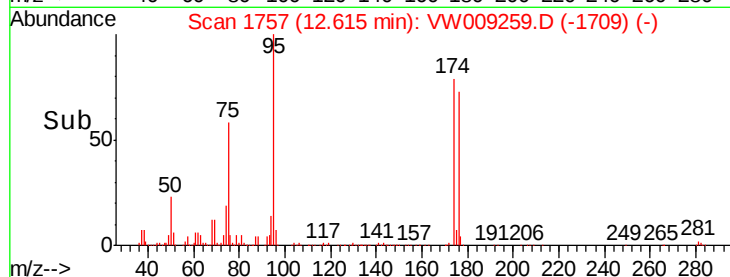
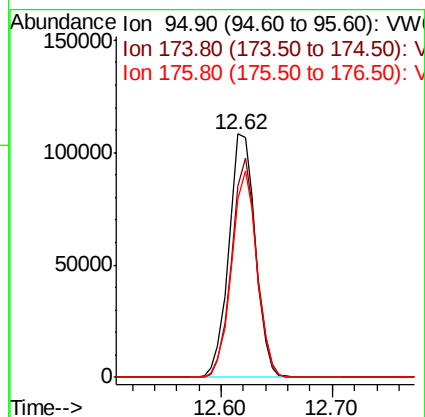
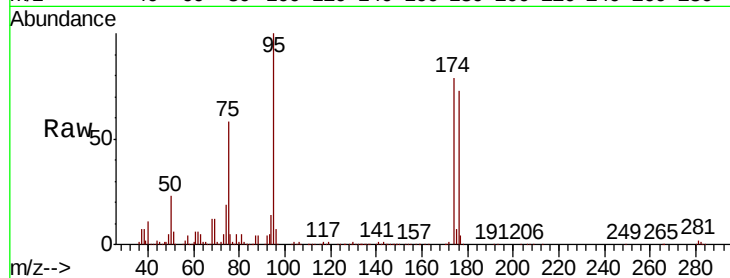
Tot Ion: 95 Resp: 177848

Ion Ratio Lower Upper

95 100

174 85.2 0.0 168.4

176 81.3 0.0 161.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009259.D

Acq: 20 Mar 2019 01:32

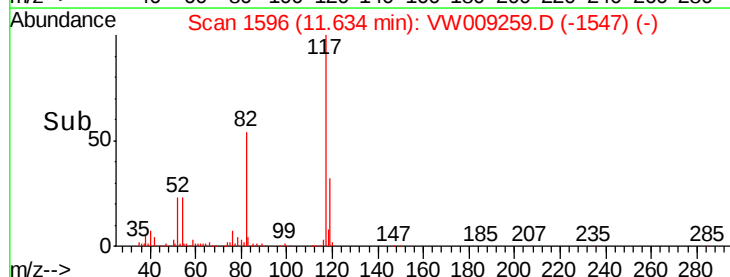
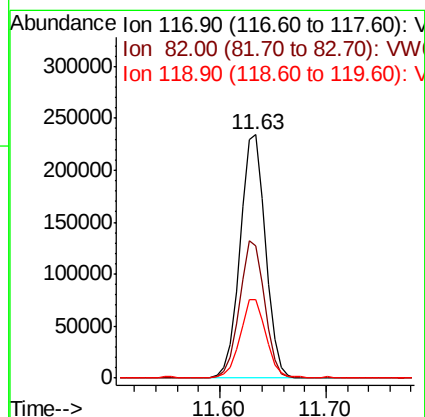
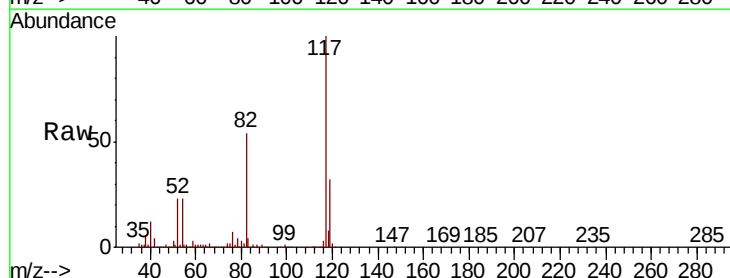
Tgt Ion: 117 Resp: 393314

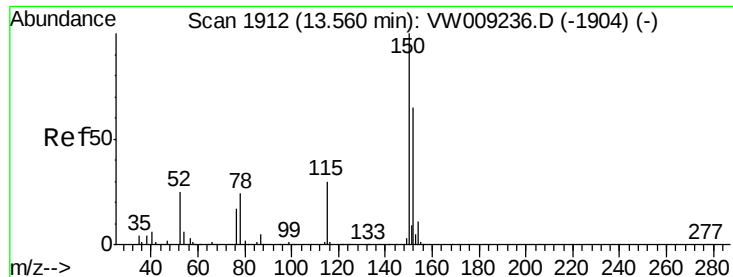
Ion Ratio Lower Upper

117 100

82 54.3 43.6 65.4

119 32.2 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009259.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampleId :

SB-10(6-7)-031519

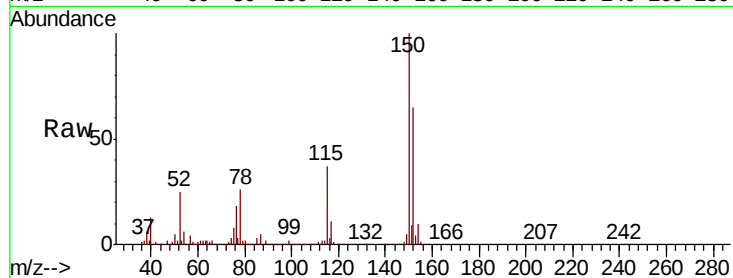
Tot Ion:152 Resp: 189406

Ion Ratio Lower Upper

152 100

115 57.8 29.6 88.8

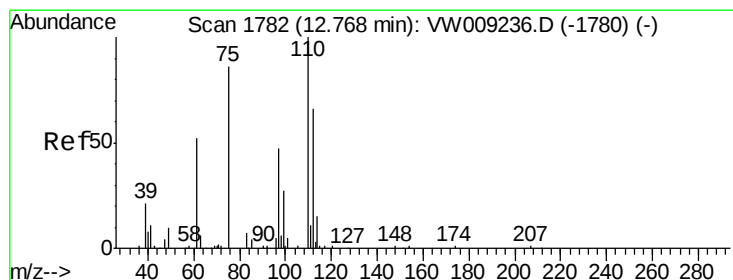
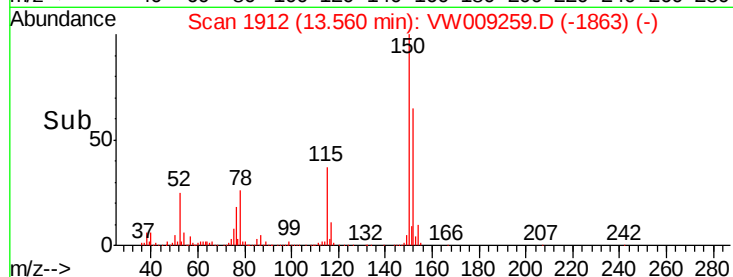
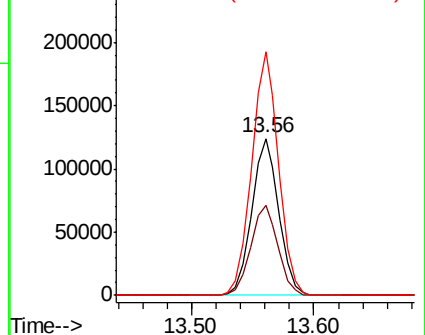
150 155.2 0.0 349.2



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: 55.473 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009259.D

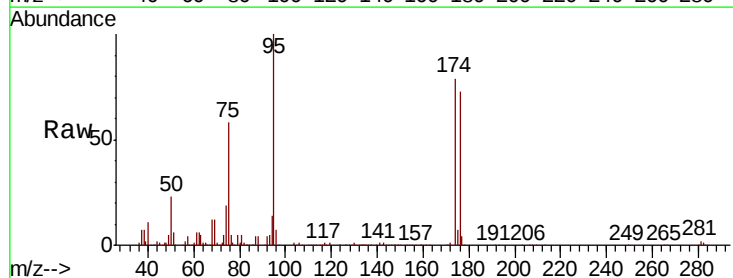
Acq: 20 Mar 2019 01:32

Tgt Ion: 75 Resp: 98736

Ion Ratio Lower Upper

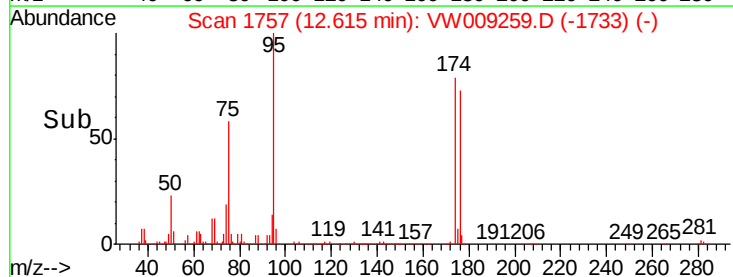
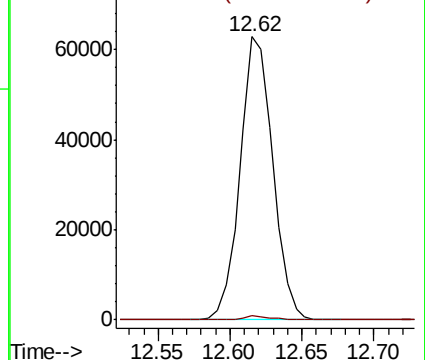
75 100

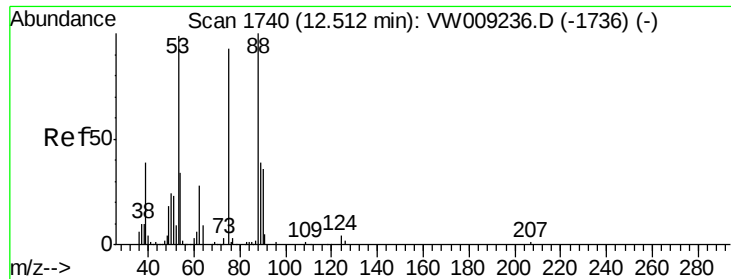
77 1.3 0.0 0.0#



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: 136.115 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009259.D

Acq: 20 Mar 2019 01:32

Instrument :

MSVOA_W

ClientSampleId :

SB-10(6-7)-031519

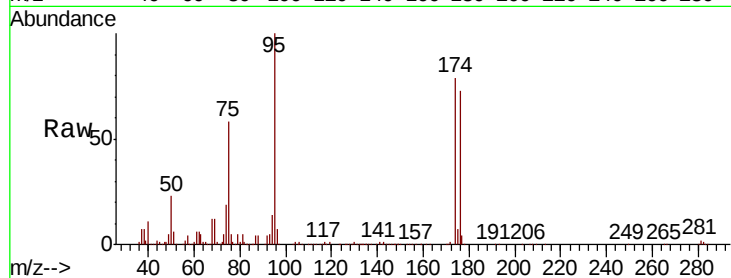
Tot Ion: 75 Resp: 98736

Ion Ratio Lower Upper

75 100

53 0.2 86.7 130.1#

89 0.2 36.4 54.6#



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

