

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW022219\
 Data File : VW008795.D
 Acq On : 22 Feb 2019 17:52
 Operator : SY/VA
 Sample : K1597-01
 Misc : 7.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 23 03:26:42 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	359661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	561930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	483487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216634	50.00	ug/l	0.00

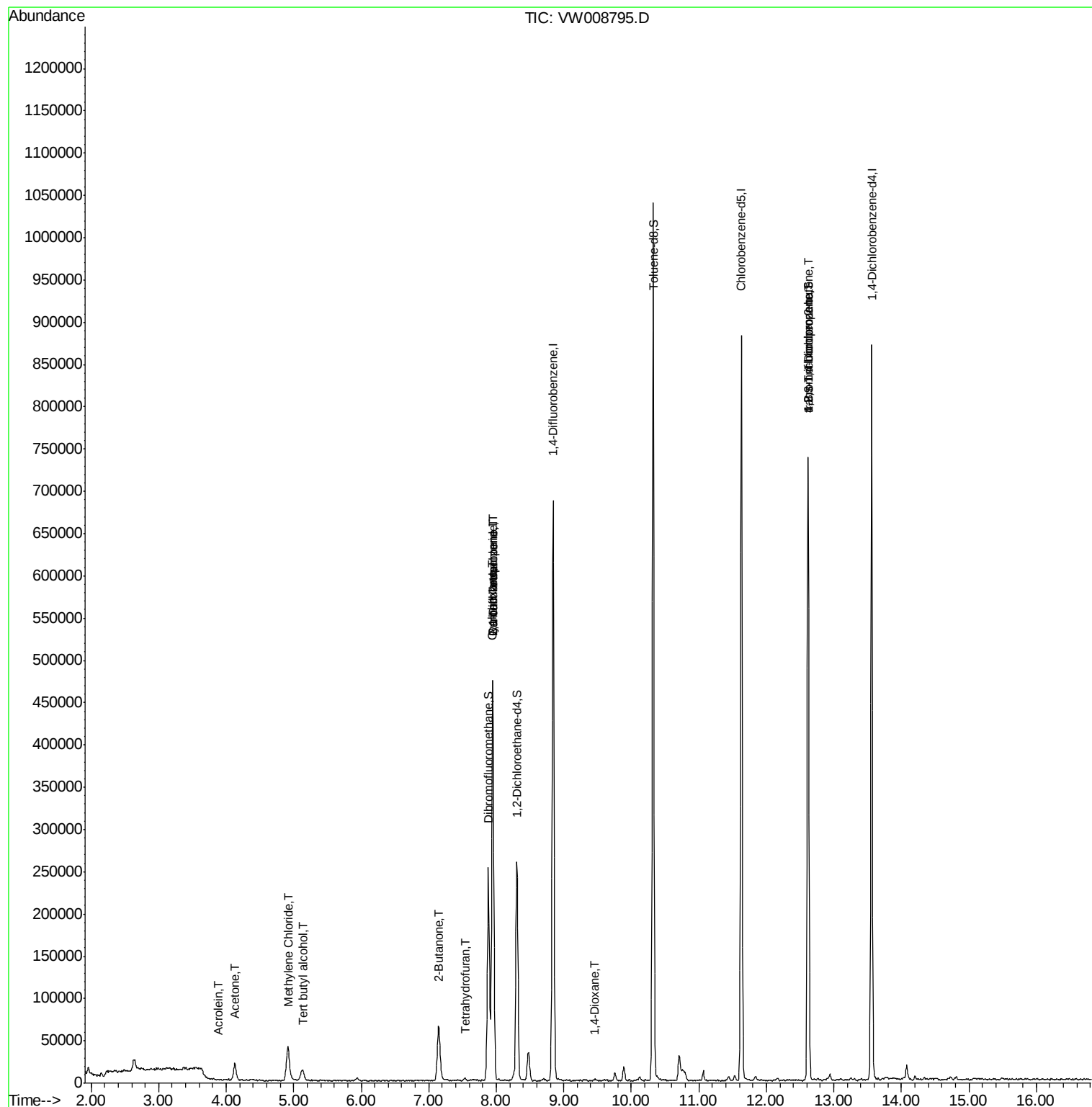
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	196929	58.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.76%	
35) Dibromofluoromethane	7.88	113	169897	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.32	98	656971	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.62	95	217900	42.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.46%	

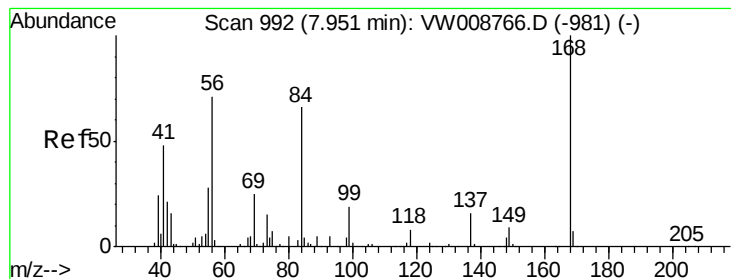
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	11634	38.740	ug/l #	75
13) Acrolein	3.89	56	228	20.443	ug/l	85
16) Acetone	4.12	43	35404	45.279	ug/l	90
20) Methylene Chloride	4.92	84	29853	2.942	ug/l	89
25) 2-Butanone	7.15	43	6227	5.696	ug/l #	87
29) Tetrahydrofuran	7.54	42	2282	3.276	ug/l	95
31) Cyclohexane	7.94	56	8615	1.355	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	27587	5.043	ug/l #	51
38) Carbon Tetrachloride	7.95	117	36022	6.244	ug/l #	17
49) 1,4-Dioxane	9.45	88	91	2.768	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	115308	64.468	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	115308	156.727	ug/l #	6

(#) = 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# 992

Delta R.T. 0.00 min

Lab File: VW008795.D

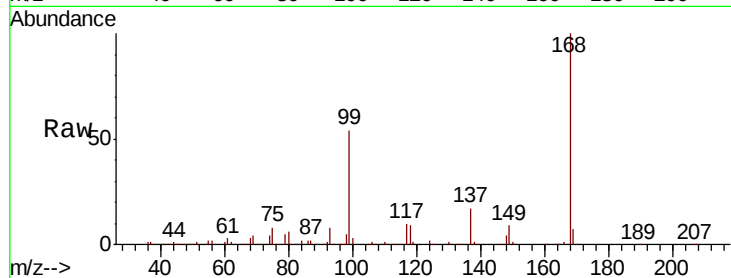
Acq: 22 Feb 2019 17:52

Tgt Ion: 168 Resp: 359661

Ion Ratio Lower Upper

168 100

99 54.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

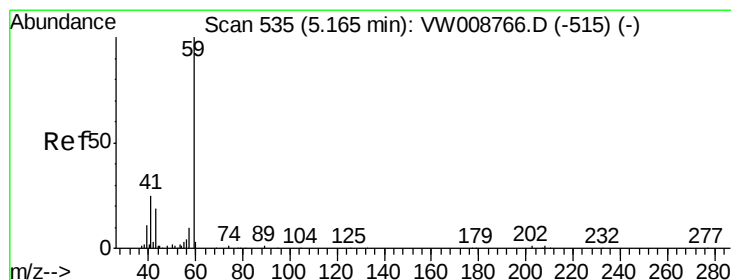
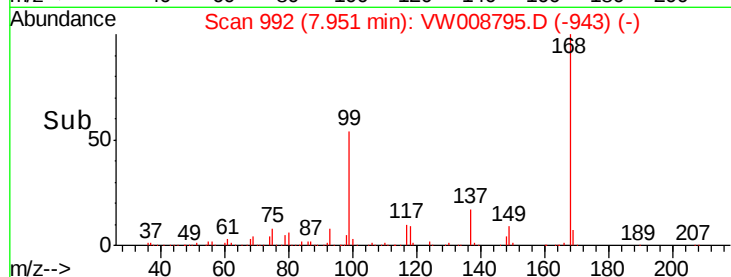
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 38.740 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW008795.D

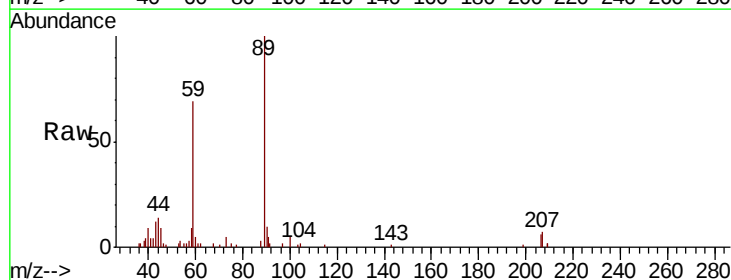
Acq: 22 Feb 2019 17:52

Tgt Ion: 59 Resp: 11634

Ion Ratio Lower Upper

59 100

57 1.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

4000

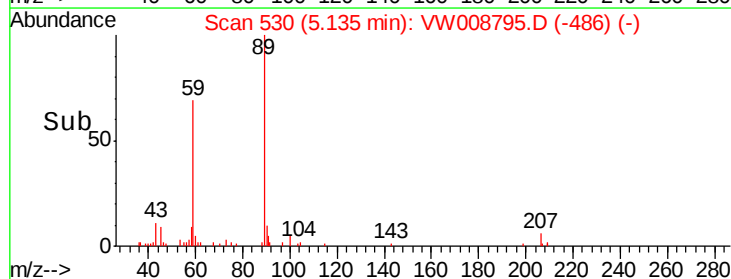
3000

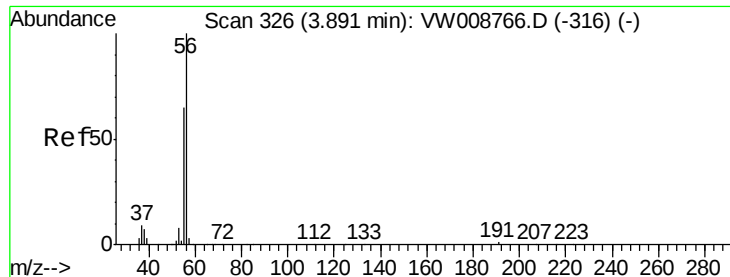
2000

1000

0

Time--> 5.00 5.10 5.20 5.30





#13

Acrolein

Concen: 20.443 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008795.D

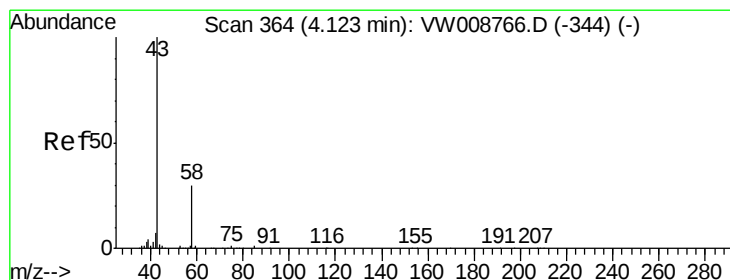
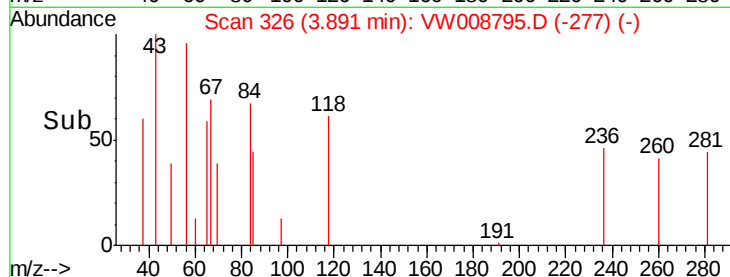
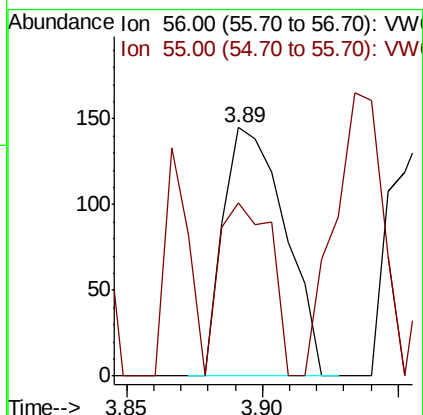
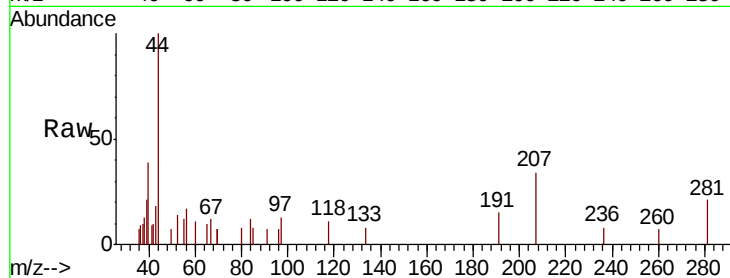
Acq: 22 Feb 2019 17:52

Tgt Ion: 56 Resp: 228

Ion Ratio Lower Upper

56 100

55 58.8 56.9 85.3



#16

Acetone

Concen: 45.279 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008795.D

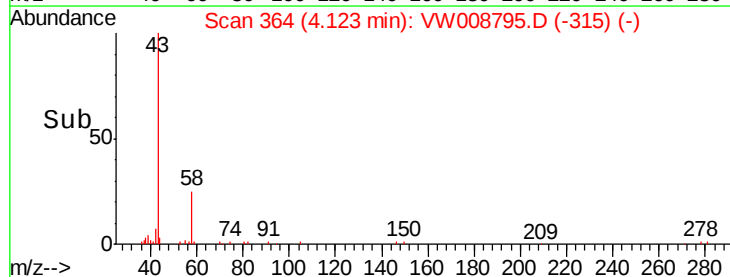
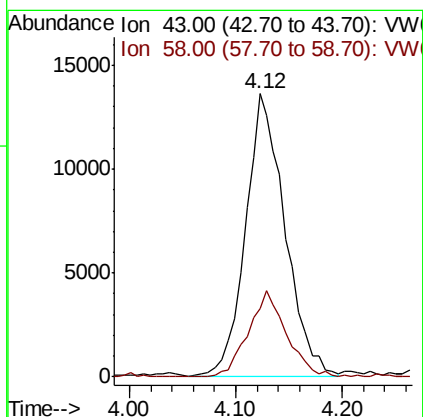
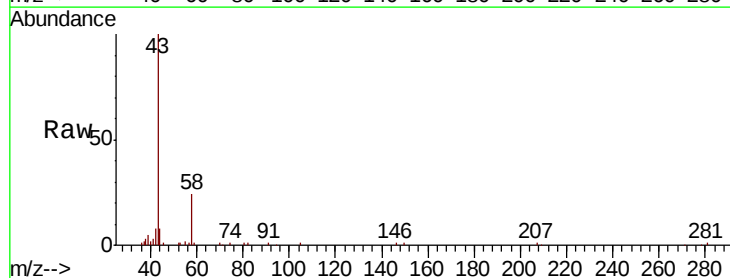
Acq: 22 Feb 2019 17:52

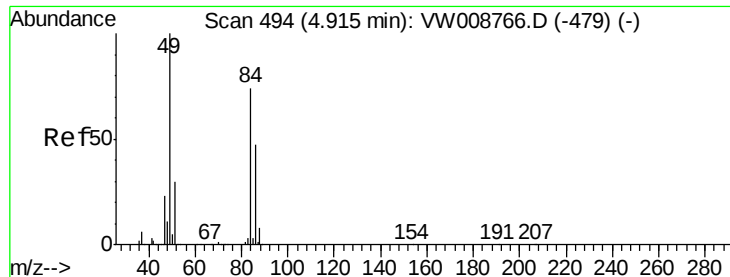
Tgt Ion: 43 Resp: 35404

Ion Ratio Lower Upper

43 100

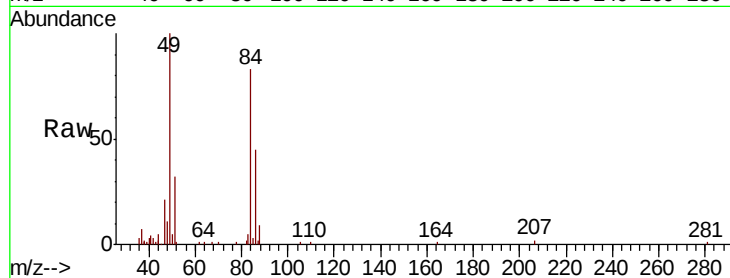
58 24.4 23.8 35.6



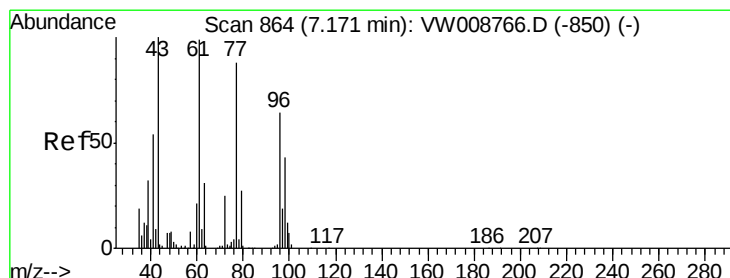
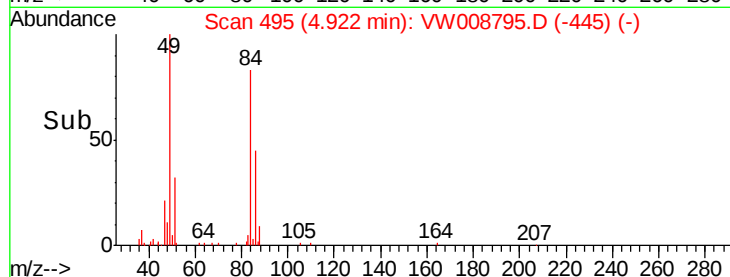
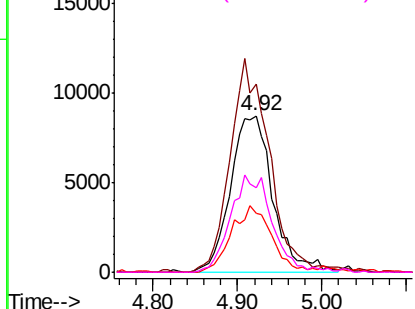


#20
Methylene Chloride
Concen: 2.942 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008795.D
Acq: 22 Feb 2019 17:52

Tgt Ion:	84	Resp:	29853
Ion	Ratio	Lower	Upper
84	100		
49	119.9	108.2	162.2
51	37.8	32.7	49.1
86	54.0	50.3	75.5

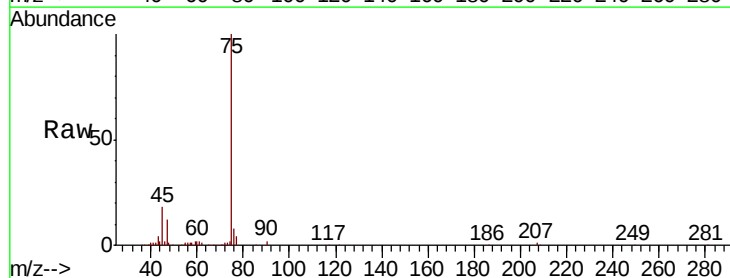


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

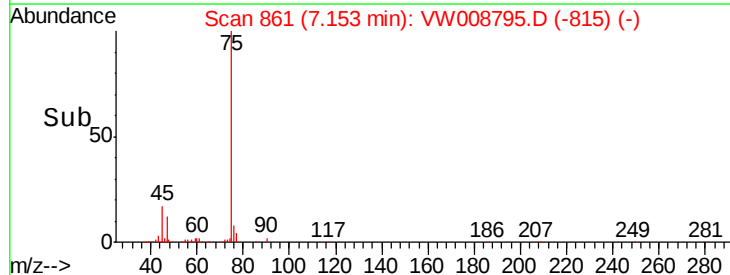
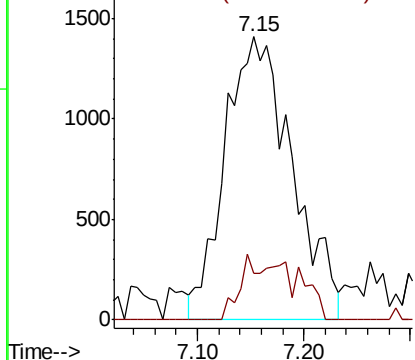


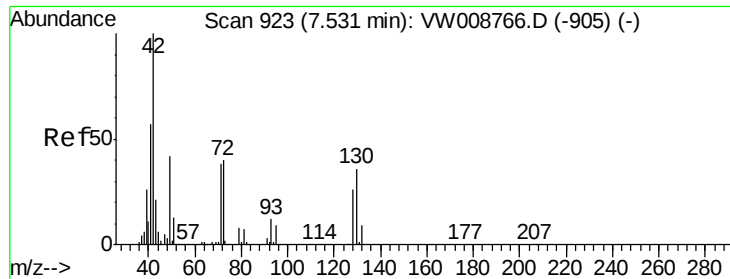
#25
2-Butanone
Concen: 5.696 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008795.D
Acq: 22 Feb 2019 17:52

Tgt Ion:	43	Resp:	6227
Ion	Ratio	Lower	Upper
43	100		
72	18.2	19.7	29.5#



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





#29

Tetrahydrofuran

Concen: 3.276 ug/l

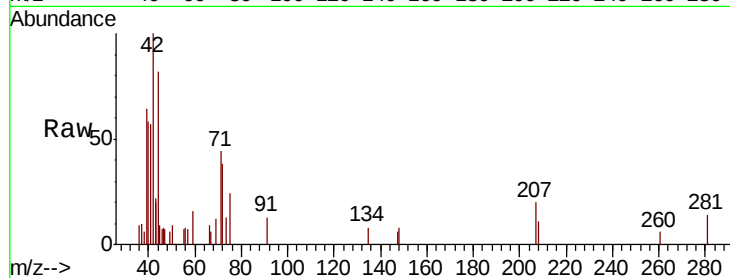
RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

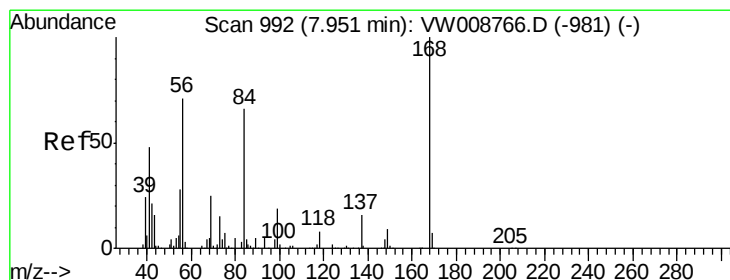
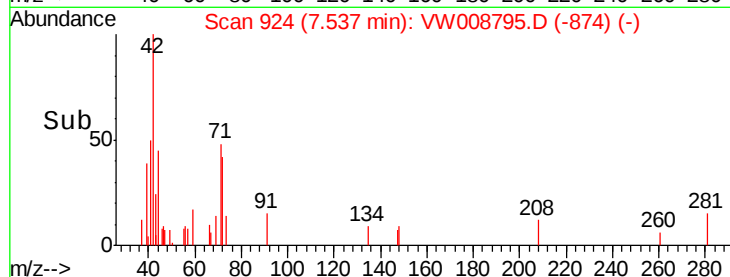
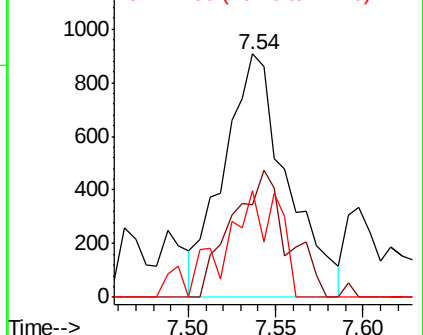
Lab File: VW008795.D

Acq: 22 Feb 2019 17:52

Tgt Ion:	42	Resp:	2282
Ion	Ratio	Lower	Upper
42	100		
72	46.1	32.7	49.1
71	39.5	31.3	46.9



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



#31

Cyclohexane

Concen: 1.355 ug/l

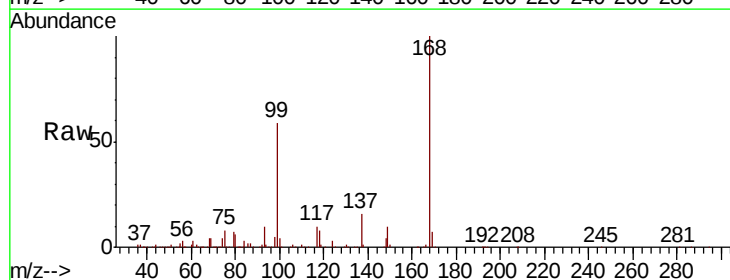
RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

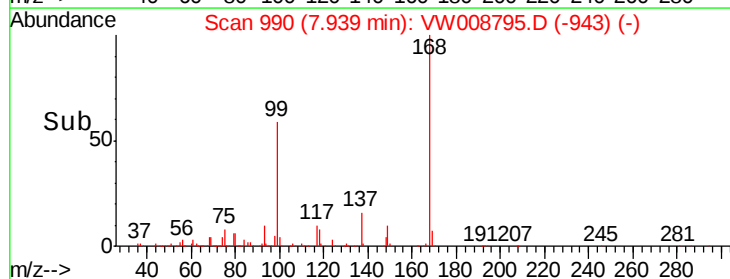
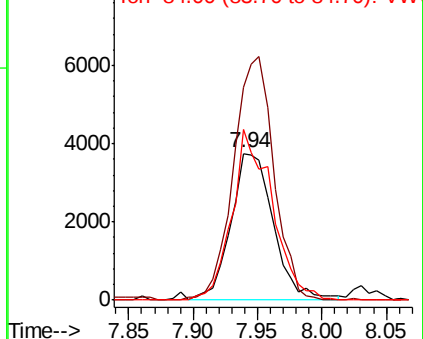
Lab File: VW008795.D

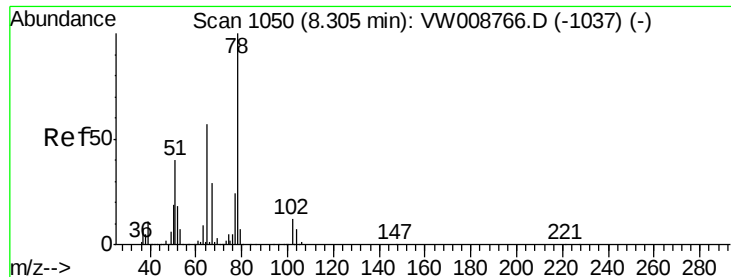
Acq: 22 Feb 2019 17:52

Tgt Ion:	56	Resp:	8615
Ion	Ratio	Lower	Upper
56	100		
69	145.5	28.2	42.4#
84	116.1	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: 58.379 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008795.D

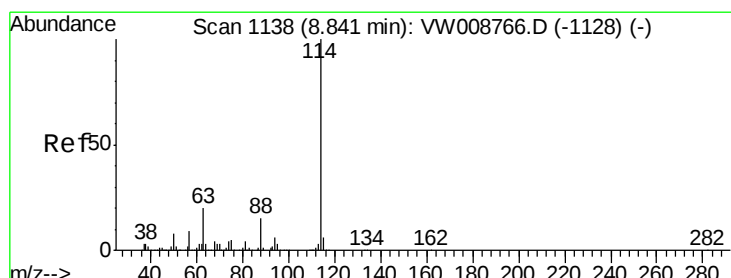
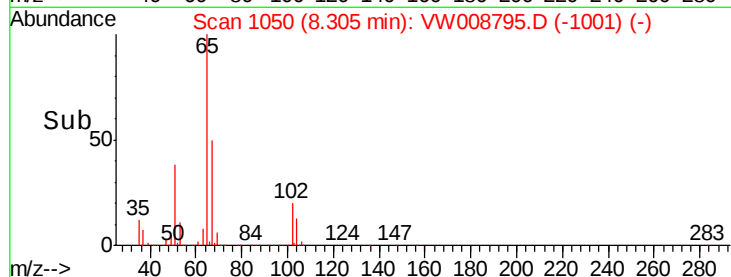
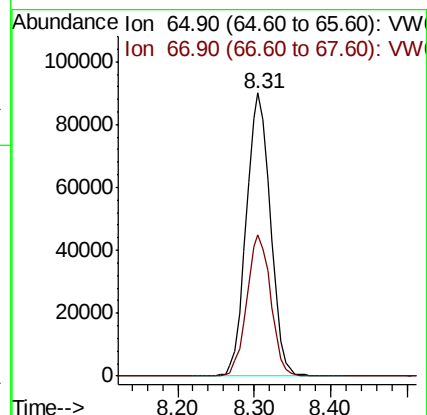
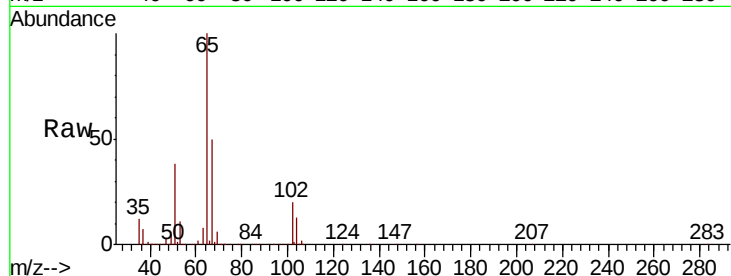
Acq: 22 Feb 2019 17:52

Tgt Ion: 65 Resp: 196929

Ion Ratio Lower Upper

65 100

67 49.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008795.D

Acq: 22 Feb 2019 17:52

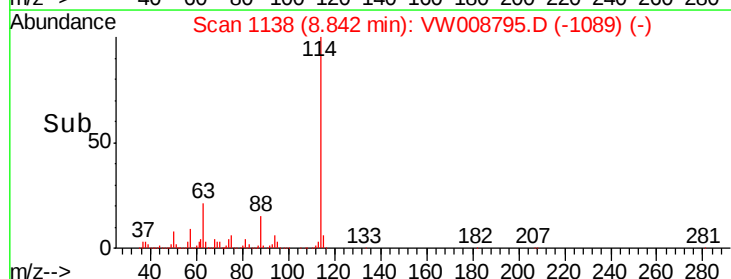
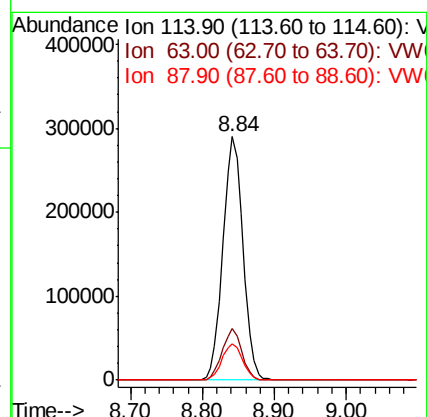
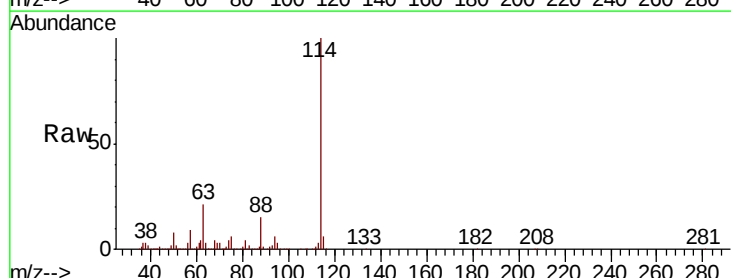
Tgt Ion: 114 Resp: 561930

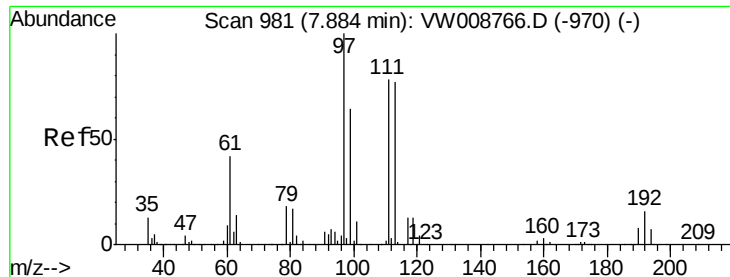
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.356 ug/l

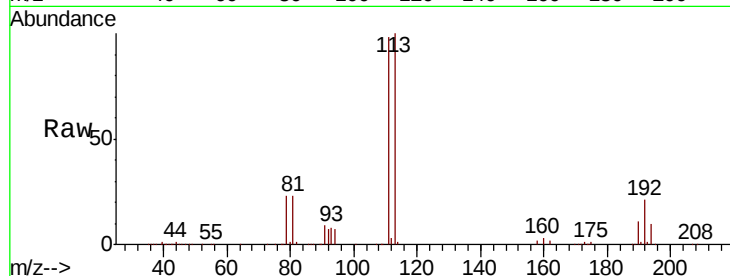
RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

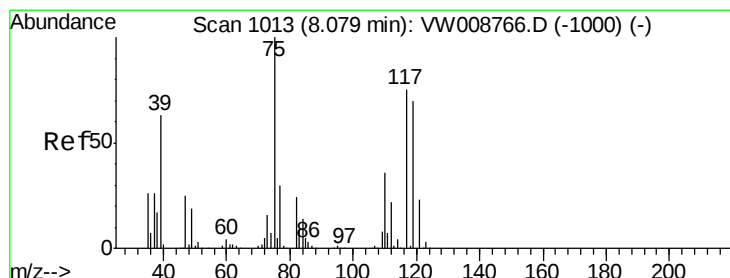
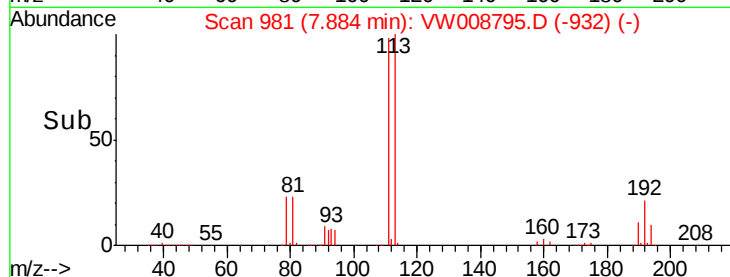
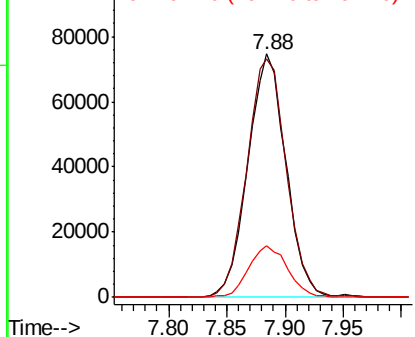
Lab File: VW008795.D

Acq: 22 Feb 2019 17:52

Tgt Ion:	113	Resp:	169897
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	21.8	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: 5.043 ug/l

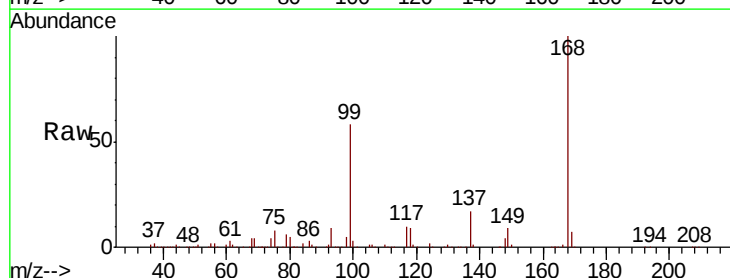
RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

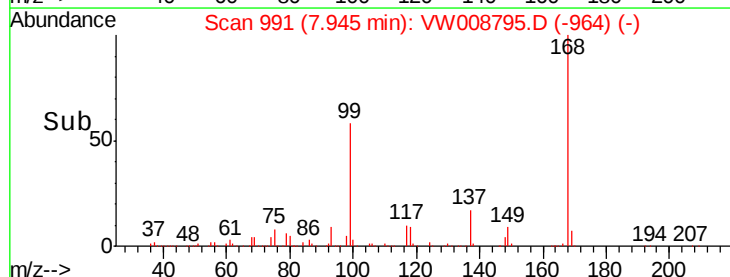
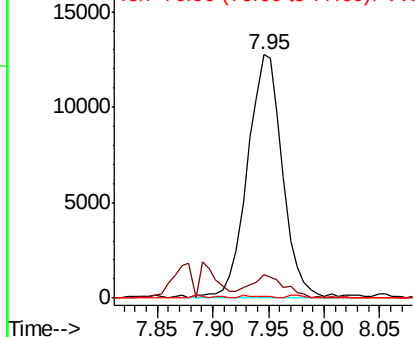
Lab File: VW008795.D

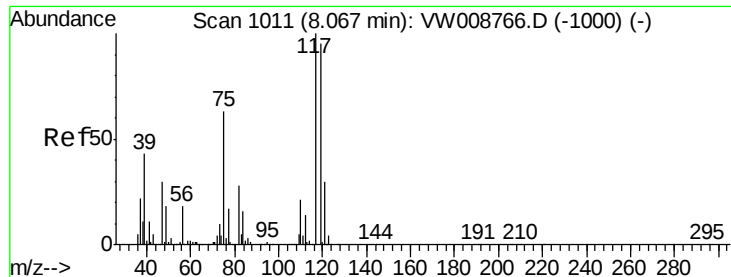
Acq: 22 Feb 2019 17:52

Tgt Ion:	75	Resp:	27587
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.5	52.6#
77	0.5	24.5	36.7#



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: 6.244 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008795.D

Acq: 22 Feb 2019 17:52

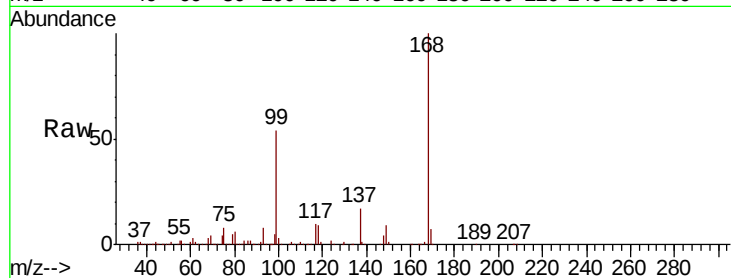
Tgt Ion: 117 Resp: 36022

Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

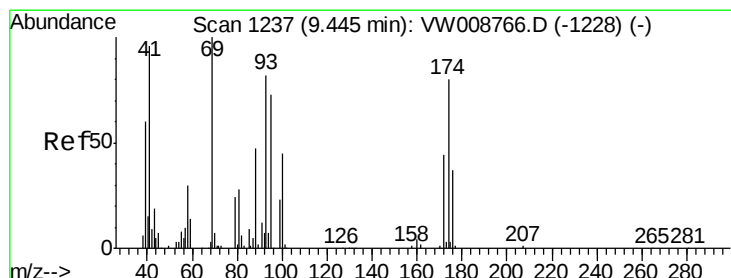
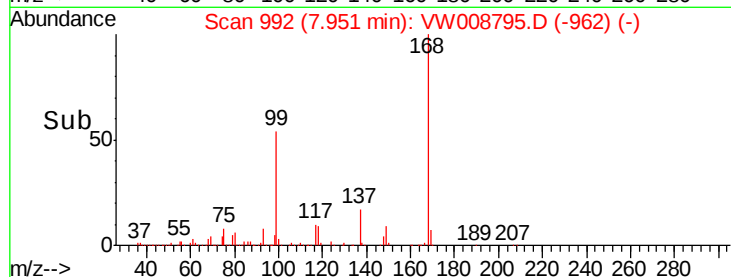
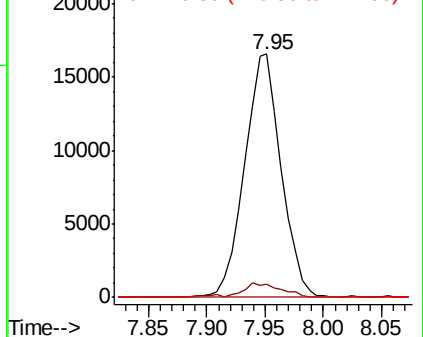
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 2.768 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008795.D

Acq: 22 Feb 2019 17:52

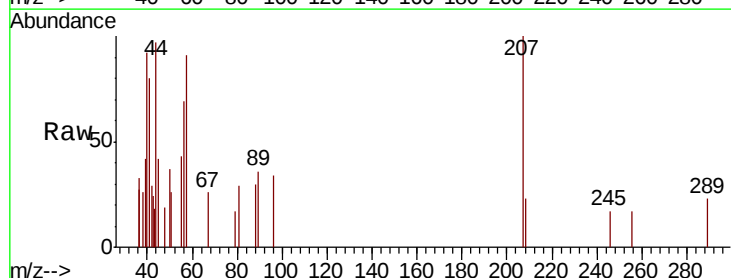
Tgt Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

43 341.8 29.0 43.4#

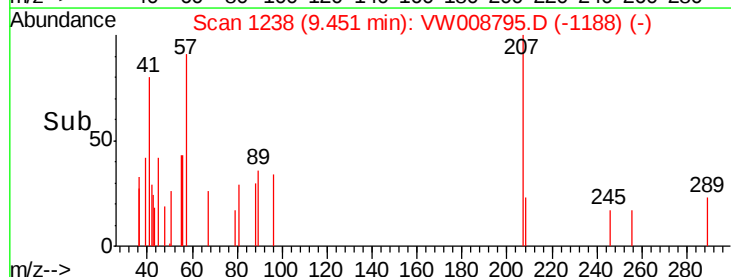
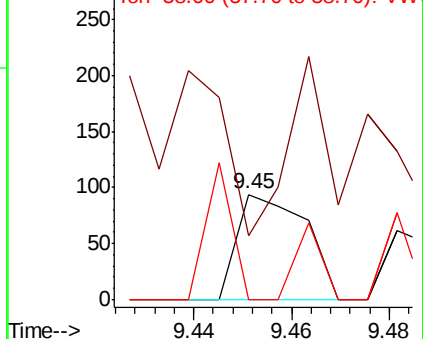
58 49.5 52.0 78.0#

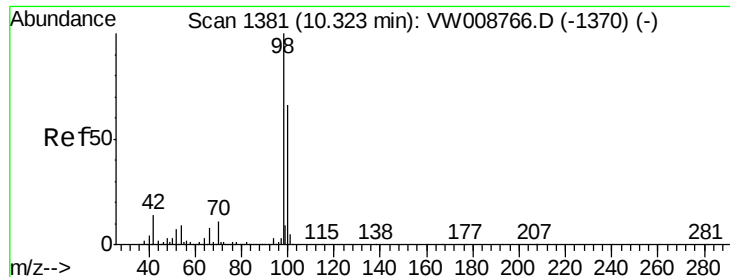


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 50.442 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008795.D

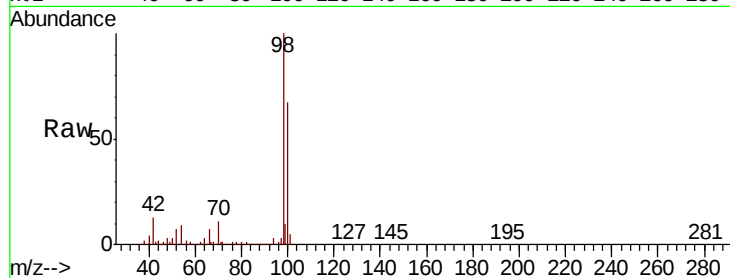
Acq: 22 Feb 2019 17:52

Tgt Ion: 98 Resp: 656971

Ion Ratio Lower Upper

98 100

100 67.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

400000

300000

200000

100000

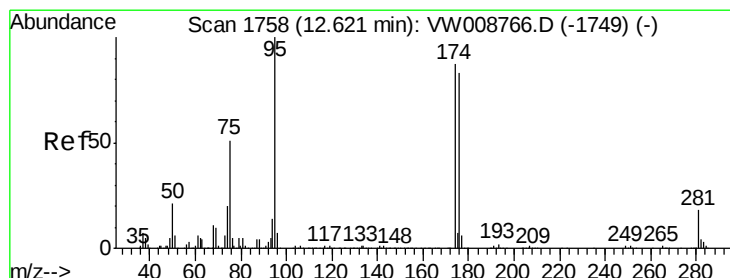
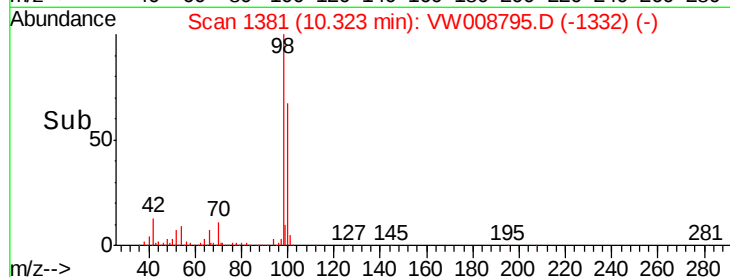
0

10.20

10.30

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 42.729 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008795.D

Acq: 22 Feb 2019 17:52

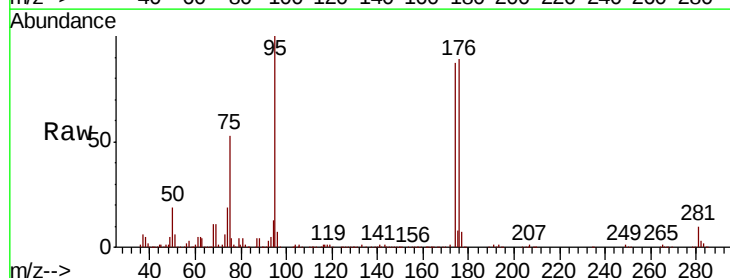
Tgt Ion: 95 Resp: 217900

Ion Ratio Lower Upper

95 100

174 88.0 0.0 169.2

176 84.6 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

100000

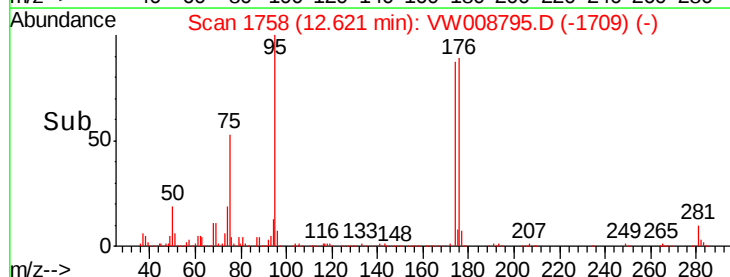
50000

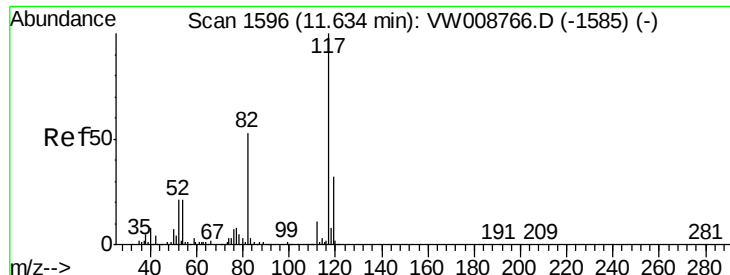
0

12.60

12.70

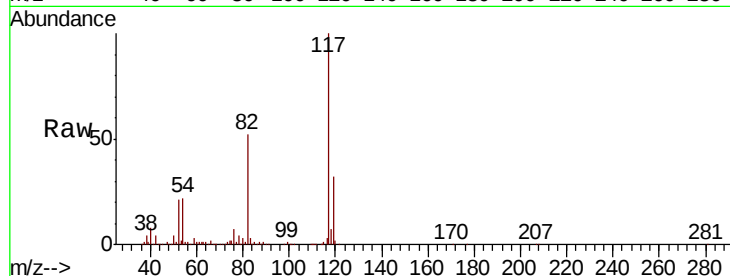
Time-->





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008795.D
Acq: 22 Feb 2019 17:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.2	63.4
119	31.5	25.9	38.9

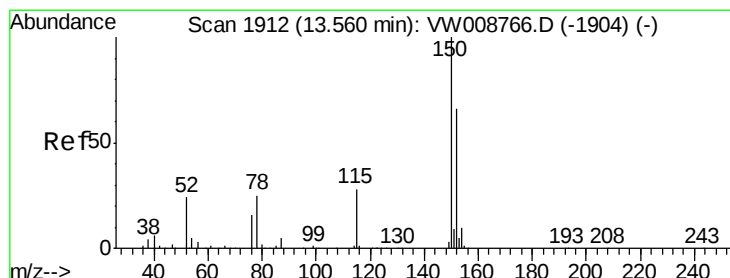
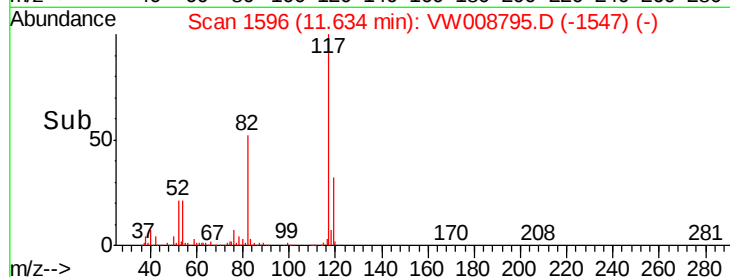
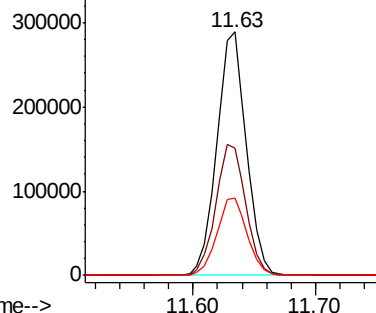


Abundance

Ion 116.90 (116.60 to 117.60): V

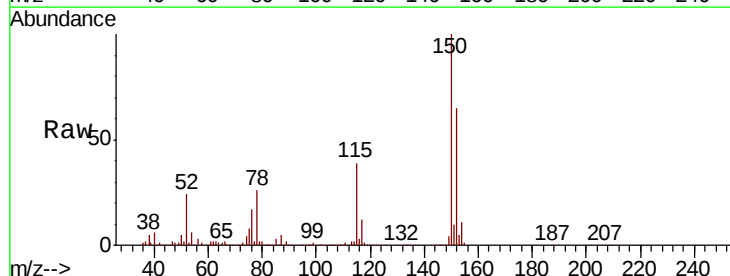
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008795.D
Acq: 22 Feb 2019 17:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.6	85.8
150	158.5	0.0	348.0

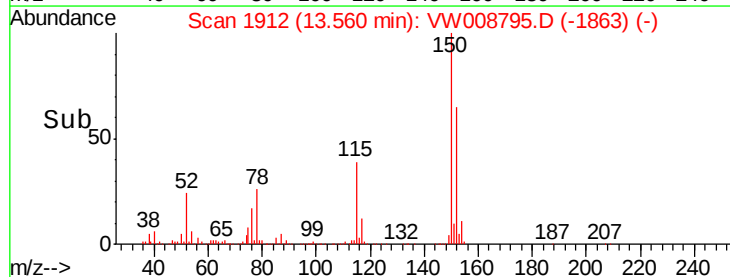
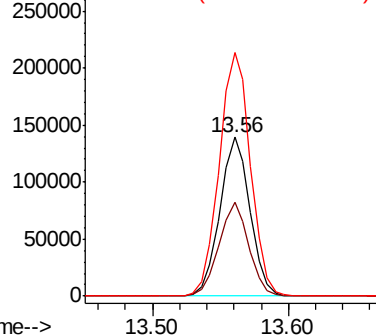


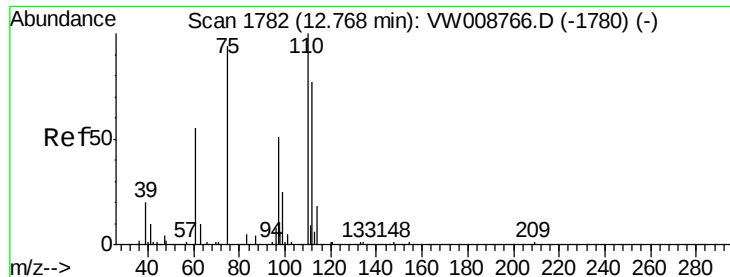
Abundance

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

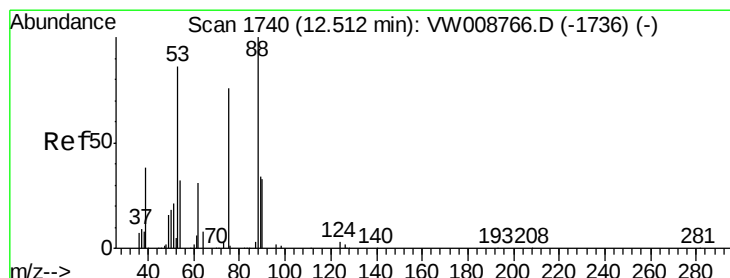
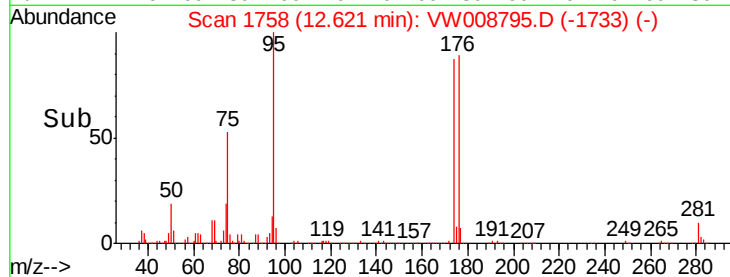
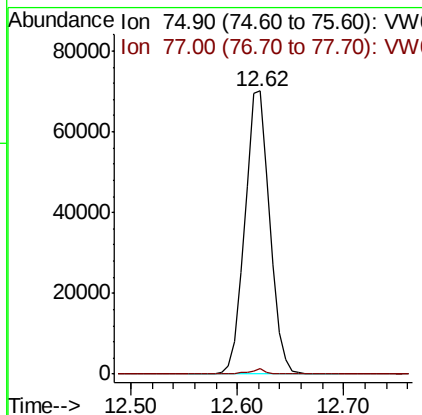
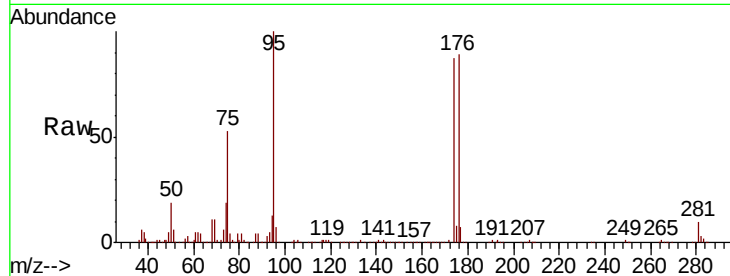




#76

1,2,3-Trichloropropane
Concen: 64.468 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008795.D
Acq: 22 Feb 2019 17:52

Tgt Ion: 75 Resp: 115308
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 156.727 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW008795.D
Acq: 22 Feb 2019 17:52

Tgt Ion: 75 Resp: 115308
Ion Ratio Lower Upper
75 100
53 0.3 88.2 132.2#
89 0.2 39.5 59.3#

