

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
 Data File : VW004206.D
 Acq On : 25 Jul 2018 21:37
 Operator : SY/AP
 Sample : J3821-09
 Misc : 6.38G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-072418-B

Quant Time: Jul 26 05:12:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	410742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	135248	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	155954	59.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.28%	
35) Dibromofluoromethane	7.88	113	135843	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.33	98	389841	38.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.24%	
62) 4-Bromofluorobenzene	12.62	95	133936	36.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.64%	

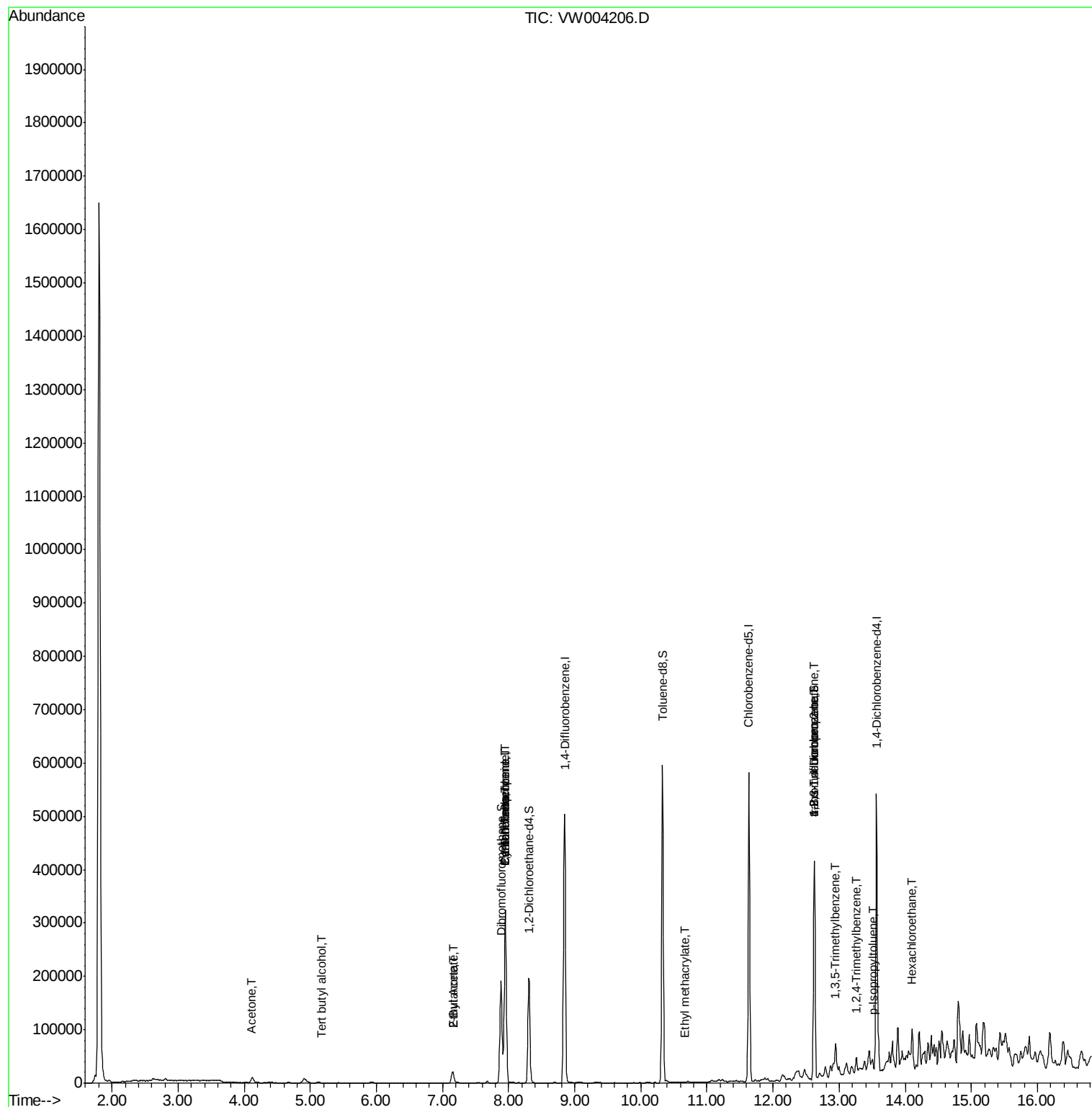
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	416	2.285	ug/l #	72
16) Acetone	4.12	43	18052	28.490	ug/l	96
20) Methylene Chloride	4.91	84	6982	Below Cal	#	86
25) 2-Butanone	7.17	43	2524	2.960	ug/l #	74
31) Cyclohexane	7.95	56	5718	1.307	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	20214	4.783	ug/l #	49
37) Ethyl Acetate	7.17	43	2524	1.238	ug/l #	28
38) Carbon Tetrachloride	7.95	117	24371	6.172	ug/l #	18
56) Ethyl methacrylate	10.66	69	225	3.014	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	68031	50.667	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	11428	1.421	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	68031	112.075	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	14799	1.788	ug/l	99
86) p-Isopropyltoluene	13.51	119	11210	1.276	ug/l	94
90) Hexachloroethane	14.10	117	3256	2.010	ug/l #	9

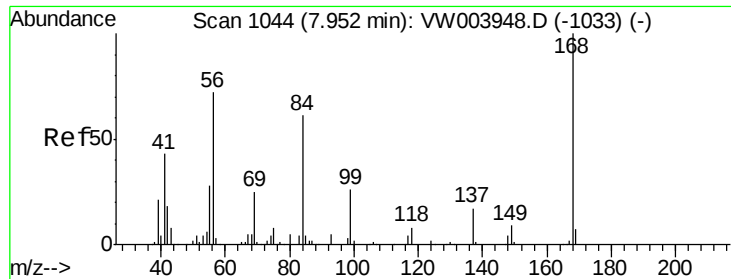
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004206.D

Acq: 25 Jul 2018 21:37

Instrument :

MSVOA_W

ClientSampleId :

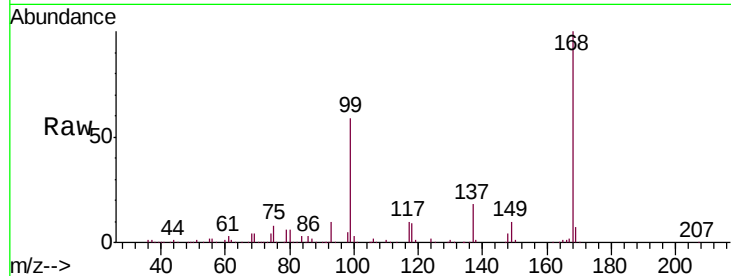
HR-06-072418-B

Tgt Ion:168 Resp: 235893

Ion Ratio Lower Upper

168 100

99 58.8 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

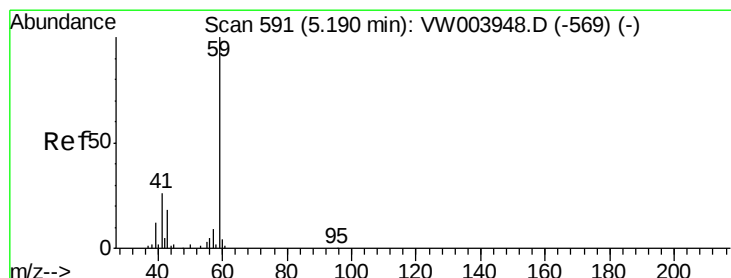
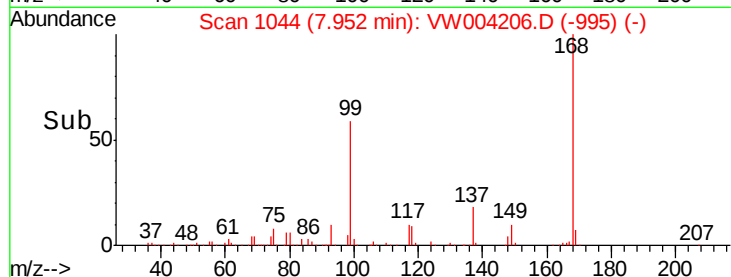
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.285 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.02 min

Lab File: VW004206.D

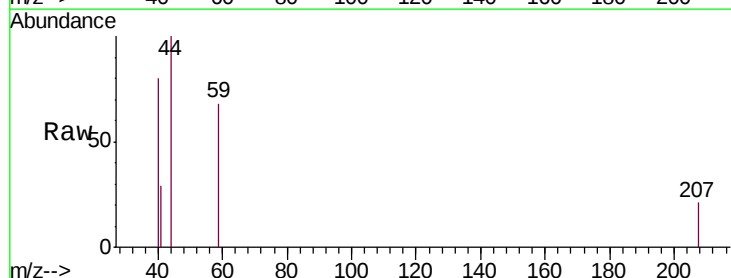
Acq: 25 Jul 2018 21:37

Tgt Ion: 59 Resp: 416

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

250

200

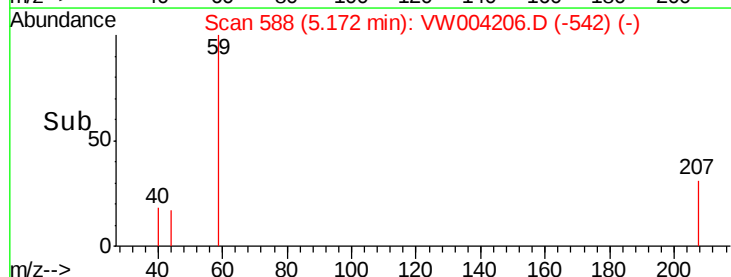
150

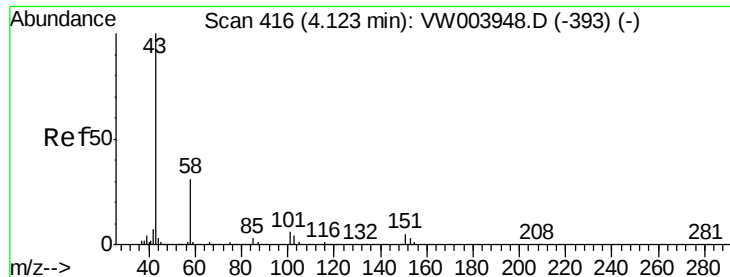
100

50

0

Time--> 5.15 5.20 5.25





#16

Acetone

Concen: 28.490 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW004206.D

Acq: 25 Jul 2018 21:37

Instrument :

MSVOA_W

ClientSampleId :

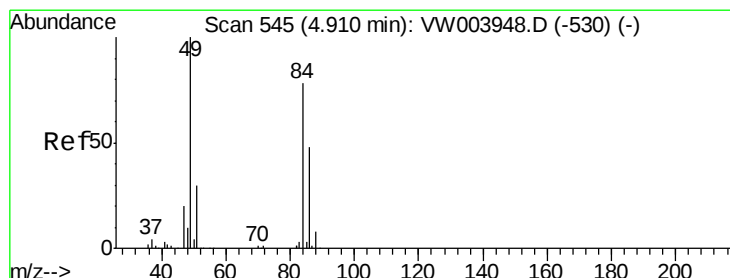
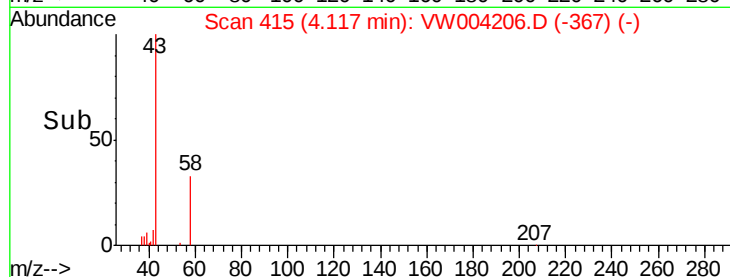
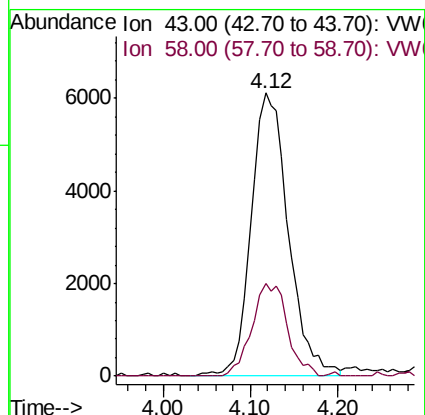
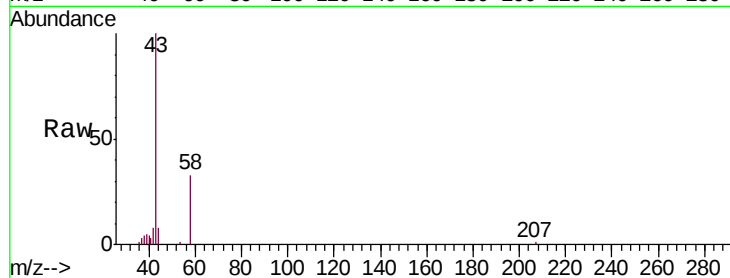
HR-06-072418-B

Tgt Ion: 43 Resp: 18052

Ion Ratio Lower Upper

43 100

58 32.8 24.5 36.7



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW004206.D

Acq: 25 Jul 2018 21:37

Tgt Ion: 84 Resp: 6982

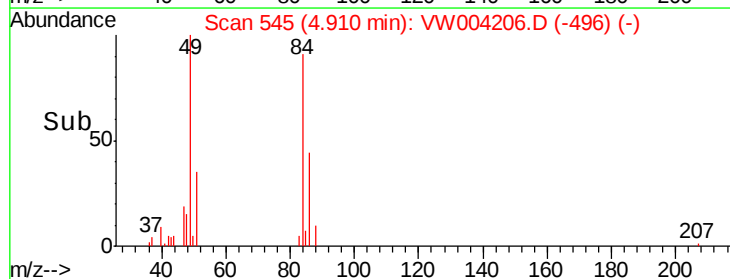
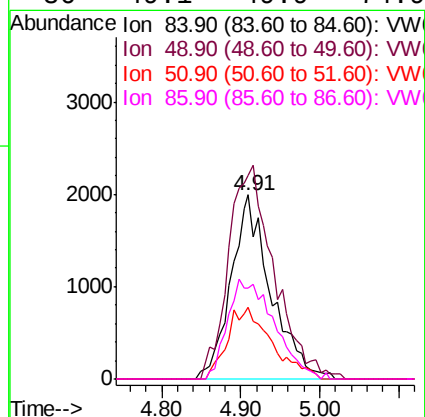
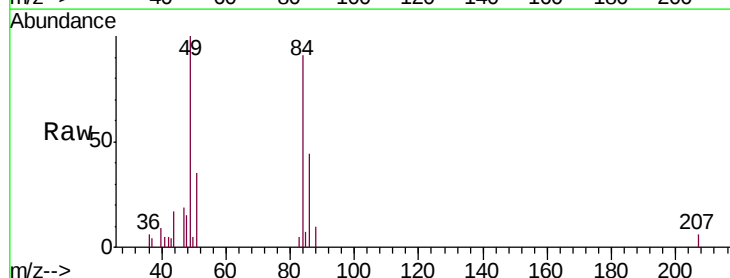
Ion Ratio Lower Upper

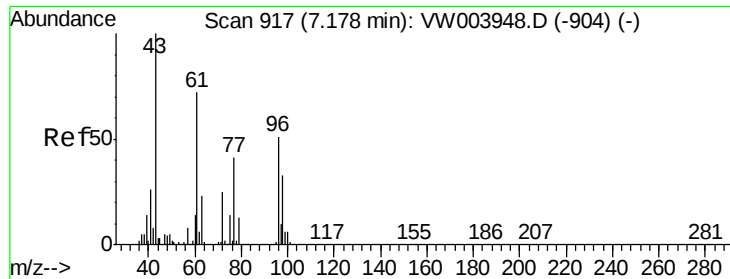
84 100

49 110.5 102.9 154.3

51 39.0 30.9 46.3

86 49.1 49.9 74.9#

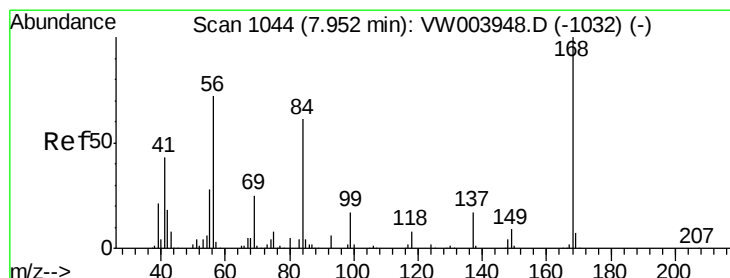
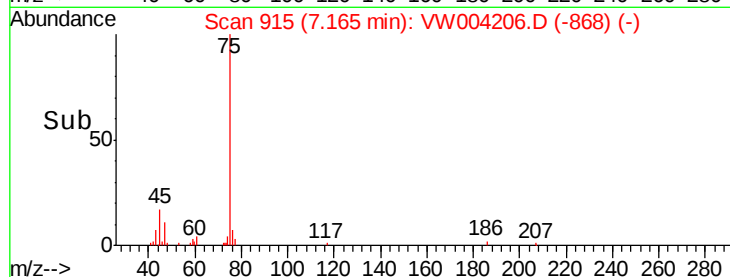
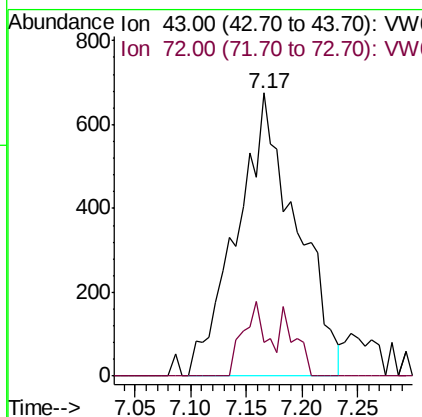
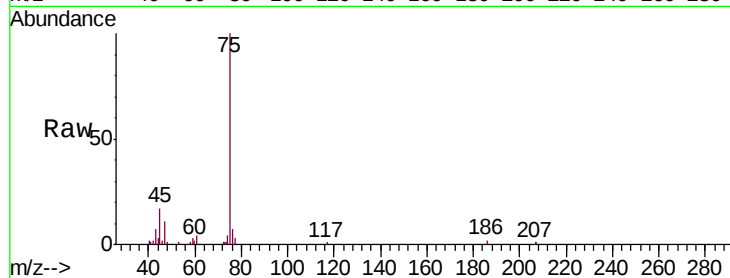




#25
2-Butanone
Concen: 2.960 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW004206.D
Acq: 25 Jul 2018 21:37

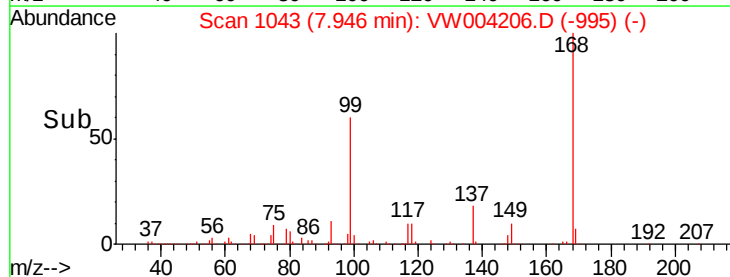
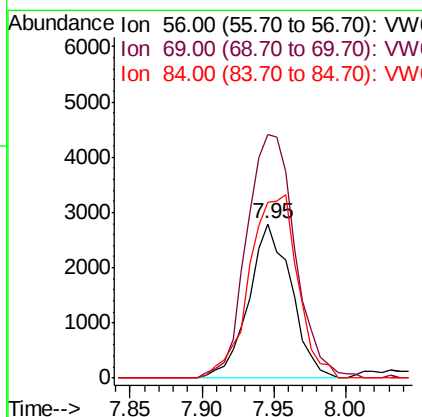
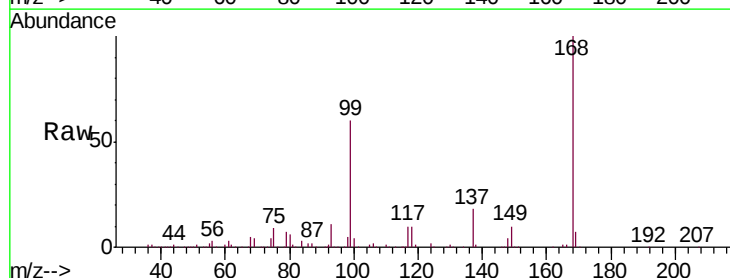
Instrument :
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ClientSampleId :
HR-06-072418-B

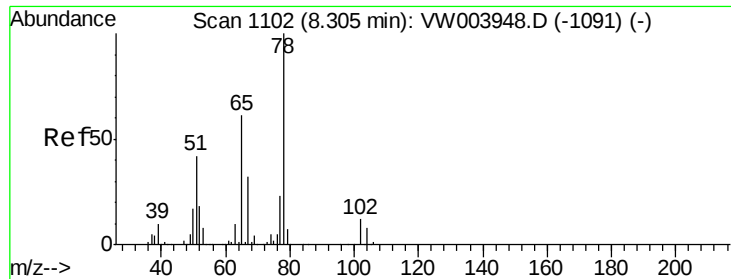
Tgt Ion: 43 Resp: 2524
Ion Ratio Lower Upper
43 100
72 11.9 19.8 29.6#



#31
Cyclohexane
Concen: 1.307 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004206.D
Acq: 25 Jul 2018 21:37

Tgt Ion: 56 Resp: 5718
Ion Ratio Lower Upper
56 100
69 157.9 27.8 41.8#
84 114.2 67.2 100.8#

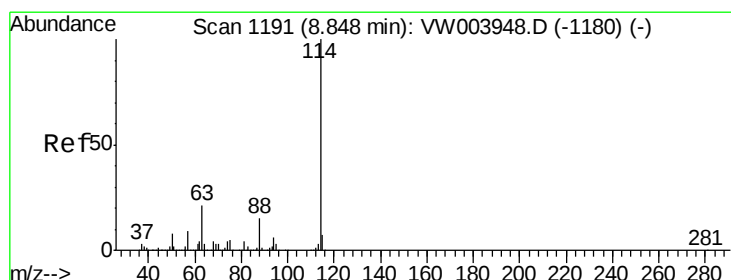
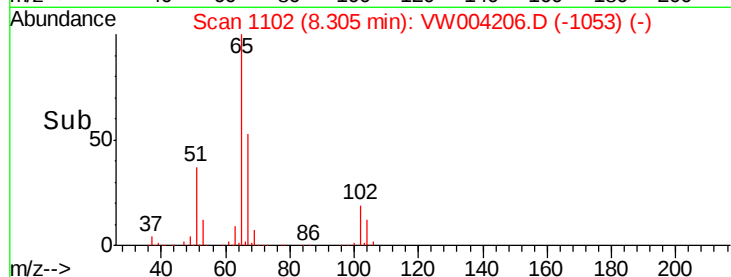
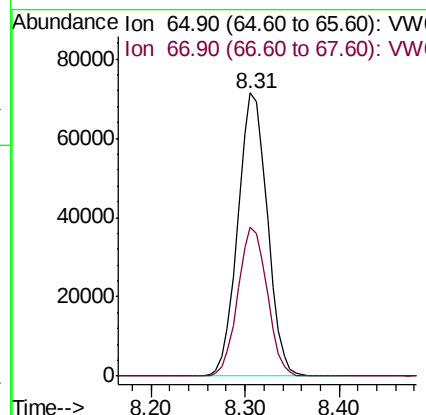
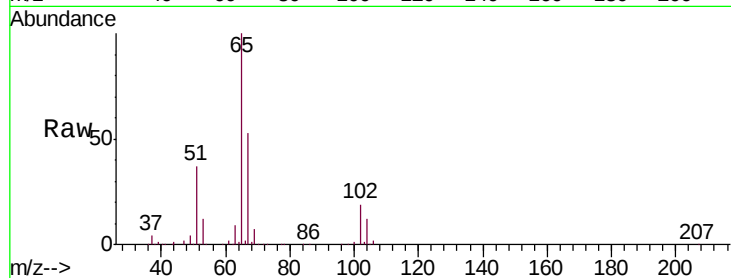




#33
 1,2-Dichloroethane-d4
 Concen: 59.145 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW004206.D
 Acq: 25 Jul 2018 21:37

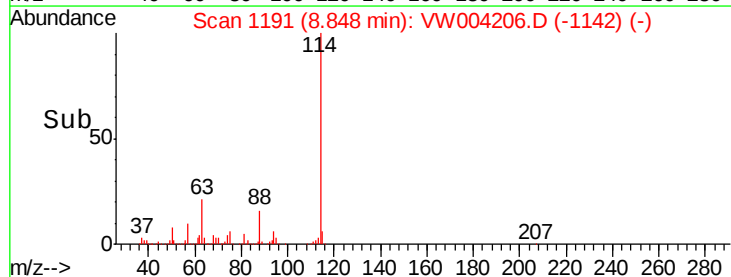
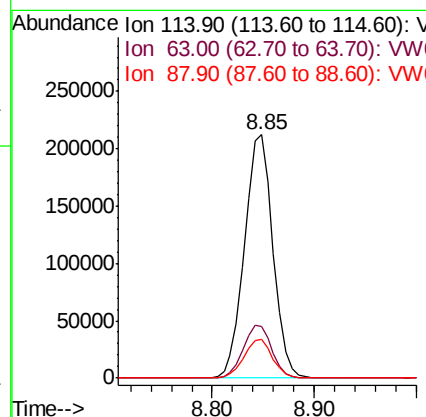
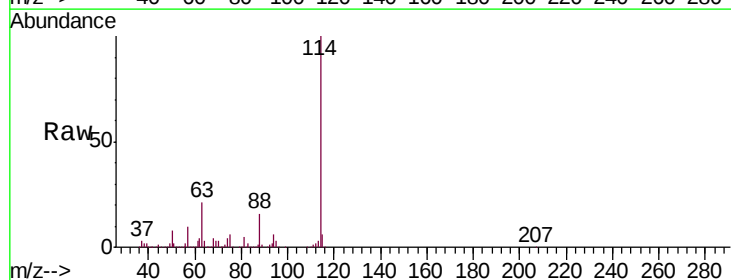
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-072418-B

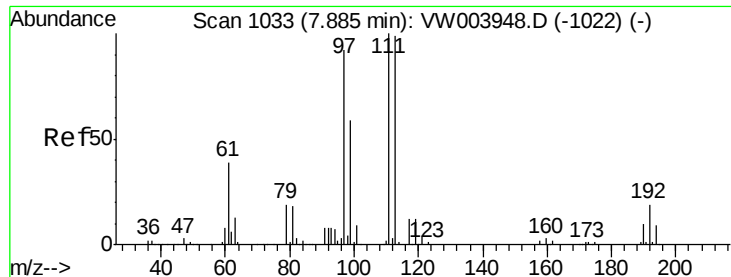
Tgt Ion: 65 Resp: 155954
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004206.D
 Acq: 25 Jul 2018 21:37

Tgt Ion: 114 Resp: 410742
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.8
 88 15.9 0.0 30.4

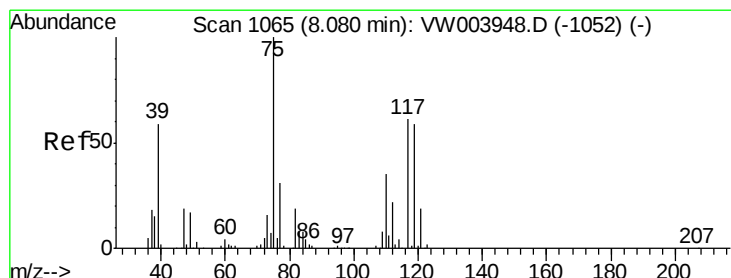
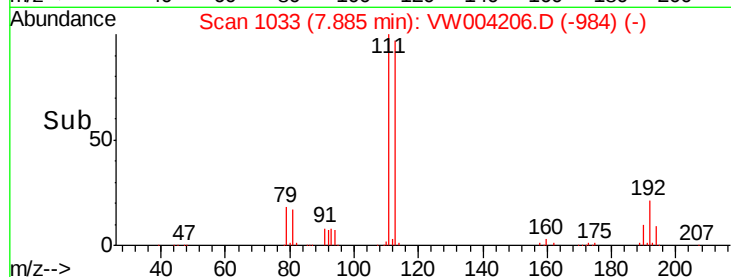
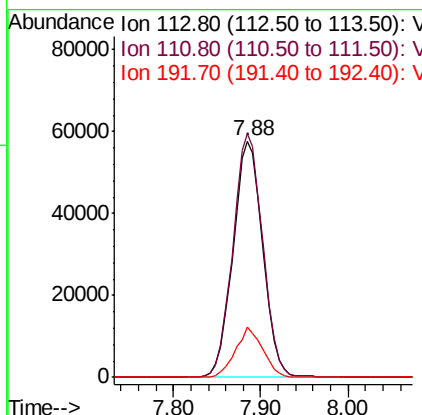
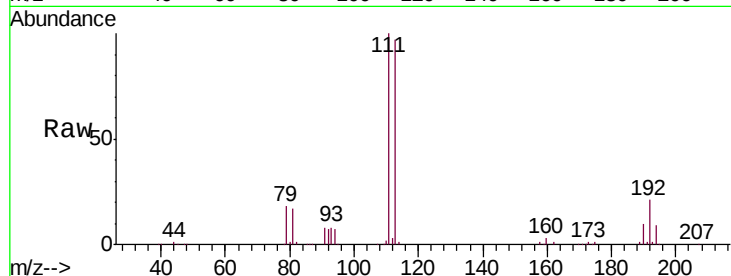




#35
 Dibromofluoromethane
 Concen: 51.545 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004206.D
 Acq: 25 Jul 2018 21:37

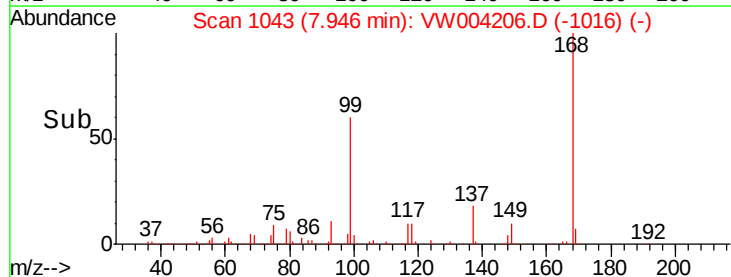
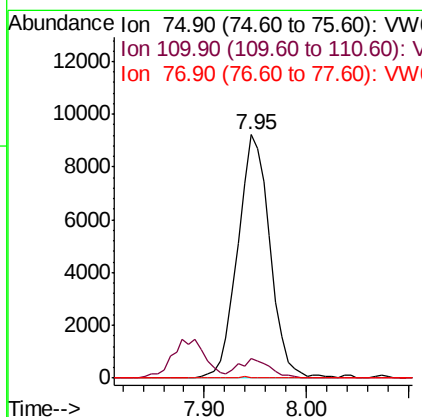
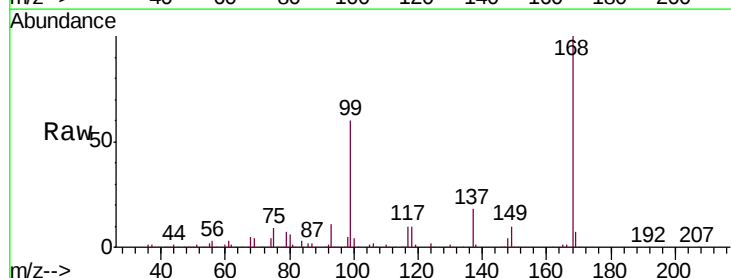
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 HR-06-072418-B

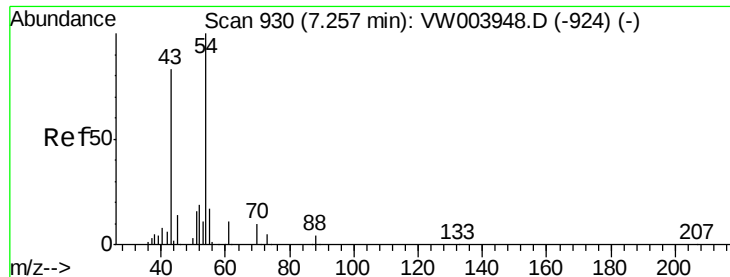
Tgt Ion: 113 Resp: 135843
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.3 121.9
 192 19.8 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.783 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004206.D
 Acq: 25 Jul 2018 21:37

Tgt Ion: 75 Resp: 20214
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.0 51.0#
 77 0.1 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.238 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.09 min

Lab File: VW004206.D

Acq: 25 Jul 2018 21:37

Instrument :

MSVOA_W

ClientSampleId :

HR-06-072418-B

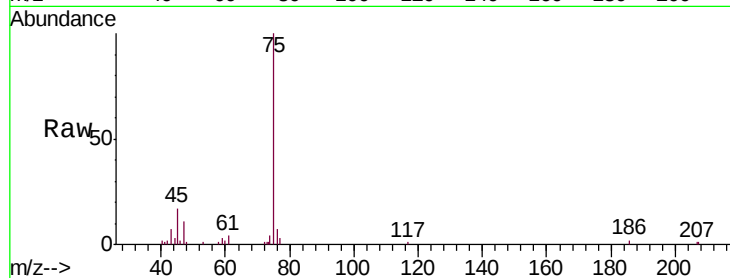
Tgt Ion: 43 Resp: 2524

Ion Ratio Lower Upper

43 100

61 55.5 10.7 16.1#

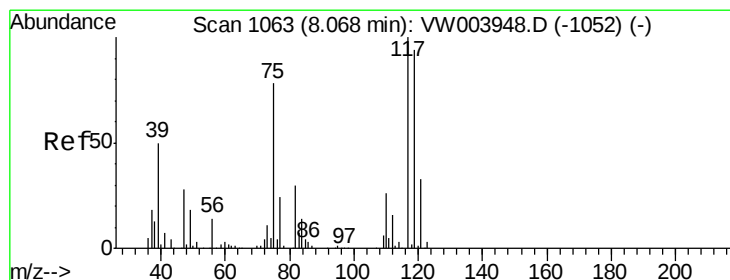
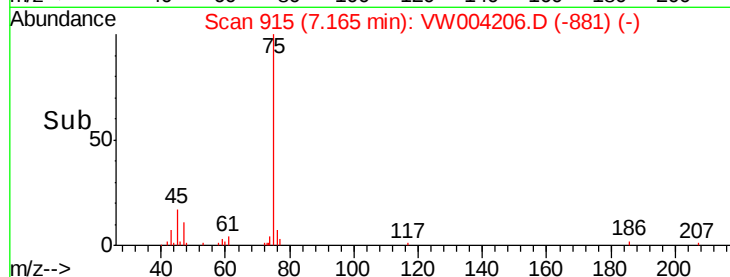
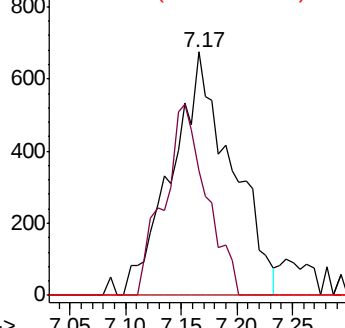
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.172 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004206.D

Acq: 25 Jul 2018 21:37

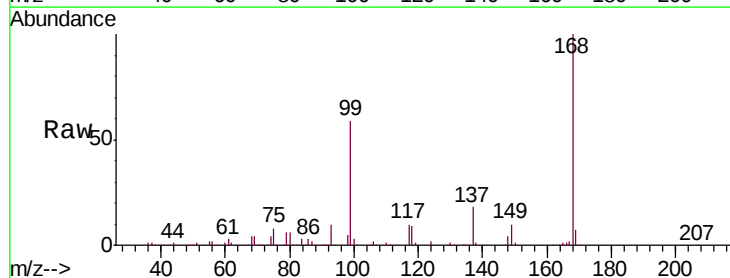
Tgt Ion: 117 Resp: 24371

Ion Ratio Lower Upper

117 100

119 6.3 75.3 112.9#

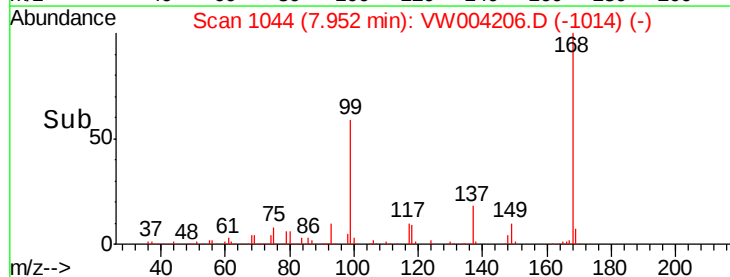
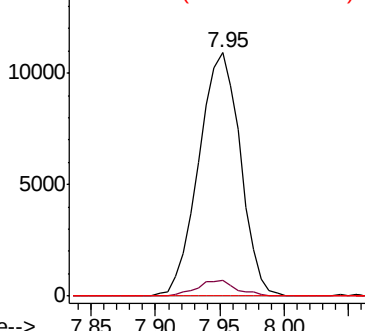
121 0.0 26.0 39.0#

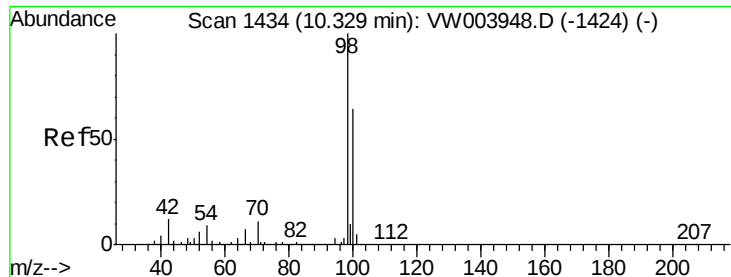


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 38.122 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004206.D

Acq: 25 Jul 2018 21:37

Instrument :

MSVOA_W

ClientSampleId :

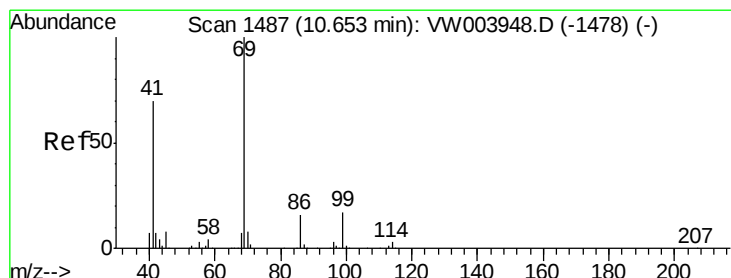
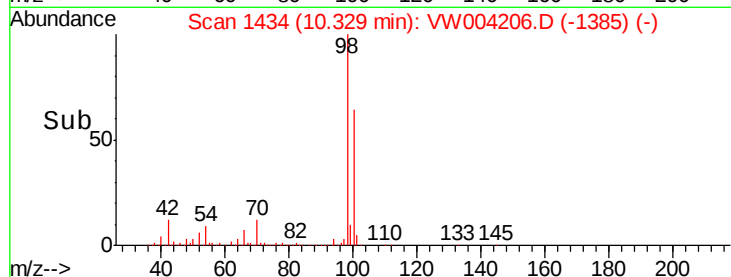
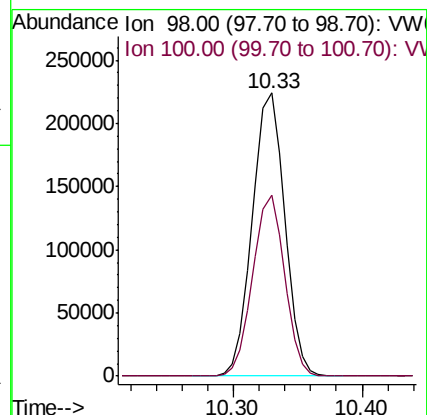
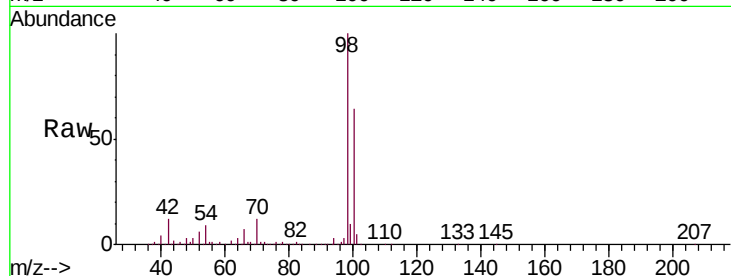
HR-06-072418-B

Tgt Ion: 98 Resp: 389841

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8



#56

Ethyl methacrylate

Concen: 3.014 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW004206.D

Acq: 25 Jul 2018 21:37

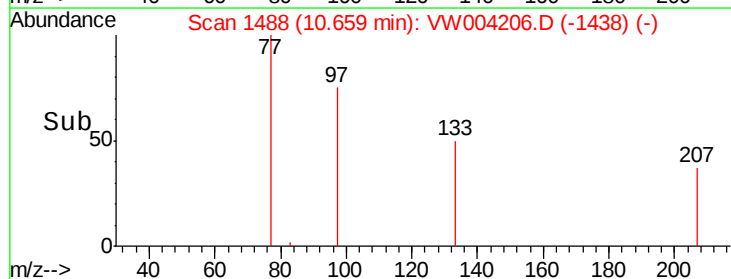
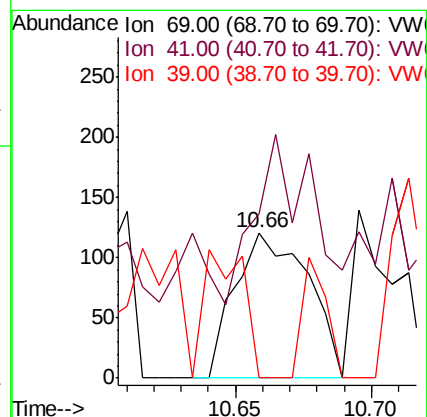
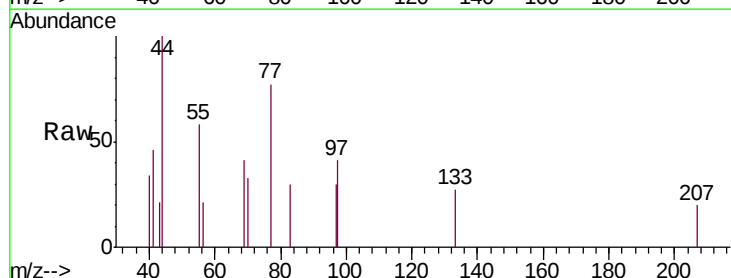
Tgt Ion: 69 Resp: 225

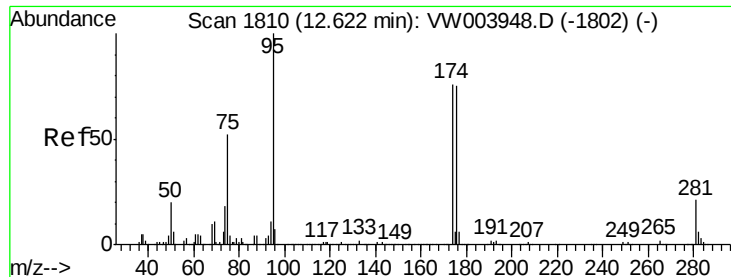
Ion Ratio Lower Upper

69 100

41 87.1 56.5 84.7#

39 0.0 30.2 45.4#

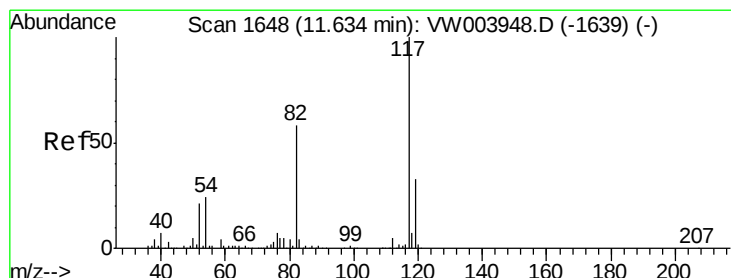
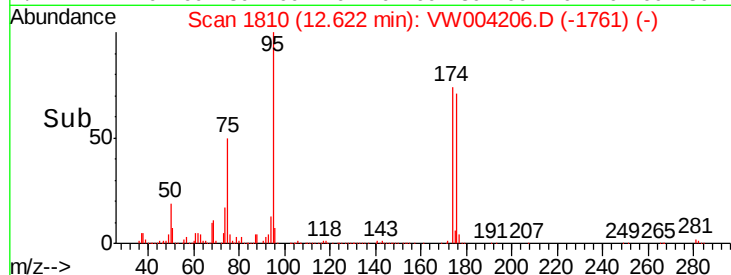
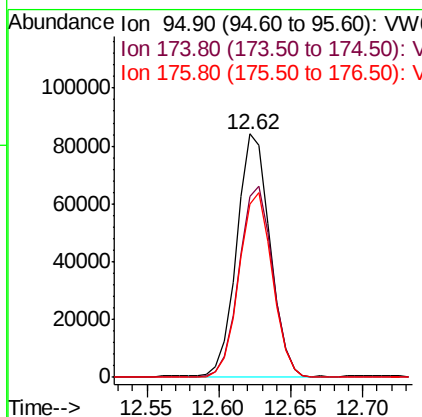
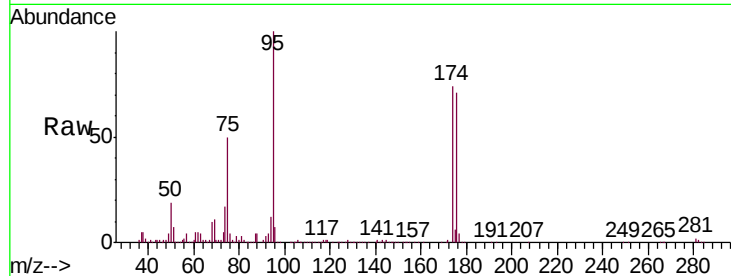




#62
4-Bromofluorobenzene
Concen: 36.321 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004206.D
Acq: 25 Jul 2018 21:37

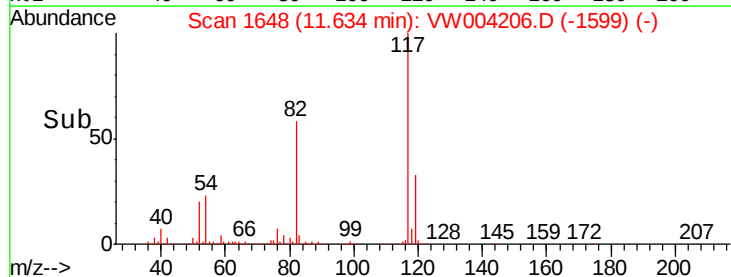
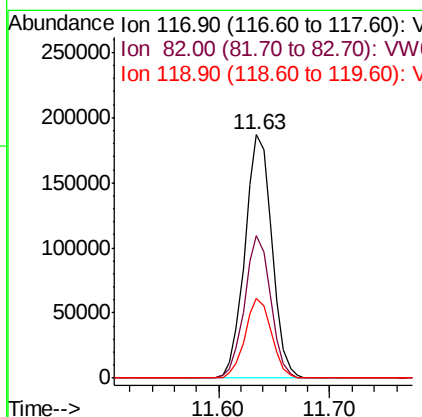
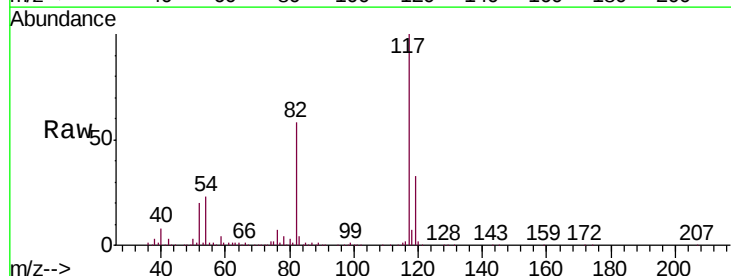
Instrument :
MSVOA_W
ClientSampleId :
HR-06-072418-B

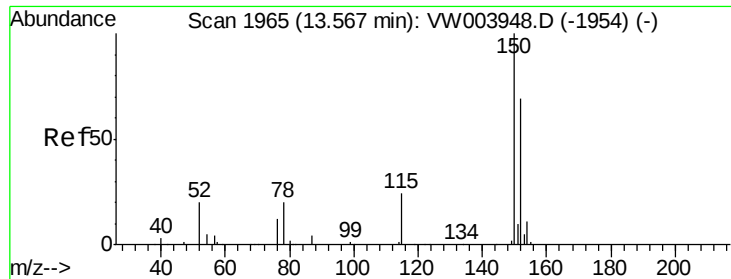
Tgt Ion: 95 Resp: 133936
Ion Ratio Lower Upper
95 100
174 80.1 0.0 160.2
176 76.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004206.D
Acq: 25 Jul 2018 21:37

Tgt Ion: 117 Resp: 313925
Ion Ratio Lower Upper
117 100
82 58.3 46.5 69.7
119 32.5 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004206.D

Acq: 25 Jul 2018 21:37

Instrument :

MSVOA_W

ClientSampleId :

HR-06-072418-B

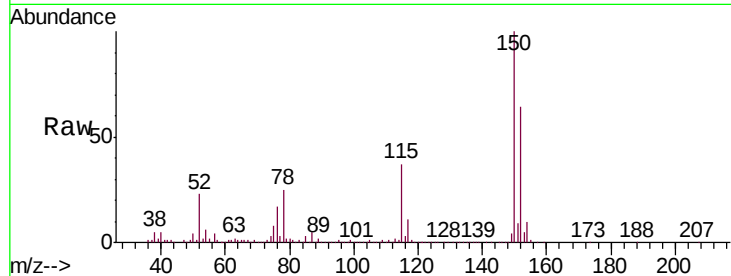
Tgt Ion: 152 Resp: 135248

Ion Ratio Lower Upper

152 100

115 58.3 29.2 87.6

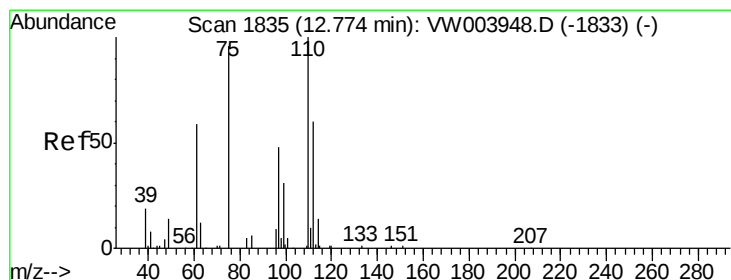
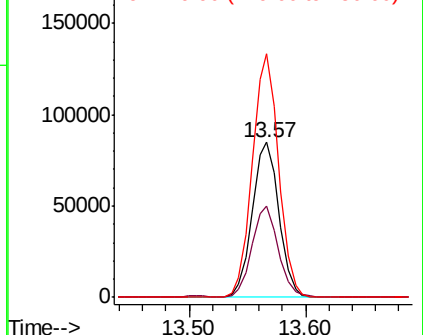
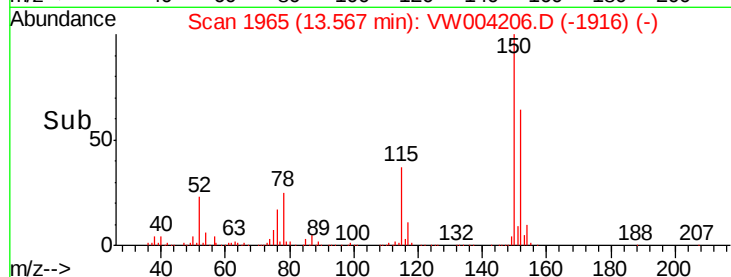
150 154.2 0.0 345.2



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: 50.667 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004206.D

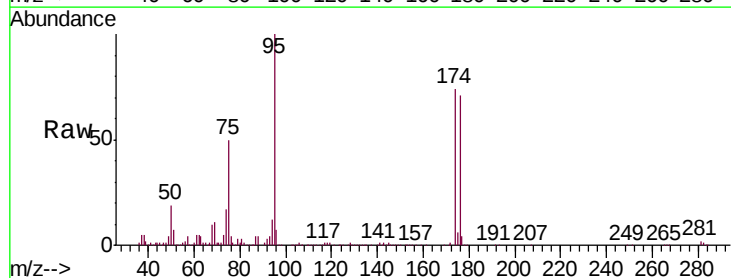
Acq: 25 Jul 2018 21:37

Tgt Ion: 75 Resp: 68031

Ion Ratio Lower Upper

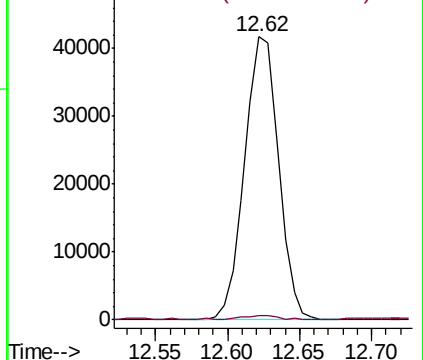
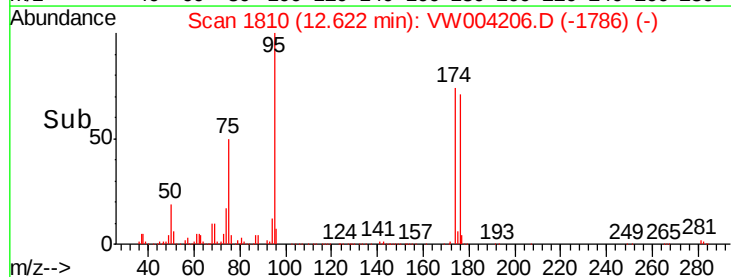
75 100

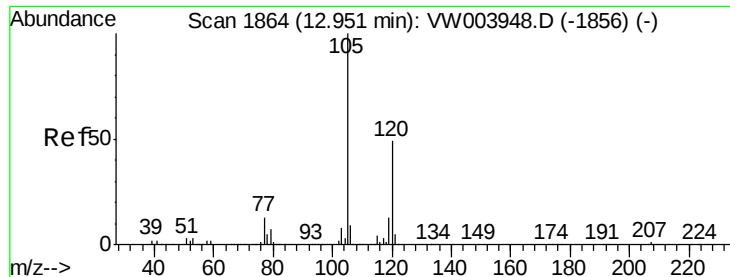
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

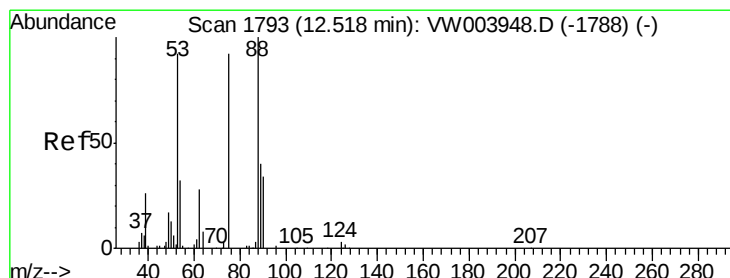
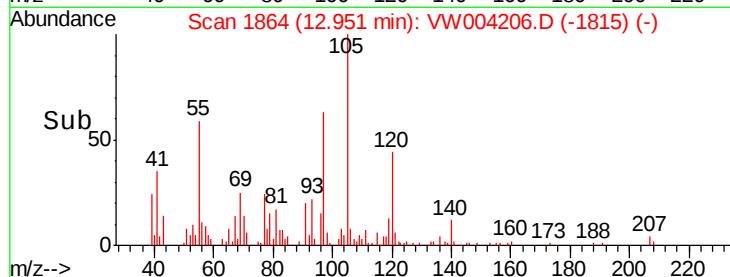
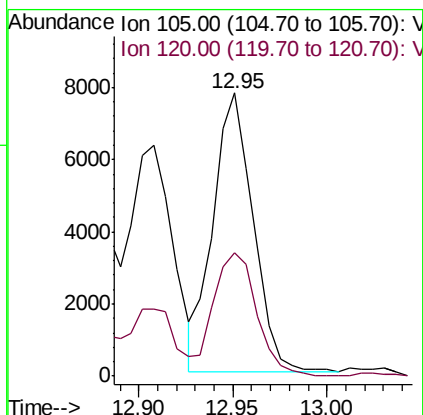
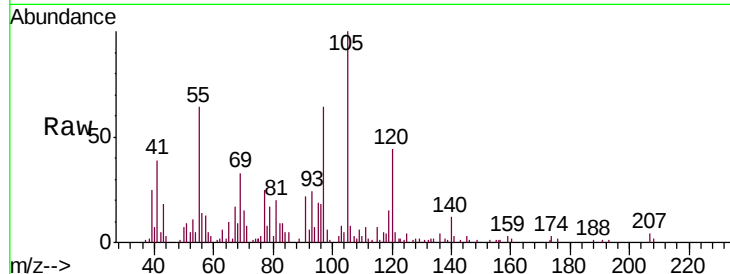




#80
 1,3,5-Trimethylbenzene
 Concen: 1.421 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW004206.D
 Acq: 25 Jul 2018 21:37

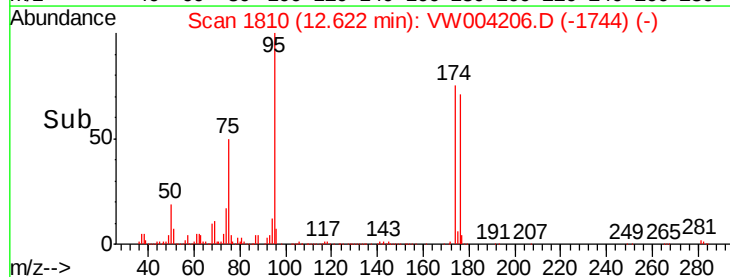
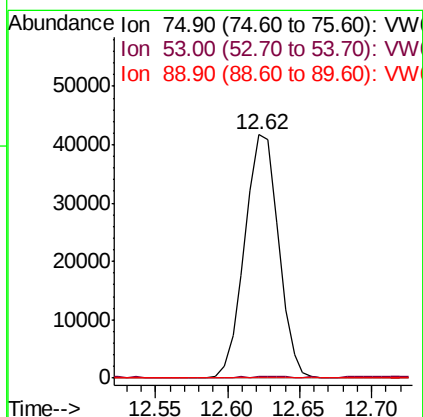
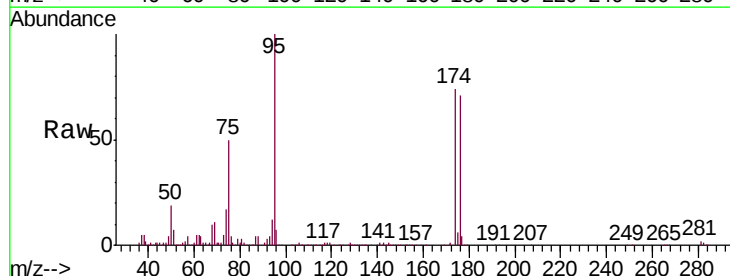
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-072418-B

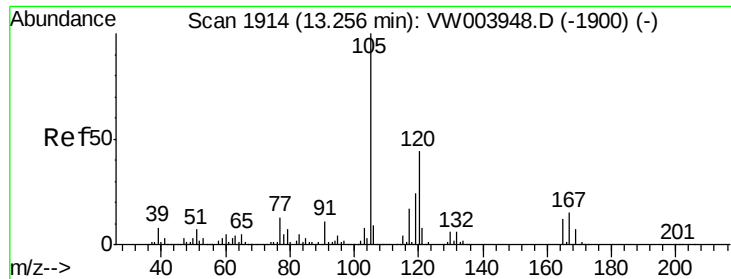
Tgt Ion: 105 Resp: 11428
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.075 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004206.D
 Acq: 25 Jul 2018 21:37

Tgt Ion: 75 Resp: 68031
 Ion Ratio Lower Upper
 75 100
 53 0.9 77.6 116.4#
 89 0.0 36.6 54.8#

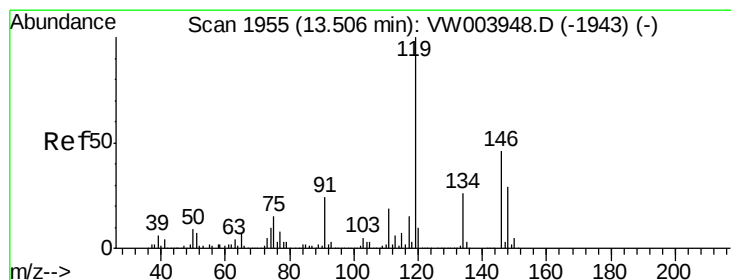
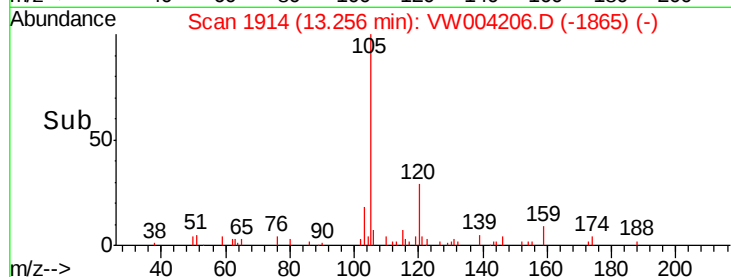
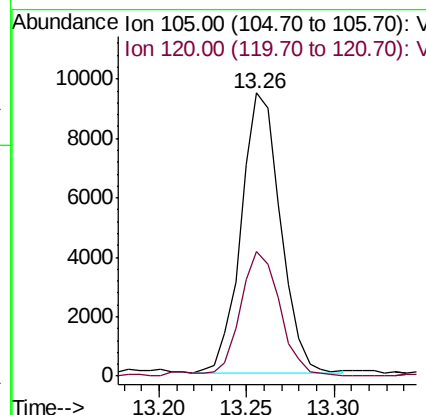
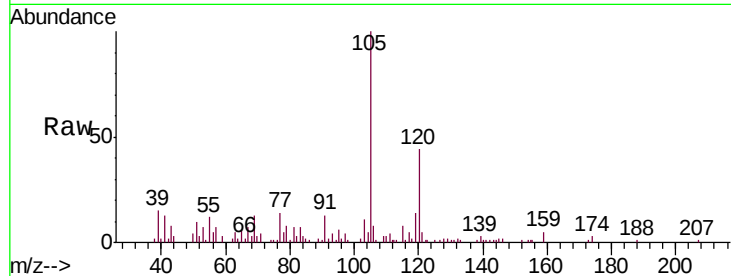




#84
 1,2,4-Trimethylbenzene
 Concen: 1.788 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004206.D
 Acq: 25 Jul 2018 21:37

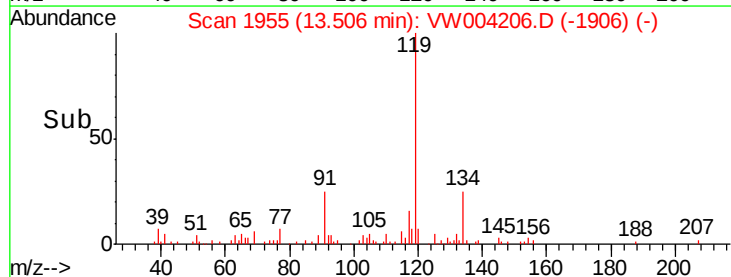
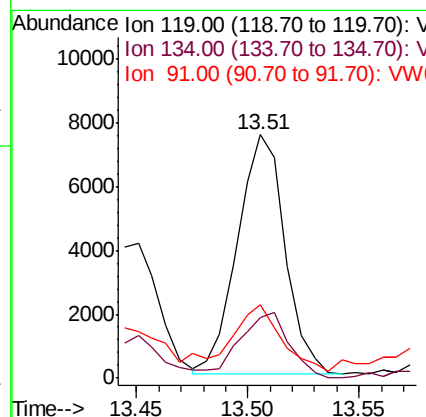
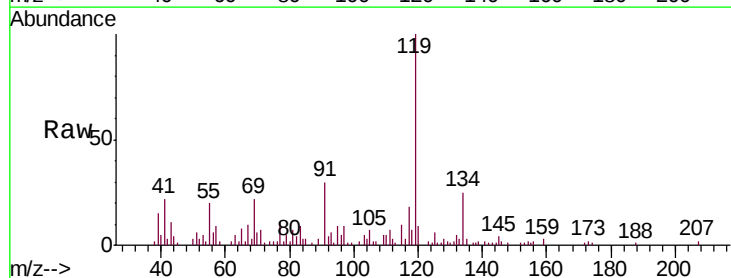
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-072418-B

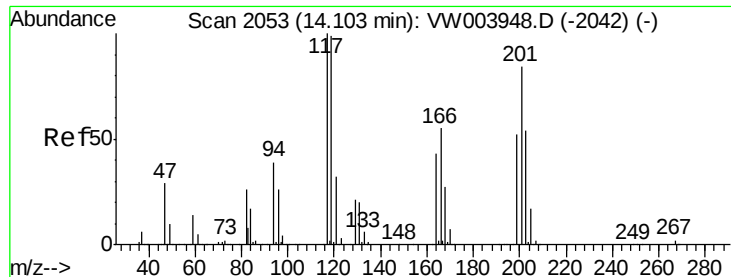
Tgt Ion:105 Resp: 14799
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.1 66.1



#86
 p-Isopropyltoluene
 Concen: 1.276 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004206.D
 Acq: 25 Jul 2018 21:37

Tgt Ion:119 Resp: 11210
 Ion Ratio Lower Upper
 119 100
 134 28.2 13.0 38.9
 91 26.9 11.8 35.3





#90

Hexachloroethane

Concen: 2.010 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004206.D

Acq: 25 Jul 2018 21:37

Instrument :

MSVOA_W

ClientSampleId :

HR-06-072418-B

Tgt Ion:117 Resp: 3256

Ion Ratio Lower Upper

117 100

201 0.0 40.3 120.9#

