

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
 Data File : VW009141.D
 Acq On : 13 Mar 2019 07:36
 Operator : SY/VA
 Sample : K1687-03RE
 Misc : 7.03G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-031119-B

Quant Time: Mar 13 08:25:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	330796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	465751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	208317	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	196879	59.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.32%	
35) Dibromofluoromethane	7.88	113	161432	51.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.60%	
50) Toluene-d8	10.32	98	631826	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.62	95	214097	42.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.16%	

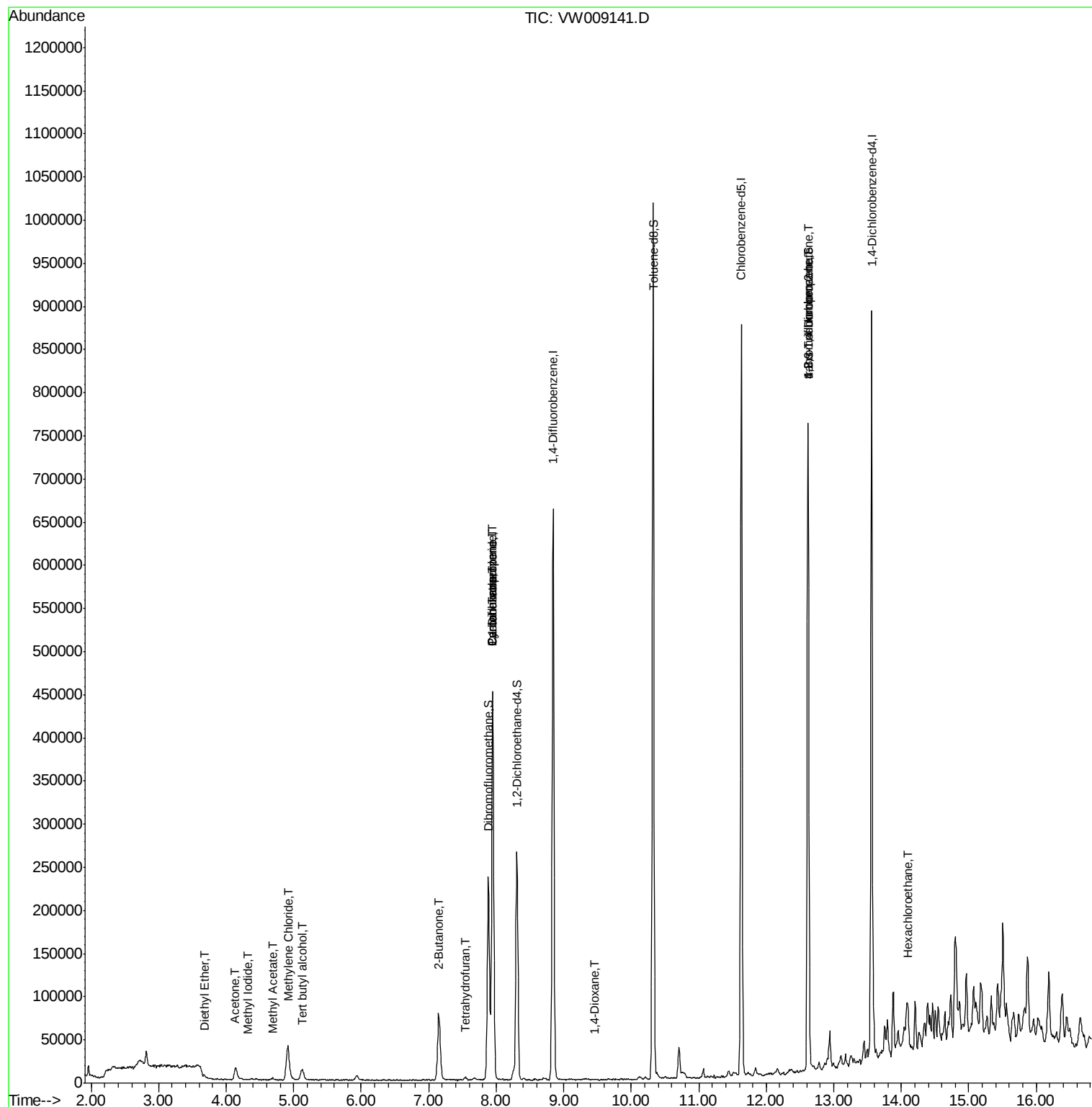
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1829	1.081	ug/l	90
10) Methyl Iodide	4.32	142	89	3.210	ug/l #	40
11) Tert butyl alcohol	5.13	59	10919	42.814	ug/l #	72
16) Acetone	4.14	43	26225	34.919	ug/l #	89
18) Methyl Acetate	4.69	43	3424	1.983	ug/l	99
20) Methylene Chloride	4.91	84	28781	3.051	ug/l	92
25) 2-Butanone	7.16	43	6408	6.174	ug/l #	86
29) Tetrahydrofuran	7.54	42	2429	3.714	ug/l #	78
31) Cyclohexane	7.95	56	8296	1.337	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	26019	4.761	ug/l #	51
38) Carbon Tetrachloride	7.95	117	33959	6.017	ug/l #	18
49) 1,4-Dioxane	9.45	88	31	1.085	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	117893	71.629	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	117893	160.216	ug/l #	5
90) Hexachloroethane	14.10	117	2700	1.089	ug/l #	10

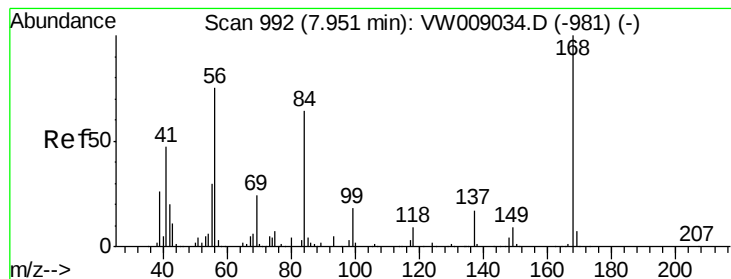
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009141.D

Acq: 13 Mar 2019 07:36

Instrument :

MSVOA_W

ClientSampleId :

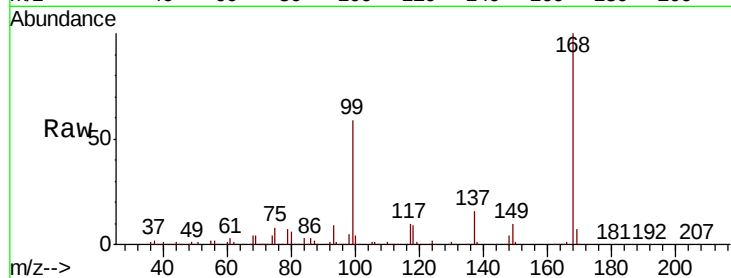
HR-06-031119-B

Tgt Ion:168 Resp: 330796

Ion Ratio Lower Upper

168 100

99 58.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

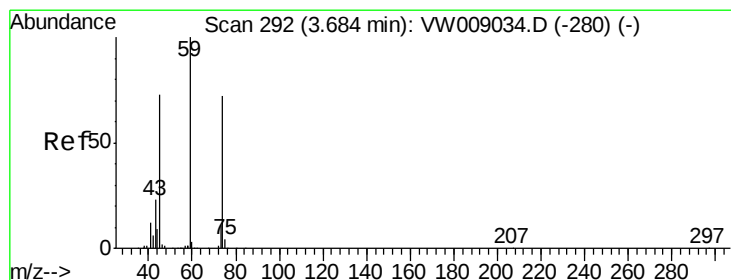
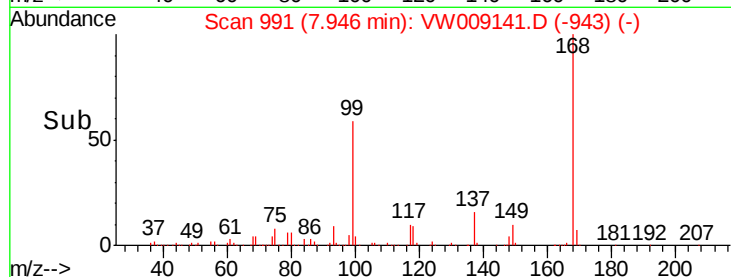
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.081 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW009141.D

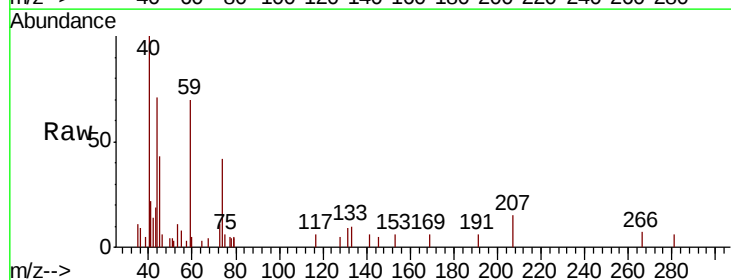
Acq: 13 Mar 2019 07:36

Tgt Ion: 74 Resp: 1829

Ion Ratio Lower Upper

74 100

45 115.0 52.3 157.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

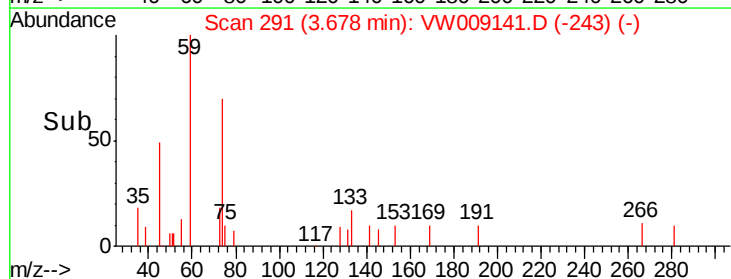
600

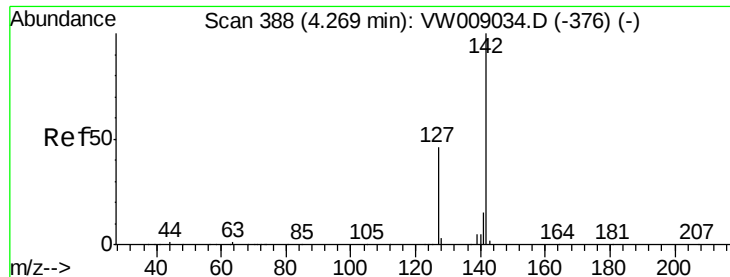
400

200

0

Time--> 3.60 3.65 3.70 3.75

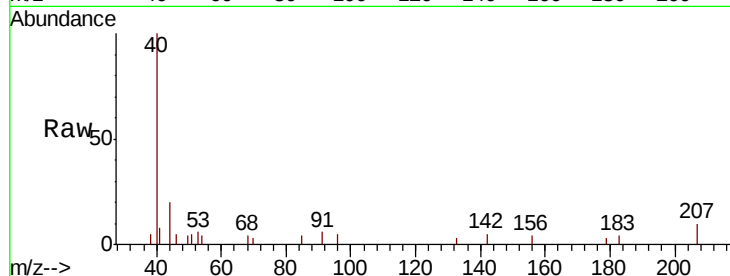




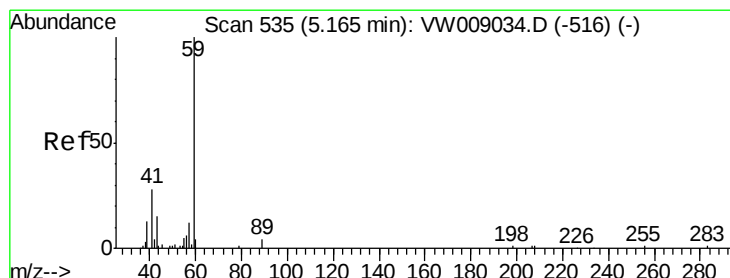
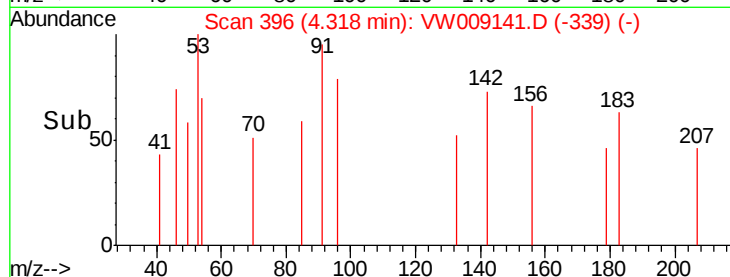
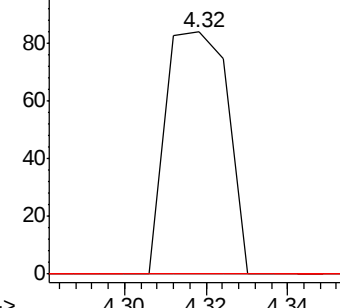
#10
Methyl Iodide
Concen: 3.210 ug/l
RT: 4.32 min Scan# 396
Delta R.T. 0.05 min
Lab File: VW009141.D
Acq: 13 Mar 2019 07:36

Instrument :
MSVOA_W
ClientSampleId :
HR-06-031119-B

Tgt Ion: 142 Resp: 89
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.6#
141 0.0 11.8 17.8#

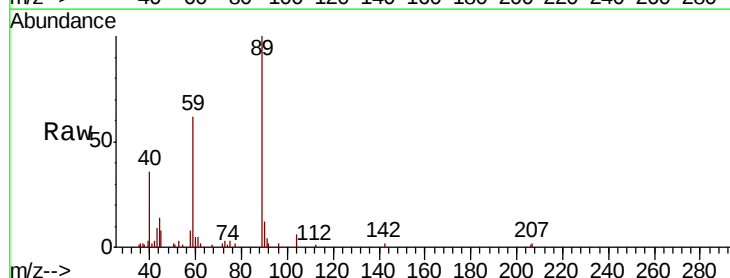


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

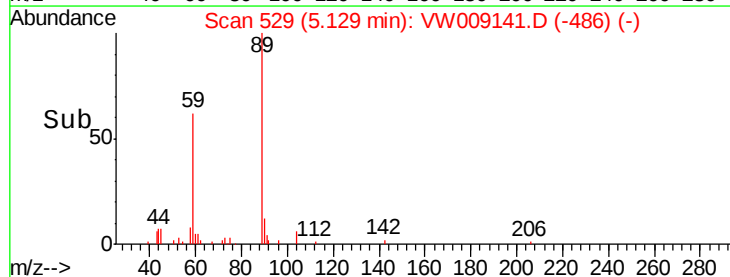
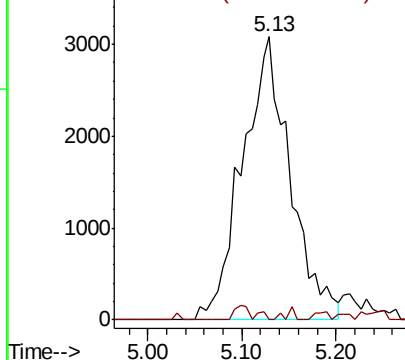


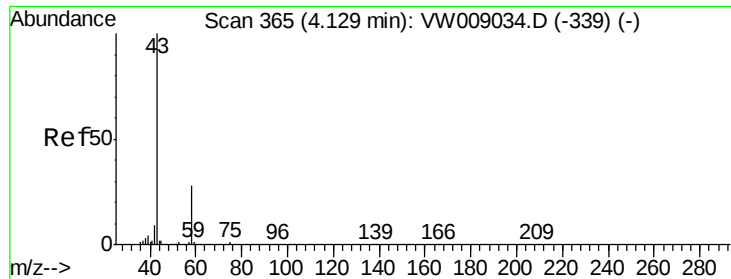
#11
Tert butyl alcohol
Concen: 42.814 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW009141.D
Acq: 13 Mar 2019 07:36

Tgt Ion: 59 Resp: 10919
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 34.919 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009141.D

Acq: 13 Mar 2019 07:36

Instrument :

MSVOA_W

ClientSampleId :

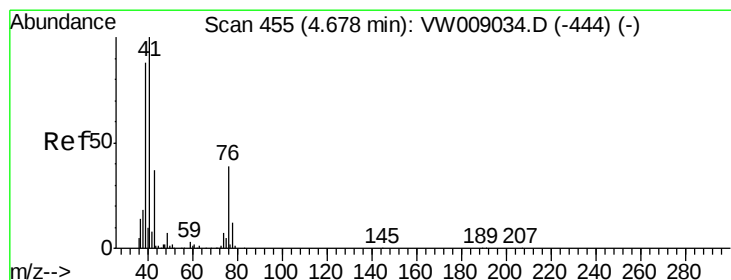
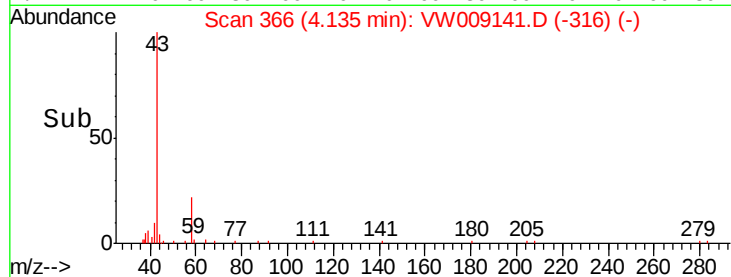
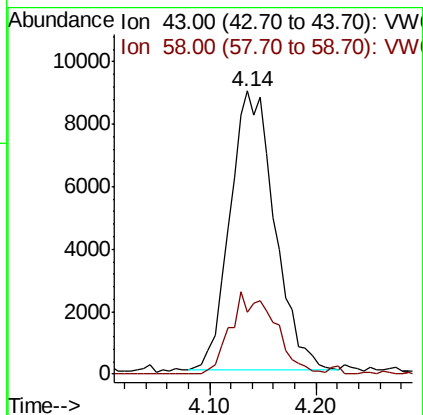
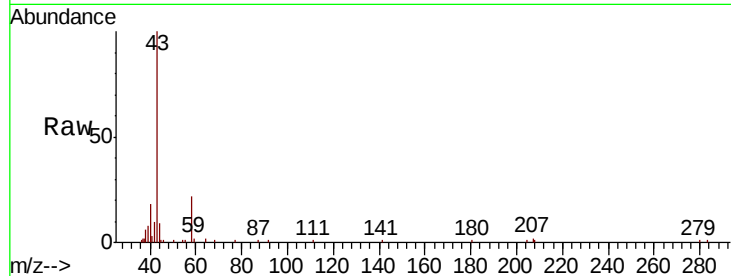
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Tgt Ion: 43 Resp: 26225

Ion Ratio Lower Upper

43 100

58 22.4 22.5 33.7#



#18

Methyl Acetate

Concen: 1.983 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW009141.D

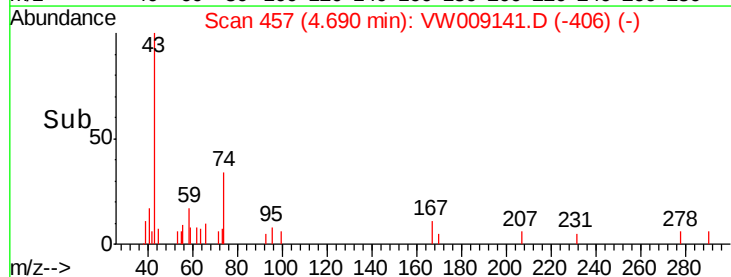
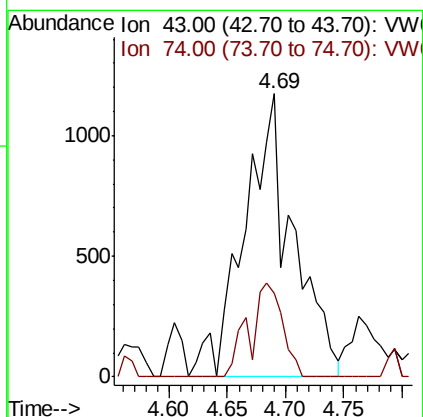
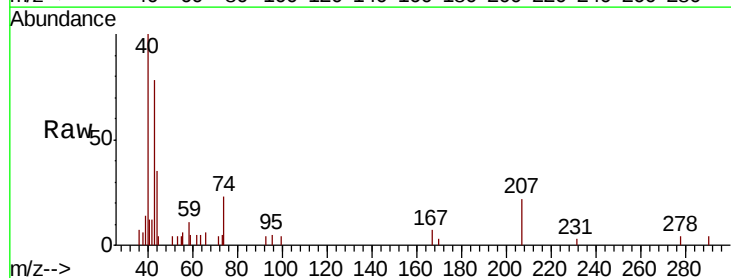
Acq: 13 Mar 2019 07:36

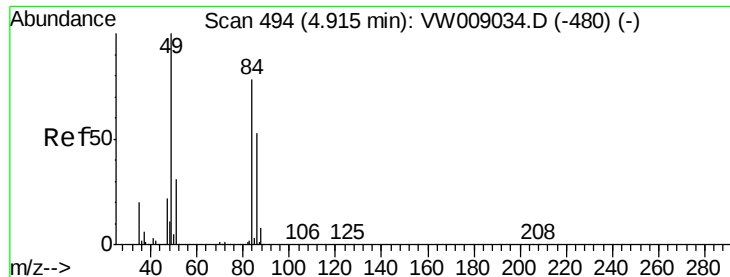
Tgt Ion: 43 Resp: 3424

Ion Ratio Lower Upper

43 100

74 22.5 17.6 26.4

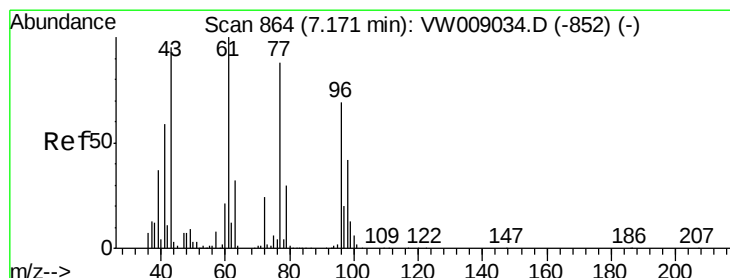
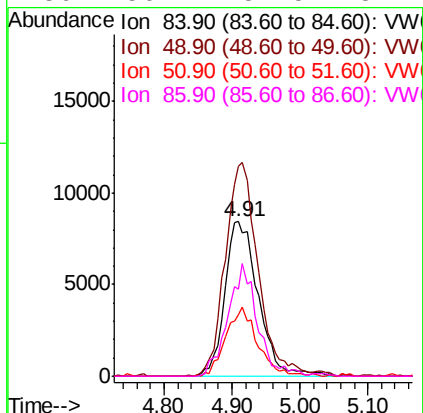
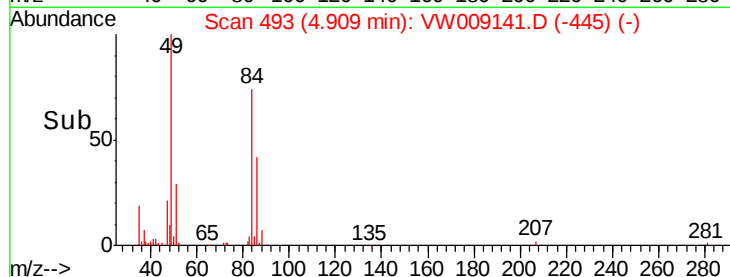
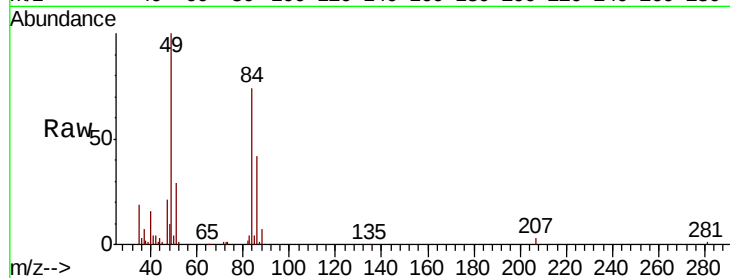




#20
Methylene Chloride
Concen: 3.051 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009141.D
Acq: 13 Mar 2019 07:36

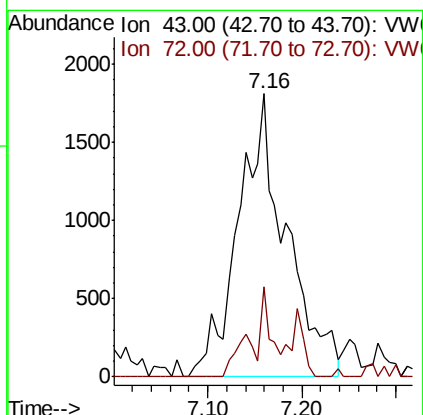
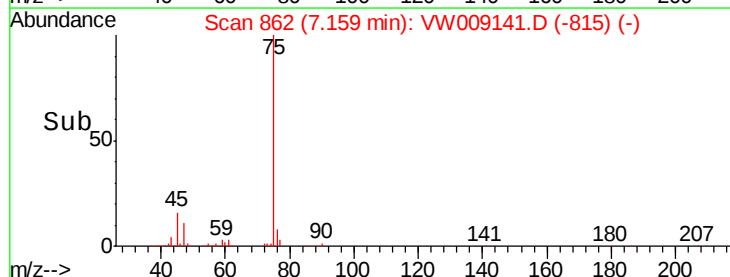
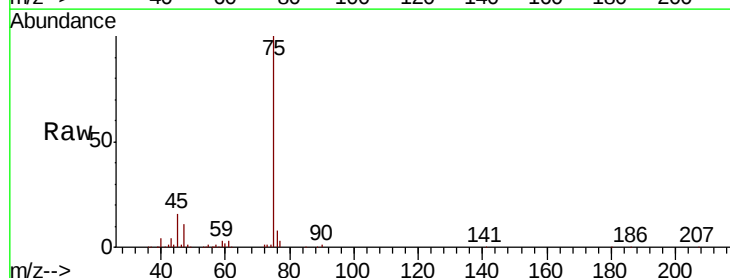
Instrument :
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ClientSampled :
HR-06-031119-B

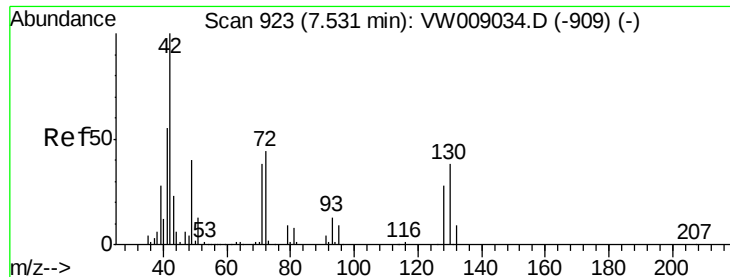
Tgt Ion: 84 Resp: 28781
Ion Ratio Lower Upper
84 100
49 135.2 102.4 153.6
51 40.0 31.6 47.4
86 56.7 54.5 81.7



#25
2-Butanone
Concen: 6.174 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009141.D
Acq: 13 Mar 2019 07:36

Tgt Ion: 43 Resp: 6408
Ion Ratio Lower Upper
43 100
72 31.9 20.0 30.0#

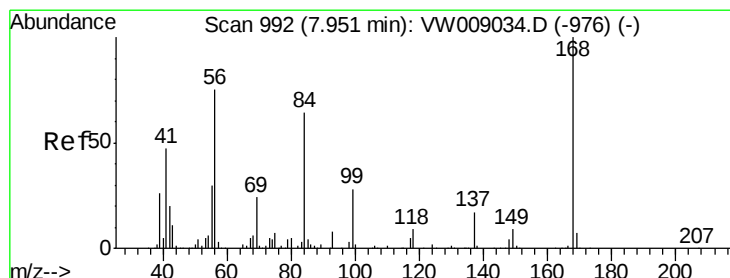
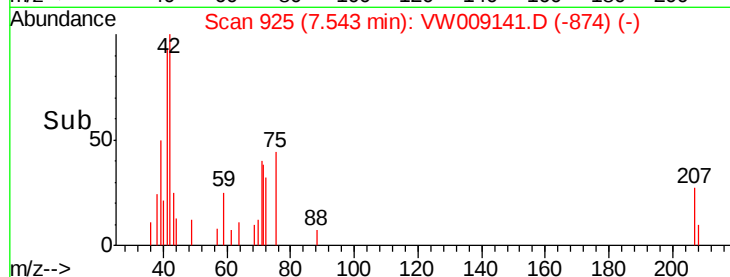
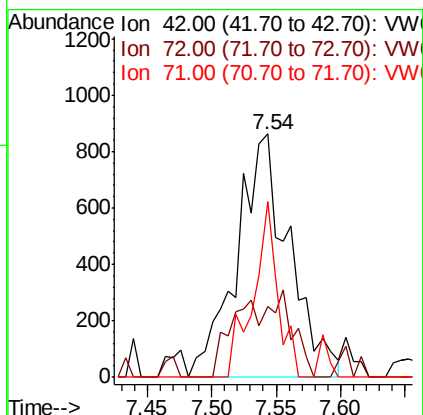
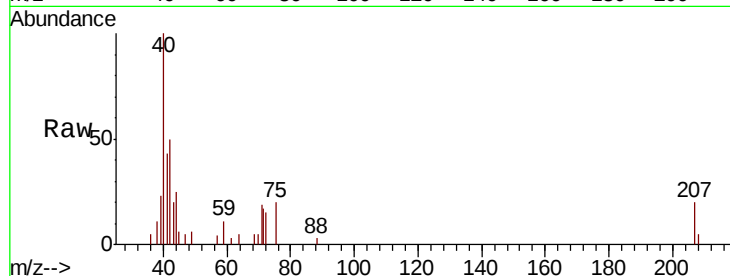




#29
Tetrahydrofuran
Concen: 3.714 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW009141.D
Acq: 13 Mar 2019 07:36

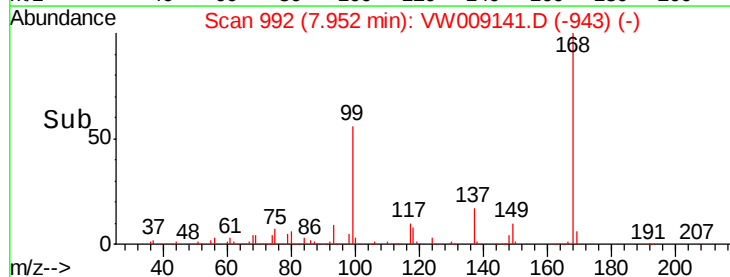
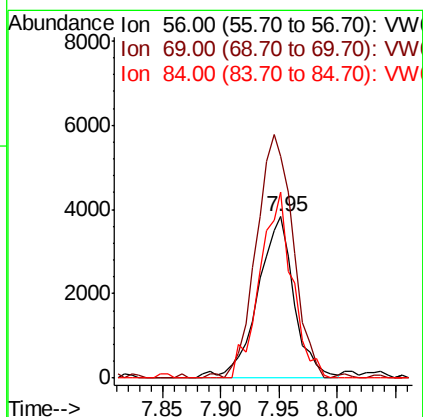
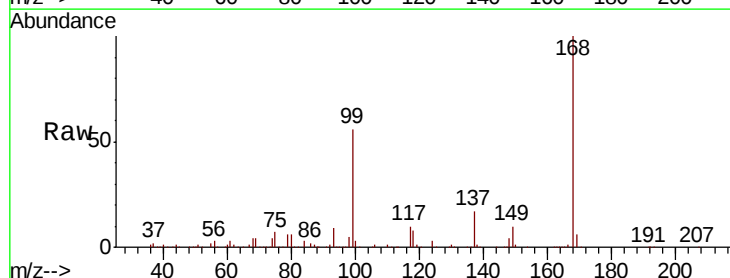
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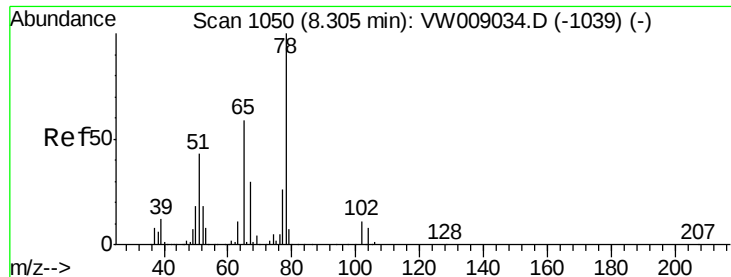
Tgt Ion: 42 Resp: 2429
Ion Ratio Lower Upper
42 100
72 18.6 32.2 48.4#
71 33.7 30.7 46.1



#31
Cyclohexane
Concen: 1.337 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009141.D
Acq: 13 Mar 2019 07:36

Tgt Ion: 56 Resp: 8296
Ion Ratio Lower Upper
56 100
69 137.1 25.5 38.3#
84 115.0 68.6 103.0#

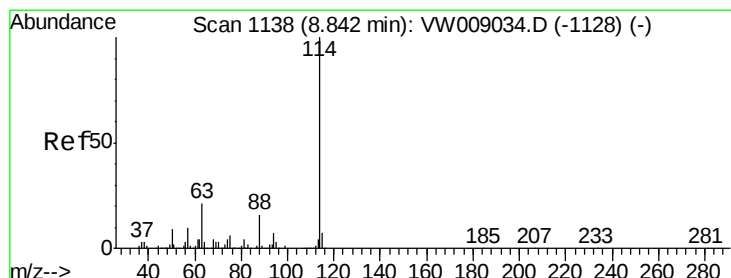
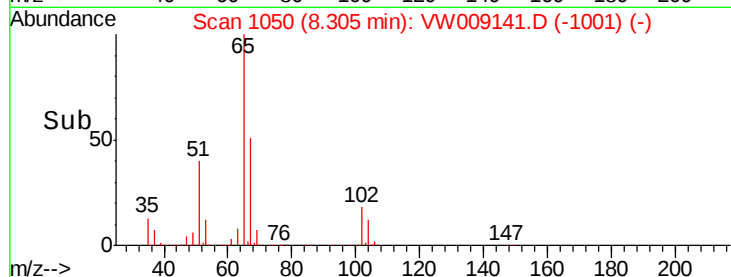
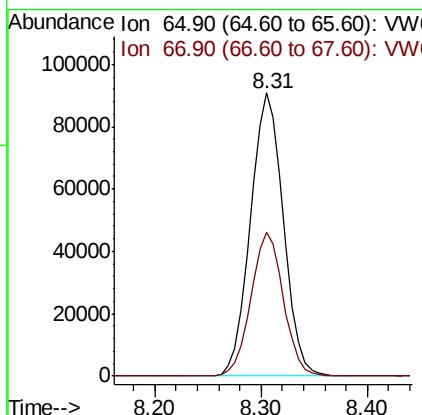
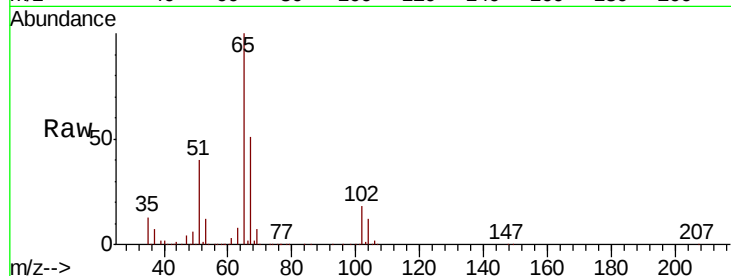




#33
 1,2-Dichloroethane-d4
 Concen: 59.156 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009141.D
 Acq: 13 Mar 2019 07:36

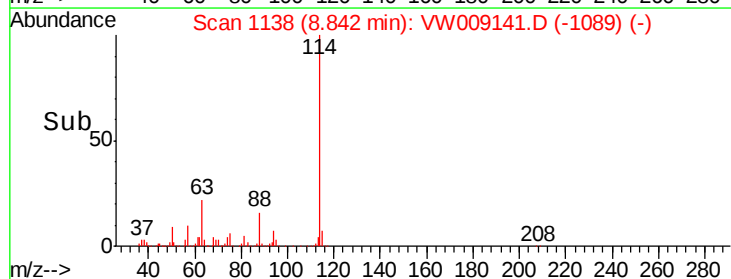
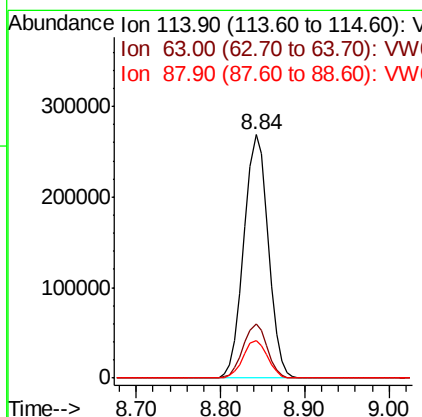
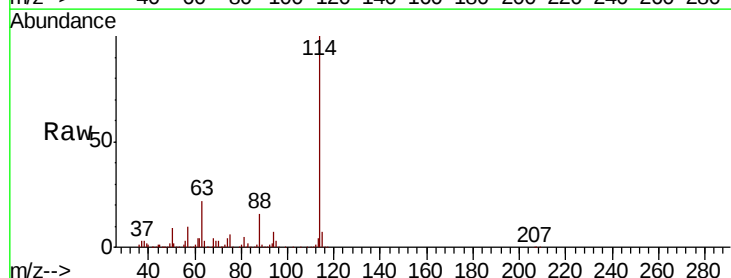
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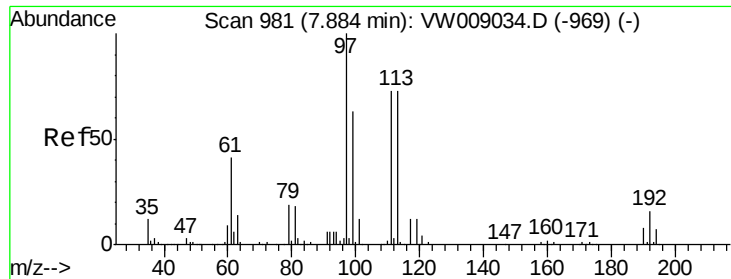
Tgt Ion: 65 Resp: 196879
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009141.D
 Acq: 13 Mar 2019 07:36

Tgt Ion: 114 Resp: 522624
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 41.2
 88 15.7 0.0 31.2

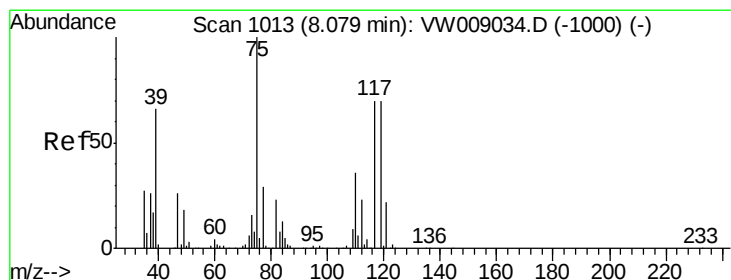
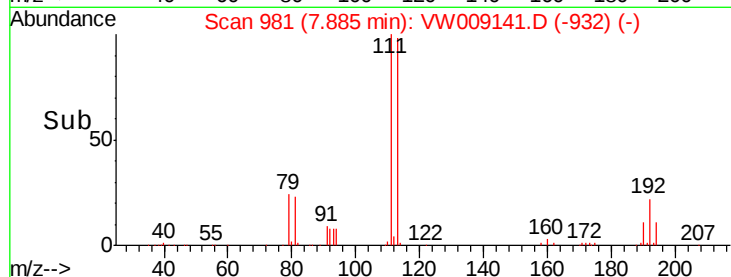
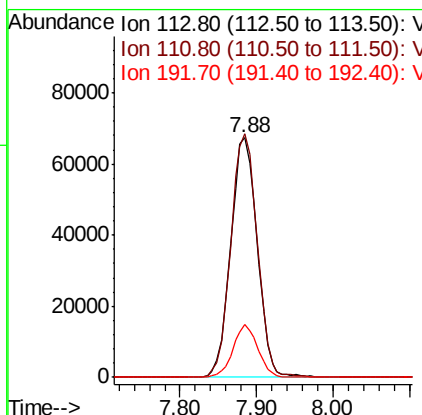
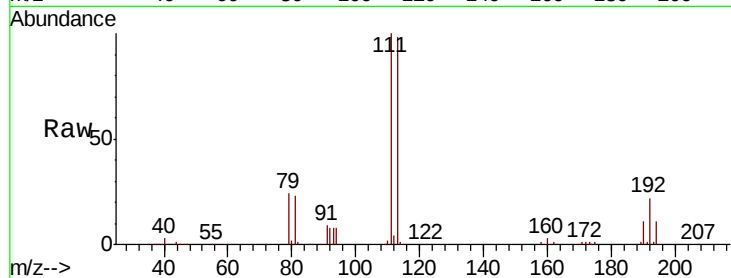




#35
 Dibromofluoromethane
 Concen: 51.303 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009141.D
 Acq: 13 Mar 2019 07:36

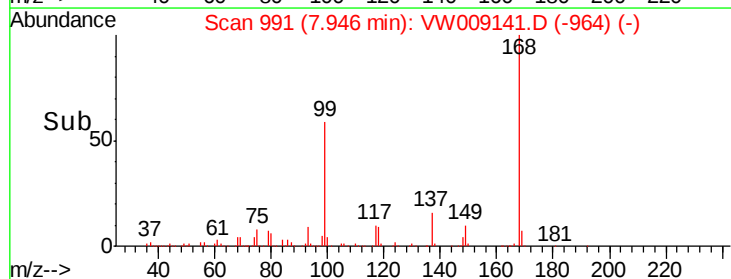
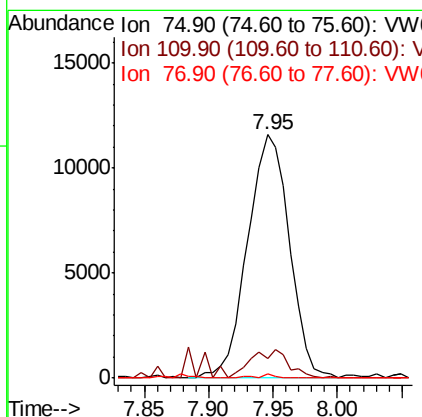
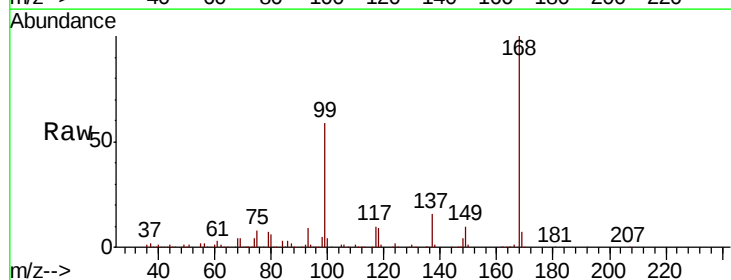
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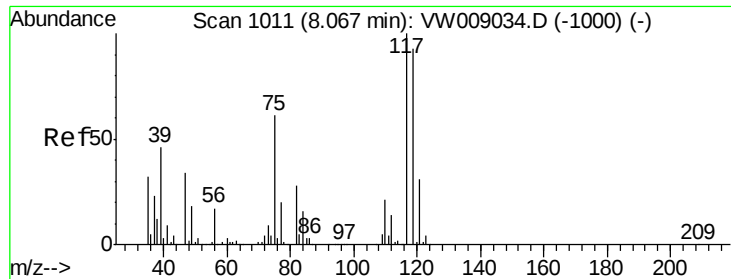
Tgt Ion:113 Resp: 161432
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.0 121.4
 192 20.6 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.761 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009141.D
 Acq: 13 Mar 2019 07:36

Tgt Ion: 75 Resp: 26019
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.6 52.9#
 77 0.5 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.017 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009141.D

Acq: 13 Mar 2019 07:36

Instrument :

MSVOA_W

ClientSampleId :

HR-06-031119-B

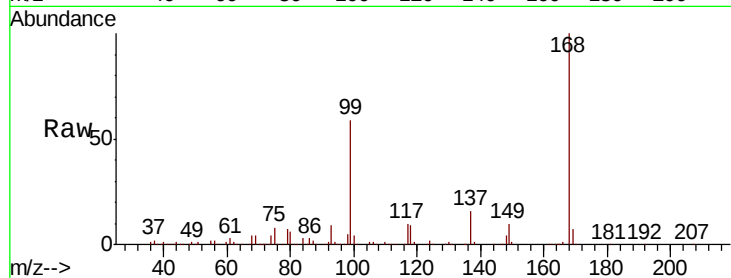
Tgt Ion:117 Resp: 33959

Ion Ratio Lower Upper

117 100

119 6.0 74.6 112.0#

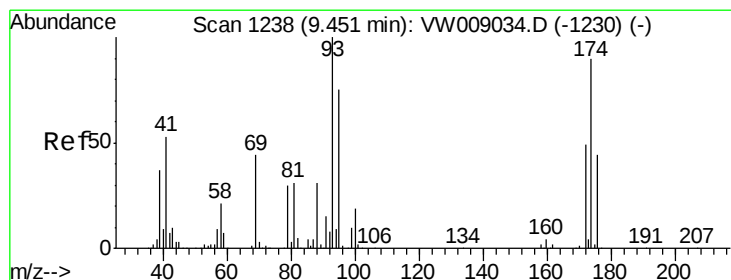
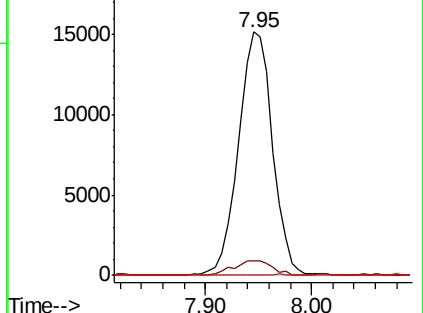
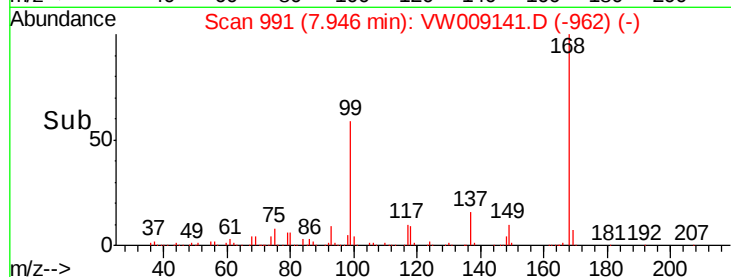
121 0.0 24.7 37.1#



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: 1.085 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VW009141.D

Acq: 13 Mar 2019 07:36

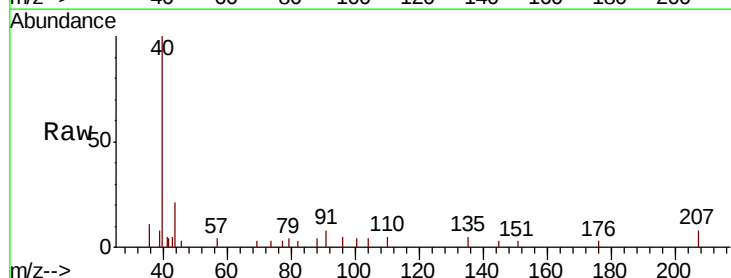
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 341.9 29.0 43.4#

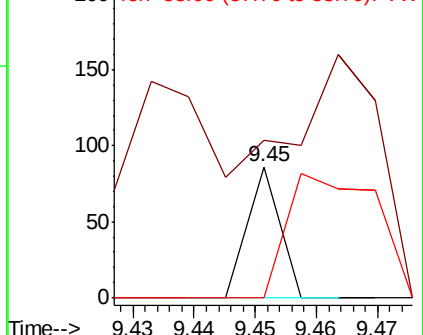
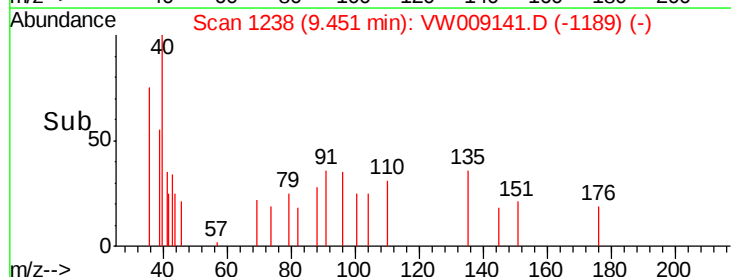
58 264.5 59.2 88.8#

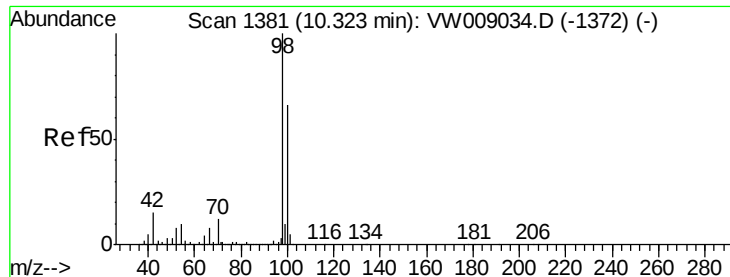


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 48.888 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009141.D

Acq: 13 Mar 2019 07:36

Instrument :

MSVOA_W

ClientSampleId :

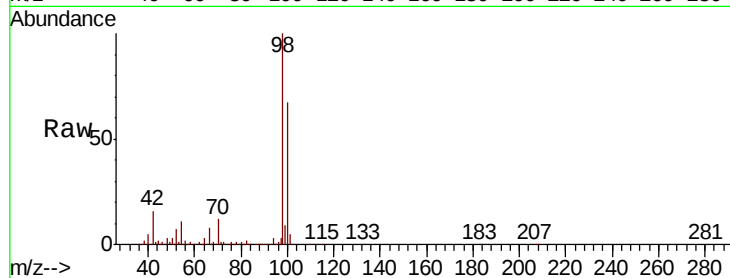
HR-06-031119-B

Tgt Ion: 98 Resp: 631826

Ion Ratio Lower Upper

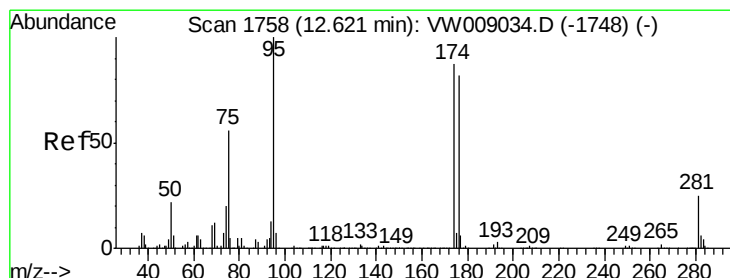
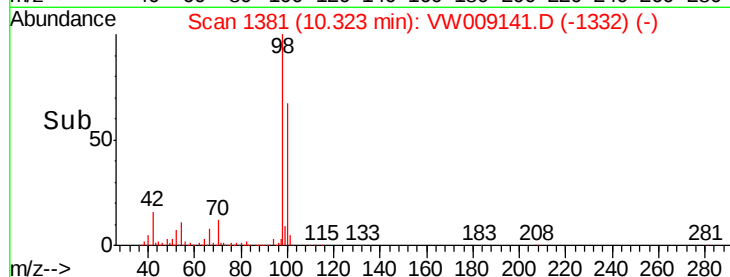
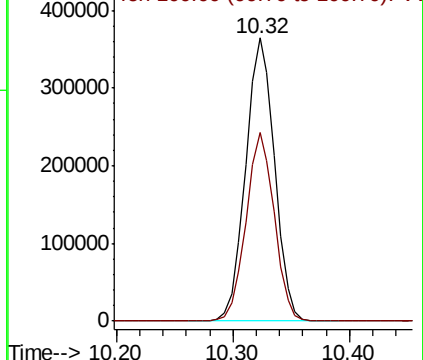
98 100

100 65.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 42.082 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009141.D

Acq: 13 Mar 2019 07:36

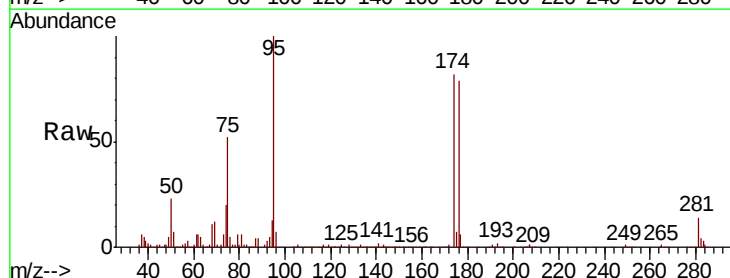
Tgt Ion: 95 Resp: 214097

Ion Ratio Lower Upper

95 100

174 82.5 0.0 167.0

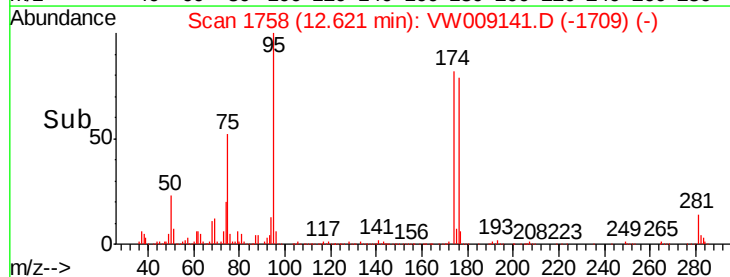
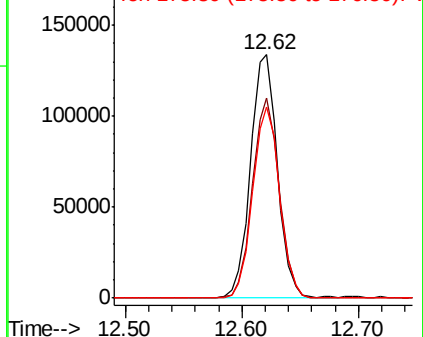
176 79.1 0.0 159.4

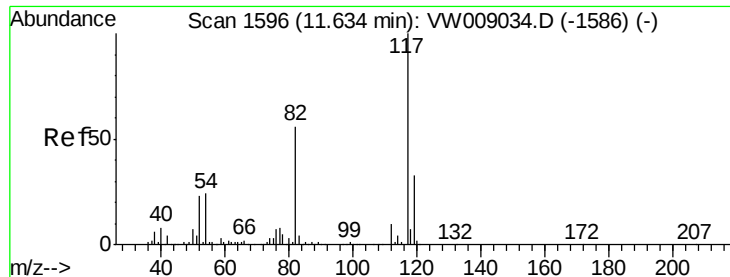


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

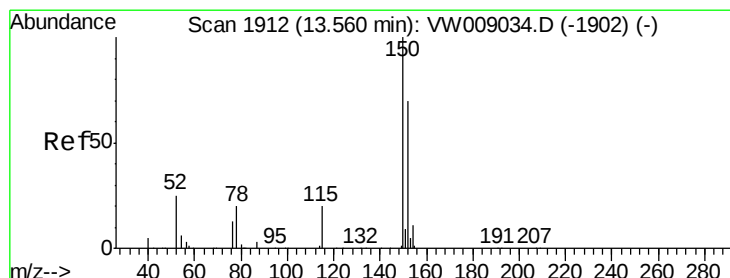
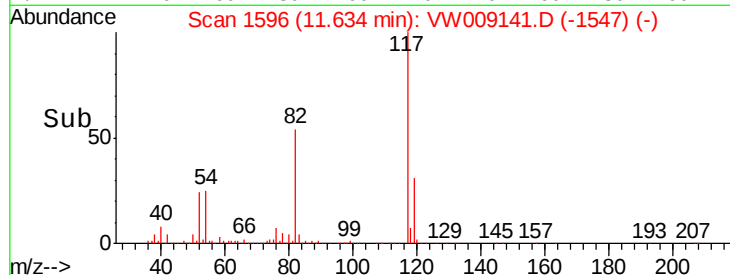
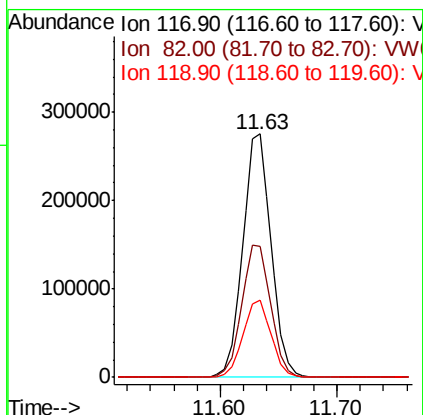
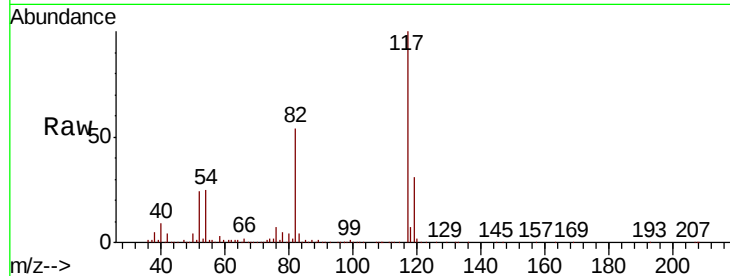




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009141.D
Acq: 13 Mar 2019 07:36

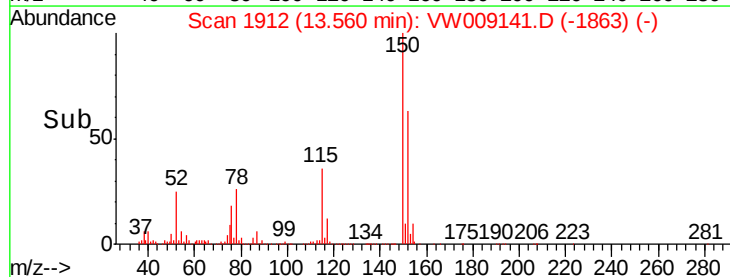
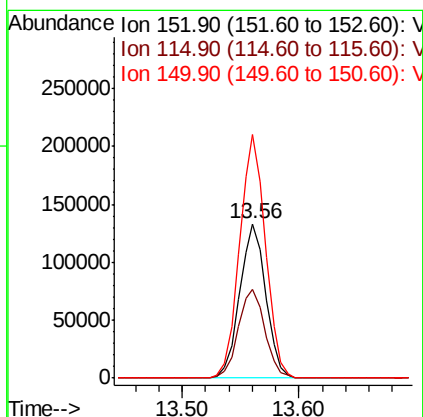
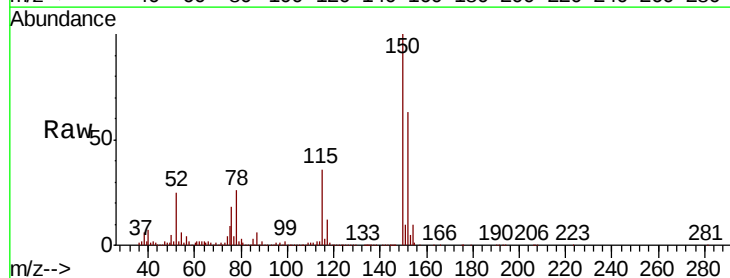
Instrument :
MSVOA_W
ClientSampleId :
HR-06-031119-B

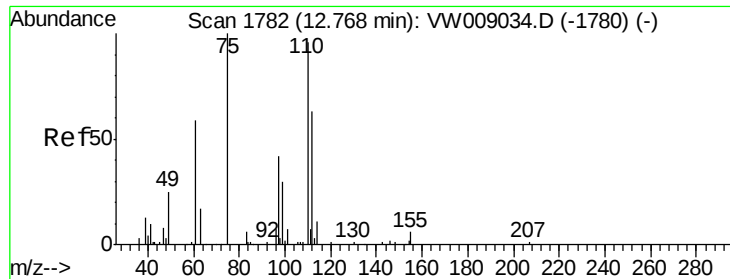
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	45.0	67.6
119	31.5	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009141.D
Acq: 13 Mar 2019 07:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.7
150	156.2	0.0	349.2





#76

1,2,3-Trichloropropane

Concen: 71.629 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009141.D

Acq: 13 Mar 2019 07:36

Instrument :

MSVOA_W

ClientSampleId :

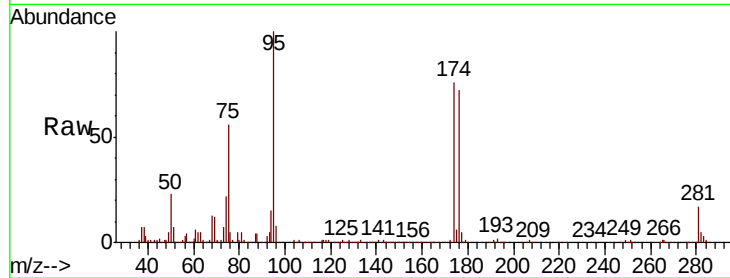
HR-06-031119-B

Tgt Ion: 75 Resp: 117893

Ion Ratio Lower Upper

75 100

77 1.3 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

80000

60000

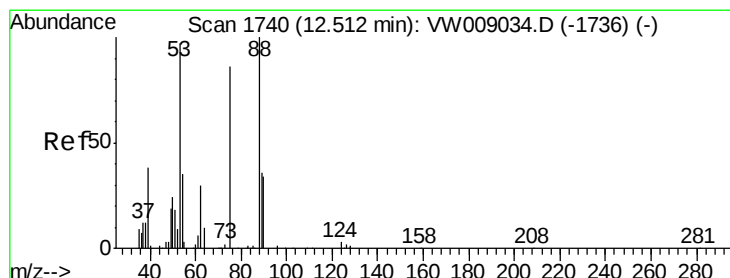
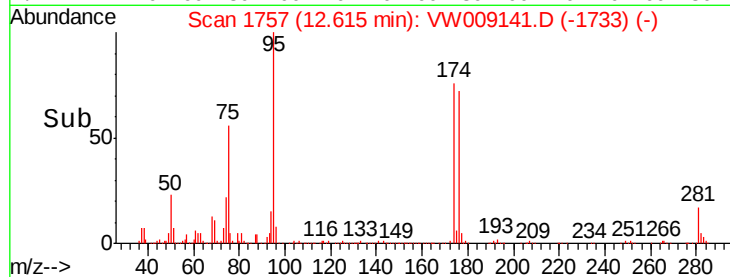
40000

20000

0

12.60 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 160.216 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009141.D

Acq: 13 Mar 2019 07:36

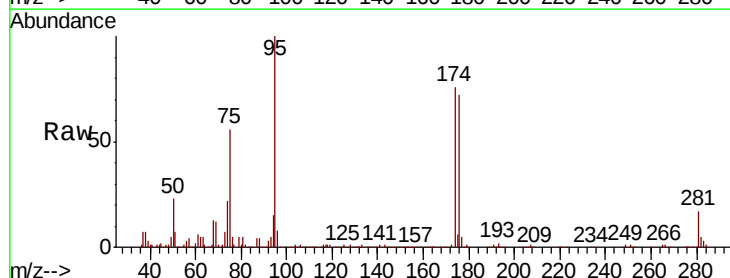
Tgt Ion: 75 Resp: 117893

Ion Ratio Lower Upper

75 100

53 0.3 90.5 135.7#

89 0.2 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

100000

80000

60000

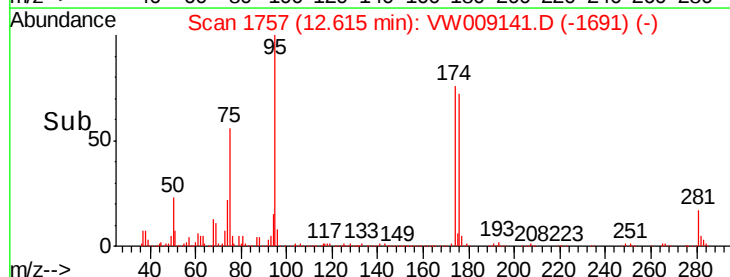
40000

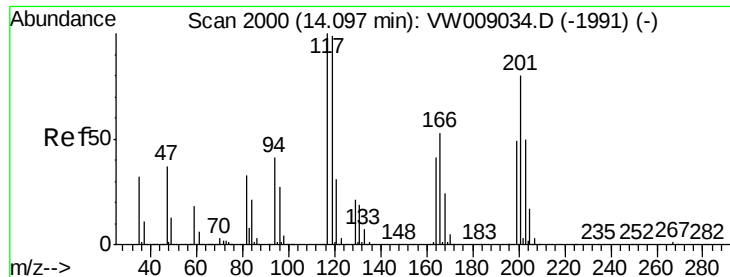
20000

0

12.60 12.70

Time-->





#90

Hexachloroethane

Concen: 1.089 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW009141.D

Acq: 13 Mar 2019 07:36

Instrument :

MSVOA_W

ClientSampleId :

HR-06-031119-B

Tgt Ion:117 Resp: 2700

Ion Ratio Lower Upper

117 100

201 0.0 39.1 117.5#

