

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008870.D
 Acq On : 27 Feb 2019 22:10
 Operator : SY/VA
 Sample : K1350-15RE
 Misc : 7.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:06:49 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	331094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	517314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	446228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181871	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	178818	57.58	ug/l	0.00
Spiked Amount						
			Recovery	=	115.16%	
35) Dibromofluoromethane	7.88	113	161022	51.84	ug/l	0.00
Spiked Amount						
			Recovery	=	103.68%	
50) Toluene-d8	10.32	98	602137	50.22	ug/l	0.00
Spiked Amount						
			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.62	95	197591	42.09	ug/l	0.00
Spiked Amount						
			Recovery	=	84.18%	

Target Compounds

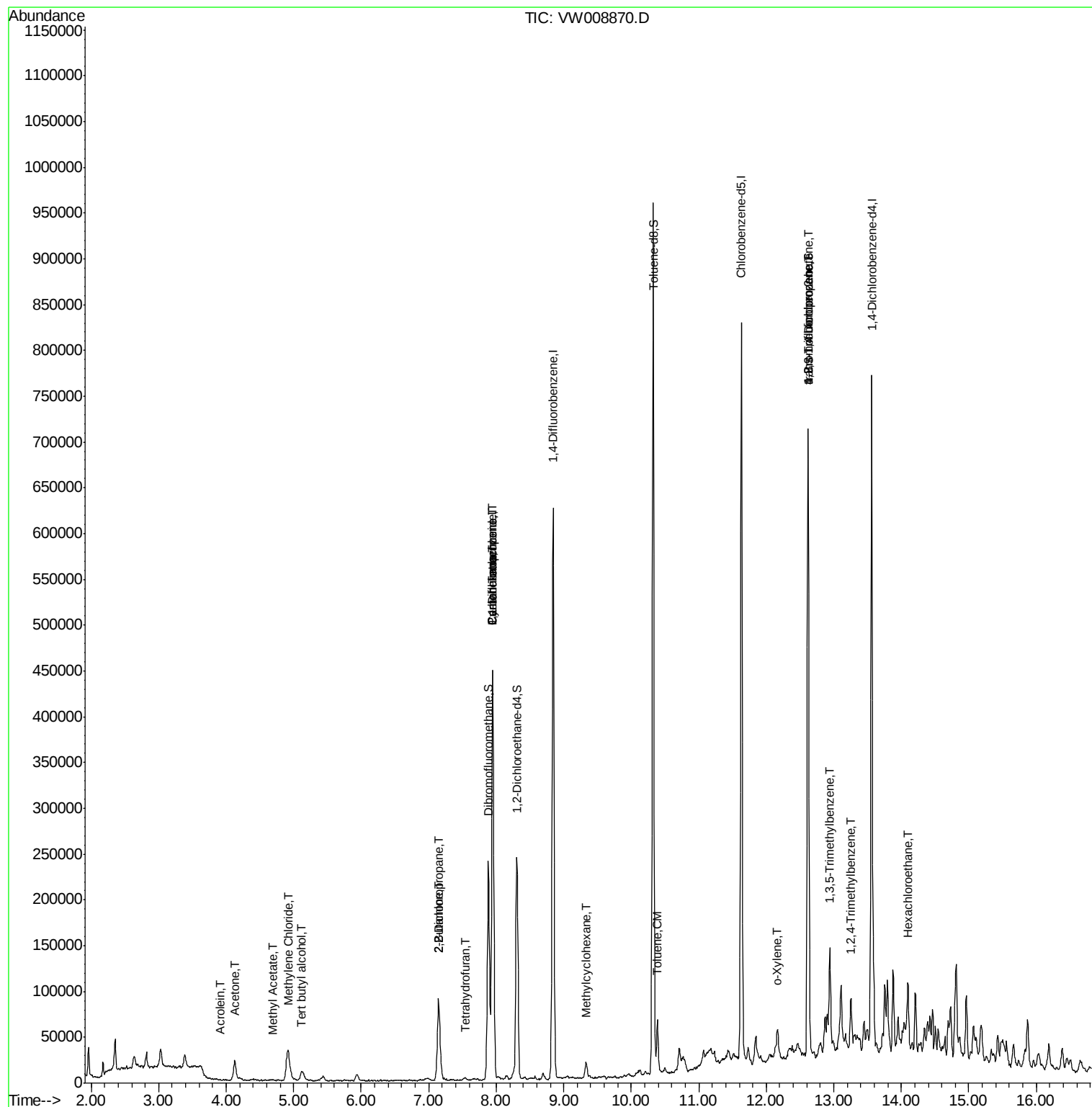
						Qvalue
11) Tert butyl alcohol	5.12	59	4792	17.333	ug/l #	76
13) Acrolein	3.92	56	341	20.857	ug/l #	65
16) Acetone	4.13	43	36748	51.053	ug/l	93
18) Methyl Acetate	4.68	43	1891	1.108	ug/l #	84
20) Methylene Chloride	4.91	84	24711	2.072	ug/l	88
25) 2-Butanone	7.15	43	5141	5.109	ug/l #	73
26) 2,2-Dichloropropane	7.15	77	6900	1.314	ug/l #	54
29) Tetrahydrofuran	7.54	42	1760	2.744	ug/l #	71
31) Cyclohexane	7.95	56	10908	1.863	ug/l #	38
36) 1,1-Dichloropropene	7.94	75	25143	4.993	ug/l #	52
38) Carbon Tetrachloride	7.95	117	32906	6.196	ug/l #	17
39) Methylcyclohexane	9.34	83	6348	1.011	ug/l	86
52) Toluene	10.38	92	22721	2.435	ug/l	90
69) o-Xylene	12.17	106	8097	1.287	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	104264	69.436	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	39318	3.629	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	104264	168.804	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.26	105	31513	2.810	ug/l	97
90) Hexachloroethane	14.10	117	3199	1.582	ug/l #	9

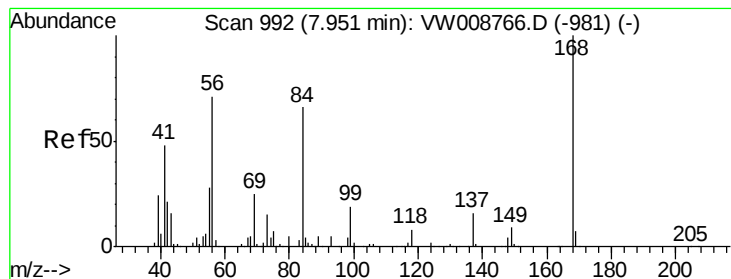
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008870.D

Acq: 27 Feb 2019 22:10

Instrument :

MSVOA_W

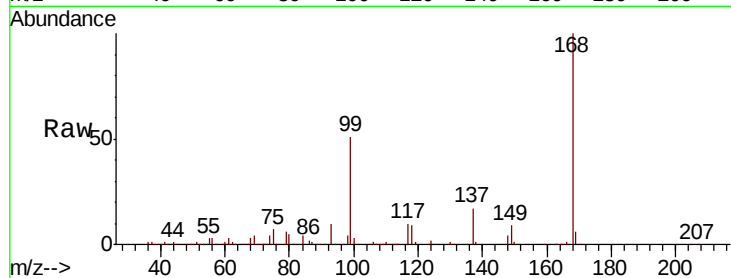
ClientSampled :

Tot Ion:168 Resp: 331094

Ion Ratio Lower Upper

168 100

99 51.4 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

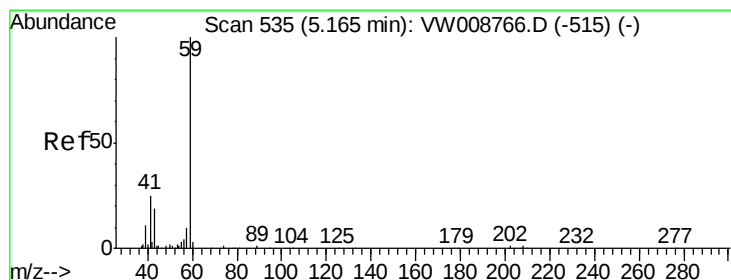
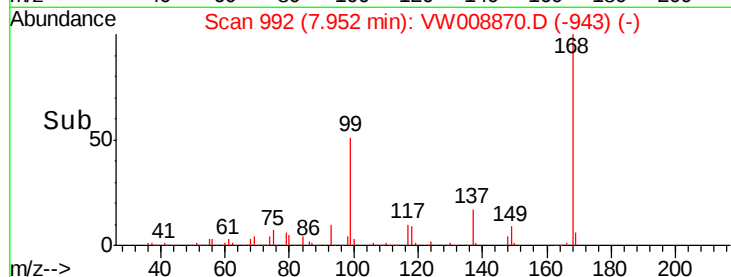
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 17.333 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW008870.D

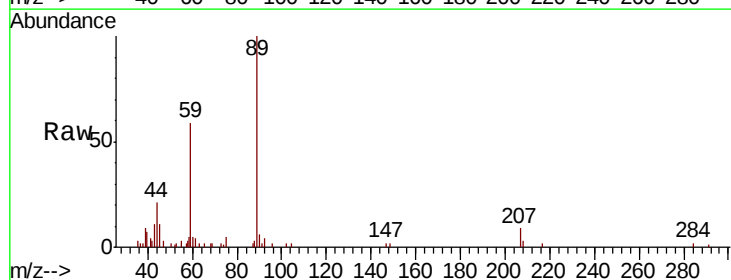
Acq: 27 Feb 2019 22:10

Tgt Ion: 59 Resp: 4792

Ion Ratio Lower Upper

59 100

57 2.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

2500

2000

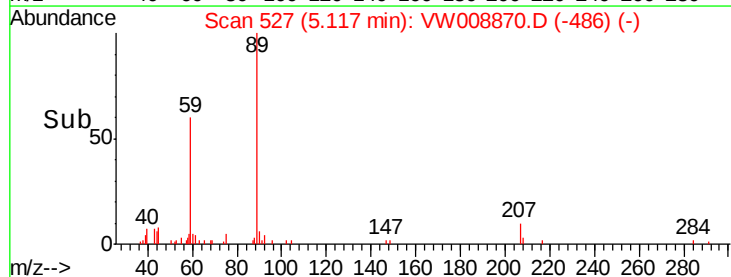
1500

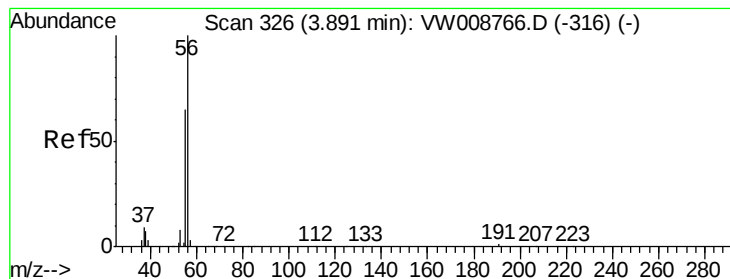
1000

500

0

Time-->





#13

Acrolein

Concen: 20.857 ug/l

RT: 3.92 min Scan# 330

Delta R.T. 0.02 min

Lab File: VW008870.D

Acq: 27 Feb 2019 22:10

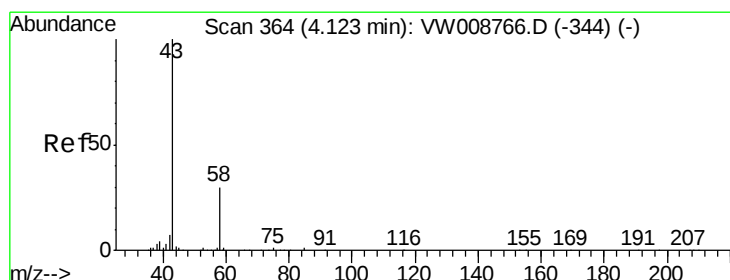
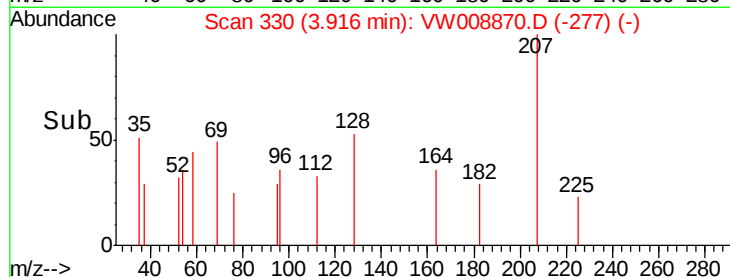
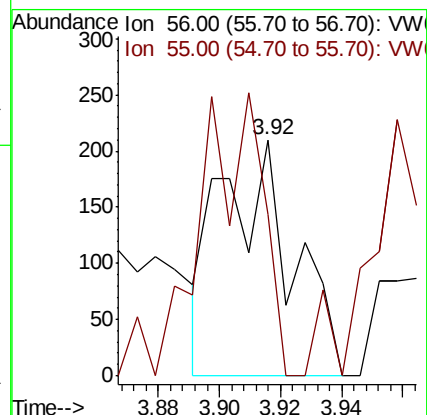
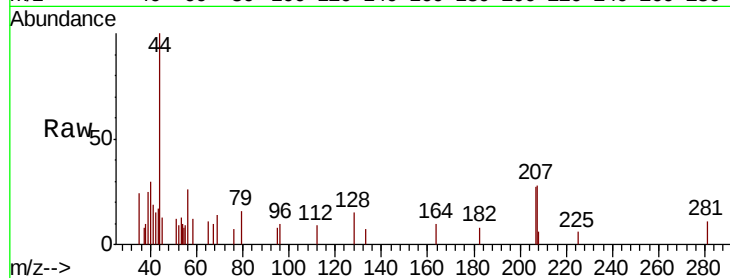
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 341

Ion Ratio Lower Upper

56 100

55 99.7 56.9 85.3#



#16

Acetone

Concen: 51.053 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008870.D

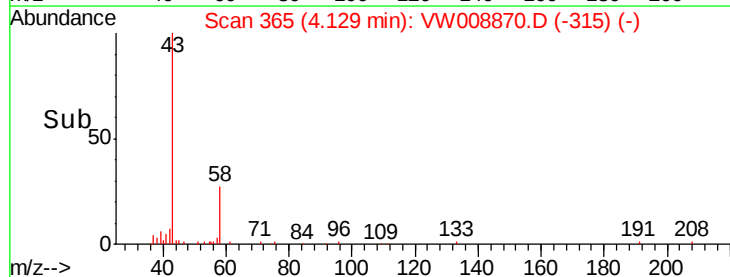
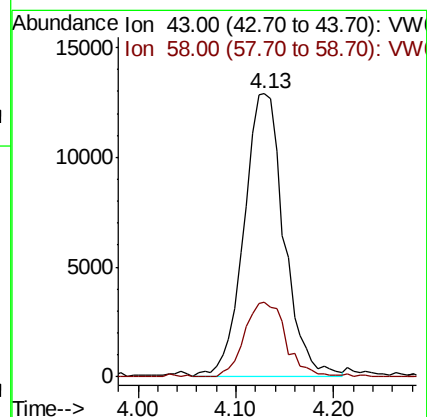
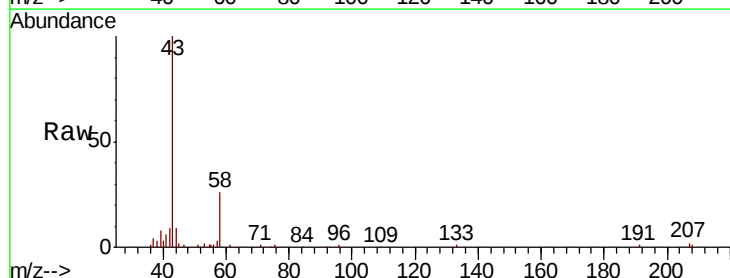
Acq: 27 Feb 2019 22:10

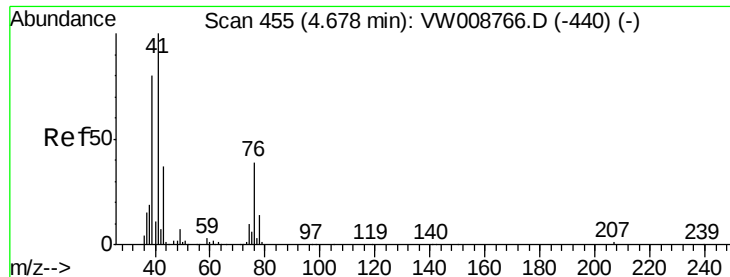
Tgt Ion: 43 Resp: 36748

Ion Ratio Lower Upper

43 100

58 25.8 23.8 35.6

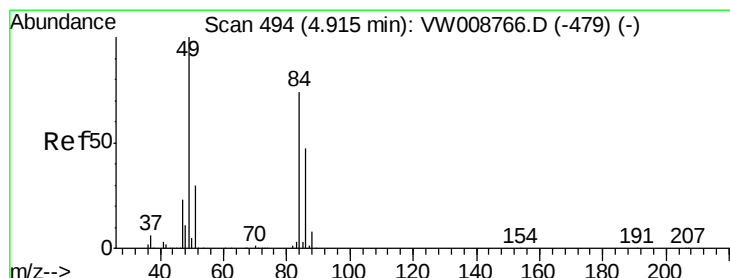
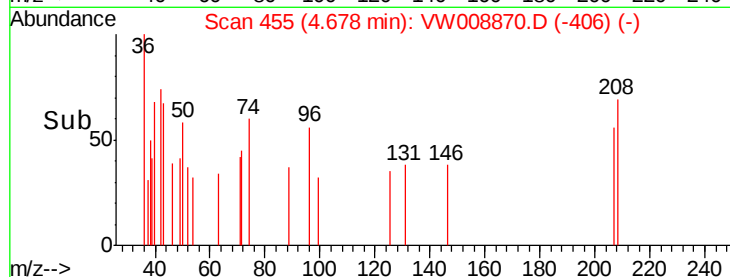
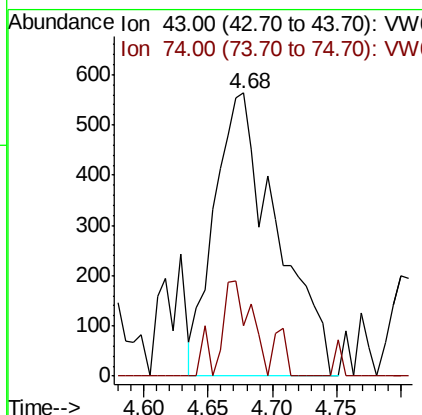
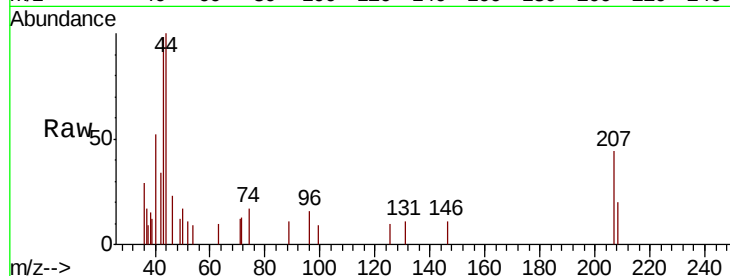




#18
Methyl Acetate
Concen: 1.108 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW008870.D
Acq: 27 Feb 2019 22:10

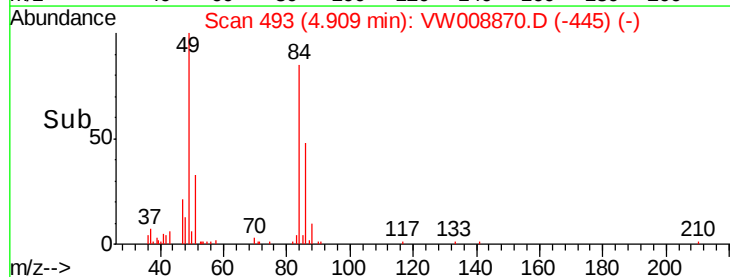
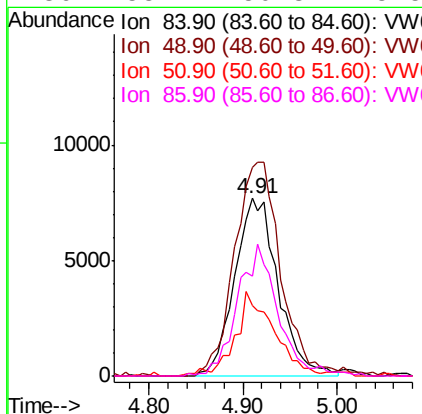
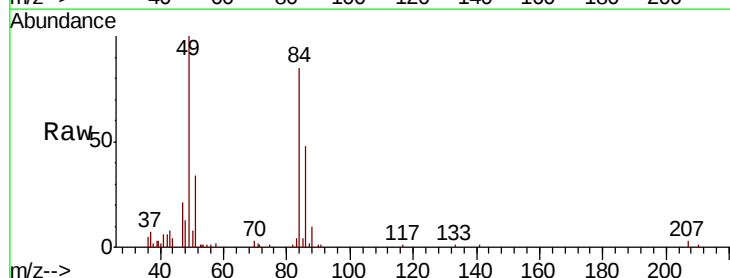
Instrument :
MSVOA_W
ClientSampleId :

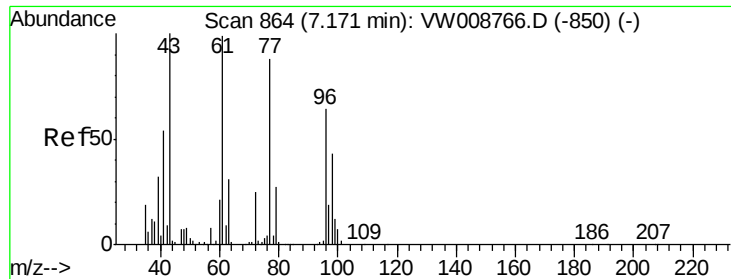
Tot Ion: 43 Resp: 1891
Ion Ratio Lower Upper
43 100
74 16.6 19.4 29.2#



#20
Methylene Chloride
Concen: 2.072 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008870.D
Acq: 27 Feb 2019 22:10

Tgt Ion: 84 Resp: 24711
Ion Ratio Lower Upper
84 100
49 117.5 108.2 162.2
51 38.2 32.7 49.1
86 55.4 50.3 75.5

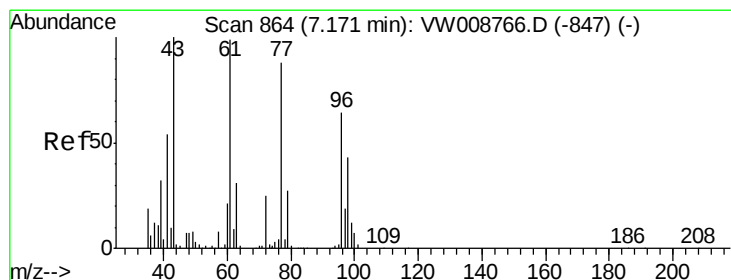
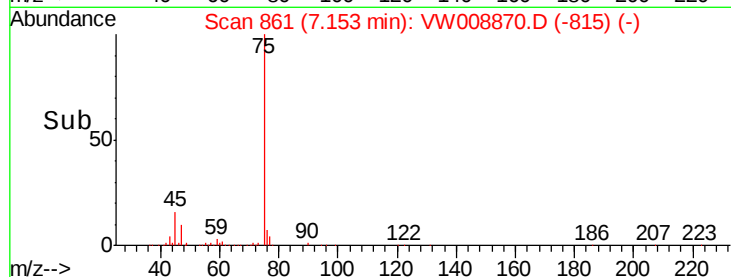
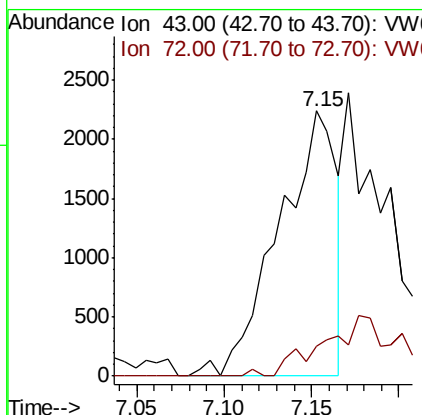
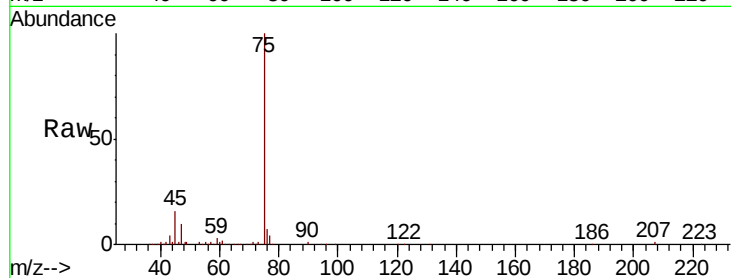




#25
2-Butanone
Concen: 5.109 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008870.D
Acq: 27 Feb 2019 22:10

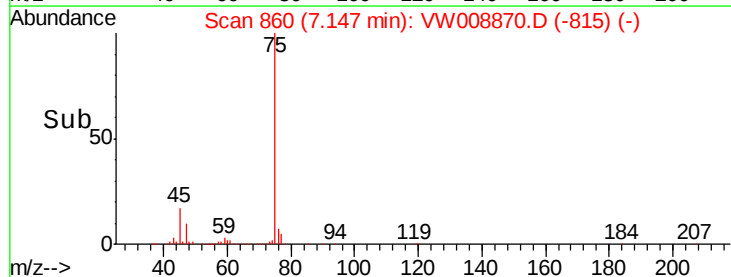
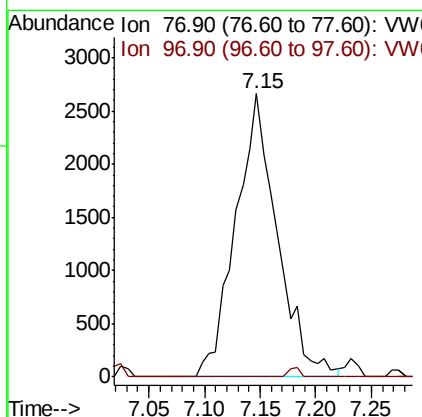
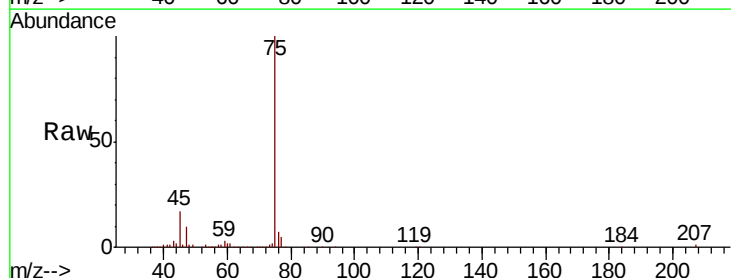
Instrument :
MSVOA_W
ClientSampled :

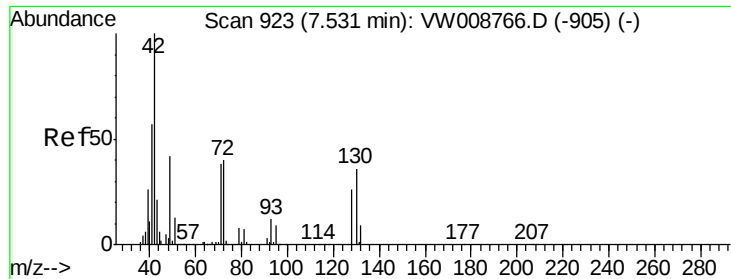
Tot Ion: 43 Resp: 5141
Ion Ratio Lower Upper
43 100
72 11.4 19.7 29.5#



#26
2,2-Dichloropropane
Concen: 1.314 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008870.D
Acq: 27 Feb 2019 22:10

Tgt Ion: 77 Resp: 6900
Ion Ratio Lower Upper
77 100
97 0.0 11.0 33.0#

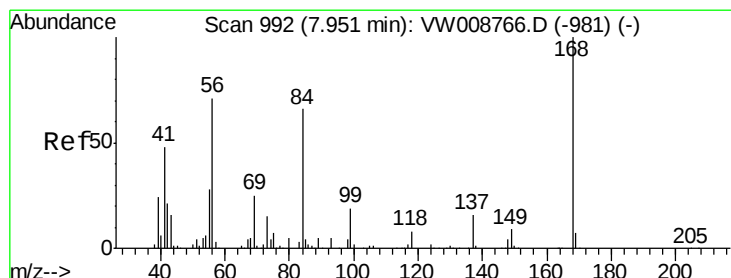
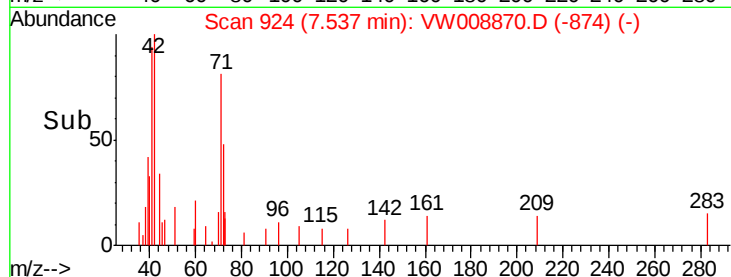
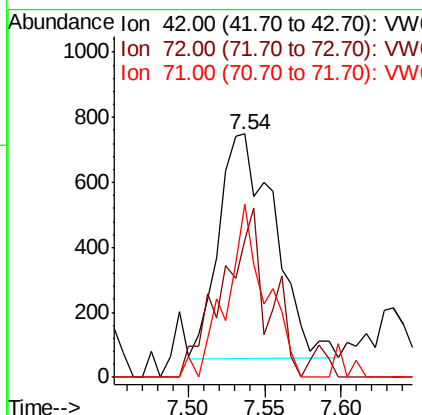
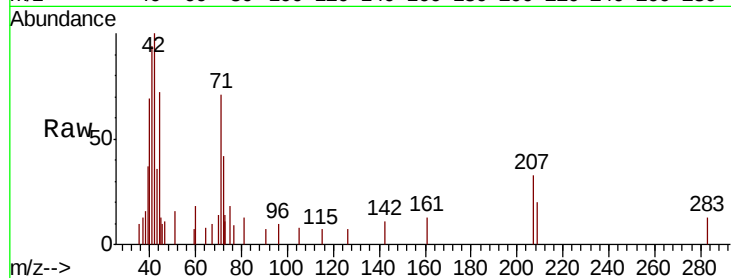




#29
Tetrahydrofuran
Concen: 2.744 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008870.D
Acq: 27 Feb 2019 22:10

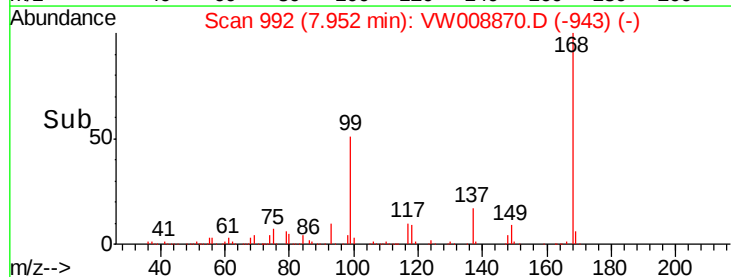
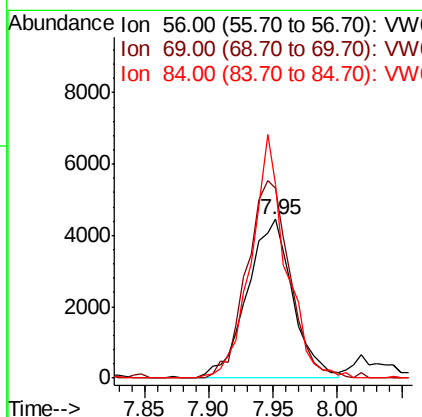
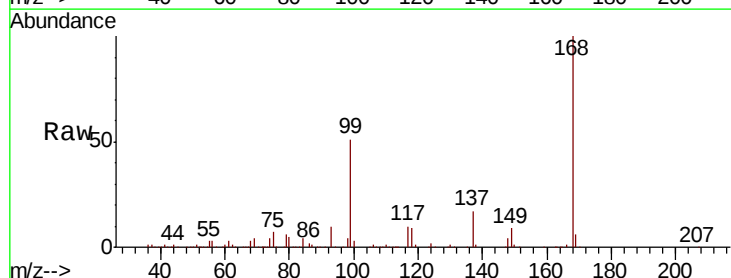
Instrument :
MSVOA_W
ClientSampled :

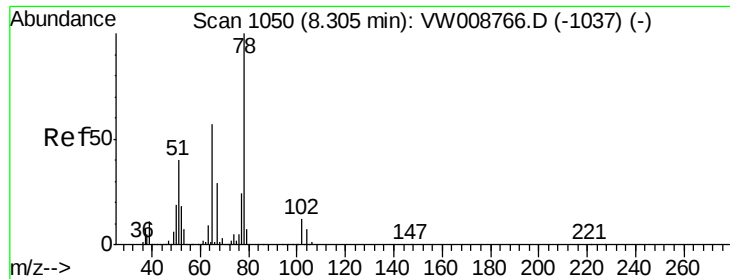
Tot Ion: 42 Resp: 1760
Ion Ratio Lower Upper
42 100
72 61.1 32.7 49.1#
71 54.3 31.3 46.9#



#31
Cyclohexane
Concen: 1.863 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008870.D
Acq: 27 Feb 2019 22:10

Tgt Ion: 56 Resp: 10908
Ion Ratio Lower Upper
56 100
69 119.3 28.2 42.4#
84 122.3 74.1 111.1#





#33

1,2-Dichloroethane-d4

Concen: 57.584 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008870.D

Acq: 27 Feb 2019 22:10

Instrument :

MSVOA_W

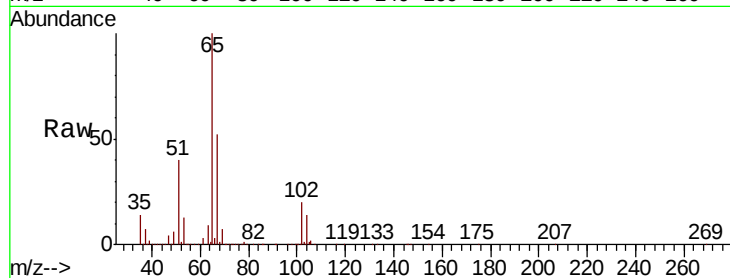
ClientSampleId :

Tot Ion: 65 Resp: 178818

Ion Ratio Lower Upper

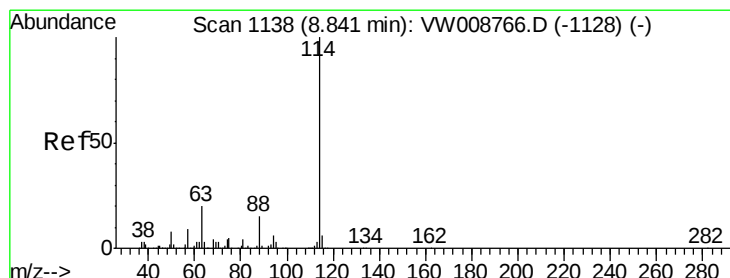
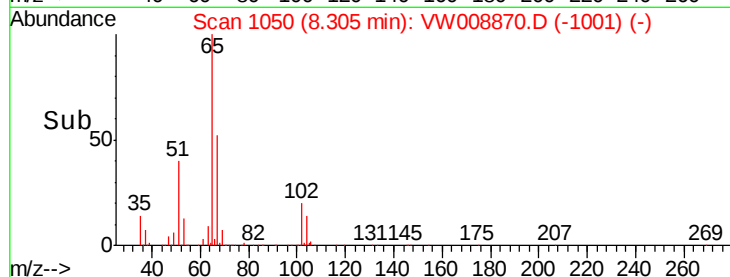
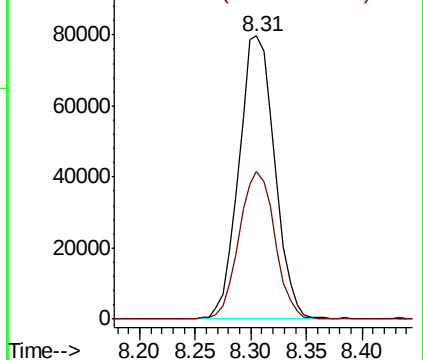
65 100

67 52.1 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: VW008870.D

Acq: 27 Feb 2019 22:10

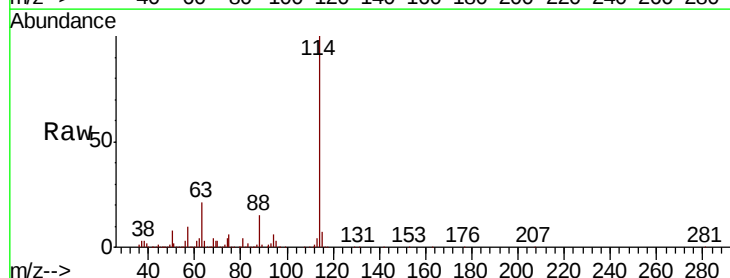
Tgt Ion: 114 Resp: 517314

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

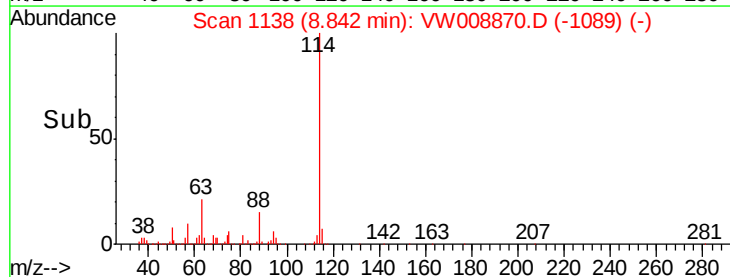
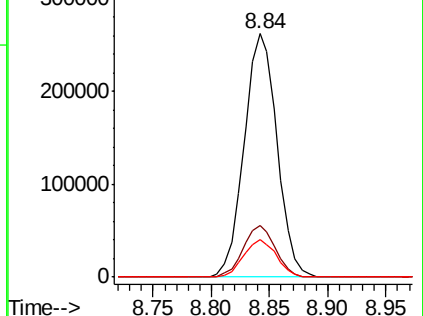
88 15.3 0.0 30.4

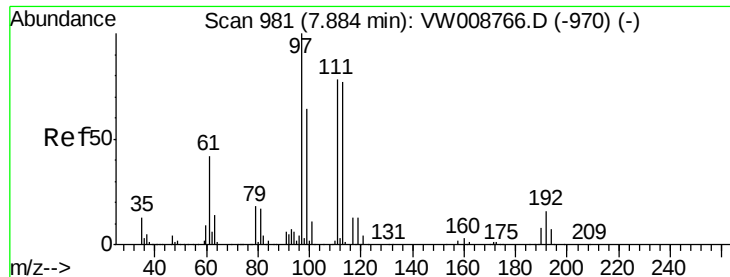


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

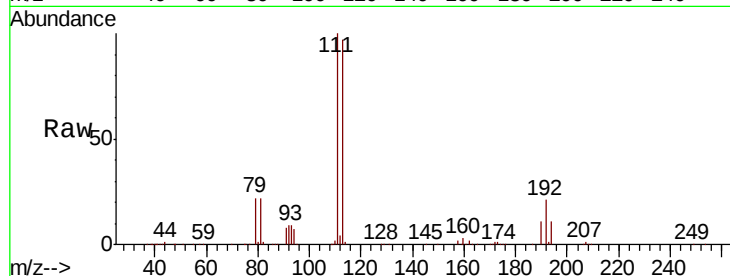




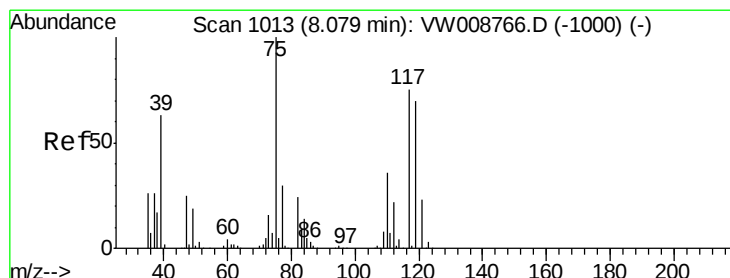
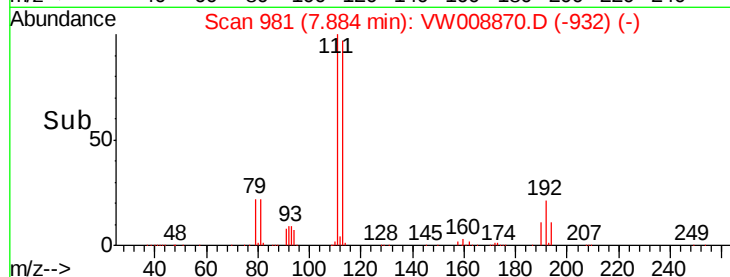
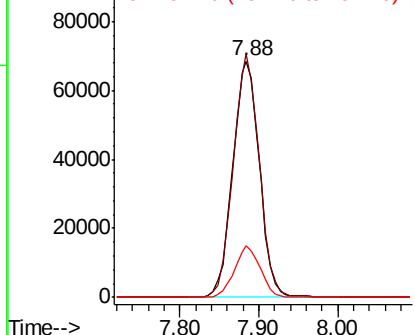
#35
 Dibromofluoromethane
 Concen: 51.842 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008870.D
 Acq: 27 Feb 2019 22:10

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.9	122.9
192	21.0	17.1	25.7

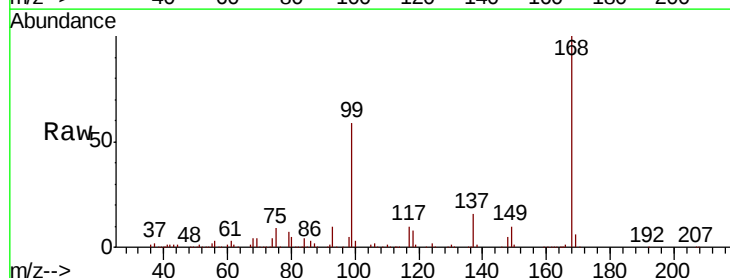


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

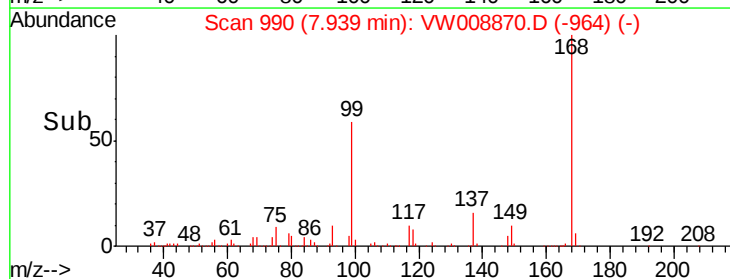
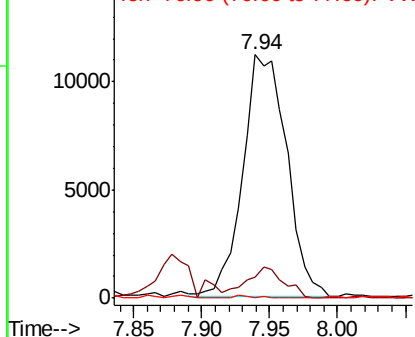


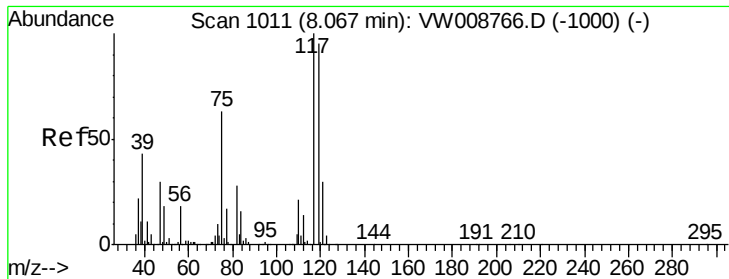
#36
 1,1-Dichloropropene
 Concen: 4.993 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008870.D
 Acq: 27 Feb 2019 22:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.5	52.6#
77	0.4	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

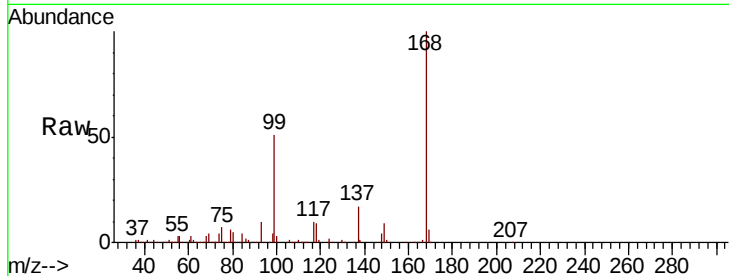




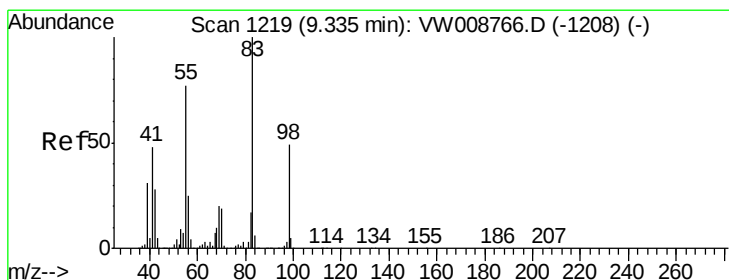
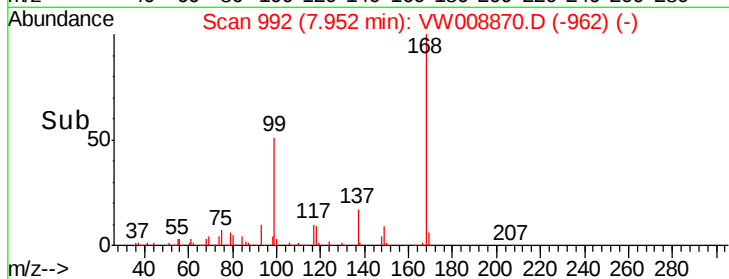
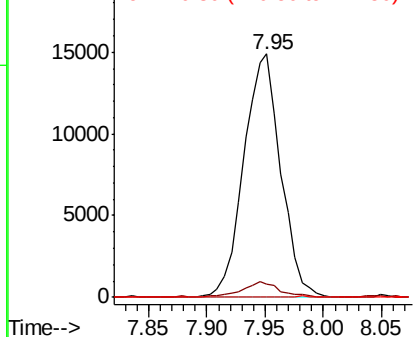
#38
Carbon Tetrachloride
Concen: 6.196 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008870.D
Acq: 27 Feb 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 32906
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.0 36.0#

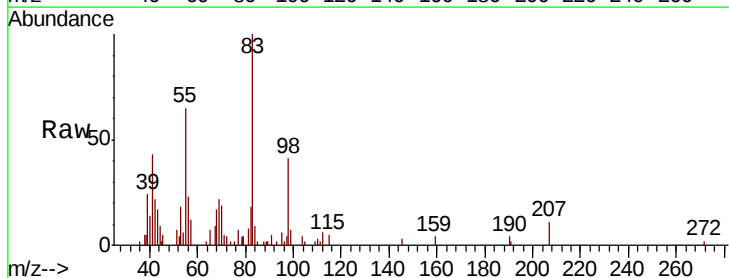


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

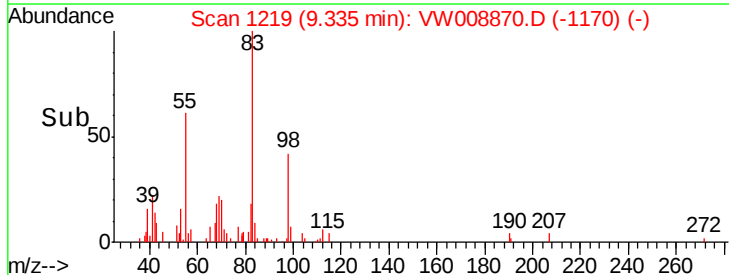
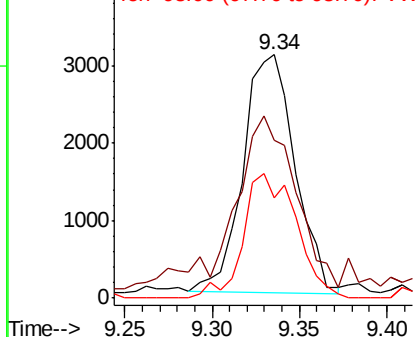


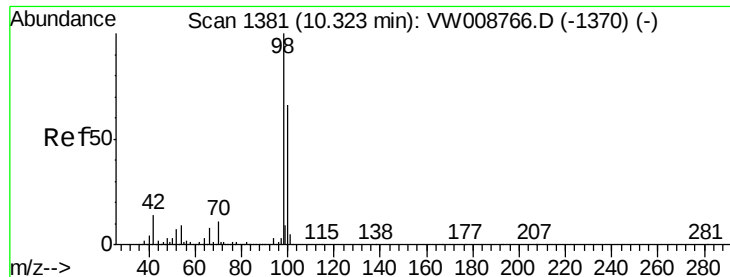
#39
Methylcyclohexane
Concen: 1.011 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008870.D
Acq: 27 Feb 2019 22:10

Tgt Ion: 83 Resp: 6348
Ion Ratio Lower Upper
83 100
55 62.6 61.2 91.8
98 42.5 39.4 59.2



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 50.219 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008870.D

Acq: 27 Feb 2019 22:10

Instrument :

MSVOA_W

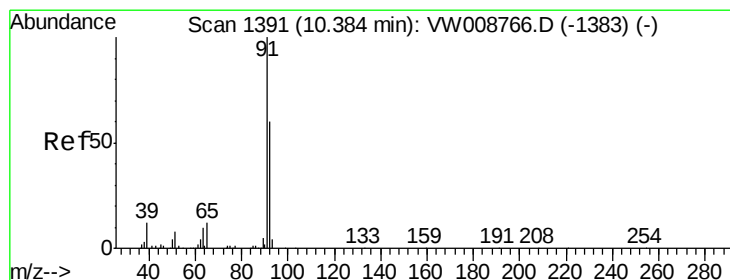
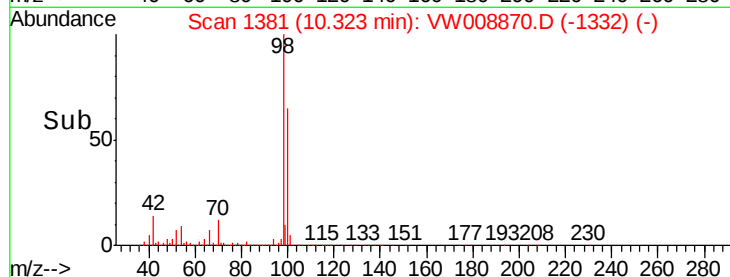
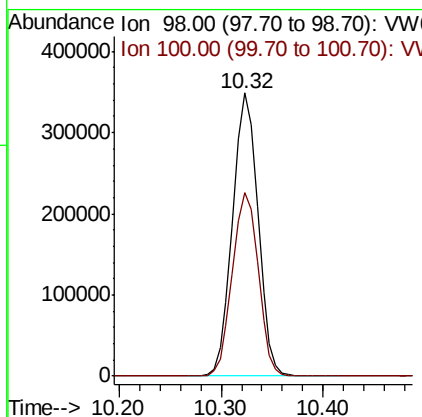
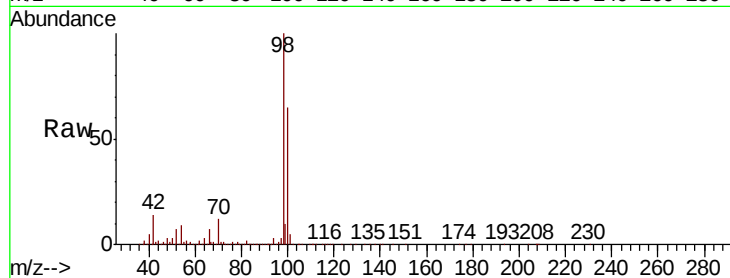
ClientSampleId :

Tot Ion: 98 Resp: 602137

Ion Ratio Lower Upper

98 100

100 66.2 52.4 78.6



#52

Toluene

Concen: 2.435 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008870.D

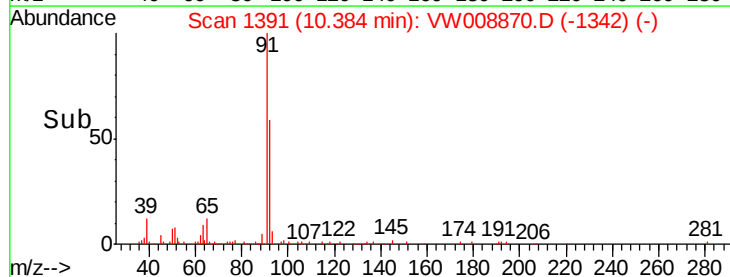
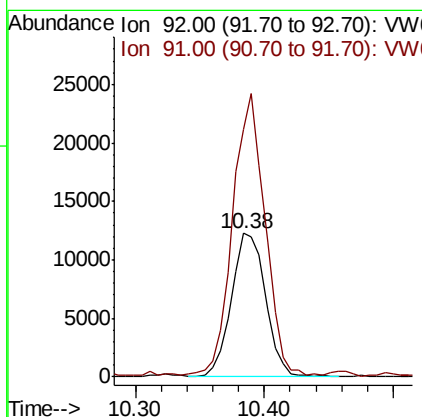
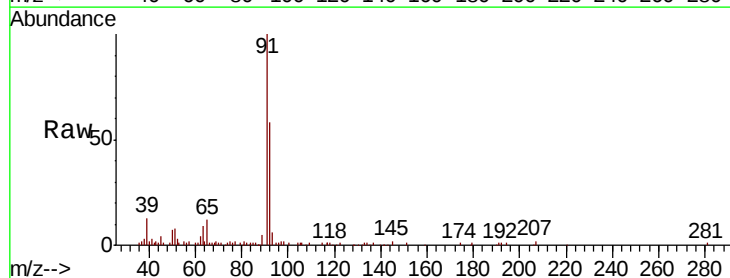
Acq: 27 Feb 2019 22:10

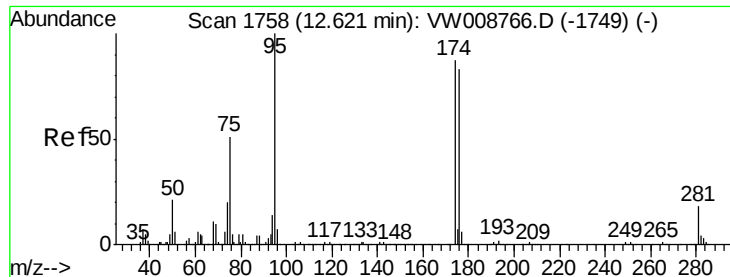
Tgt Ion: 92 Resp: 22721

Ion Ratio Lower Upper

92 100

91 184.2 136.9 205.3

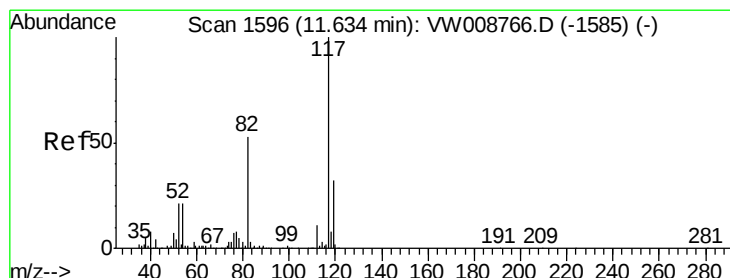
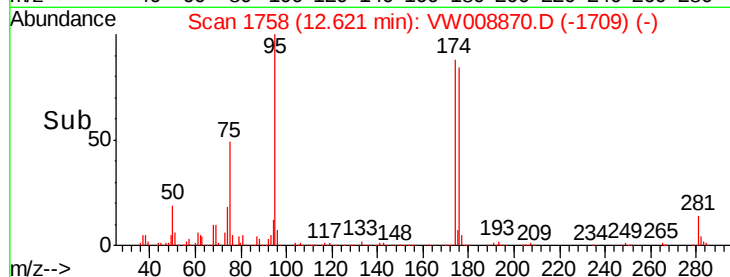
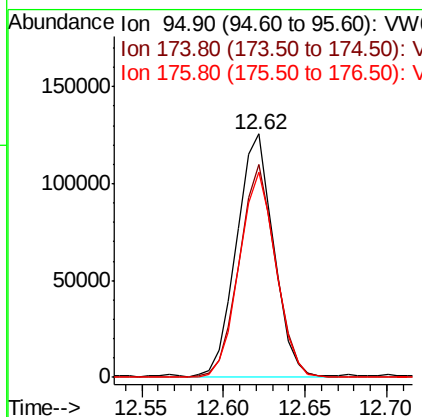
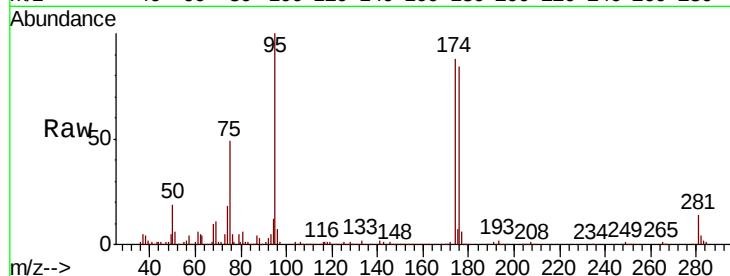




#62
4-Bromofluorobenzene
Concen: 42.089 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008870.D
Acq: 27 Feb 2019 22:10

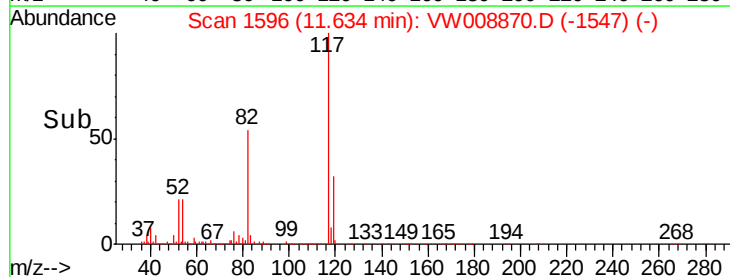
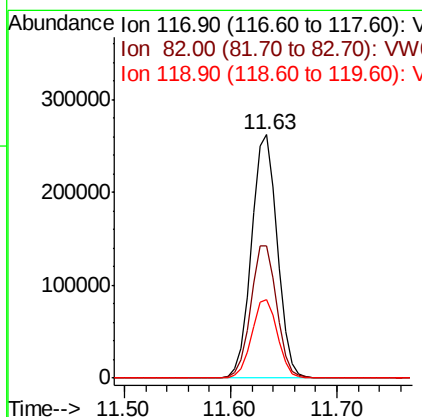
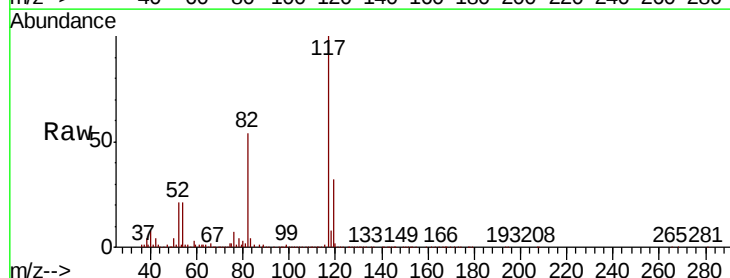
Instrument :
MSVOA_W
ClientSampleId :

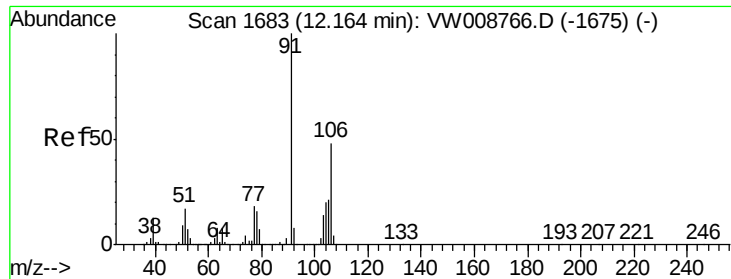
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	169.2
176	84.4	0.0	163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008870.D
Acq: 27 Feb 2019 22:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.2	63.4
119	32.4	25.9	38.9

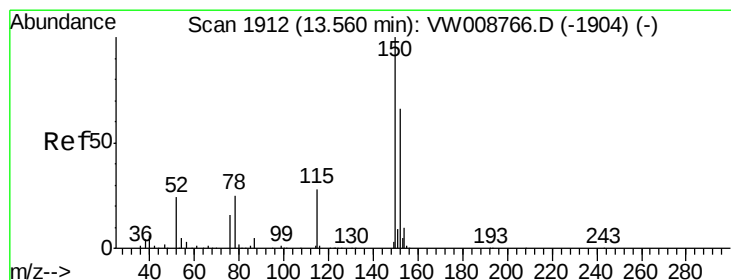
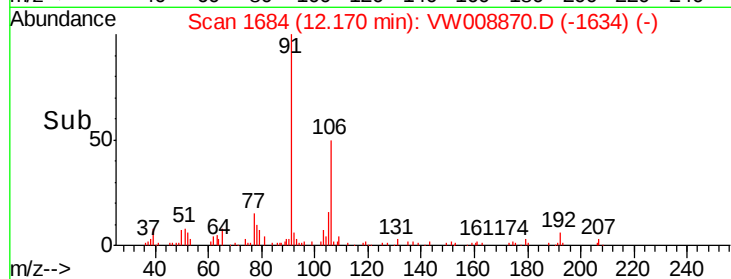
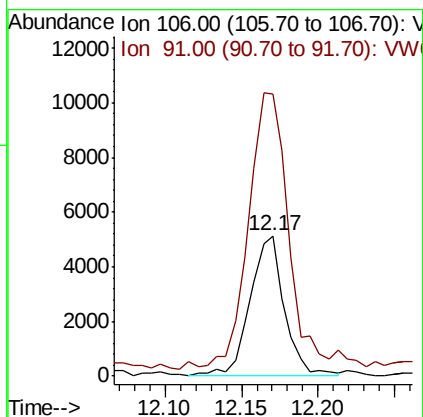
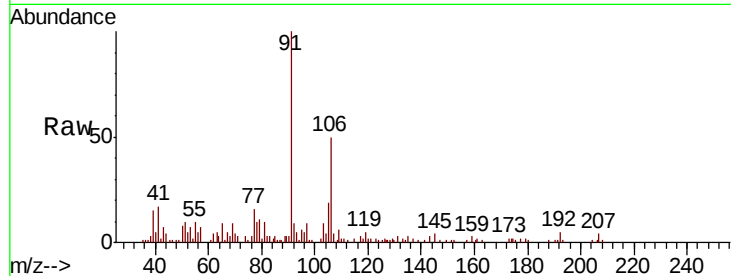




#69
o-Xylene
Concen: 1.287 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008870.D
Acq: 27 Feb 2019 22:10

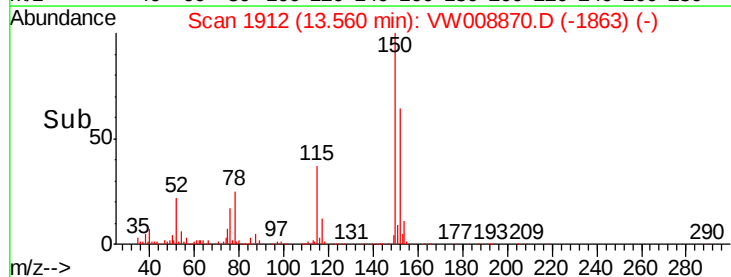
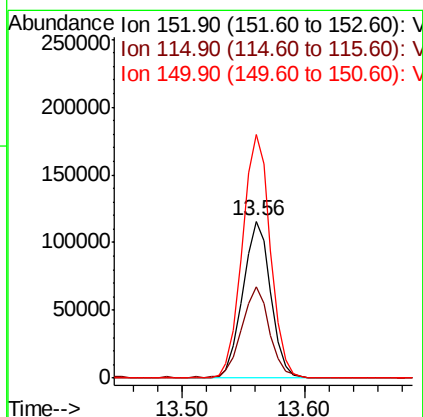
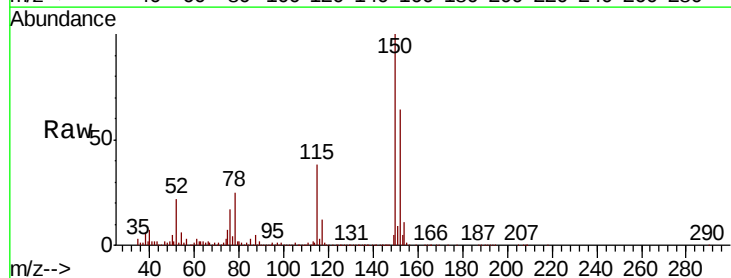
Instrument :
MSVOA_W
ClientSampled :

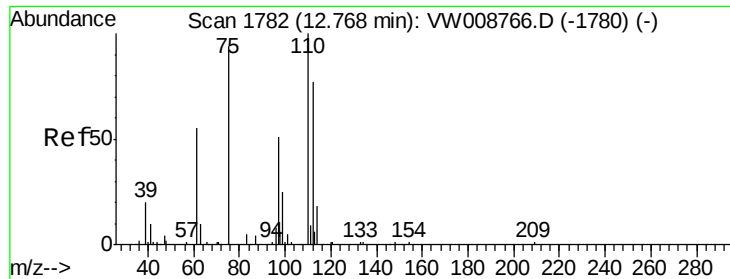
Tot Ion:106 Resp: 8097
Ion Ratio Lower Upper
106 100
91 225.9 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008870.D
Acq: 27 Feb 2019 22:10

Tgt Ion:152 Resp: 181871
Ion Ratio Lower Upper
152 100
115 58.6 28.6 85.8
150 156.8 0.0 348.0

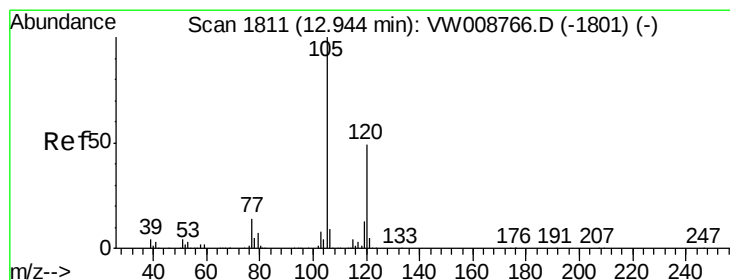
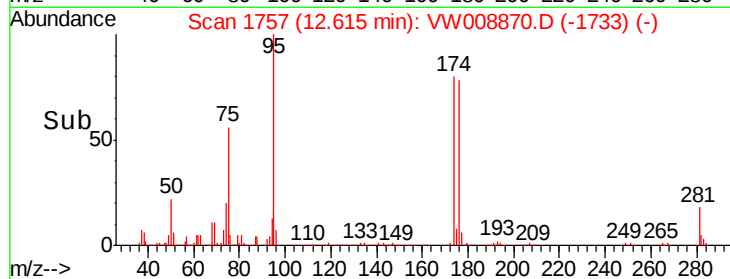
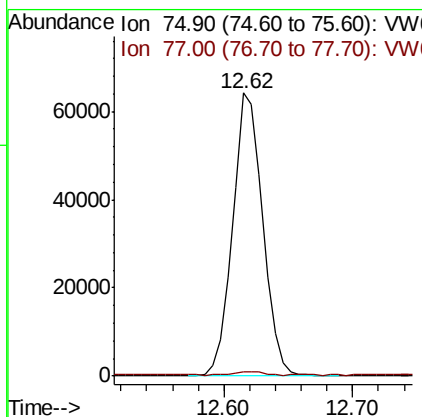
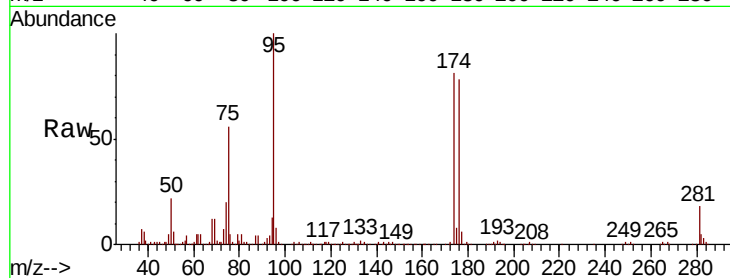




#76
 1,2,3-Trichloropropane
 Concen: 69.436 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW008870.D
 Acq: 27 Feb 2019 22:10

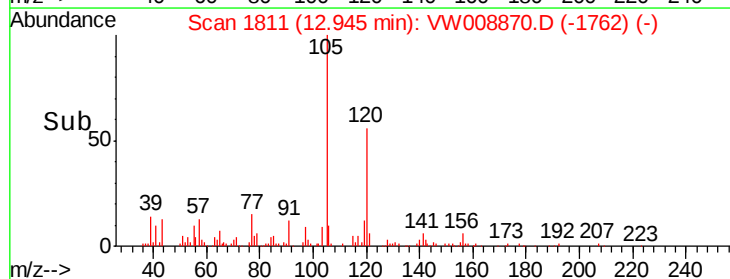
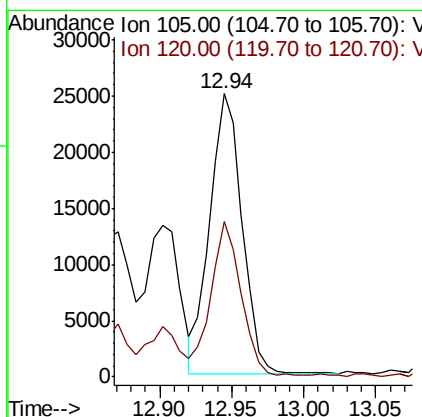
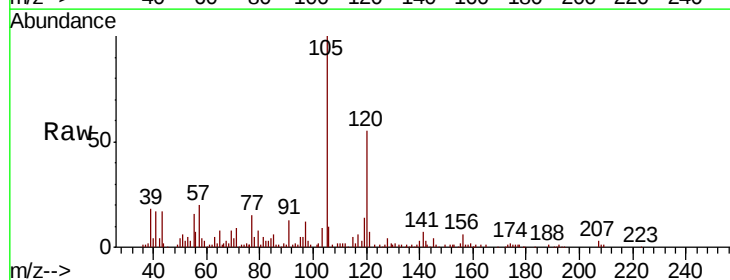
Instrument :
 MSVOA_W
 ClientSampleId :

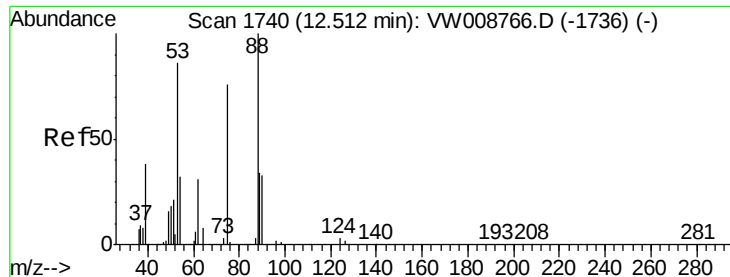
Tot Ion: 75 Resp: 104264
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 3.629 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008870.D
 Acq: 27 Feb 2019 22:10

Tgt Ion: 105 Resp: 39318
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 168.804 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008870.D

Acq: 27 Feb 2019 22:10

Instrument :

MSVOA_W

ClientSampleId :

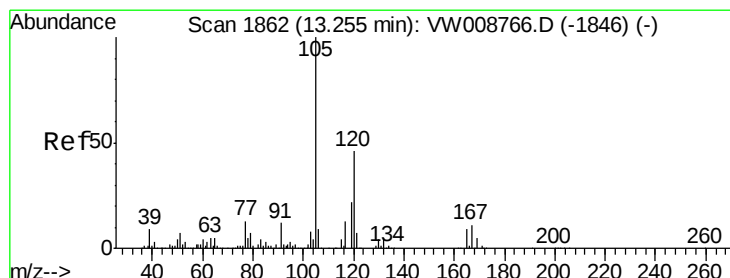
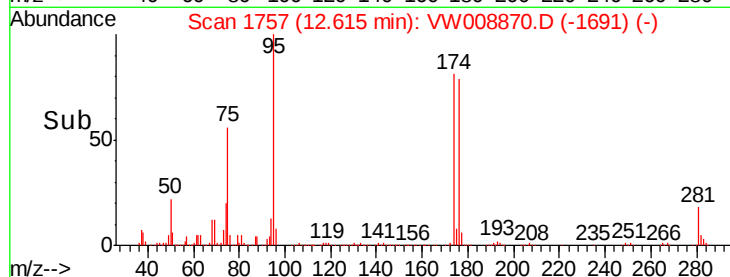
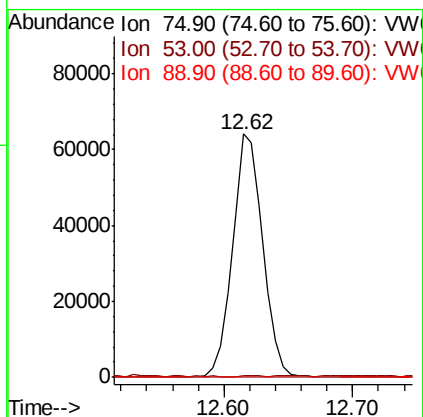
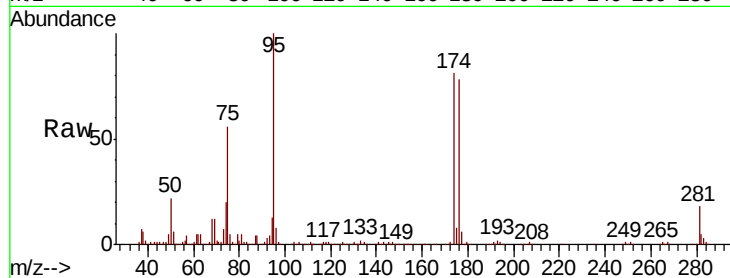
Tot Ion: 75 Resp: 104264

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.2 39.5 59.3#



#84

1,2,4-Trimethylbenzene

Concen: 2.810 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008870.D

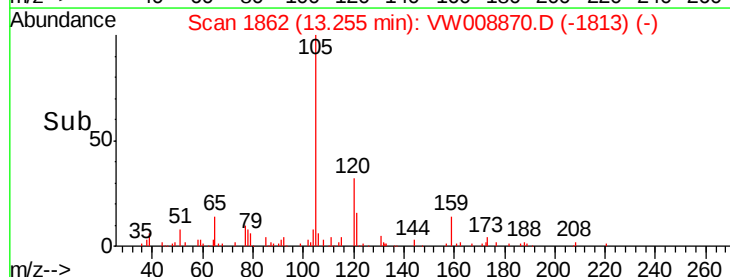
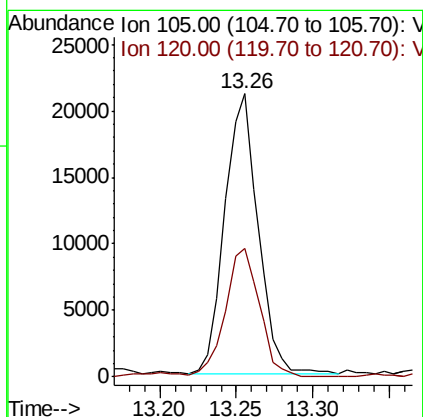
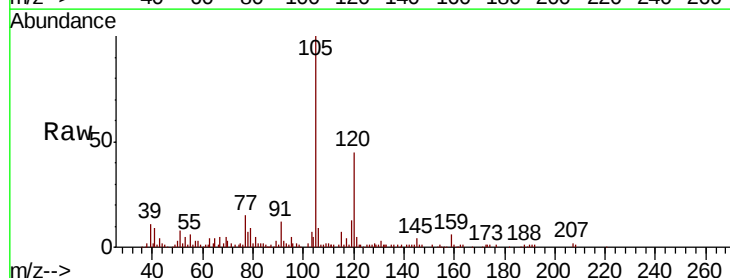
Acq: 27 Feb 2019 22:10

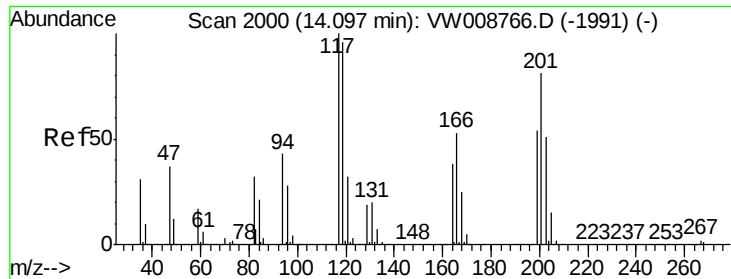
Tgt Ion: 105 Resp: 31513

Ion Ratio Lower Upper

105 100

120 47.6 22.8 68.4





#90
 Hexachloroethane
 Concen: 1.582 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: VW008870.D
 Acq: 27 Feb 2019 22:10

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:117 Resp: 3199
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.3 120.8#

