

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
 Data File : VW005307.D
 Acq On : 12 Sep 2018 06:47
 Operator : SY/AP
 Sample : J4769-01RE
 Misc : 4.99G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-090718-ARE

Quant Time: Sep 12 07:45:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	29051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	40213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	34049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	6098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.32	65	8970	41.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.80%	
35) Dibromofluoromethane	7.90	113	490	2.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	4.66%	
50) Toluene-d8	10.33	98	39803	37.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.78%	
62) 4-Bromofluorobenzene	12.63	95	20764	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	

Target Compounds

						Qvalue
3) Chloromethane	2.21	50	454	1.355	ug/l #	59
10) Methyl Iodide	4.30	142	452	4.692	ug/l #	45
13) Acrolein	3.73	56	20	1.165	ug/l #	1
15) Acrylonitrile	5.40	53	70	1.251	ug/l #	17
16) Acetone	4.14	43	3094	76.928	ug/l #	47
20) Methylene Chloride	4.92	84	473	Below Cal	#	75
25) 2-Butanone	7.21	43	172	2.711	ug/l #	43
27) cis-1,2-Dichloroethene	7.17	96	374	1.308	ug/l #	1
29) Tetrahydrofuran	7.54	42	163	3.813	ug/l #	52
31) Cyclohexane	7.96	56	832	1.794	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	1974	5.358	ug/l #	68
41) Methacrylonitrile	7.48	41	244	3.394	ug/l #	46
43) Isopropyl Acetate	8.42	43	466	1.791	ug/l #	50
46) Dibromomethane	9.48	93	1183	9.264	ug/l #	38
47) Bromodichloromethane	9.65	83	576	1.844	ug/l #	46
48) Methyl methacrylate	9.44	41	1157	8.563	ug/l #	55
49) 1,4-Dioxane	9.23	88	22	9.227	ug/l #	1
51) 4-Methyl-2-Pentanone	10.27	43	1870	12.770	ug/l #	33
55) 1,1,2-Trichloroethane	10.82	97	848	4.165	ug/l #	34
56) Ethyl methacrylate	10.66	69	1063	4.118	ug/l #	72
58) 2-Chloroethyl Vinyl ether	9.93	63	289	2.576	ug/l #	1
59) 2-Hexanone	11.01	43	331	3.135	ug/l #	94
60) Dibromochloromethane	11.16	129	12984	57.468	ug/l #	45
61) 1,2-Dibromoethane	11.18	107	426	2.281	ug/l #	82
64) Tetrachloroethene	10.87	164	744	2.945	ug/l #	52
66) 1,1,1,2-Tetrachloroethane	11.85	131	331	1.486	ug/l #	1
67) Ethyl Benzene	11.73	91	1875	1.443	ug/l #	43
69) o-Xylene	12.13	106	1147	2.355	ug/l #	34
70) Styrene	12.18	104	1894	2.383	ug/l #	34
71) Bromoform	12.37	173	4520	37.432	ug/l #	72
73) Isopropylbenzene	12.49	105	44329	102.887	ug/l #	72
74) N-amyl acetate	12.32	43	3589	43.782	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.71	83	149229	2304.636	ug/l #	27
76) 1,2,3-Trichloropropane	12.76	75	279	5.948	ug/l #	100

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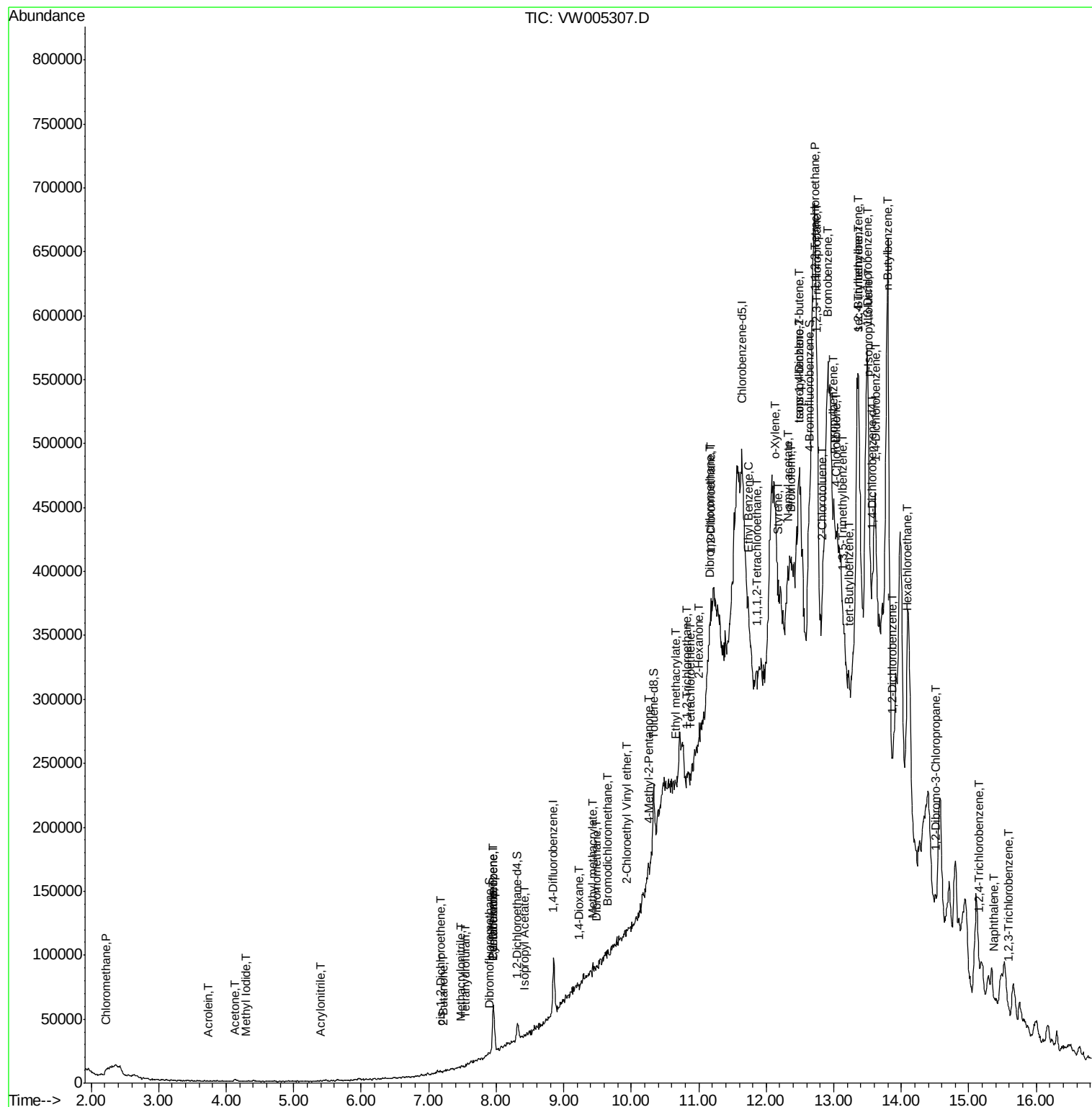
77) Bromobenzene	12.91	156	339044	3340.194	ug/l #	1
78) n-propylbenzene	13.00	91	2421	4.679	ug/l	85
79) 2-Chlorotoluene	12.83	91	2896	9.759	ug/l #	40
80) 1,3,5-Trimethylbenzene	13.14	105	1131	3.083	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.49	75	291	14.551	ug/l #	16
82) 4-Chlorotoluene	13.04	91	542	1.738	ug/l	77
83) tert-Butylbenzene	13.22	119	20384	63.527	ug/l #	38
84) 1,2,4-Trimethylbenzene	13.37	105	1751	4.749	ug/l	88
85) sec-Butylbenzene	13.37	105	1751	3.797	ug/l #	57
86) p-Isopropyltoluene	13.52	119	1125	2.756	ug/l #	8
87) 1,3-Dichlorobenzene	13.51	146	1667	7.821	ug/l #	26
88) 1,4-Dichlorobenzene	13.62	146	324	1.548	ug/l #	1
89) n-Butylbenzene	13.80	91	11815	30.788	ug/l #	39
90) Hexachloroethane	14.08	117	551	8.425	ug/l	87
91) 1,2-Dichlorobenzene	13.87	146	1550	8.274	ug/l #	39
92) 1,2-Dibromo-3-Chloropropan	14.51	75	291	27.025	ug/l #	37
93) 1,2,4-Trichlorobenzene	15.15	180	293	2.211	ug/l #	1
95) Naphthalene	15.37	128	586	2.727	ug/l #	57
96) 1,2,3-Trichlorobenzene	15.59	180	263	2.306	ug/l #	13

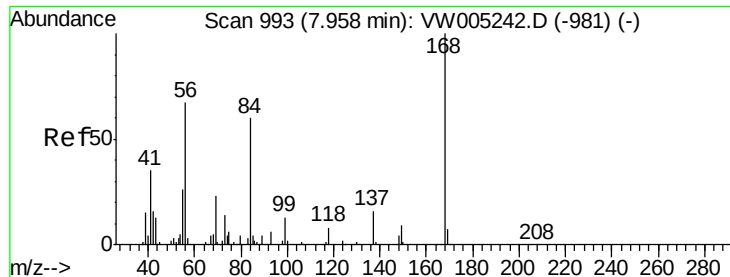
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005307.D

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MSVOA_W

ClientSampleId :

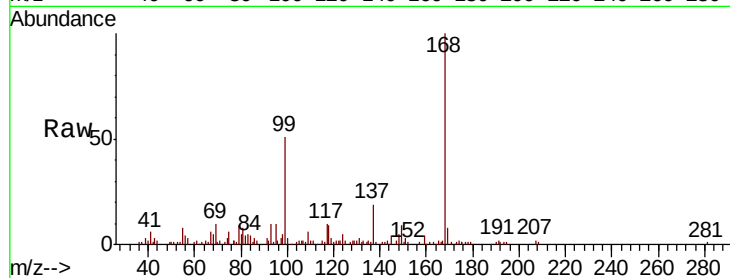
HR-05-090718-ARE

Tgt Ion:168 Resp: 29051

Ion Ratio Lower Upper

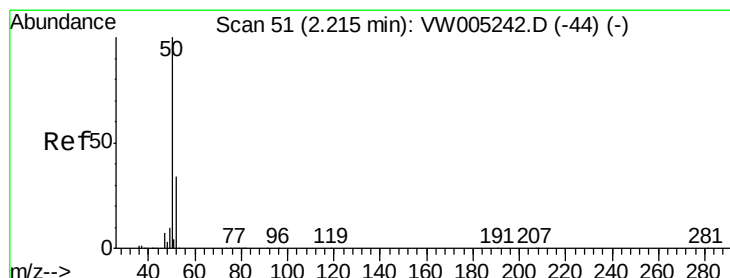
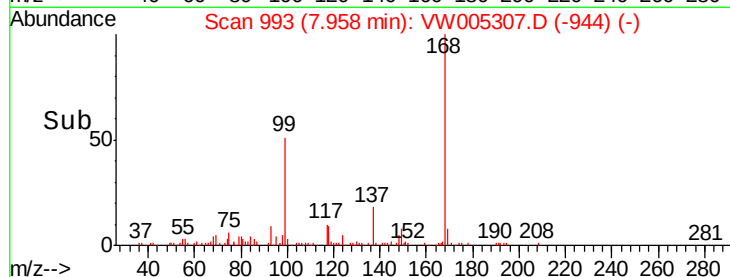
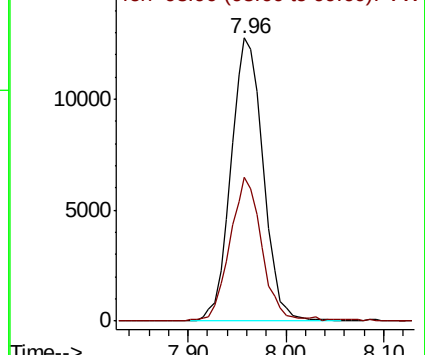
168 100

99 50.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.355 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005307.D

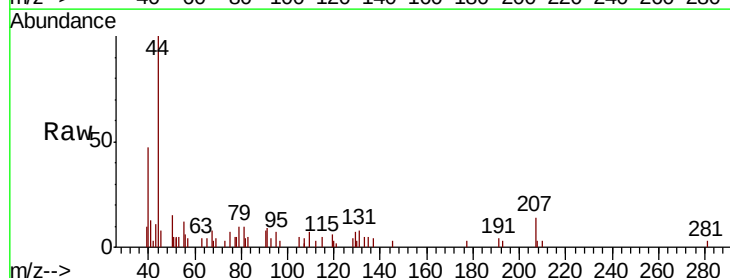
Acq: 12 Sep 2018 06:47

Tgt Ion: 50 Resp: 454

Ion Ratio Lower Upper

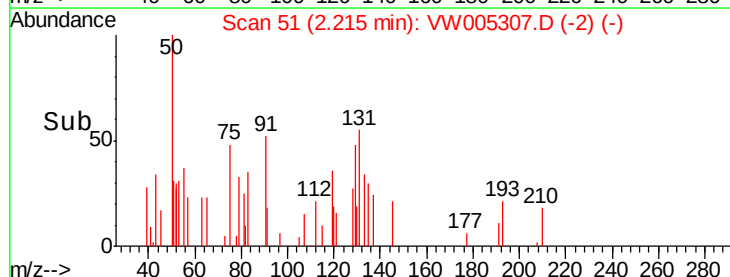
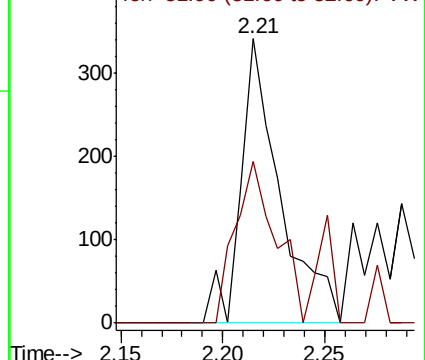
50 100

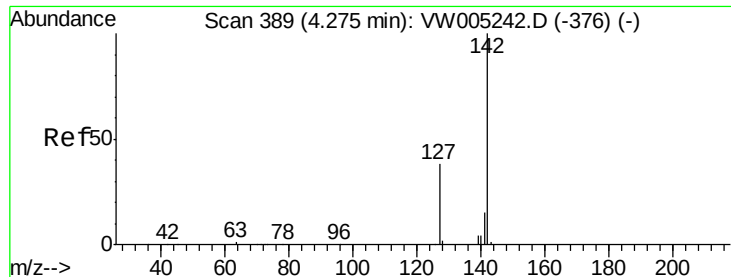
52 56.9 27.0 40.4#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

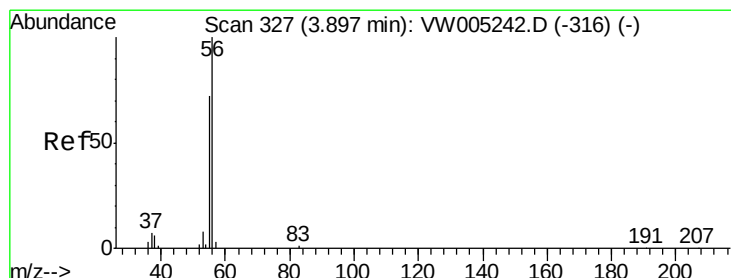
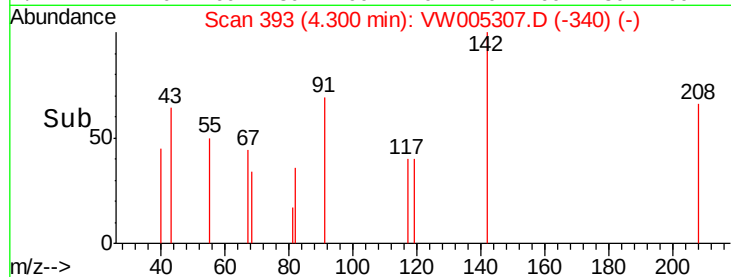
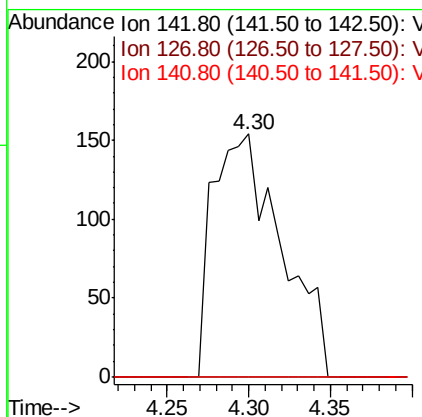
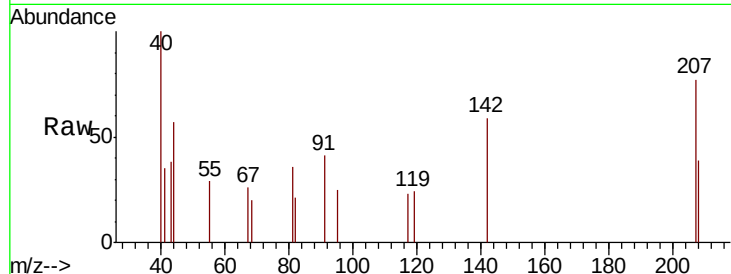




#10
Methyl Iodide
Concen: 4.692 ug/l
RT: 4.30 min Scan# 393
Delta R.T. 0.02 min
Lab File: VW005307.D
Acq: 12 Sep 2018 06:47

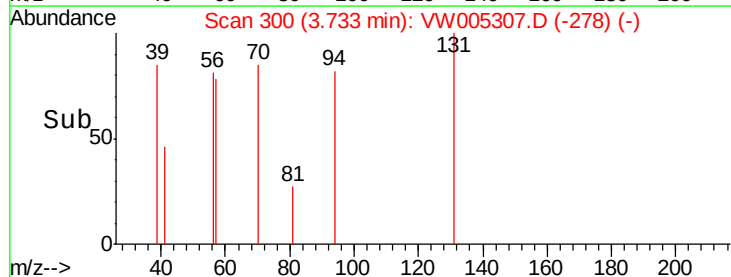
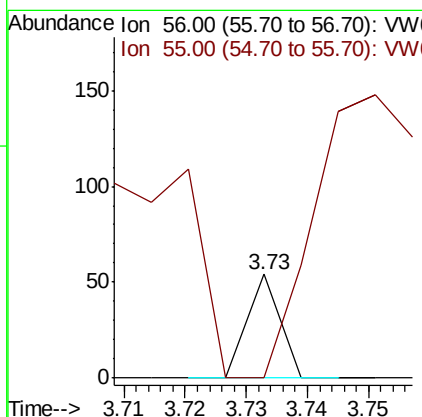
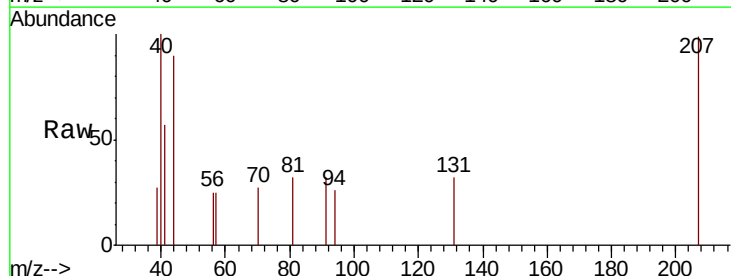
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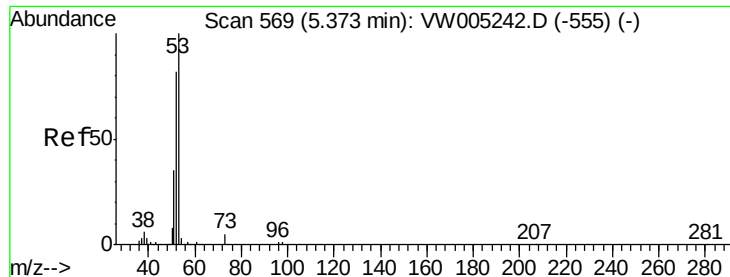
Tgt Ion: 142 Resp: 452
Ion Ratio Lower Upper
142 100
127 0.0 30.3 45.5#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 1.165 ug/l
RT: 3.73 min Scan# 300
Delta R.T. -0.16 min
Lab File: VW005307.D
Acq: 12 Sep 2018 06:47

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 865.0 56.8 85.2#

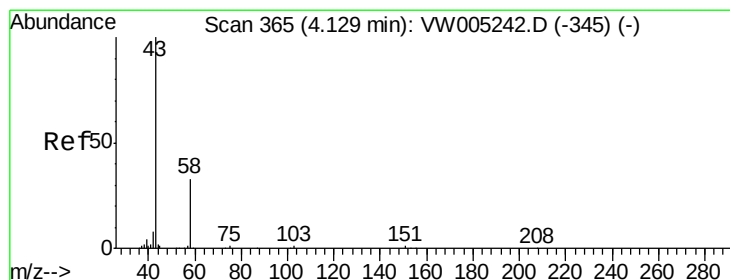
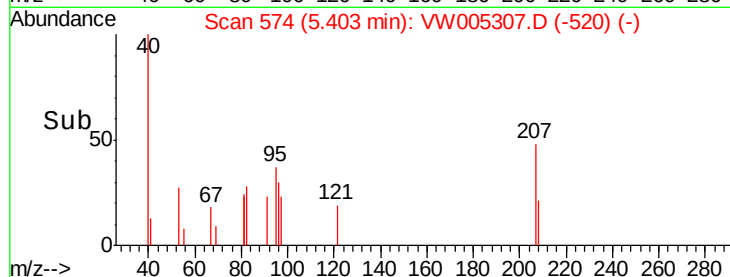
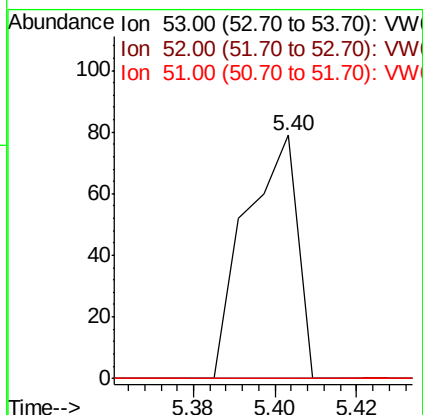
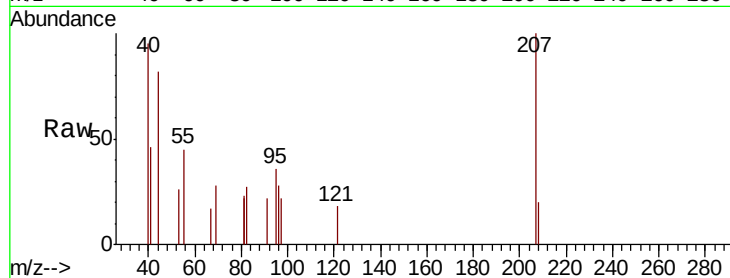




#15
 Acrylonitrile
 Concen: 1.251 ug/l
 RT: 5.40 min Scan# 574
 Delta R.T. 0.03 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

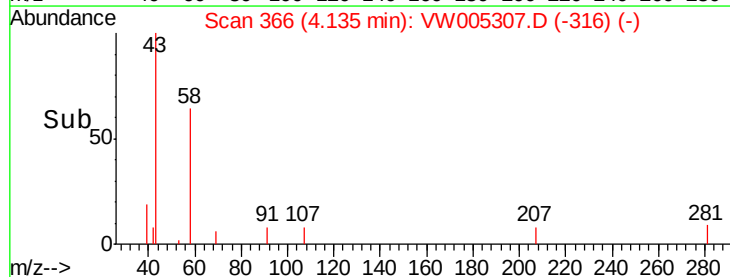
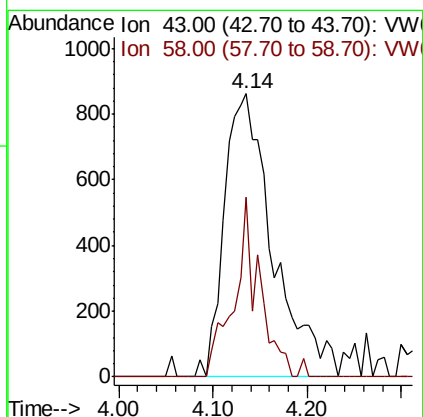
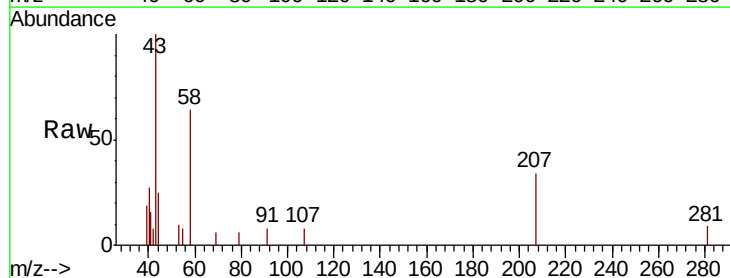
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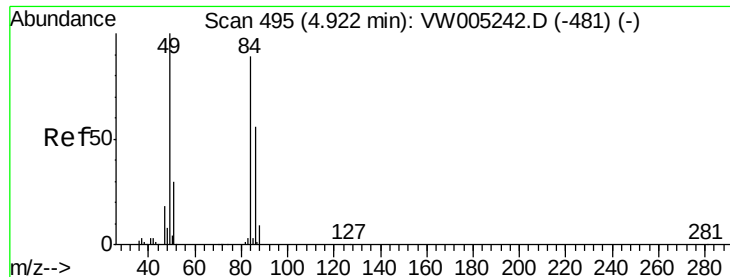
Tgt Ion: 53 Resp: 70
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.0 99.0#
 51 0.0 28.6 43.0#



#16
 Acetone
 Concen: 76.928 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

Tgt Ion: 43 Resp: 3094
 Ion Ratio Lower Upper
 43 100
 58 63.6 26.7 40.1#

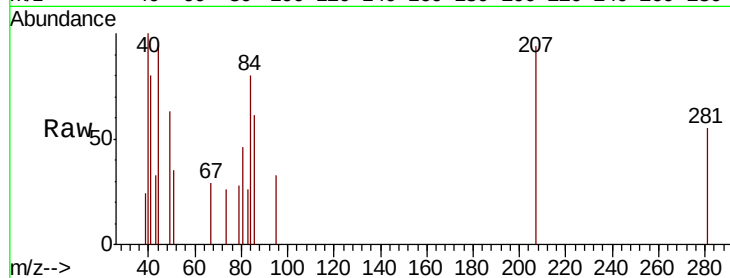




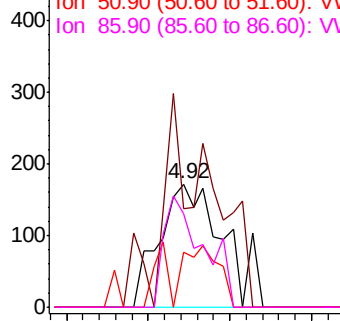
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW005307.D
Acq: 12 Sep 2018 06:47

Instrument :
MSVOA_W
ClientSampleId :
HR-05-090718-ARE

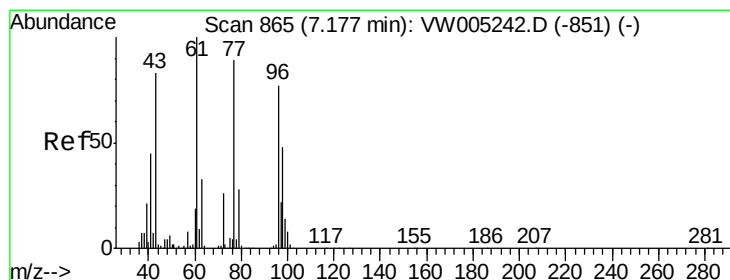
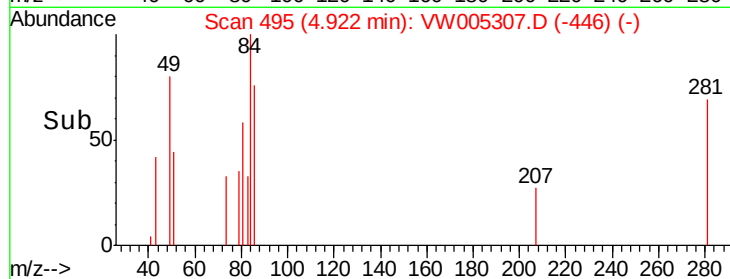
Tgt Ion: 84 Resp: 473
Ion Ratio Lower Upper
84 100
49 79.7 90.3 135.5#
51 44.2 26.9 40.3#
86 76.2 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

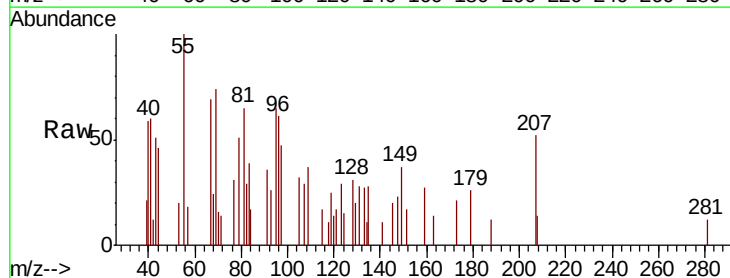


Time--> 4.85 4.90 4.95 5.00

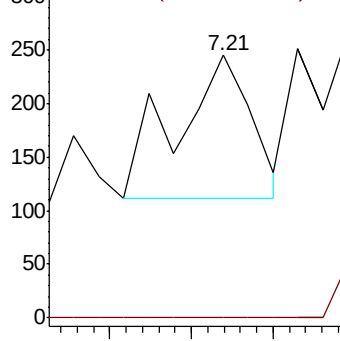


#25
2-Butanone
Concen: 2.711 ug/l
RT: 7.21 min Scan# 870
Delta R.T. 0.03 min
Lab File: VW005307.D
Acq: 12 Sep 2018 06:47

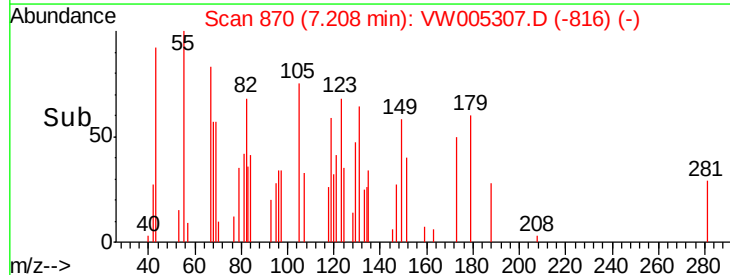
Tgt Ion: 43 Resp: 172
Ion Ratio Lower Upper
43 100
72 0.0 25.0 37.6#

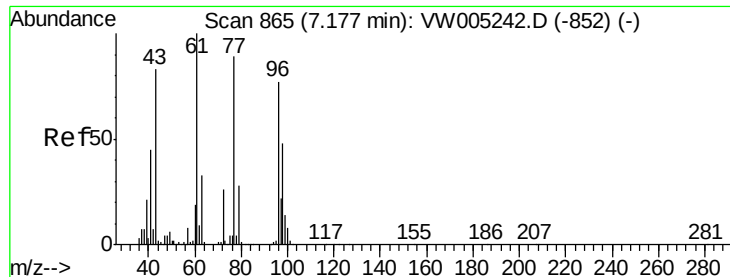


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



Time--> 7.18 7.20 7.22



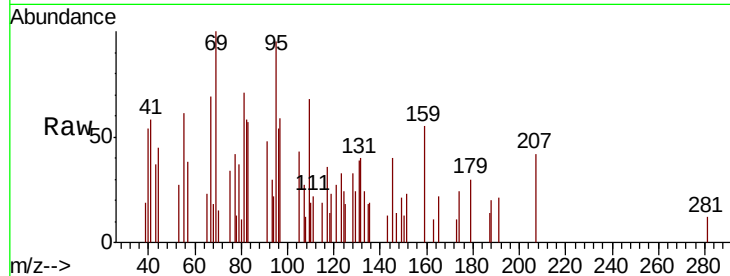


#27

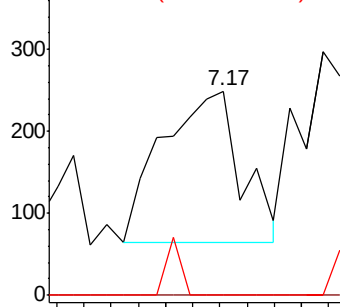
cis-1,2-Dichloroethene
 Concen: 1.308 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
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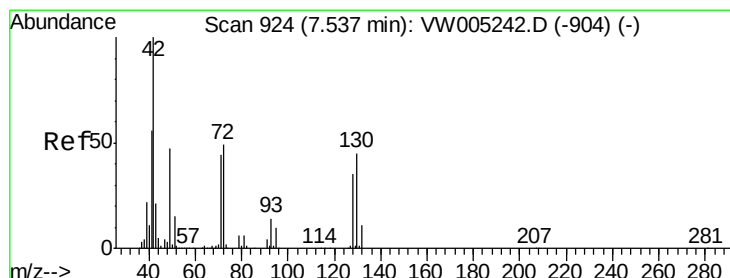
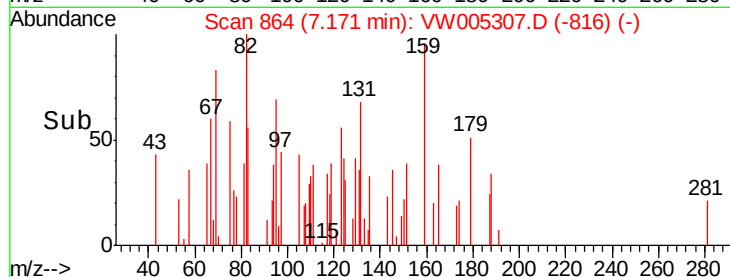
Tgt Ion: 96 Resp: 374
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 273.4
 98 7.0 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



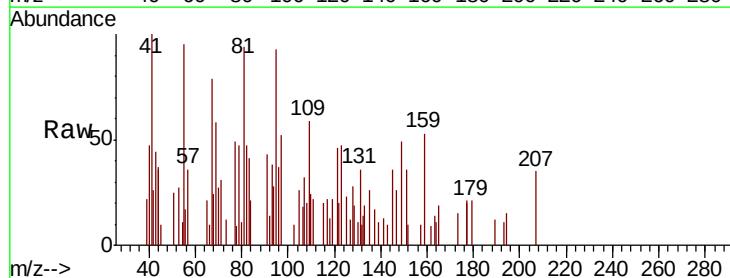
Time-->



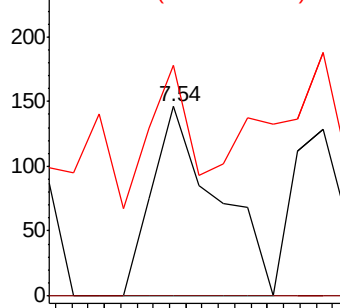
#29

Tetrahydrofuran
 Concen: 3.813 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

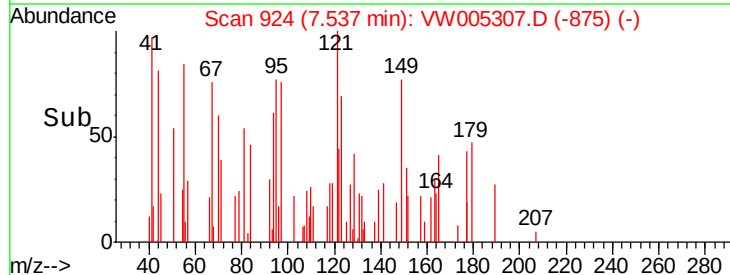
Tgt Ion: 42 Resp: 163
 Ion Ratio Lower Upper
 42 100
 72 0.0 37.5 56.3#
 71 58.9 34.8 52.2#

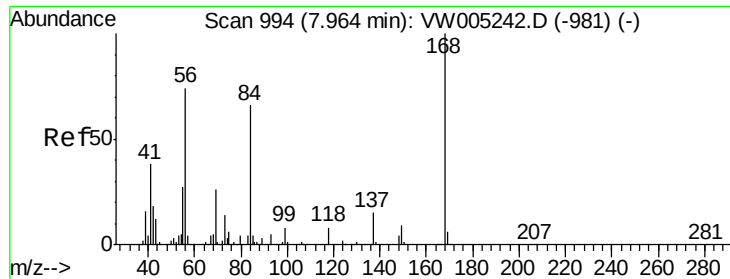


Abundance Ion 42.00 (41.70 to 42.70): VW
 Ion 72.00 (71.70 to 72.70): VW
 Ion 71.00 (70.70 to 71.70): VW



Time-->

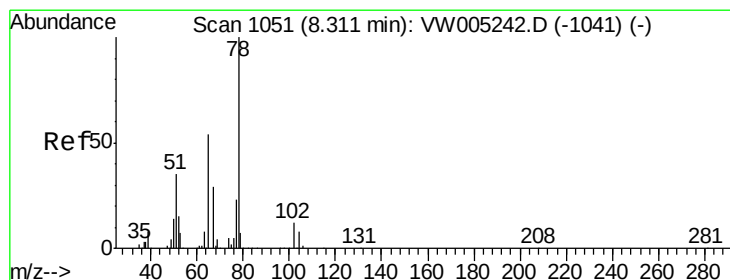
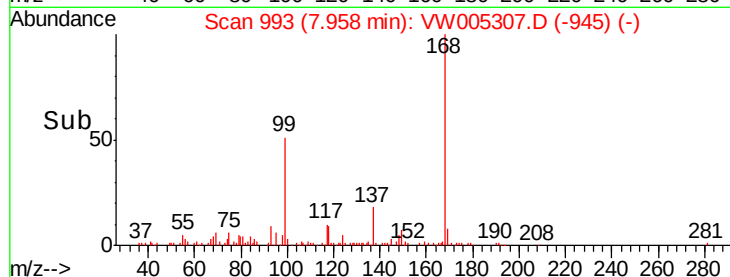
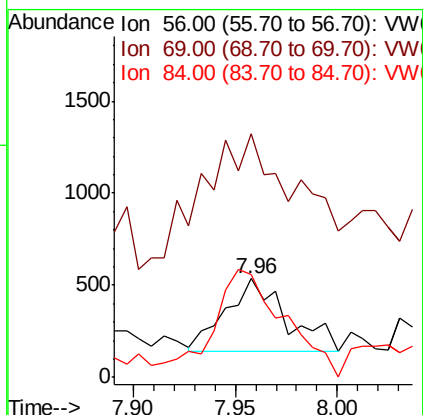
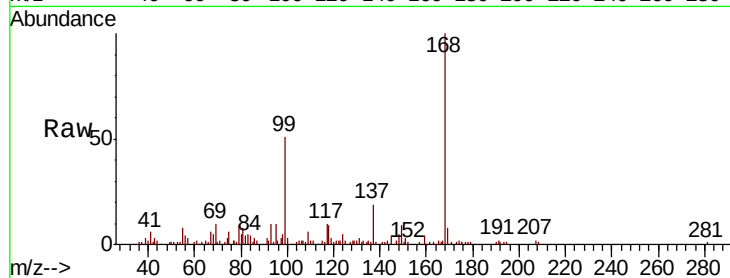




#31
Cyclohexane
Concen: 1.794 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005307.D
Acq: 12 Sep 2018 06:47

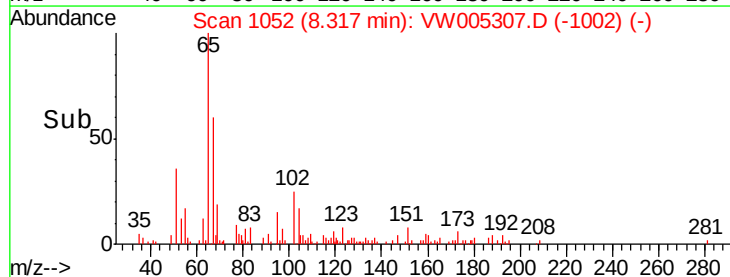
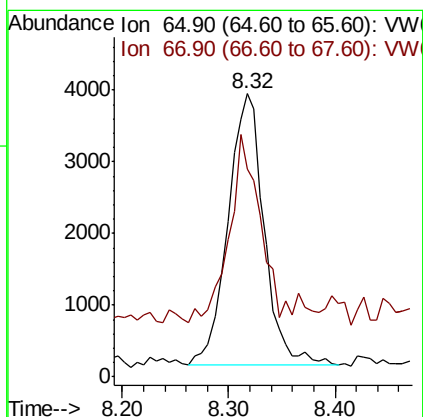
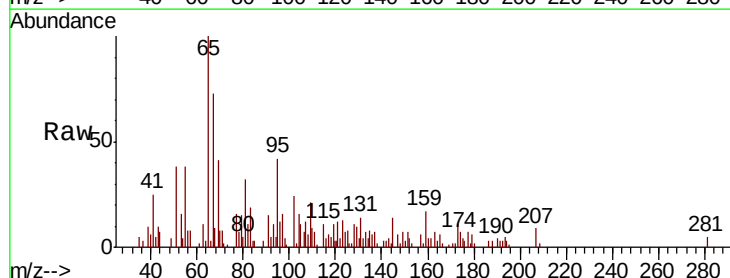
Instrument :
MSVOA_W
ClientSampleId :
HR-05-090718-ARE

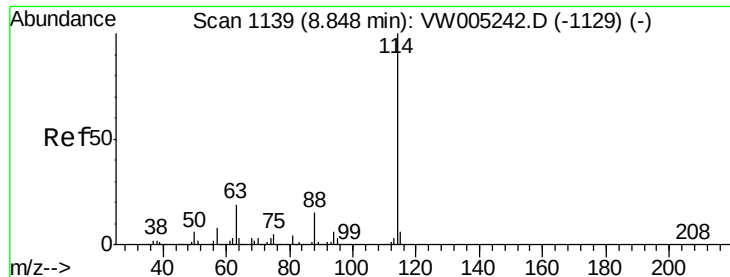
Tgt Ion: 56 Resp: 832
Ion Ratio Lower Upper
56 100
69 133.5 27.8 41.8#
84 140.1 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 41.397 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VW005307.D
Acq: 12 Sep 2018 06:47

Tgt Ion: 65 Resp: 8970
Ion Ratio Lower Upper
65 100
67 60.1 0.0 112.2

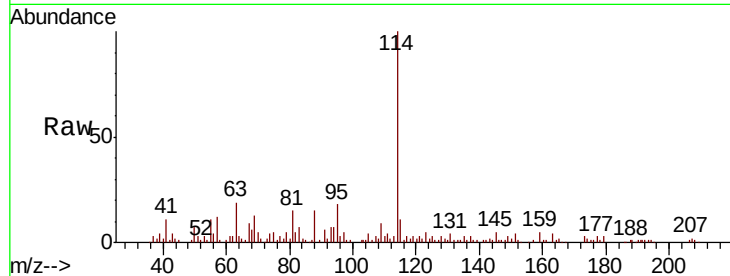




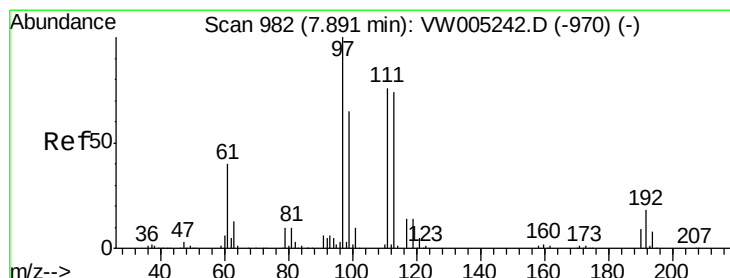
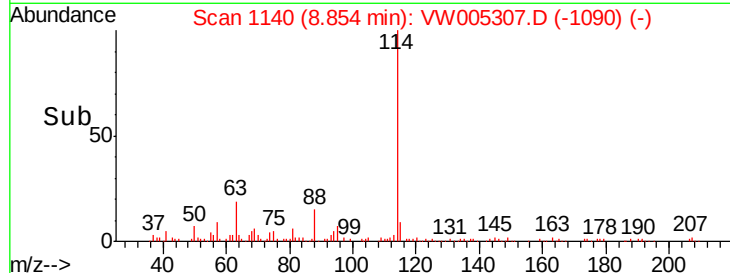
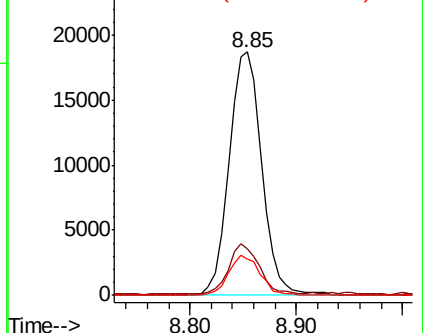
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-090718-ARE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	37.0
88	15.0	0.0	30.4

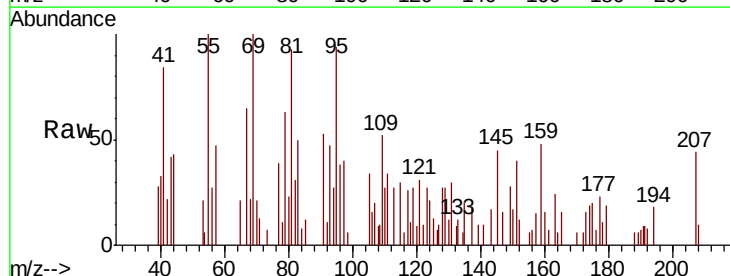


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

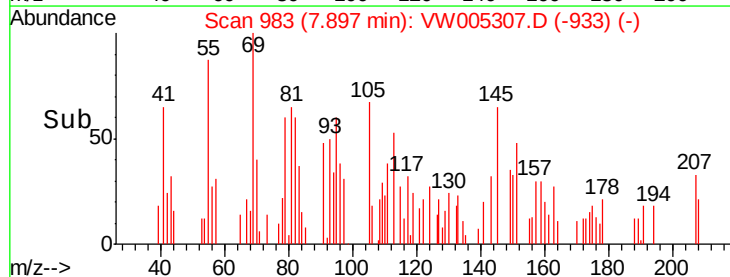
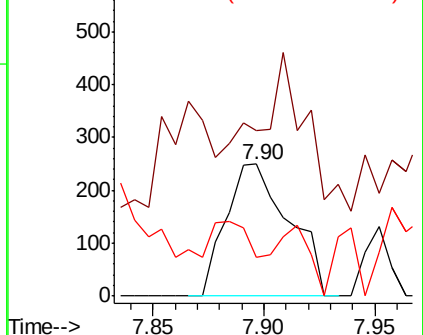


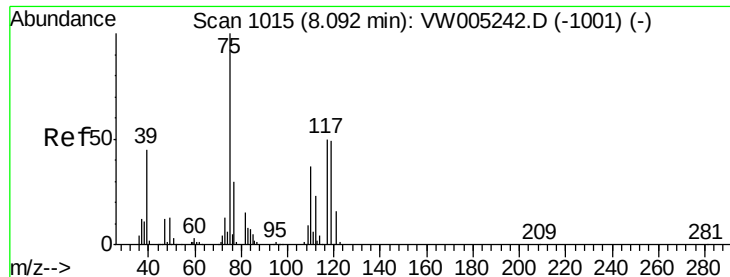
#35
 Dibromofluoromethane
 Concen: 2.326 ug/l
 RT: 7.90 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	65.3	80.6	121.0#
192	24.3	18.3	27.5



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

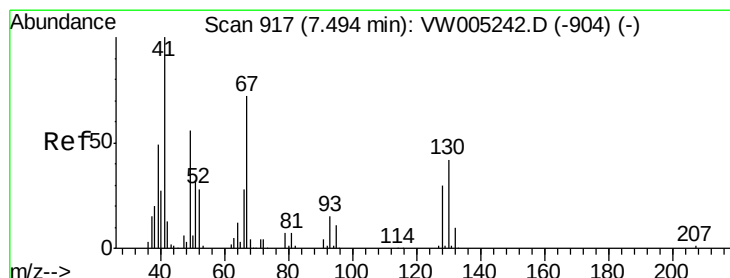
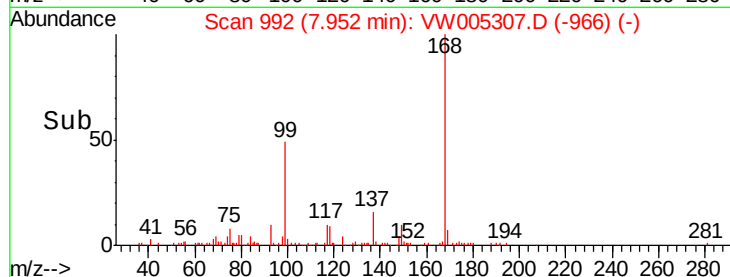
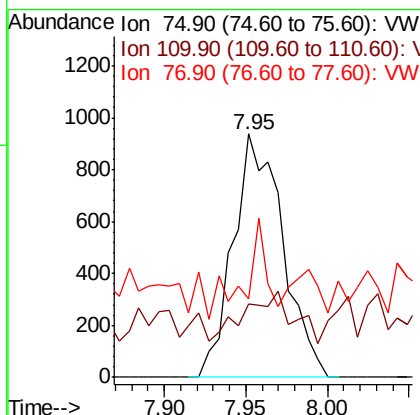
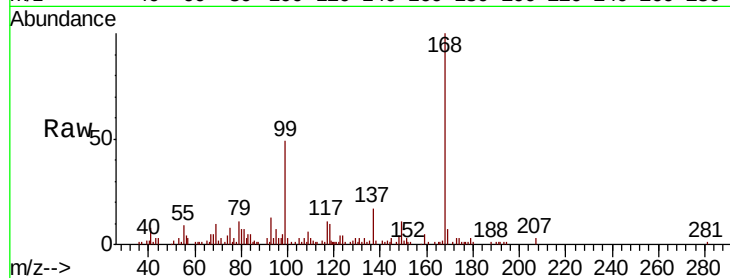




#36
 1,1-Dichloropropene
 Concen: 5.358 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

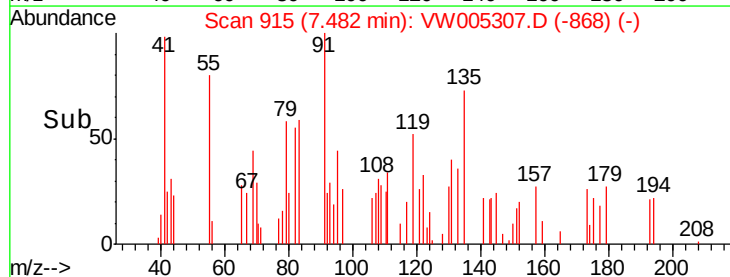
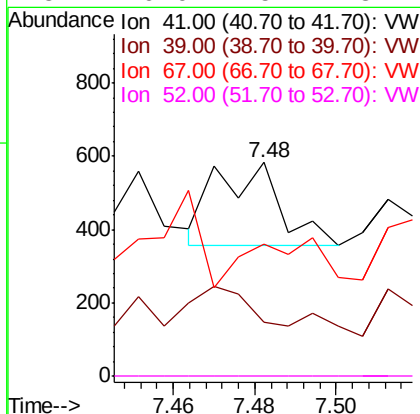
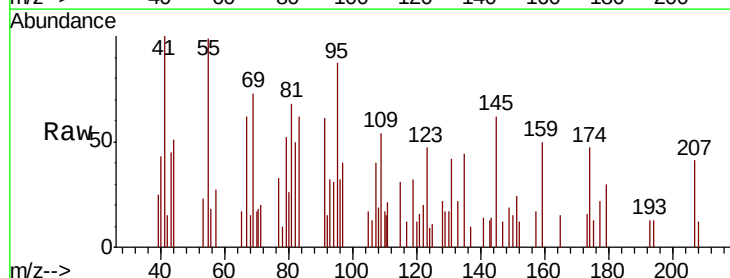
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-090718-ARE

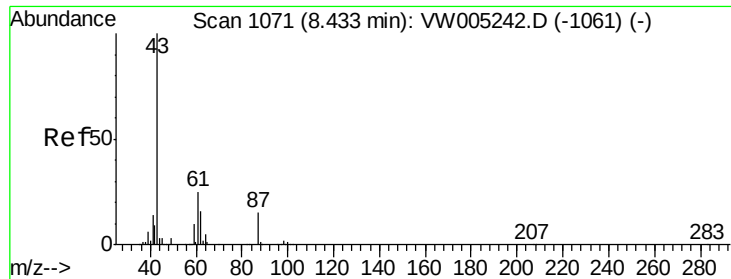
Tgt Ion: 75 Resp: 1974
 Ion Ratio Lower Upper
 75 100
 110 21.2 18.8 56.4
 77 10.9 24.9 37.3#



#41
 Methacrylonitrile
 Concen: 3.394 ug/l
 RT: 7.48 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

Tgt Ion: 41 Resp: 244
 Ion Ratio Lower Upper
 41 100
 39 0.0 39.9 59.9#
 67 44.7 65.7 98.5#
 52 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 1.791 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-ARE

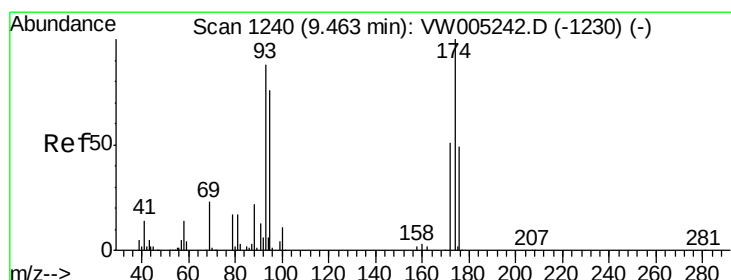
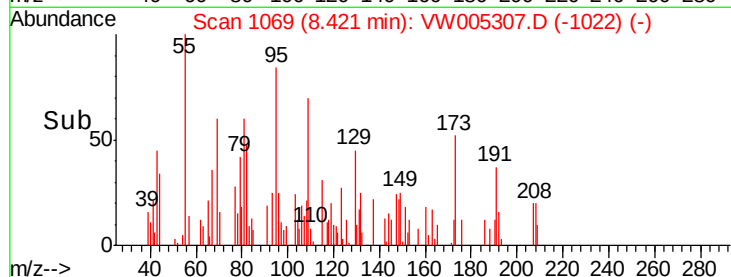
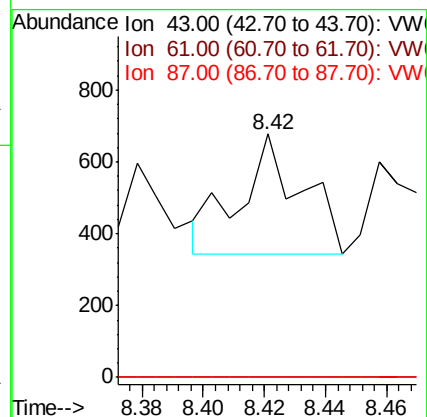
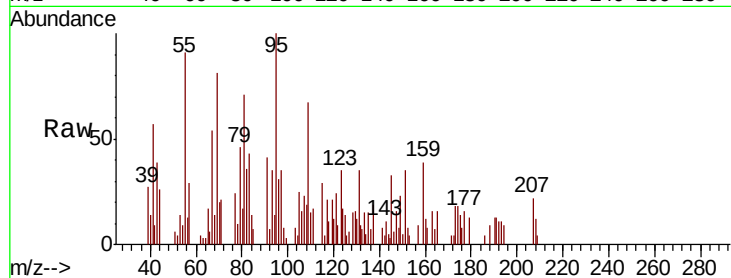
Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

43 100

61 0.0 25.4 38.0#

87 0.0 11.9 17.9#



#46

Dibromomethane

Concen: 9.264 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

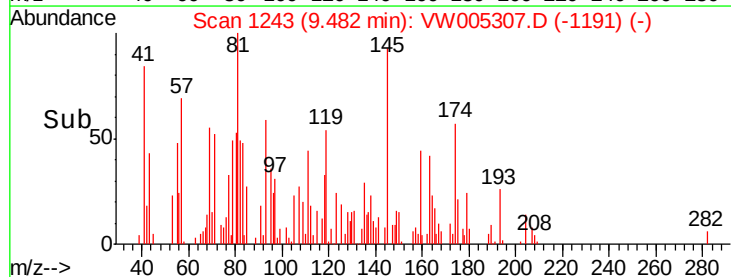
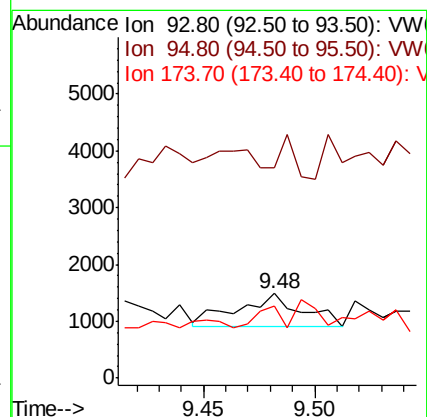
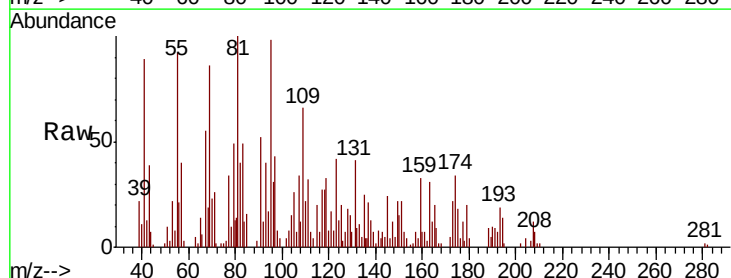
Tgt Ion: 93 Resp: 1183

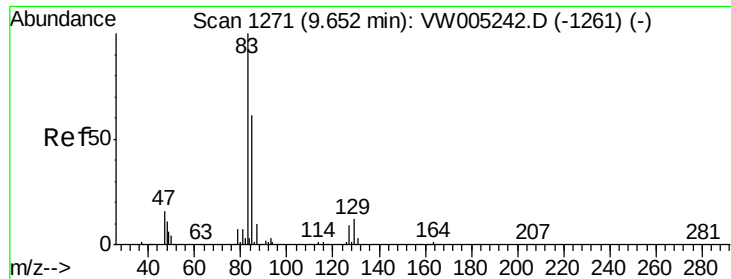
Ion Ratio Lower Upper

93 100

95 56.8 67.0 100.4#

174 23.2 92.2 138.2#





#47

Bromodichloromethane

Concen: 1.844 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-ARE

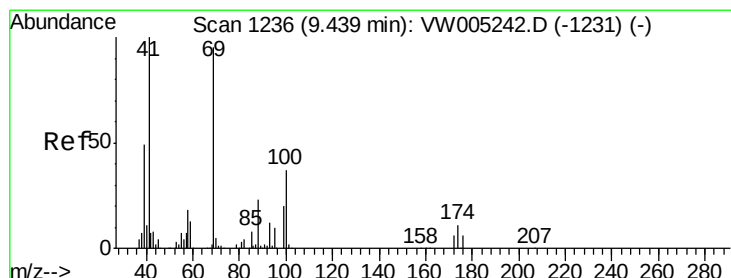
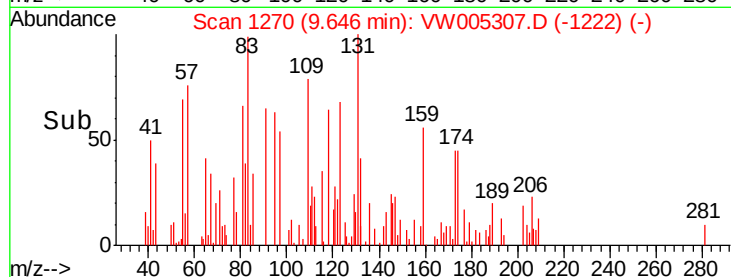
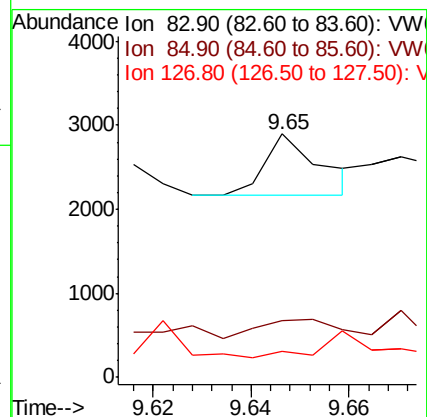
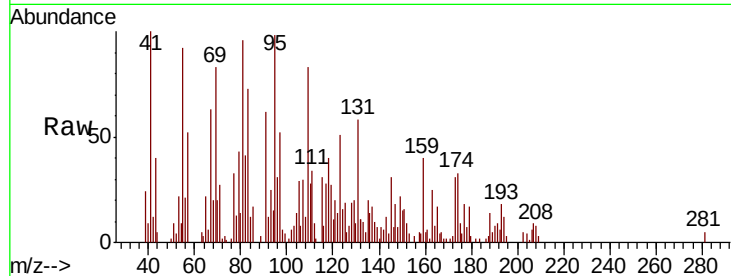
Tgt Ion: 83 Resp: 576

Ion Ratio Lower Upper

83 100

85 15.0 49.0 73.6#

127 6.4 7.0 10.4#



#48

Methyl methacrylate

Concen: 8.563 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

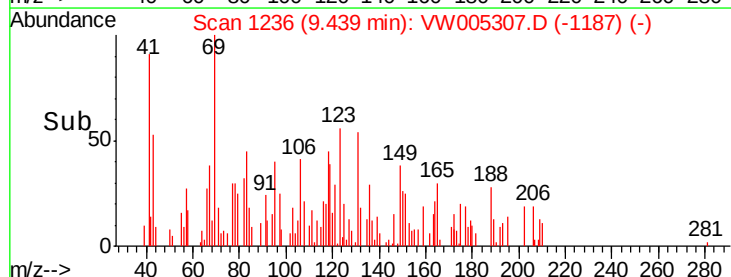
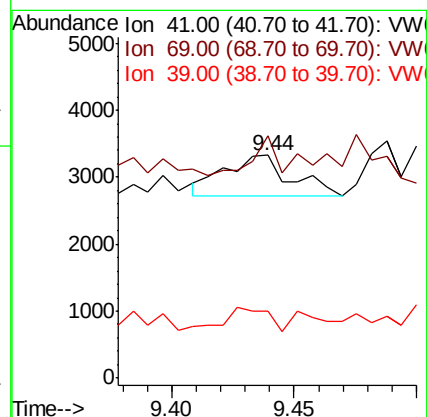
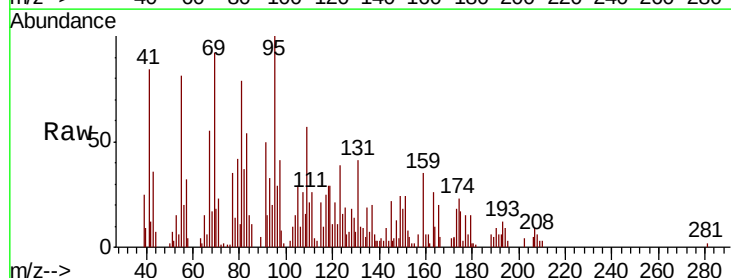
Tgt Ion: 41 Resp: 1157

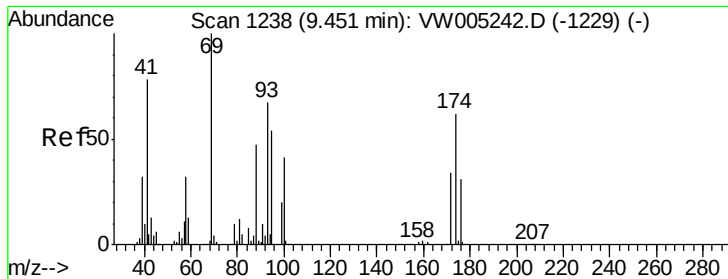
Ion Ratio Lower Upper

41 100

69 34.7 74.6 112.0#

39 37.4 36.7 55.1

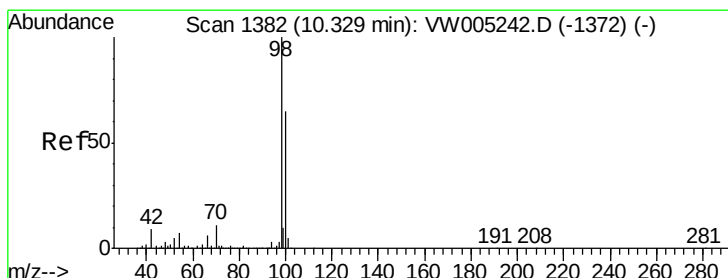
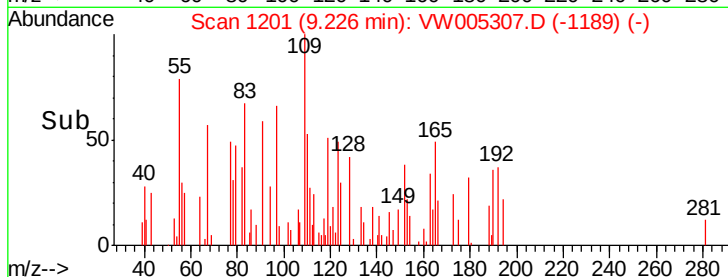
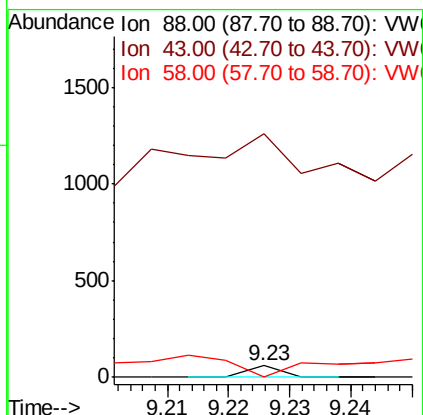
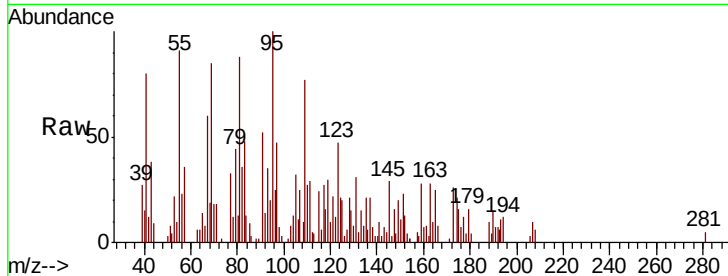




#49
1,4-Dioxane
Concen: 9.227 ug/l
RT: 9.23 min Scan# 1201
Delta R.T. -0.23 min
Lab File: VW005307.D
Acq: 12 Sep 2018 06:47

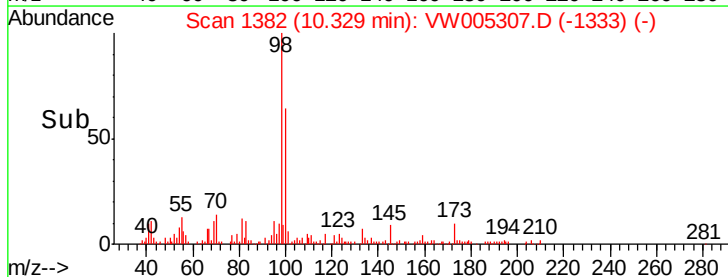
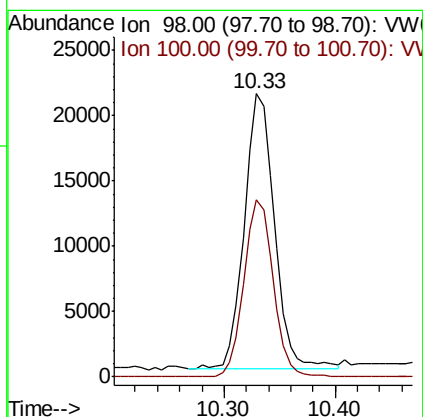
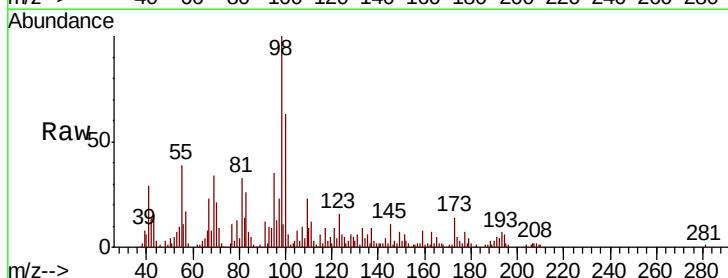
Instrument :
MSVOA_W
ClientSampleId :
HR-05-090718-ARE

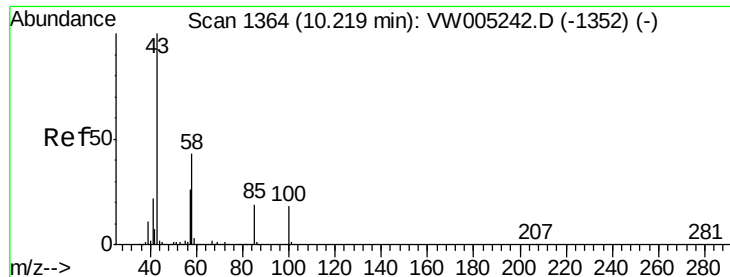
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 1640.9 22.7 34.1#
58 0.0 56.6 85.0#



#50
Toluene-d8
Concen: 37.393 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005307.D
Acq: 12 Sep 2018 06:47

Tgt Ion: 98 Resp: 39803
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 12.770 ug/l

RT: 10.27 min Scan# 1372

Delta R.T. 0.05 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

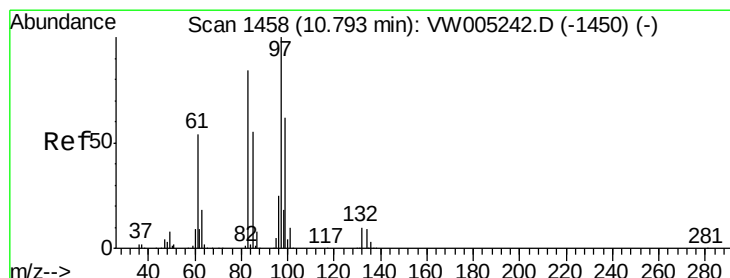
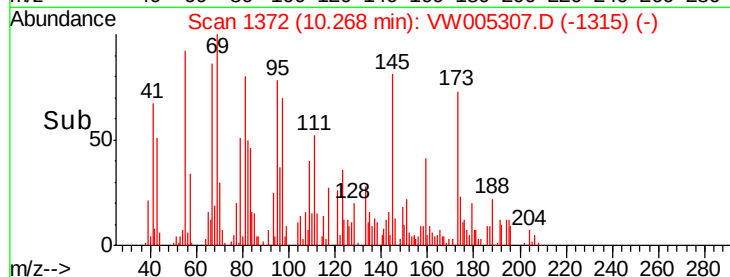
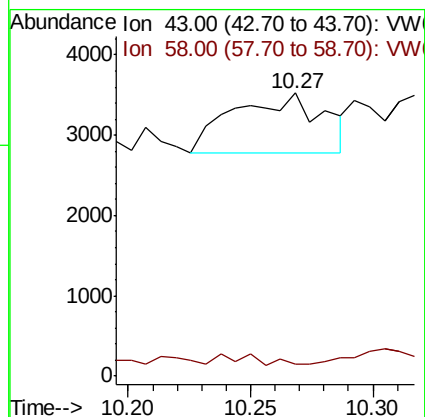
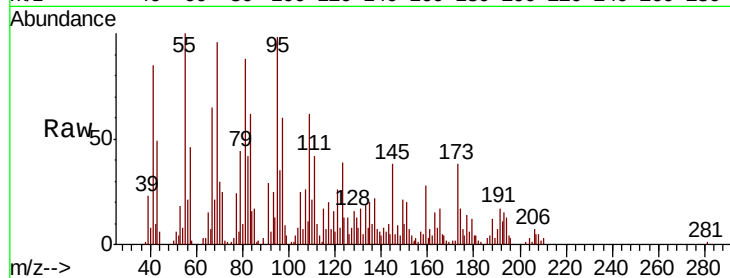
HR-05-090718-ARE

Tgt Ion: 43 Resp: 1870

Ion Ratio Lower Upper

43 100

58 0.0 33.8 50.6#



#55

1,1,2-Trichloroethane

Concen: 4.165 ug/l

RT: 10.82 min Scan# 1463

Delta R.T. 0.03 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Tgt Ion: 97 Resp: 848

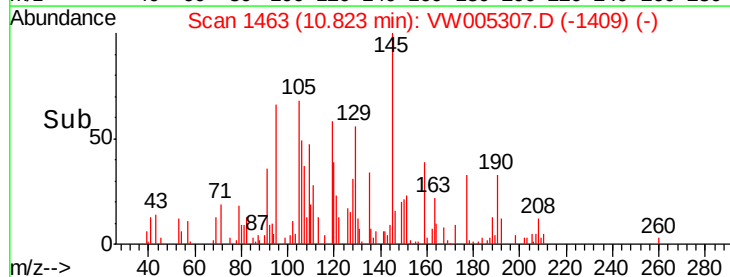
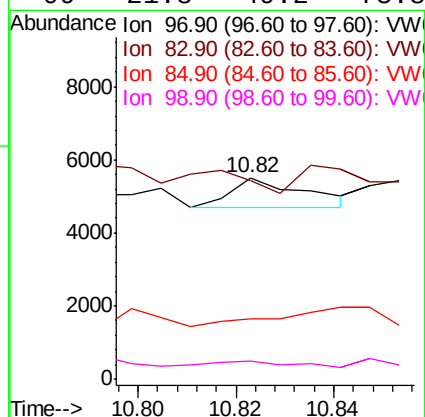
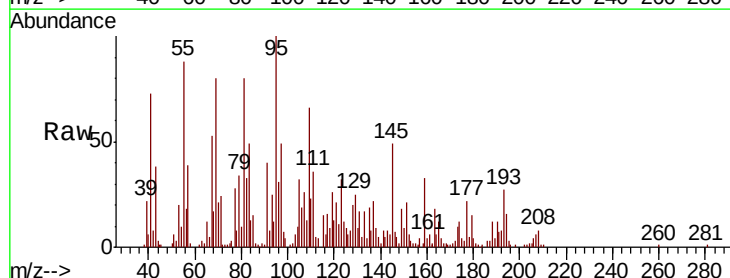
Ion Ratio Lower Upper

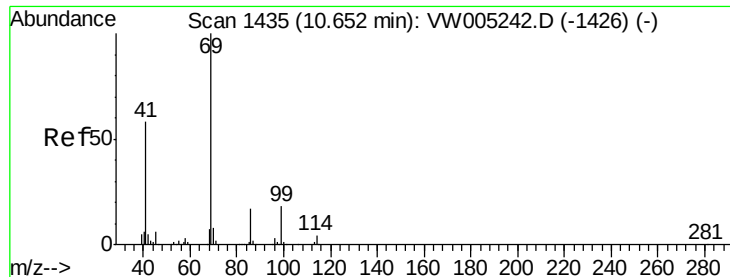
97 100

83 0.0 67.2 100.8#

85 24.4 44.4 66.6#

99 21.8 49.2 73.8#

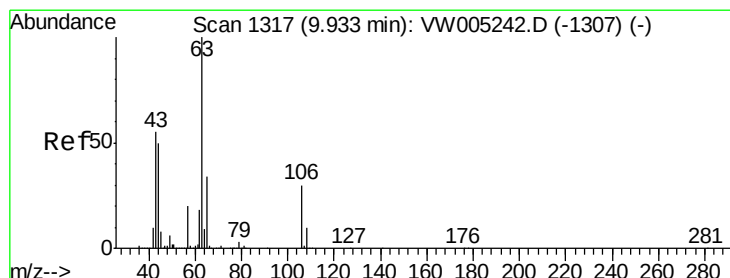
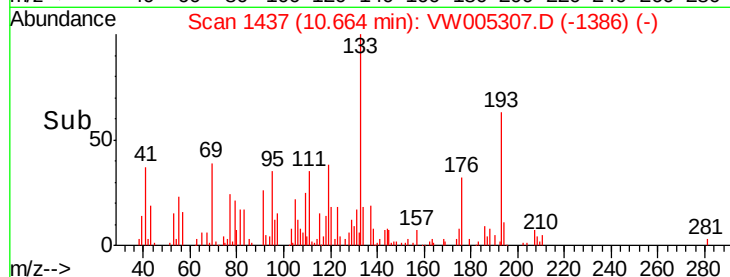
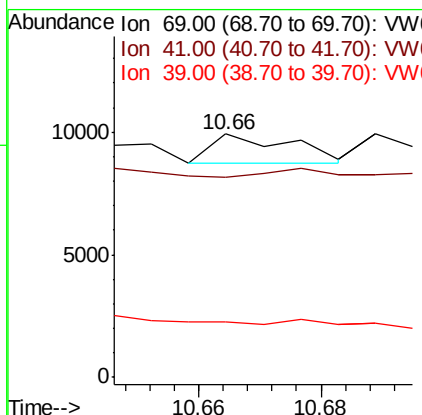
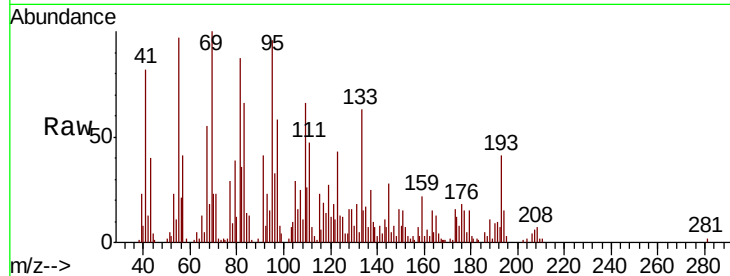




#56
Ethyl methacrylate
Concen: 4.118 ug/l
RT: 10.66 min Scan# 1437
Delta R.T. 0.01 min
Lab File: VW005307.D
Acq: 12 Sep 2018 06:47

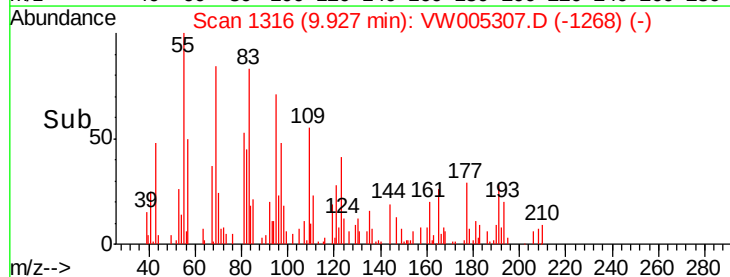
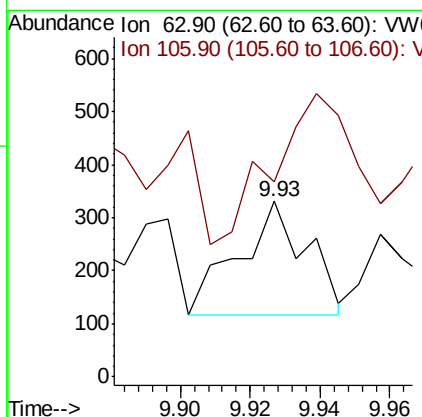
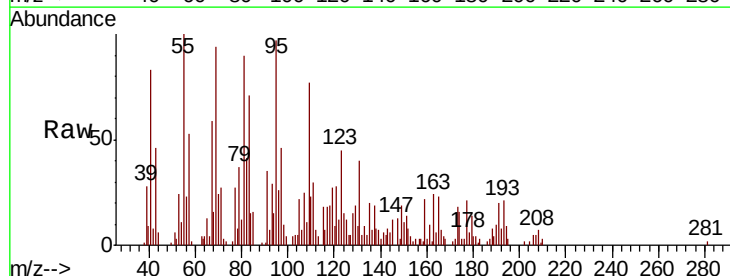
Instrument :
MSVOA_W
ClientSampleId :
HR-05-090718-ARE

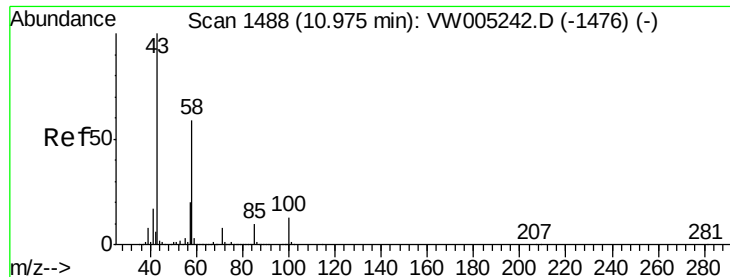
Tgt Ion: 69 Resp: 1063
Ion Ratio Lower Upper
69 100
41 47.3 48.7 73.1#
39 0.0 20.9 31.3#



#58
2-Chloroethyl Vinyl ether
Concen: 2.576 ug/l
RT: 9.93 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VW005307.D
Acq: 12 Sep 2018 06:47

Tgt Ion: 63 Resp: 289
Ion Ratio Lower Upper
63 100
106 161.2 23.4 35.0#

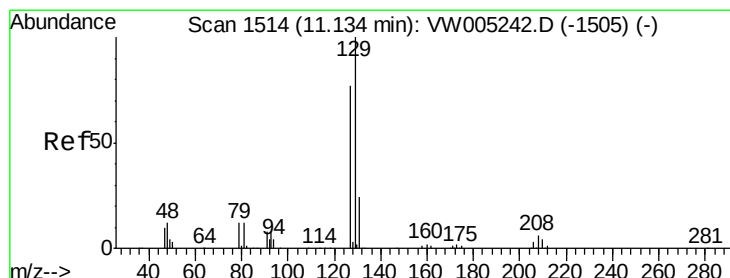
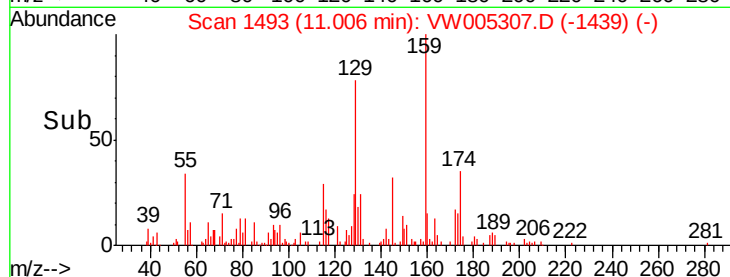
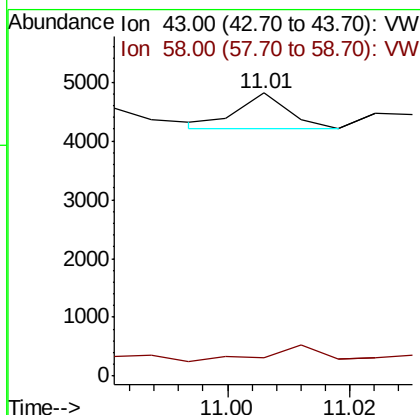
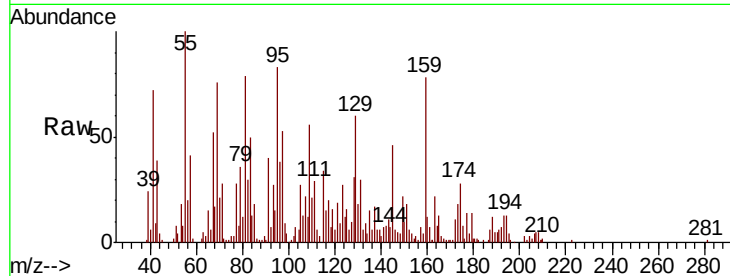




#59
2-Hexanone
Concen: 3.135 ug/l
RT: 11.01 min Scan# 1493
Delta R.T. 0.03 min
Lab File: VW005307.D
Acq: 12 Sep 2018 06:47

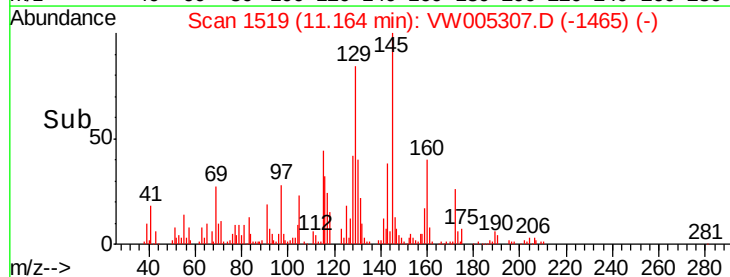
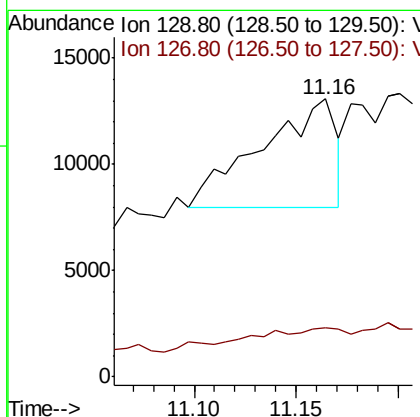
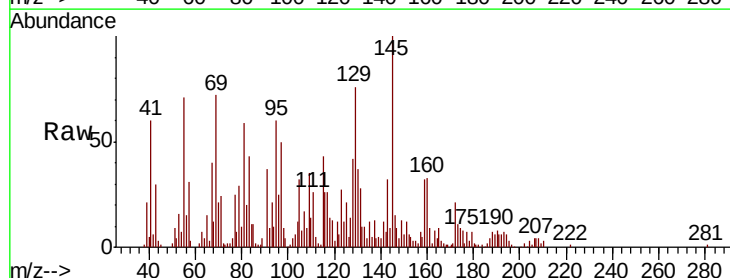
Instrument :
MSVOA_W
ClientSampleId :
HR-05-090718-ARE

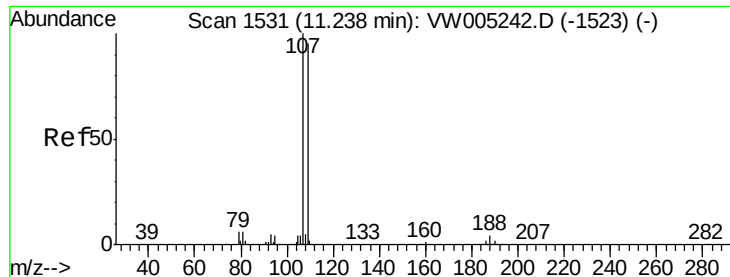
Tgt Ion: 43 Resp: 331
Ion Ratio Lower Upper
43 100
58 62.8 29.3 87.9



#60
Dibromochloromethane
Concen: 57.468 ug/l
RT: 11.16 min Scan# 1519
Delta R.T. 0.03 min
Lab File: VW005307.D
Acq: 12 Sep 2018 06:47

Tgt Ion: 129 Resp: 12984
Ion Ratio Lower Upper
129 100
127 30.1 39.0 117.0#

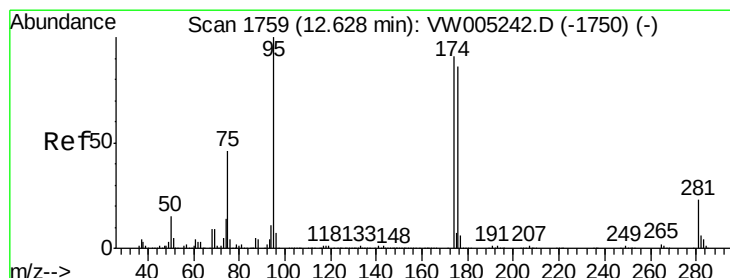
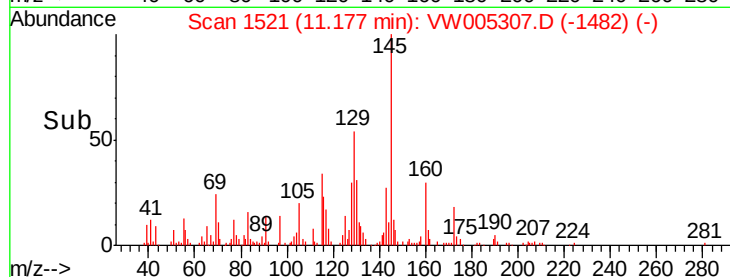
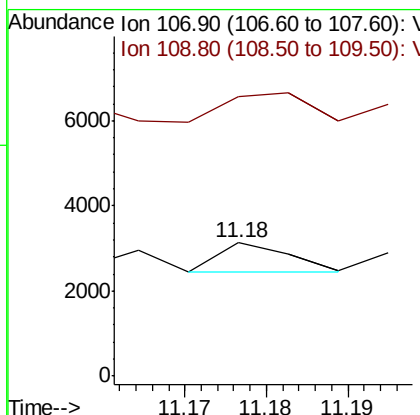
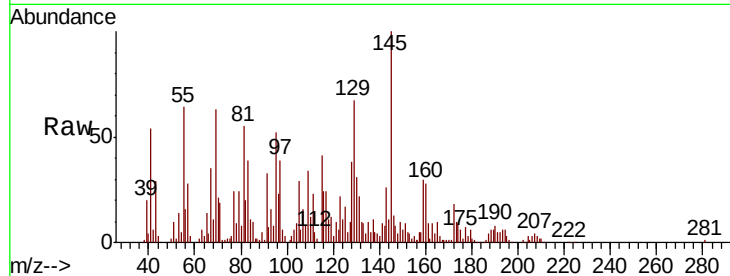




#61
 1,2-Dibromoethane
 Concen: 2.281 ug/l
 RT: 11.18 min Scan# 1521
 Delta R.T. -0.06 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

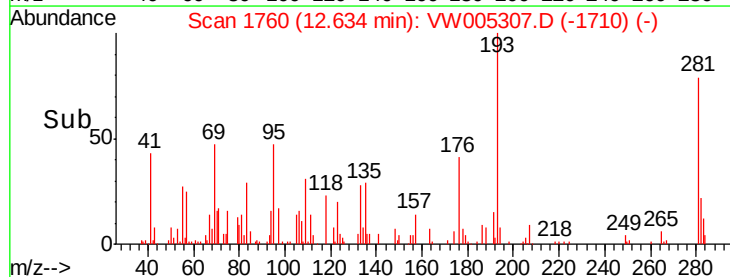
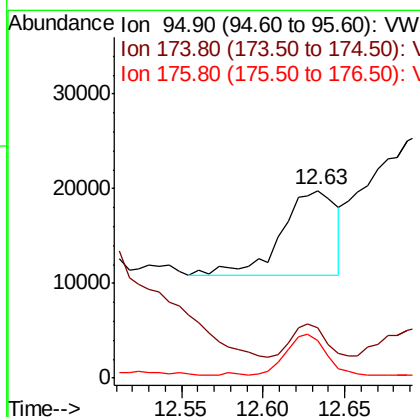
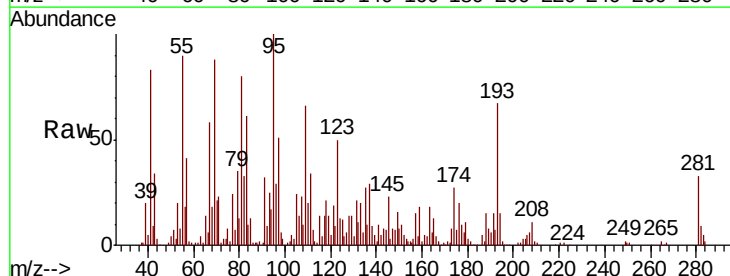
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-090718-ARE

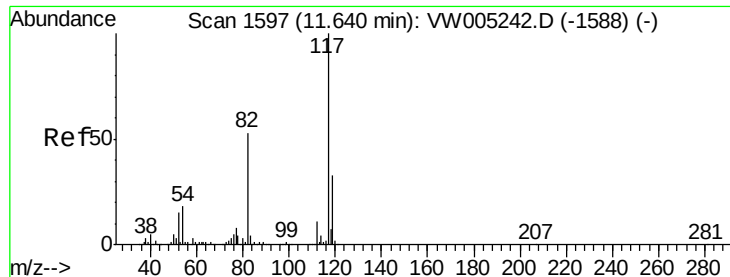
Tgt Ion: 107 Resp: 426
 Ion Ratio Lower Upper
 107 100
 109 112.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 53.330 ug/l
 RT: 12.63 min Scan# 1760
 Delta R.T. 0.01 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

Tgt Ion: 95 Resp: 20764
 Ion Ratio Lower Upper
 95 100
 174 23.8 0.0 174.6
 176 35.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-ARE

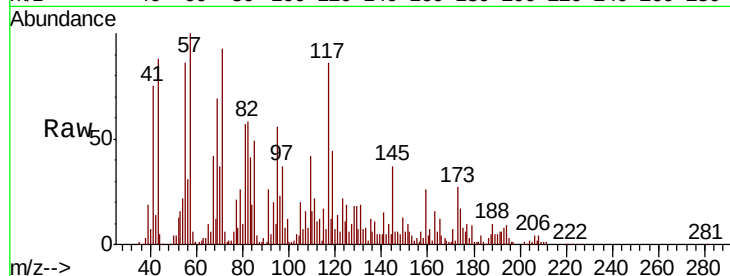
Tgt Ion:117 Resp: 34049

Ion Ratio Lower Upper

117 100

82 49.1 42.6 63.8

119 36.8 26.2 39.4

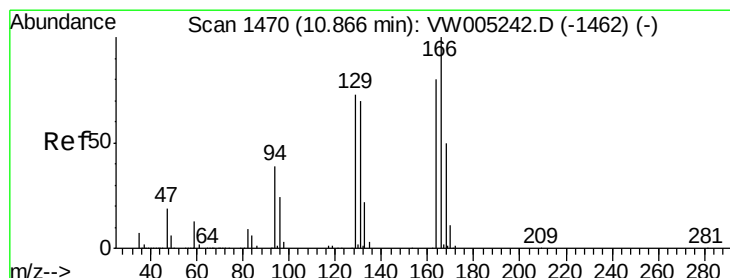
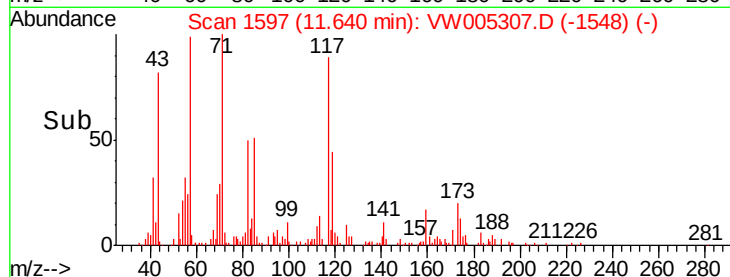
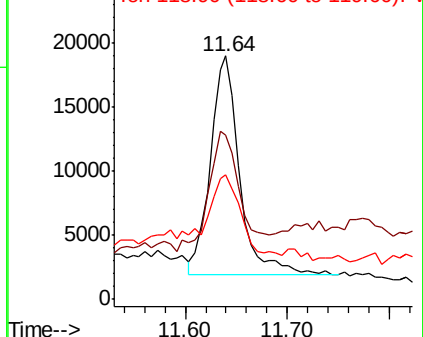


Abundance

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



#64

Tetrachloroethene

Concen: 2.945 ug/l

RT: 10.87 min Scan# 1471

Delta R.T. 0.01 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Tgt Ion:164 Resp: 744

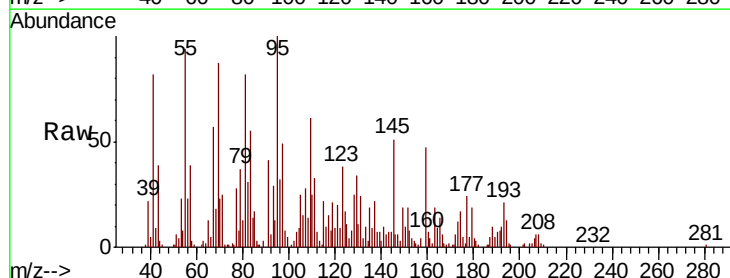
Ion Ratio Lower Upper

164 100

166 41.5 100.2 150.2#

129 37.1 73.2 109.8#

131 90.6 70.2 105.4



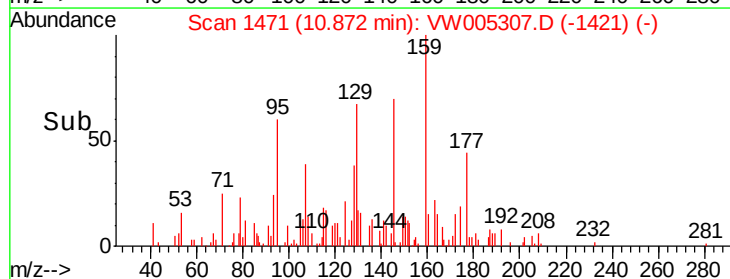
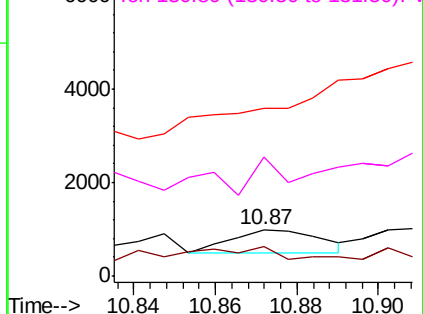
Abundance

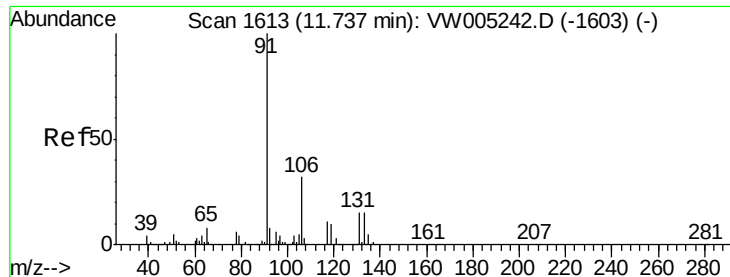
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

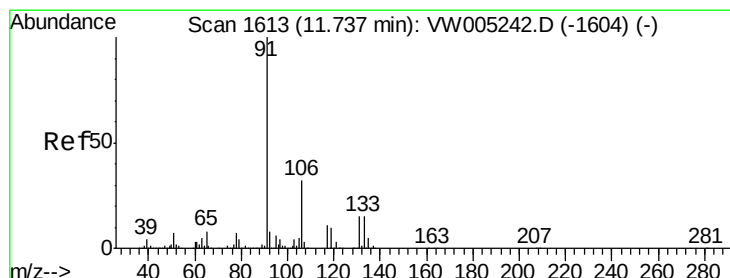
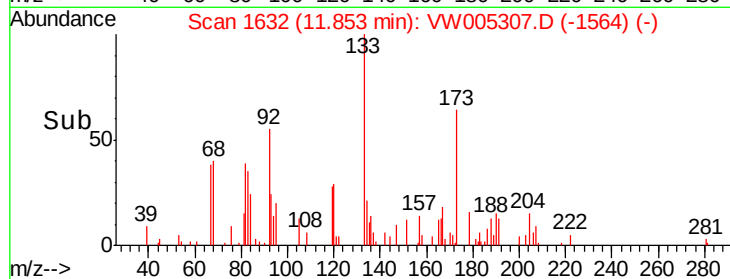
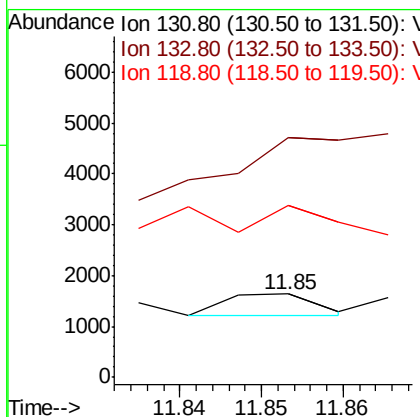
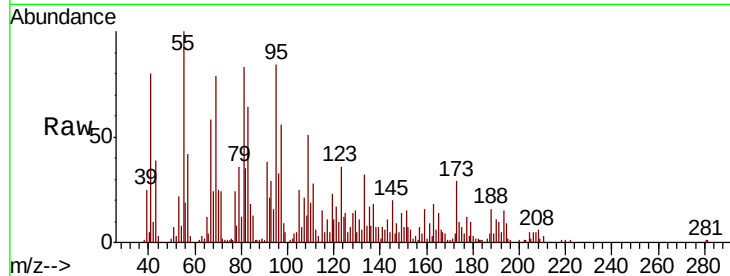




#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.486 ug/l
 RT: 11.85 min Scan# 1632
 Delta R.T. 0.12 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

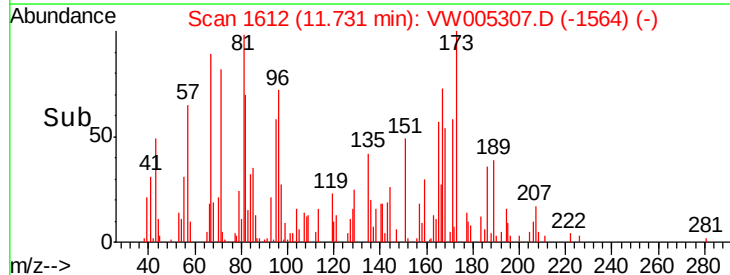
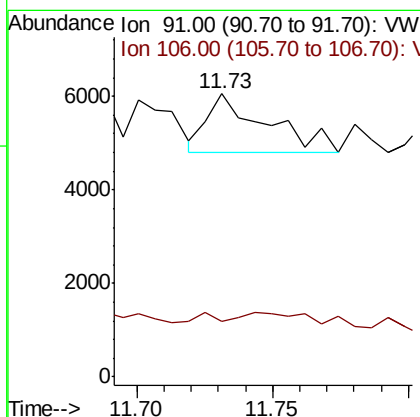
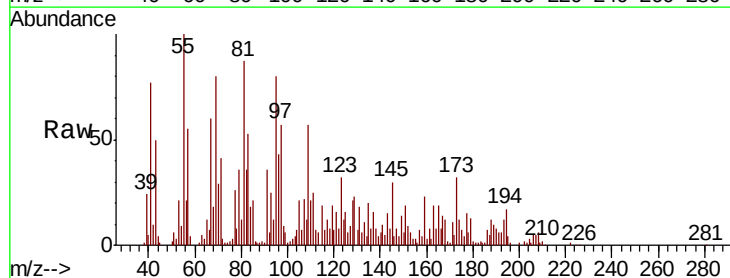
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-090718-ARE

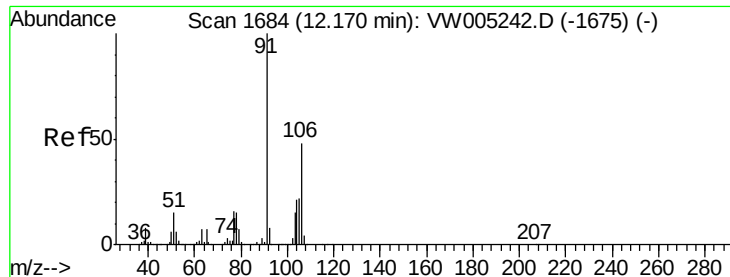
Tgt Ion: 131 Resp: 331
 Ion Ratio Lower Upper
 131 100
 133 4208.2 48.1 144.3#
 119 0.0 33.4 100.1#



#67
 Ethyl Benzene
 Concen: 1.443 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

Tgt Ion: 91 Resp: 1875
 Ion Ratio Lower Upper
 91 100
 106 0.0 25.6 38.4#





#69

o-Xylene

Concen: 2.355 ug/l

RT: 12.13 min Scan# 1678

Delta R.T. -0.04 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

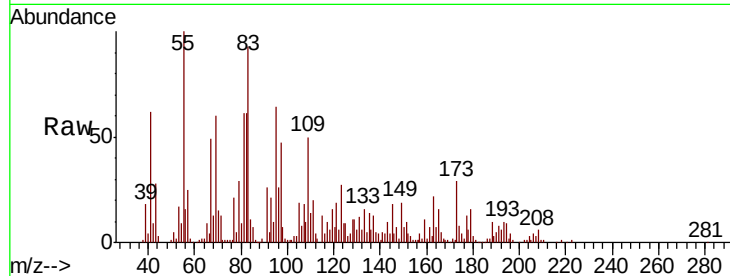
HR-05-090718-ARE

Tgt Ion:106 Resp: 1147

Ion Ratio Lower Upper

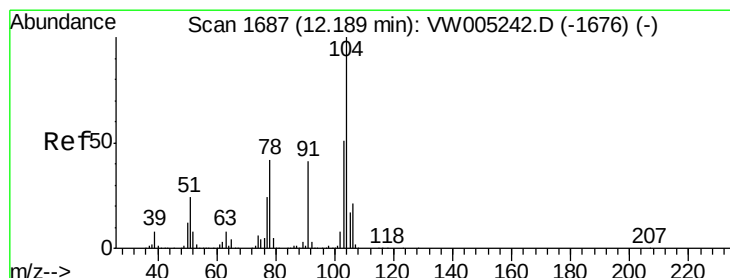
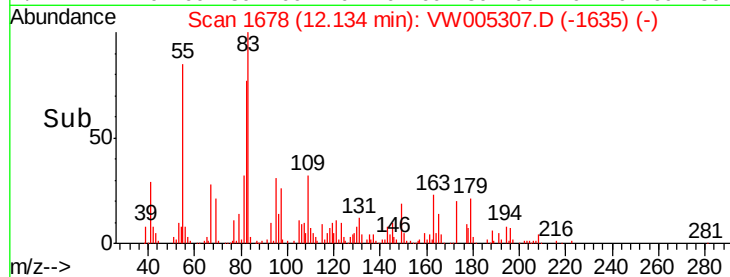
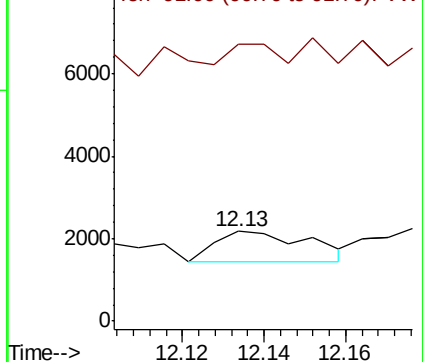
106 100

91 105.2 104.1 312.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#70

Styrene

Concen: 2.383 ug/l

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

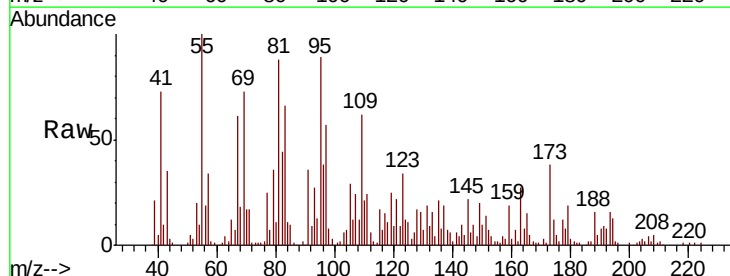
Tgt Ion:104 Resp: 1894

Ion Ratio Lower Upper

104 100

78 0.0 37.4 56.2#

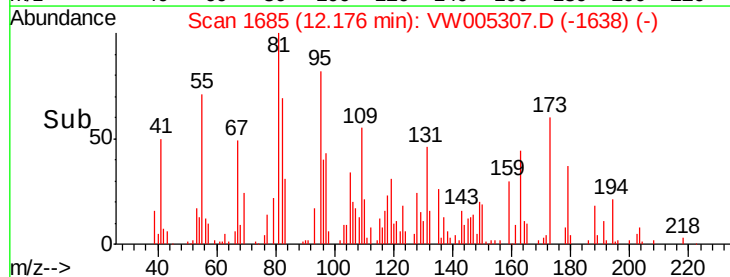
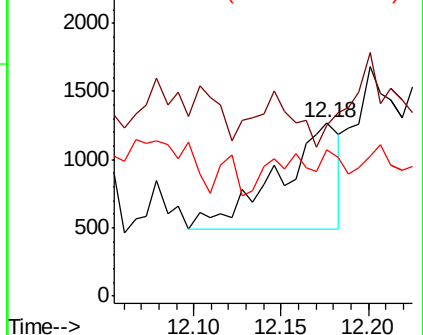
103 9.4 44.1 66.1#

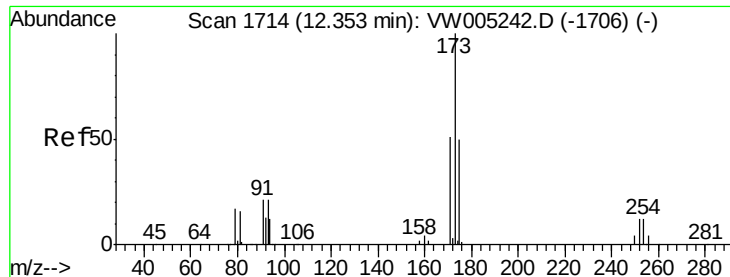


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 37.432 ug/l

RT: 12.37 min Scan# 1717

Delta R.T. 0.02 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-ARE

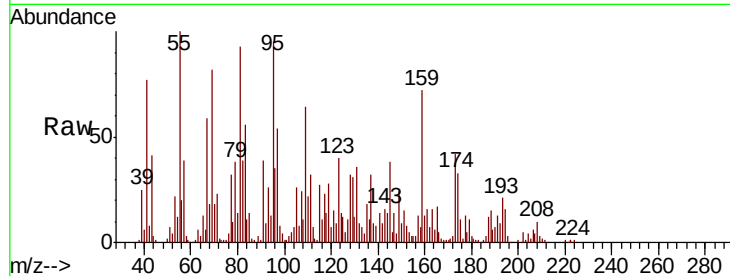
Tgt Ion:173 Resp: 4520

Ion Ratio Lower Upper

173 100

175 30.4 24.9 74.6

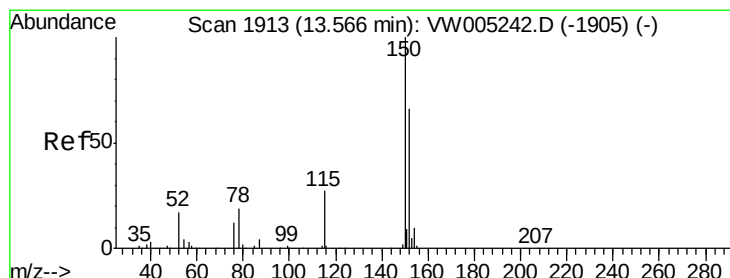
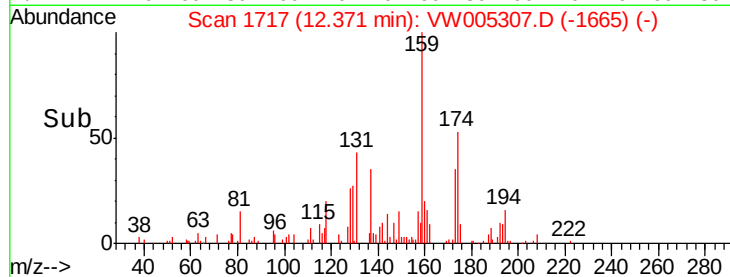
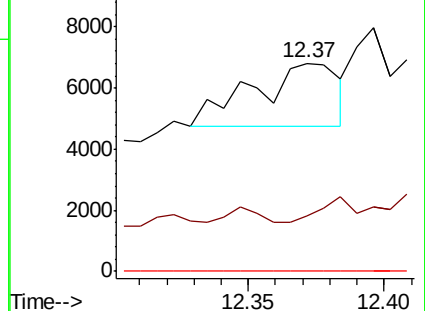
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

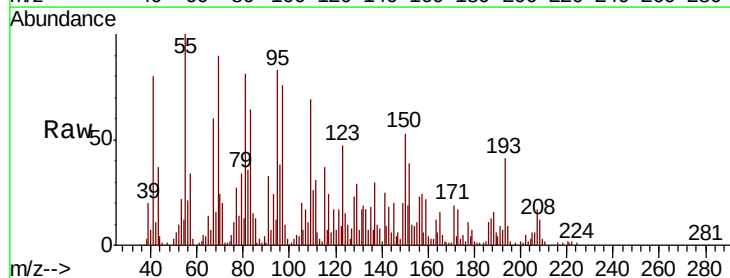
Tgt Ion:152 Resp: 6098

Ion Ratio Lower Upper

152 100

115 0.0 27.5 82.4#

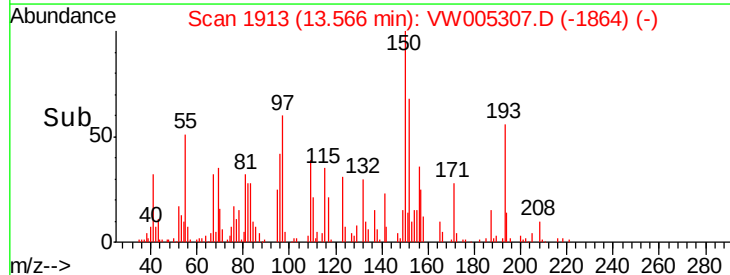
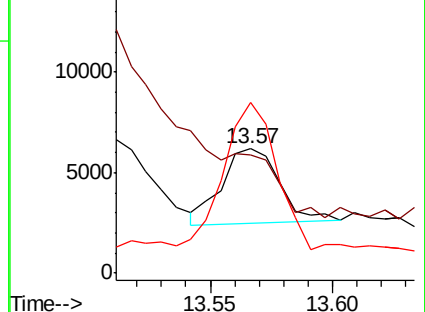
150 168.9 0.0 347.4

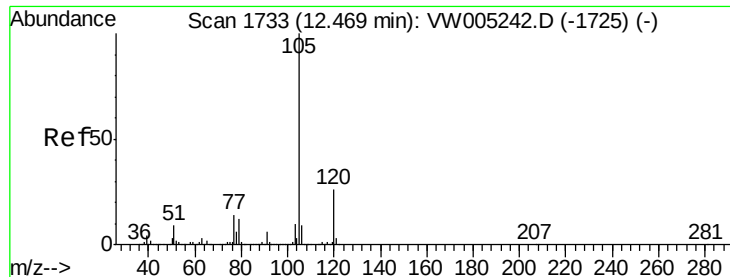


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 102.887 ug/l

RT: 12.49 min Scan# 1737

Delta R.T. 0.02 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

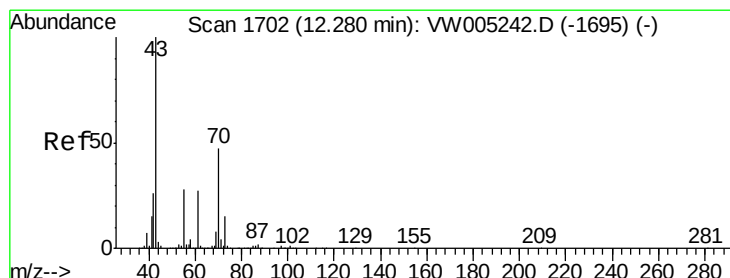
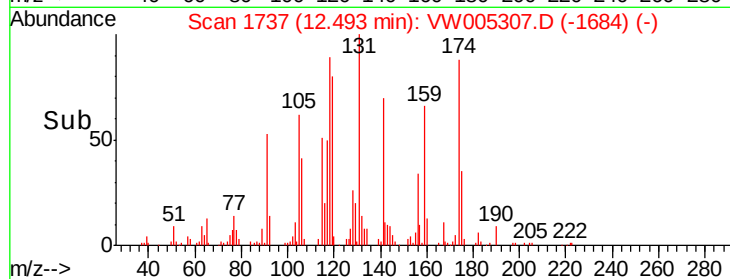
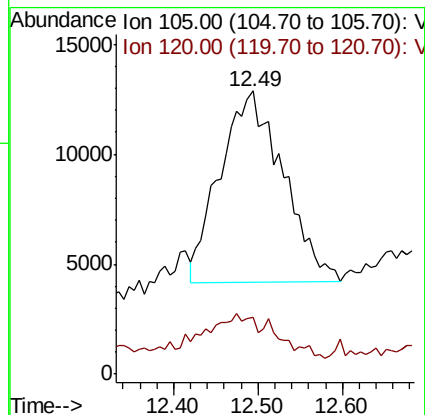
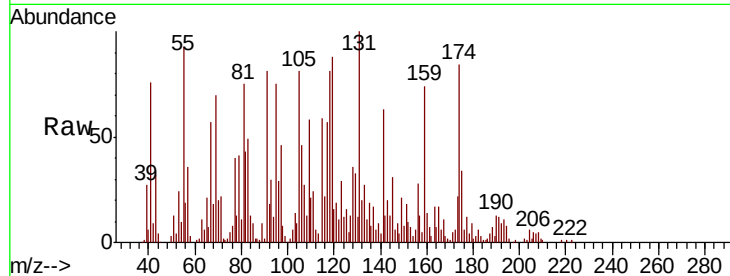
HR-05-090718-ARE

Tgt Ion: 105 Resp: 44329

Ion Ratio Lower Upper

105 100

120 12.5 13.4 40.1#



#74

N-ethyl acetate

Concen: 43.782 ug/l

RT: 12.32 min Scan# 1709

Delta R.T. 0.04 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Tgt Ion: 43 Resp: 3589

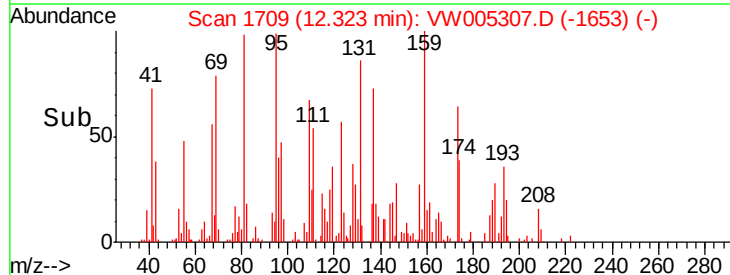
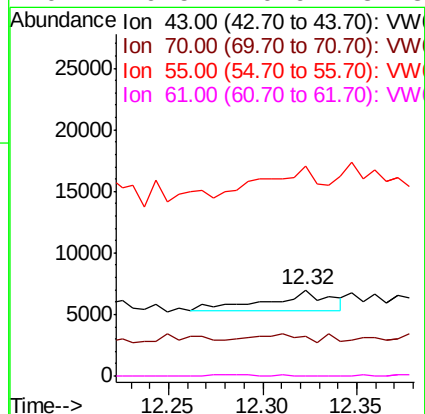
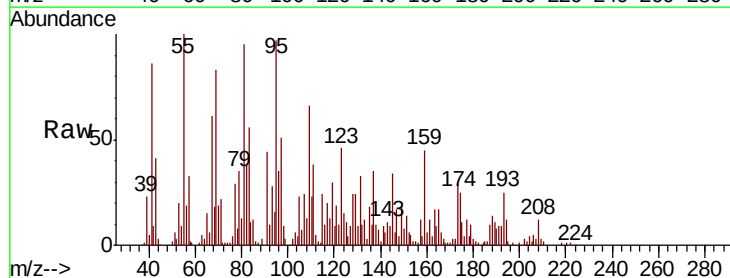
Ion Ratio Lower Upper

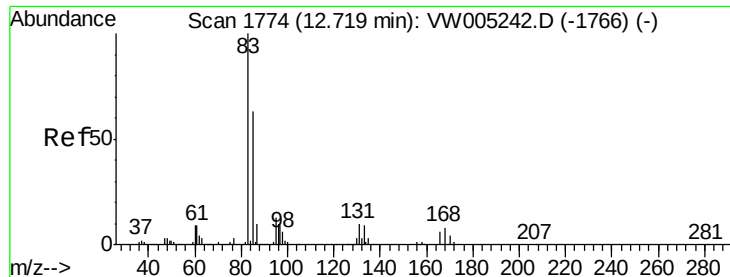
43 100

70 0.0 37.9 56.9#

55 137.0 22.6 33.8#

61 0.5 20.9 31.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 2304.636 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-ARE

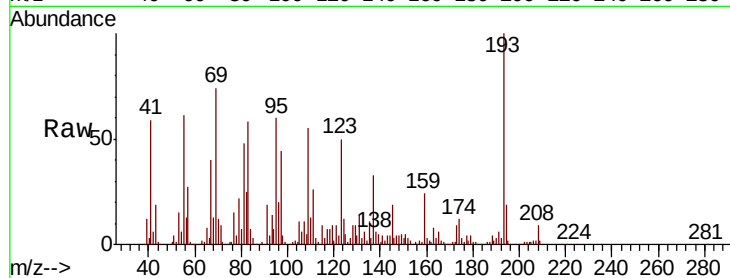
Tgt Ion: 83 Resp: 149229

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

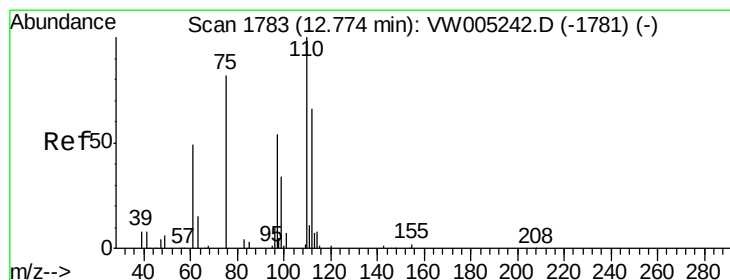
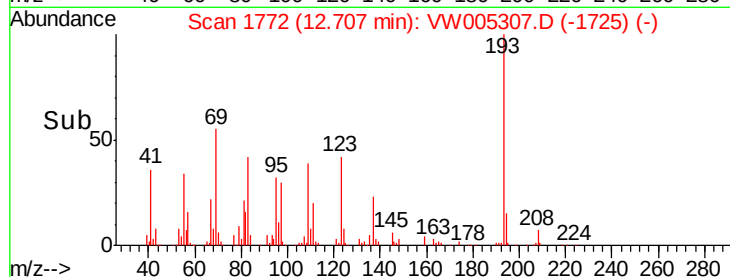
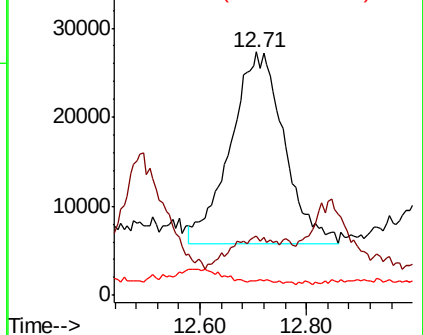
85 0.7 31.6 95.0#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 5.948 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.02 min

Lab File: VW005307.D

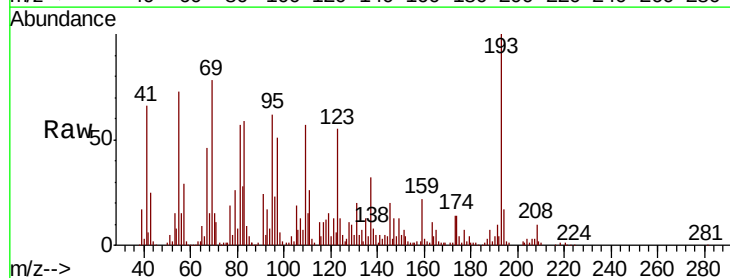
Acq: 12 Sep 2018 06:47

Tgt Ion: 75 Resp: 279

Ion Ratio Lower Upper

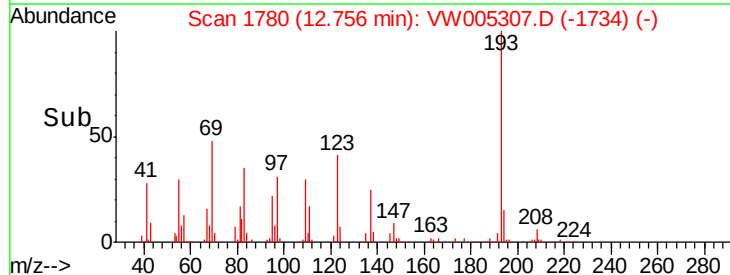
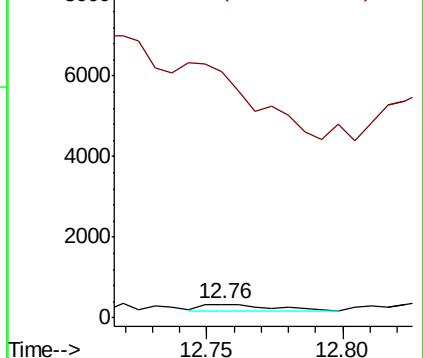
75 100

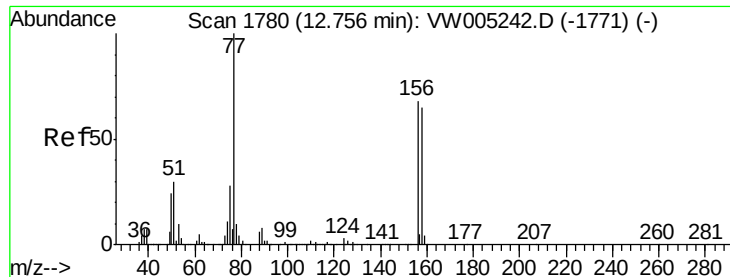
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 3340.194 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.16 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-ARE

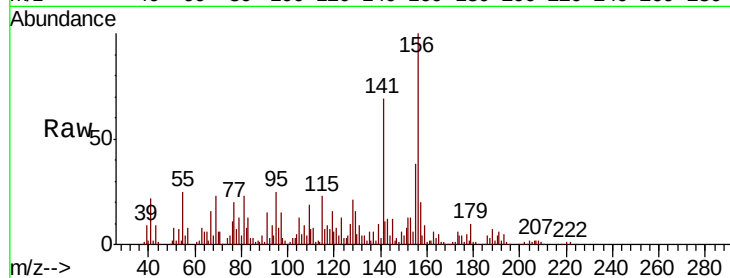
Tgt Ion:156 Resp: 339044

Ion Ratio Lower Upper

156 100

77 12.8 86.3 258.8#

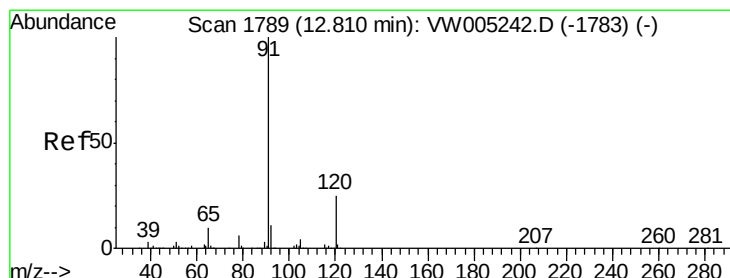
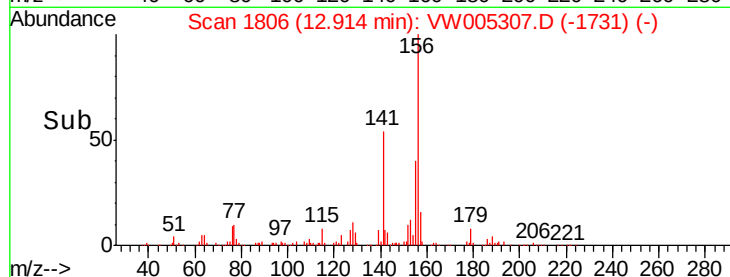
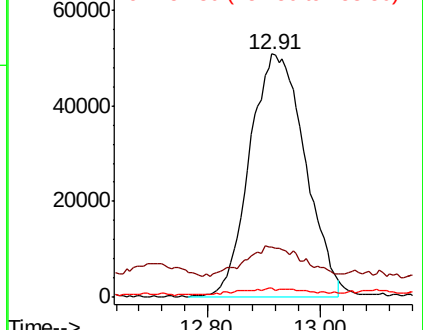
158 0.2 48.6 145.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.679 ug/l

RT: 13.00 min Scan# 1820

Delta R.T. 0.19 min

Lab File: VW005307.D

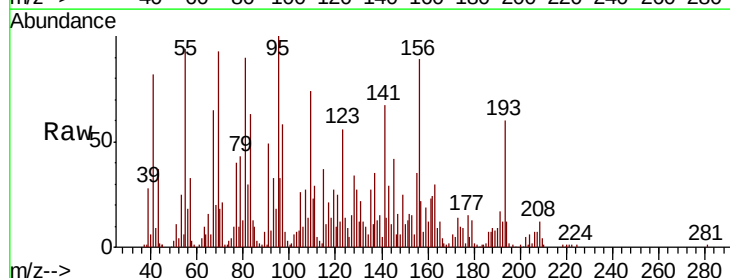
Acq: 12 Sep 2018 06:47

Tgt Ion: 91 Resp: 2421

Ion Ratio Lower Upper

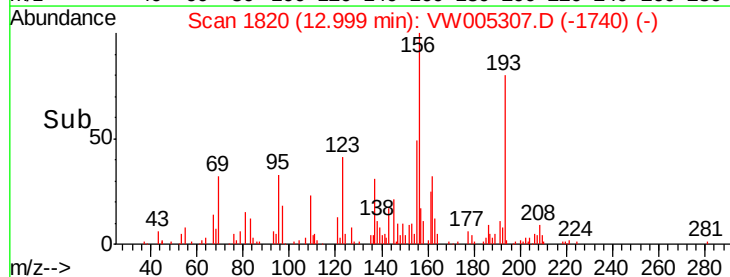
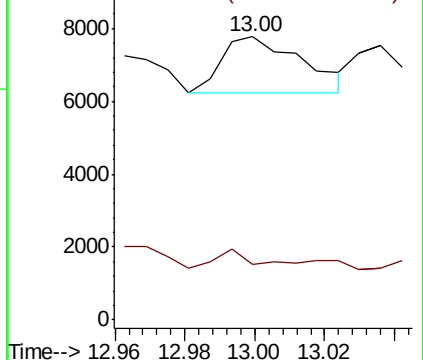
91 100

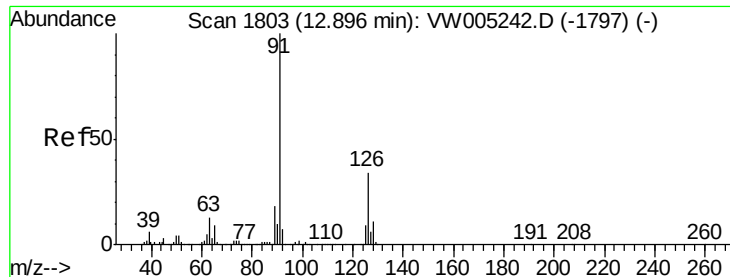
120 16.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.759 ug/l

RT: 12.83 min Scan# 1792

Delta R.T. -0.07 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

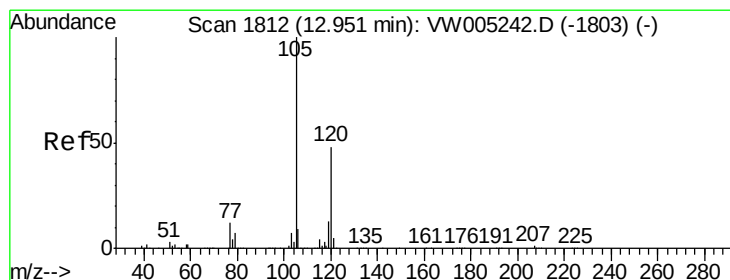
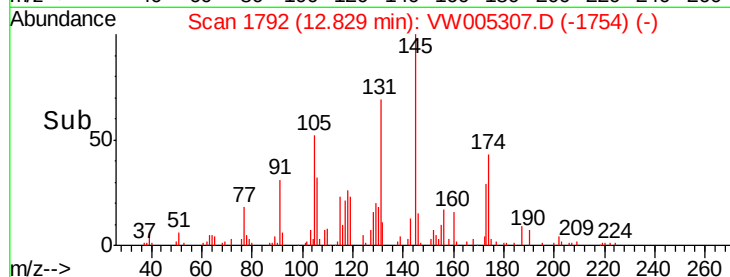
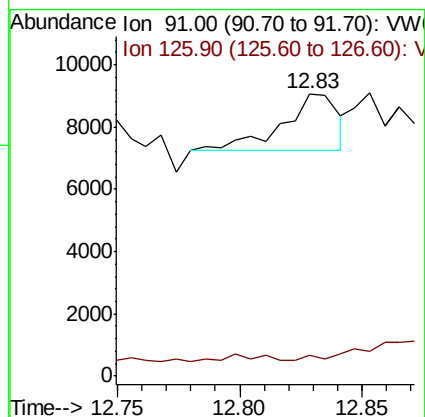
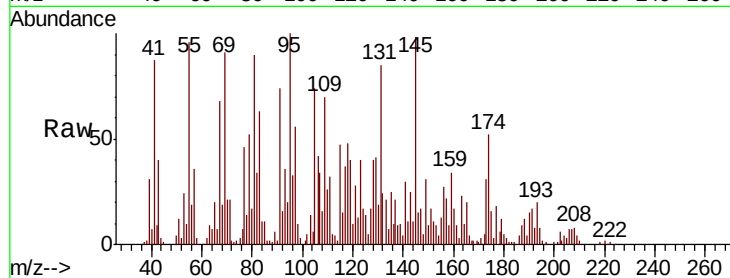
HR-05-090718-ARE

Tgt Ion: 91 Resp: 2896

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.5#



#80

1,3,5-Trimethylbenzene

Concen: 3.083 ug/l

RT: 13.14 min Scan# 1843

Delta R.T. 0.19 min

Lab File: VW005307.D

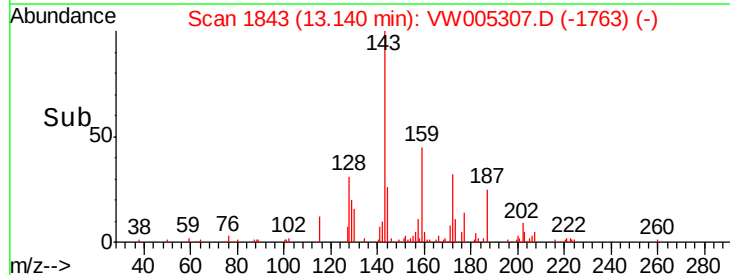
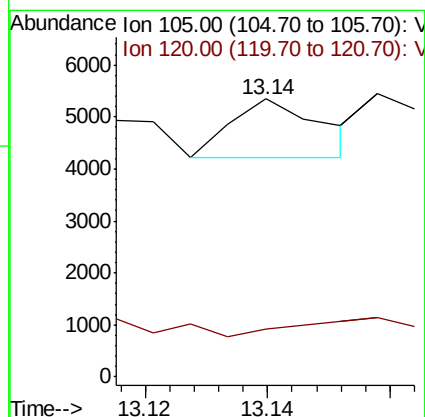
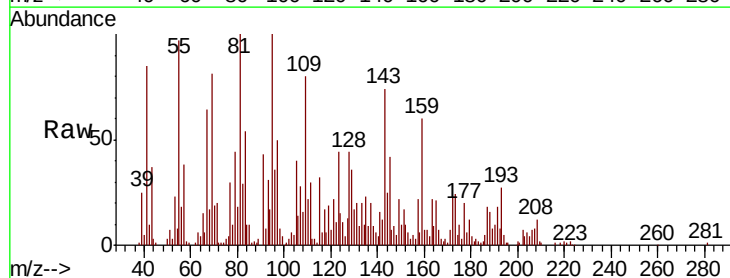
Acq: 12 Sep 2018 06:47

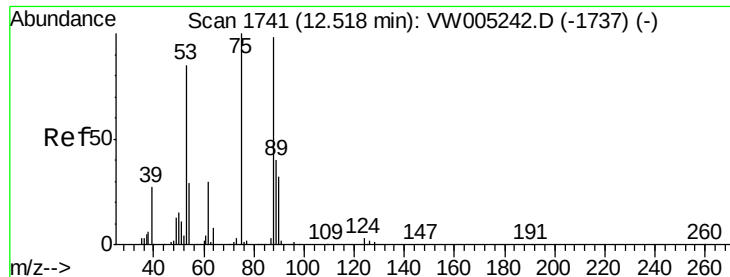
Tgt Ion: 105 Resp: 1131

Ion Ratio Lower Upper

105 100

120 43.1 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 14.551 ug/l

RT: 12.49 min Scan# 1737

Delta R.T. -0.02 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-ARE

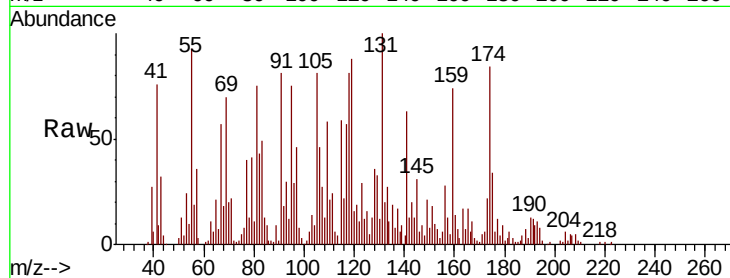
Tgt Ion: 75 Resp: 291

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.6#

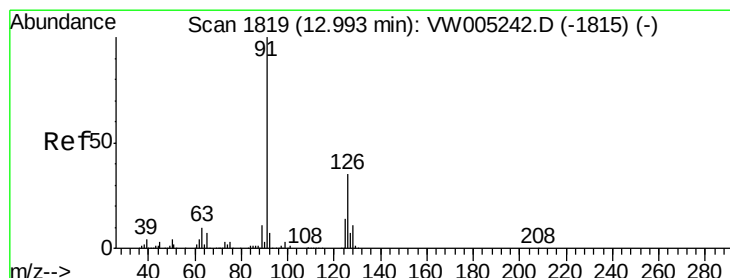
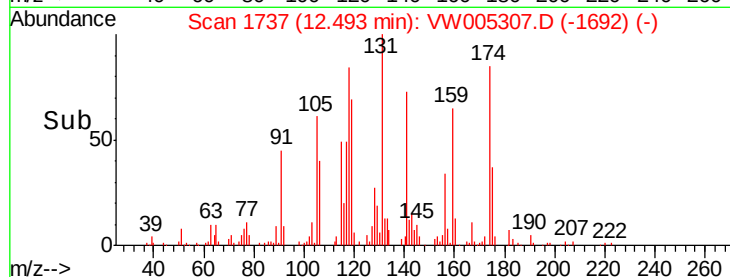
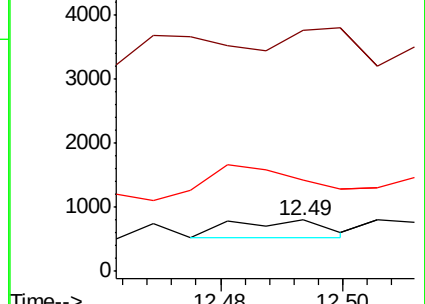
89 0.0 37.0 55.4#



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



#82

4-Chlorotoluene

Concen: 1.738 ug/l

RT: 13.04 min Scan# 1826

Delta R.T. 0.04 min

Lab File: VW005307.D

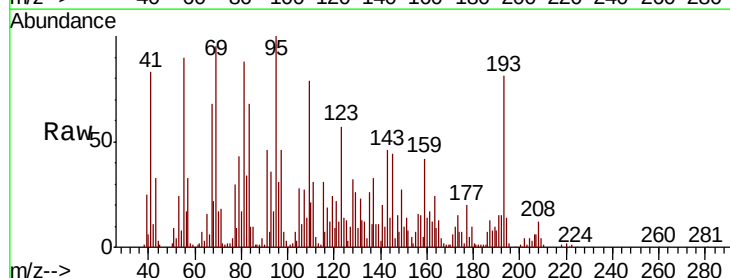
Acq: 12 Sep 2018 06:47

Tgt Ion: 91 Resp: 542

Ion Ratio Lower Upper

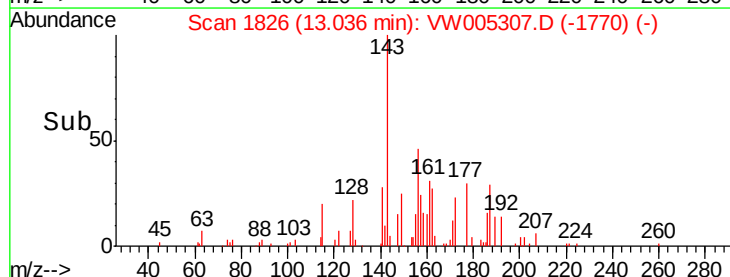
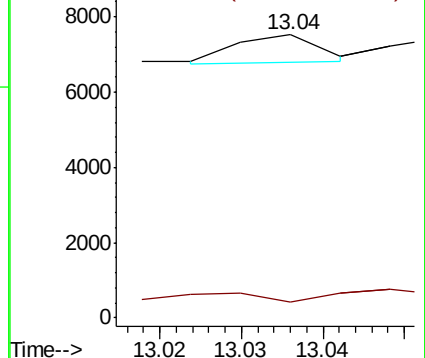
91 100

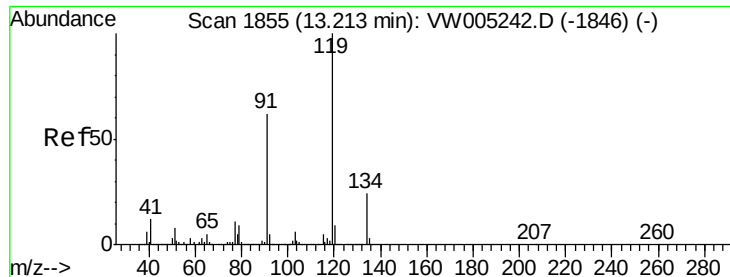
126 48.5 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 63.527 ug/l

RT: 13.22 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-ARE

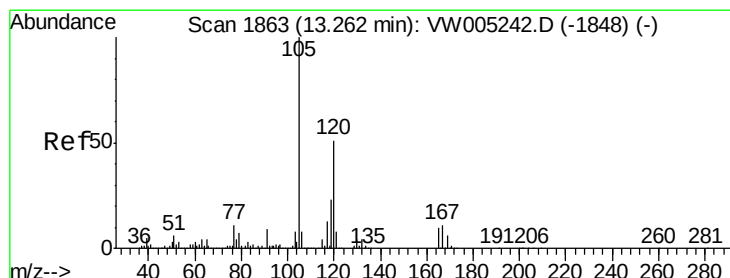
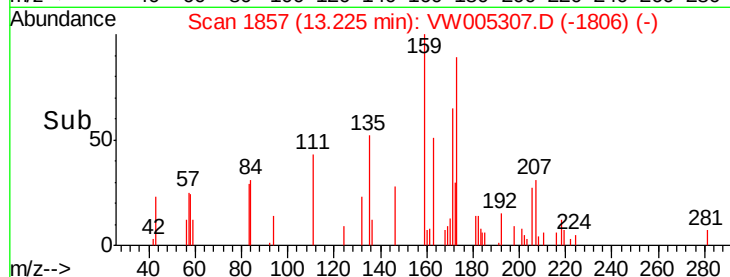
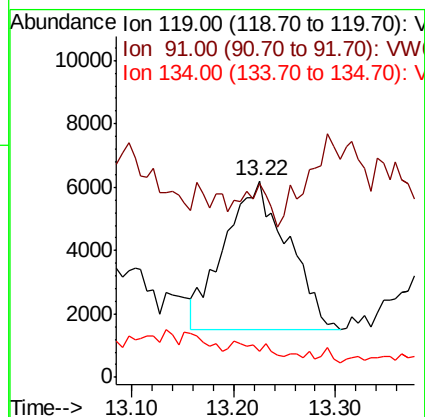
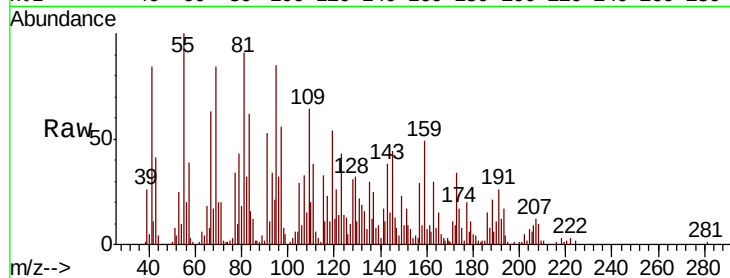
Tgt Ion:119 Resp: 20384

Ion Ratio Lower Upper

119 100

91 11.9 31.7 95.1#

134 0.0 13.0 38.9#



#84

1,2,4-Trimethylbenzene

Concen: 4.749 ug/l

RT: 13.37 min Scan# 1881

Delta R.T. 0.11 min

Lab File: VW005307.D

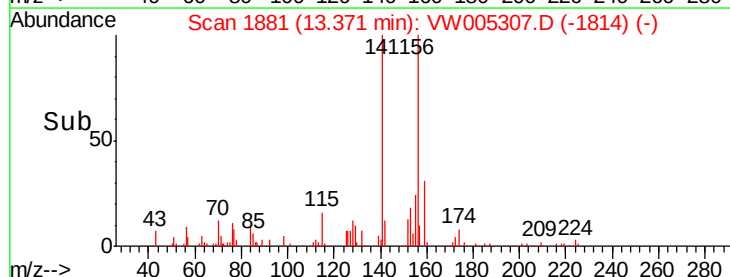
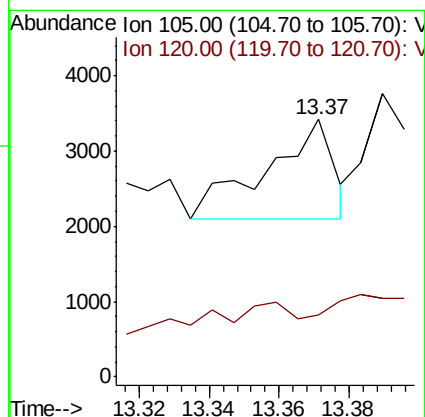
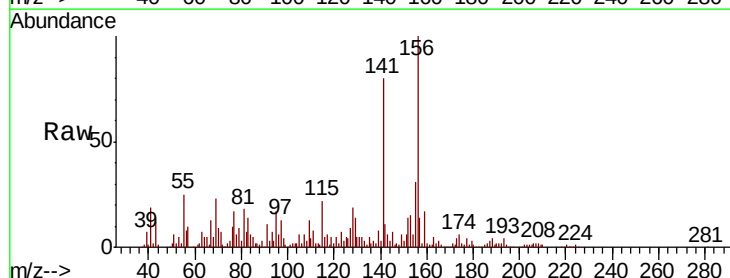
Acq: 12 Sep 2018 06:47

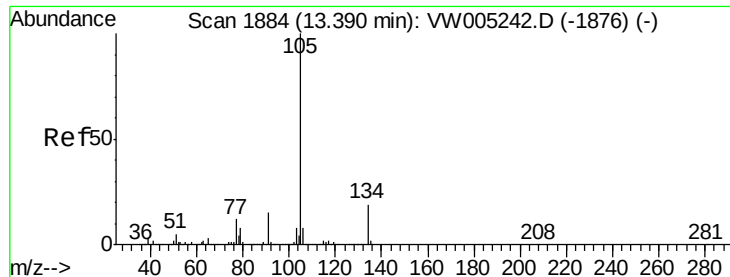
Tgt Ion:105 Resp: 1751

Ion Ratio Lower Upper

105 100

120 39.2 23.4 70.3





#85

sec-Butylbenzene

Concen: 3.797 ug/l

RT: 13.37 min Scan# 1881

Delta R.T. -0.02 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

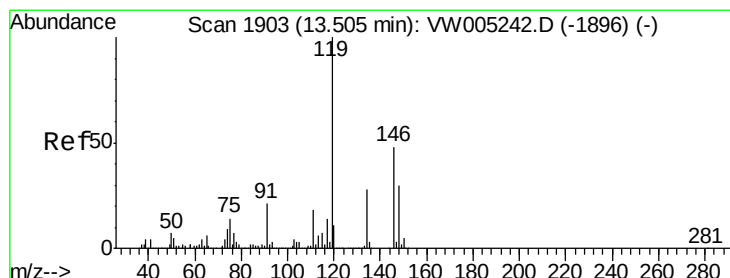
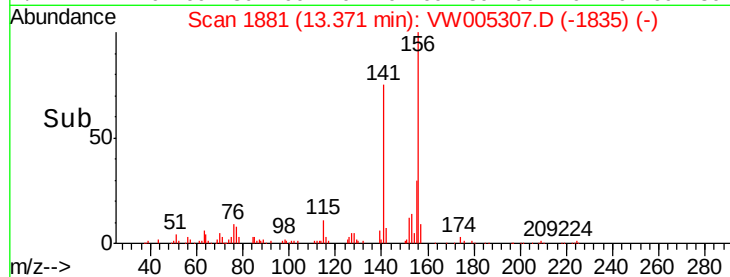
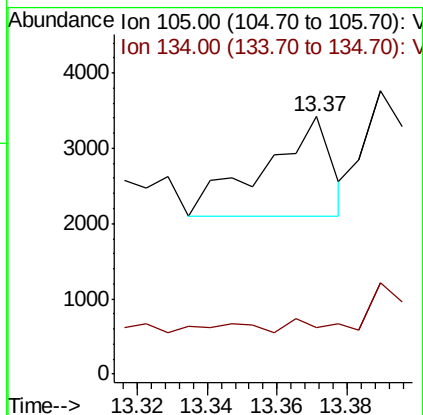
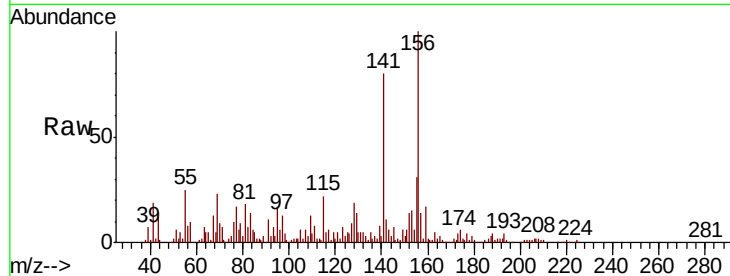
HR-05-090718-ARE

Tgt Ion:105 Resp: 1751

Ion Ratio Lower Upper

105 100

134 0.0 9.9 29.7#



#86

p-Isopropyltoluene

Concen: 2.756 ug/l

RT: 13.52 min Scan# 1905

Delta R.T. 0.01 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

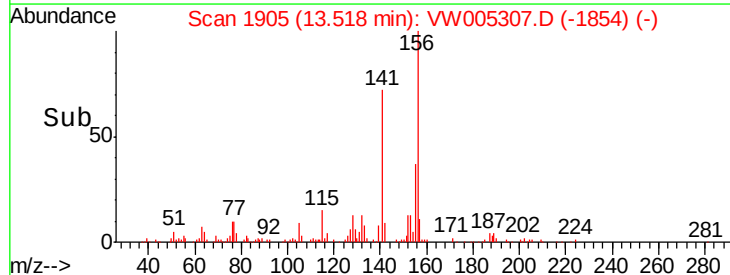
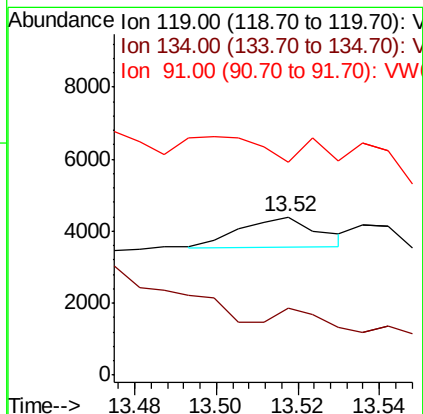
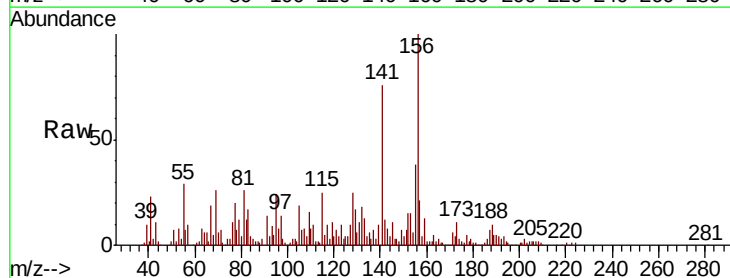
Tgt Ion:119 Resp: 1125

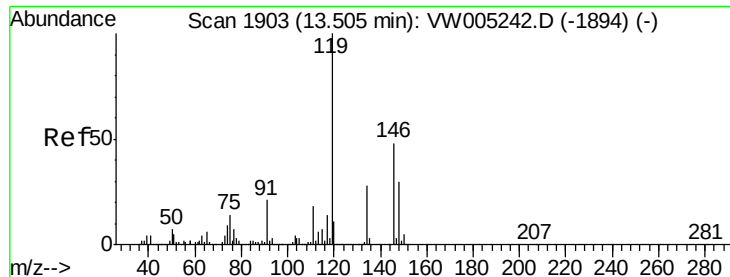
Ion Ratio Lower Upper

119 100

134 0.0 13.2 39.5#

91 88.5 10.7 32.1#





#87

1,3-Dichlorobenzene

Concen: 7.821 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-ARE

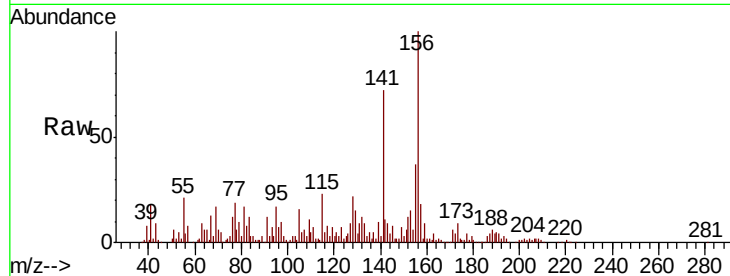
Tgt Ion:146 Resp: 1667

Ion Ratio Lower Upper

146 100

111 0.0 18.8 56.3#

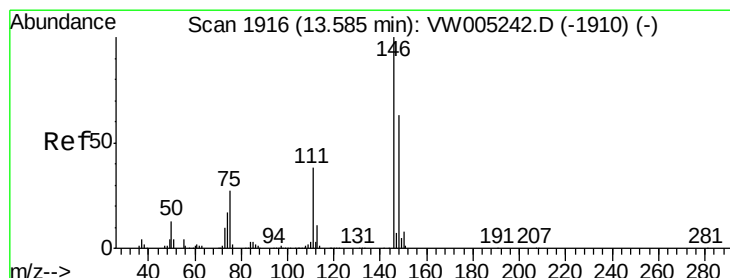
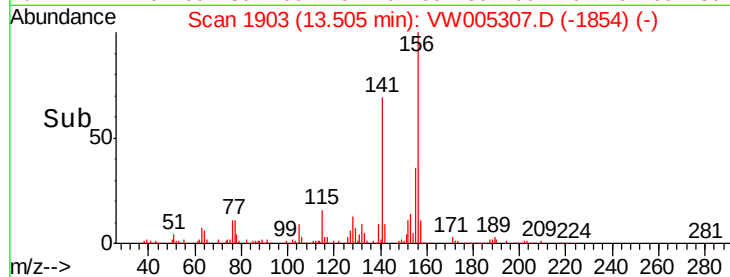
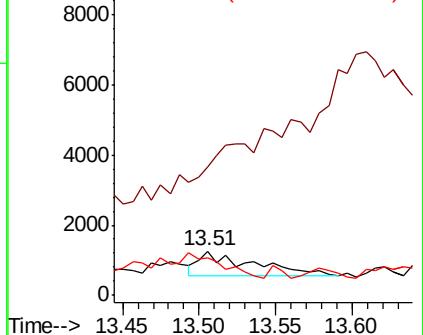
148 0.0 31.6 94.8#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.548 ug/l

RT: 13.62 min Scan# 1922

Delta R.T. 0.04 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

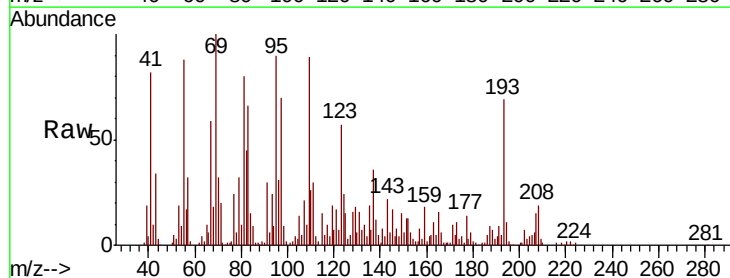
Tgt Ion:146 Resp: 324

Ion Ratio Lower Upper

146 100

111 8577.5 19.1 57.3#

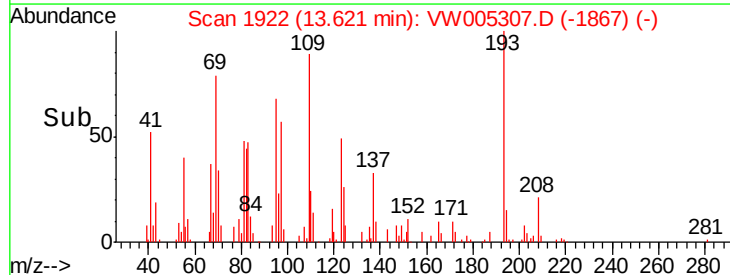
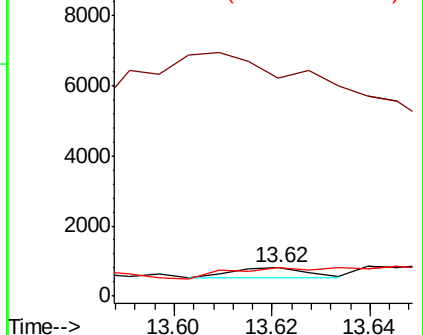
148 156.5 32.3 96.9#

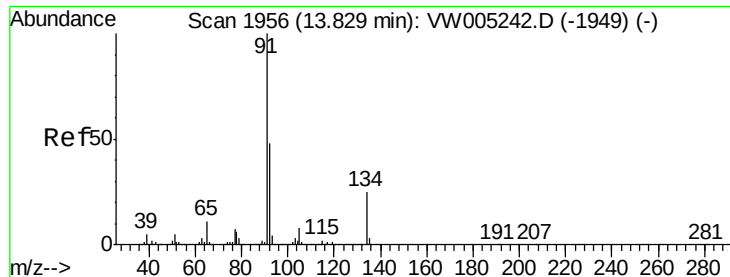


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 30.788 ug/l

RT: 13.80 min Scan# 1951

Delta R.T. -0.03 min

Lab File: VW005307.D

Acq: 12 Sep 2018 06:47

Instrument :

MSVOA_W

ClientSampleId :

HR-05-090718-ARE

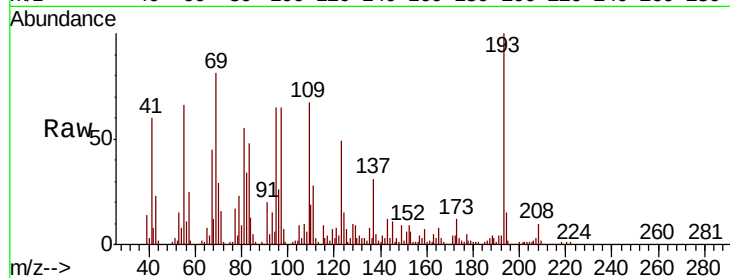
Tgt Ion: 91 Resp: 11815

Ion Ratio Lower Upper

91 100

92 0.0 25.8 77.3#

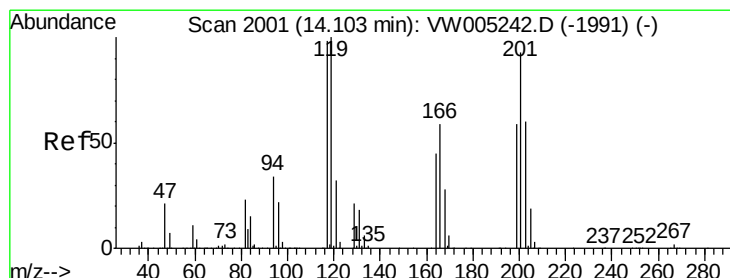
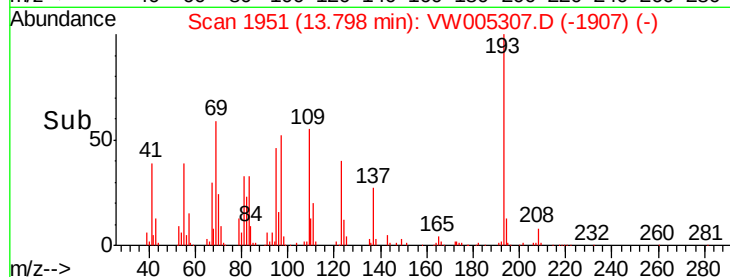
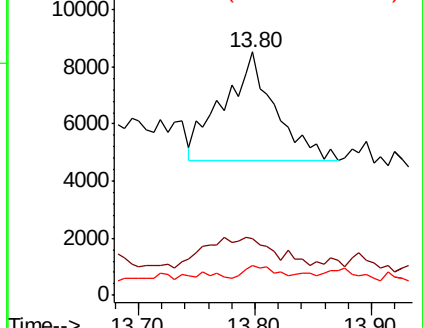
134 8.4 13.6 40.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 8.425 ug/l

RT: 14.08 min Scan# 1997

Delta R.T. -0.02 min

Lab File: VW005307.D

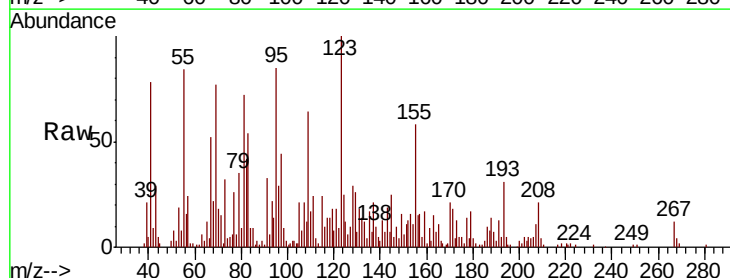
Acq: 12 Sep 2018 06:47

Tgt Ion: 117 Resp: 551

Ion Ratio Lower Upper

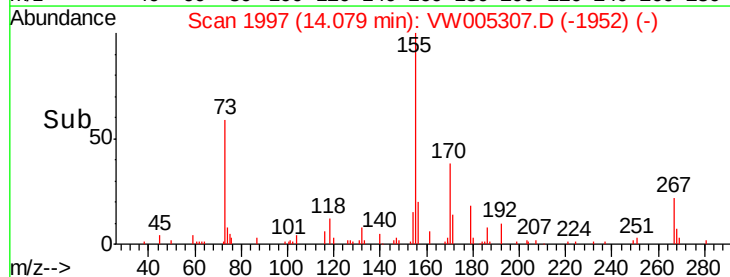
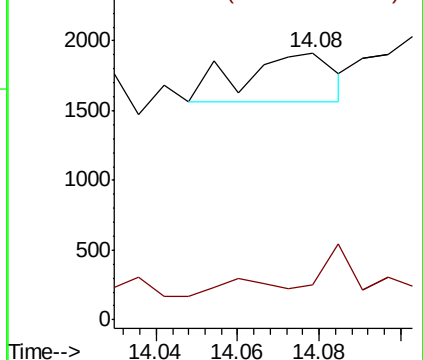
117 100

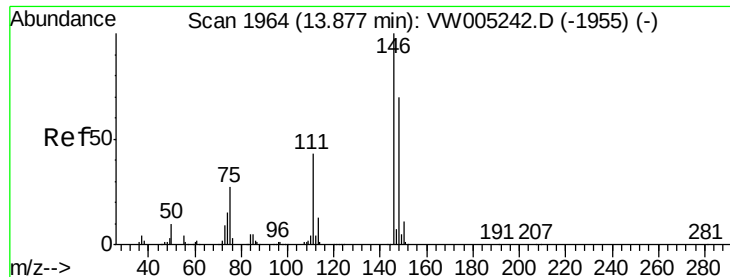
201 76.4 44.0 132.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

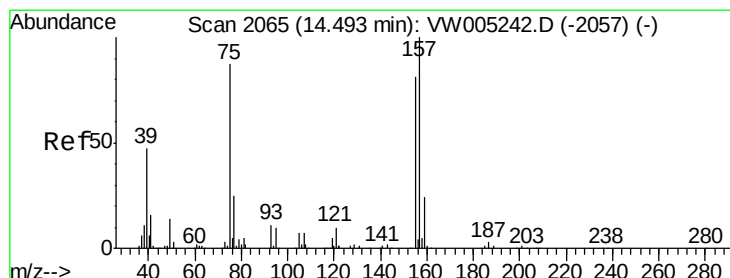
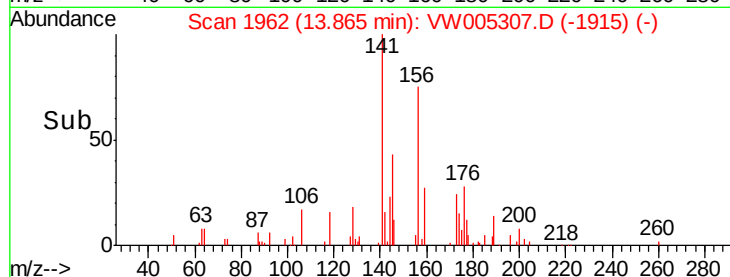
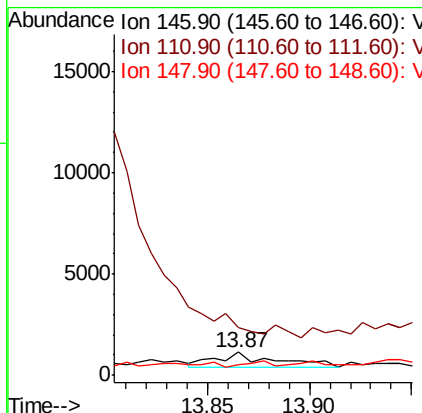
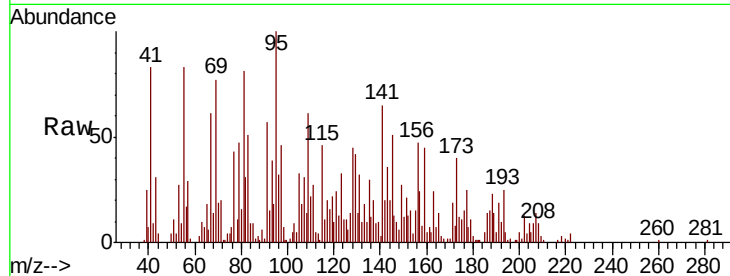




#91
 1,2-Dichlorobenzene
 Concen: 8.274 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

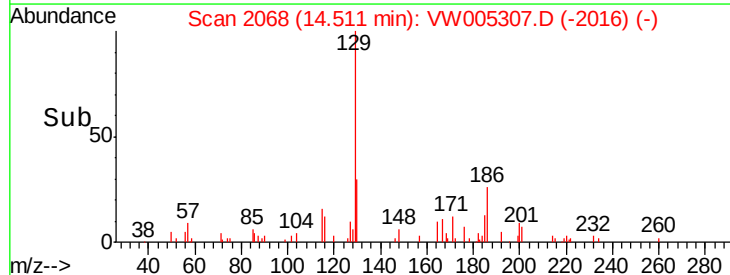
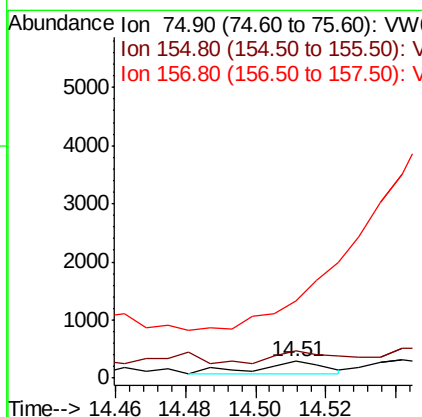
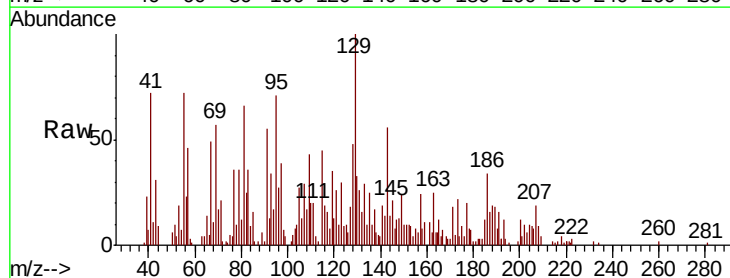
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-090718-ARE

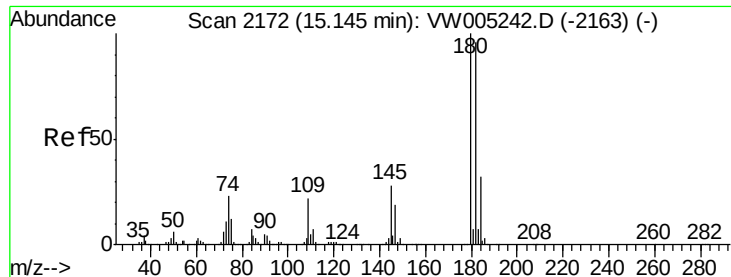
Tgt Ion: 146 Resp: 1550
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.5 61.5#
 148 19.7 32.7 98.1#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 27.025 ug/l
 RT: 14.51 min Scan# 2068
 Delta R.T. 0.02 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

Tgt Ion: 75 Resp: 291
 Ion Ratio Lower Upper
 75 100
 155 101.0 47.4 142.2
 157 0.0 59.4 178.2#

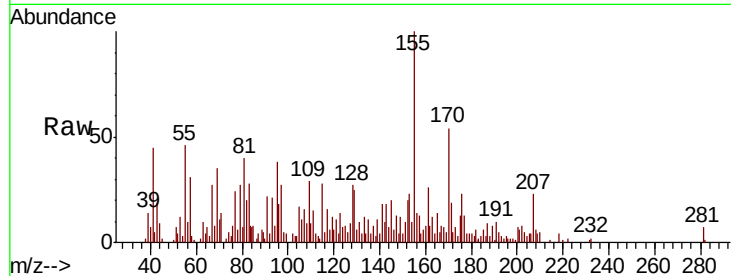




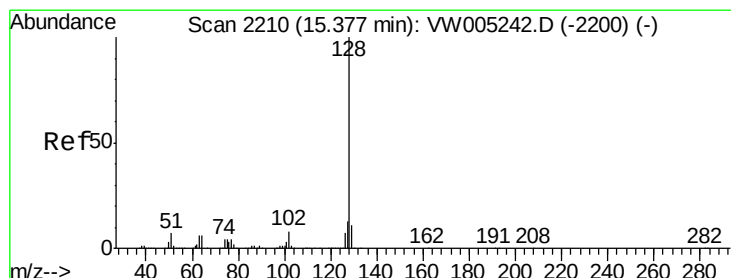
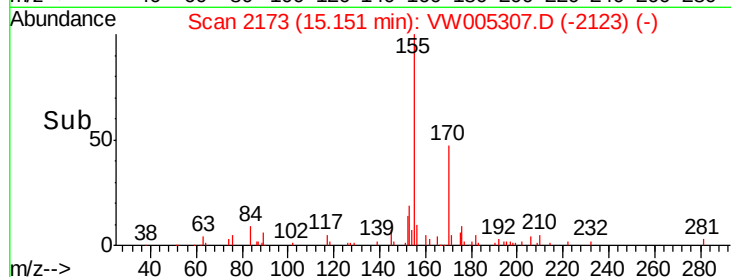
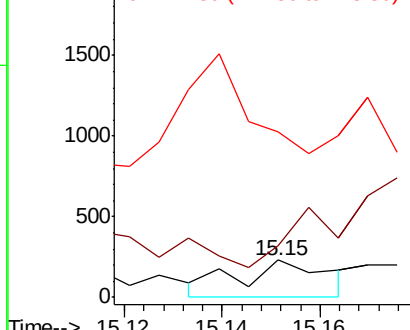
#93
 1,2,4-Trichlorobenzene
 Concen: 2.211 ug/l
 RT: 15.15 min Scan# 2173
 Delta R.T. 0.01 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-090718-ARE

Tgt Ion:180 Resp: 293
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.1 144.4#
 145 301.7 14.5 43.6#

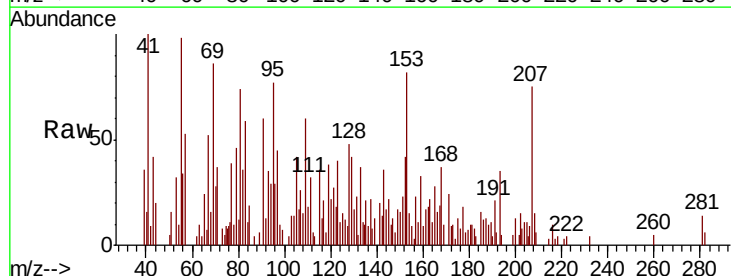


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

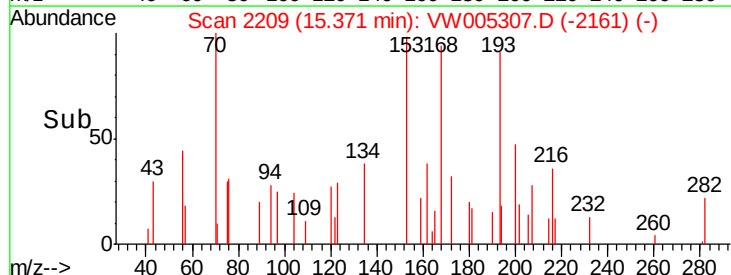
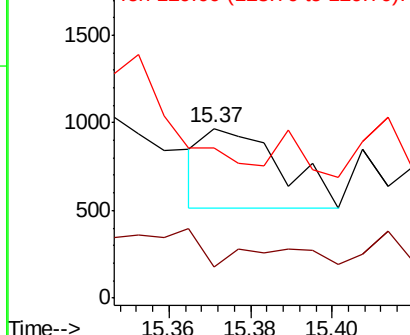


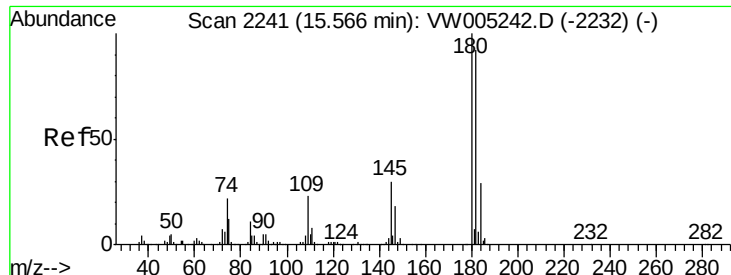
#95
 Naphthalene
 Concen: 2.727 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

Tgt Ion:128 Resp: 586
 Ion Ratio Lower Upper
 128 100
 127 34.8 10.3 15.5#
 129 0.0 8.8 13.2#



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





#96
 1,2,3-Trichlorobenzene
 Concen: 2.306 ug/l
 RT: 15.59 min Scan# 2245
 Delta R.T. 0.02 min
 Lab File: VW005307.D
 Acq: 12 Sep 2018 06:47

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-090718-ARE

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.2	141.6#
145	0.0	15.2	45.6#

