

Data File : VW004854.D
Acq On : 21 Aug 2018 20:45
Operator : SY/AP
Sample : J4571-09
Misc : 6.29G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-A

Quant Time: Aug 22 05:21:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	310560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	113491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	90224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	103364	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	7.89	113	100366	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.33	98	90417	11.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.34%	
62) 4-Bromofluorobenzene	12.62	95	57923	20.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.56%	

Target Compounds

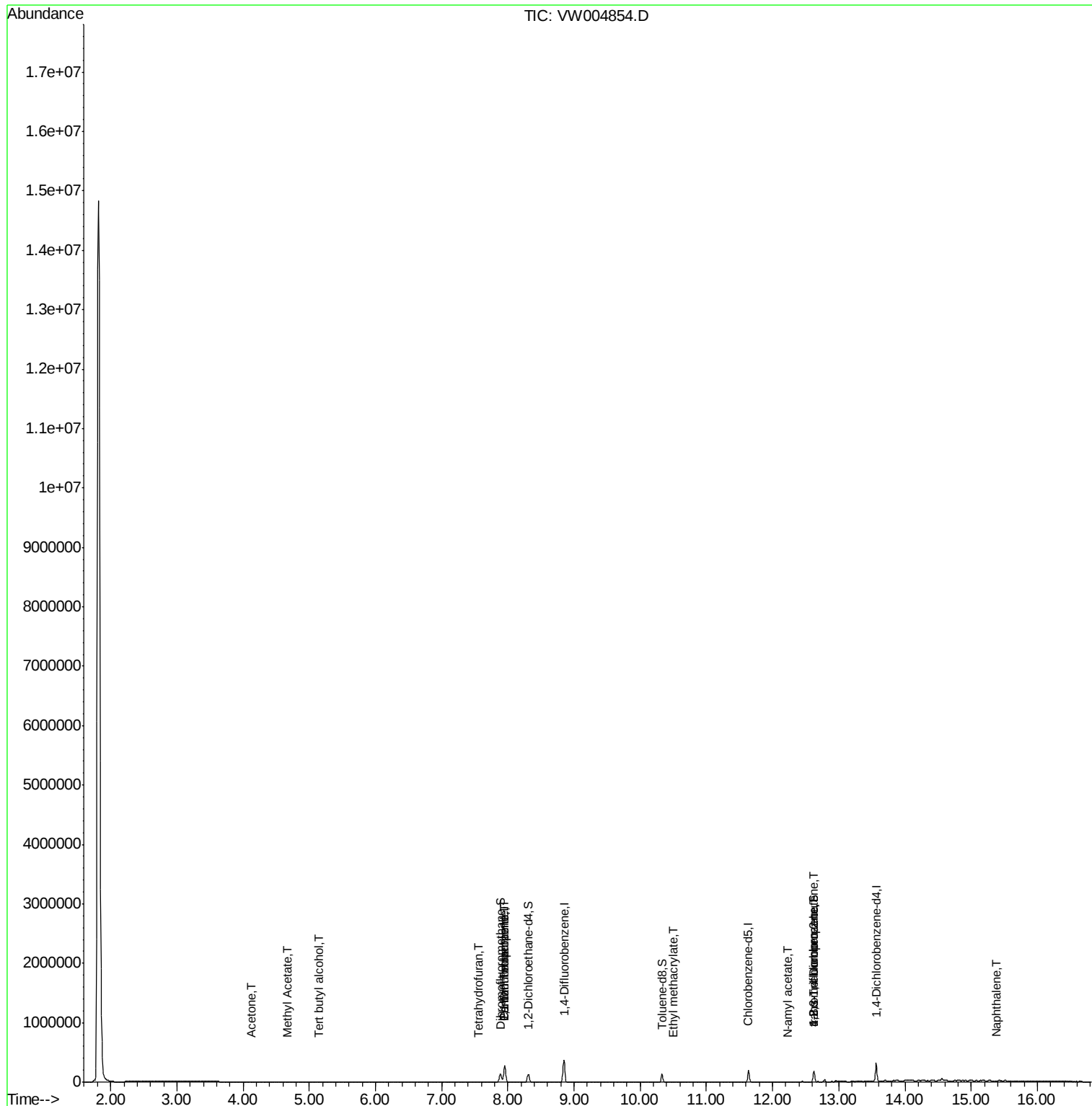
						Qvalue
11) Tert butyl alcohol	5.15	59	162	1.373	ug/l #	72
16) Acetone	4.12	43	1483	2.751	ug/l	88
18) Methyl Acetate	4.67	43	1213	1.050	ug/l #	63
20) Methylene Chloride	4.90	84	1185	Below Cal	#	78
29) Tetrahydrofuran	7.56	42	710	1.813	ug/l #	50
36) 1,1-Dichloropropene	7.95	75	16431	5.136	ug/l #	48
38) Carbon Tetrachloride	7.95	117	19759	6.709	ug/l #	17
56) Ethyl methacrylate	10.49	69	57	3.006	ug/l #	1
74) N-amyl acetate	12.23	43	295	4.208	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	28140	35.381	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28140	82.235	ug/l #	14
95) Naphthalene	15.38	128	349	3.595	ug/l #	1

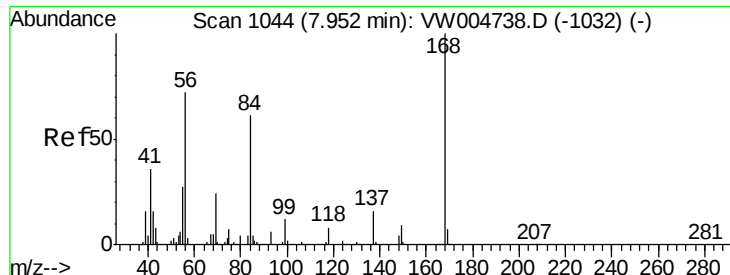
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004854.D

Acq: 21 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

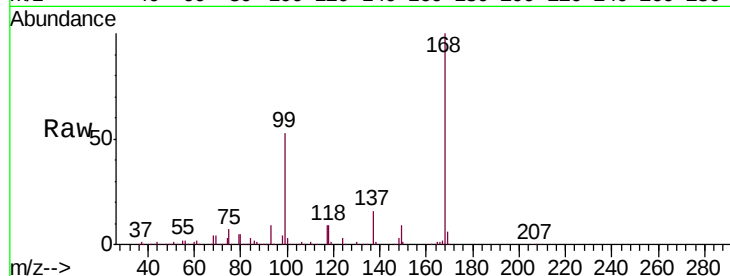
HR-06-082018-A

Tgt Ion:168 Resp: 218404

Ion Ratio Lower Upper

168 100

99 52.9 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

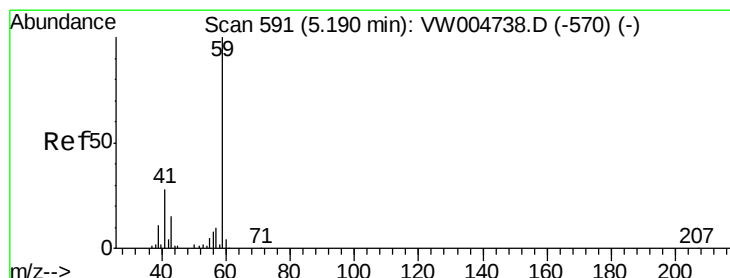
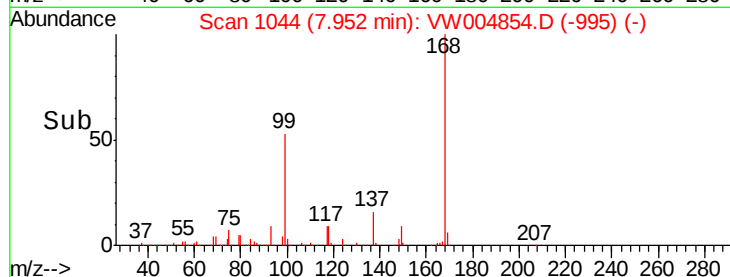
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.373 ug/l

RT: 5.15 min Scan# 584

Delta R.T. -0.04 min

Lab File: VW004854.D

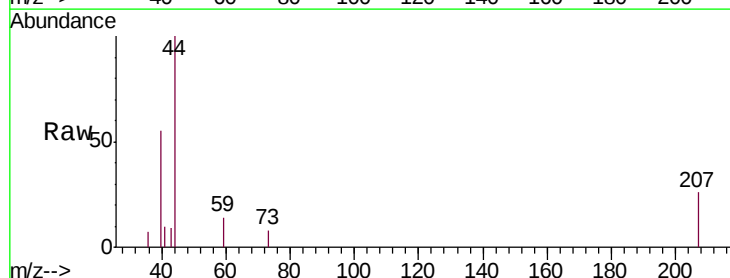
Acq: 21 Aug 2018 20:45

Tgt Ion: 59 Resp: 162

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

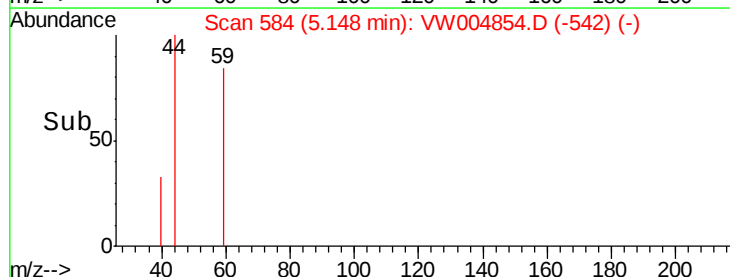
150

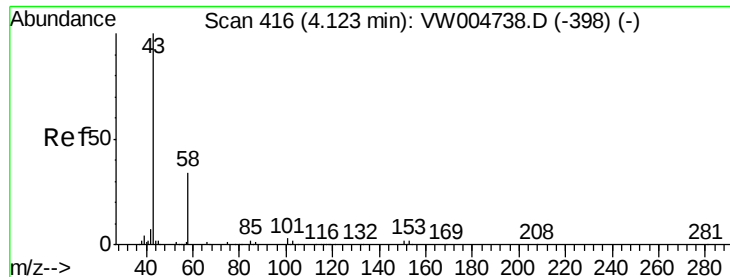
100

50

0

Time-->

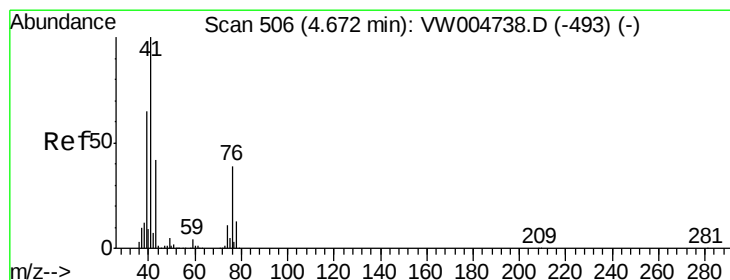
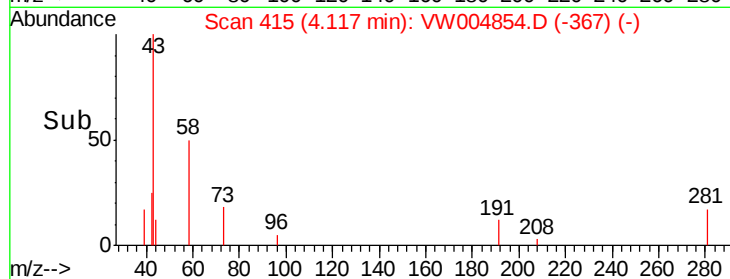
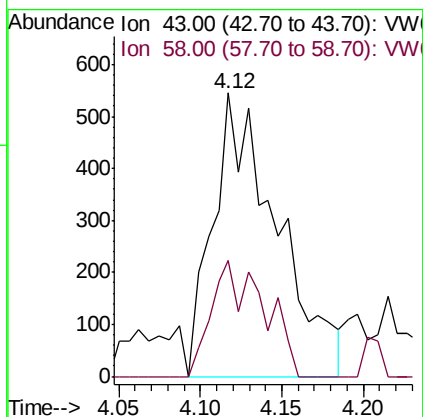
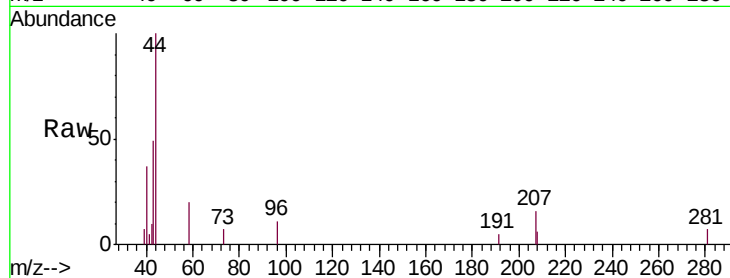




#16
Acetone
Concen: 2.751 ug/l
RT: 4.12 min Scan# 415
Delta R.T. -0.01 min
Lab File: VW004854.D
Acq: 21 Aug 2018 20:45

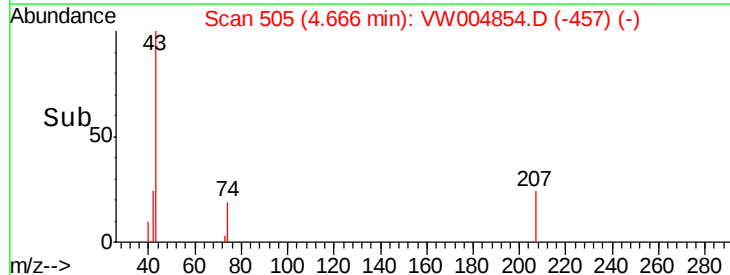
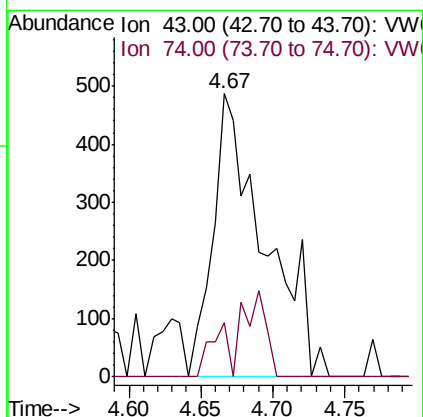
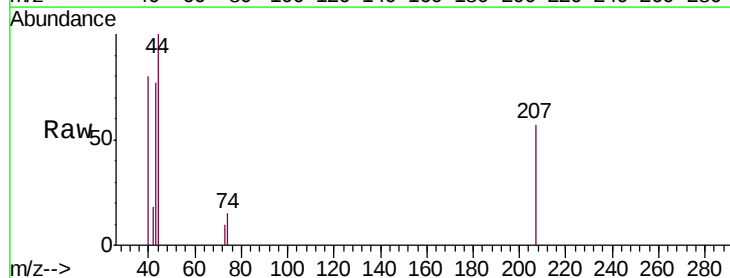
Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-A

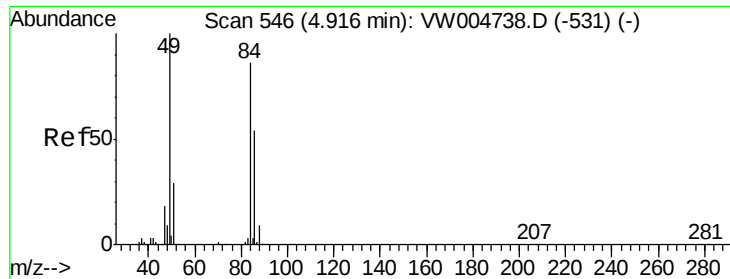
Tgt Ion: 43 Resp: 1483
Ion Ratio Lower Upper
43 100
58 40.7 27.3 40.9



#18
Methyl Acetate
Concen: 1.050 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW004854.D
Acq: 21 Aug 2018 20:45

Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
74 6.4 19.8 29.8#

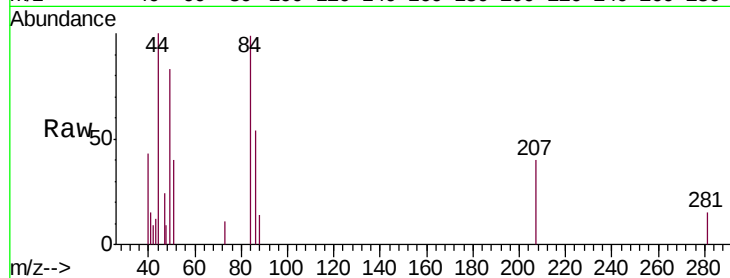




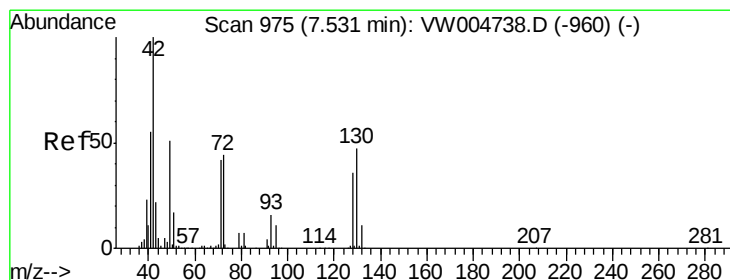
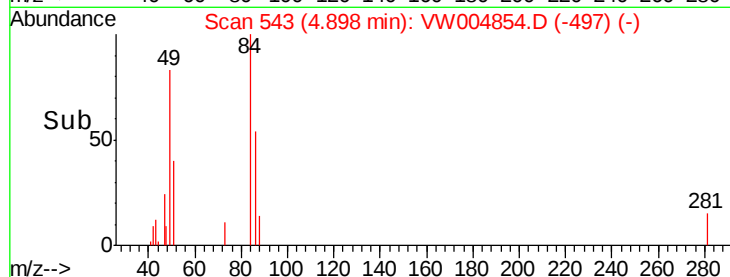
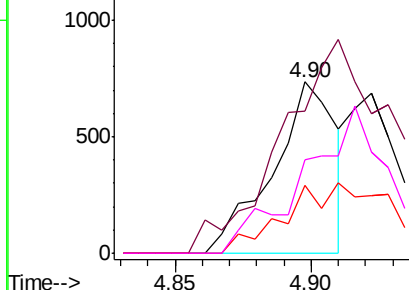
#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 543
Delta R.T. -0.02 min
Lab File: VW004854.D
Acq: 21 Aug 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-A

Tgt Ion:	84	Resp:	1185
Ion	Ratio	Lower	Upper
84	100		
49	83.0	93.2	139.8#
51	40.0	27.4	41.0
86	54.4	50.6	75.8

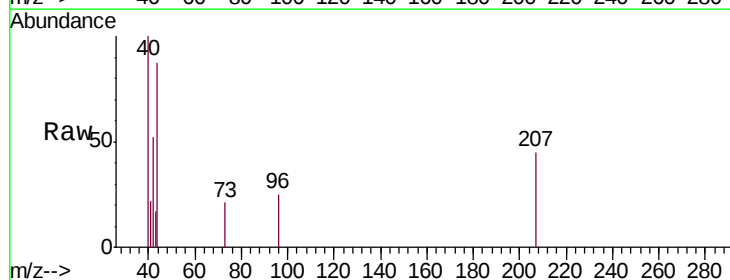


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

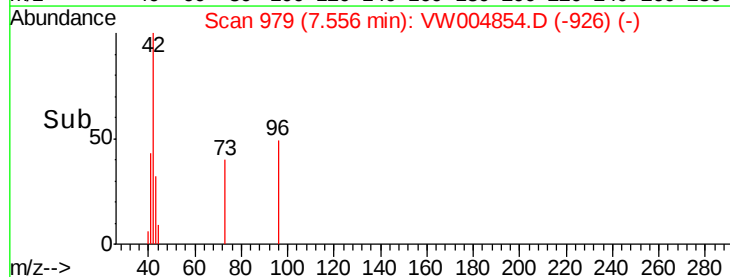
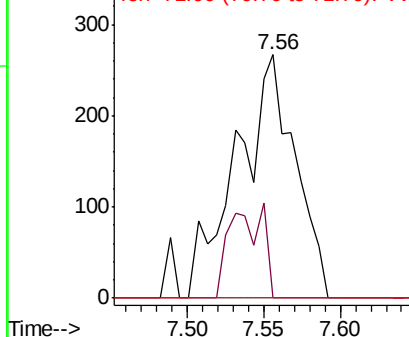


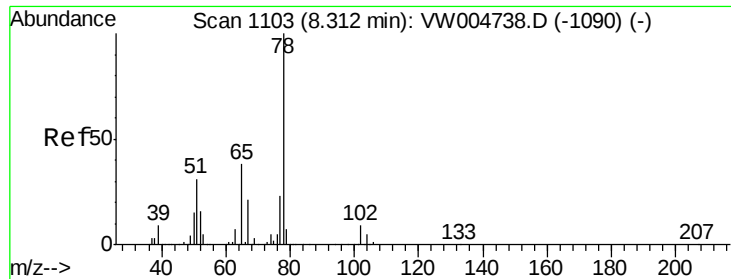
#29
Tetrahydrofuran
Concen: 1.813 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW004854.D
Acq: 21 Aug 2018 20:45

Tgt Ion:	42	Resp:	710
Ion	Ratio	Lower	Upper
42	100		
72	21.4	34.9	52.3#
71	0.0	33.8	50.6#



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

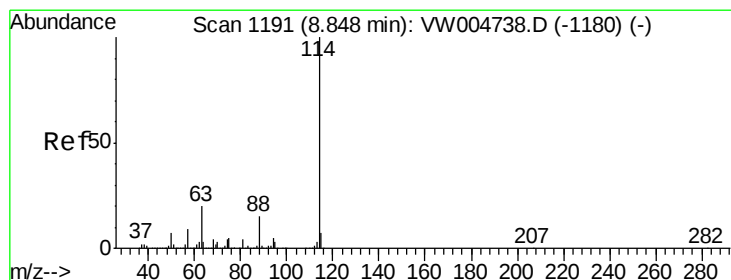
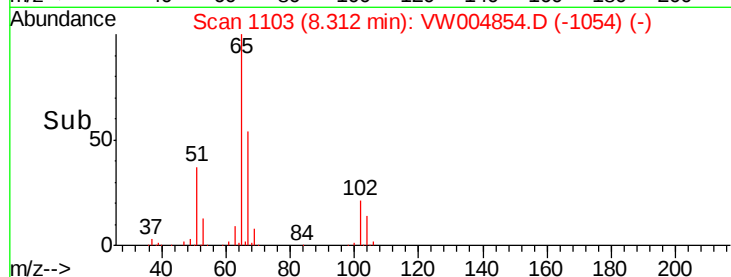
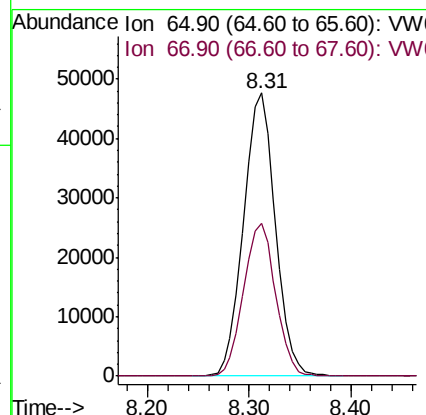
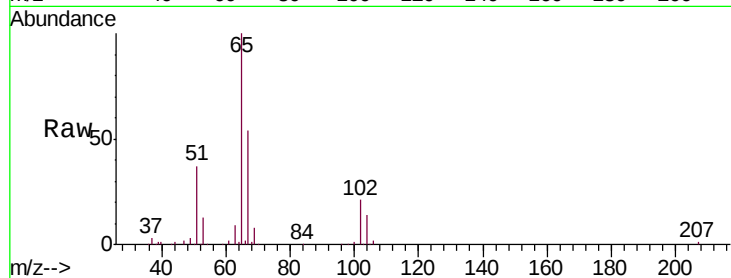




#33
 1,2-Dichloroethane-d4
 Concen: 48.952 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004854.D
 Acq: 21 Aug 2018 20:45

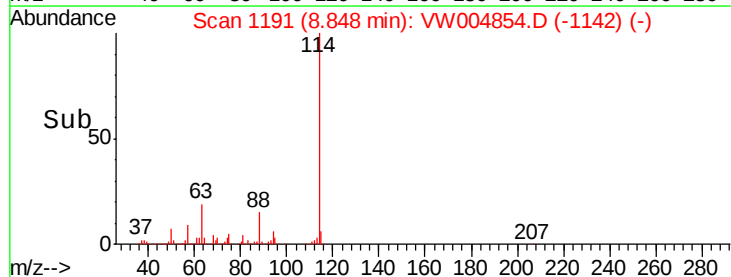
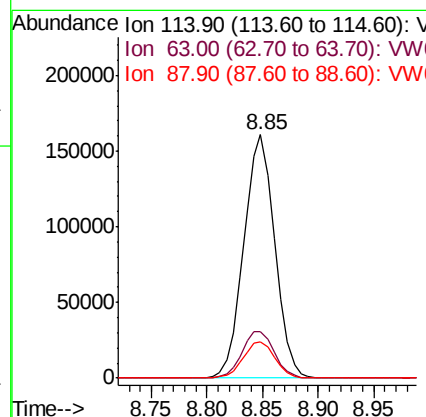
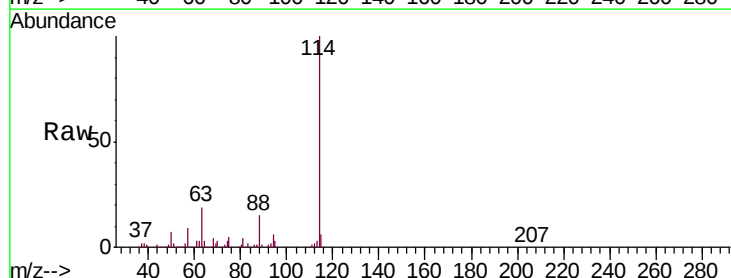
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-082018-A

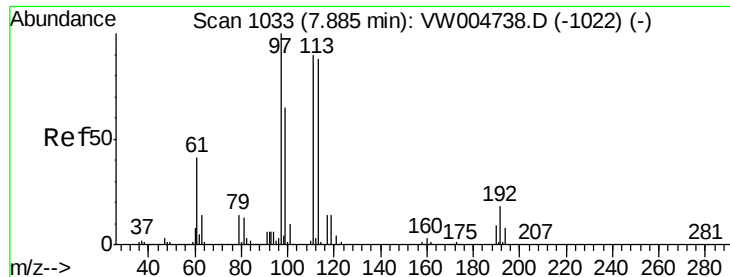
Tgt Ion: 65 Resp: 103364
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004854.D
 Acq: 21 Aug 2018 20:45

Tgt Ion: 114 Resp: 310560
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.0
 88 14.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.565 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004854.D

Acq: 21 Aug 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-A

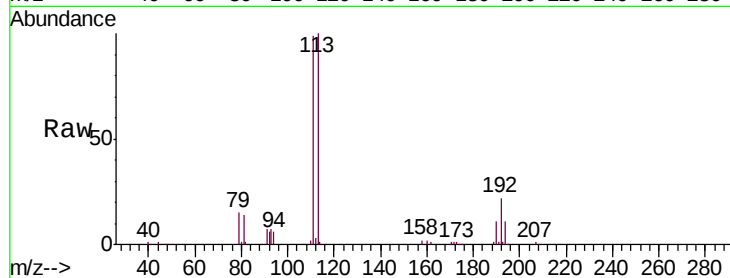
Tgt Ion:113 Resp: 100366

Ion Ratio Lower Upper

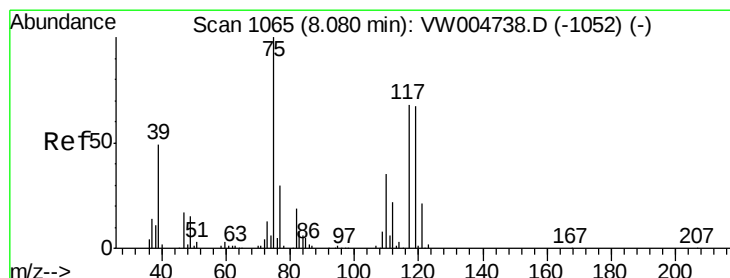
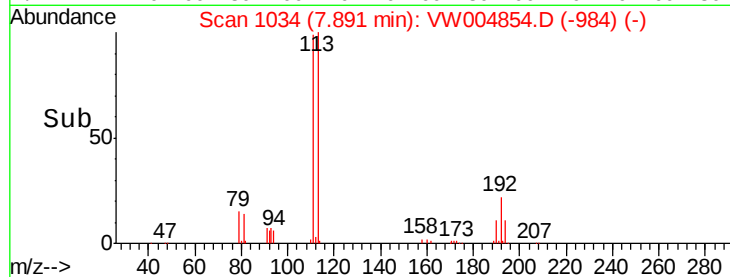
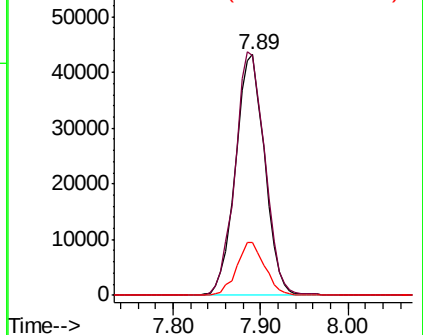
113 100

111 103.3 82.4 123.6

192 21.1 16.7 25.1



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: 5.136 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW004854.D

Acq: 21 Aug 2018 20:45

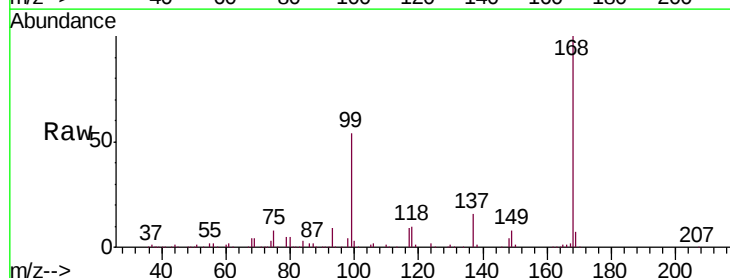
Tgt Ion: 75 Resp: 16431

Ion Ratio Lower Upper

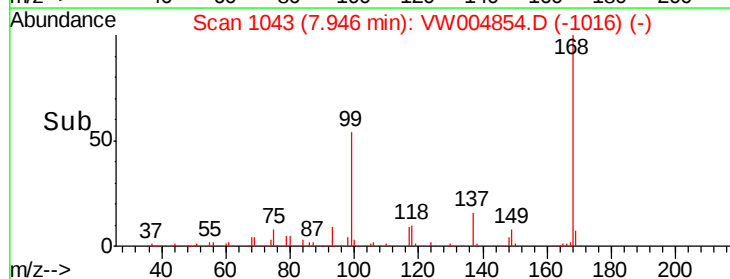
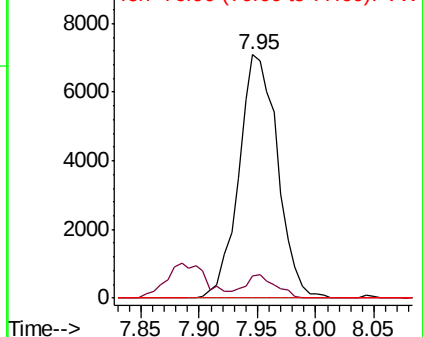
75 100

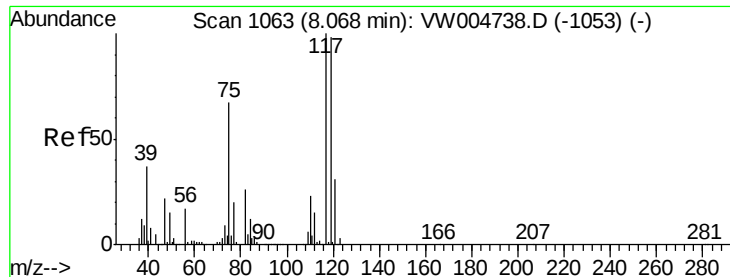
110 7.6 17.8 53.5#

77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.709 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004854.D

Acq: 21 Aug 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

HR-06-082018-A

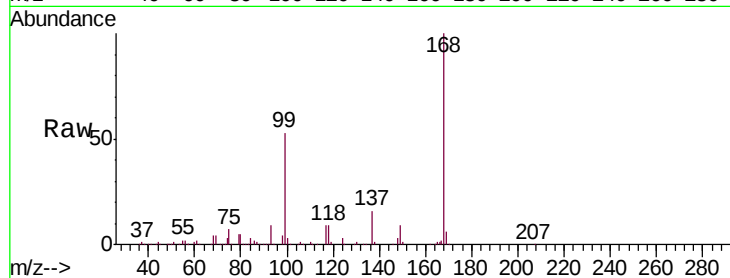
Tgt Ion:117 Resp: 19759

Ion Ratio Lower Upper

117 100

119 7.6 78.0 117.0#

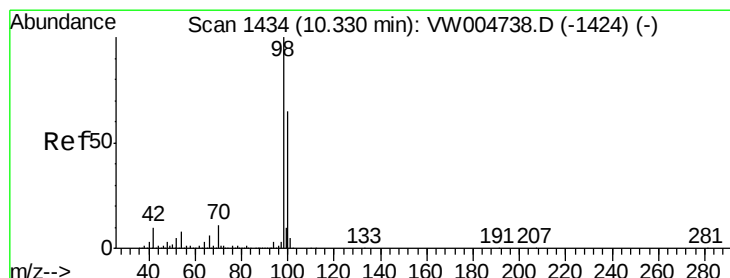
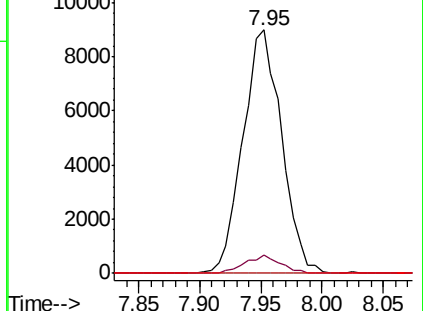
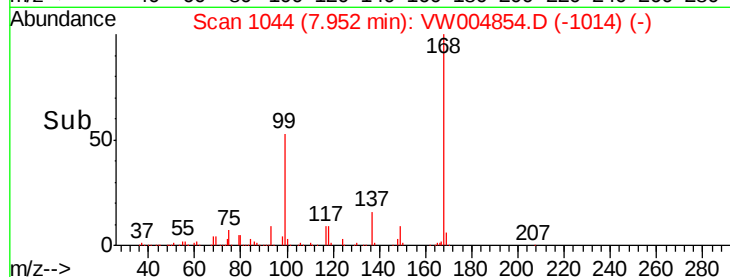
121 0.0 24.8 37.2#



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: 11.669 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004854.D

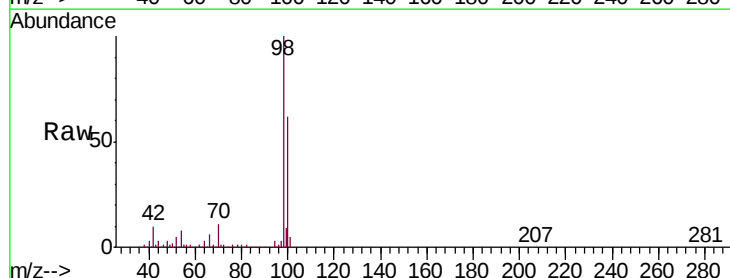
Acq: 21 Aug 2018 20:45

Tgt Ion: 98 Resp: 90417

Ion Ratio Lower Upper

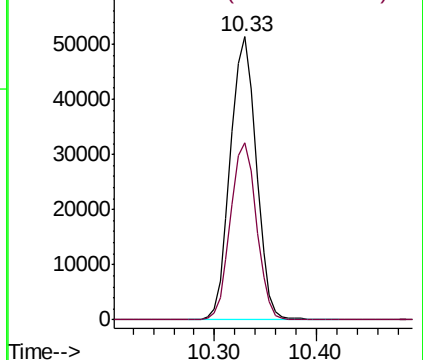
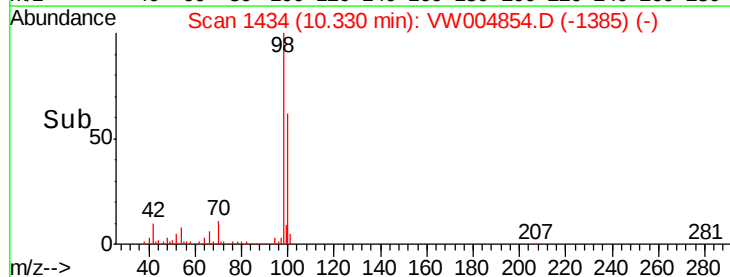
98 100

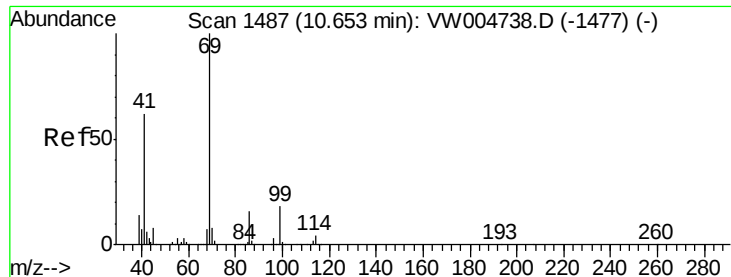
100 62.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

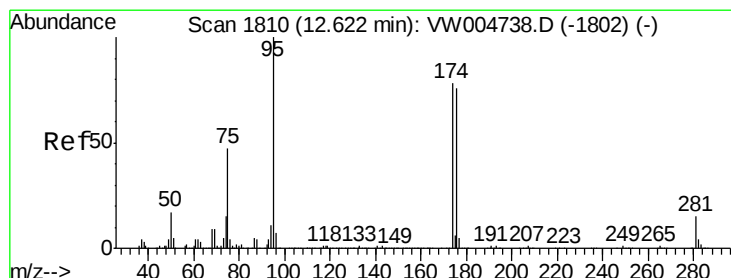
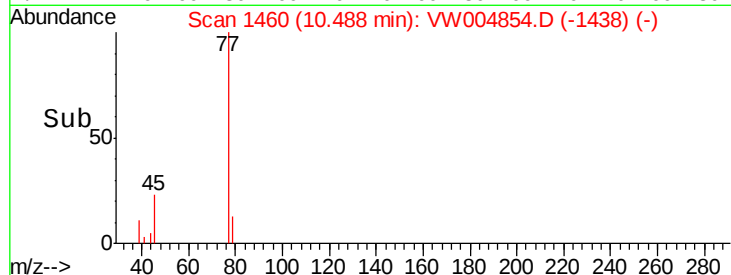
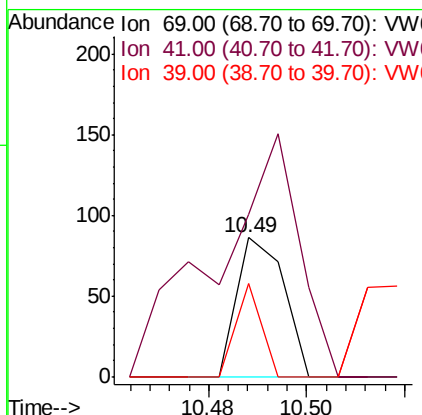
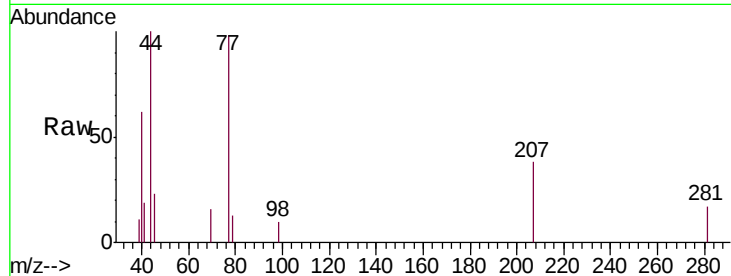




#56
Ethyl methacrylate
Concen: 3.006 ug/l
RT: 10.49 min Scan# 1460
Delta R.T. -0.16 min
Lab File: VW004854.D
Acq: 21 Aug 2018 20:45

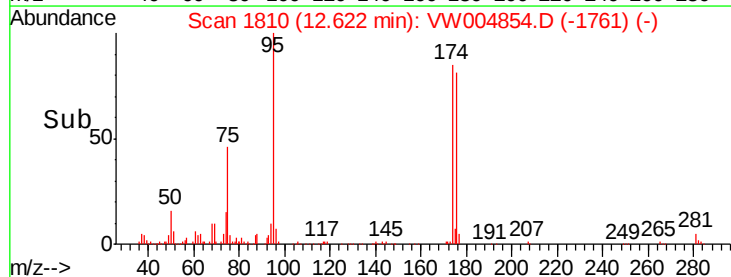
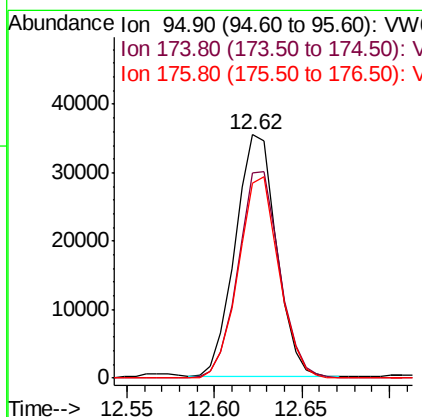
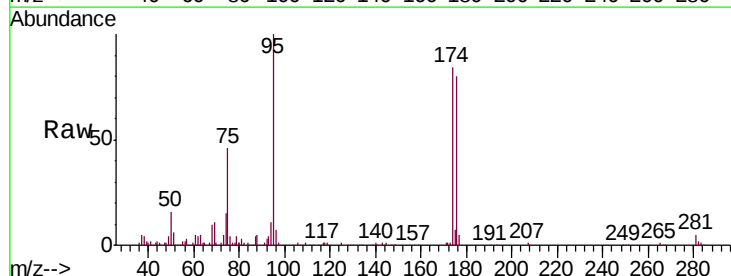
Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-A

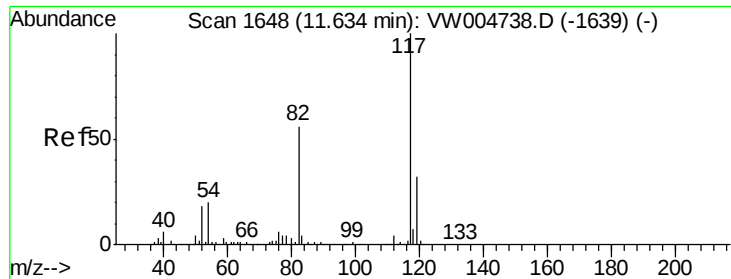
Tgt Ion: 69 Resp: 57
Ion Ratio Lower Upper
69 100
41 314.0 50.7 76.1#
39 36.8 21.4 32.2#



#62
4-Bromofluorobenzene
Concen: 20.779 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004854.D
Acq: 21 Aug 2018 20:45

Tgt Ion: 95 Resp: 57923
Ion Ratio Lower Upper
95 100
174 86.2 0.0 165.8
176 82.3 0.0 159.8

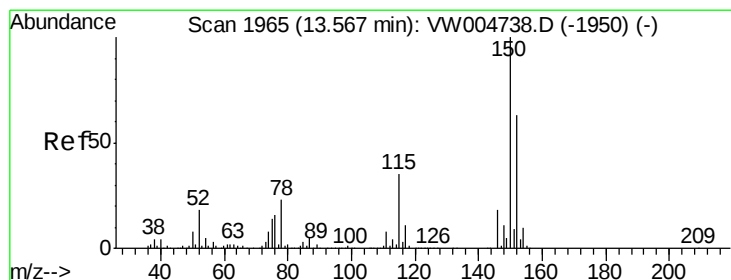
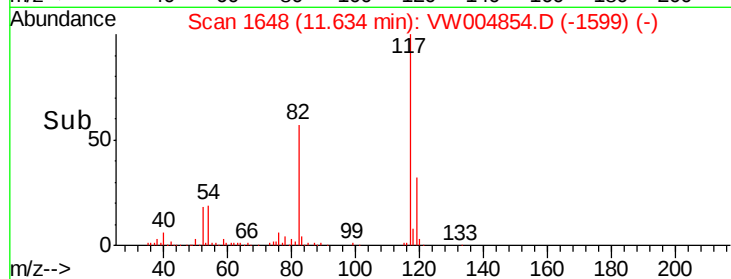
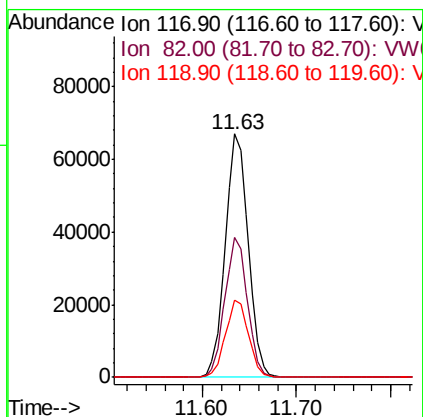
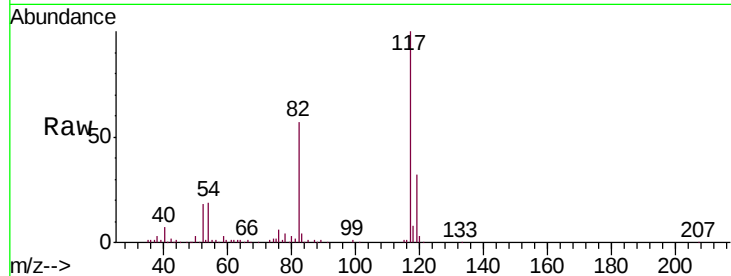




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004854.D
Acq: 21 Aug 2018 20:45

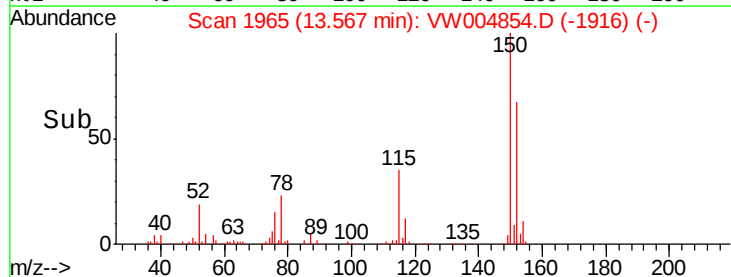
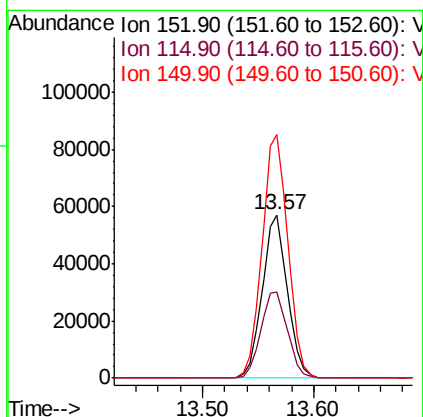
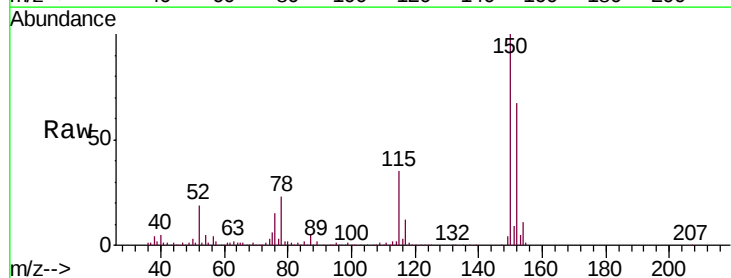
Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-A

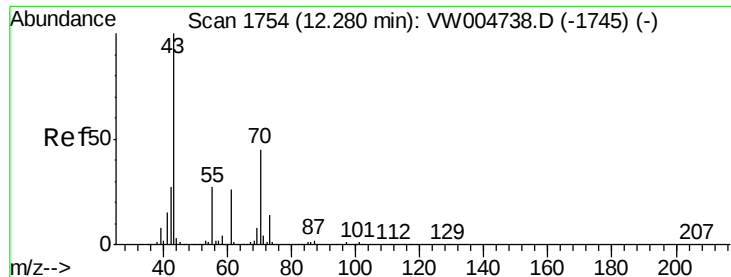
Tgt Ion:117 Resp: 113491
Ion Ratio Lower Upper
117 100
82 57.5 44.6 67.0
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004854.D
Acq: 21 Aug 2018 20:45

Tgt Ion:152 Resp: 90224
Ion Ratio Lower Upper
152 100
115 55.7 28.5 85.5
150 152.9 0.0 344.8

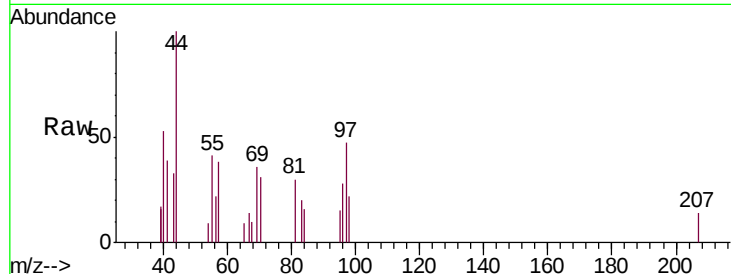




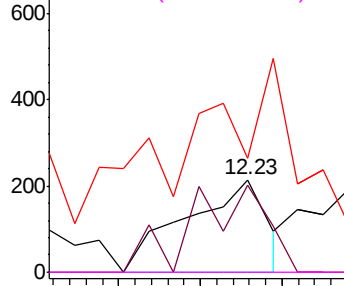
#74
N-ethyl acetate
Concen: 4.208 ug/l
RT: 12.23 min Scan# 1746
Delta R.T. -0.05 min
Lab File: VW004854.D
Acq: 21 Aug 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-A

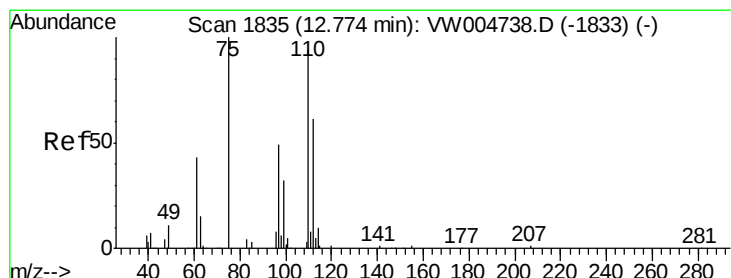
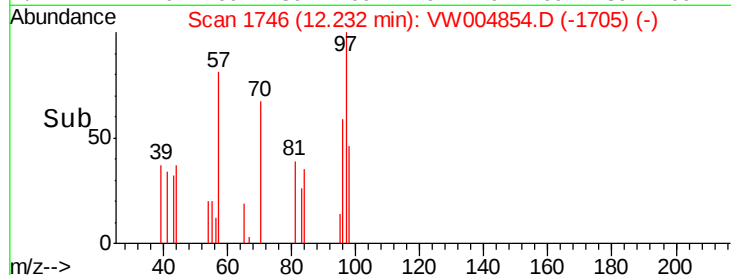
Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
70 88.5 36.3 54.5#
55 149.2 22.6 33.8#
61 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW

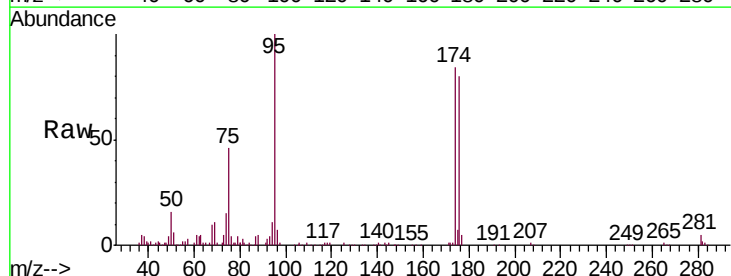


Time-->

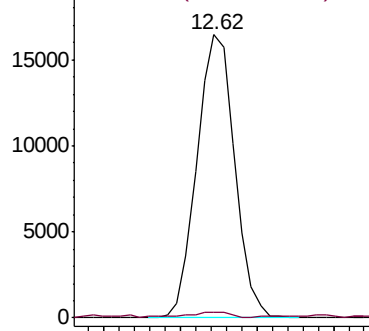


#76
1,2,3-Trichloropropane
Concen: 35.381 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004854.D
Acq: 21 Aug 2018 20:45

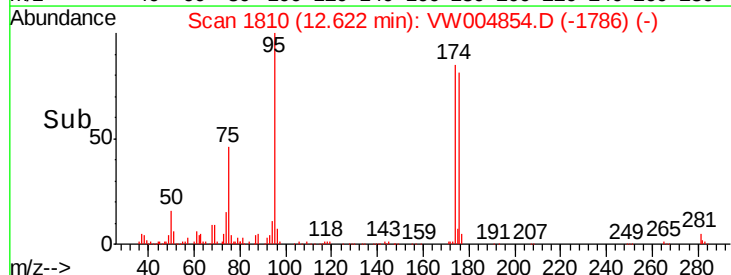
Tgt Ion: 75 Resp: 28140
Ion Ratio Lower Upper
75 100
77 2.8 0.0 0.0#

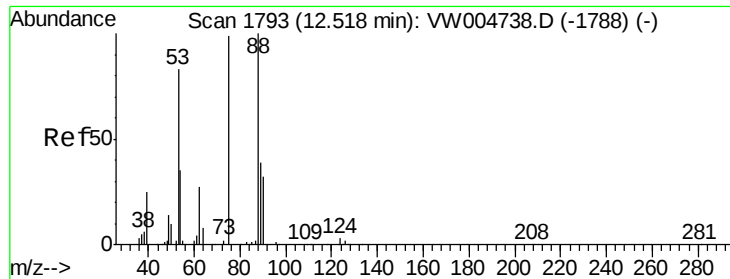


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW



Time-->

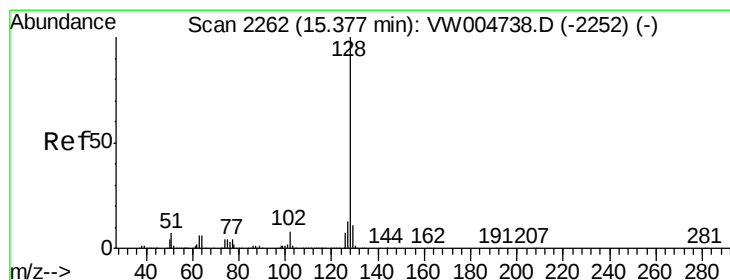
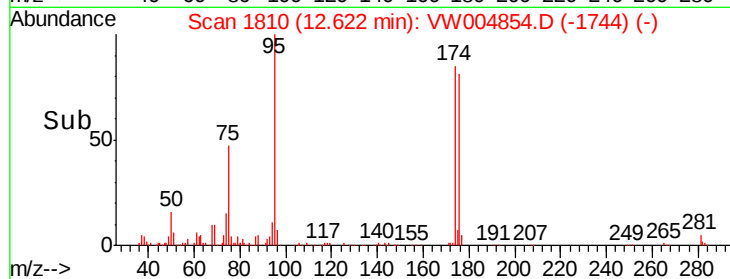
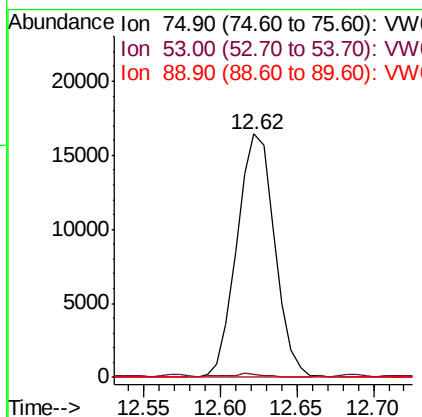
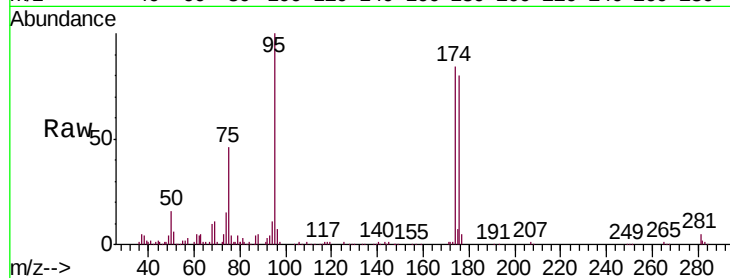




#81
trans-1,4-Dichloro-2-butene
Concen: 82.235 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004854.D
Acq: 21 Aug 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-A

Tgt Ion: 75 Resp: 28140
Ion Ratio Lower Upper
75 100
53 1.4 72.2 108.4#
89 0.0 35.2 52.8#



#95
Naphthalene
Concen: 3.595 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VW004854.D
Acq: 21 Aug 2018 20:45

Tgt Ion: 128 Resp: 349
Ion Ratio Lower Upper
128 100
127 62.5 10.4 15.6#
129 45.3 8.6 13.0#

