

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008697.D
 Acq On : 15 Feb 2019 20:53
 Operator : SY/VA
 Sample : K1515-08
 Misc : 6.32G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:37:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	373445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	573144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	513075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	259778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	219387	56.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.02%	
35) Dibromofluoromethane	7.88	113	183319	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.32	98	683213	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.62	95	248253	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

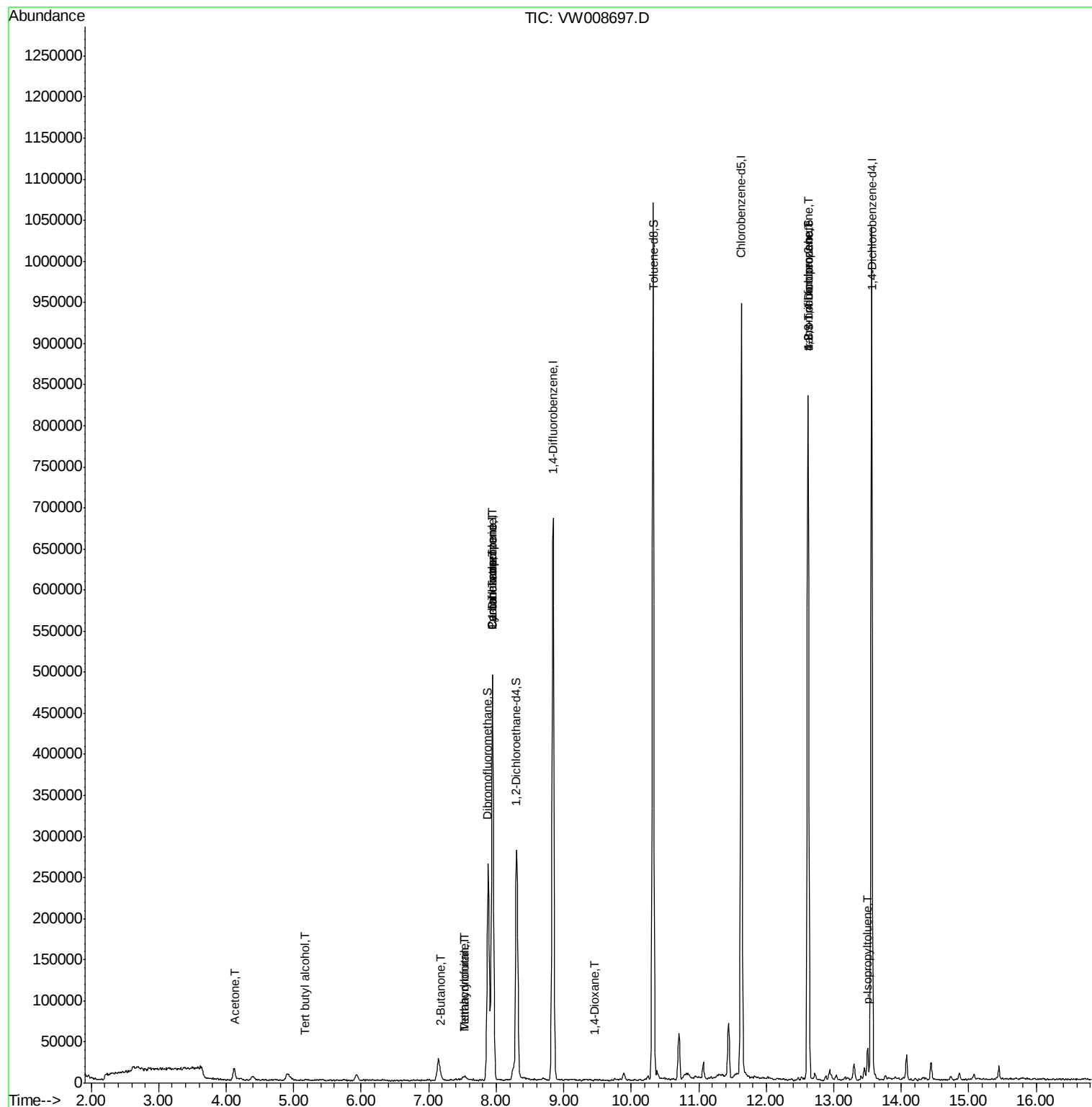
					Qvalue	
11) Tert butyl alcohol	5.17	59	808	2.601	ug/l	95
16) Acetone	4.12	43	23645	26.763	ug/l	93
20) Methylene Chloride	4.91	84	7200	Below Cal	#	85
25) 2-Butanone	7.18	43	6602	5.292	ug/l	99
29) Tetrahydrofuran	7.52	42	3991	4.854	ug/l #	79
31) Cyclohexane	7.95	56	8374	1.179	ug/l #	34
36) 1,1-Dichloropropene	7.94	75	27442	4.766	ug/l #	42
38) Carbon Tetrachloride	7.95	117	35983	6.284	ug/l #	16
41) Methacrylonitrile	7.52	41	2700	1.728	ug/l #	38
49) 1,4-Dioxane	9.45	88	49	1.432	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	129579	50.515	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	129579	108.282	ug/l #	6
86) p-Isopropyltoluene	13.50	119	20449	1.125	ug/l	97

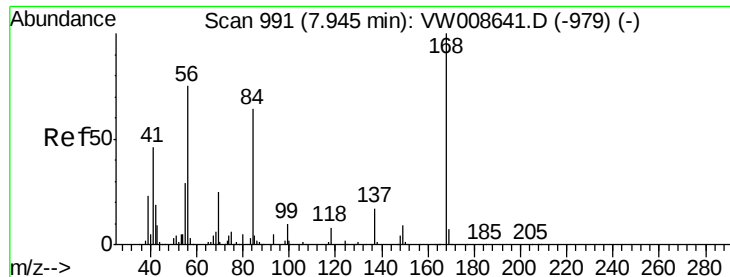
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008697.D

Acq: 15 Feb 2019 20:53

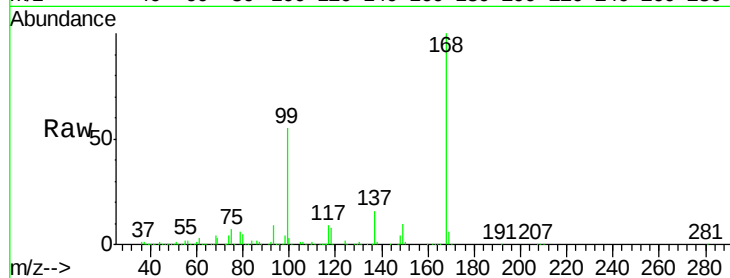
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 373445

Ion Ratio Lower Upper

168 100

99 55.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

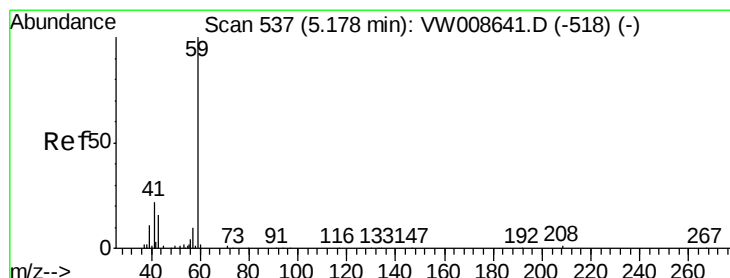
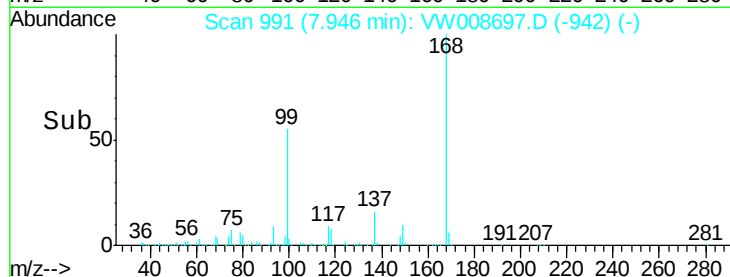
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.601 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW008697.D

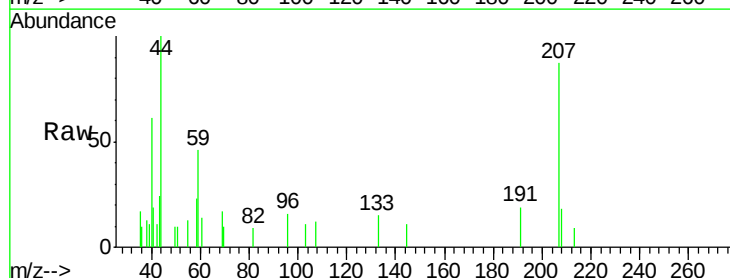
Acq: 15 Feb 2019 20:53

Tgt Ion: 59 Resp: 808

Ion Ratio Lower Upper

59 100

57 8.5 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

500

400

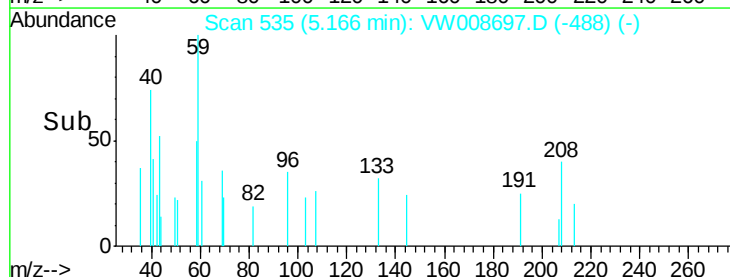
300

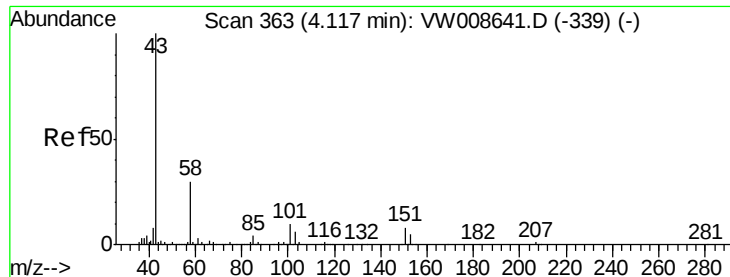
200

100

0

Time--> 5.10 5.15





#16

Acetone

Concen: 26.763 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008697.D

Acq: 15 Feb 2019 20:53

Instrument :

MSVOA_W

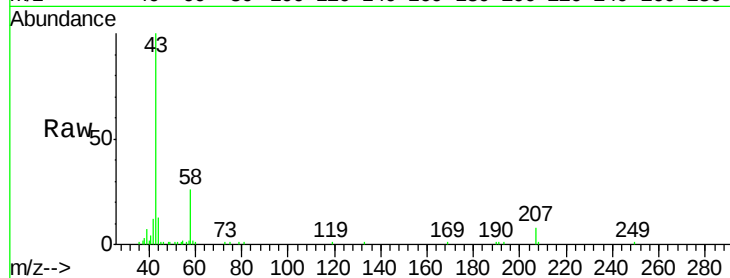
ClientSampleId :

Tot Ion: 43 Resp: 23645

Ion Ratio Lower Upper

43 100

58 26.3 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

10000

8000

6000

4000

2000

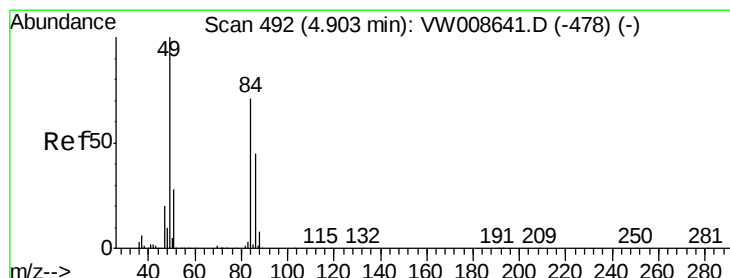
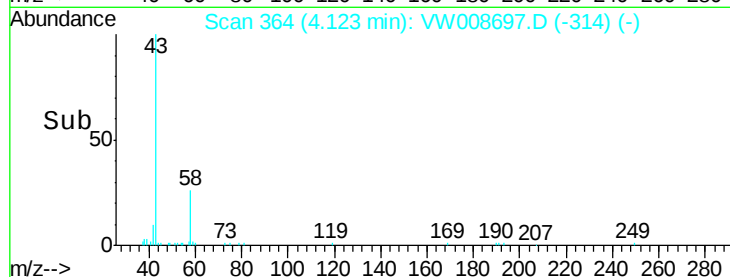
0

Time-->

4.00

4.10

4.20



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008697.D

Acq: 15 Feb 2019 20:53

Tgt Ion: 84 Resp: 7200

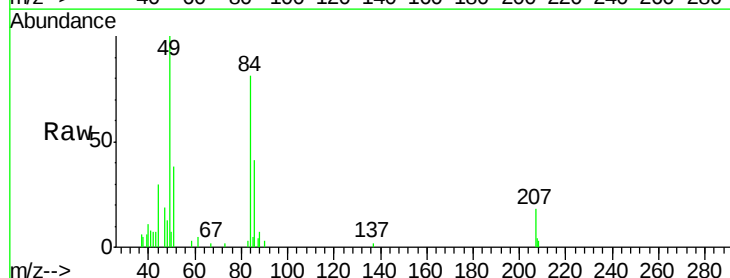
Ion Ratio Lower Upper

84 100

49 123.2 113.3 169.9

51 43.2 32.1 48.1

86 47.9 50.9 76.3#



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

3000

2000

1000

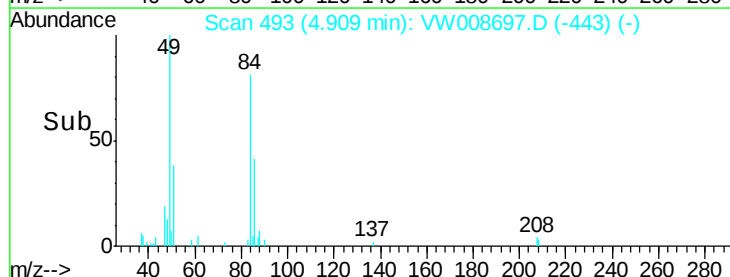
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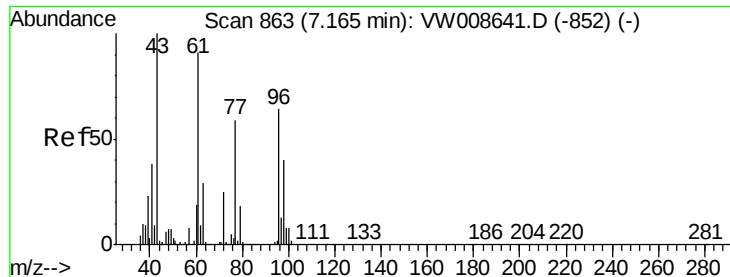
Time-->

4.80

4.90

5.00





#25

2-Butanone

Concen: 5.292 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008697.D

Acq: 15 Feb 2019 20:53

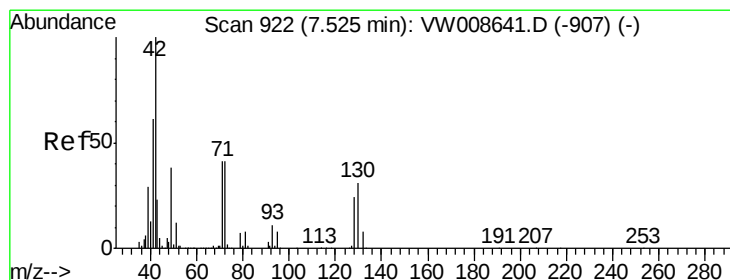
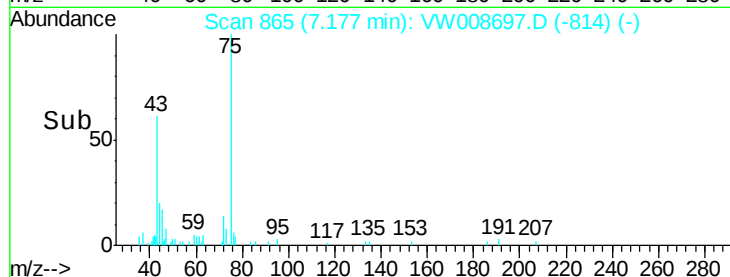
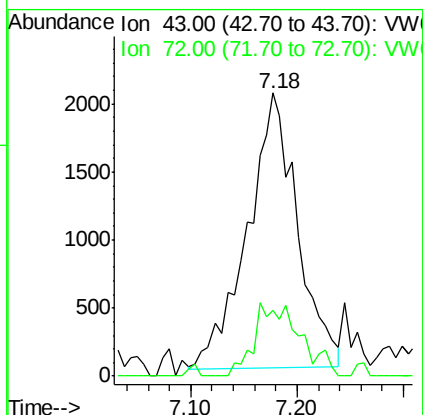
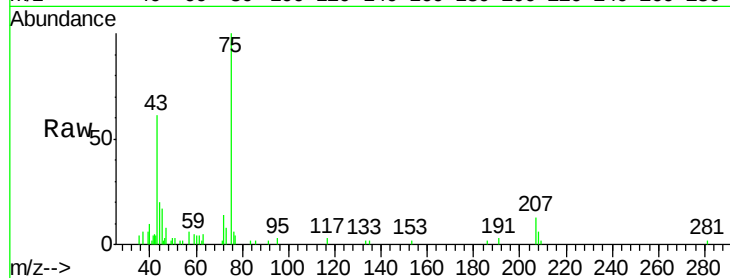
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 6602

Ion Ratio Lower Upper

43 100

72 24.3 19.7 29.5



#29

Tetrahydrofuran

Concen: 4.854 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW008697.D

Acq: 15 Feb 2019 20:53

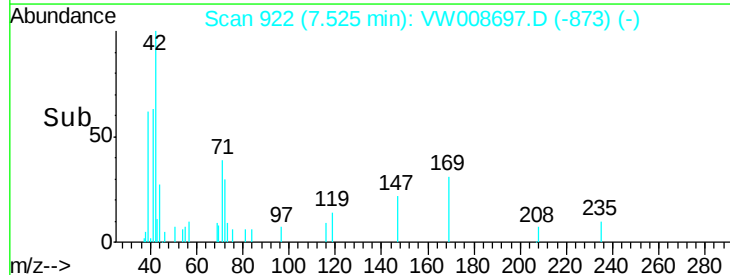
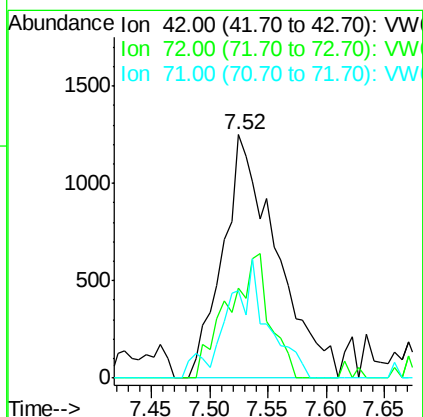
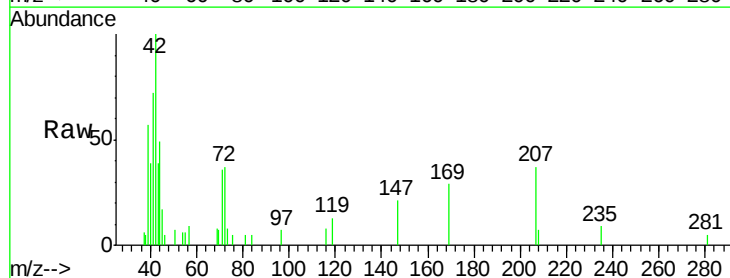
Tgt Ion: 42 Resp: 3991

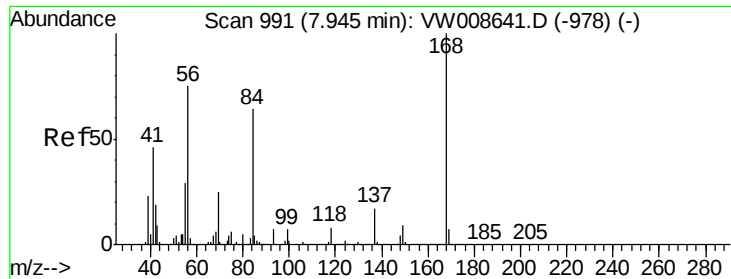
Ion Ratio Lower Upper

42 100

72 39.8 32.2 48.2

71 12.8 31.0 46.6#

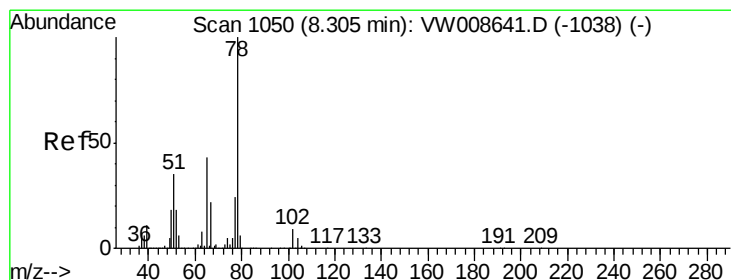
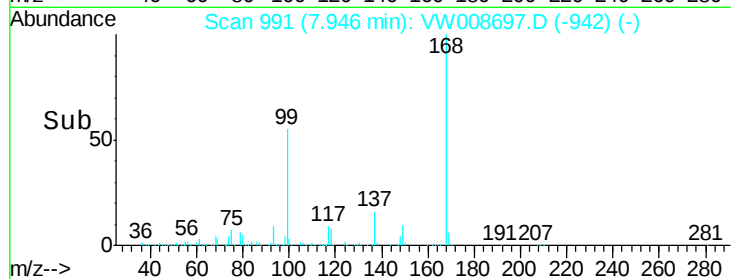
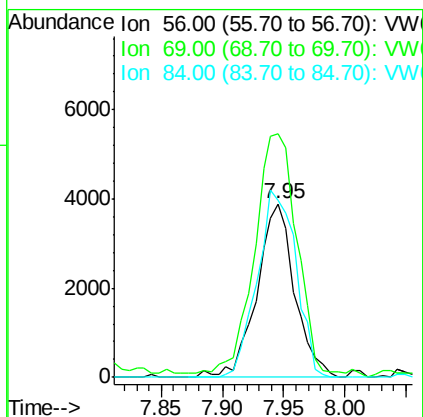
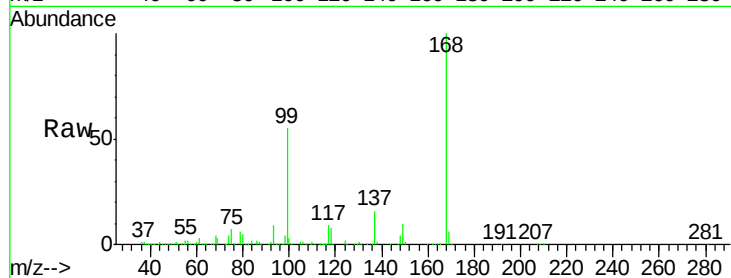




#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.95 min Scan# 991
Delta R.T. 0.00 min
Lab File: VW008697.D
Acq: 15 Feb 2019 20:53

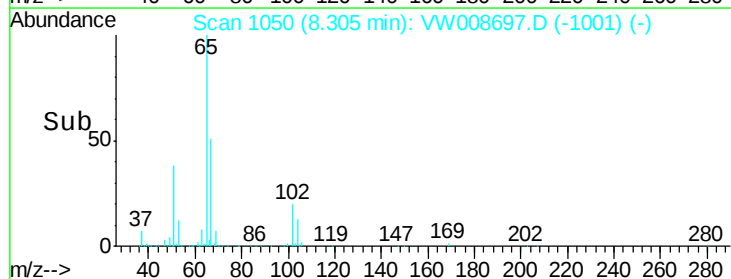
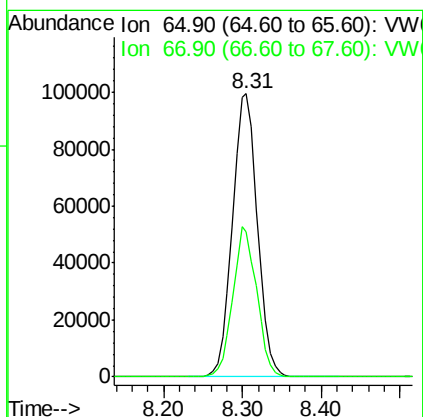
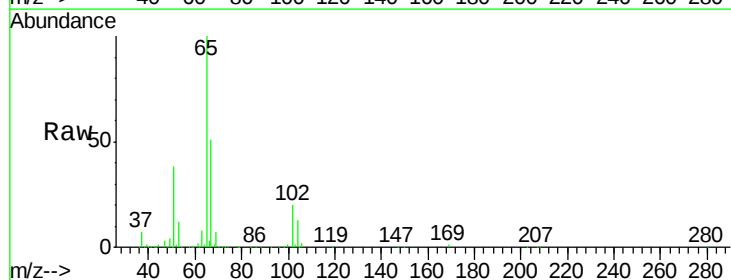
Instrument :
MSVOA_W
ClientSampled :

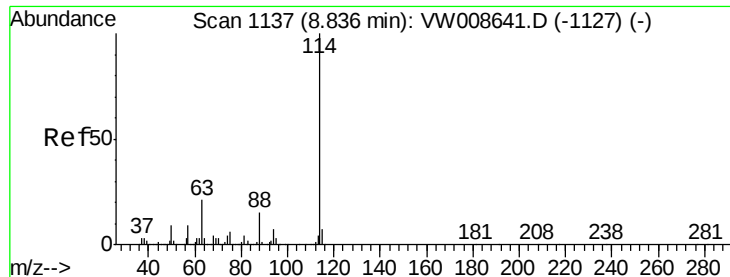
Tot Ion: 56 Resp: 8374
Ion Ratio Lower Upper
56 100
69 137.8 26.4 39.6#
84 102.1 67.4 101.2#



#33
1,2-Dichloroethane-d4
Concen: 56.507 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008697.D
Acq: 15 Feb 2019 20:53

Tgt Ion: 65 Resp: 219387
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.0

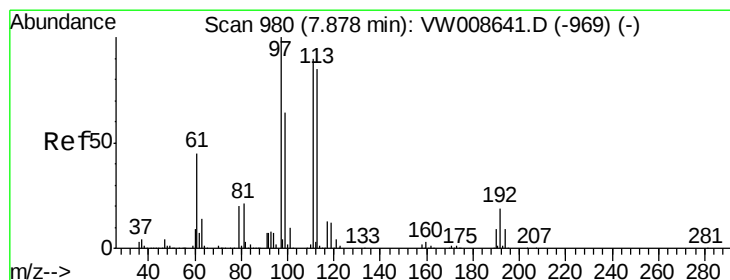
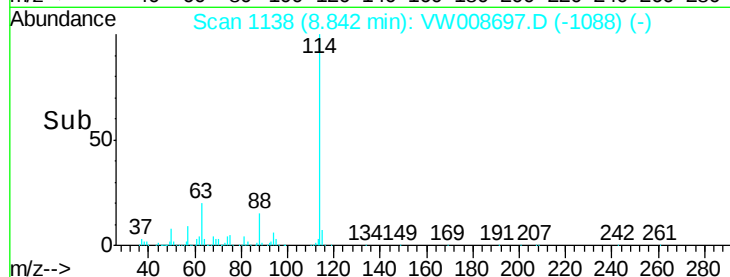
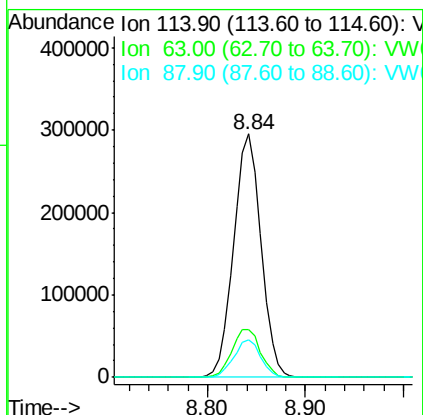
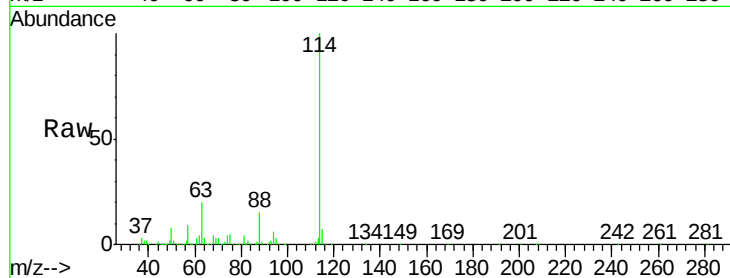




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008697.D
 Acq: 15 Feb 2019 20:53

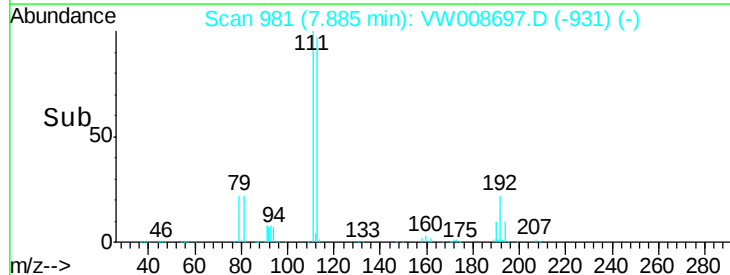
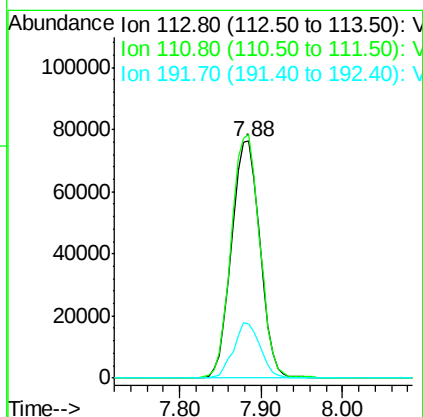
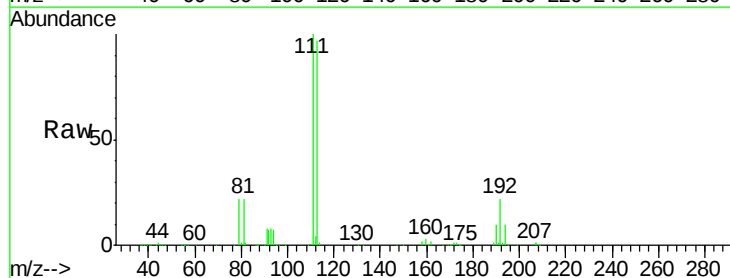
Instrument :
 MSVOA_W
 ClientSampleId :

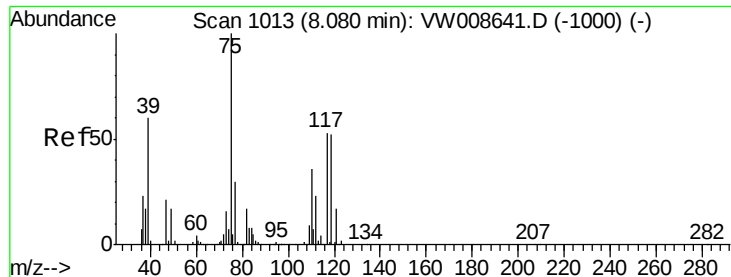
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.2
88	15.2	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 51.510 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW008697.D
 Acq: 15 Feb 2019 20:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	84.0	126.0
192	21.9	17.4	26.2

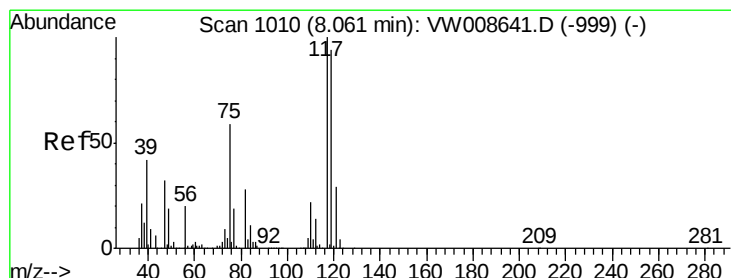
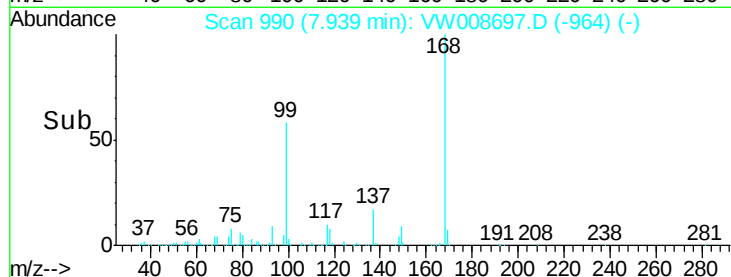
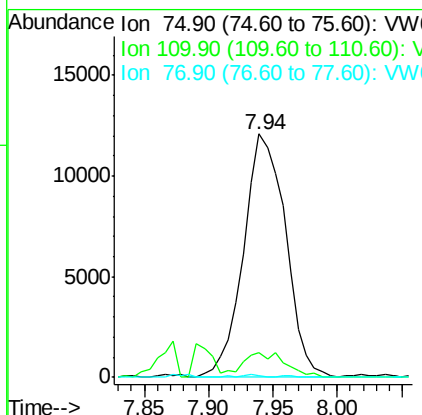
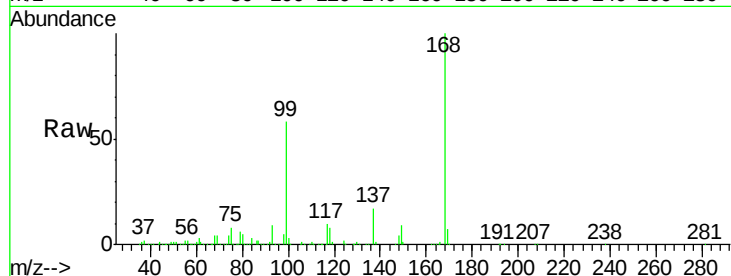




#36
 1,1-Dichloropropene
 Concen: 4.766 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008697.D
 Acq: 15 Feb 2019 20:53

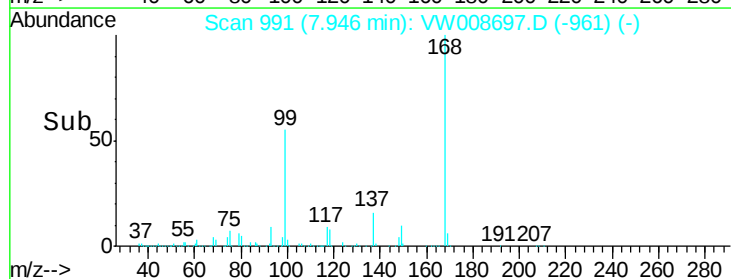
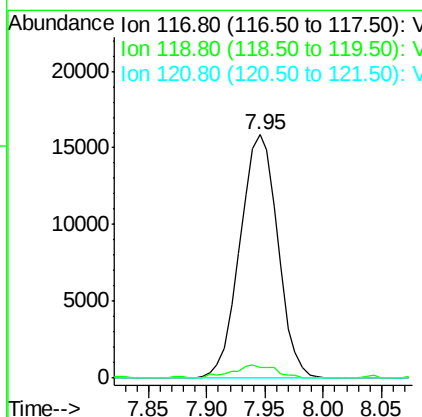
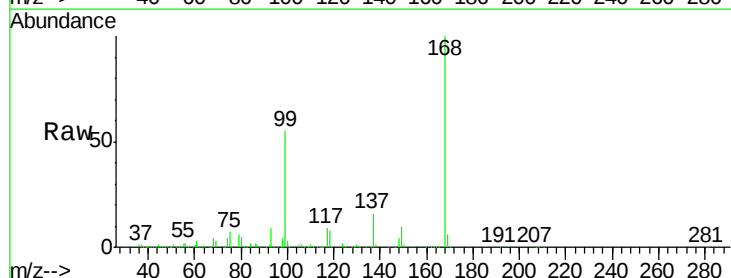
Instrument :
 MSVOA_W
 ClientSampleId :

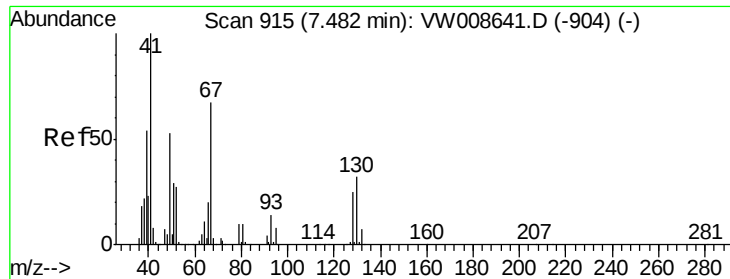
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.3#
77	0.5	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.284 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008697.D
 Acq: 15 Feb 2019 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.1	112.7#
121	0.0	23.5	35.3#

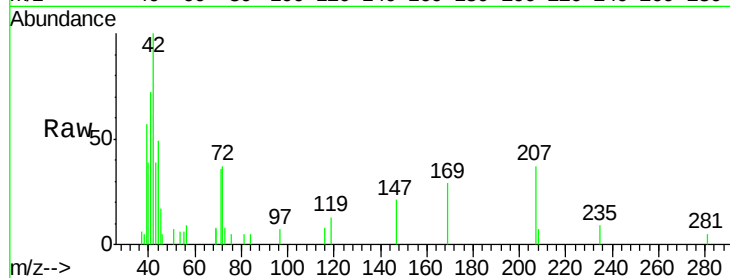




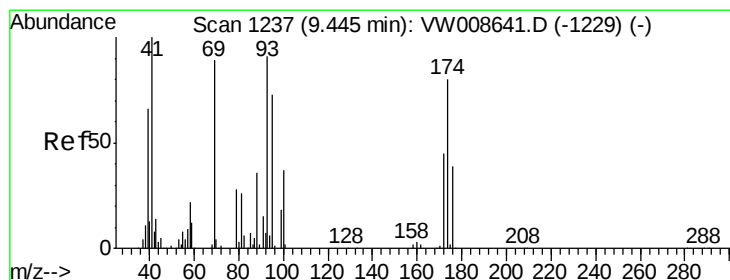
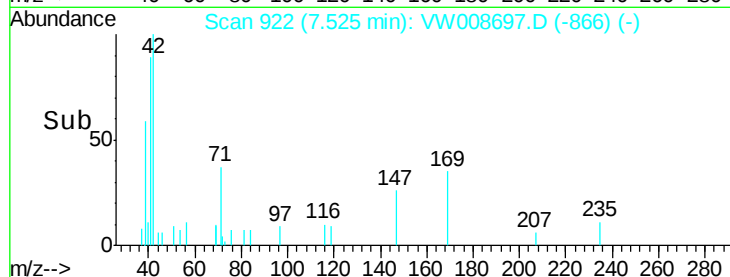
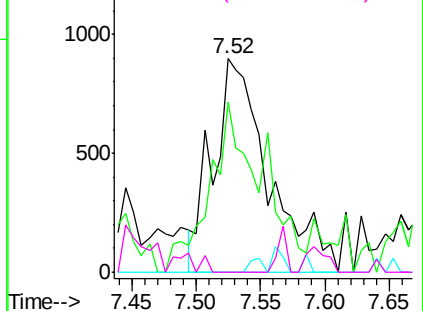
#41
Methacrylonitrile
Concen: 1.728 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW008697.D
Acq: 15 Feb 2019 20:53

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.4	39.7	59.5#
67	0.0	52.5	78.7#
52	0.0	23.1	34.7#

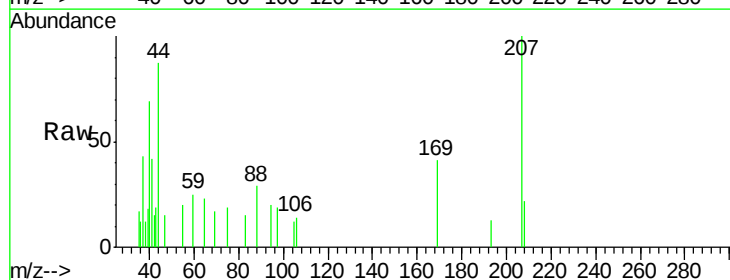


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

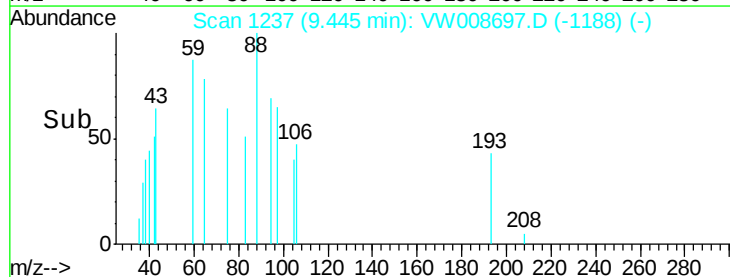
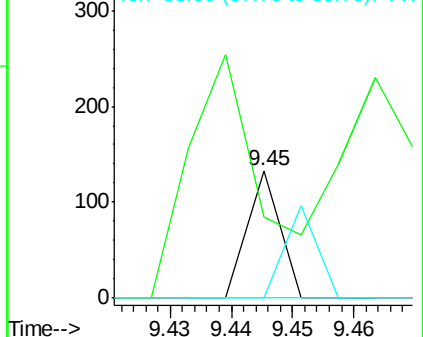


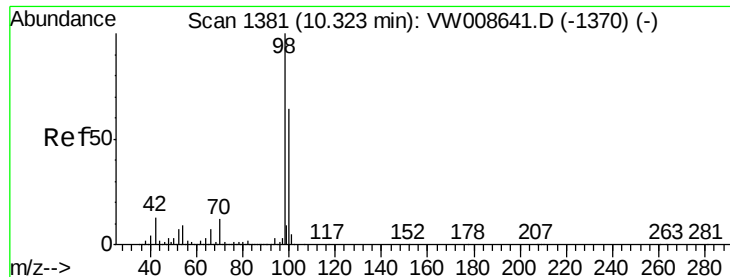
#49
1,4-Dioxane
Concen: 1.432 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008697.D
Acq: 15 Feb 2019 20:53

Tgt Ion	Ratio	Lower	Upper
88	100		
43	420.4	31.0	46.6#
58	71.4	57.0	85.6



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: 49.800 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008697.D

Acq: 15 Feb 2019 20:53

Instrument :

MSVOA_W

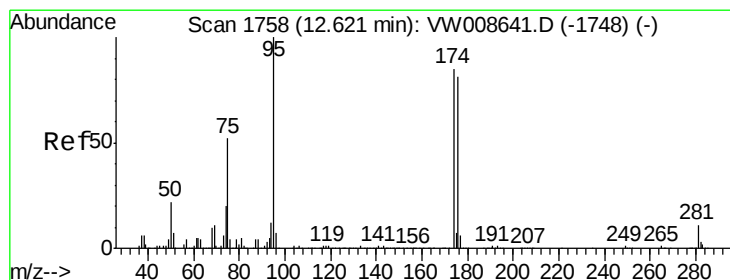
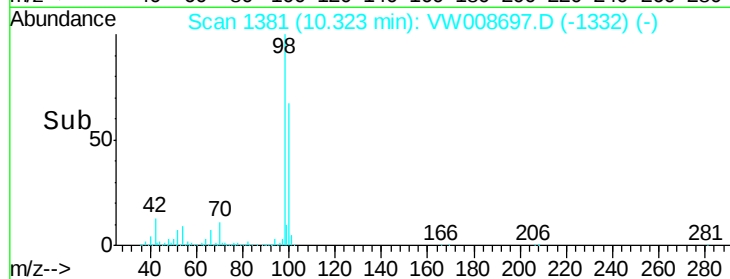
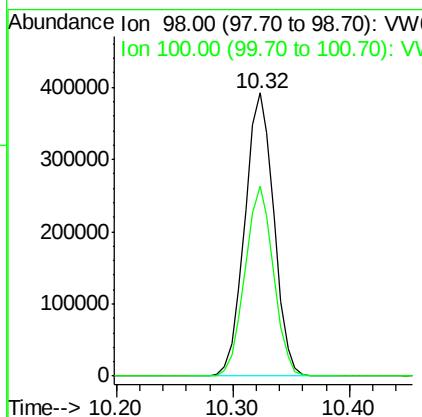
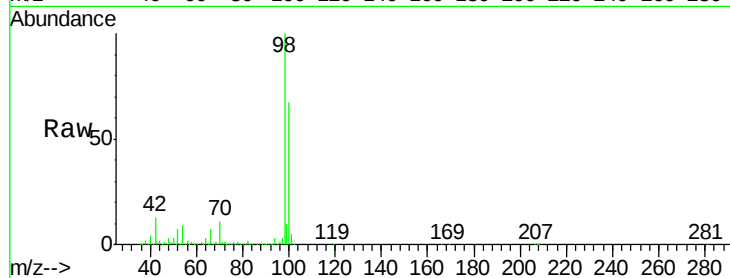
ClientSampleId :

Tot Ion: 98 Resp: 683213

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 48.041 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008697.D

Acq: 15 Feb 2019 20:53

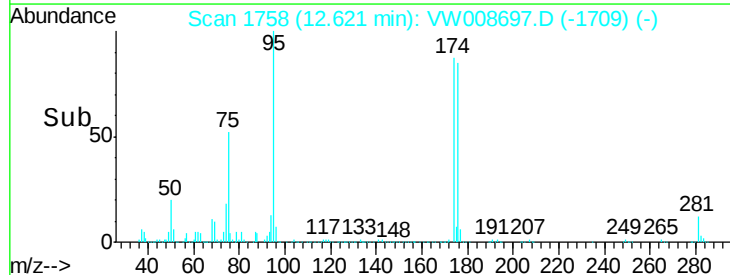
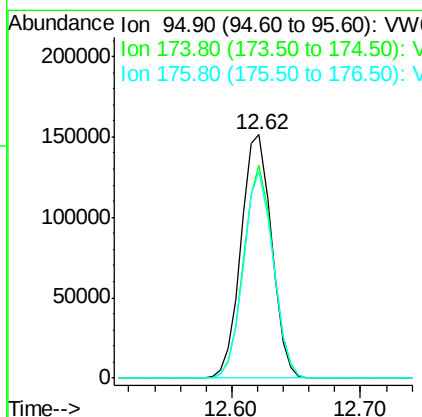
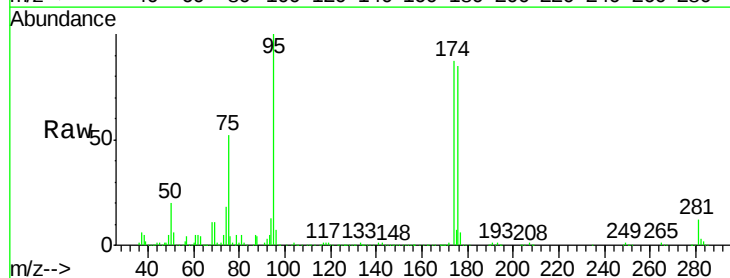
Tgt Ion: 95 Resp: 248253

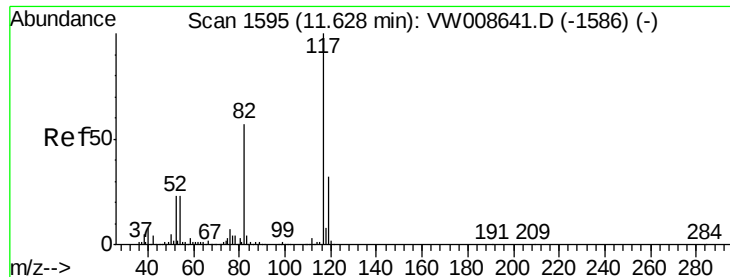
Ion Ratio Lower Upper

95 100

174 84.1 0.0 163.2

176 82.0 0.0 158.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW008697.D

Acq: 15 Feb 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

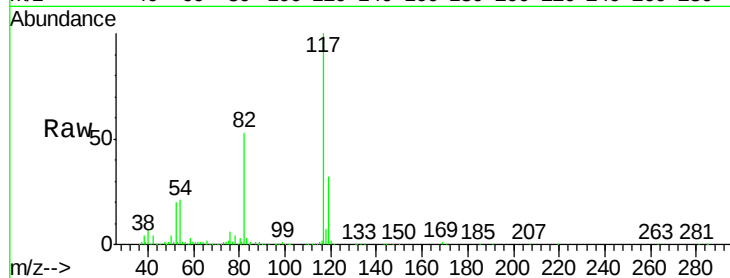
Tot Ion:117 Resp: 513075

Ion Ratio Lower Upper

117 100

82 52.9 45.6 68.4

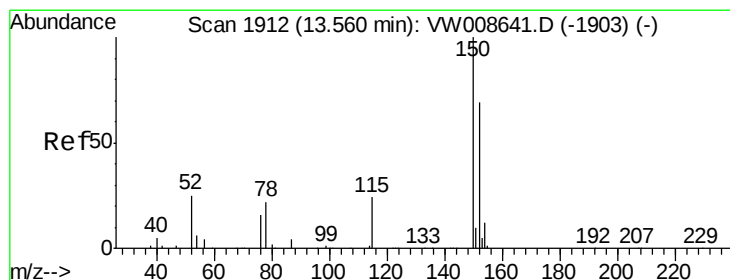
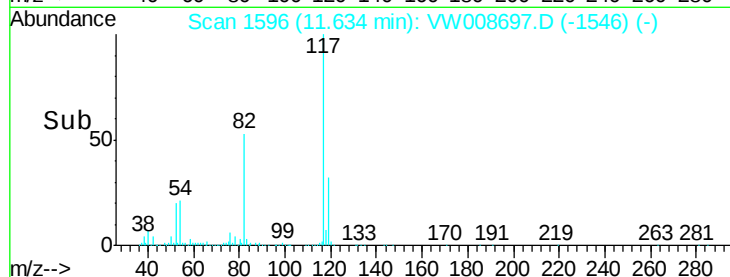
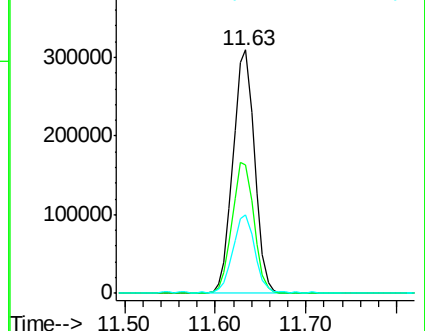
119 31.8 25.7 38.5



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: VW008697.D

Acq: 15 Feb 2019 20:53

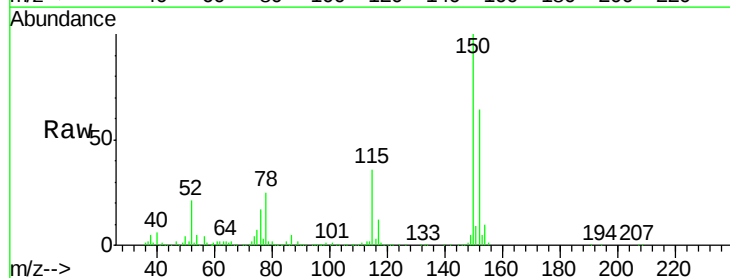
Tgt Ion:152 Resp: 259778

Ion Ratio Lower Upper

152 100

115 56.4 29.3 87.8

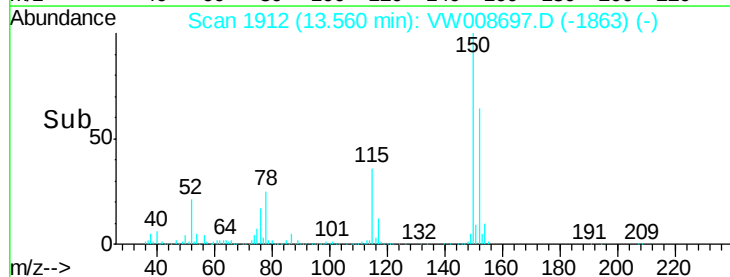
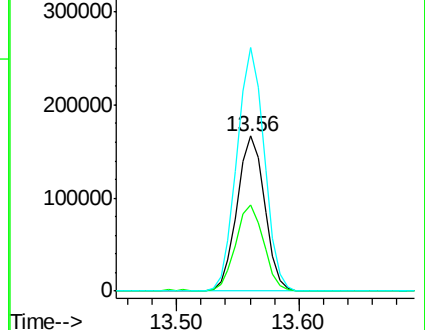
150 156.2 0.0 352.8

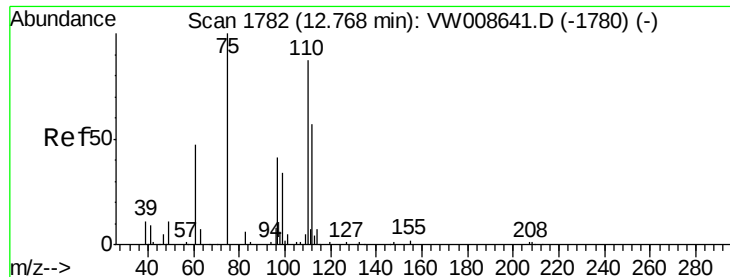


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 50.515 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008697.D

Acq: 15 Feb 2019 20:53

Instrument :

MSVOA_W

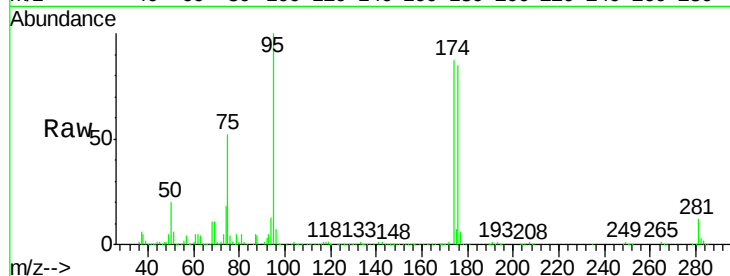
ClientSampleId :

Tot Ion: 75 Resp: 129579

Ion Ratio Lower Upper

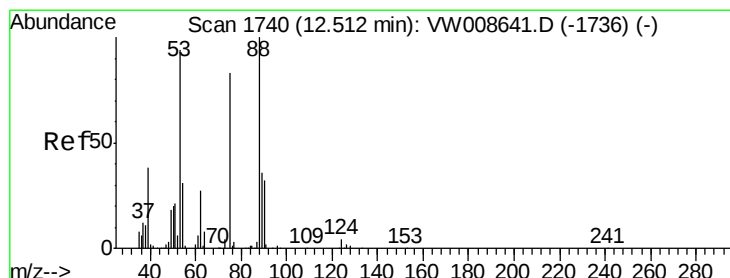
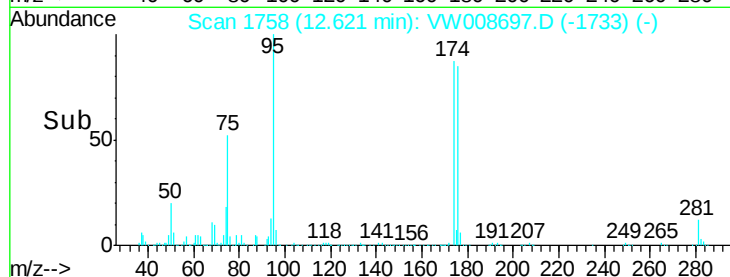
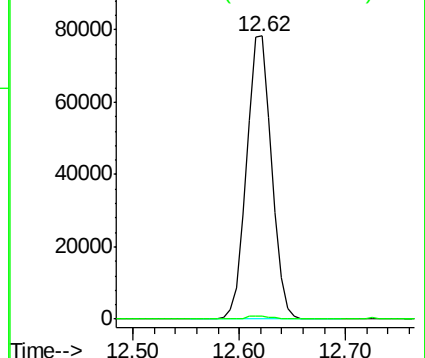
75 100

77 1.2 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: 108.282 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008697.D

Acq: 15 Feb 2019 20:53

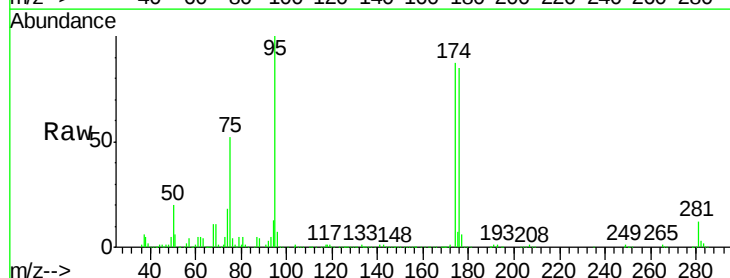
Tgt Ion: 75 Resp: 129579

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.0#

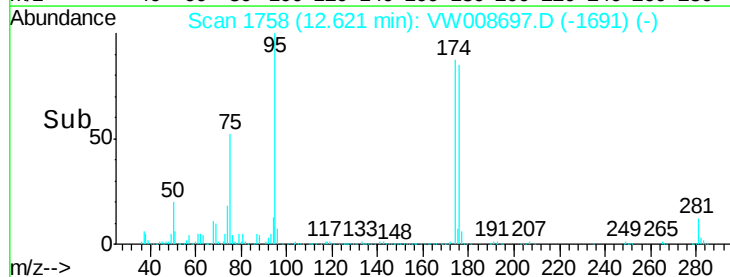
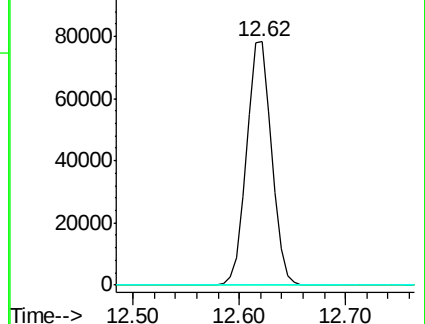
89 0.1 37.0 55.4#

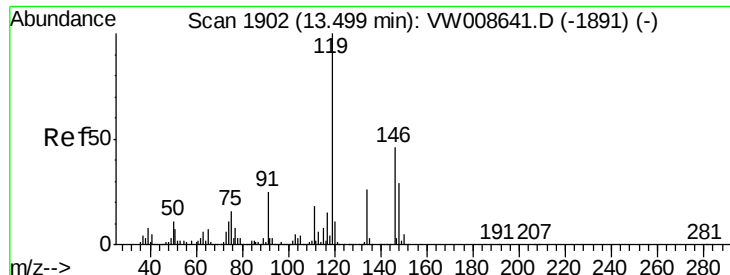


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#86

p-Isopropyltoluene

Concen: 1.125 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008697.D

Acq: 15 Feb 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

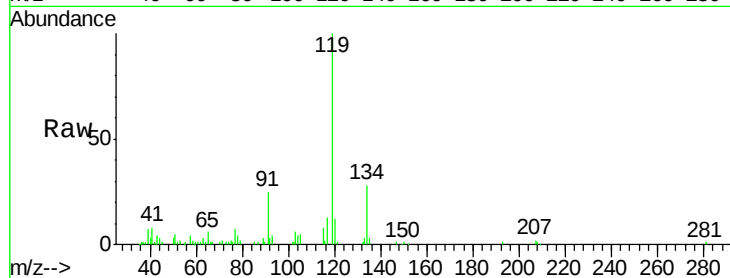
Tot Ion:119 Resp: 20449

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 27.7 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

