

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008889.D
 Acq On : 28 Feb 2019 16:03
 Operator : SY/VA
 Sample : K1650-12
 Misc : 6.11G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-6(4-5)

Quant Time: Mar 01 06:01:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	363432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	554033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	445312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161629	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	195282	57.29	ug/l	0.00
Spiked Amount			Recovery	=	114.58%	
35) Dibromofluoromethane	7.88	113	164221	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	10.32	98	642202	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.62	95	186985	37.19	ug/l	0.00
Spiked Amount			Recovery	=	74.38%	

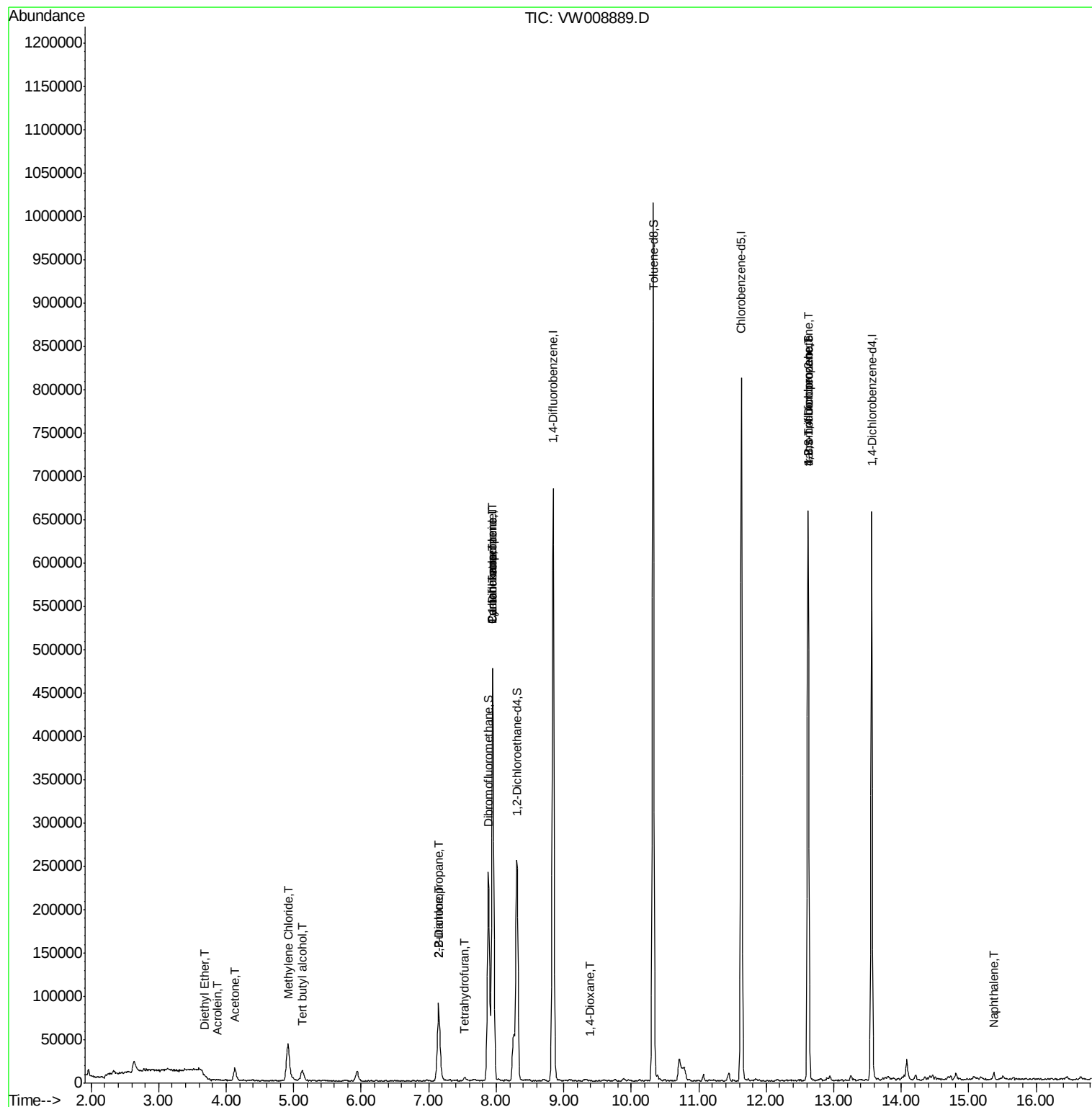
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1892	1.007	ug/l	55
11) Tert butyl alcohol	5.13	59	10592	34.904	ug/l #	73
13) Acrolein	3.88	56	173	20.278	ug/l #	14
16) Acetone	4.13	43	25591	32.390	ug/l	98
20) Methylene Chloride	4.91	84	30865	3.142	ug/l	94
25) 2-Butanone	7.15	43	7685	6.957	ug/l #	71
26) 2,2-Dichloropropane	7.14	77	6093	1.057	ug/l #	54
29) Tetrahydrofuran	7.54	42	2443	3.470	ug/l	92
31) Cyclohexane	7.95	56	8838	1.375	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	28135	5.217	ug/l #	50
38) Carbon Tetrachloride	7.95	117	35138	6.178	ug/l #	18
49) 1,4-Dioxane	9.39	88	128	3.949	ug/l #	21
76) 1,2,3-Trichloropropane	12.62	75	96649	72.425	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	96649	176.072	ug/l #	6
95) Naphthalene	15.37	128	6075	1.023	ug/l #	90

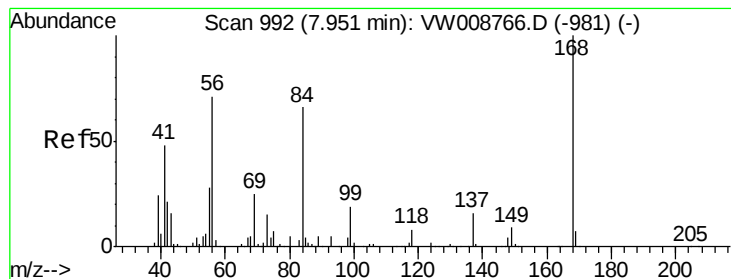
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022819\
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ClientSampleId :
B-6(4-5)

Quant Time: Mar 01 06:01:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampled :

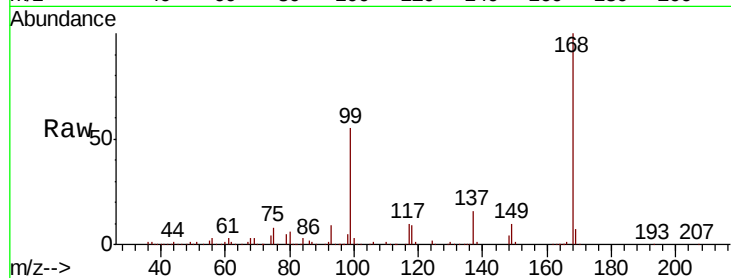
B-6(4-5)

Tot Ion:168 Resp: 363432

Ion Ratio Lower Upper

168 100

99 54.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

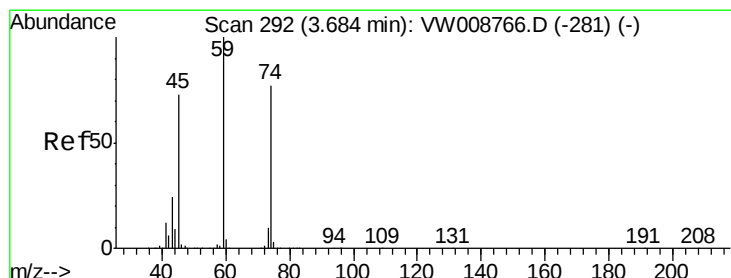
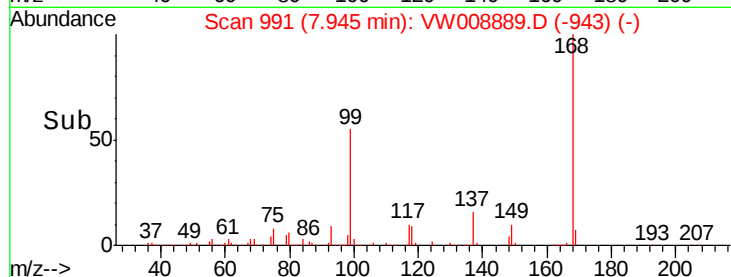
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.007 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW008889.D

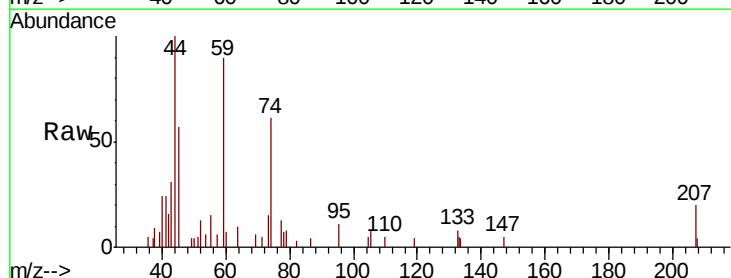
Acq: 28 Feb 2019 16:03

Tgt Ion: 74 Resp: 1892

Ion Ratio Lower Upper

74 100

45 145.7 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

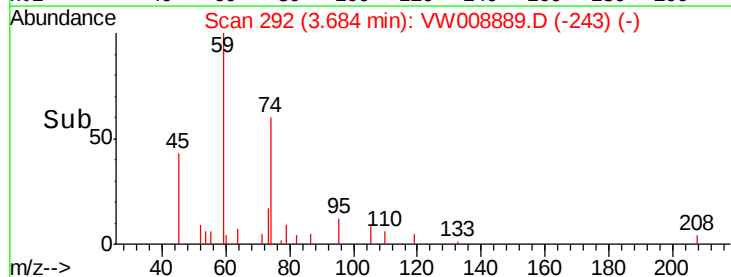
600

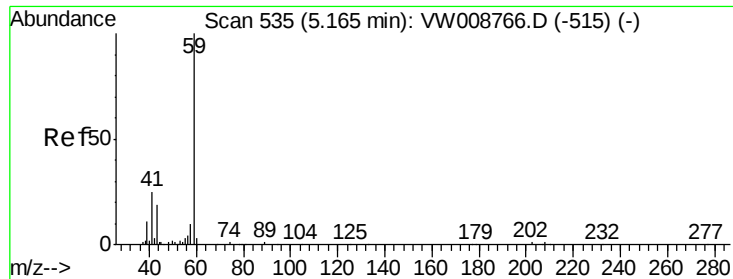
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200

0

Time-->

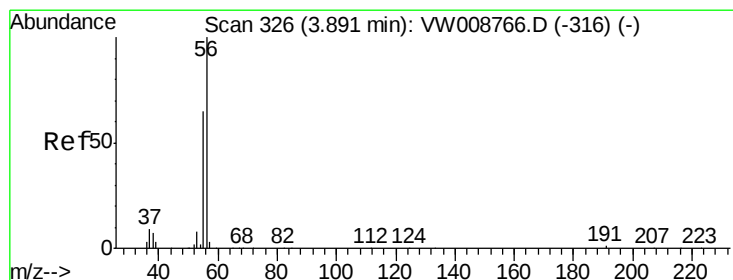
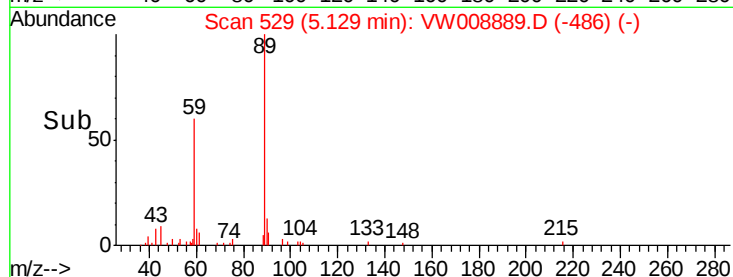
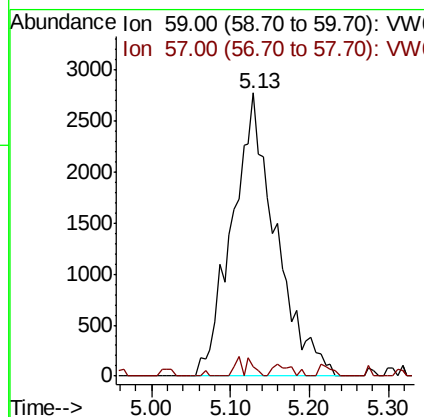
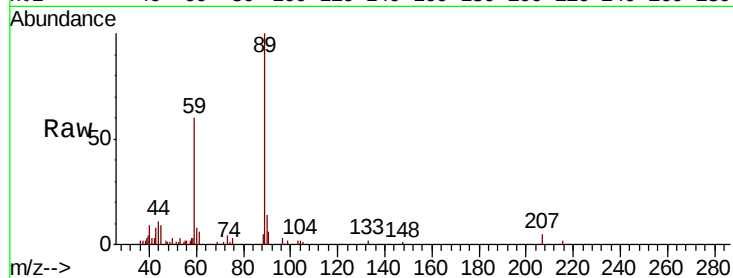




#11
Tert butyl alcohol
Concen: 34.904 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW008889.D
Acq: 28 Feb 2019 16:03

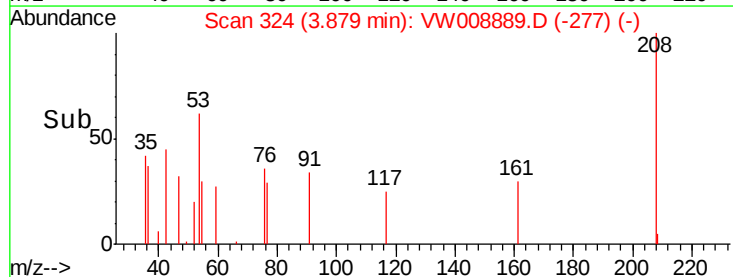
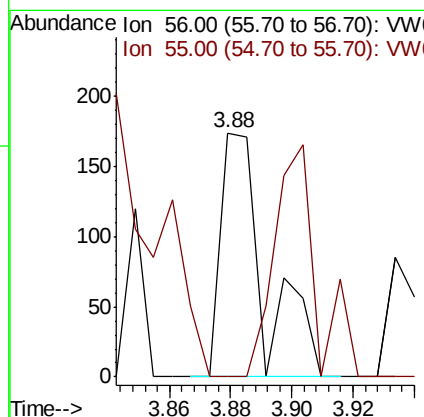
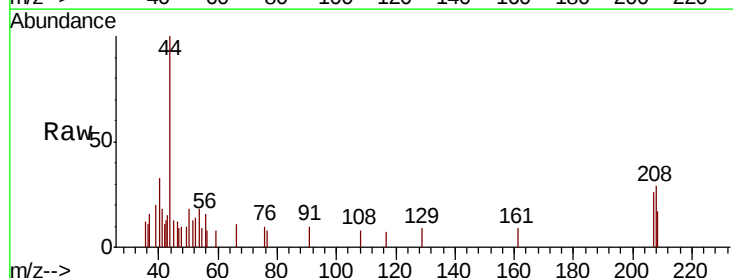
Instrument :
MSVOA_W
ClientSampled :
B-6(4-5)

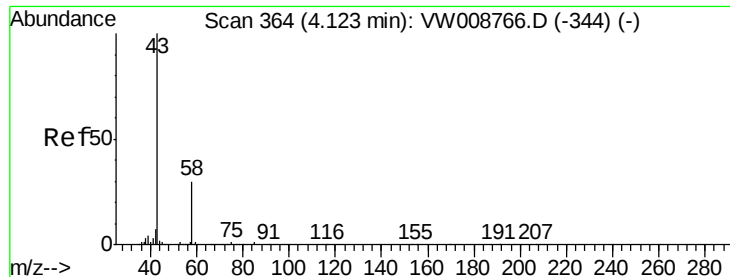
Tot Ion: 59 Resp: 10592
Ion Ratio Lower Upper
59 100
57 1.2 9.3 13.9#



#13
Acrolein
Concen: 20.278 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008889.D
Acq: 28 Feb 2019 16:03

Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#16

Acetone

Concen: 32.390 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampled :

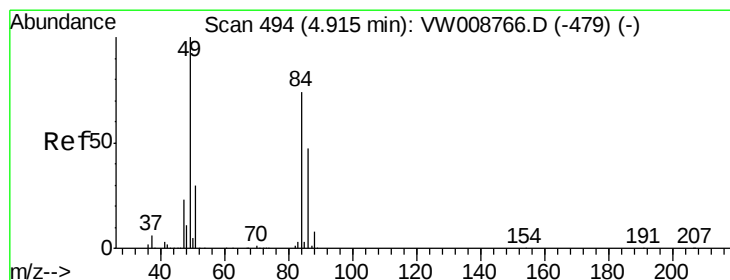
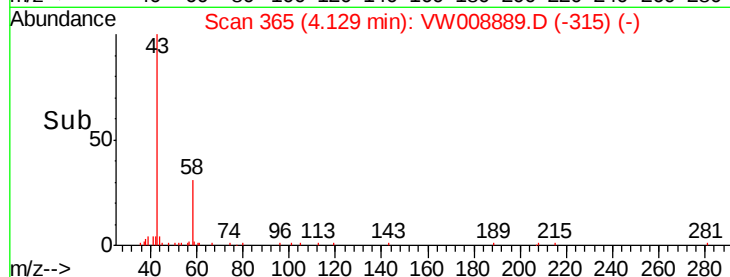
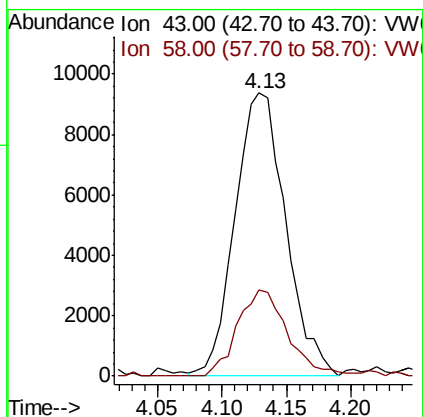
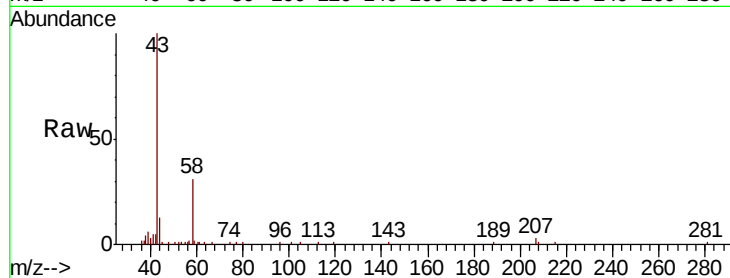
B-6(4-5)

Tot Ion: 43 Resp: 25591

Ion Ratio Lower Upper

43 100

58 30.6 23.8 35.6



#20

Methylene Chloride

Concen: 3.142 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

Tgt Ion: 84 Resp: 30865

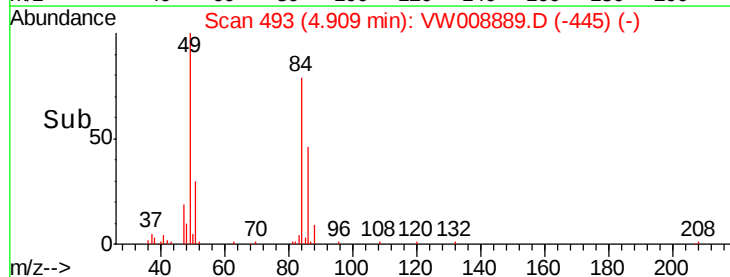
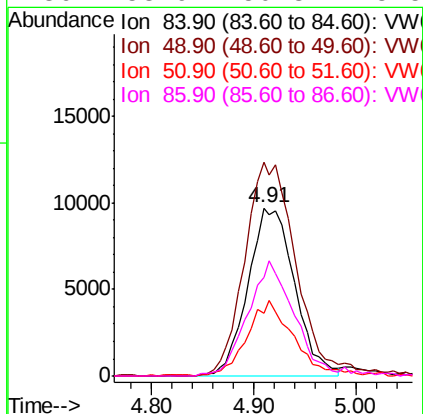
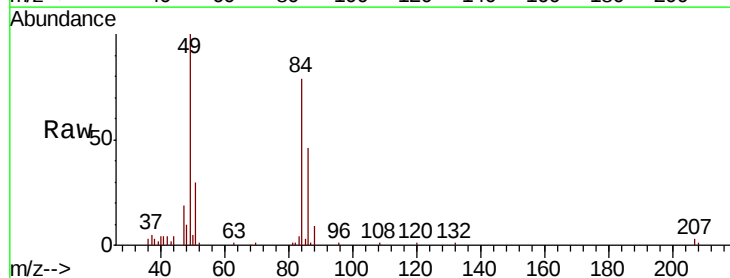
Ion Ratio Lower Upper

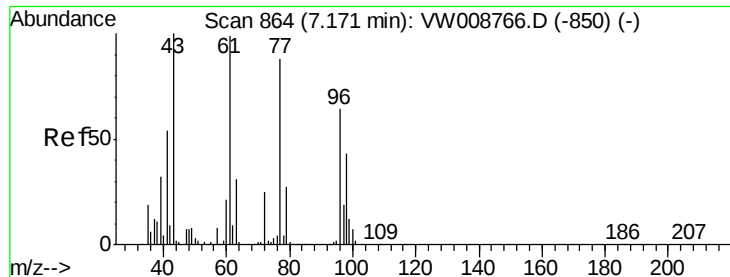
84 100

49 127.1 108.2 162.2

51 36.9 32.7 49.1

86 58.9 50.3 75.5





#25

2-Butanone

Concen: 6.957 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampled :

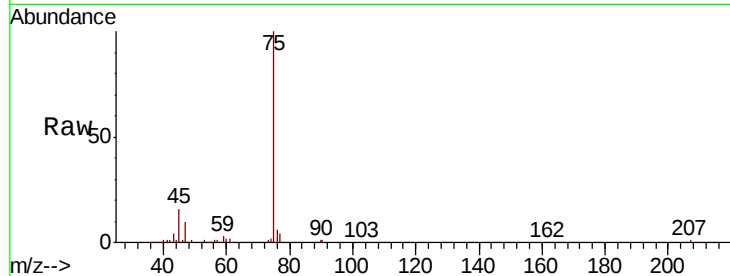
B-6(4-5)

Tot Ion: 43 Resp: 7685

Ion Ratio Lower Upper

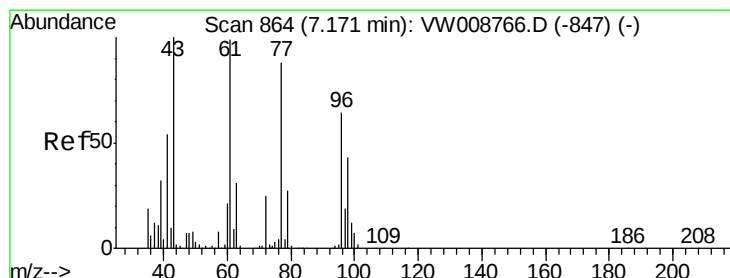
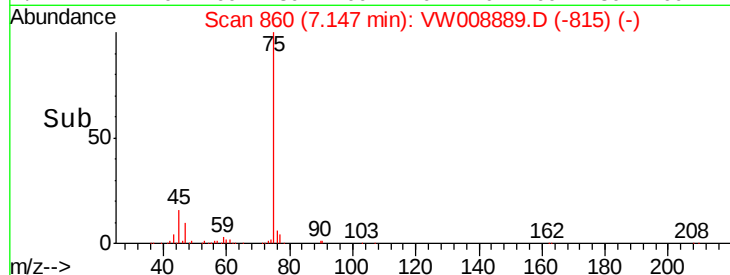
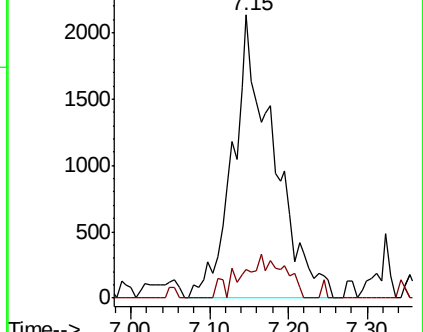
43 100

72 10.3 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.057 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008889.D

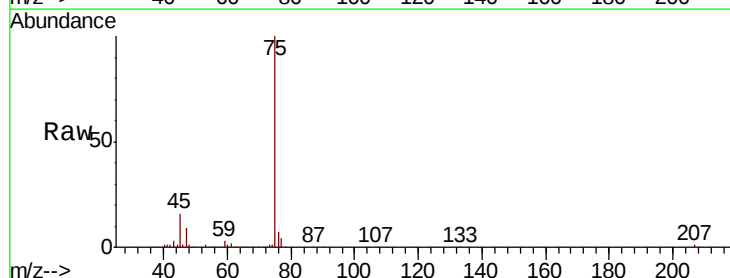
Acq: 28 Feb 2019 16:03

Tgt Ion: 77 Resp: 6093

Ion Ratio Lower Upper

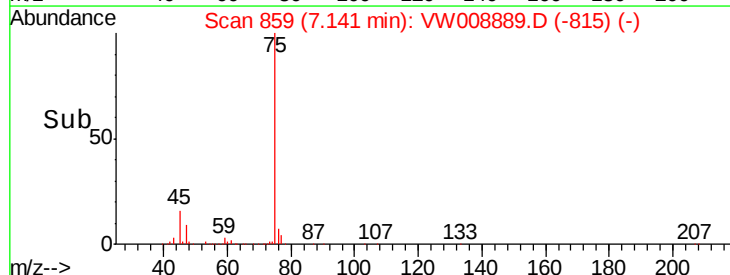
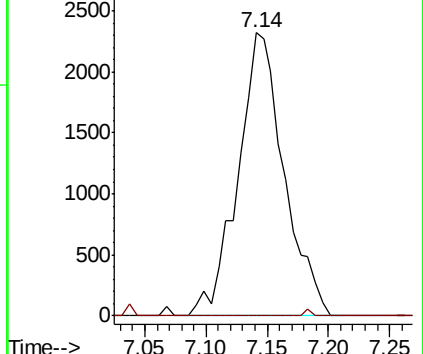
77 100

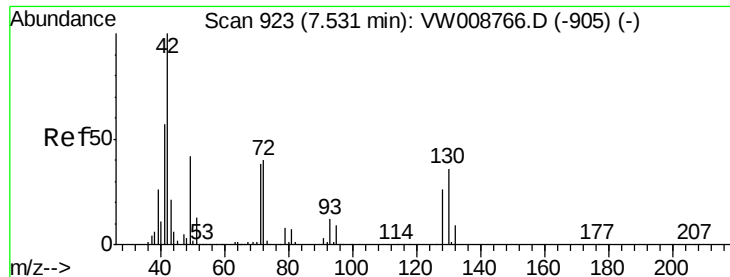
97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

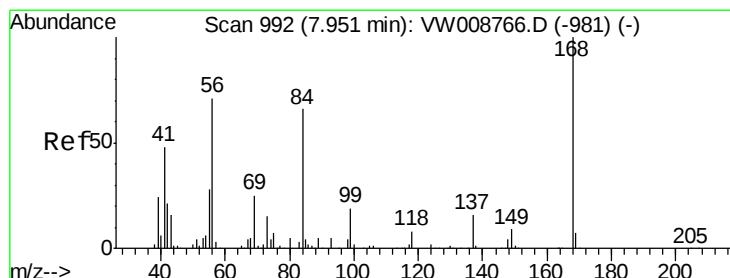
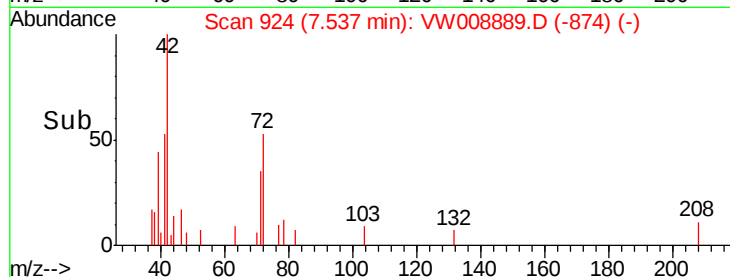
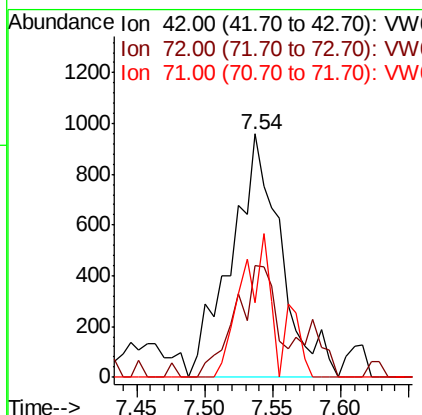
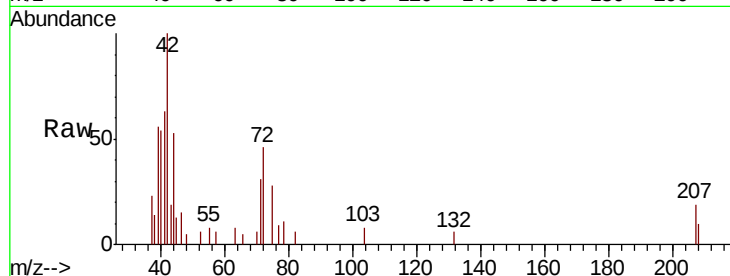




#29
Tetrahydrofuran
Concen: 3.470 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008889.D
Acq: 28 Feb 2019 16:03

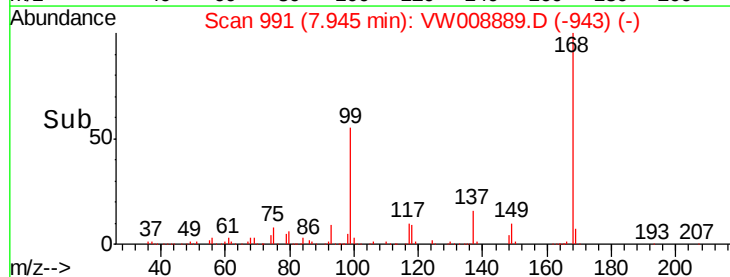
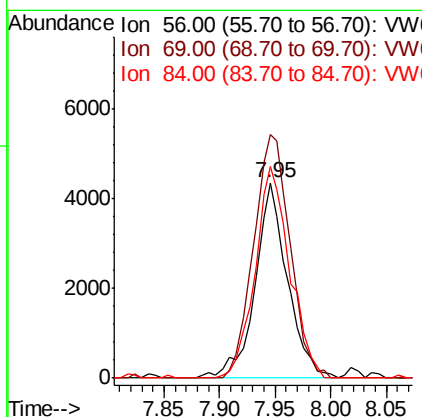
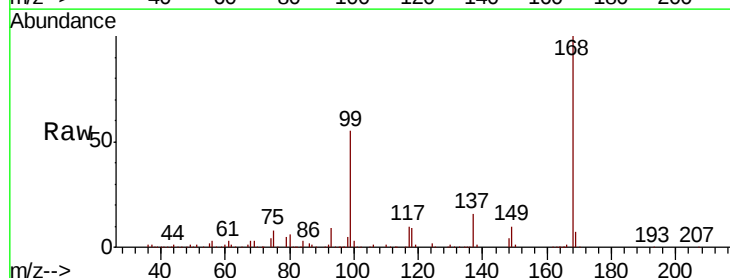
Instrument :
MSVOA_W
ClientSampled :
B-6(4-5)

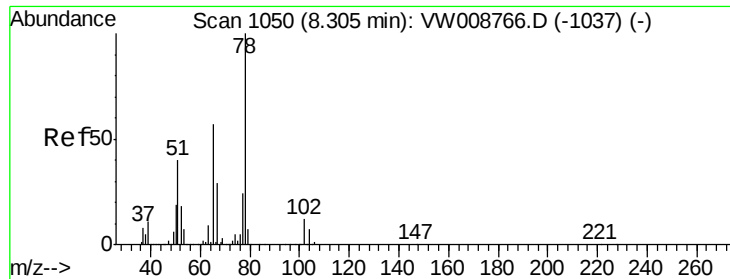
Tot Ion: 42 Resp: 2443
Ion Ratio Lower Upper
42 100
72 37.4 32.7 49.1
71 33.1 31.3 46.9



#31
Cyclohexane
Concen: 1.375 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008889.D
Acq: 28 Feb 2019 16:03

Tgt Ion: 56 Resp: 8838
Ion Ratio Lower Upper
56 100
69 124.5 28.2 42.4#
84 108.3 74.1 111.1

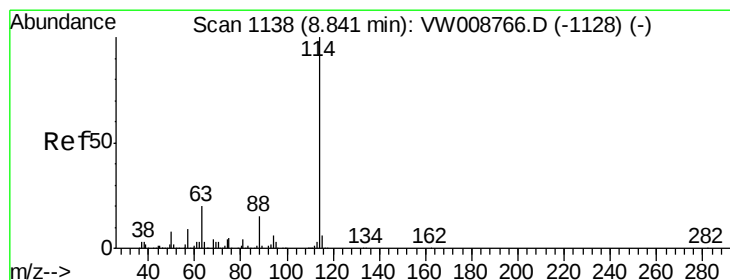
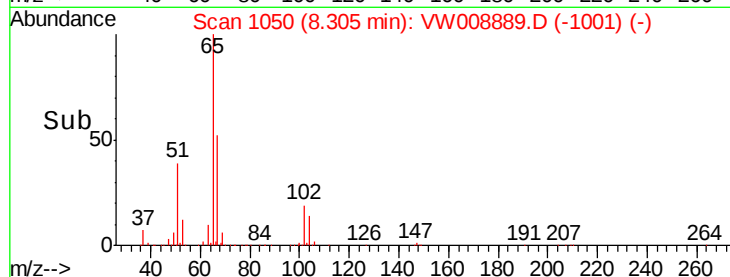
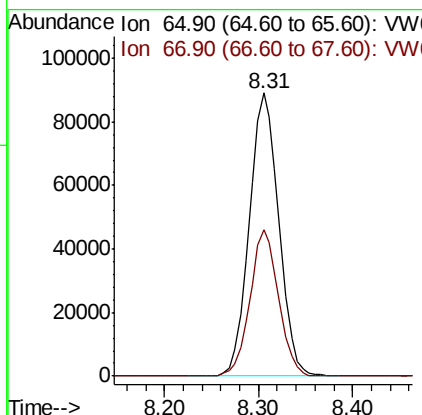
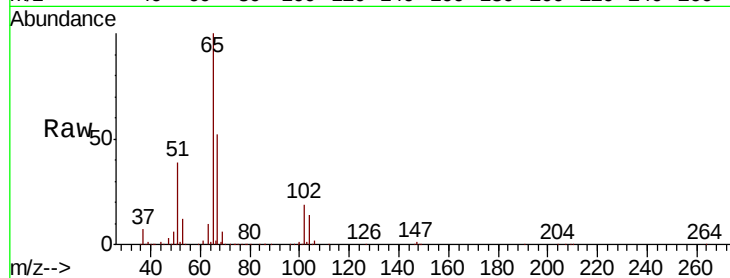




#33
 1,2-Dichloroethane-d4
 Concen: 57.290 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008889.D
 Acq: 28 Feb 2019 16:03

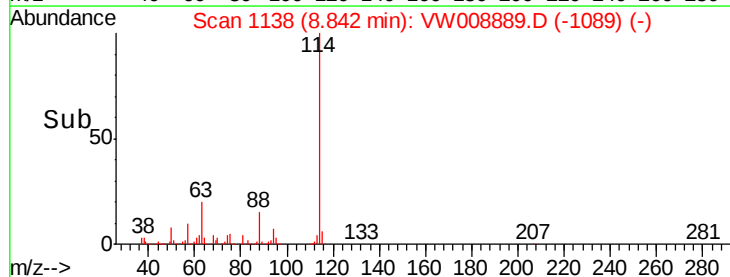
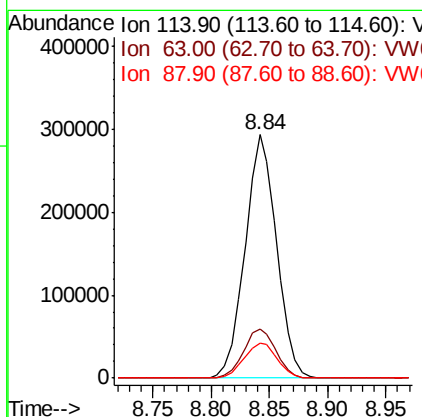
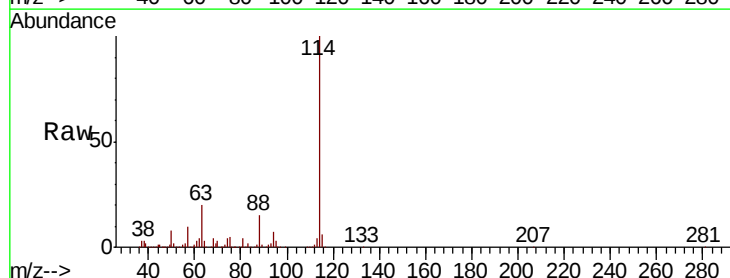
Instrument :
 MSVOA_W
 ClientSampleId :
 B-6(4-5)

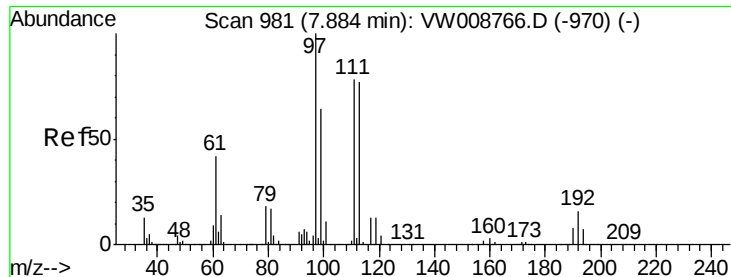
Tot Ion: 65 Resp: 195282
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008889.D
 Acq: 28 Feb 2019 16:03

Tgt Ion: 114 Resp: 554033
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 14.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.368 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

B-6(4-5)

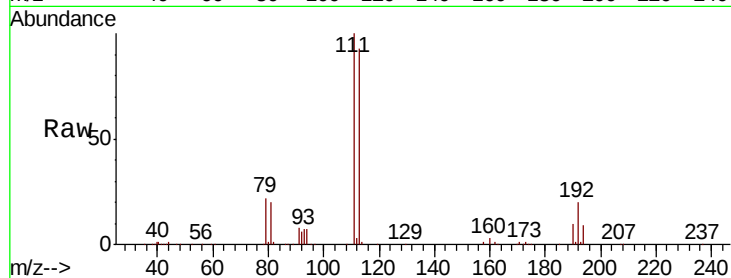
Tot Ion:113 Resp: 164221

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

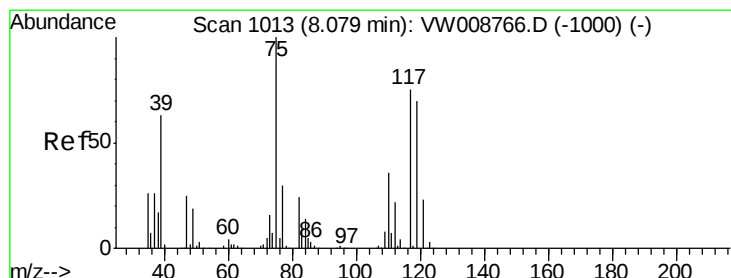
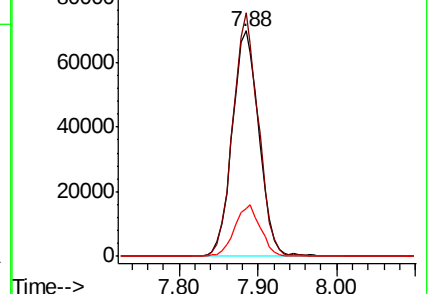
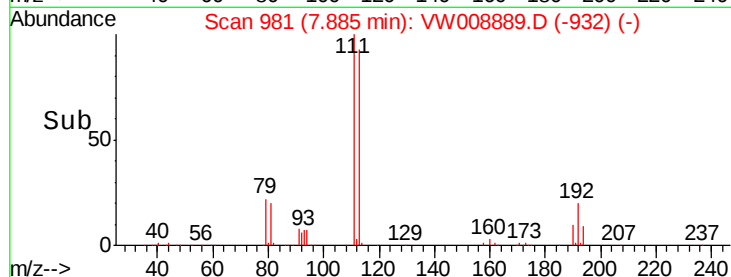
192 21.9 17.1 25.7



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: 5.217 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

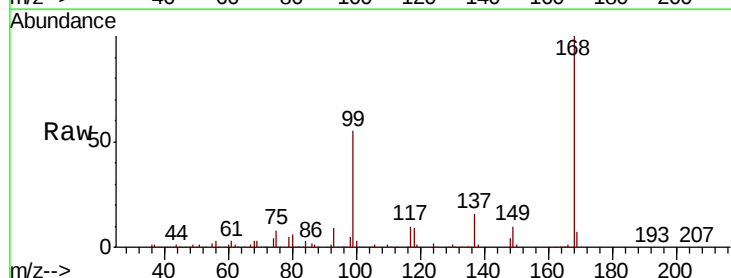
Tgt Ion: 75 Resp: 28135

Ion Ratio Lower Upper

75 100

110 9.0 17.5 52.6#

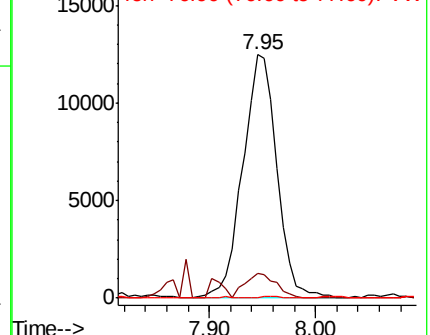
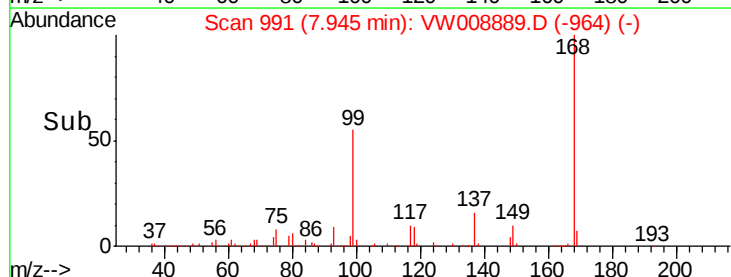
77 0.2 24.5 36.7#

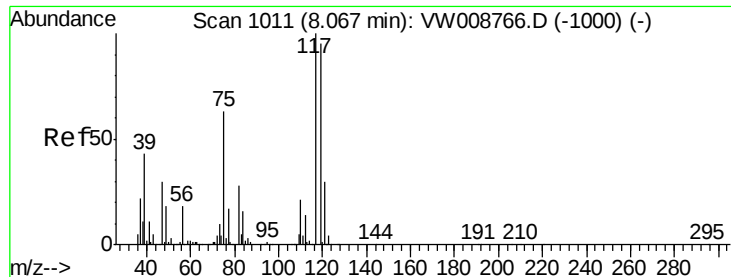


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.178 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampled :

B-6(4-5)

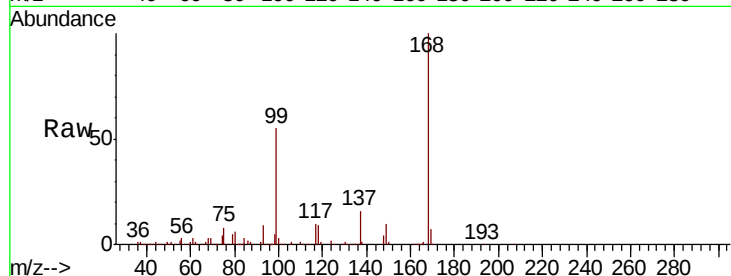
Tot Ion:117 Resp: 35138

Ion Ratio Lower Upper

117 100

119 7.5 76.1 114.1#

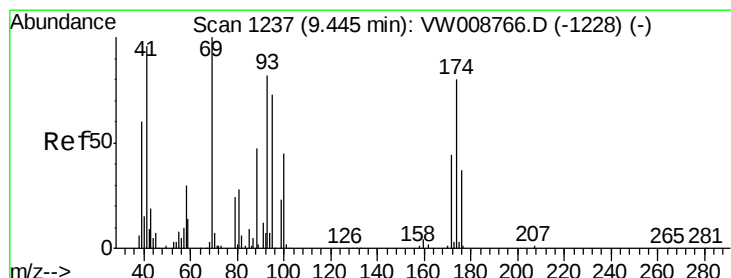
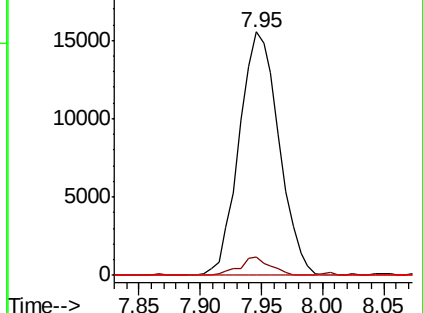
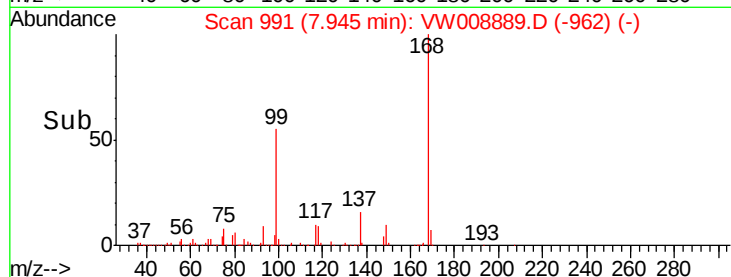
121 0.0 24.0 36.0#



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



#49

1,4-Dioxane

Concen: 3.949 ug/l

RT: 9.39 min Scan# 1228

Delta R.T. -0.05 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

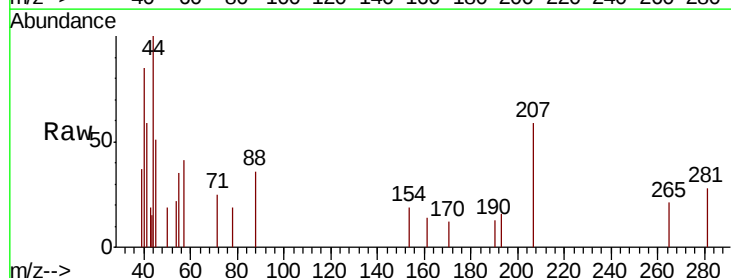
Tgt Ion: 88 Resp: 128

Ion Ratio Lower Upper

88 100

43 102.3 29.0 43.4#

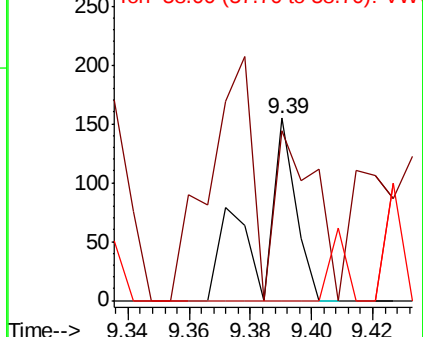
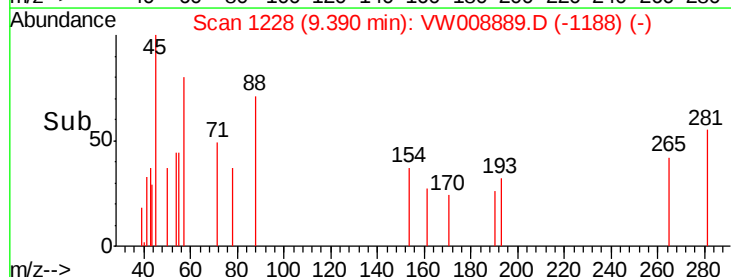
58 17.2 52.0 78.0#

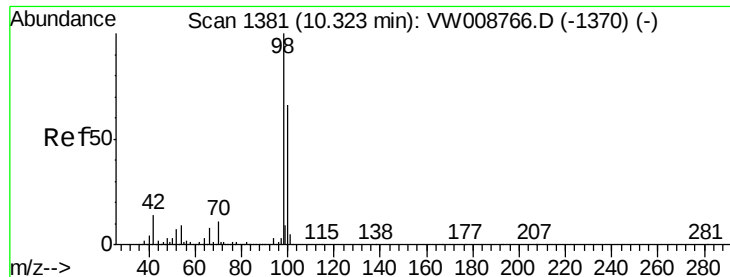


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 50.011 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

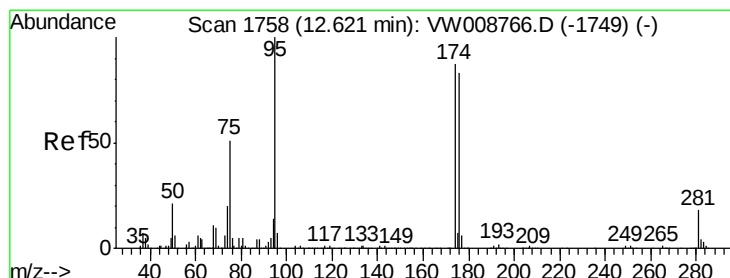
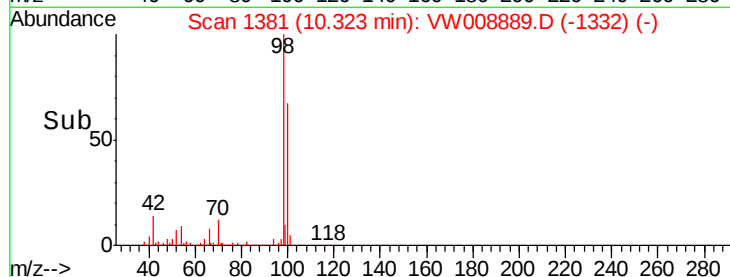
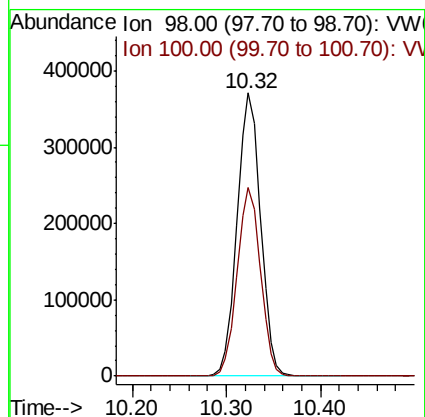
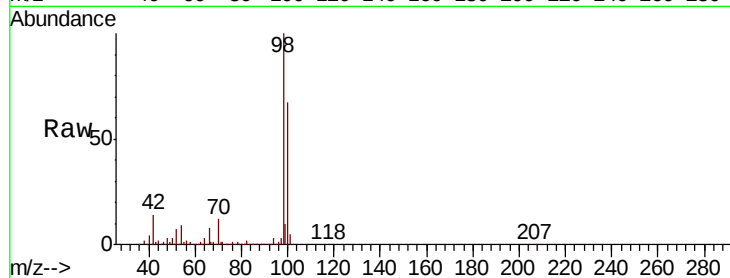
B-6(4-5)

Tot Ion: 98 Resp: 642202

Ion Ratio Lower Upper

98 100

100 66.4 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 37.190 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

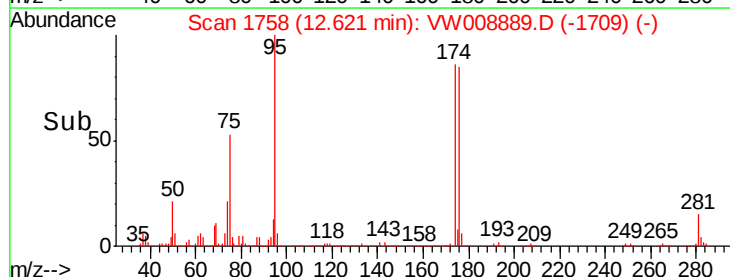
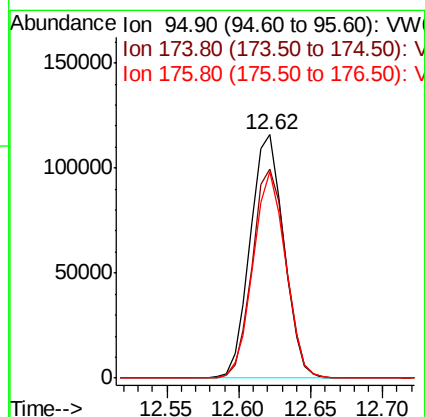
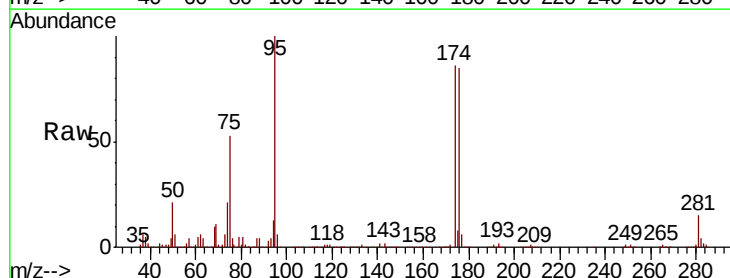
Tgt Ion: 95 Resp: 186985

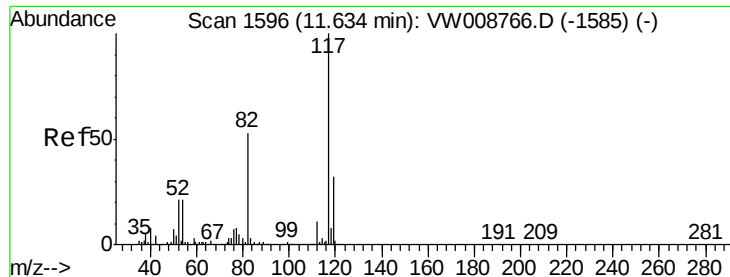
Ion Ratio Lower Upper

95 100

174 85.8 0.0 169.2

176 82.1 0.0 163.6

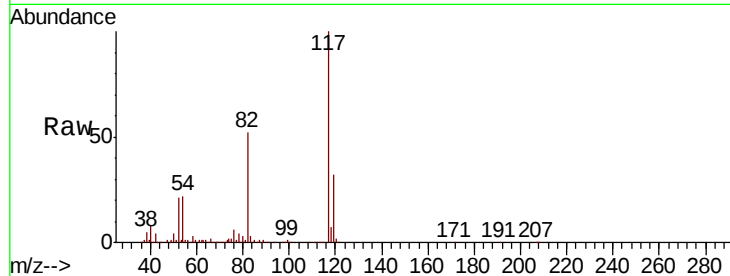




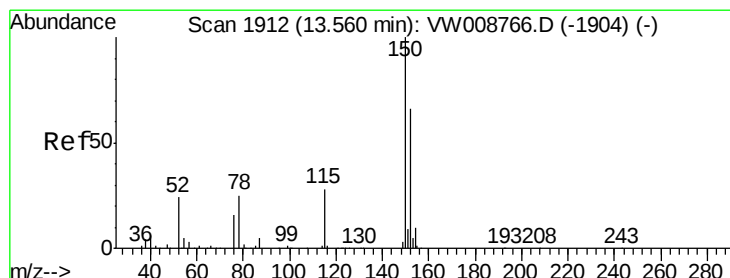
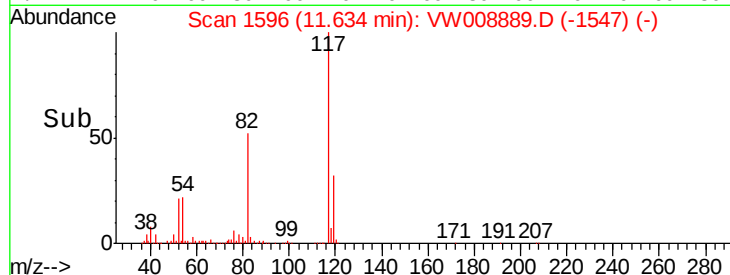
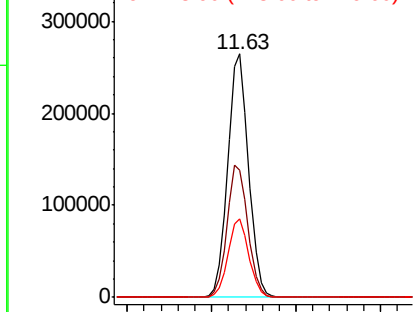
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008889.D
Acq: 28 Feb 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
B-6(4-5)

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.2	63.4
119	32.0	25.9	38.9

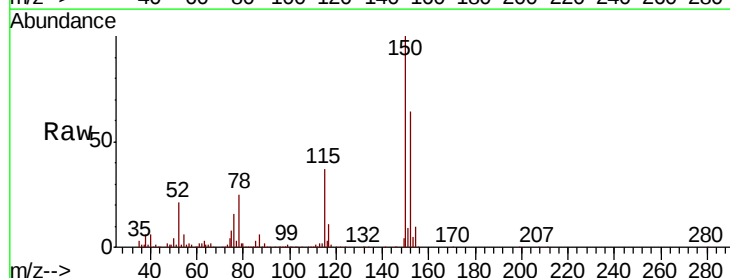


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

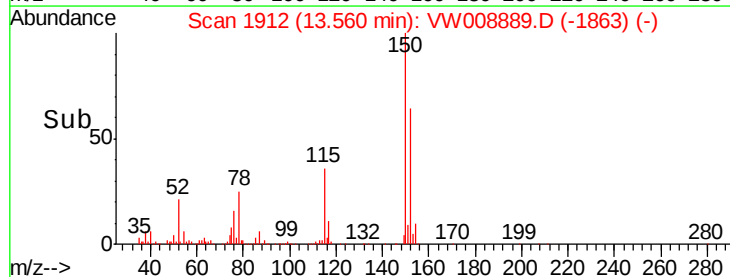
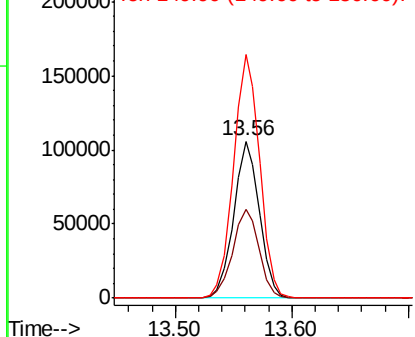


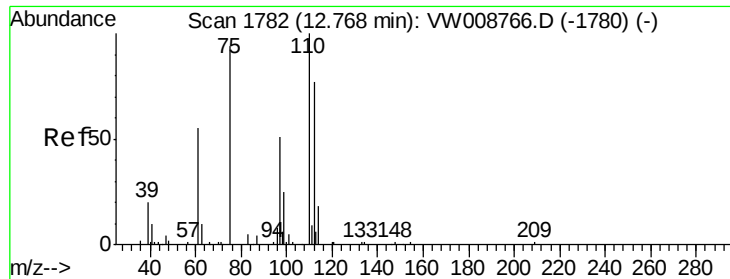
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008889.D
Acq: 28 Feb 2019 16:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.6	85.8
150	158.5	0.0	348.0



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: 72.425 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

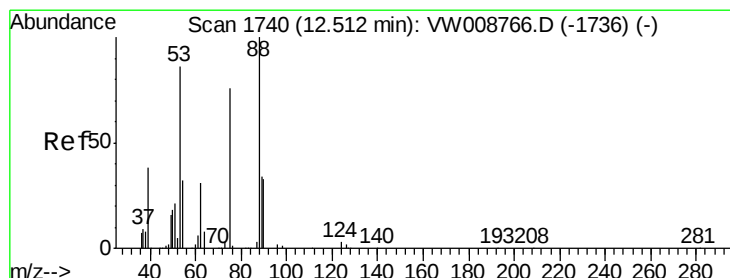
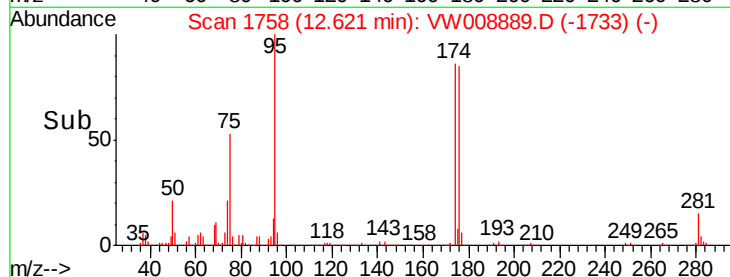
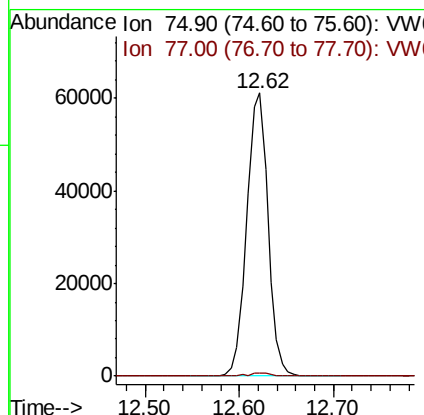
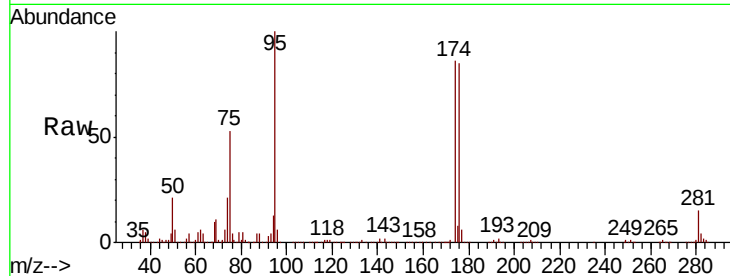
B-6(4-5)

Tot Ion: 75 Resp: 96649

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 176.072 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

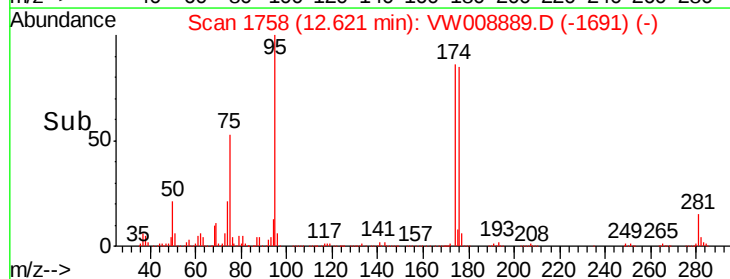
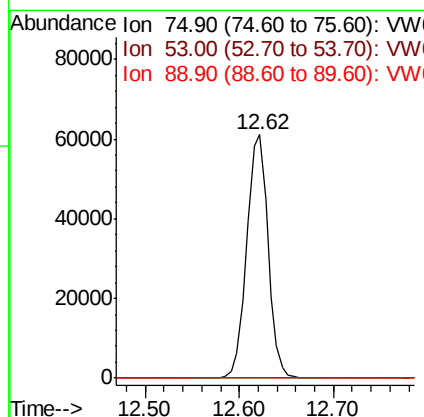
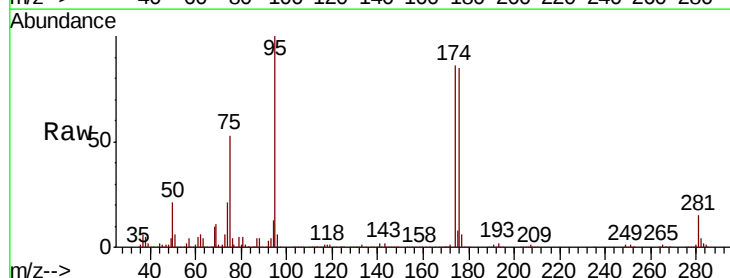
Tgt Ion: 75 Resp: 96649

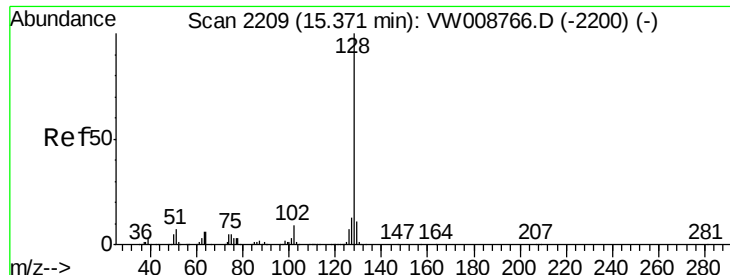
Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 1.023 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008889.D

Acq: 28 Feb 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

B-6(4-5)

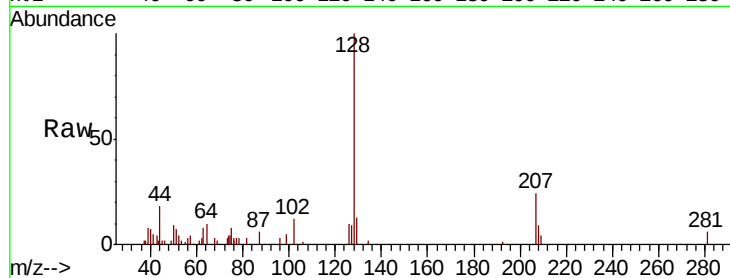
Tot Ion:128 Resp: 6075

Ion Ratio Lower Upper

128 100

127 6.5 10.8 16.2#

129 10.5 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

