

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008911.D
 Acq On : 01 Mar 2019 03:36
 Operator : SY/VA
 Sample : K1665-03
 Misc : 4.68G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 200029

Quant Time: Mar 01 06:06:55 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	333757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	515751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	467749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	223145	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	183127	58.50	ug/l	0.00
Spiked Amount			Recovery	=	117.00%	
35) Dibromofluoromethane	7.88	113	158711	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
50) Toluene-d8	10.32	98	616842	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.62	95	217889	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	

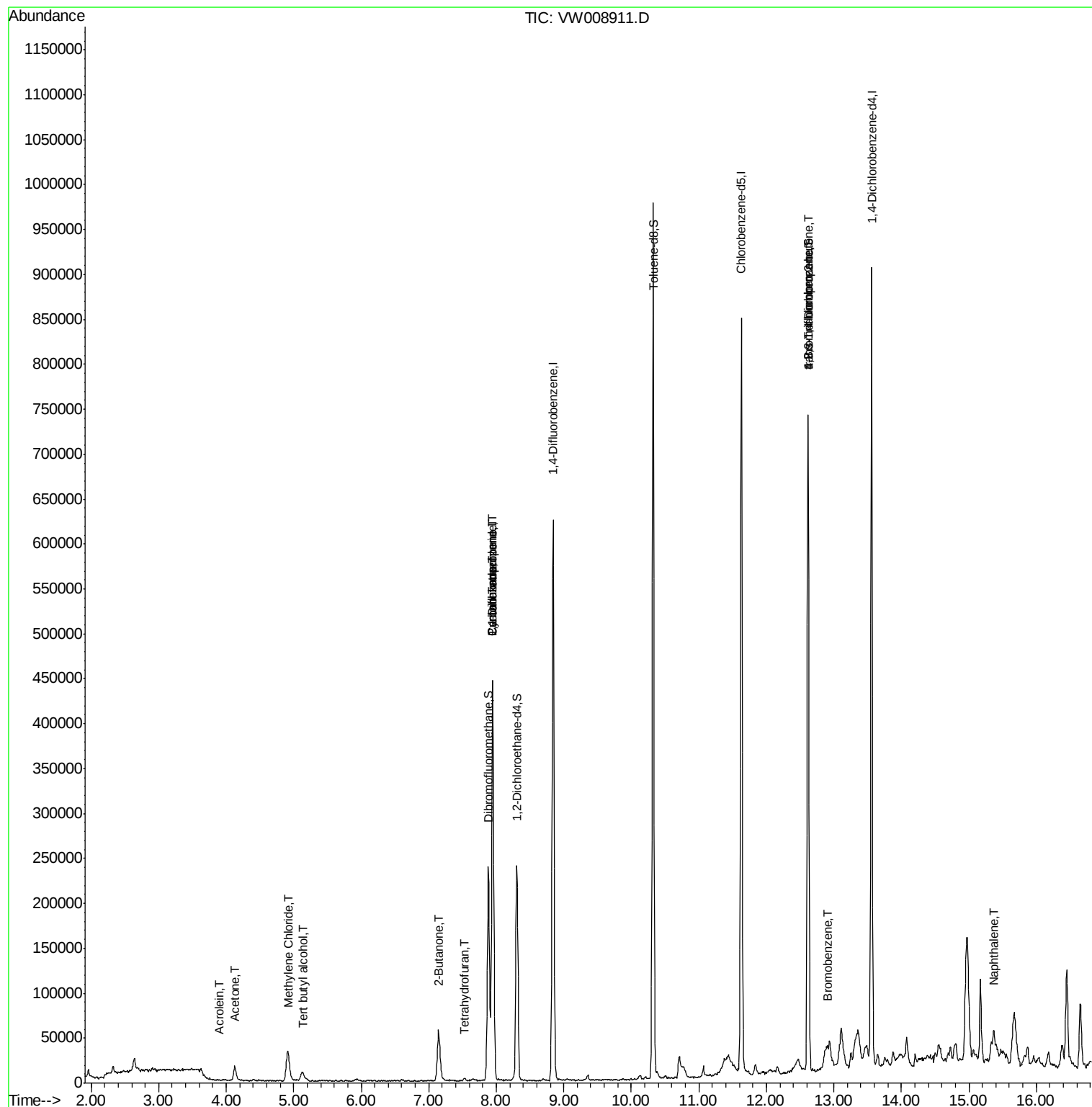
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	11205	40.207	ug/l #	76
13) Acrolein	3.90	56	34	19.886	ug/l #	14
16) Acetone	4.13	43	27906	38.460	ug/l	93
20) Methylene Chloride	4.92	84	25533	2.266	ug/l #	82
25) 2-Butanone	7.16	43	5748	5.666	ug/l #	81
29) Tetrahydrofuran	7.53	42	2010	3.109	ug/l	94
31) Cyclohexane	7.95	56	7445	1.262	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	25209	5.021	ug/l #	50
38) Carbon Tetrachloride	7.95	117	32436	6.126	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	115271	62.567	ug/l #	100
77) Bromobenzene	12.90	156	20419	5.648	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	115271	152.105	ug/l #	6
95) Naphthalene	15.37	128	22493	2.744	ug/l	99

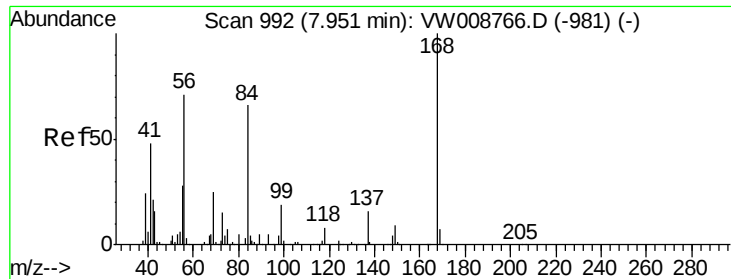
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 991

Delta R.T. -0.01 min

Lab File: VW008911.D

Acq: 01 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

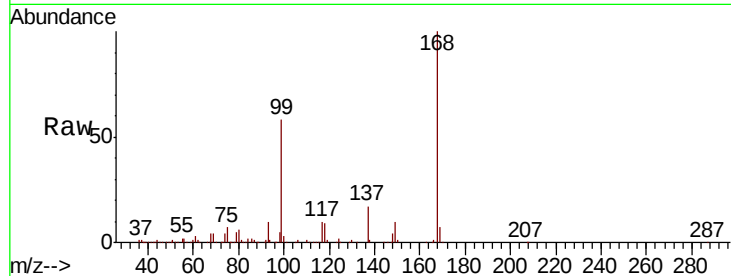
200029

Tot Ion:168 Resp: 333757

Ion Ratio Lower Upper

168 100

99 57.6 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

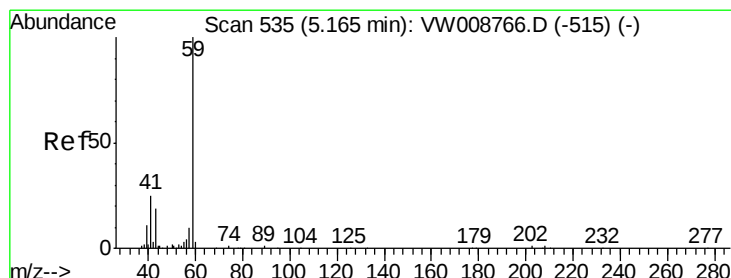
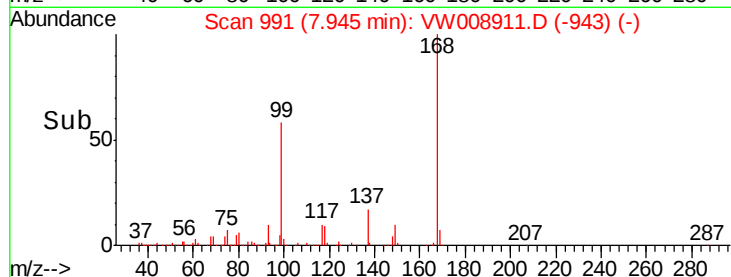
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 40.207 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW008911.D

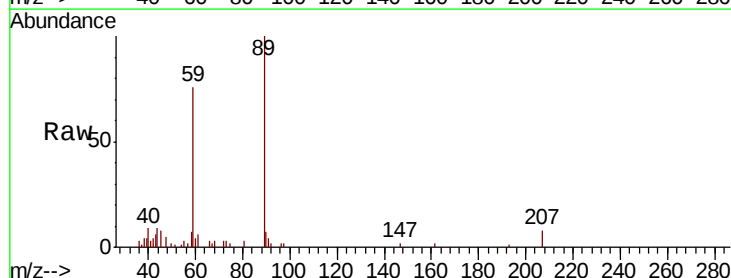
Acq: 01 Mar 2019 03:36

Tgt Ion: 59 Resp: 11205

Ion Ratio Lower Upper

59 100

57 2.4 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

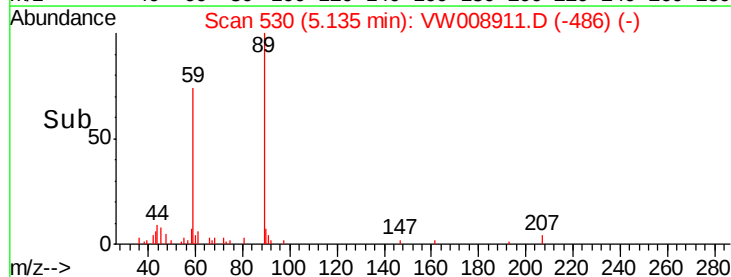
3000

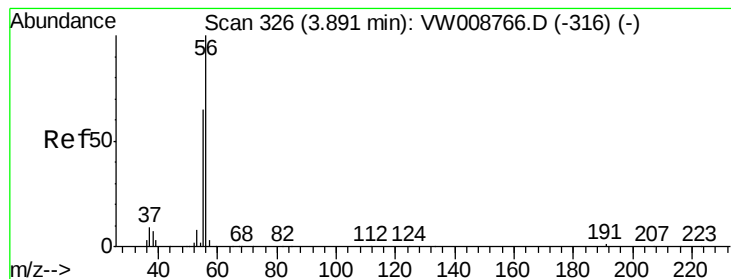
2000

1000

0

Time--> 5.00 5.10 5.20 5.30





#13

Acrolein

Concen: 19.886 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW008911.D

Acq: 01 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampled :

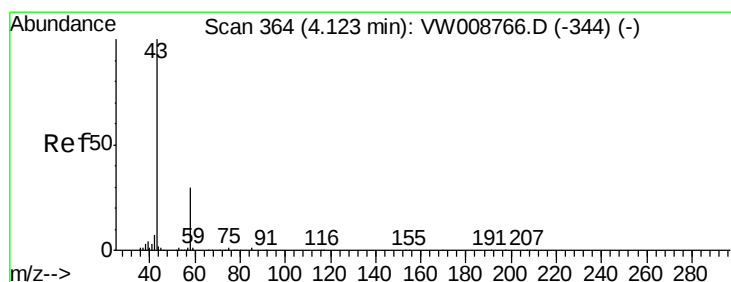
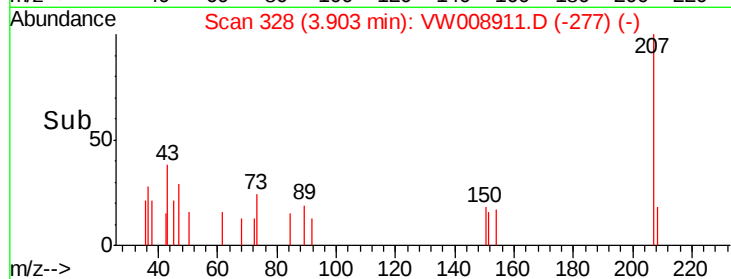
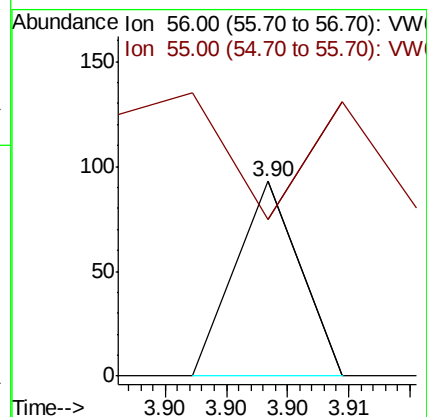
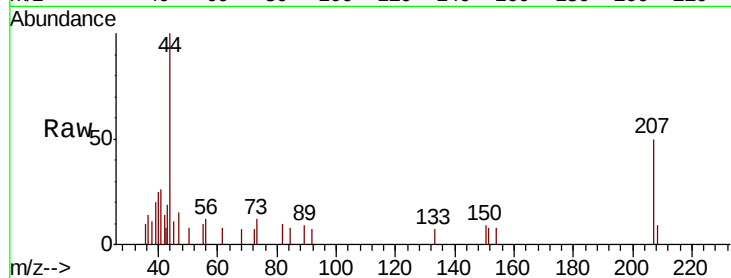
200029

Tot Ion: 56 Resp: 34

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 38.460 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008911.D

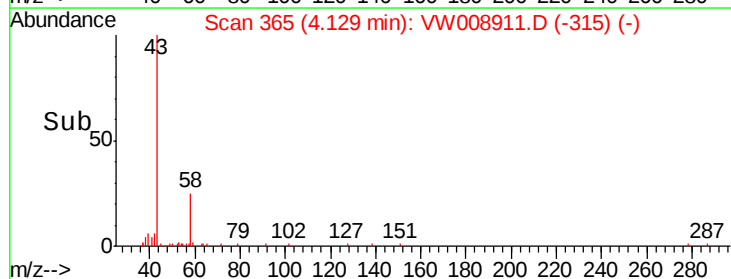
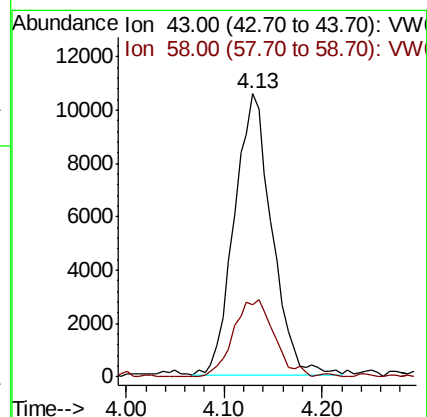
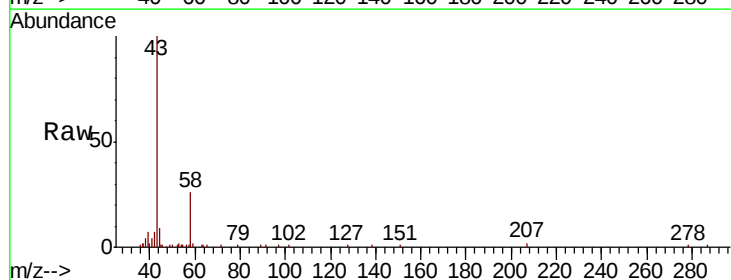
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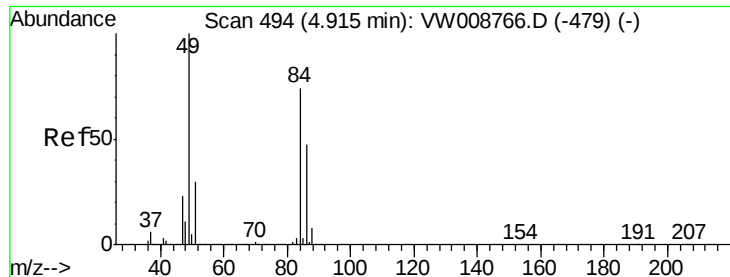
Tgt Ion: 43 Resp: 27906

Ion Ratio Lower Upper

43 100

58 25.8 23.8 35.6

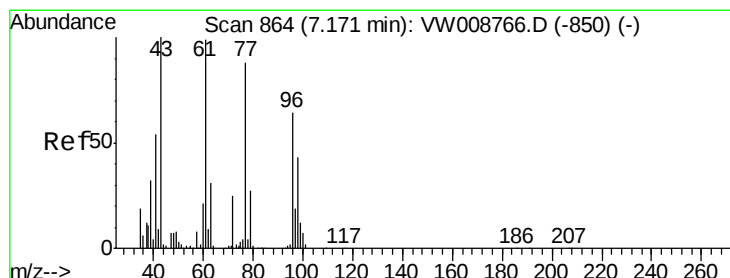
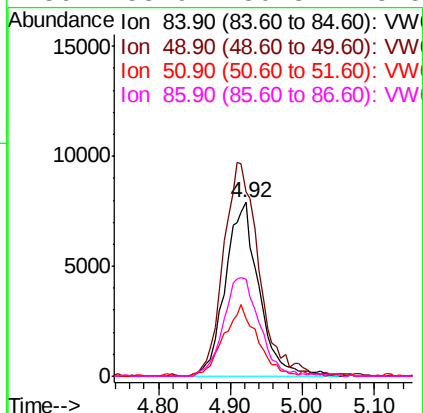
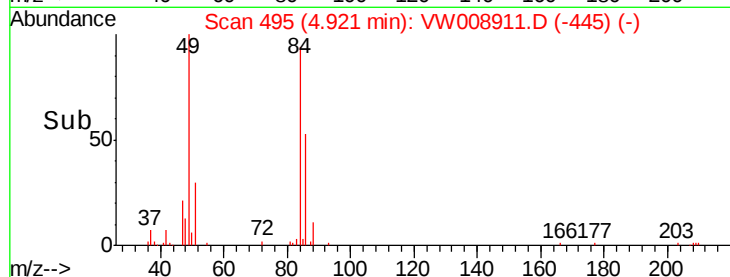
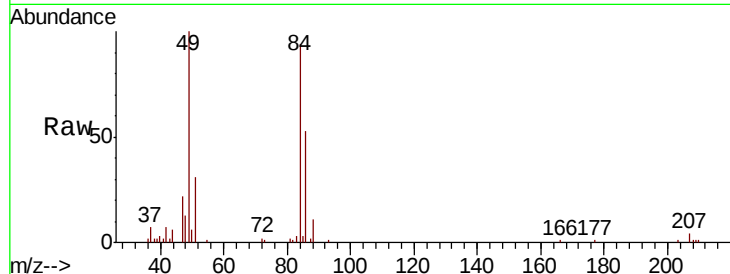




#20
Methvlene Chloride
Concen: 2.266 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008911.D
Acq: 01 Mar 2019 03:36

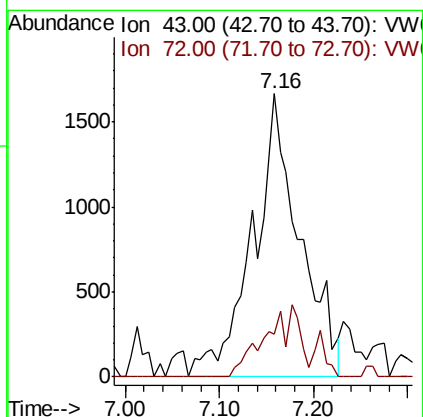
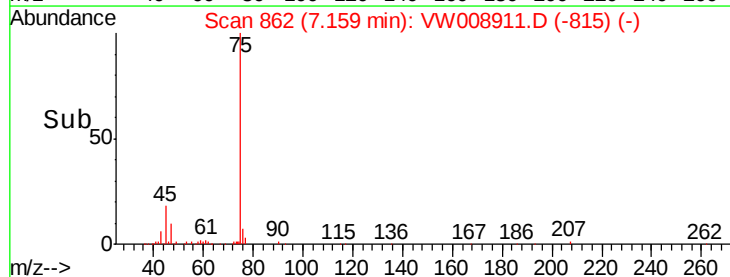
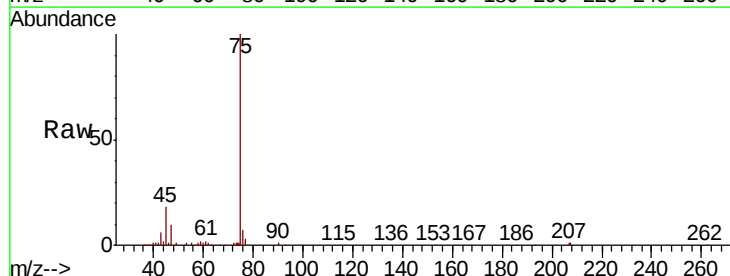
Instrument :
MSVOA_W
ClientSampleId :
200029

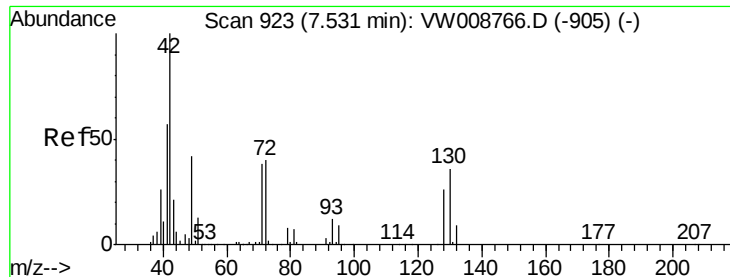
Tot Ion	84	Resp	25533
Ion	Ratio	Lower	Upper
84	100		
49	106.3	108.2	162.2#
51	33.5	32.7	49.1
86	55.9	50.3	75.5



#25
2-Butanone
Concen: 5.666 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008911.D
Acq: 01 Mar 2019 03:36

Tgt Ion	43	Resp	5748
Ion	Ratio	Lower	Upper
43	100		
72	15.0	19.7	29.5#

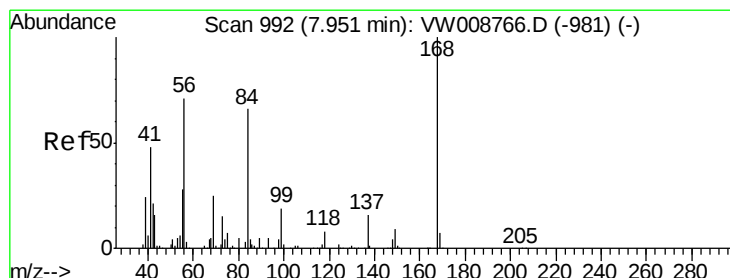
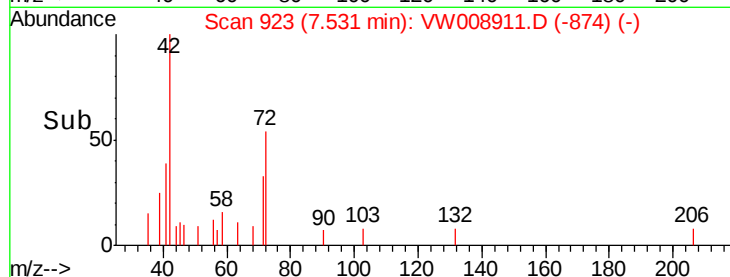
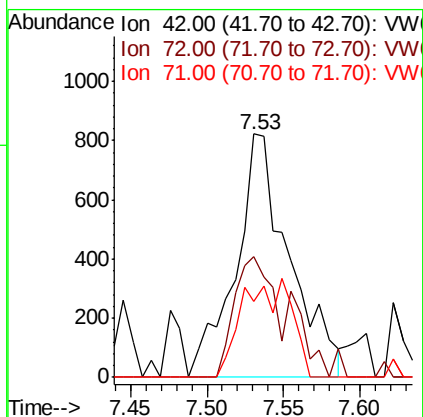
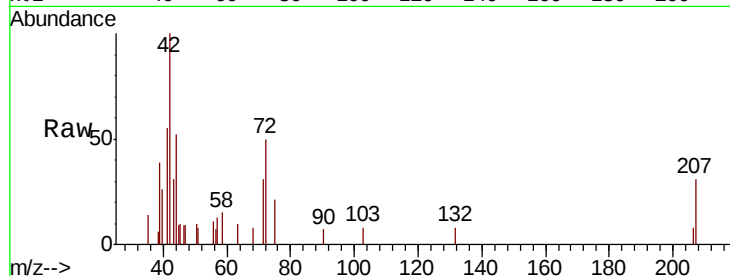




#29
Tetrahydrofuran
Concen: 3.109 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008911.D
Acq: 01 Mar 2019 03:36

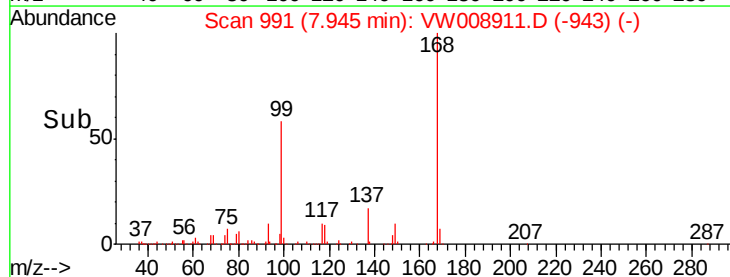
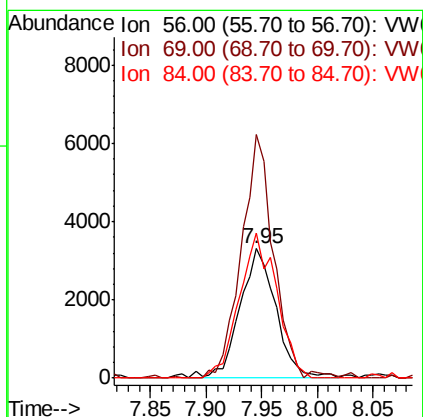
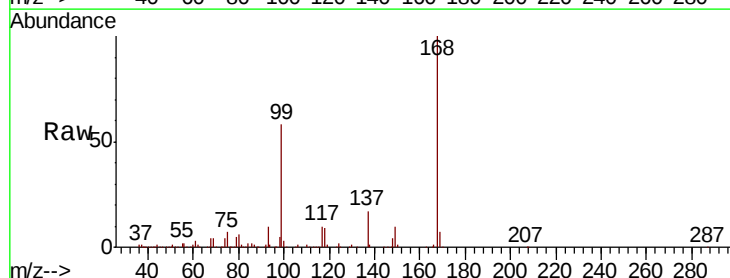
Instrument :
MSVOA_W
ClientSampled :
200029

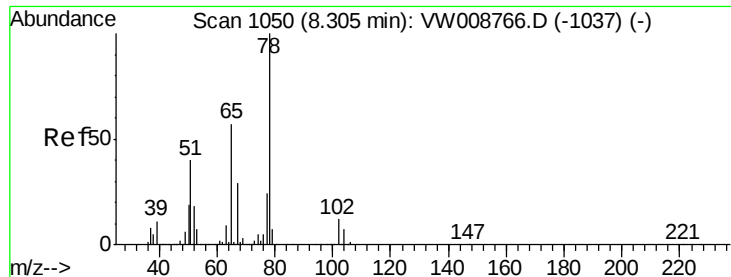
Tot Ion: 42 Resp: 2010
Ion Ratio Lower Upper
42 100
72 35.4 32.7 49.1
71 36.9 31.3 46.9



#31
Cyclohexane
Concen: 1.262 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008911.D
Acq: 01 Mar 2019 03:36

Tgt Ion: 56 Resp: 7445
Ion Ratio Lower Upper
56 100
69 187.9 28.2 42.4#
84 112.3 74.1 111.1#





#33

1,2-Dichloroethane-d4

Concen: 58.501 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008911.D

Acq: 01 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

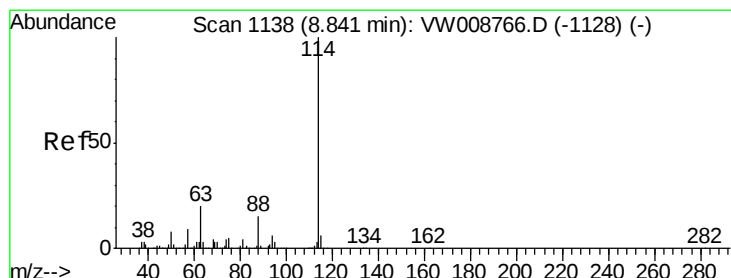
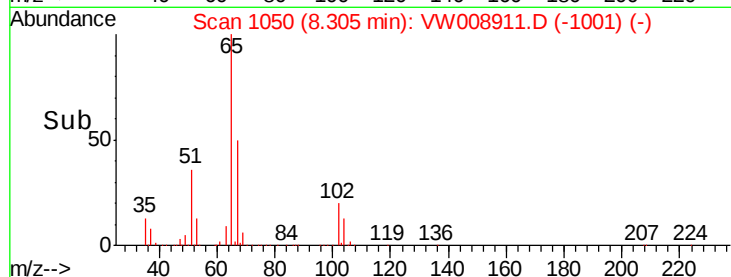
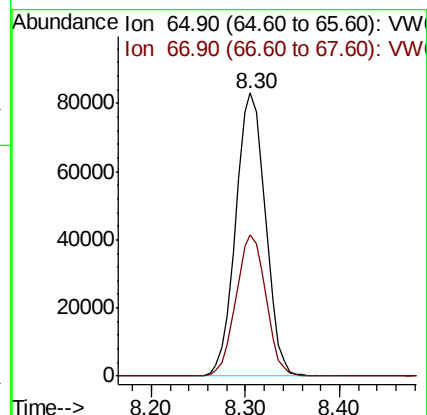
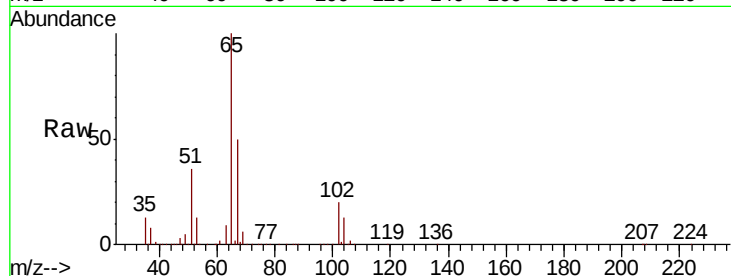
200029

Tot Ion: 65 Resp: 183127

Ion Ratio Lower Upper

65 100

67 50.2 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: VW008911.D

Acq: 01 Mar 2019 03:36

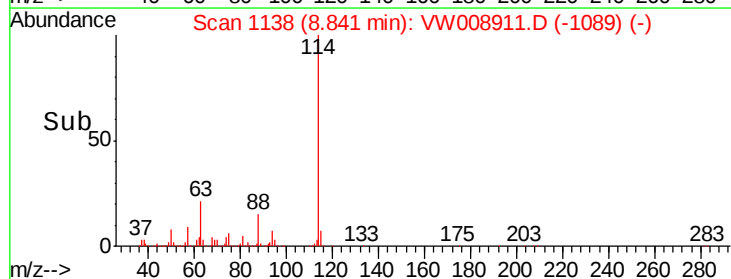
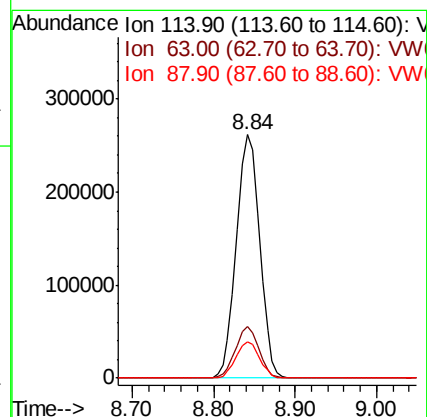
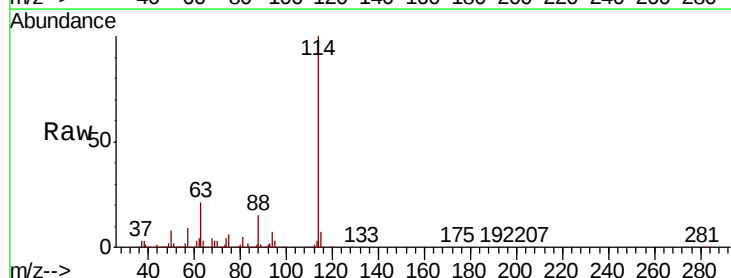
Tgt Ion: 114 Resp: 515751

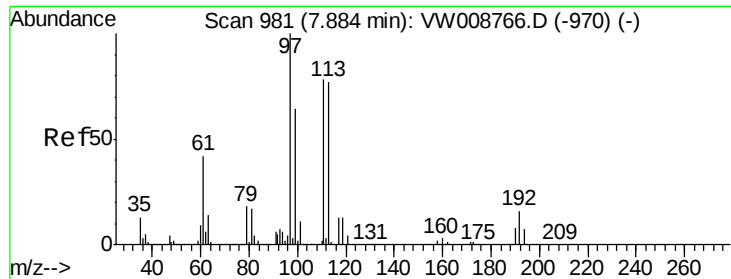
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 15.1 0.0 30.4

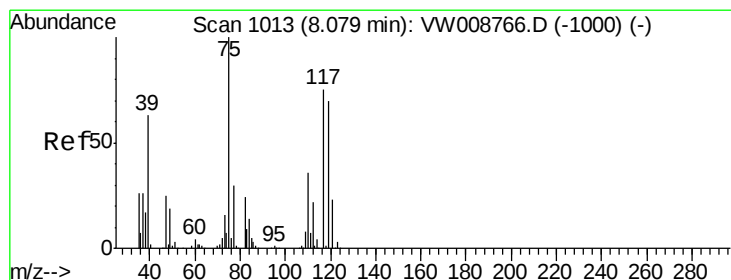
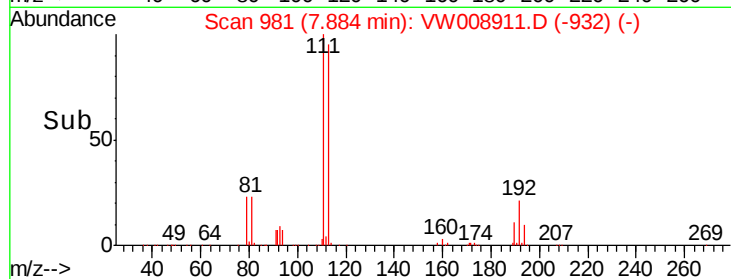
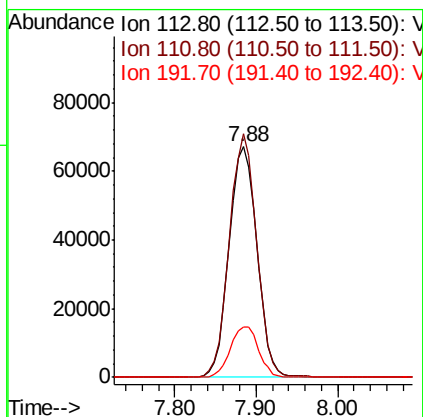
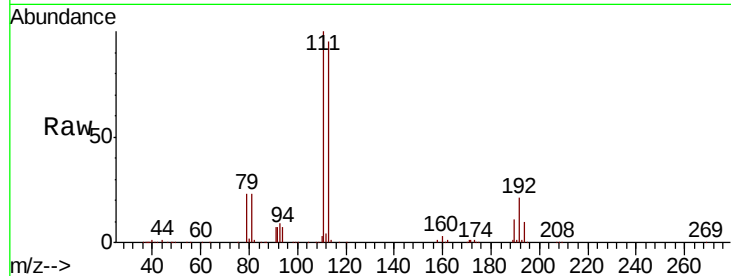




#35
 Dibromofluoromethane
 Concen: 51.253 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008911.D
 Acq: 01 Mar 2019 03:36

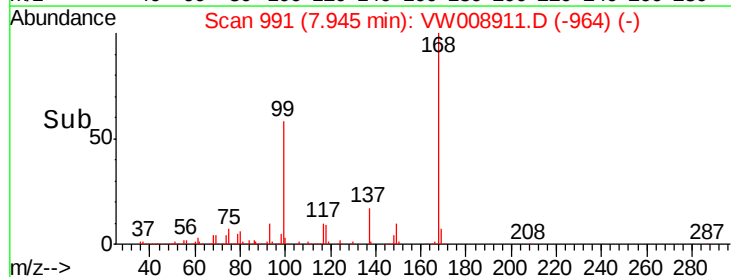
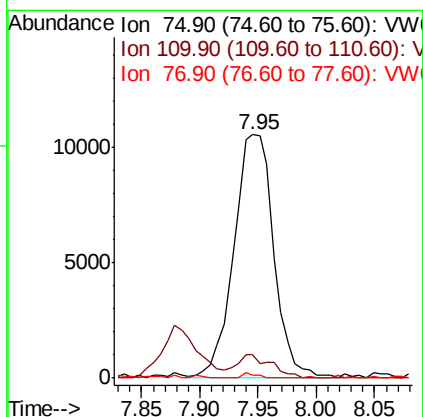
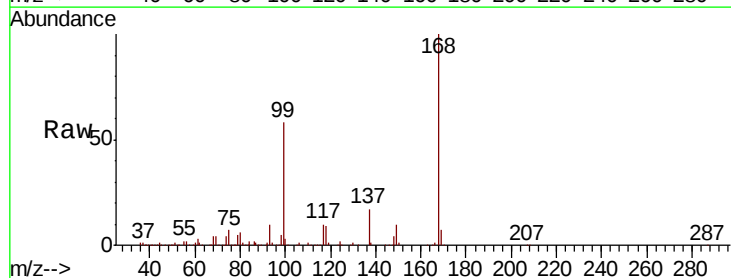
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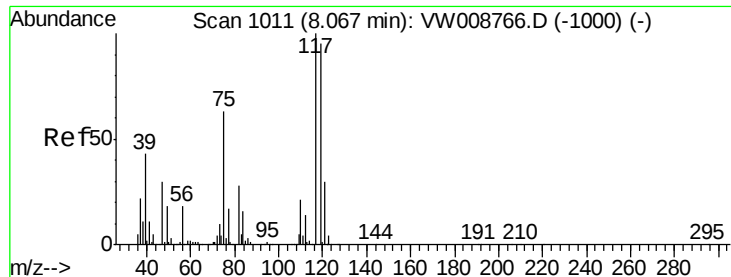
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	22.1	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 5.021 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008911.D
 Acq: 01 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.5	52.6#
77	0.8	24.5	36.7#

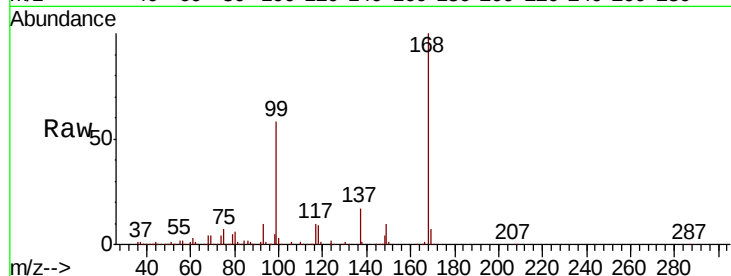




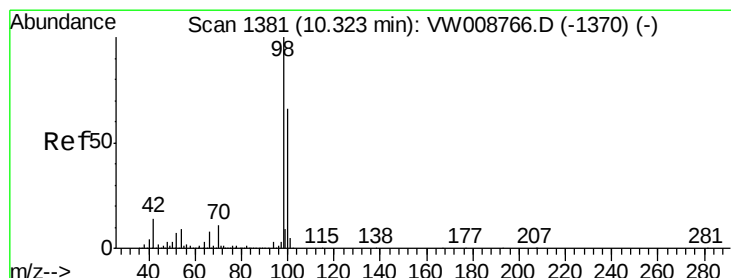
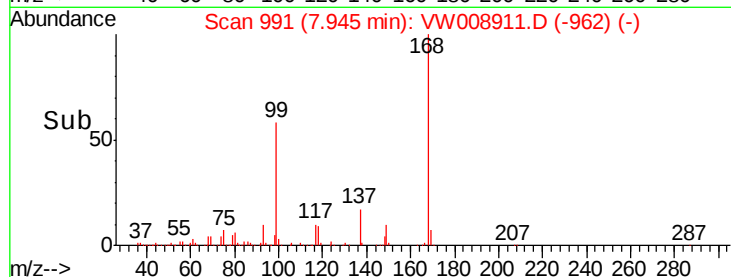
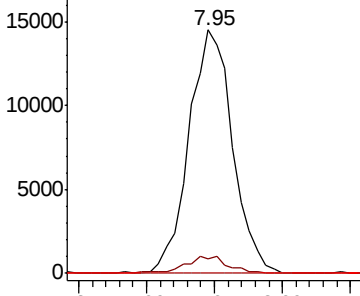
#38
Carbon Tetrachloride
Concen: 6.126 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008911.D
Acq: 01 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
200029

Tot Ion:117 Resp: 32436
Ion Ratio Lower Upper
117 100
119 6.1 76.1 114.1#
121 0.0 24.0 36.0#

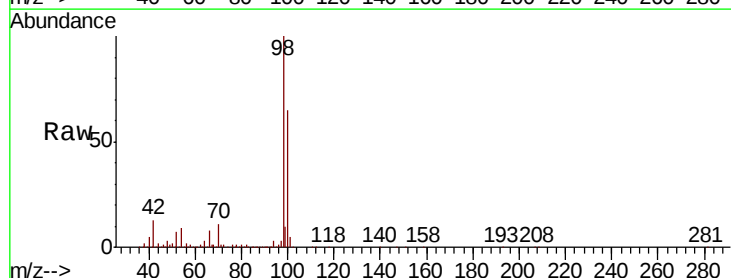


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

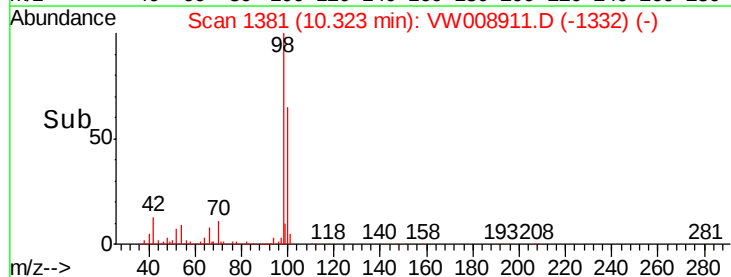
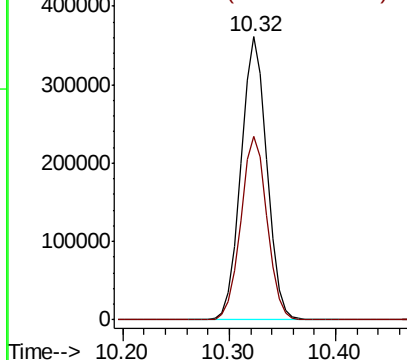


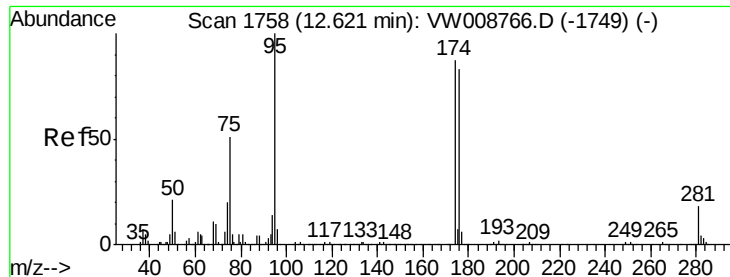
#50
Toluene-d8
Concen: 51.602 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008911.D
Acq: 01 Mar 2019 03:36

Tgt Ion: 98 Resp: 616842
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

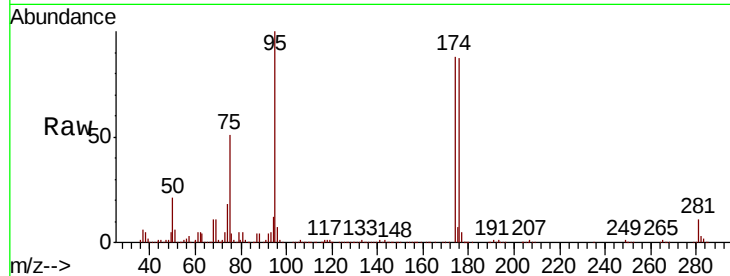




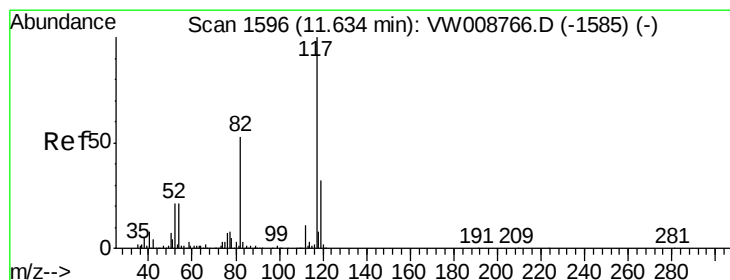
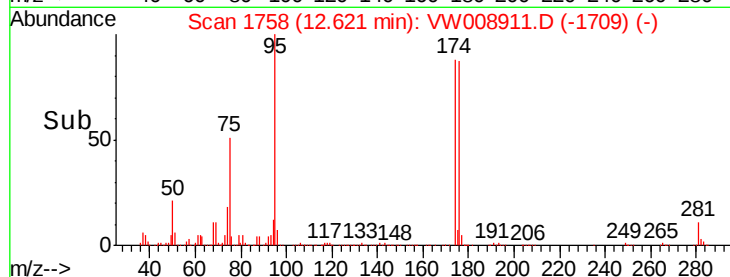
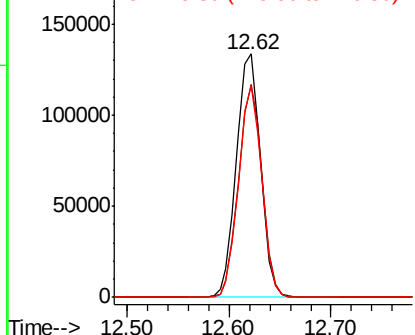
#62
4-Bromofluorobenzene
Concen: 46.553 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008911.D
Acq: 01 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
200029

Tot Ion: 95 Resp: 217889
Ion Ratio Lower Upper
95 100
174 85.4 0.0 169.2
176 83.5 0.0 163.6

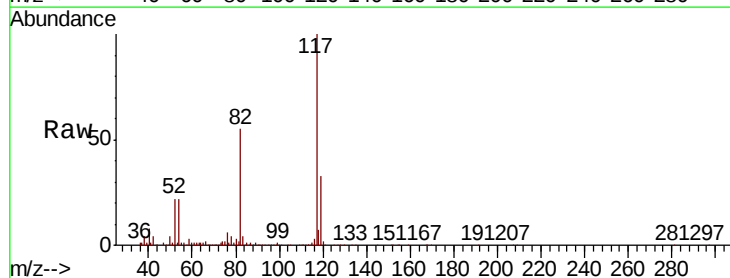


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

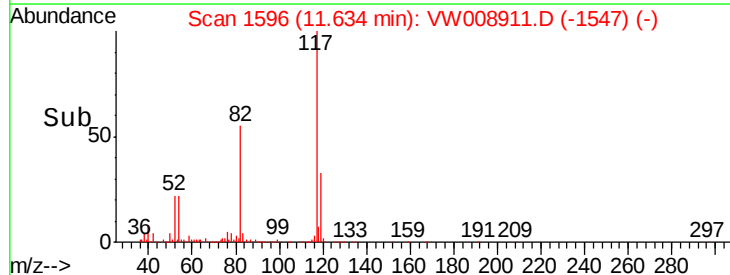
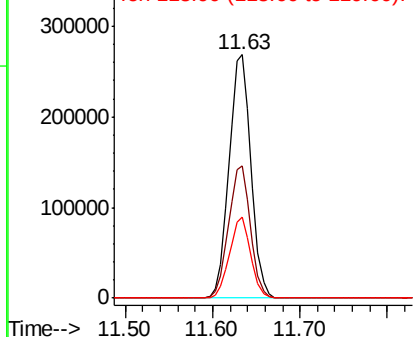


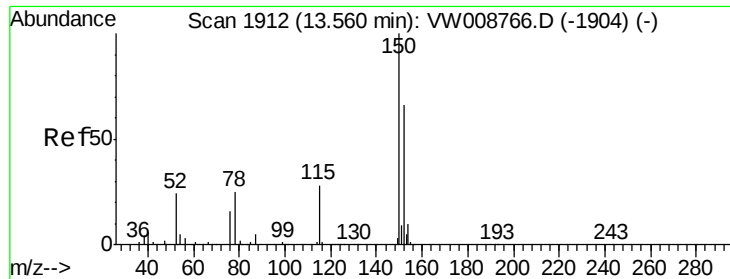
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008911.D
Acq: 01 Mar 2019 03:36

Tgt Ion: 117 Resp: 467749
Ion Ratio Lower Upper
117 100
82 54.5 42.2 63.4
119 33.4 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



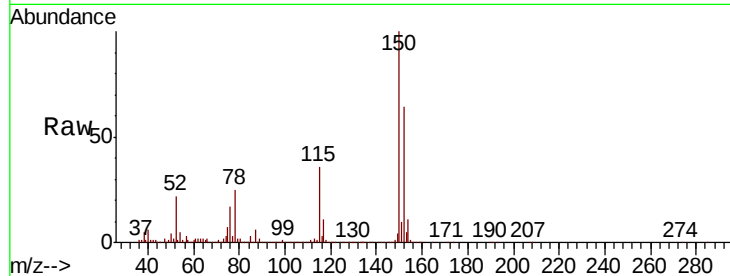


#72

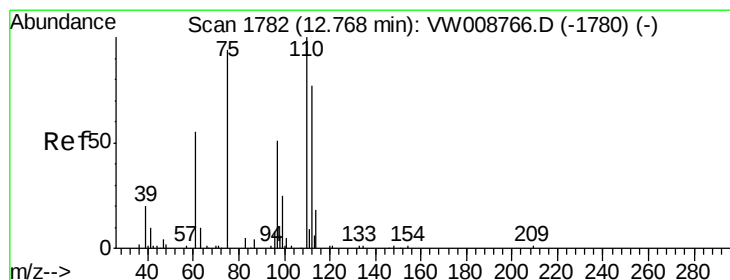
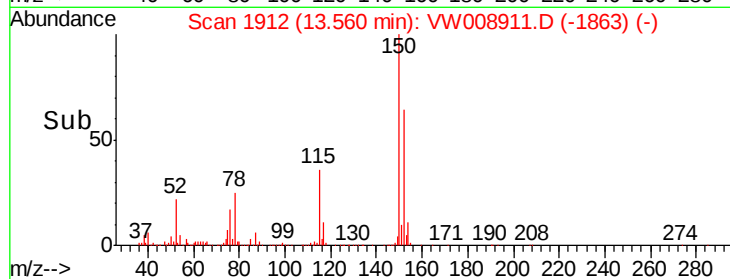
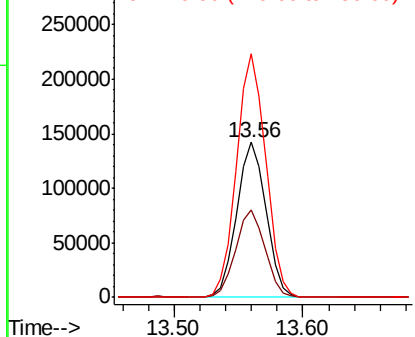
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008911.D
Acq: 01 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
200029

Tot Ion:152 Resp: 223145
Ion Ratio Lower Upper
152 100
115 56.7 28.6 85.8
150 157.6 0.0 348.0



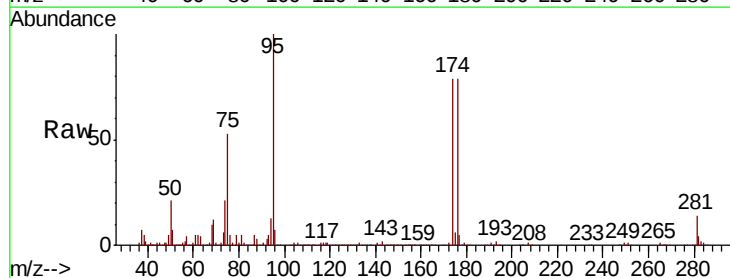
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



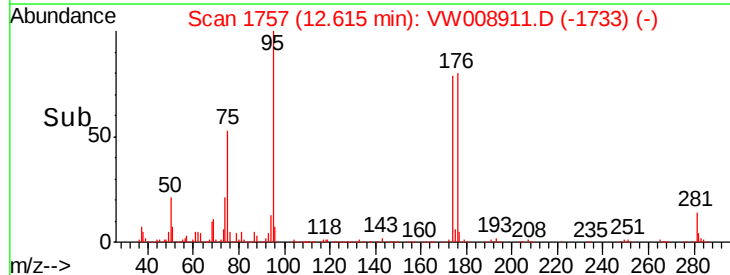
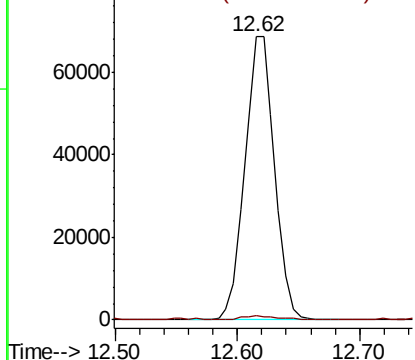
#76

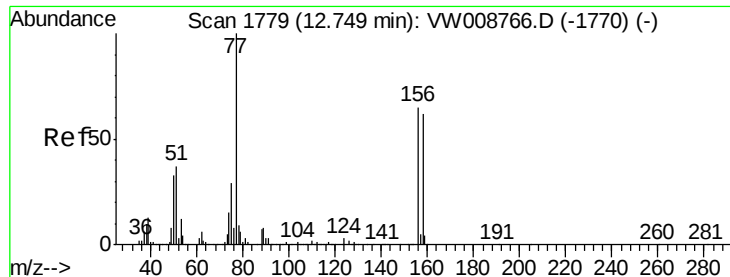
1,2,3-Trichloropropane
Concen: 62.567 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008911.D
Acq: 01 Mar 2019 03:36

Tgt Ion: 75 Resp: 115271
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



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





#77

Bromobenzene

Concen: 5.648 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.15 min

Lab File: VW008911.D

Acq: 01 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

200029

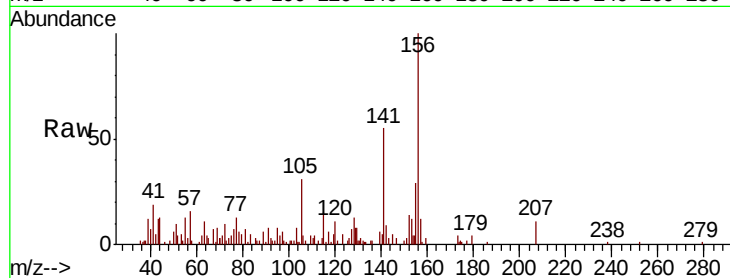
Tot Ion:156 Resp: 20419

Ion Ratio Lower Upper

156 100

77 0.0 89.1 267.4#

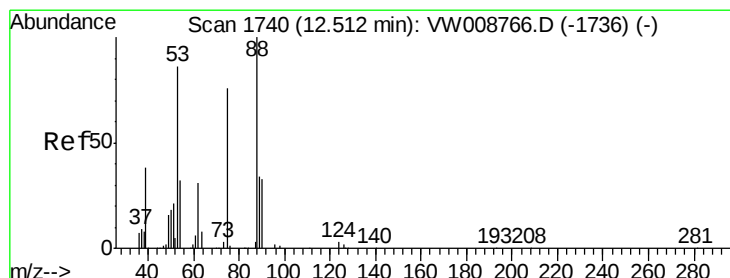
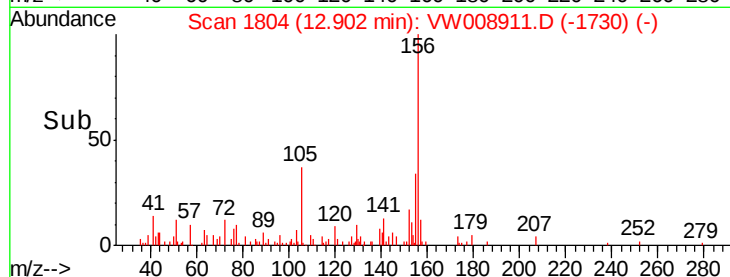
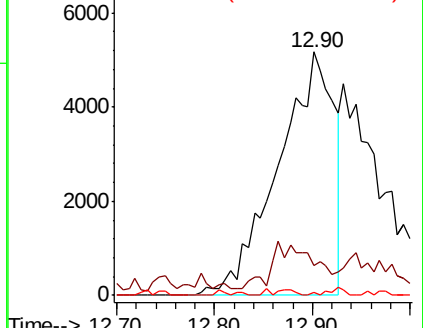
158 0.0 49.2 147.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 152.105 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008911.D

Acq: 01 Mar 2019 03:36

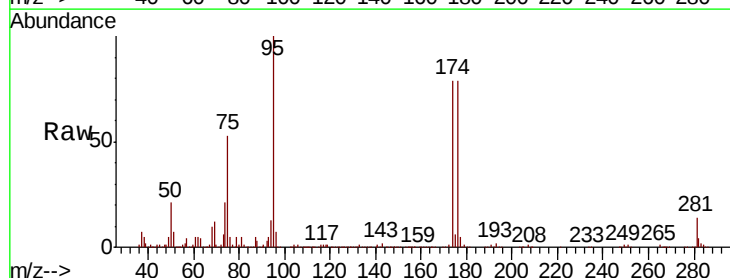
Tgt Ion: 75 Resp: 115271

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

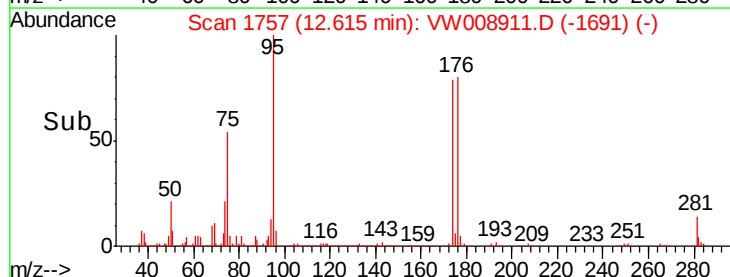
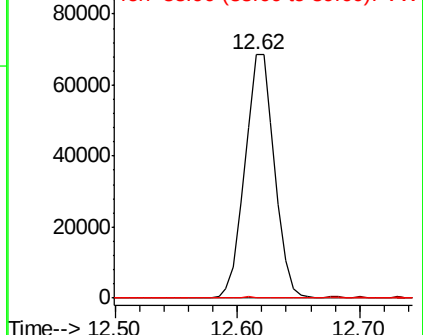
89 0.3 39.5 59.3#

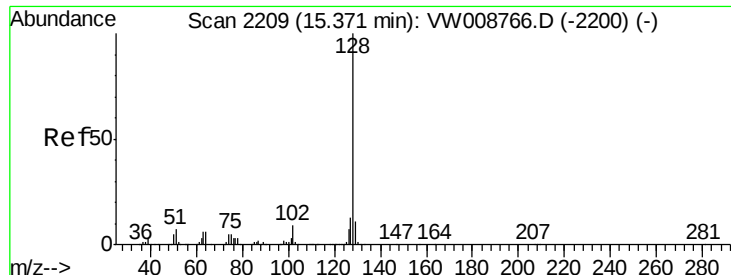


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

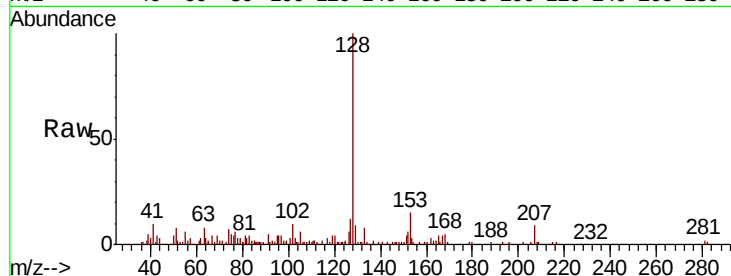




#95
Naphthalene
Concen: 2.744 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008911.D
Acq: 01 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
200029

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	11.8	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

