

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008678.D
 Acq On : 15 Feb 2019 12:23
 Operator : SY/VA
 Sample : K1486-01
 Misc : 11.5G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:33:04 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	363086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	545754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	474956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	234973	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	199597	52.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.76%	
35) Dibromofluoromethane	7.88	113	170055	50.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.36%	
50) Toluene-d8	10.32	98	638881	48.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.62	95	223349	45.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.78%	

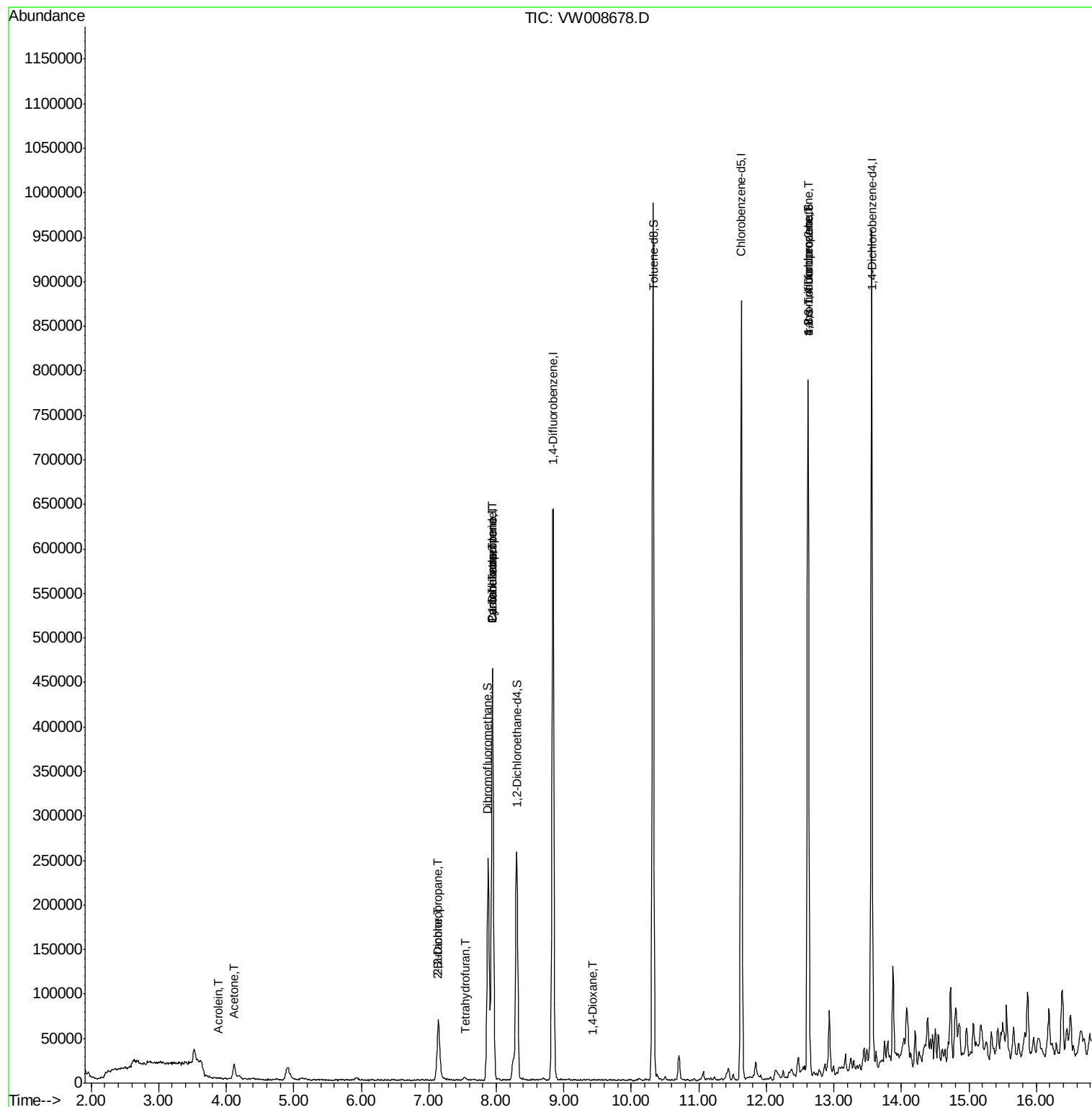
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.89	56	321	1.032	ug/l #	14
16) Acetone	4.12	43	28302	32.949	ug/l	97
20) Methylene Chloride	4.91	84	12501	Below Cal		87
25) 2-Butanone	7.13	43	2150	1.773	ug/l #	59
26) 2,2-Dichloropropane	7.14	77	5188	1.214	ug/l #	52
29) Tetrahydrofuran	7.54	42	2330	2.914	ug/l #	68
31) Cyclohexane	7.94	56	8202	1.188	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	27580	5.030	ug/l #	49
38) Carbon Tetrachloride	7.94	117	35167	6.450	ug/l #	17
49) 1,4-Dioxane	9.44	88	96	2.946	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	118721	51.168	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	118721	109.649	ug/l #	7

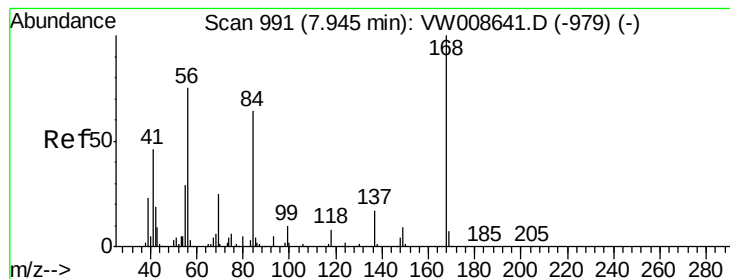
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008678.D

Acq: 15 Feb 2019 12:23

Instrument :

MSVOA_W

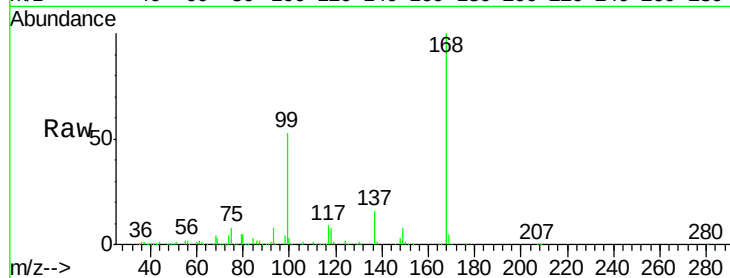
ClientSampleId :

Tot Ion:168 Resp: 363086

Ion Ratio Lower Upper

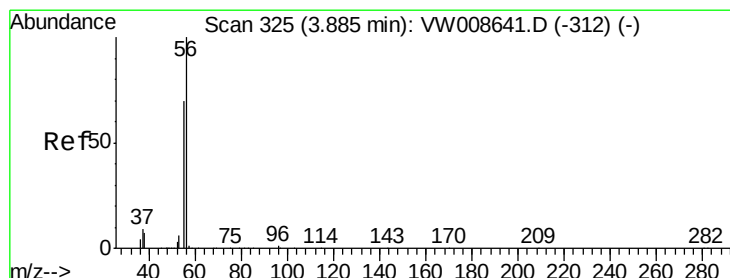
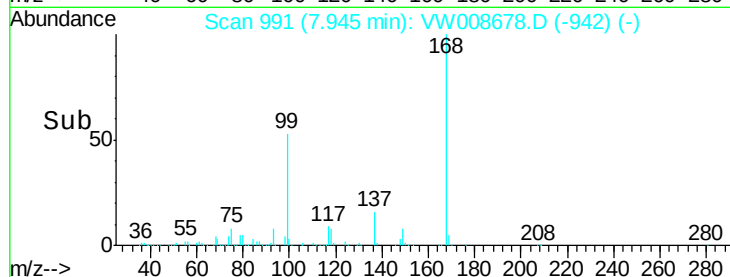
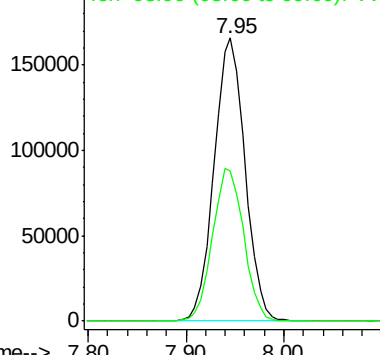
168 100

99 53.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 1.032 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008678.D

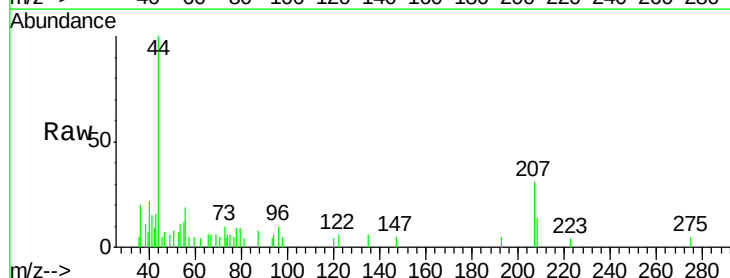
Acq: 15 Feb 2019 12:23

Tgt Ion: 56 Resp: 321

Ion Ratio Lower Upper

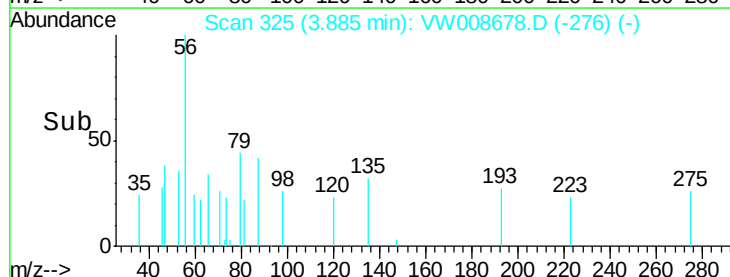
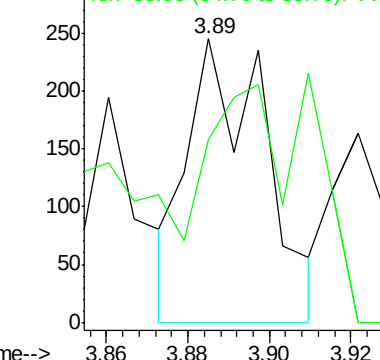
56 100

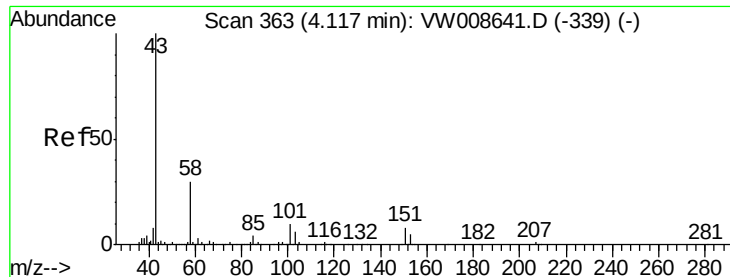
55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 32.949 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008678.D

Acq: 15 Feb 2019 12:23

Instrument :

MSVOA_W

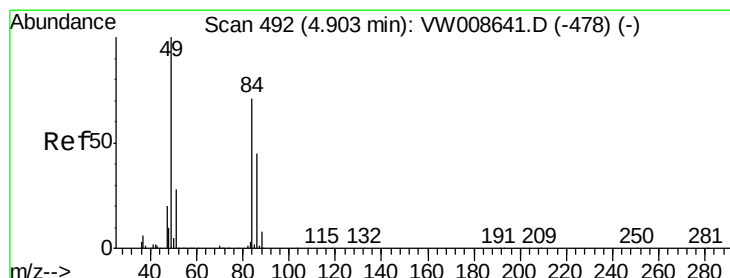
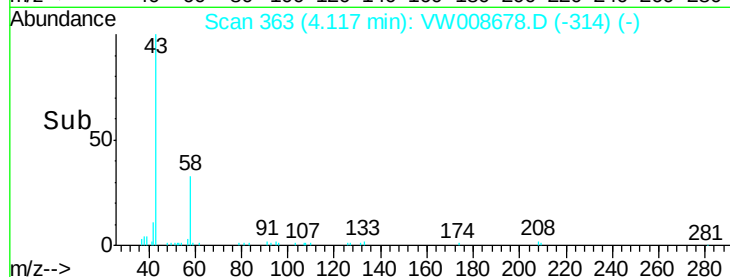
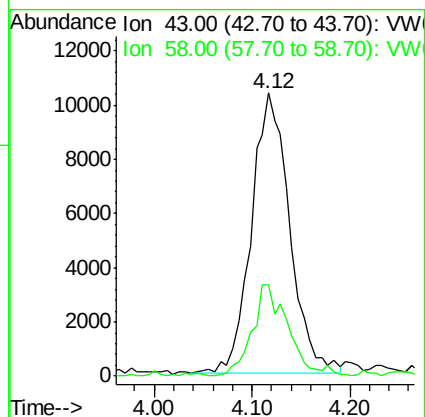
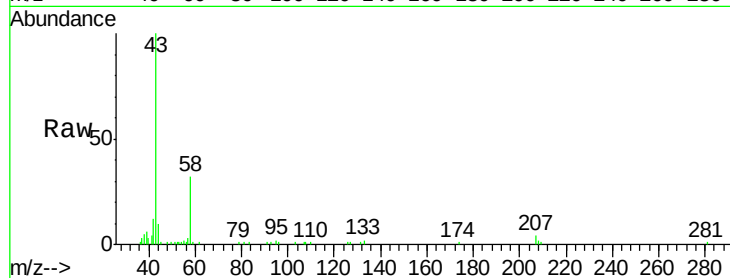
ClientSampled :

Tot Ion: 43 Resp: 28302

Ion Ratio Lower Upper

43 100

58 31.9 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008678.D

Acq: 15 Feb 2019 12:23

Tgt Ion: 84 Resp: 12501

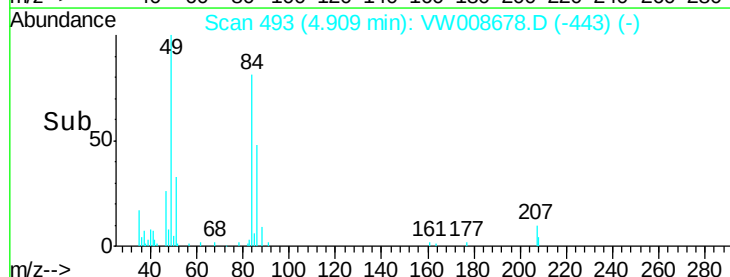
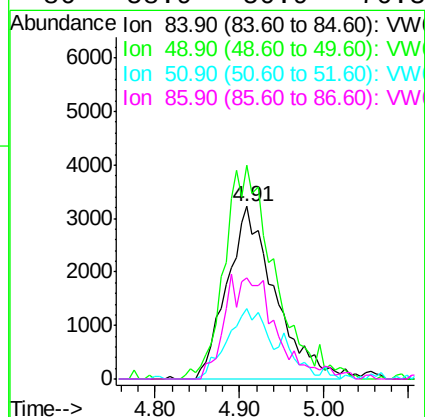
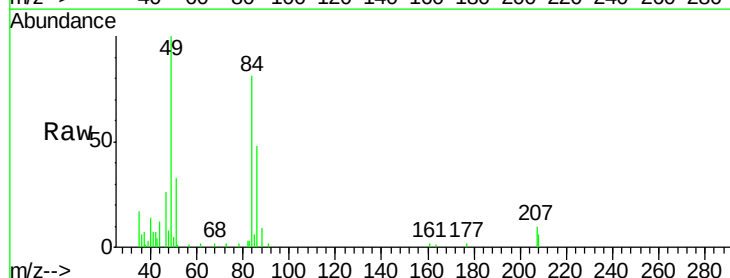
Ion Ratio Lower Upper

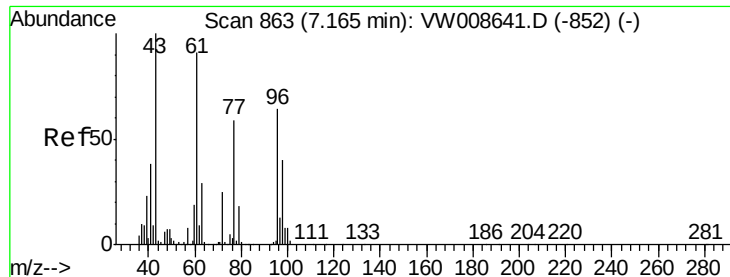
84 100

49 117.9 113.3 169.9

51 40.8 32.1 48.1

86 58.9 50.9 76.3





#25

2-Butanone

Concen: 1.773 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW008678.D

Acq: 15 Feb 2019 12:23

Instrument :

MSVOA_W

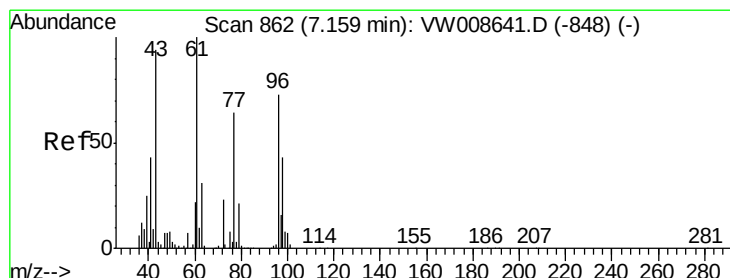
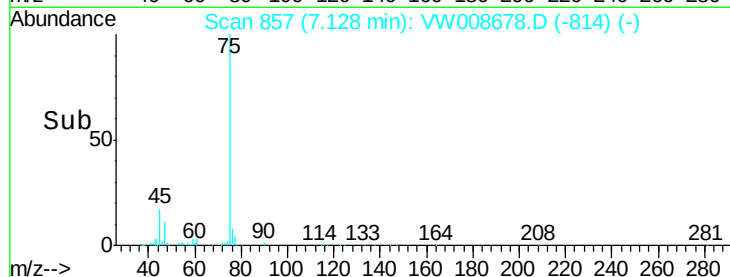
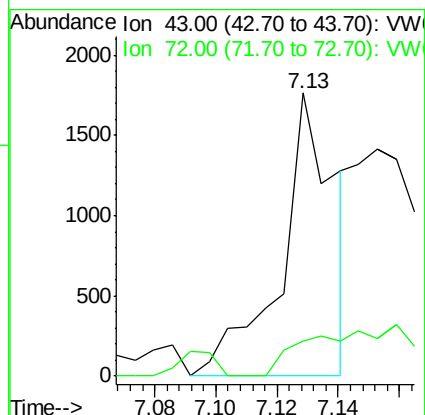
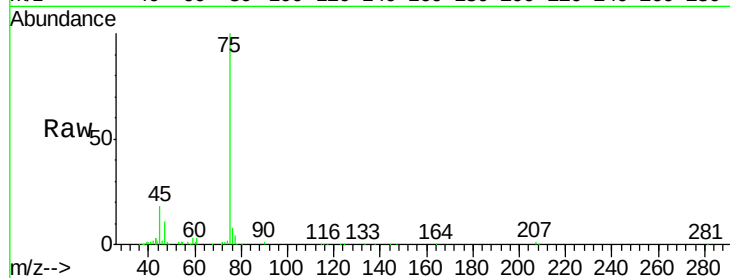
ClientSampled :

Tot Ion: 43 Resp: 2150

Ion Ratio Lower Upper

43 100

72 4.0 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 1.214 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW008678.D

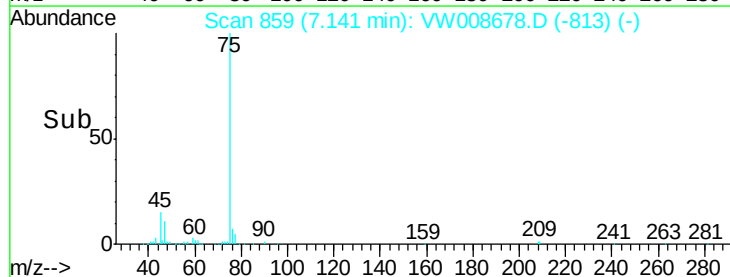
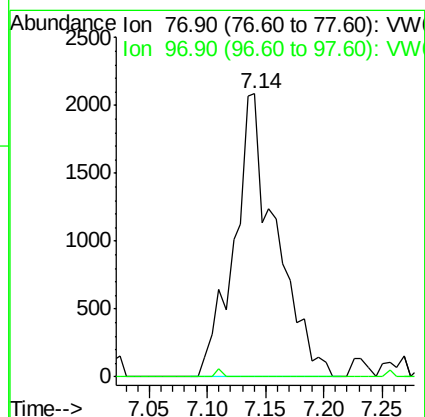
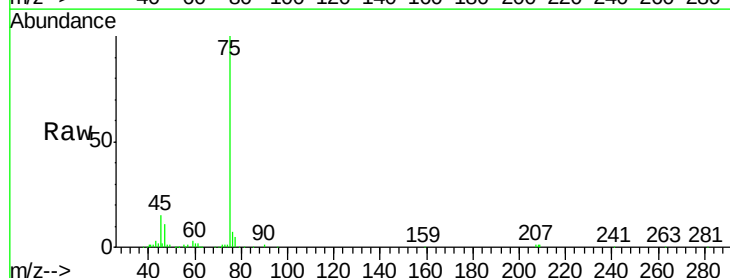
Acq: 15 Feb 2019 12:23

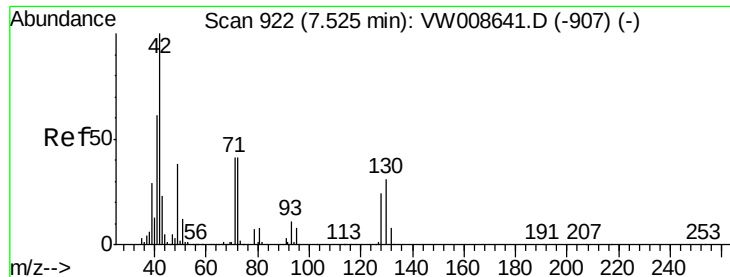
Tgt Ion: 77 Resp: 5188

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

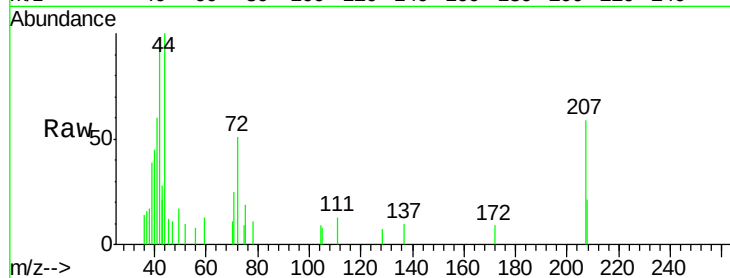




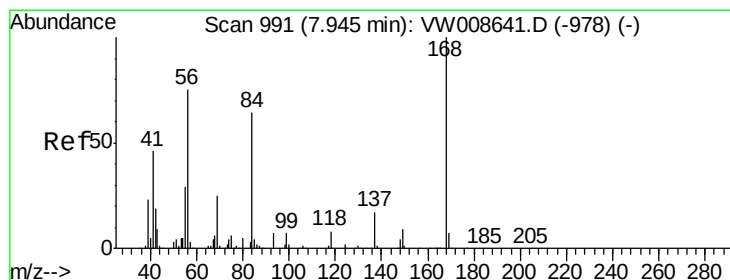
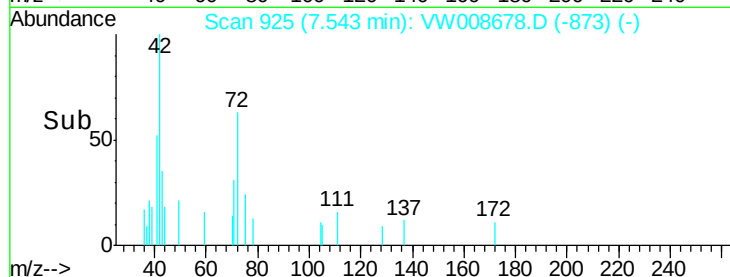
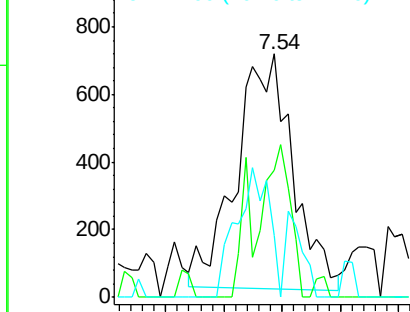
#29
Tetrahydrofuran
Concen: 2.914 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW008678.D
Acq: 15 Feb 2019 12:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 2330
Ion Ratio Lower Upper
42 100
72 29.3 32.2 48.2#
71 10.9 31.0 46.6#

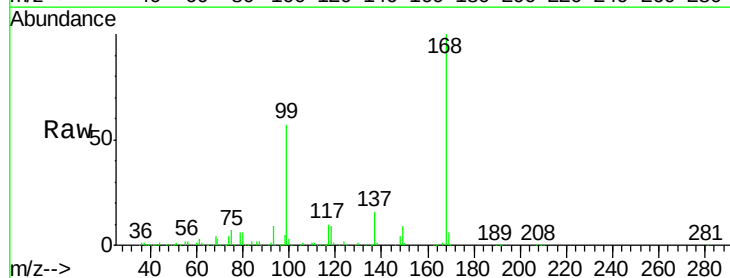


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

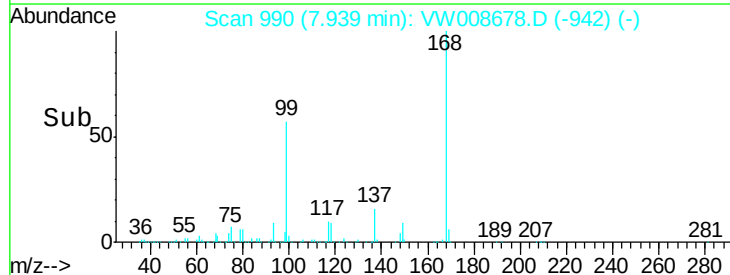
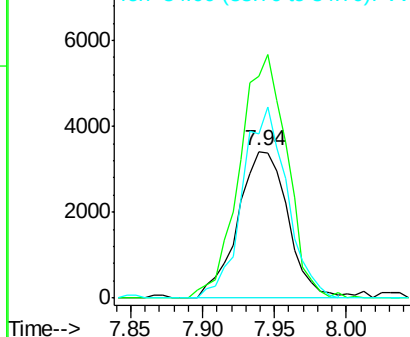


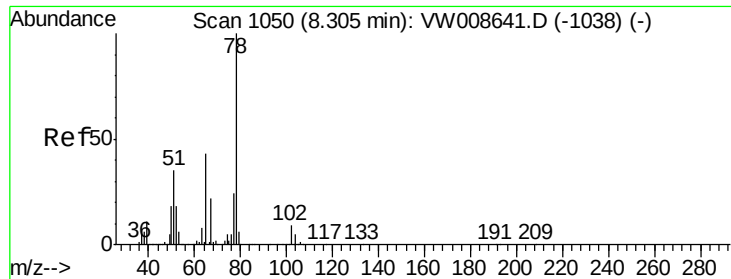
#31
Cyclohexane
Concen: 1.188 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008678.D
Acq: 15 Feb 2019 12:23

Tgt Ion: 56 Resp: 8202
Ion Ratio Lower Upper
56 100
69 151.3 26.4 39.6#
84 112.3 67.4 101.2#



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

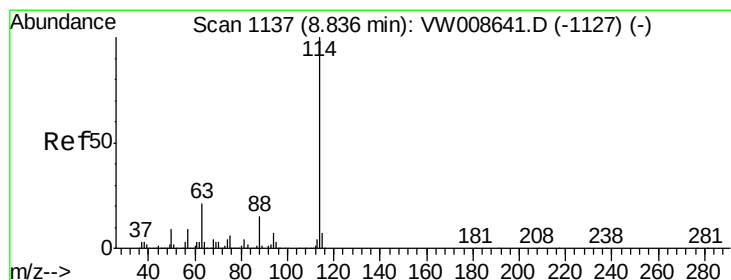
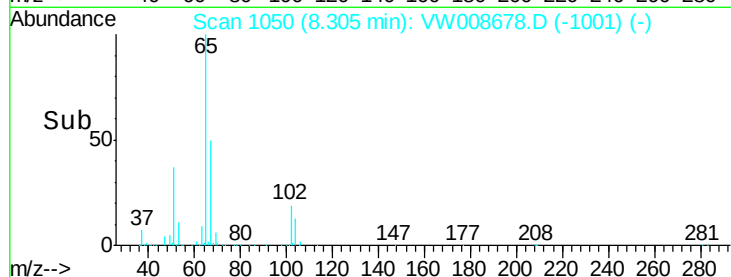
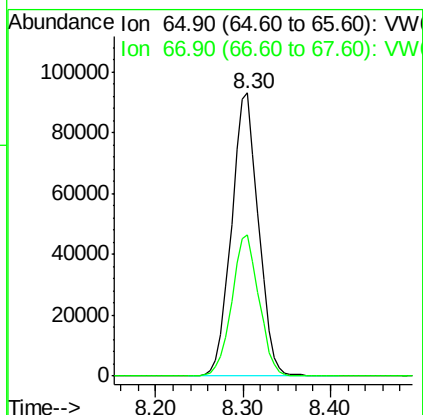
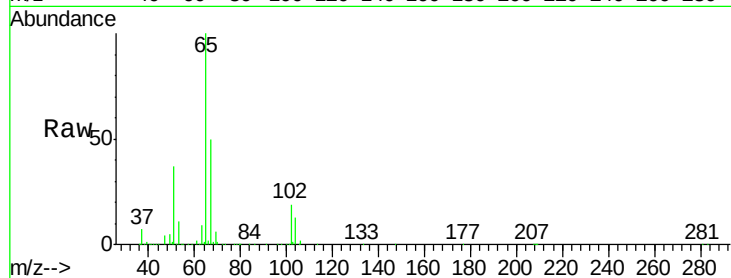




#33
 1,2-Dichloroethane-d4
 Concen: 52.877 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008678.D
 Acq: 15 Feb 2019 12:23

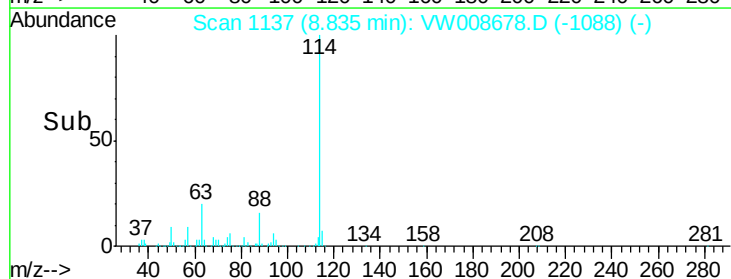
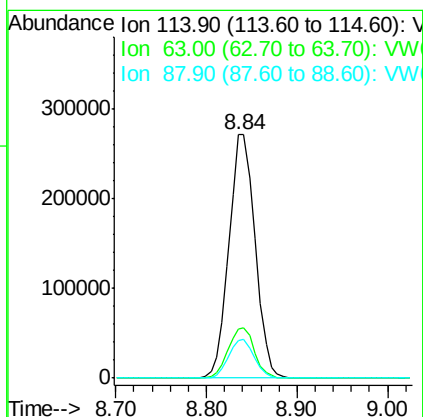
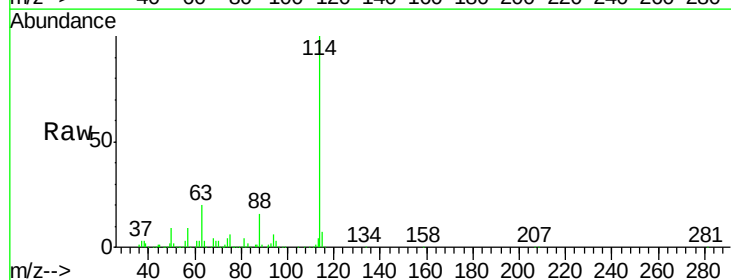
Instrument :
 MSVOA_W
 ClientSampled :

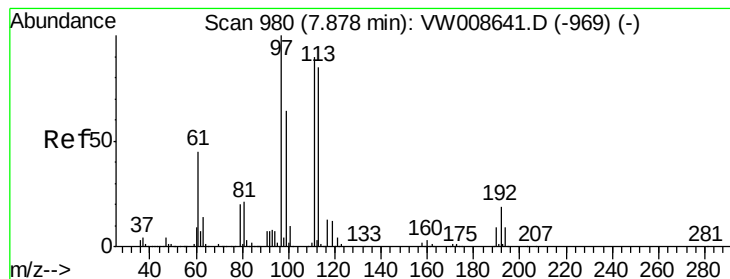
Tot Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VW008678.D
 Acq: 15 Feb 2019 12:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.2
88	15.6	0.0	29.6





#35

Dibromofluoromethane

Concen: 50.182 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW008678.D

Acq: 15 Feb 2019 12:23

Instrument :
MSVOA_W
ClientSampleId :

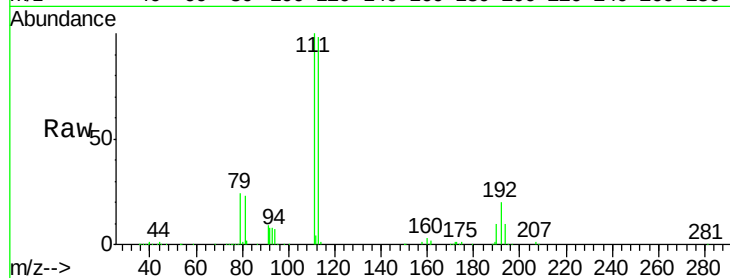
Tot Ion:113 Resp: 170055

Ion Ratio Lower Upper

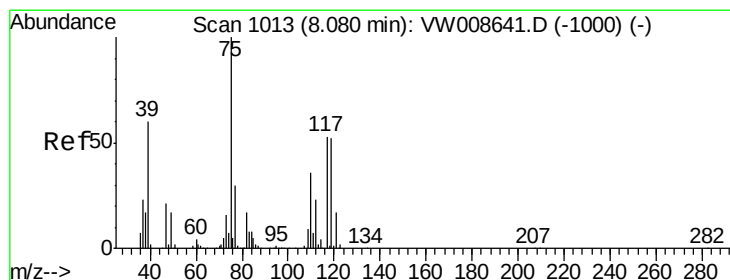
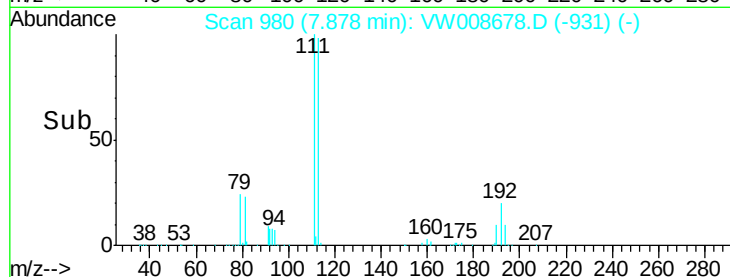
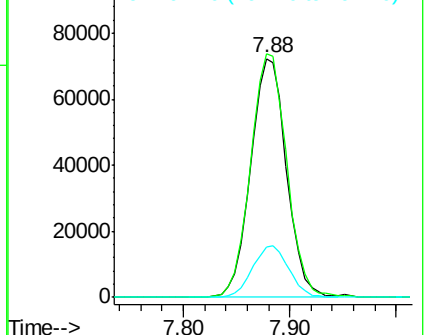
113 100

111 103.6 84.0 126.0

192 21.8 17.4 26.2



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



#36

1,1-Dichloropropene

Concen: 5.030 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008678.D

Acq: 15 Feb 2019 12:23

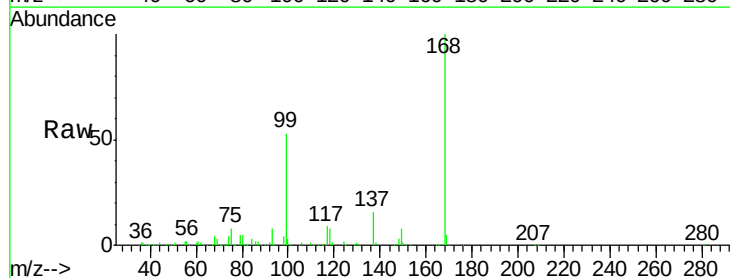
Tgt Ion: 75 Resp: 27580

Ion Ratio Lower Upper

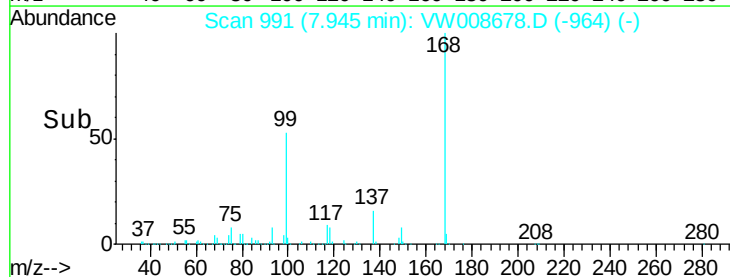
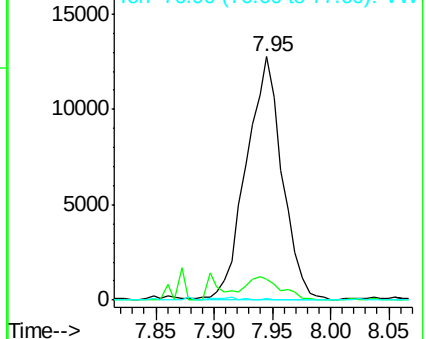
75 100

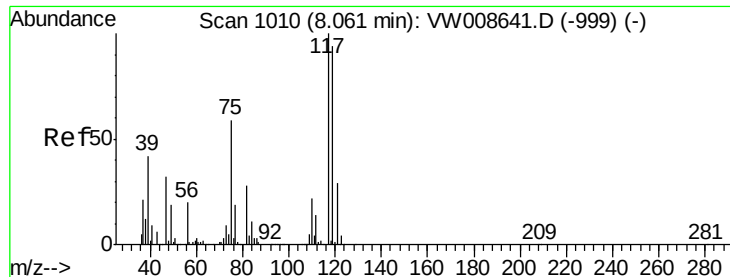
110 8.8 17.8 53.3#

77 0.2 24.7 37.1#



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

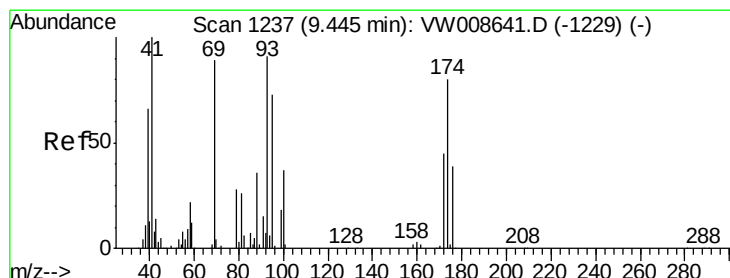
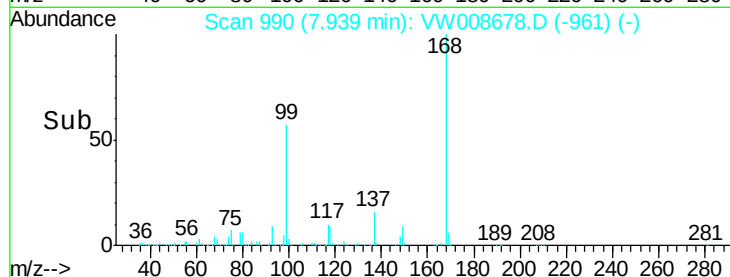
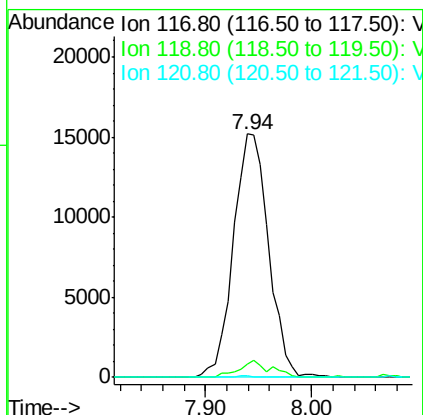
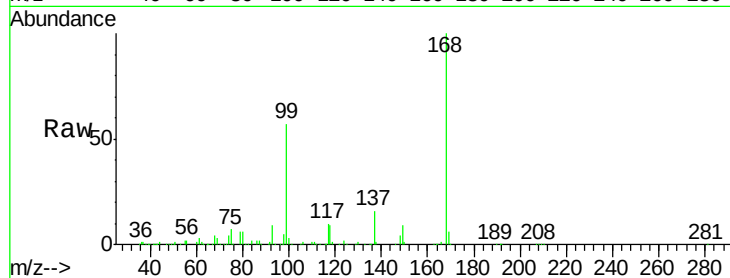




#38
Carbon Tetrachloride
Concen: 6.450 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.12 min
Lab File: VW008678.D
Acq: 15 Feb 2019 12:23

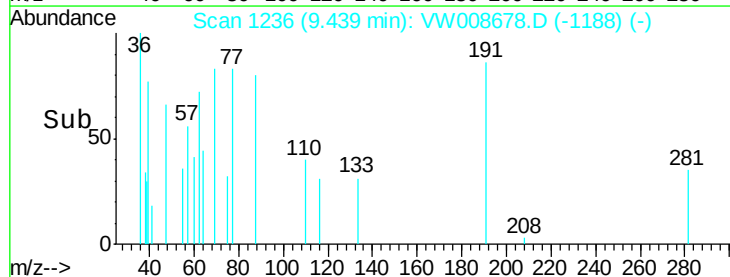
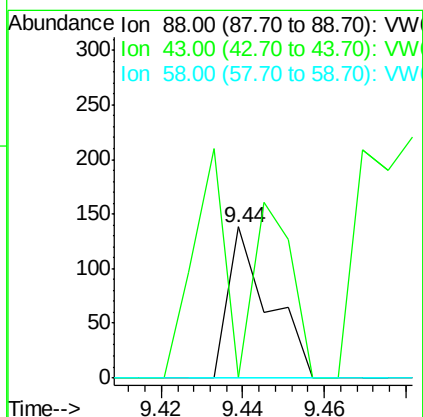
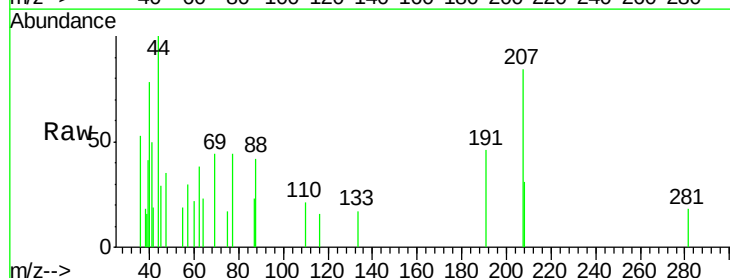
Instrument :
MSVOA_W
ClientSampleId :

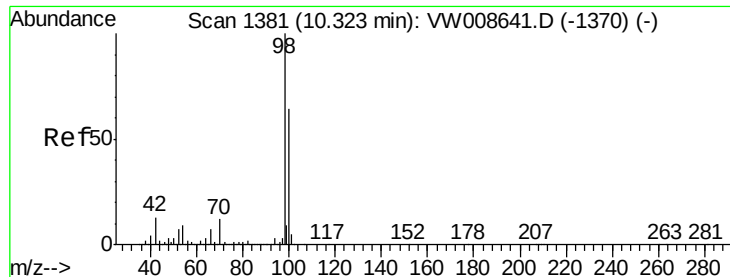
Tot Ion:117 Resp: 35167
Ion Ratio Lower Upper
117 100
119 5.3 75.1 112.7#
121 0.5 23.5 35.3#



#49
1,4-Dioxane
Concen: 2.946 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008678.D
Acq: 15 Feb 2019 12:23

Tgt Ion: 88 Resp: 96
Ion Ratio Lower Upper
88 100
43 116.7 31.0 46.6#
58 0.0 57.0 85.6#





#50

Toluene-d8

Concen: 48.906 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008678.D

Acq: 15 Feb 2019 12:23

Instrument :

MSVOA_W

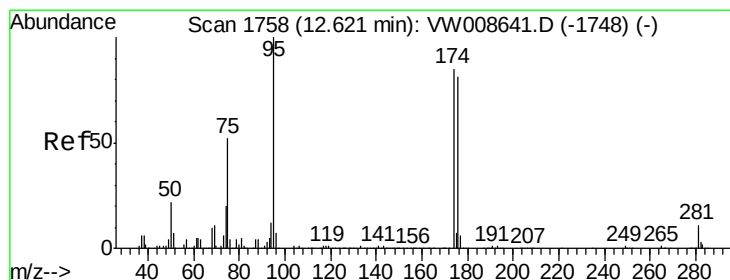
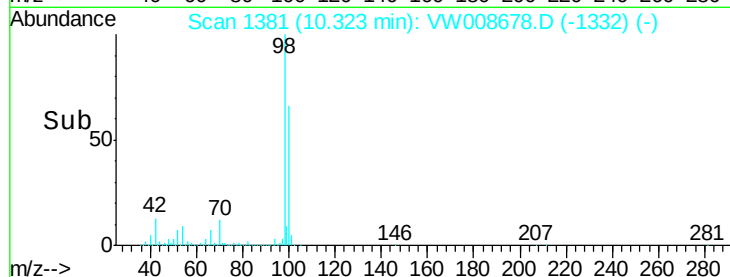
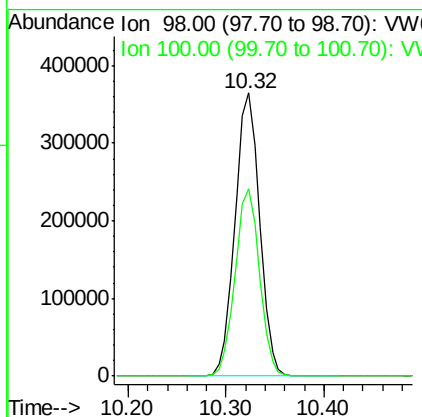
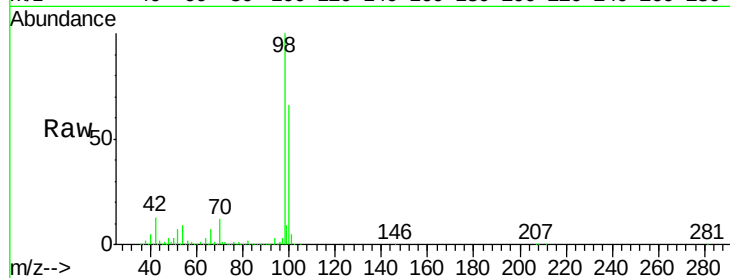
ClientSampled :

Tot Ion: 98 Resp: 638881

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.391 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008678.D

Acq: 15 Feb 2019 12:23

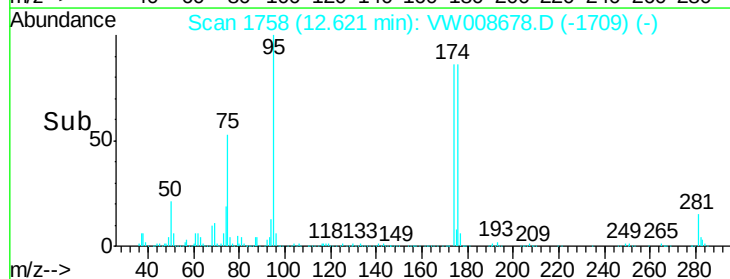
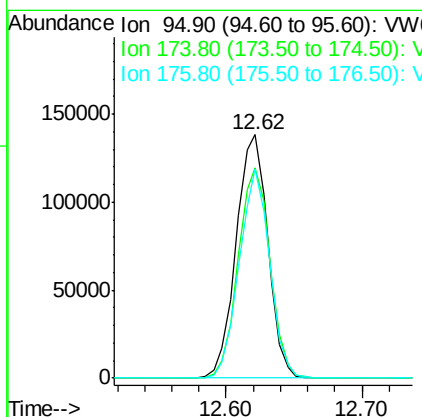
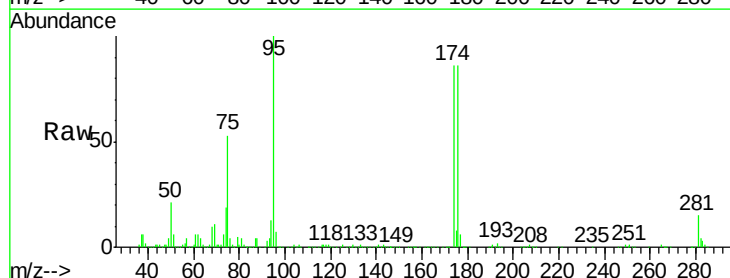
Tgt Ion: 95 Resp: 223349

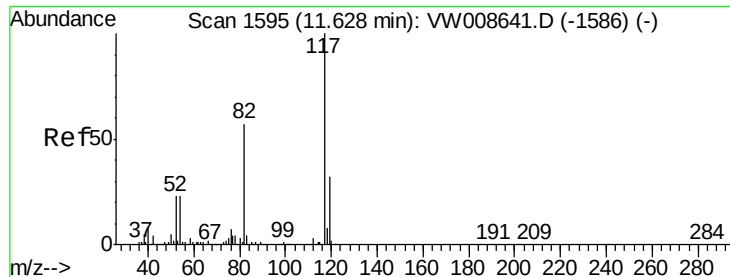
Ion Ratio Lower Upper

95 100

174 87.3 0.0 163.2

176 82.9 0.0 158.0

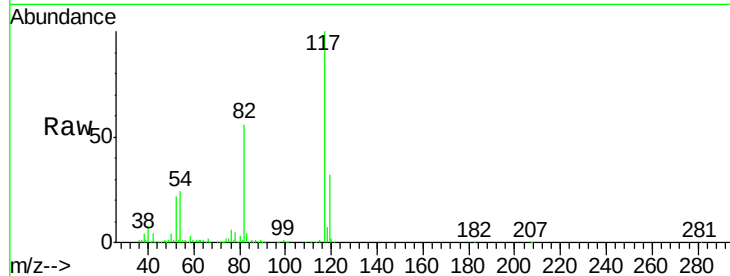




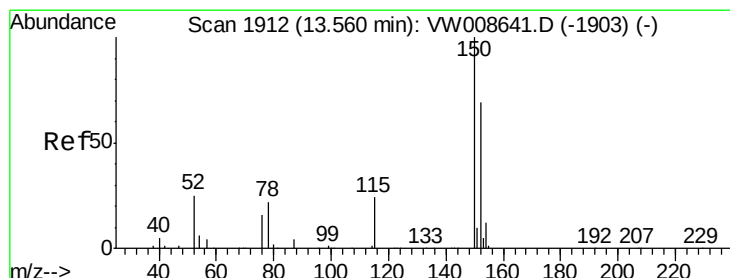
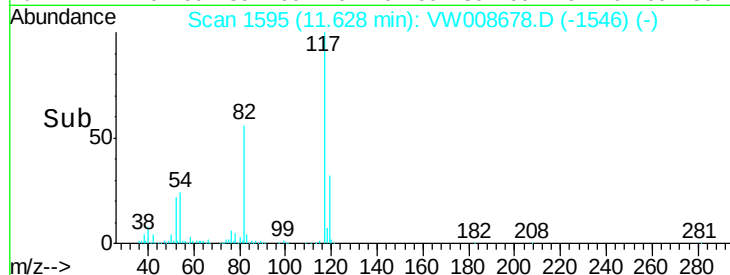
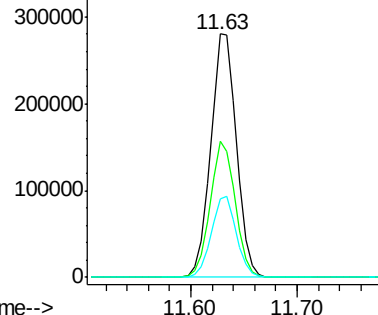
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW008678.D
Acq: 15 Feb 2019 12:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 474956
Ion Ratio Lower Upper
117 100
82 55.7 45.6 68.4
119 32.1 25.7 38.5

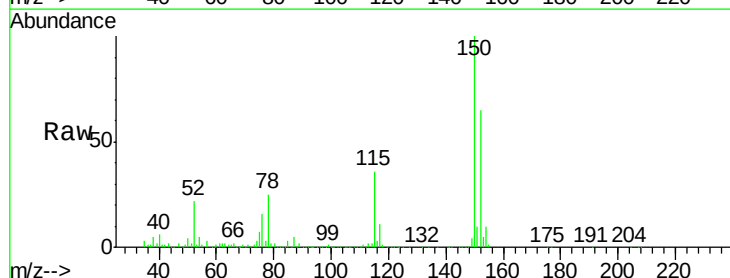


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

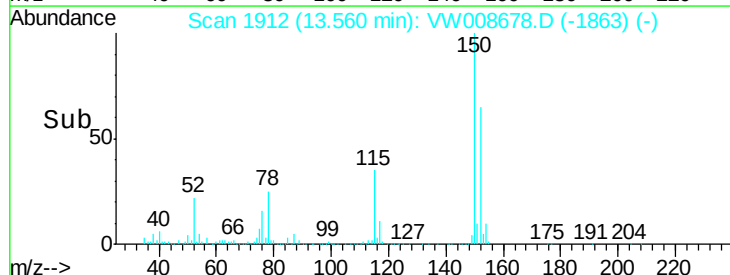
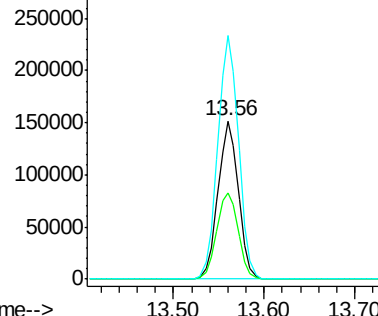


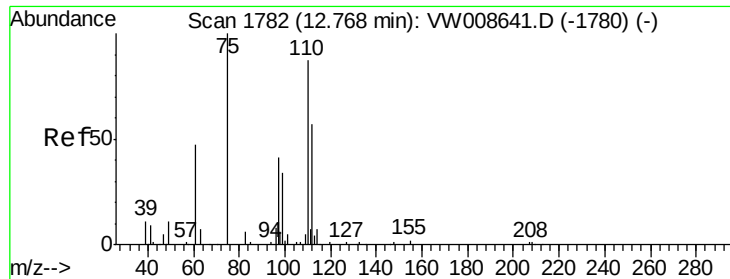
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008678.D
Acq: 15 Feb 2019 12:23

Tgt Ion:152 Resp: 234973
Ion Ratio Lower Upper
152 100
115 57.7 29.3 87.8
150 156.7 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: 51.168 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008678.D

Acq: 15 Feb 2019 12:23

Instrument :

MSVOA_W

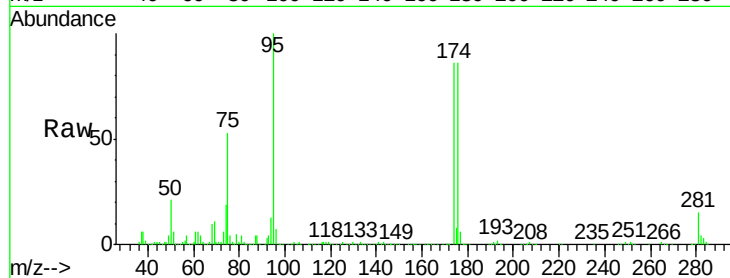
ClientSampleId :

Tot Ion: 75 Resp: 118721

Ion Ratio Lower Upper

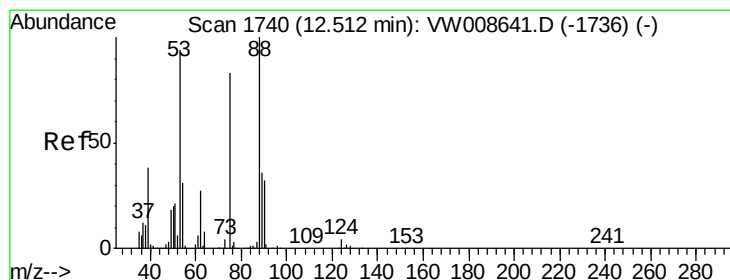
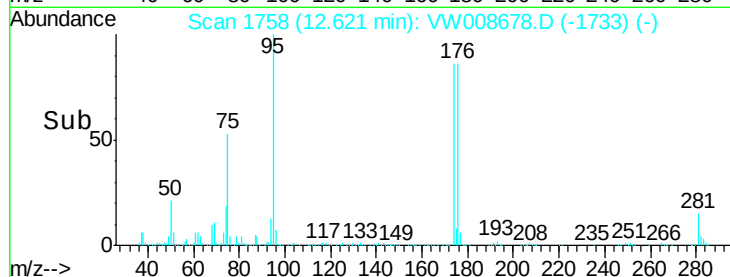
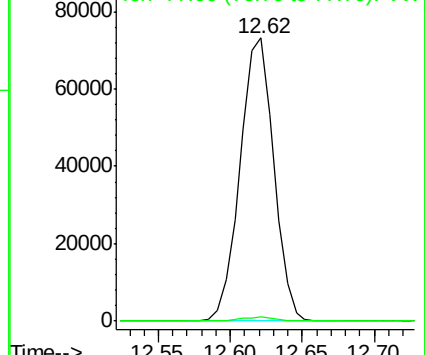
75 100

77 1.4 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: 109.649 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008678.D

Acq: 15 Feb 2019 12:23

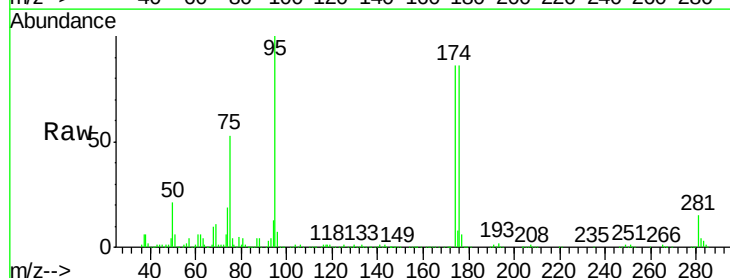
Tgt Ion: 75 Resp: 118721

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.3 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

