

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008860.D
 Acq On : 27 Feb 2019 17:42
 Operator : SY/VA
 Sample : K1638-02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:03:49 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	349274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	539609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226250	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	199445	60.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	121.76%	
35) Dibromofluoromethane	7.88	113	162939	50.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.58%	
50) Toluene-d8	10.32	98	639791	51.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.62	95	220306	44.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.98%	

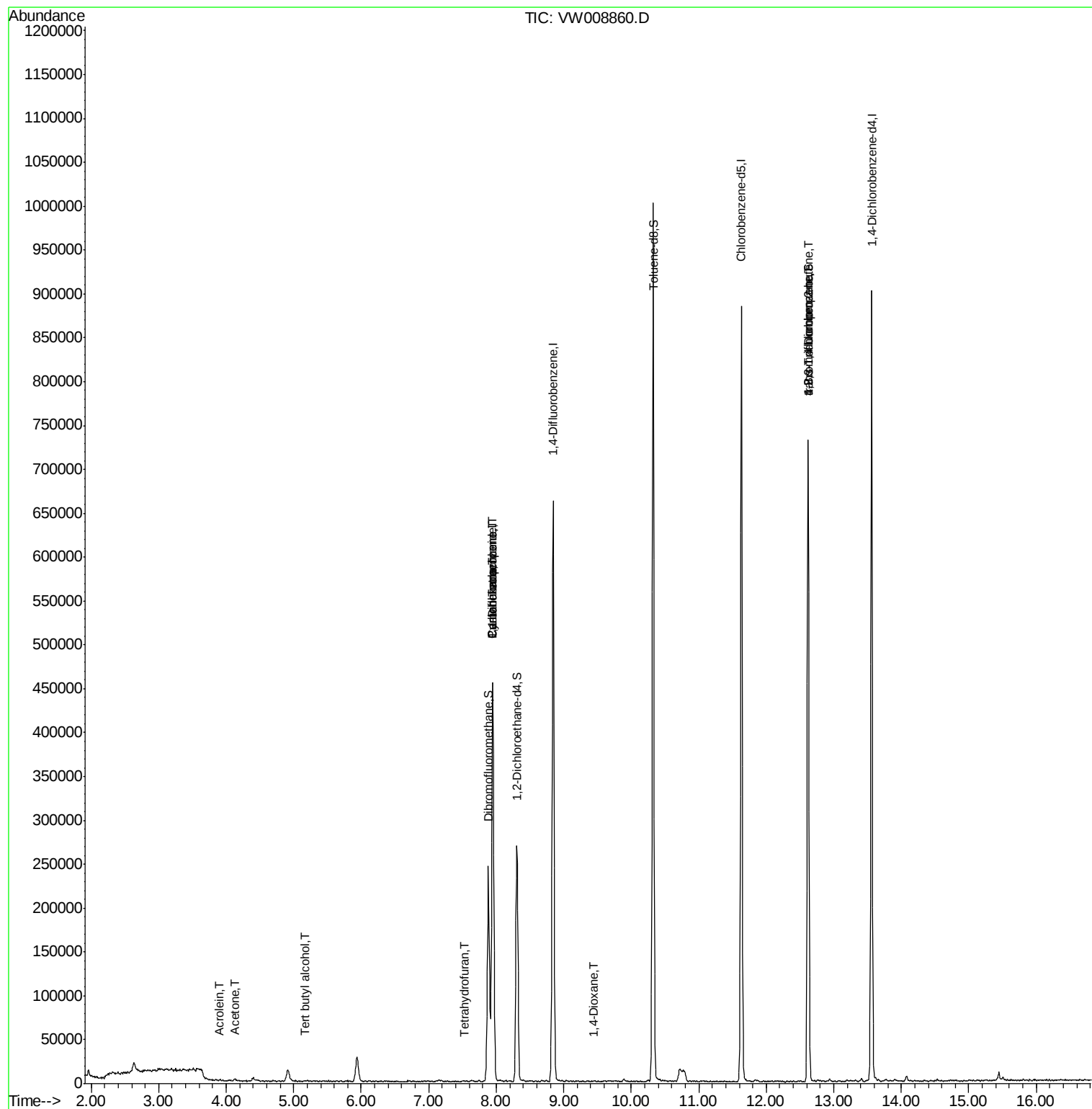
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	463	1.588	ug/l #	70
13) Acrolein	3.89	56	49	19.927	ug/l #	14
16) Acetone	4.14	43	3850	5.070	ug/l	93
20) Methylene Chloride	4.91	84	8845	Below Cal		97
29) Tetrahydrofuran	7.54	42	741	1.095	ug/l #	72
31) Cyclohexane	7.95	56	7748	1.255	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	25861	4.923	ug/l #	51
38) Carbon Tetrachloride	7.95	117	32670	5.898	ug/l #	16
49) 1,4-Dioxane	9.45	88	86	2.724	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	115616	61.893	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	115616	150.467	ug/l #	6

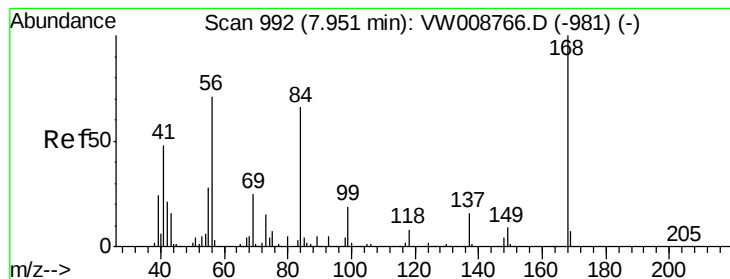
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW008860.D

Acq: 27 Feb 2019 17:42

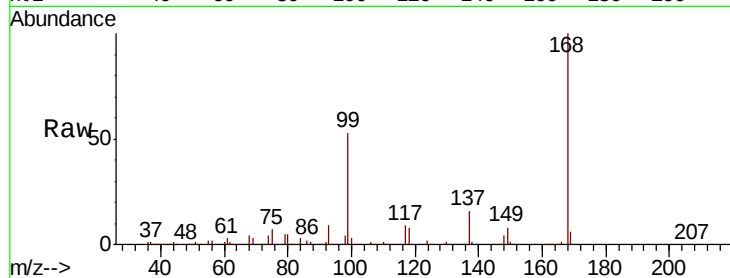
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 349274

Ion Ratio Lower Upper

168 100

99 52.9 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

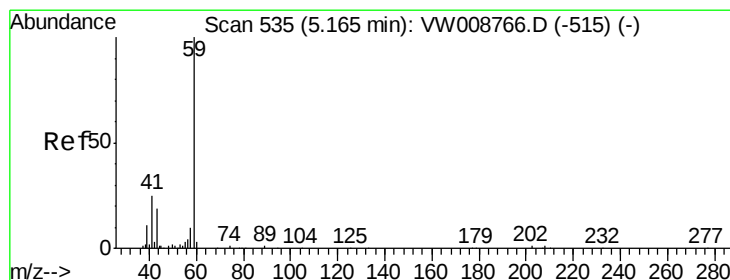
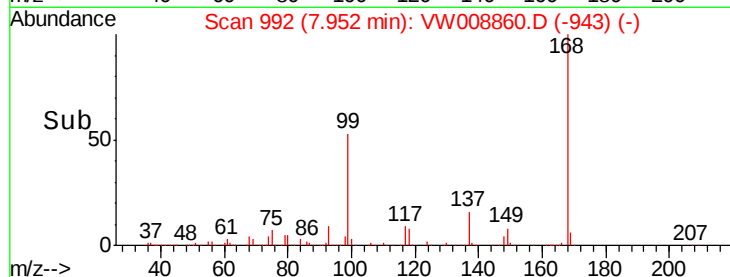
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.588 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW008860.D

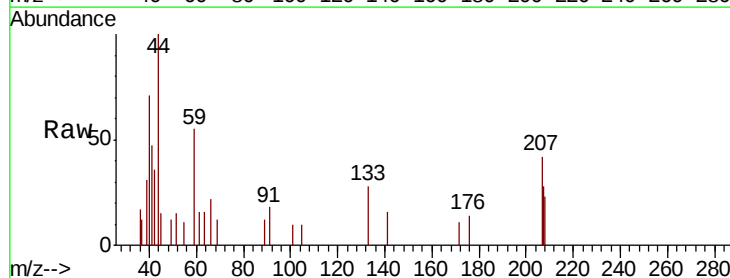
Acq: 27 Feb 2019 17:42

Tgt Ion: 59 Resp: 463

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

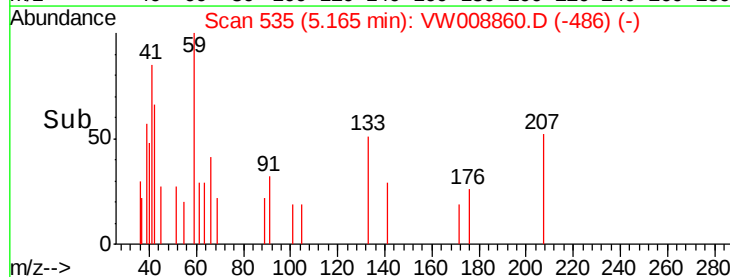
300

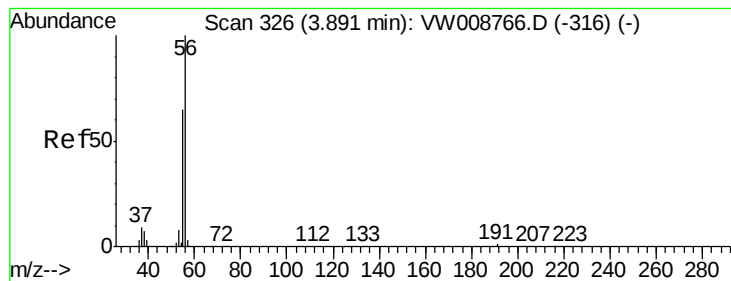
200

100

0

Time-->





#13

Acrolein

Concen: 19.927 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008860.D

Acq: 27 Feb 2019 17:42

Instrument :

MSVOA_W

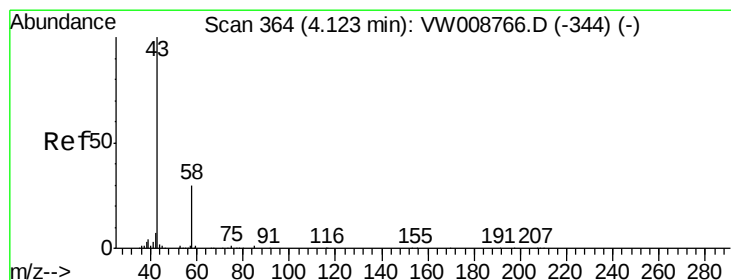
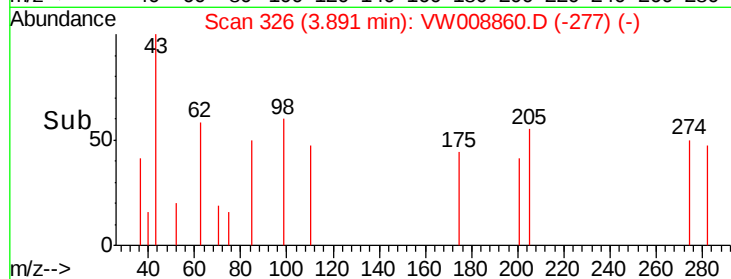
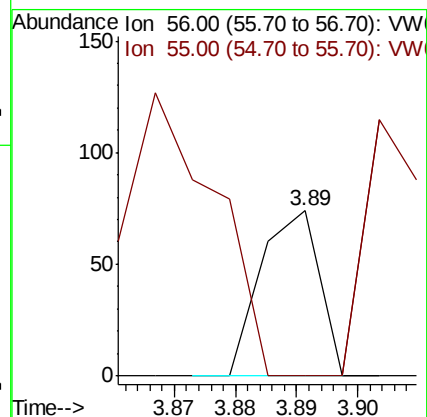
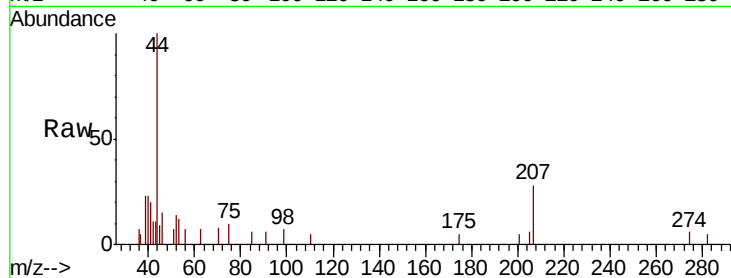
ClientSampled :

Tot Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 5.070 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW008860.D

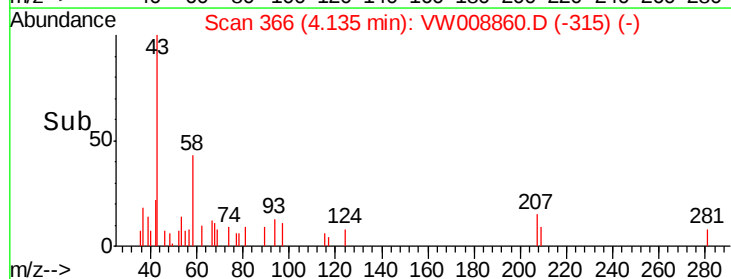
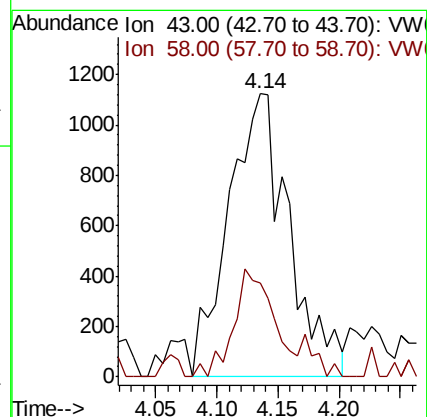
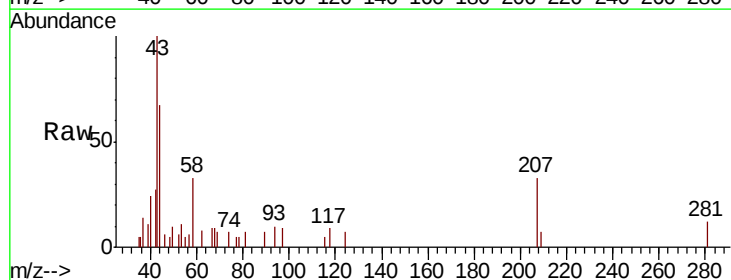
Acq: 27 Feb 2019 17:42

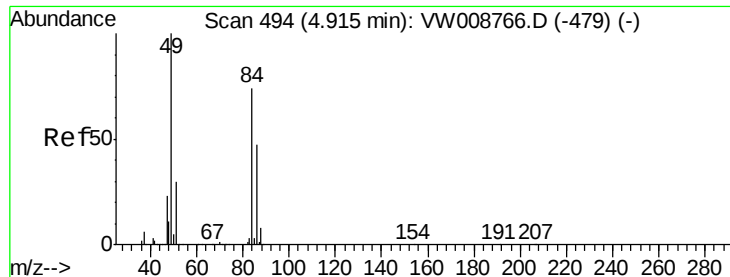
Tgt Ion: 43 Resp: 3850

Ion Ratio Lower Upper

43 100

58 33.2 23.8 35.6

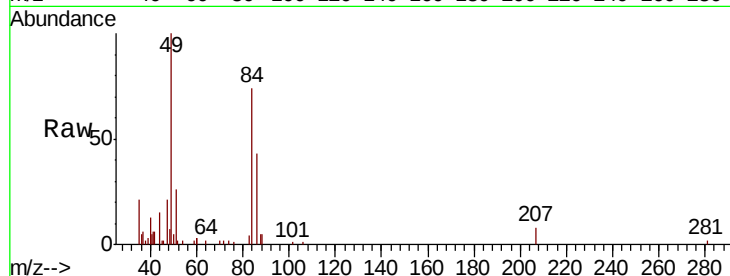




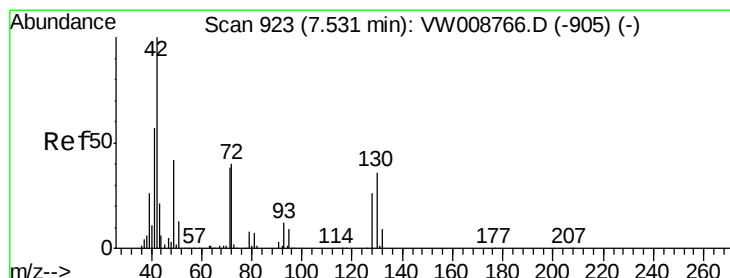
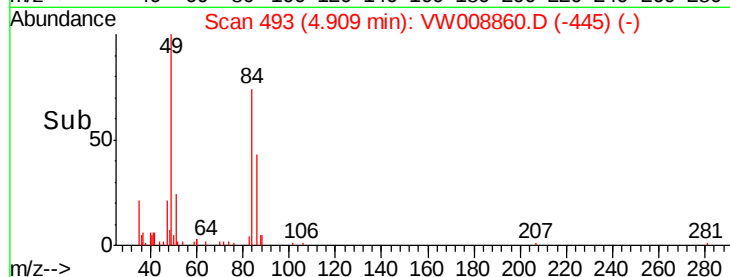
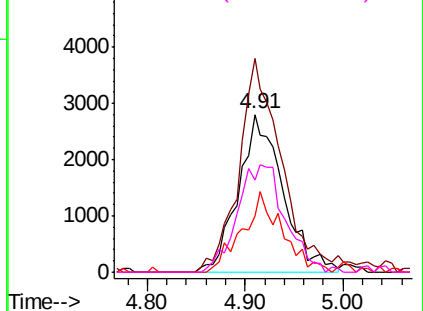
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008860.D
Acq: 27 Feb 2019 17:42

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	84	Resp:	8845
Ion	Ratio	Lower	Upper
84	100		
49	135.2	108.2	162.2
51	35.8	32.7	49.1
86	58.7	50.3	75.5

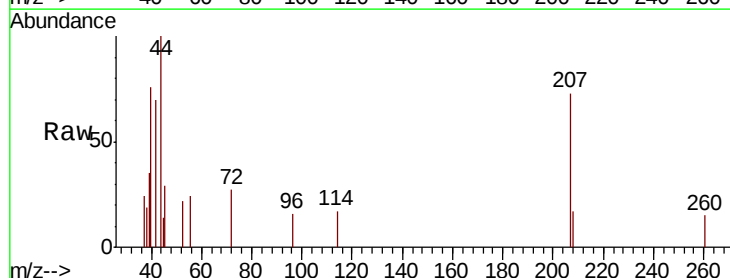


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

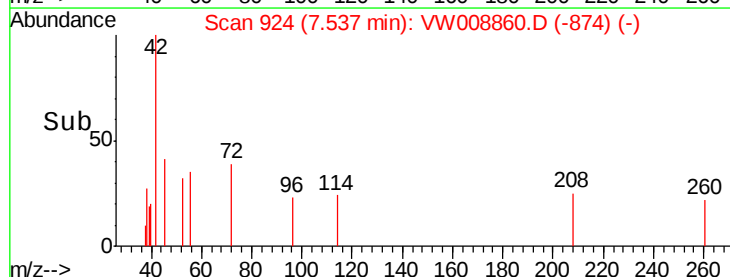
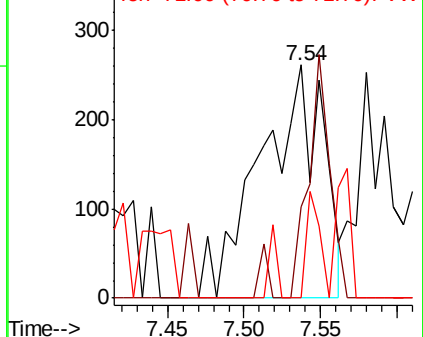


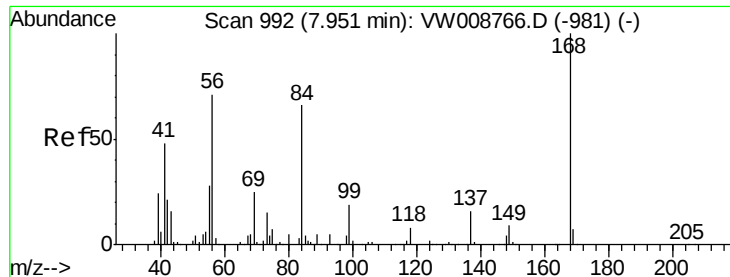
#29
Tetrahydrofuran
Concen: 1.095 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008860.D
Acq: 27 Feb 2019 17:42

Tgt Ion:	42	Resp:	741
Ion	Ratio	Lower	Upper
42	100		
72	35.5	32.7	49.1
71	9.9	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

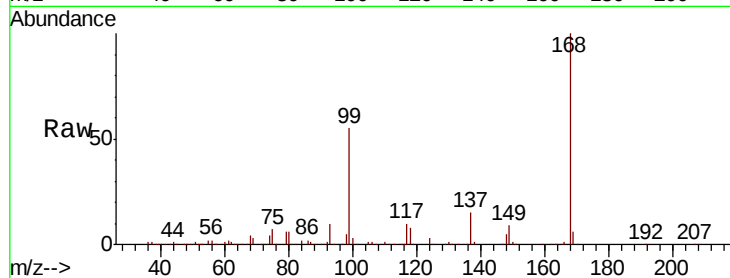




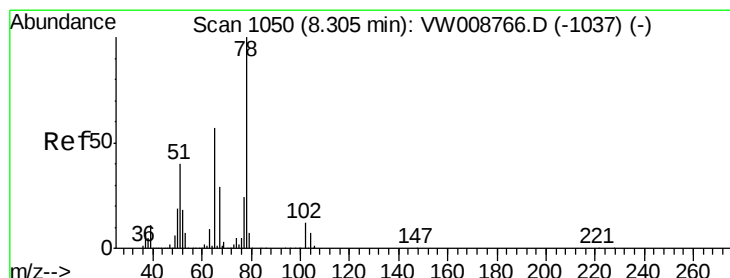
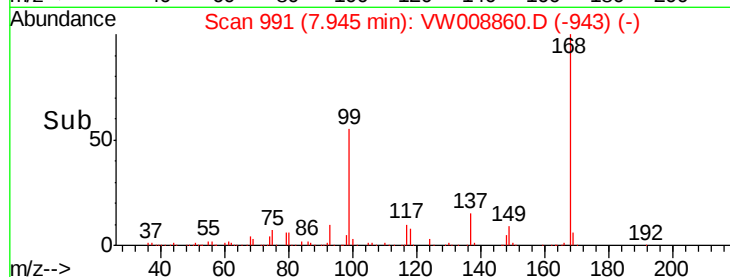
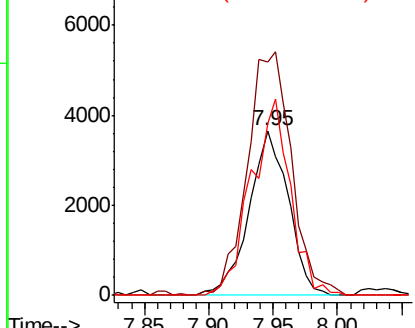
#31
Cyclohexane
Concen: 1.255 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008860.D
Acq: 27 Feb 2019 17:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 7748
Ion Ratio Lower Upper
56 100
69 141.5 28.2 42.4#
84 104.7 74.1 111.1

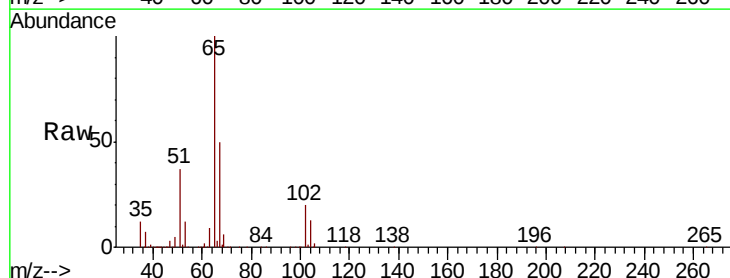


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

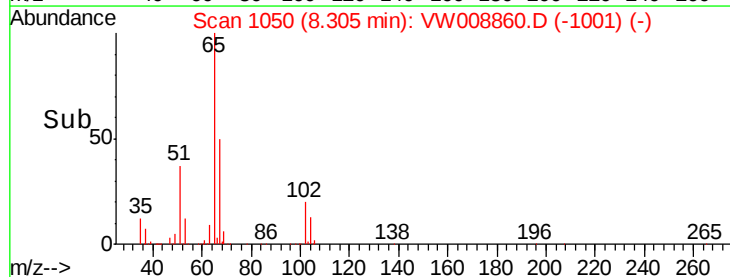
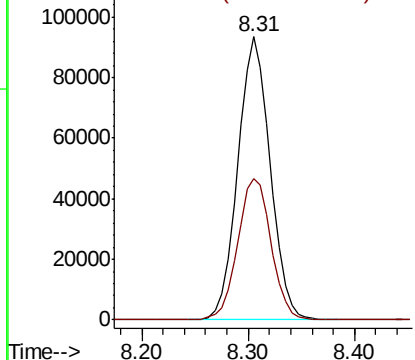


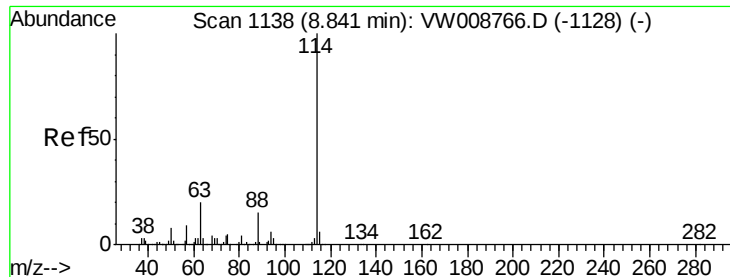
#33
1,2-Dichloroethane-d4
Concen: 60.883 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008860.D
Acq: 27 Feb 2019 17:42

Tgt Ion: 65 Resp: 199445
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.4



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

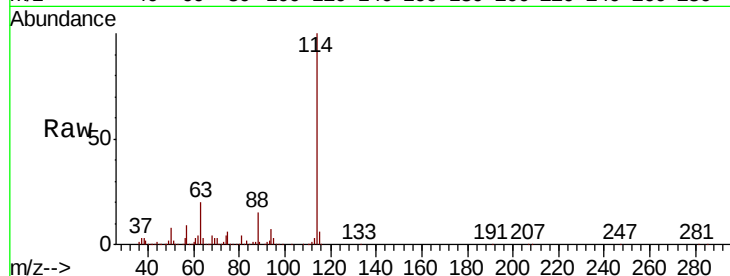




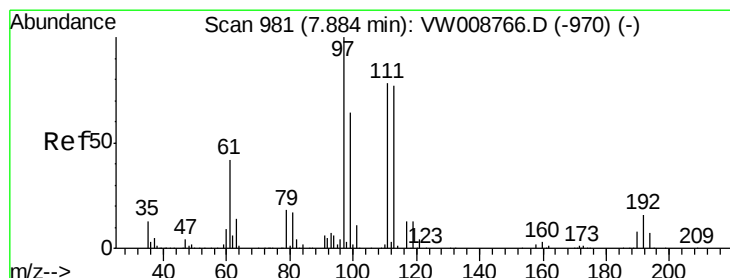
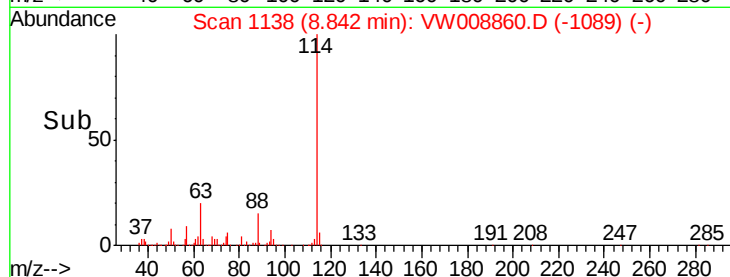
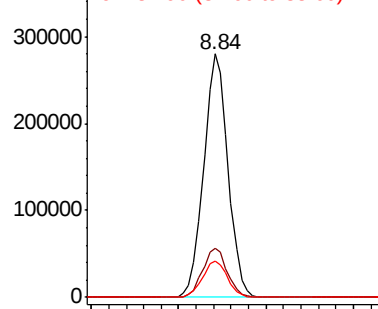
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008860.D
Acq: 27 Feb 2019 17:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	15.1	0.0	30.4

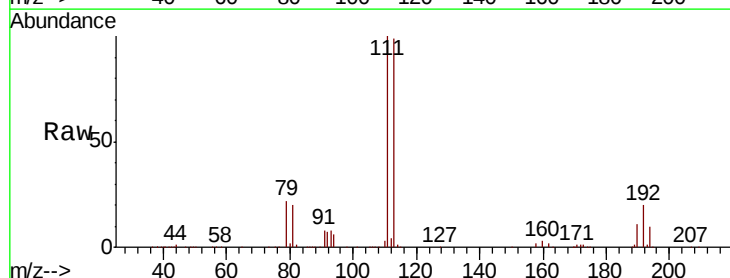


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

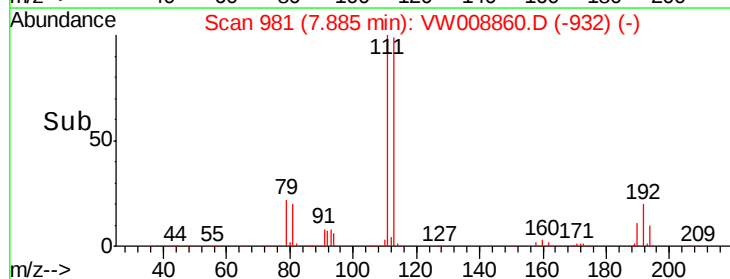
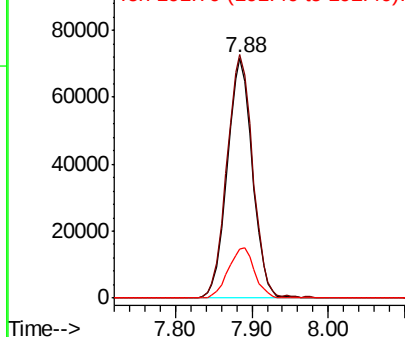


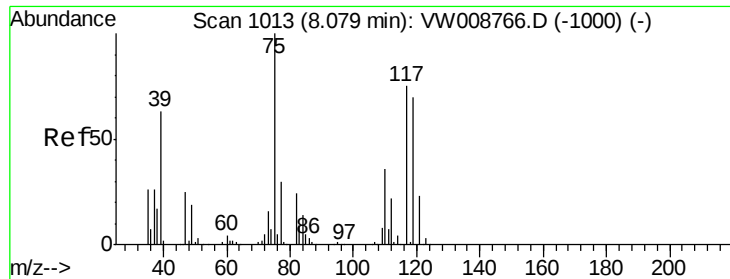
#35
Dibromofluoromethane
Concen: 50.292 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008860.D
Acq: 27 Feb 2019 17:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.9	122.9
192	21.9	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

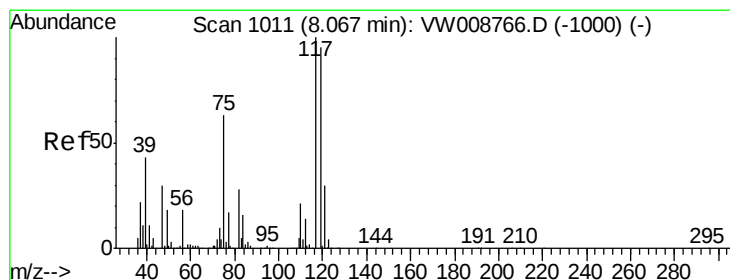
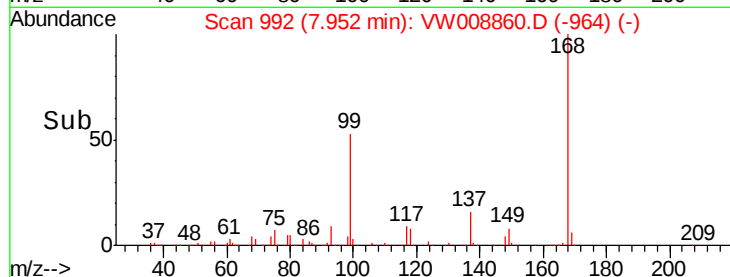
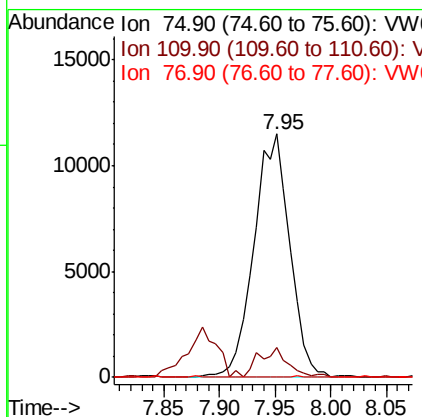
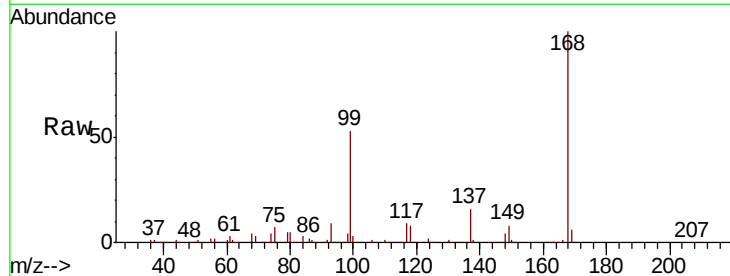




#36
 1,1-Dichloropropene
 Concen: 4.923 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008860.D
 Acq: 27 Feb 2019 17:42

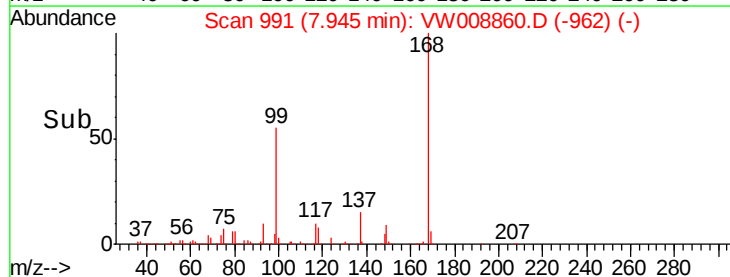
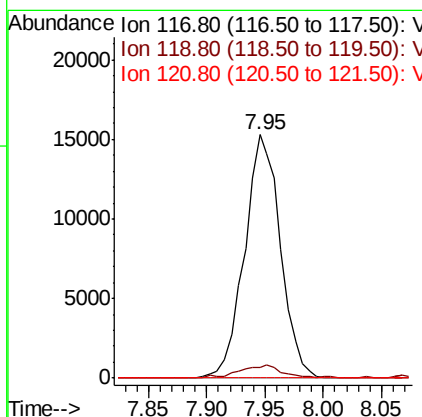
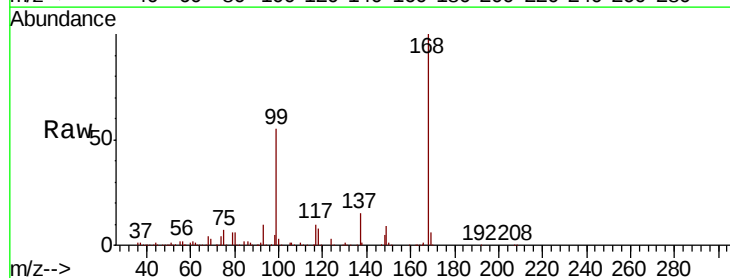
Instrument :
 MSVOA_W
 ClientSampleId :

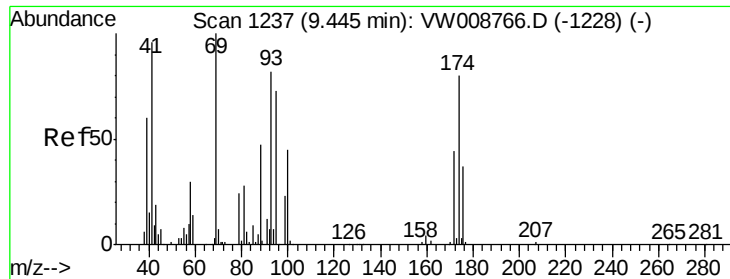
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.5	52.6#
77	0.1	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 5.898 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008860.D
 Acq: 27 Feb 2019 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.1	114.1#
121	0.0	24.0	36.0#

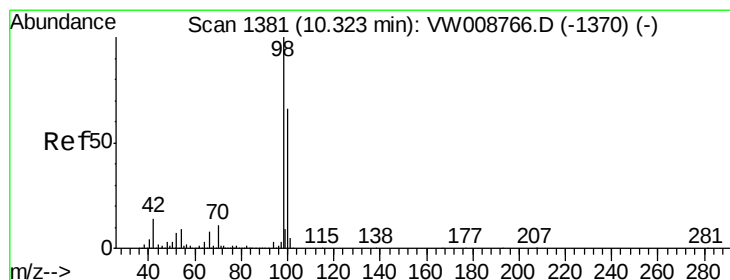
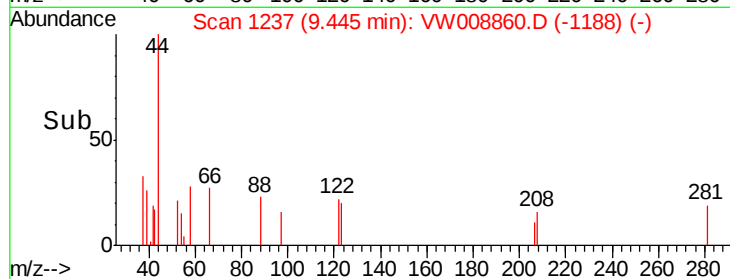
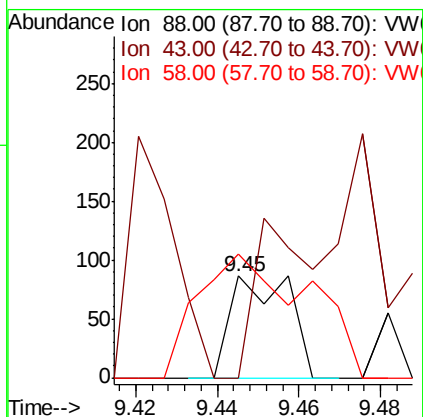
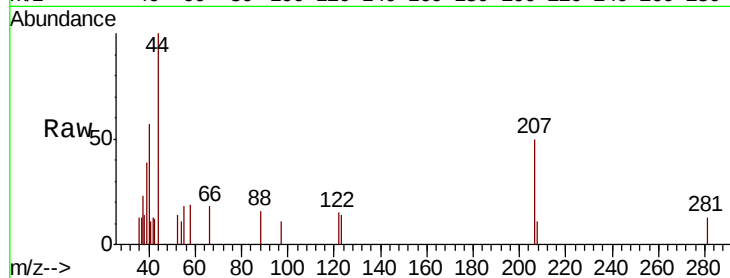




#49
 1,4-Dioxane
 Concen: 2.724 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW008860.D
 Acq: 27 Feb 2019 17:42

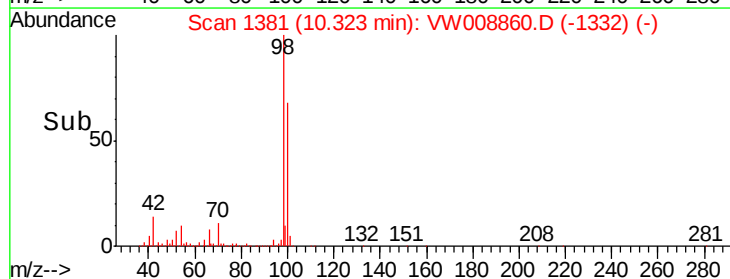
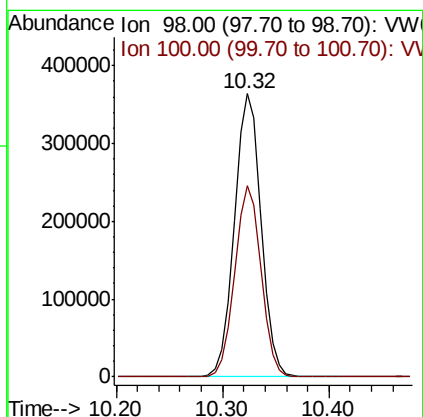
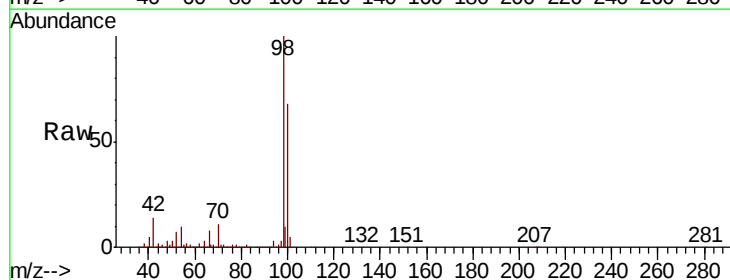
Instrument :
 MSVOA_W
 ClientSampled :

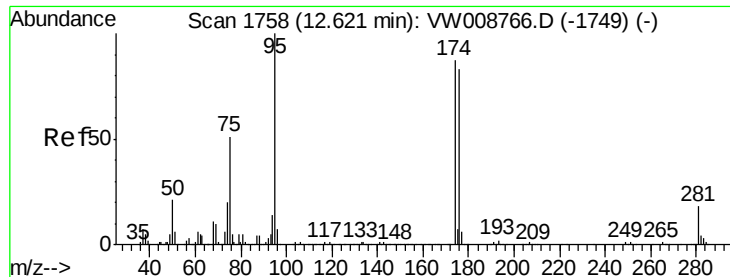
Tot Ion: 88 Resp: 86
 Ion Ratio Lower Upper
 88 100
 43 0.0 29.0 43.4#
 58 227.9 52.0 78.0#



#50
 Toluene-d8
 Concen: 51.155 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW008860.D
 Acq: 27 Feb 2019 17:42

Tgt Ion: 98 Resp: 639791
 Ion Ratio Lower Upper
 98 100
 100 66.6 52.4 78.6

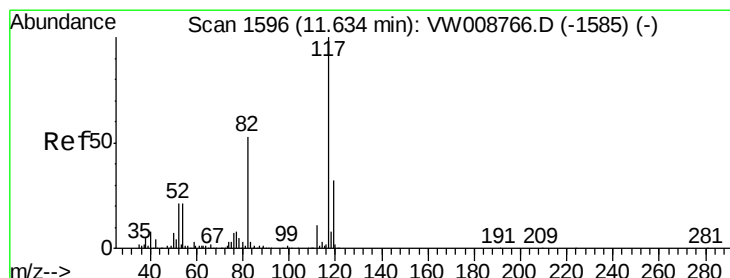
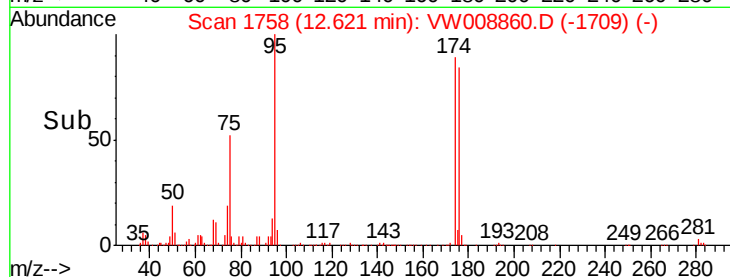
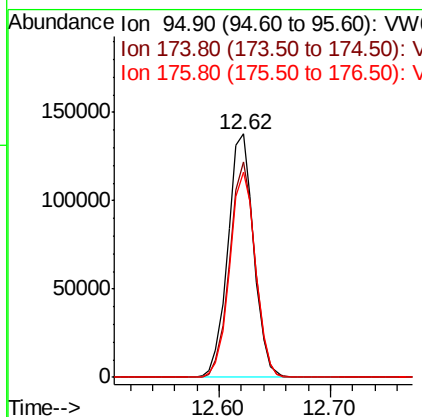
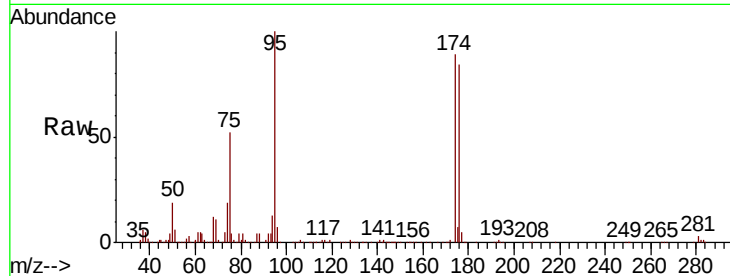




#62
4-Bromofluorobenzene
Concen: 44.988 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008860.D
Acq: 27 Feb 2019 17:42

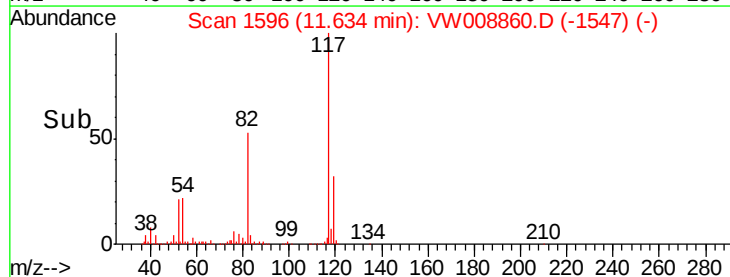
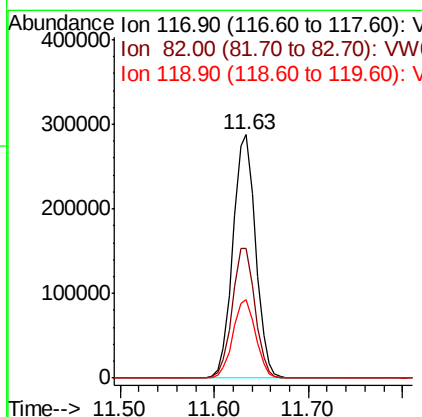
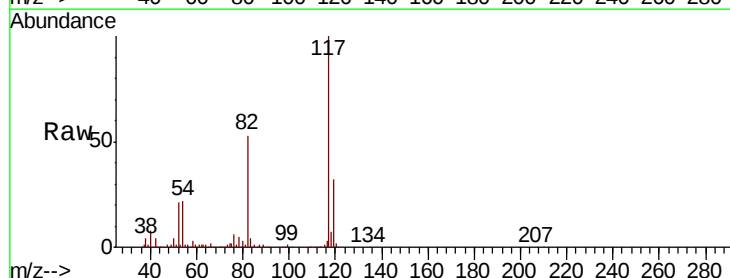
Instrument :
MSVOA_W
ClientSampleId :

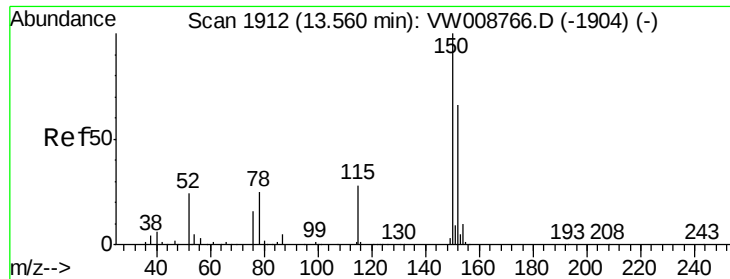
Tot Ion: 95 Resp: 220306
Ion Ratio Lower Upper
95 100
174 87.4 0.0 169.2
176 84.5 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008860.D
Acq: 27 Feb 2019 17:42

Tgt Ion: 117 Resp: 480972
Ion Ratio Lower Upper
117 100
82 53.5 42.2 63.4
119 32.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008860.D

Acq: 27 Feb 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

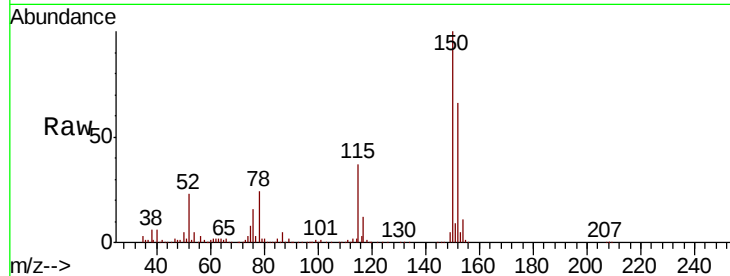
Tot Ion:152 Resp: 226250

Ion Ratio Lower Upper

152 100

115 57.6 28.6 85.8

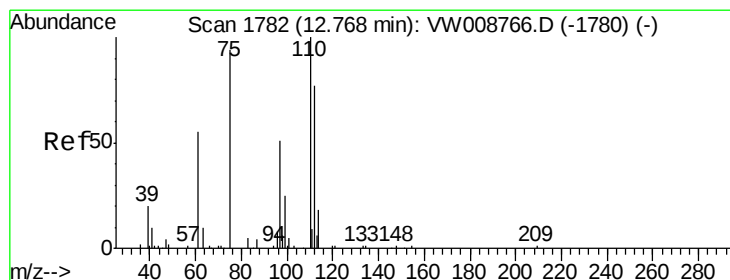
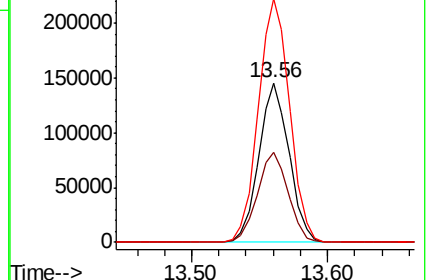
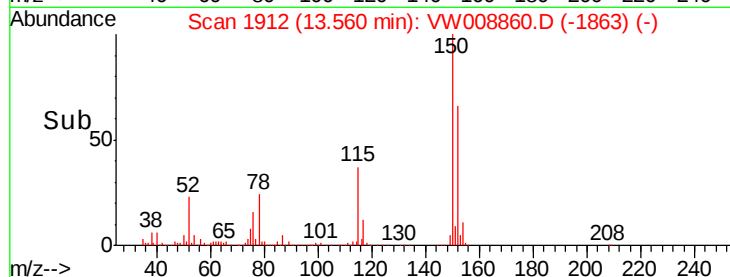
150 157.8 0.0 348.0



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: 61.893 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008860.D

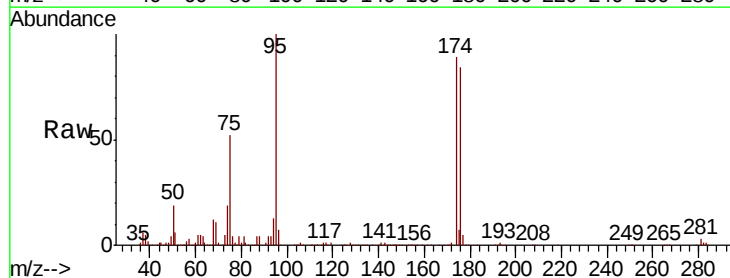
Acq: 27 Feb 2019 17:42

Tgt Ion: 75 Resp: 115616

Ion Ratio Lower Upper

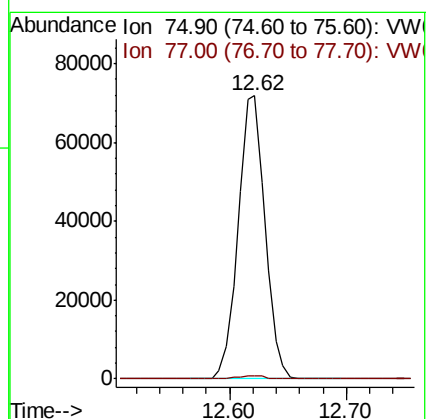
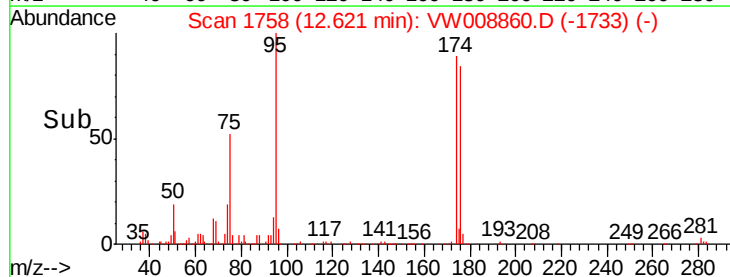
75 100

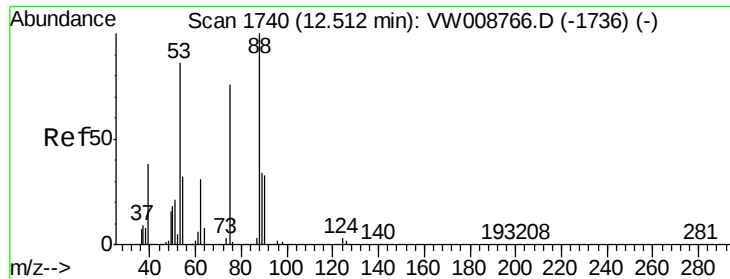
77 1.3 0.0 0.0#



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: 150.467 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008860.D

Acq: 27 Feb 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

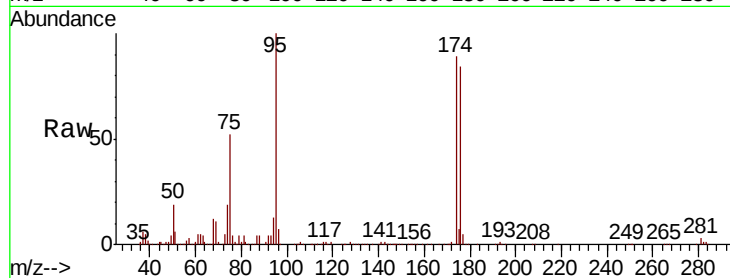
Tot Ion: 75 Resp: 115616

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

89 0.0 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

