

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW022219\
 Data File : VW008786.D
 Acq On : 22 Feb 2019 13:42
 Operator : SY/VA
 Sample : VW0222SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 23 03:23:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	364167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	556279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	484568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	232219	50.00	ug/l	0.00

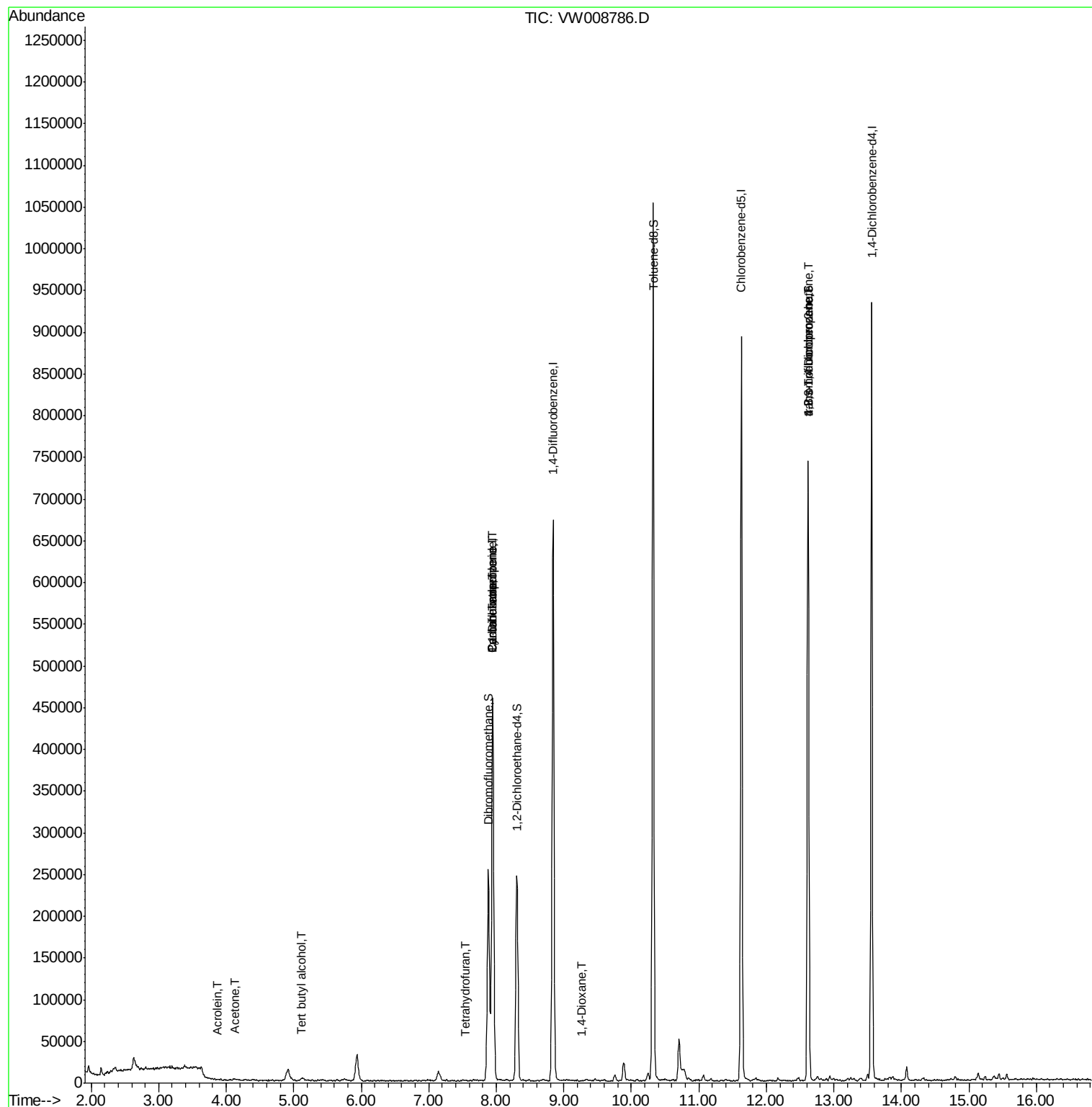
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	189201	55.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.78%	
35) Dibromofluoromethane	7.88	113	170448	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
50) Toluene-d8	10.32	98	663073	51.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.62	95	223094	44.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.38%	

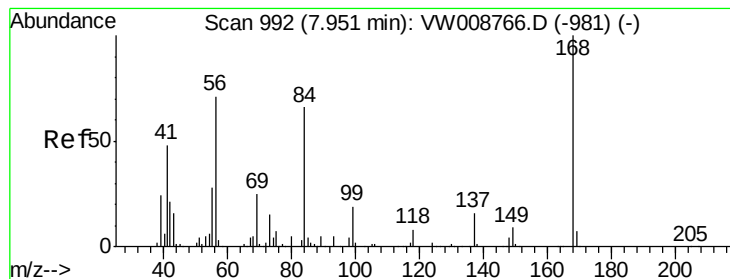
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	1315	4.325	ug/l	100
13) Acrolein	3.87	56	106	20.084	ug/l #	1
16) Acetone	4.13	43	2748	3.471	ug/l #	69
20) Methylene Chloride	4.92	84	10373	Below Cal		96
29) Tetrahydrofuran	7.55	42	706	1.001	ug/l #	35
31) Cyclohexane	7.94	56	8153	1.266	ug/l #	38
36) 1,1-Dichloropropene	7.95	75	26622	4.916	ug/l #	52
38) Carbon Tetrachloride	7.95	117	35117	6.149	ug/l #	17
49) 1,4-Dioxane	9.26	88	38	1.168	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	115476	60.229	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	115476	146.422	ug/l #	6

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

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Quant Time: Feb 23 03:23:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008786.D

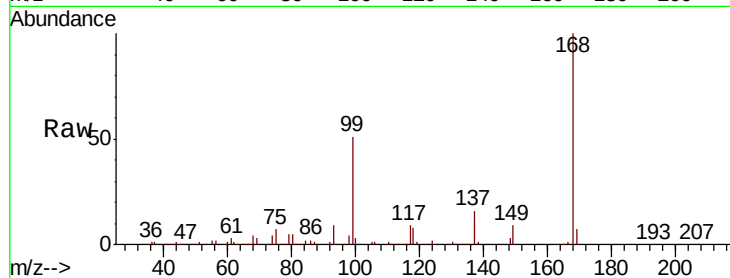
Acq: 22 Feb 2019 13:42

Tgt Ion: 168 Resp: 364167

Ion Ratio Lower Upper

168 100

99 51.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

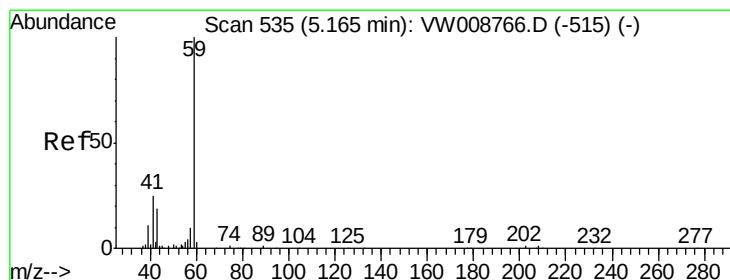
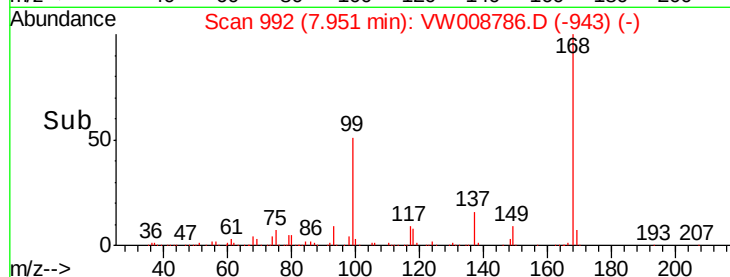
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.325 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW008786.D

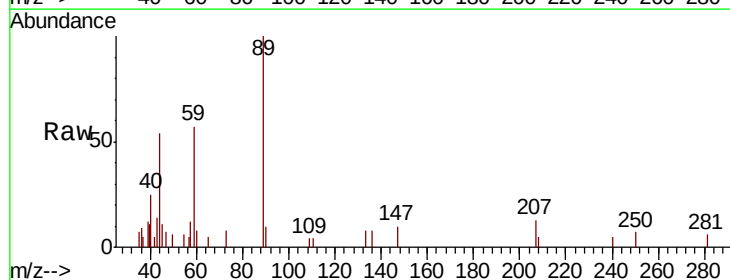
Acq: 22 Feb 2019 13:42

Tgt Ion: 59 Resp: 1315

Ion Ratio Lower Upper

59 100

57 11.7 9.3 13.9



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

800

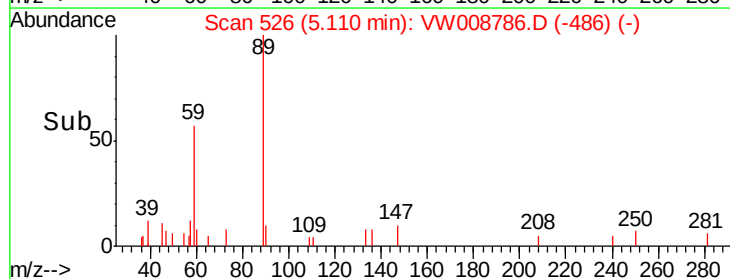
600

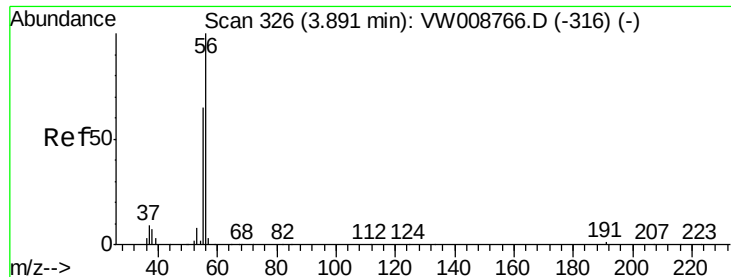
400

200

0

Time-->





#13

Acrolein

Concen: 20.084 ug/l

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW008786.D

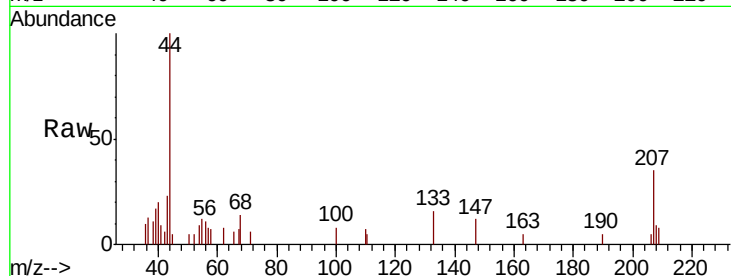
Acq: 22 Feb 2019 13:42

Tgt Ion: 56 Resp: 106

Ion Ratio Lower Upper

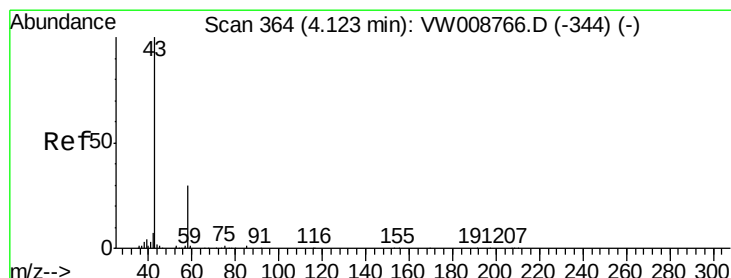
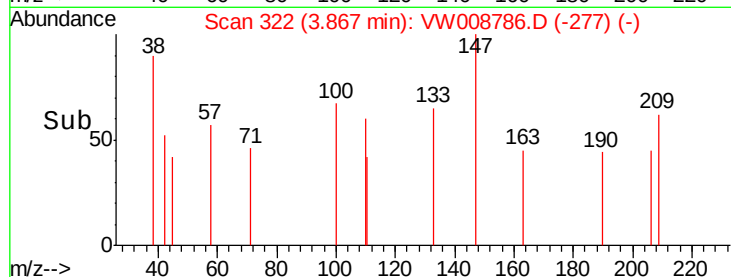
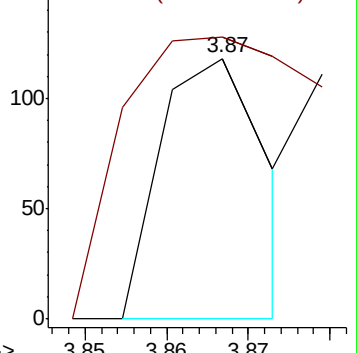
56 100

55 230.2 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 3.471 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008786.D

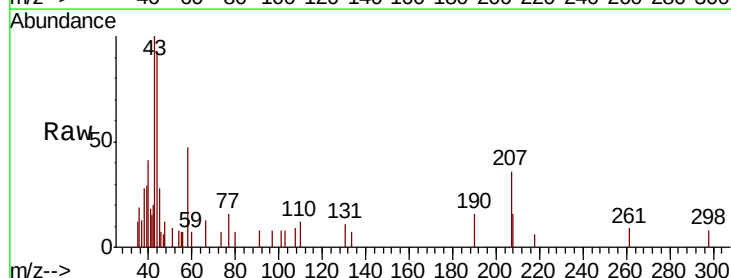
Acq: 22 Feb 2019 13:42

Tgt Ion: 43 Resp: 2748

Ion Ratio Lower Upper

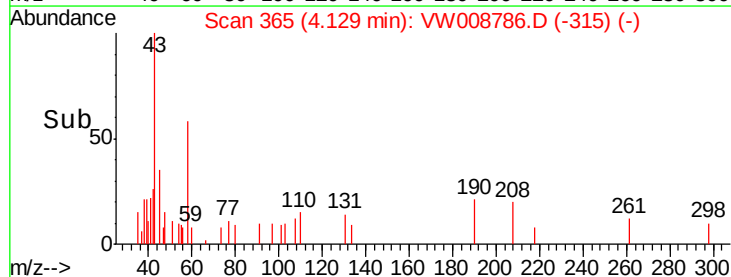
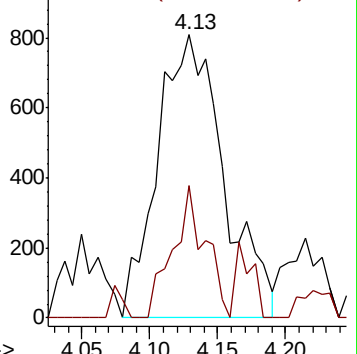
43 100

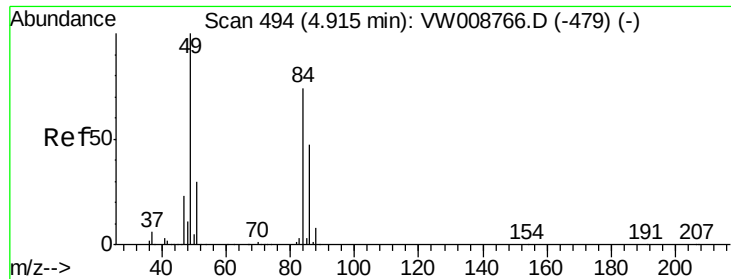
58 46.7 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

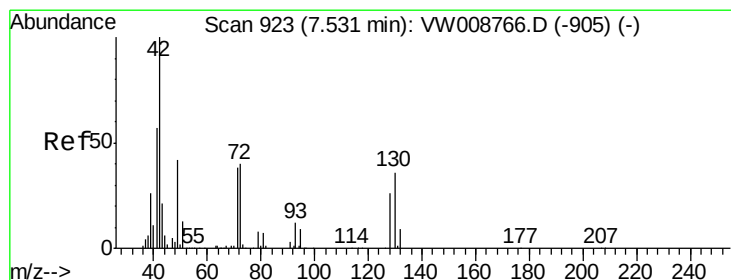
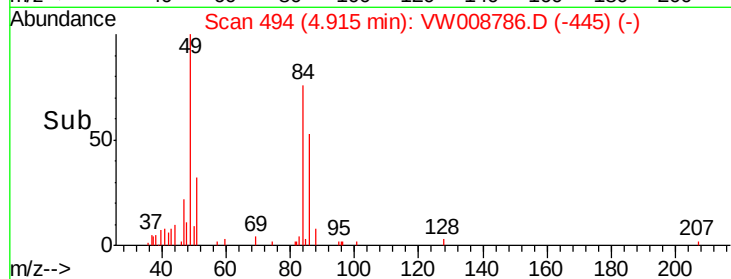
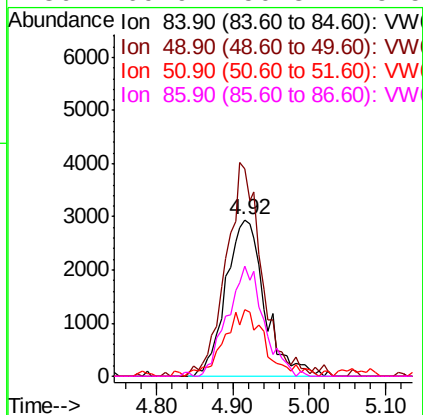
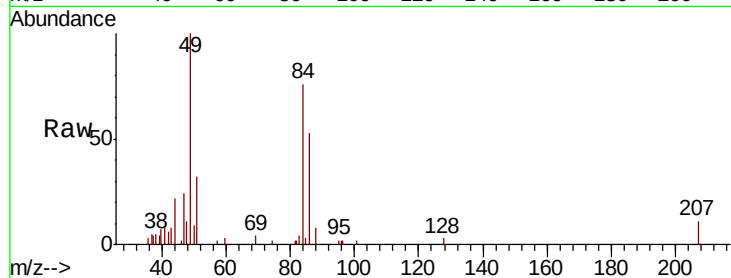
Ion 58.00 (57.70 to 58.70): VW





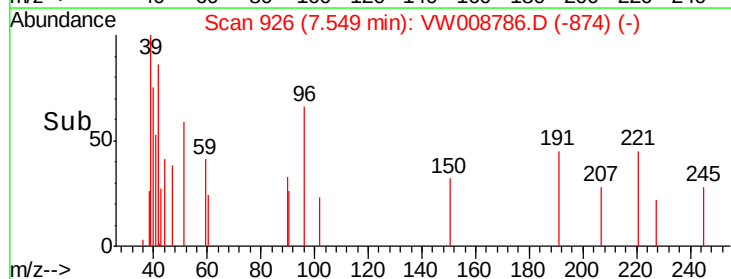
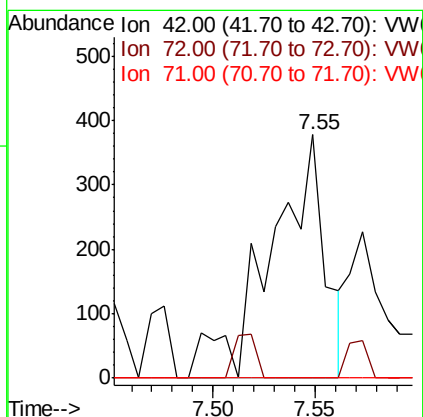
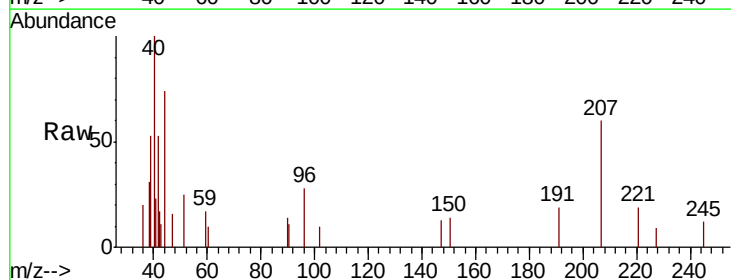
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008766.D
Acq: 22 Feb 2019 13:42

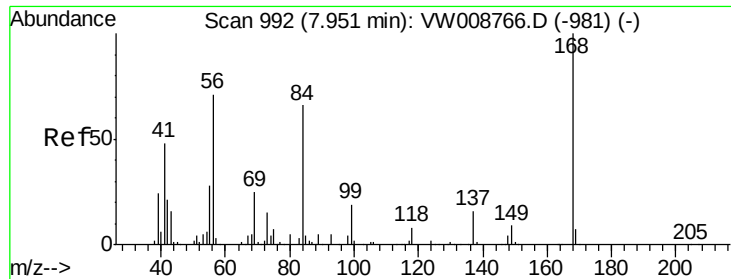
Tgt Ion:	84	Resp:	10373
Ion	Ratio	Lower	Upper
84	100		
49	132.3	108.2	162.2
51	39.9	32.7	49.1
86	69.9	50.3	75.5



#29
Tetrahydrofuran
Concen: 1.001 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW008766.D
Acq: 22 Feb 2019 13:42

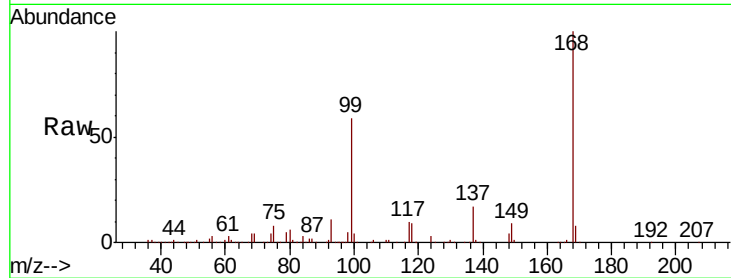
Tgt Ion:	42	Resp:	706
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.7	49.1#
71	0.0	31.3	46.9#



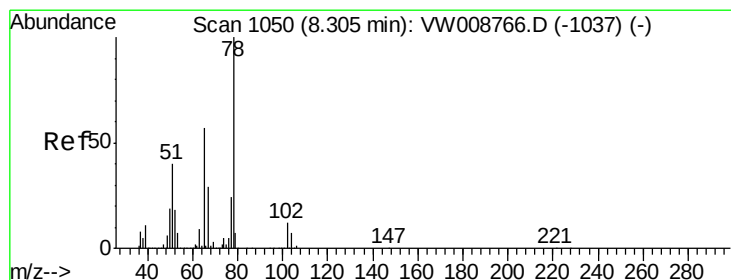
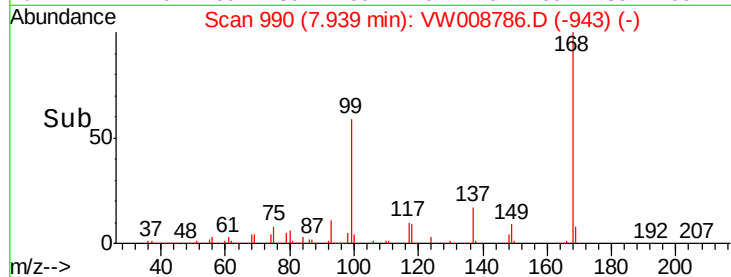
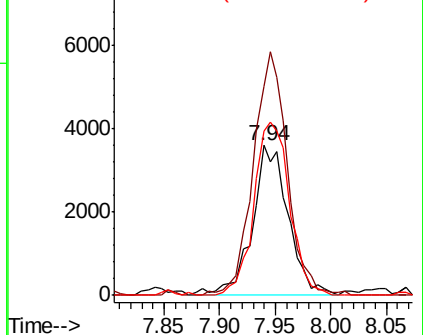


#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008786.D
Acq: 22 Feb 2019 13:42

Tgt Ion: 56 Resp: 8153
Ion Ratio Lower Upper
56 100
69 140.0 28.2 42.4#
84 109.6 74.1 111.1

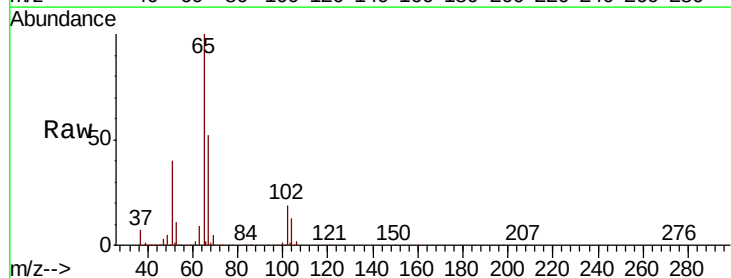


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

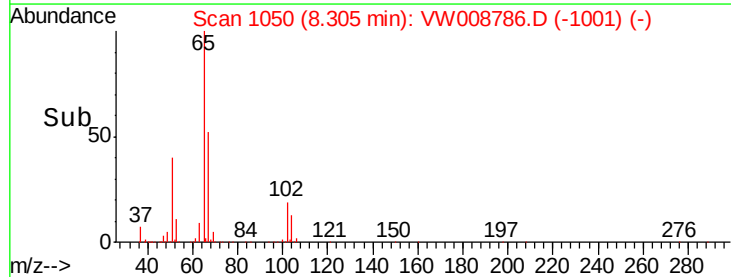
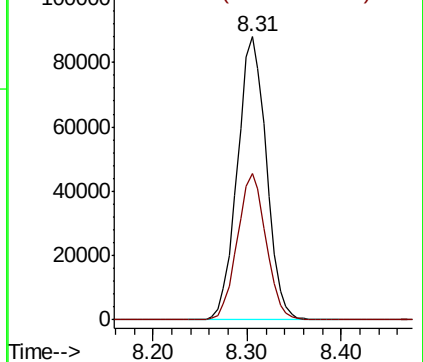


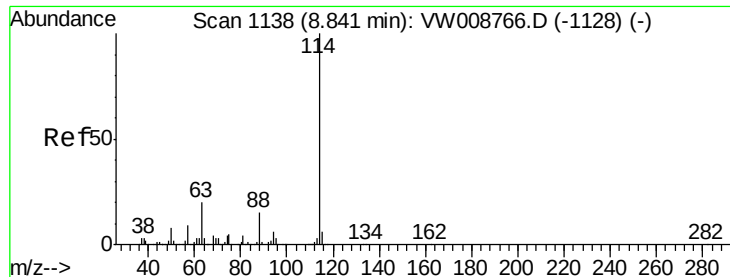
#33
1,2-Dichloroethane-d4
Concen: 55.394 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008786.D
Acq: 22 Feb 2019 13:42

Tgt Ion: 65 Resp: 189201
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.4



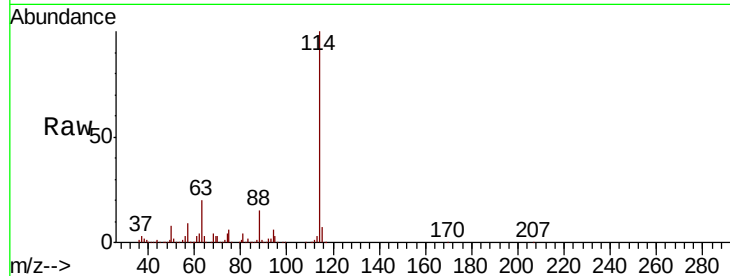
Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW



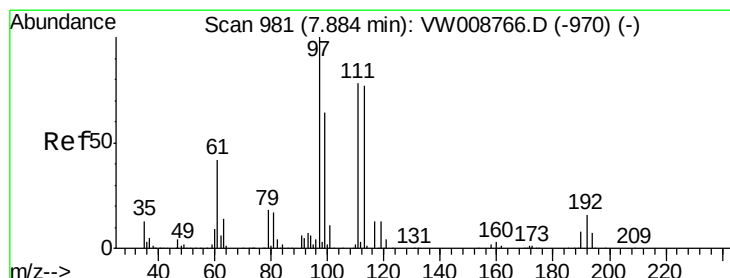
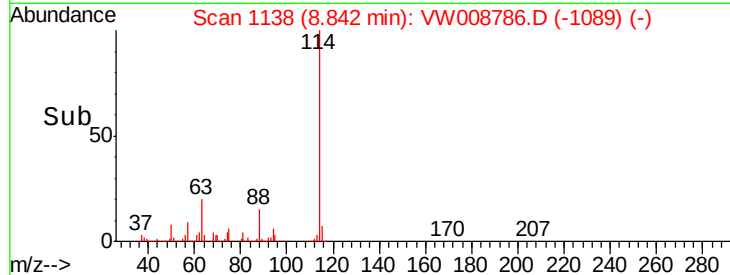
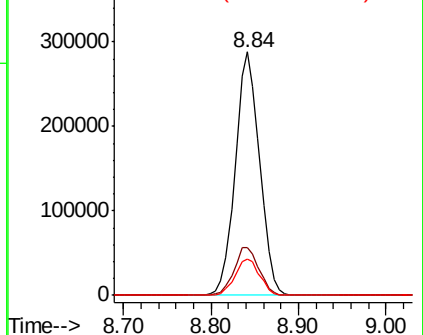


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008786.D
 Acq: 22 Feb 2019 13:42

Tgt Ion:	114	Resp:	556279
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.8
88	14.7	0.0	30.4

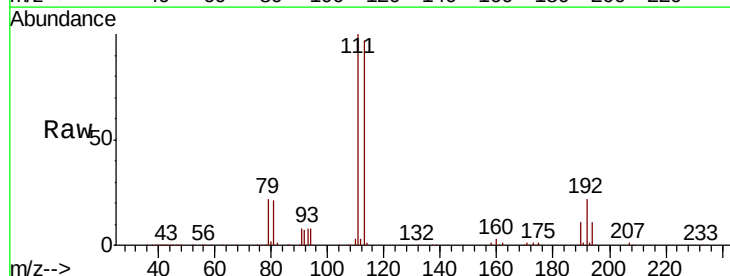


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

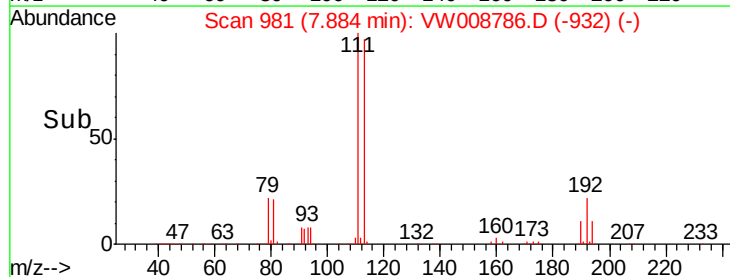
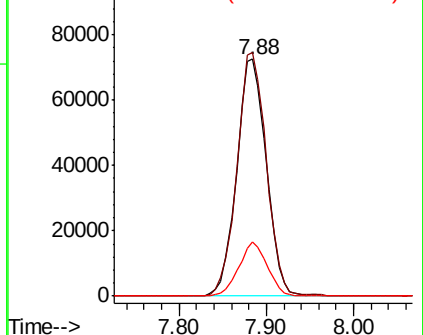


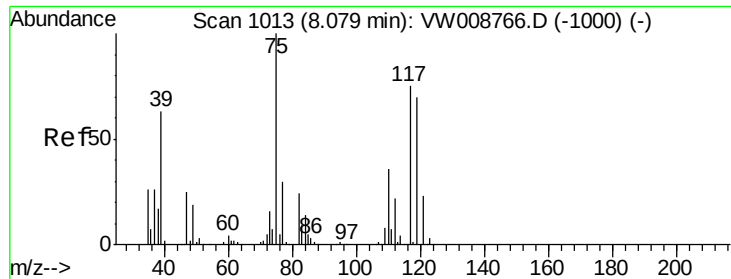
#35
 Dibromofluoromethane
 Concen: 51.033 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008786.D
 Acq: 22 Feb 2019 13:42

Tgt Ion:	113	Resp:	170448
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.9	122.9
192	22.1	17.1	25.7



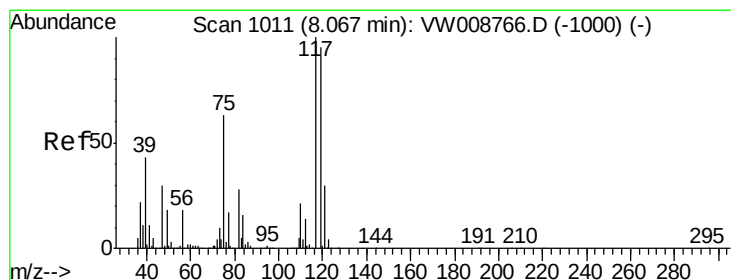
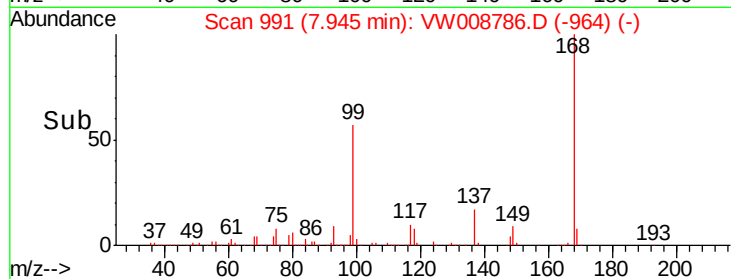
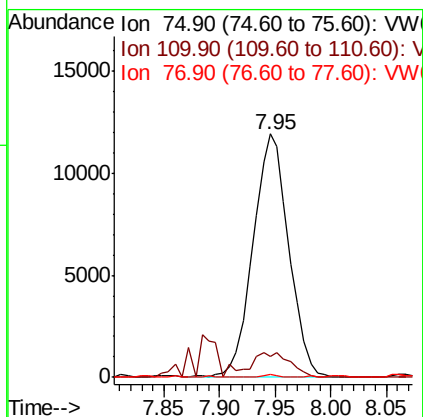
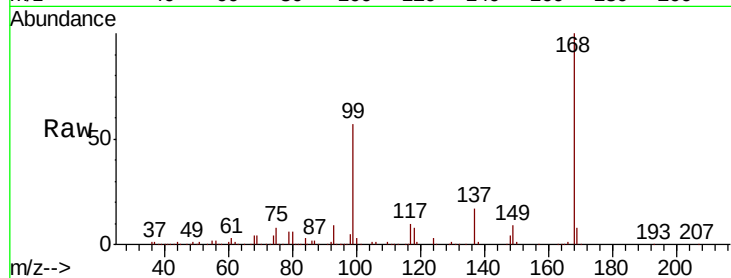
Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





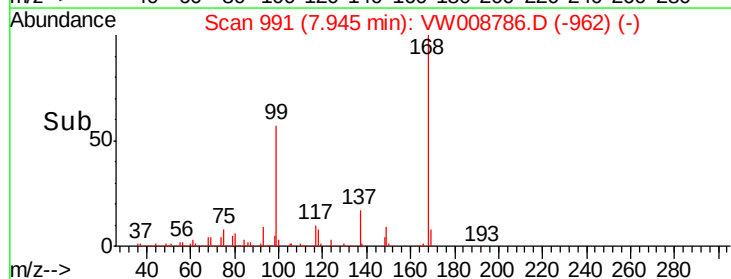
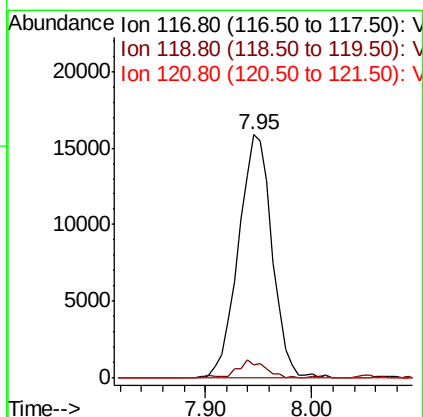
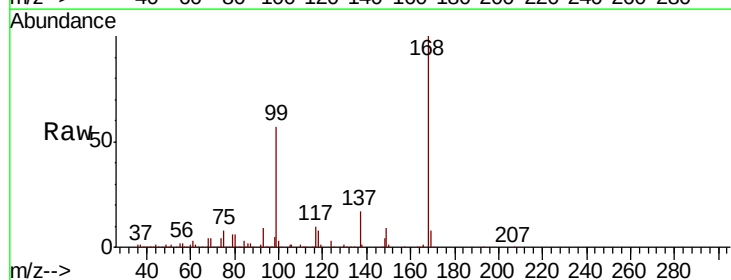
#36
 1,1-Dichloropropene
 Concen: 4.916 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008786.D
 Acq: 22 Feb 2019 13:42

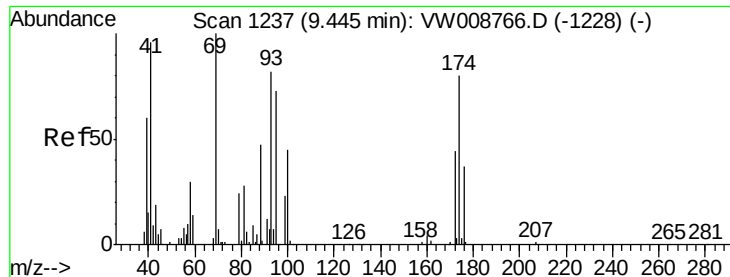
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.5	52.6#
77	0.4	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.149 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008786.D
 Acq: 22 Feb 2019 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.1	114.1#
121	0.0	24.0	36.0#





#49

1,4-Dioxane

Concen: 1.168 ug/l

RT: 9.26 min Scan# 1207

Delta R.T. -0.18 min

Lab File: VW008786.D

Acq: 22 Feb 2019 13:42

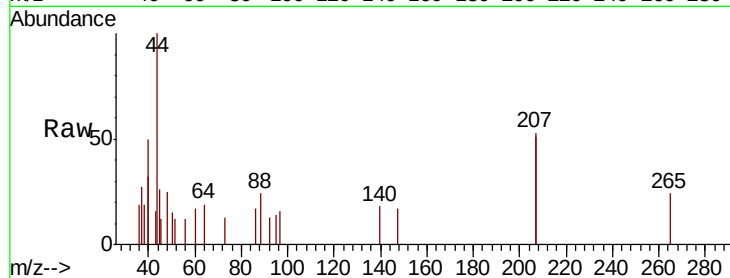
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

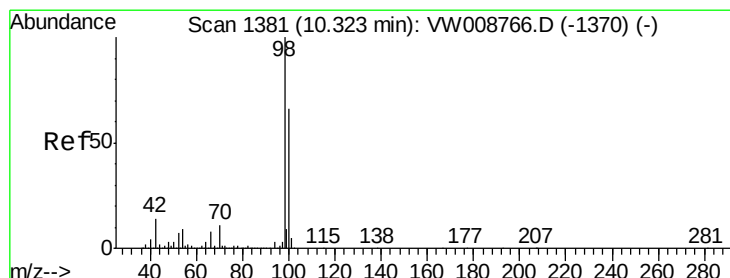
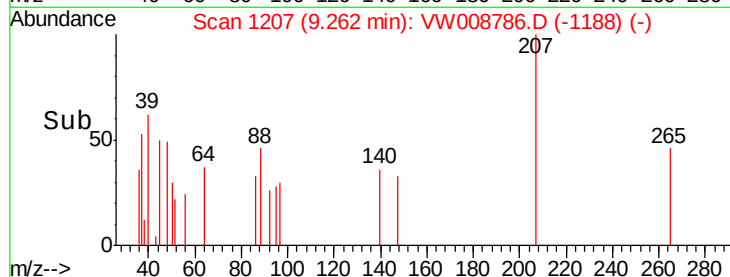
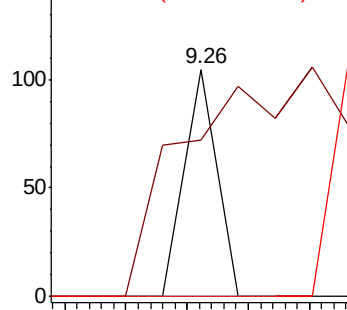
58 0.0 52.0 78.0#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.428 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008786.D

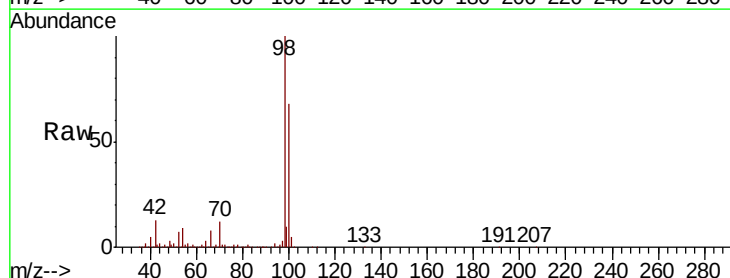
Acq: 22 Feb 2019 13:42

Tgt Ion: 98 Resp: 663073

Ion Ratio Lower Upper

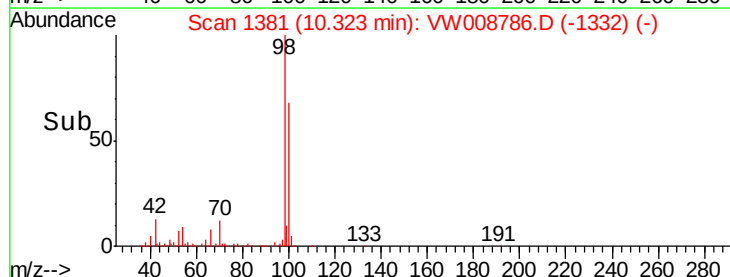
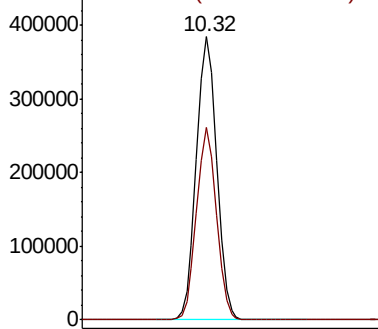
98 100

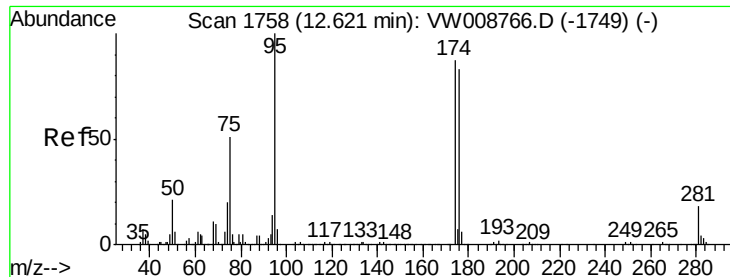
100 66.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

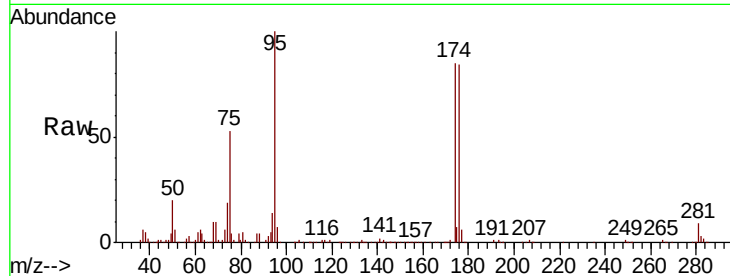
Ion 100.00 (99.70 to 100.70): VW



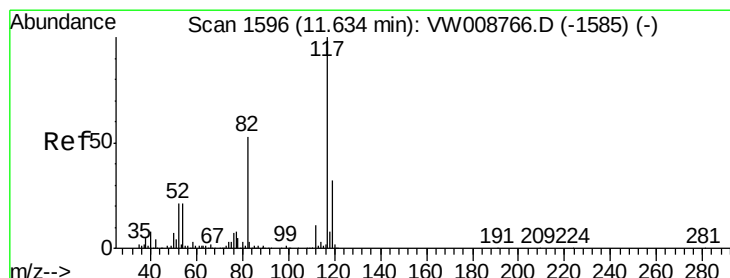
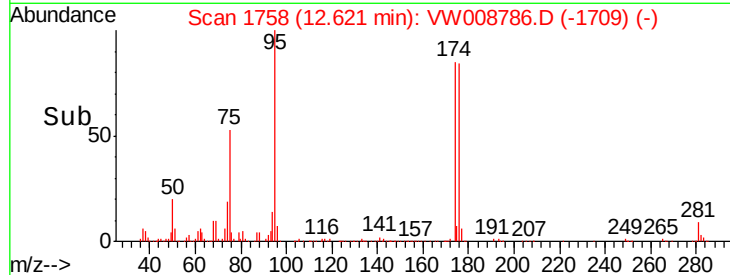
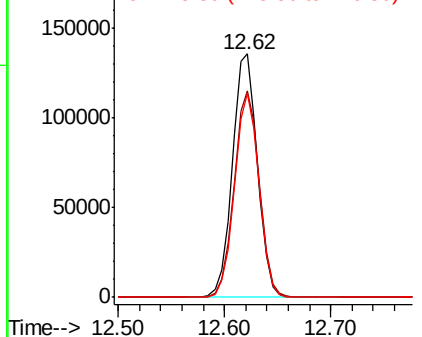


#62
4-Bromofluorobenzene
Concen: 44.192 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008786.D
Acq: 22 Feb 2019 13:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	169.2
176	82.1	0.0	163.6

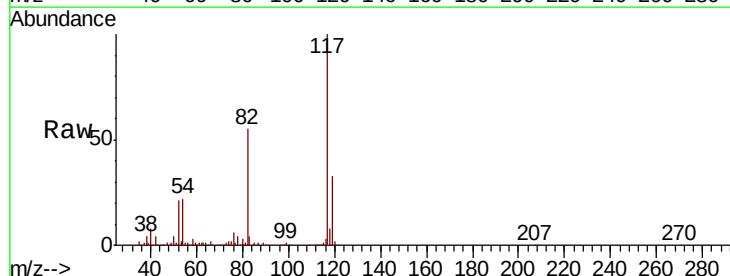


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

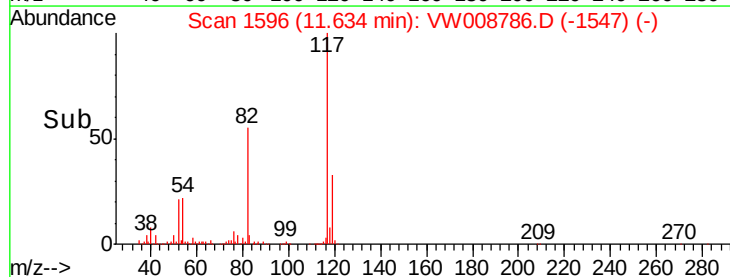
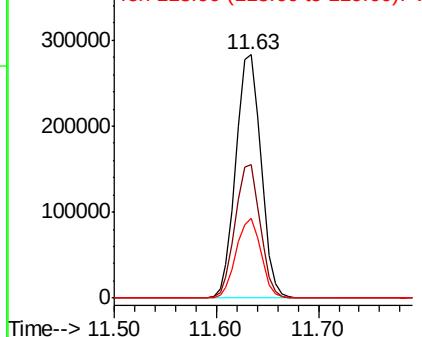


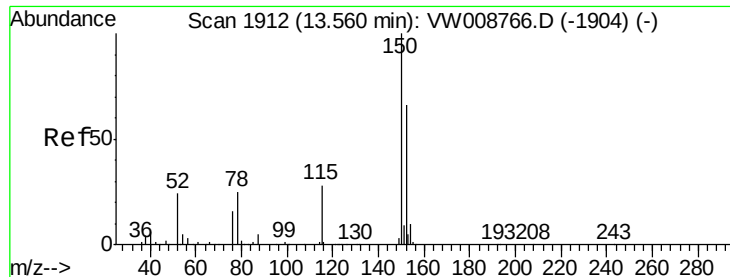
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008786.D
Acq: 22 Feb 2019 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.0	42.2	63.4
119	32.7	25.9	38.9



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

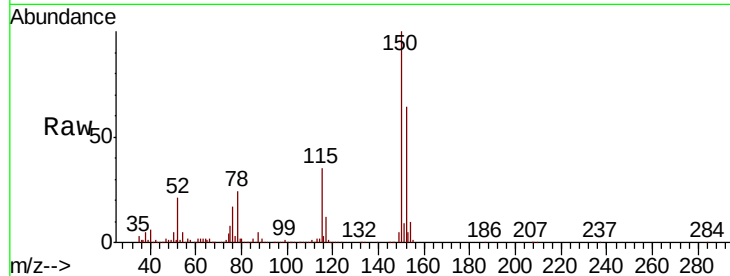




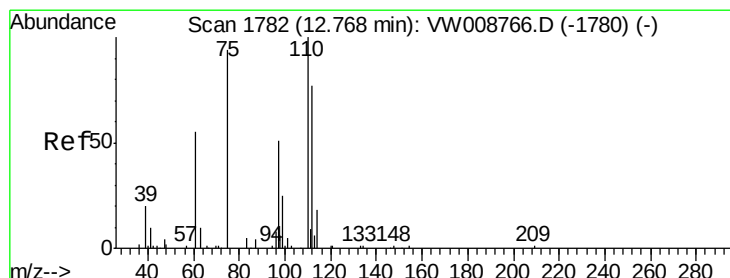
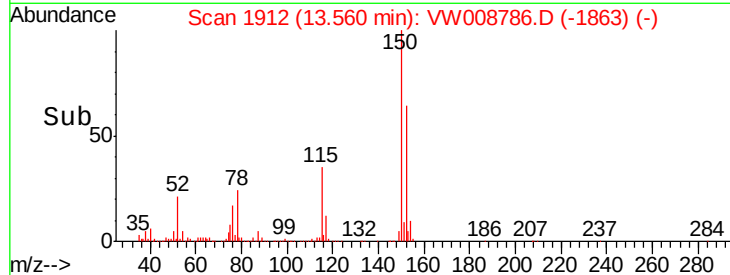
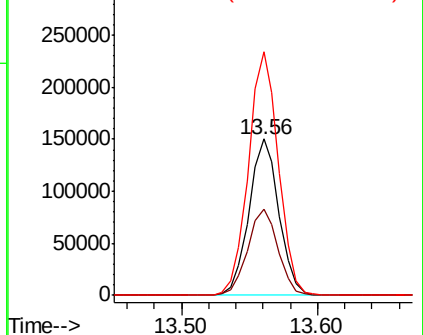
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008786.D
Acq: 22 Feb 2019 13:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.6	85.8
150	155.3	0.0	348.0



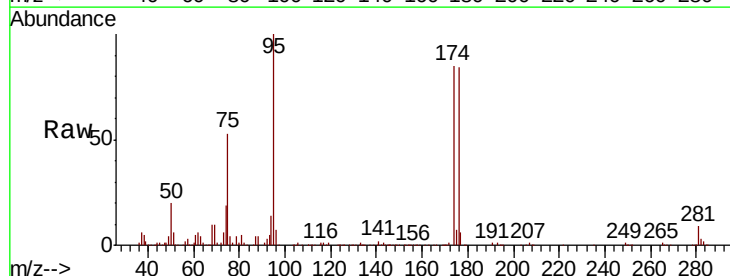
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



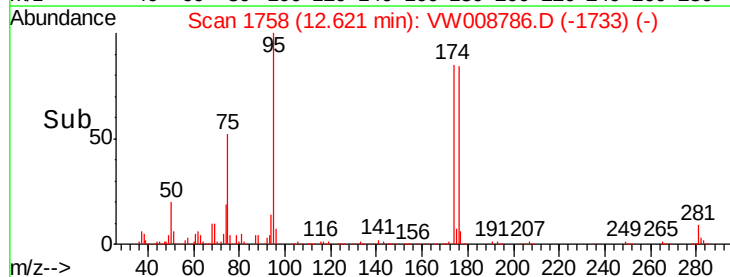
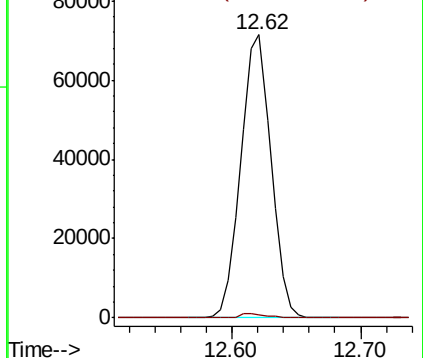
#76

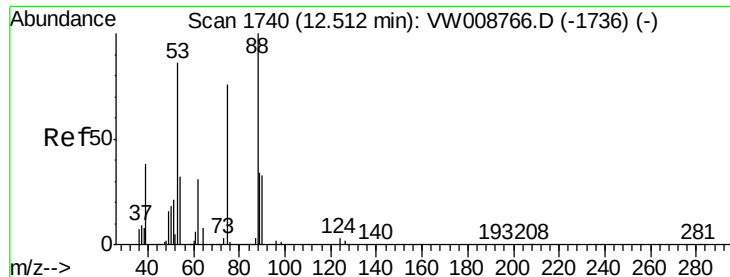
1,2,3-Trichloropropane
Concen: 60.229 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008786.D
Acq: 22 Feb 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



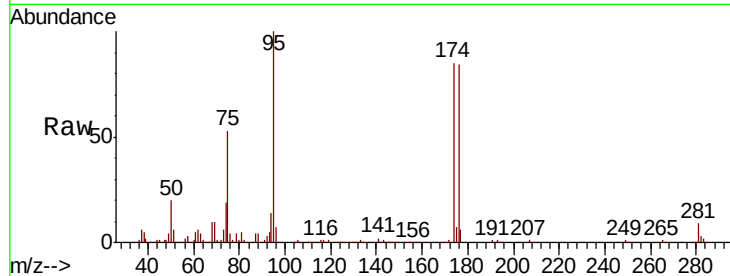
Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.422 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008786.D
 Acq: 22 Feb 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.2	132.2#
89	0.1	39.5	59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 53.00 (52.70 to 53.70): VW
 Ion 88.90 (88.60 to 89.60): VW

