

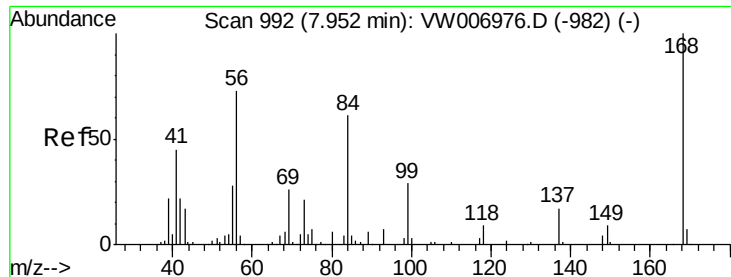
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007009.D
 Acq On : 21 Nov 2018 19:15
 Operator : VAY/AP
 Sample : J6000-01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 22 04:38:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	124726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	102071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	33548	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	44671	59.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.46%	
35) Dibromofluoromethane	7.89	113	37962	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
50) Toluene-d8	10.33	98	127812	41.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.18%	
62) 4-Bromofluorobenzene	12.62	95	40595	33.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.34%	
Target Compounds						
					Qvalue	
16) Acetone	4.15	43	395	3.638	ug/l	97
18) Methyl Acetate	4.69	43	658	1.702	ug/l #	64
20) Methylene Chloride	4.93	84	2970	Below Cal	#	89
25) 2-Butanone	7.15	43	368	1.979	ug/l #	48
31) Cyclohexane	7.95	56	1543	1.071	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	6155	5.050	ug/l #	49
38) Carbon Tetrachloride	7.95	117	8038	6.887	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	20194	76.603	ug/l #	100
77) Bromobenzene	12.94	156	2747	4.905	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	20194	192.320	ug/l #	11
90) Hexachloroethane	14.10	117	610	1.717	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.33	75	90	1.536	ug/l #	53
95) Naphthalene	15.37	128	1212	1.011	ug/l #	82

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007009.D

Acq: 21 Nov 2018 19:15

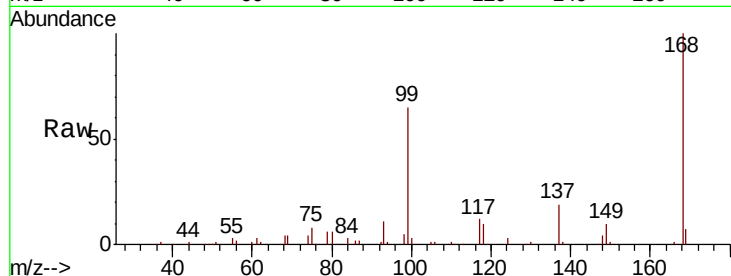
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 76391

Ion Ratio Lower Upper

168 100

99 64.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW007009.D (-943) (-)

Ion 98.90 (98.60 to 99.60): VW007009.D (-943) (-)

7.95

30000

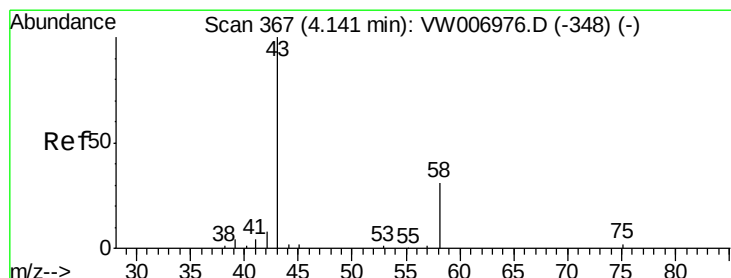
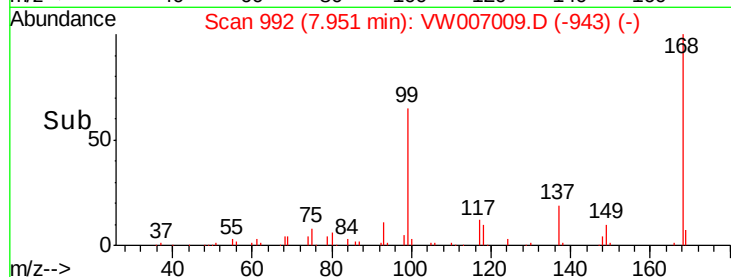
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 3.638 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW007009.D

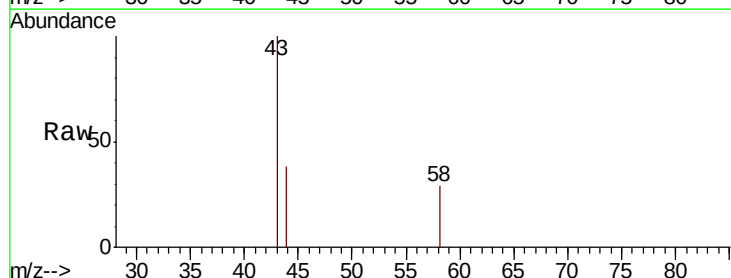
Acq: 21 Nov 2018 19:15

Tgt Ion: 43 Resp: 395

Ion Ratio Lower Upper

43 100

58 29.4 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW007009.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VW007009.D (-318) (-)

4.15

200

150

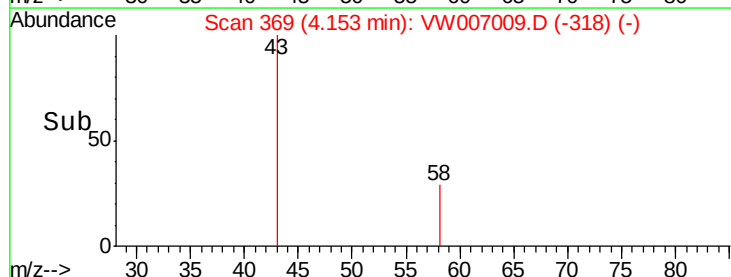
100

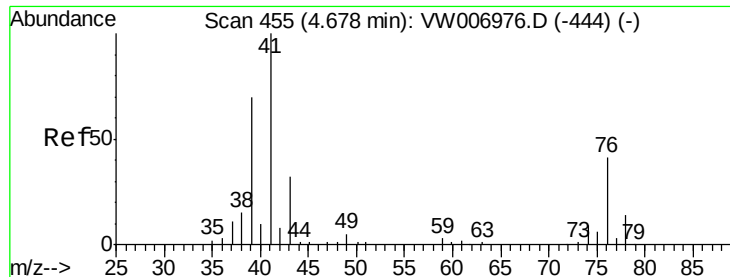
50

0

Time-->

4.10 4.15 4.20

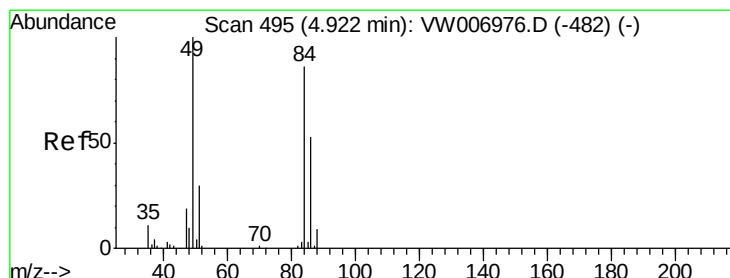
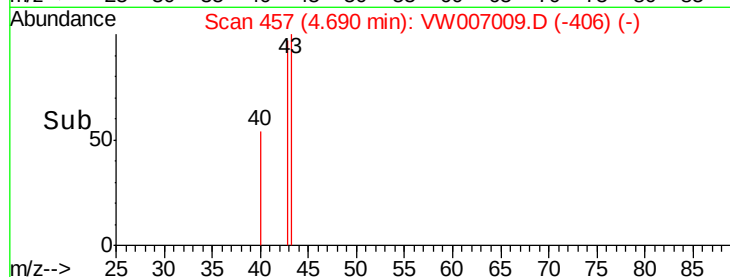
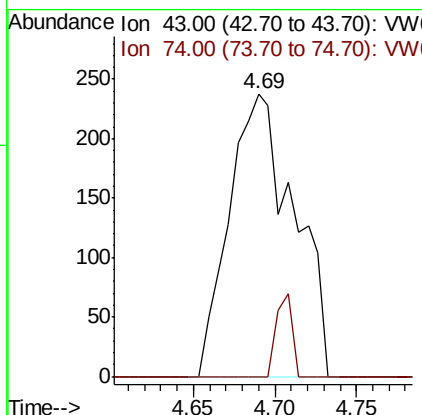
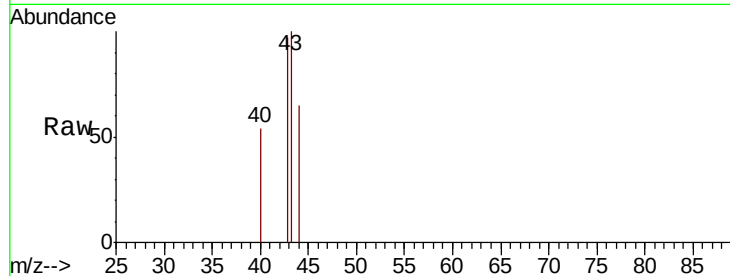




#18
Methvl Acetate
Concen: 1.702 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW007009.D
Acq: 21 Nov 2018 19:15

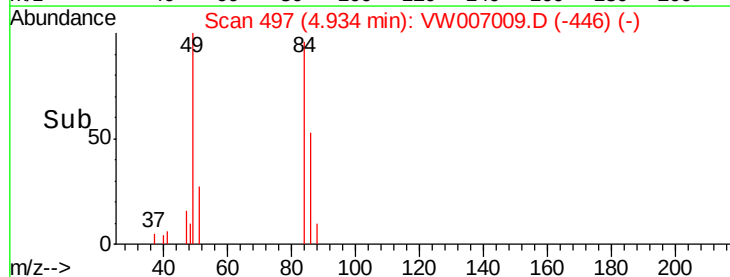
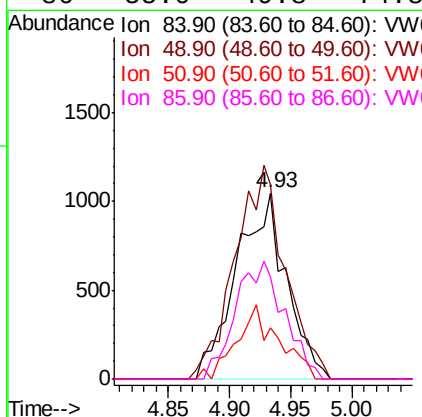
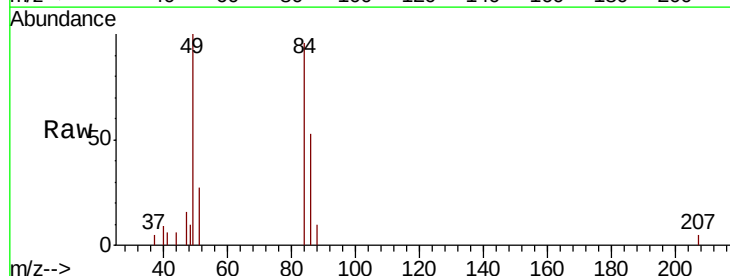
Instrument :
MSVOA_W
ClientSampled :

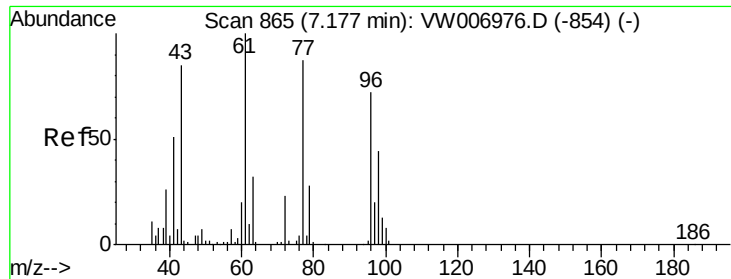
Tot Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
74 6.8 20.1 30.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 497
Delta R.T. 0.01 min
Lab File: VW007009.D
Acq: 21 Nov 2018 19:15

Tgt Ion: 84 Resp: 2970
Ion Ratio Lower Upper
84 100
49 104.3 93.4 140.0
51 27.7 28.4 42.6#
86 55.0 49.8 74.8





#25

2-Butanone

Concen: 1.979 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

Lab File: VW007009.D

Acq: 21 Nov 2018 19:15

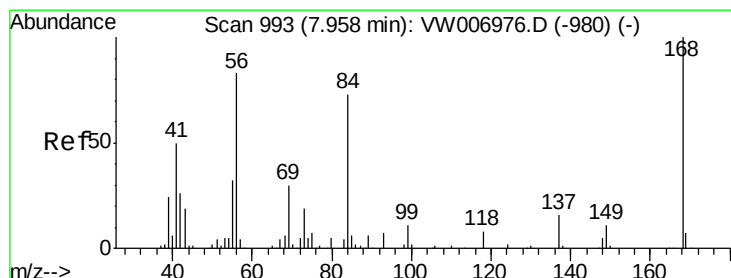
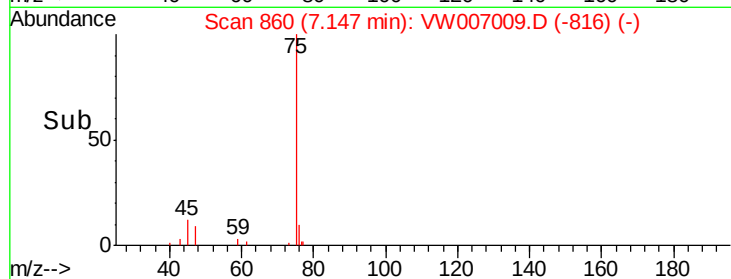
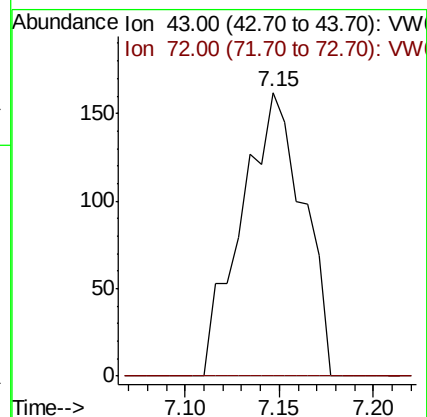
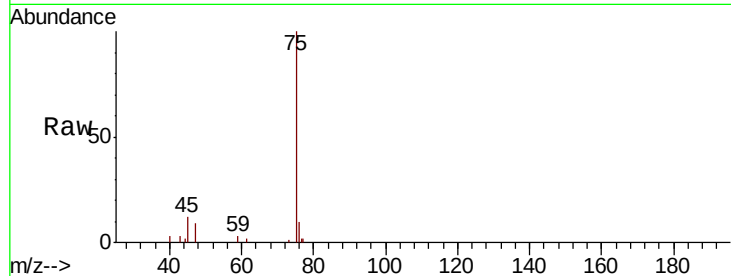
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 368

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#



#31

Cyclohexane

Concen: 1.071 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007009.D

Acq: 21 Nov 2018 19:15

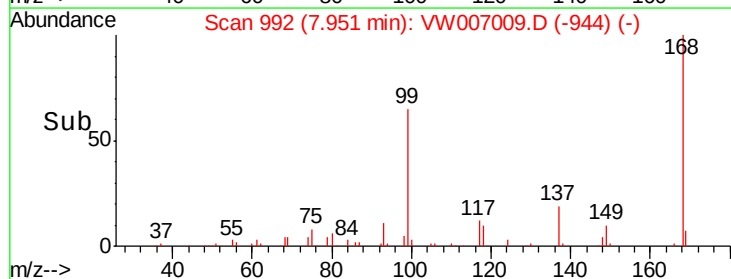
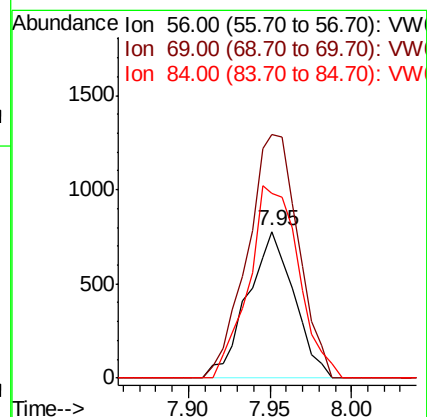
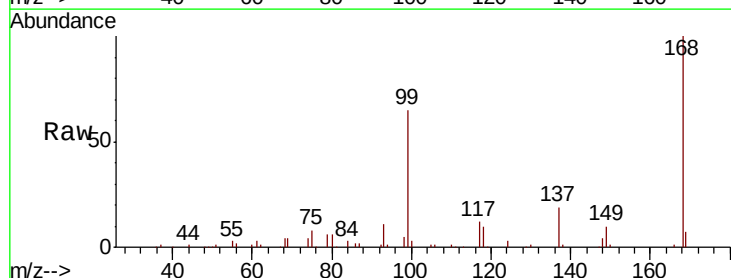
Tgt Ion: 56 Resp: 1543

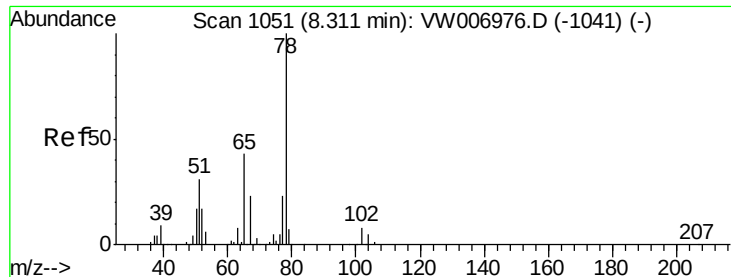
Ion Ratio Lower Upper

56 100

69 165.9 29.1 43.7#

84 126.1 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: 59.730 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007009.D

Acq: 21 Nov 2018 19:15

Instrument :

MSVOA_W

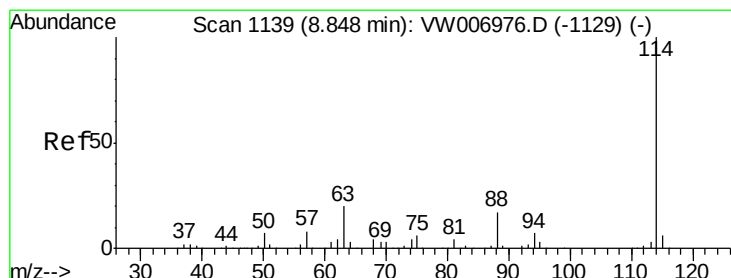
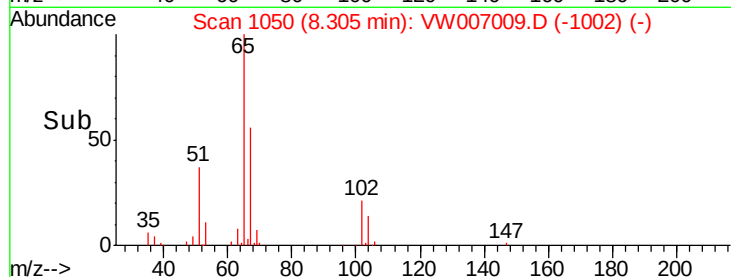
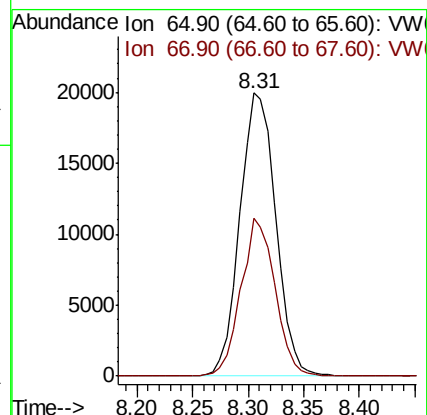
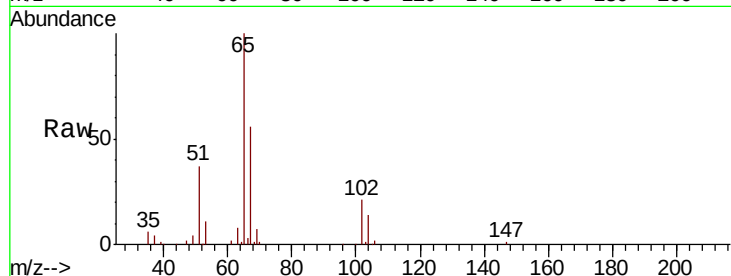
ClientSampleId :

Tot Ion: 65 Resp: 44671

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW007009.D

Acq: 21 Nov 2018 19:15

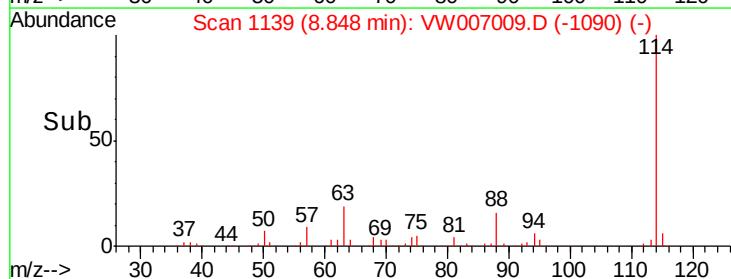
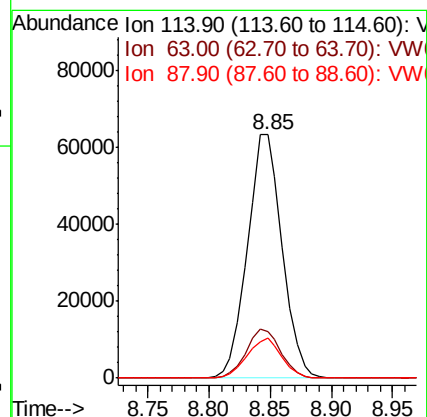
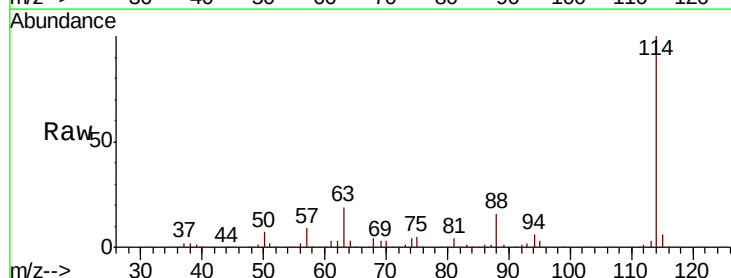
Tgt Ion: 114 Resp: 124726

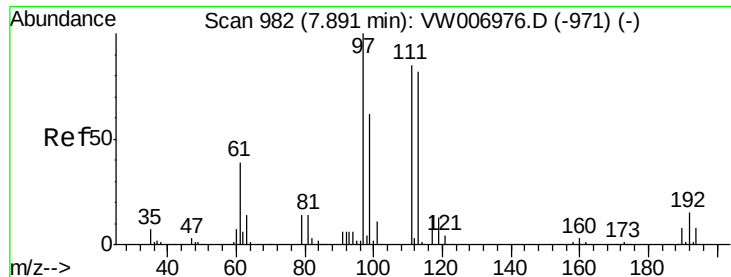
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.4

88 16.3 0.0 34.2

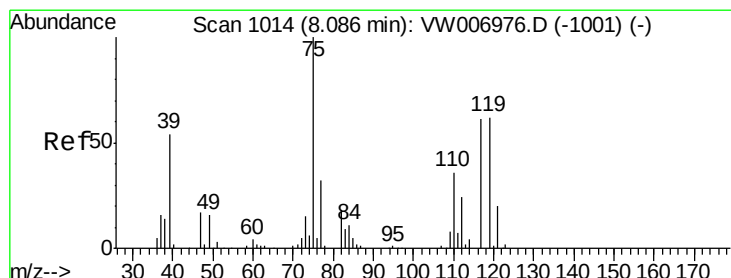
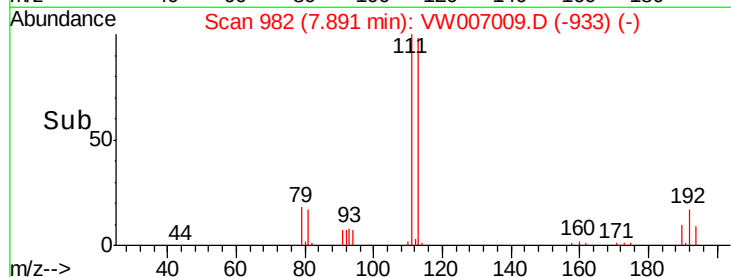
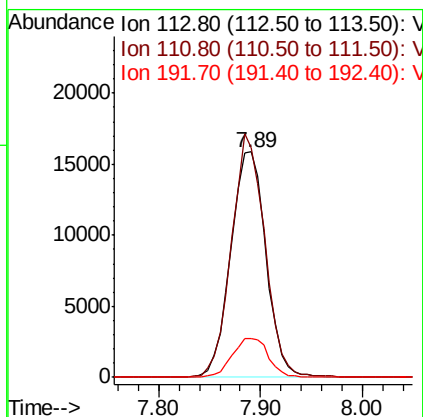
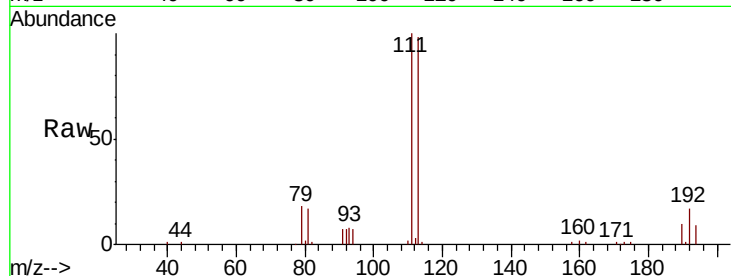




#35
 Dibromofluoromethane
 Concen: 53.896 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007009.D
 Acq: 21 Nov 2018 19:15

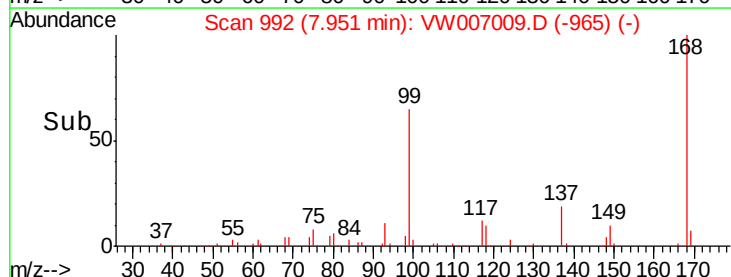
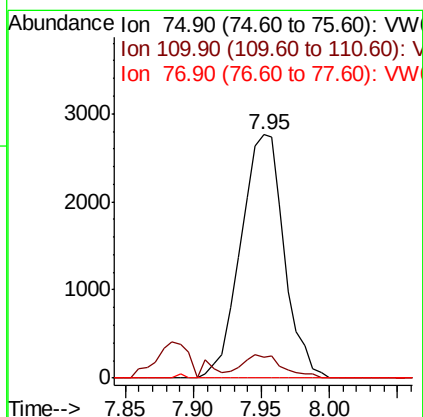
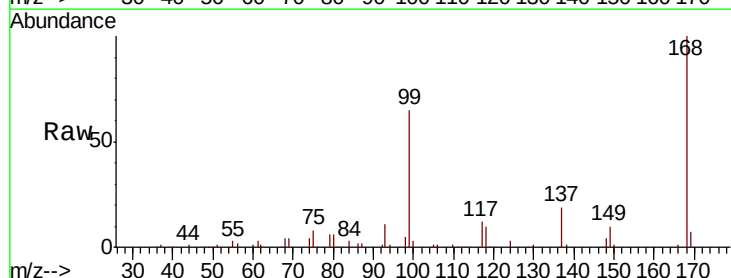
Instrument :
 MSVOA_W
 ClientSampleId :

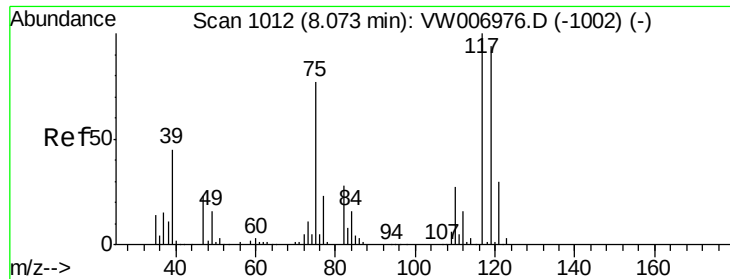
Tot Ion:113 Resp: 37962
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.0 121.6
 192 17.7 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 5.050 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007009.D
 Acq: 21 Nov 2018 19:15

Tgt Ion: 75 Resp: 6155
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.0 54.0#
 77 0.0 24.9 37.3#

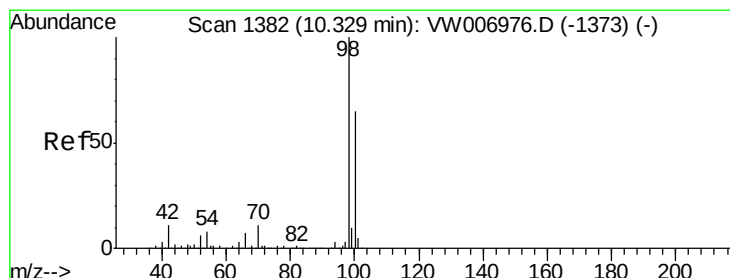
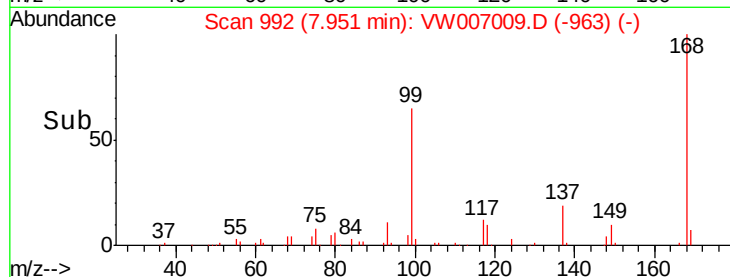
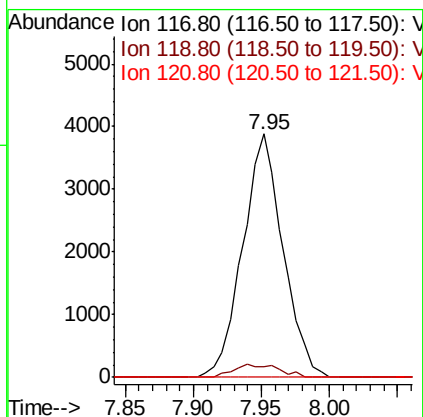
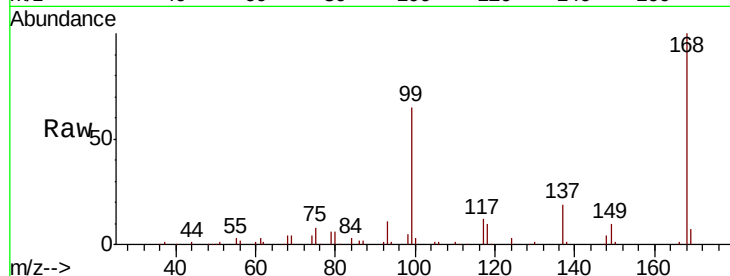




#38
Carbon Tetrachloride
Concen: 6.887 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007009.D
Acq: 21 Nov 2018 19:15

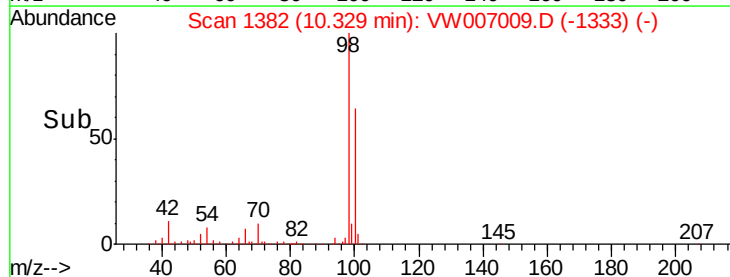
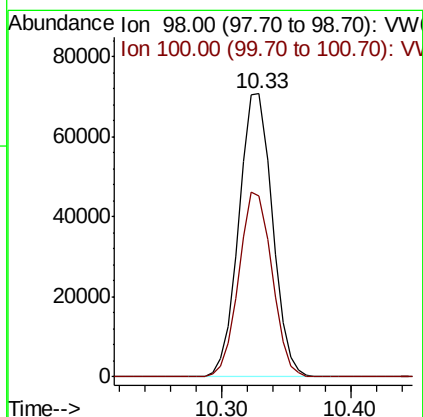
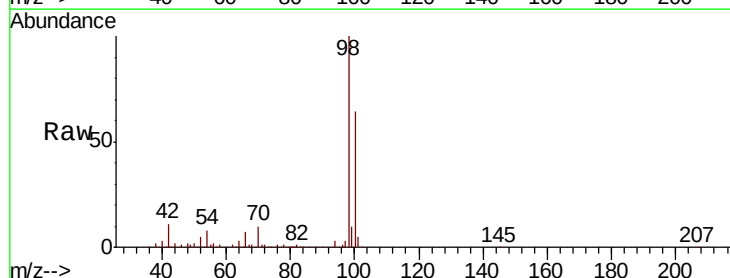
Instrument :
MSVOA_W
ClientSampled :

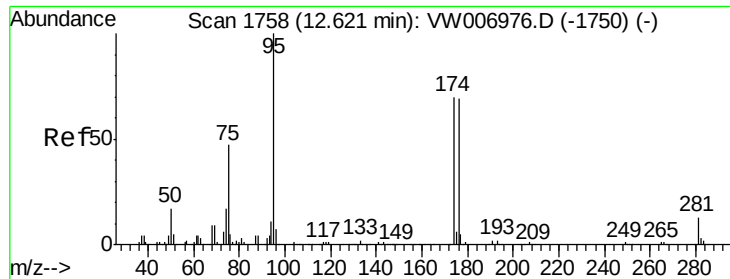
Tot Ion:117 Resp: 8038
Ion Ratio Lower Upper
117 100
119 4.2 74.9 112.3#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 41.092 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007009.D
Acq: 21 Nov 2018 19:15

Tgt Ion: 98 Resp: 127812
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 33.167 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007009.D

Acq: 21 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

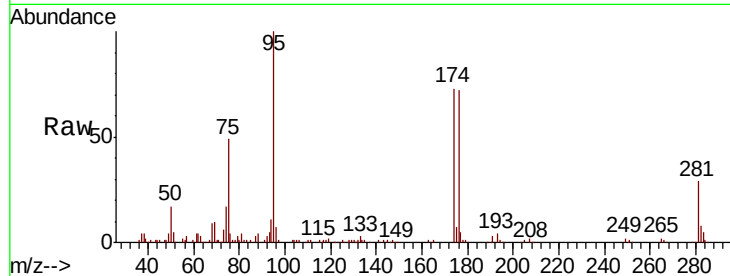
Tot Ion: 95 Resp: 40595

Ion Ratio Lower Upper

95 100

174 73.7 0.0 143.6

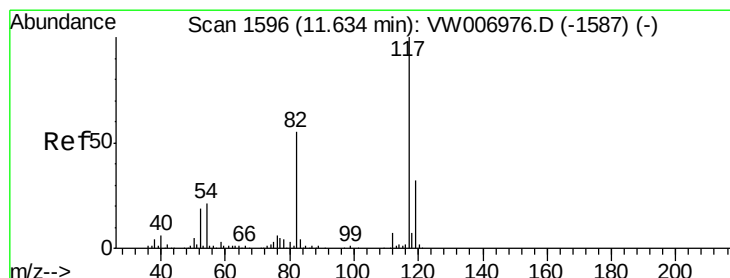
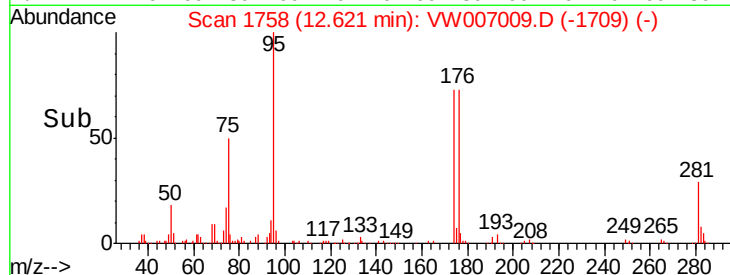
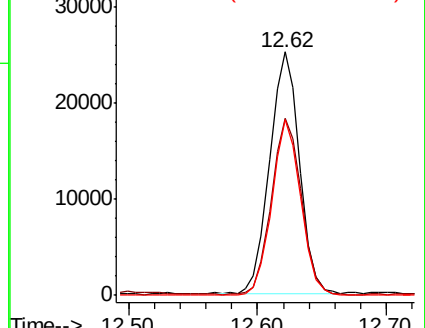
176 70.5 0.0 140.4



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: VW007009.D

Acq: 21 Nov 2018 19:15

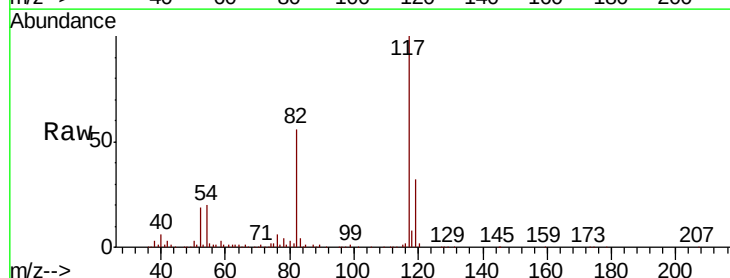
Tgt Ion: 117 Resp: 102071

Ion Ratio Lower Upper

117 100

82 56.1 44.2 66.2

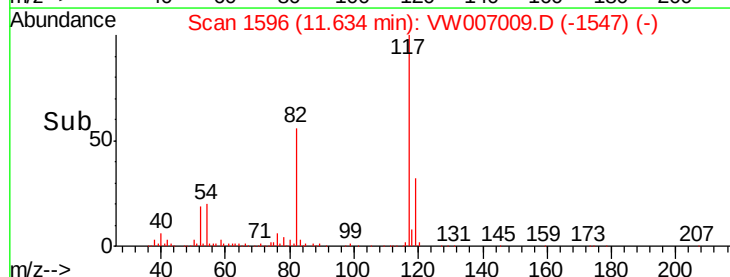
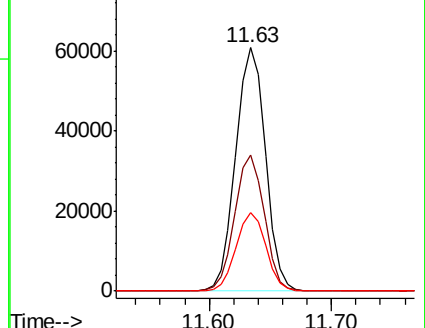
119 31.9 25.9 38.9

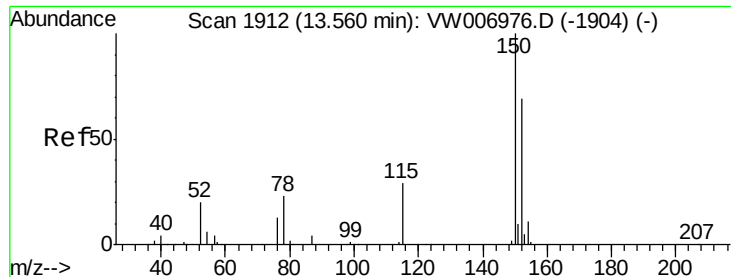


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW007009.D

Acq: 21 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

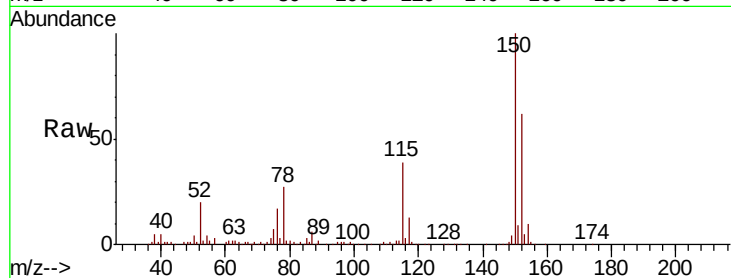
Tot Ion:152 Resp: 33548

Ion Ratio Lower Upper

152 100

115 63.3 31.4 94.2

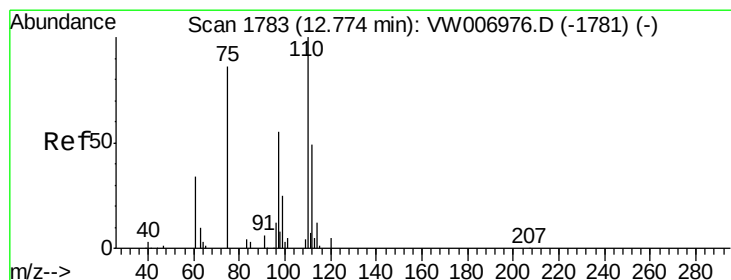
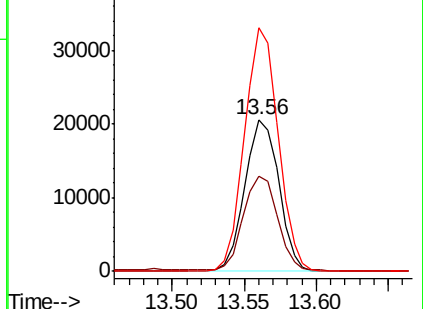
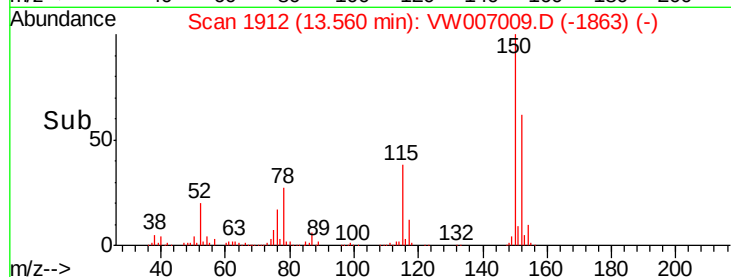
150 159.3 0.0 353.4



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: 76.603 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007009.D

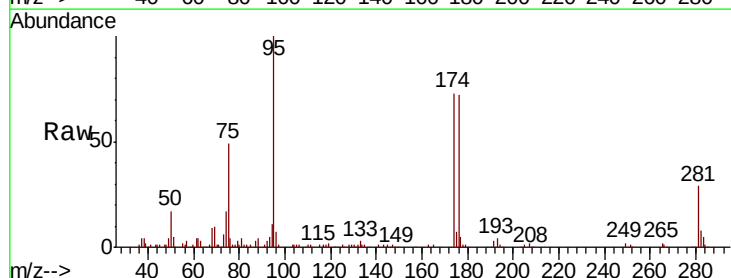
Acq: 21 Nov 2018 19:15

Tgt Ion: 75 Resp: 20194

Ion Ratio Lower Upper

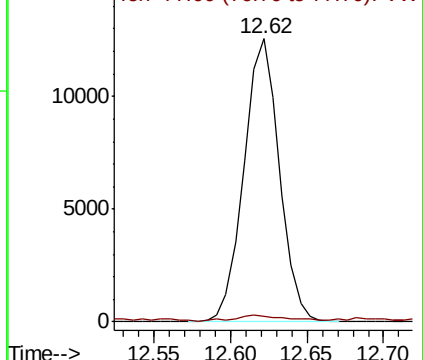
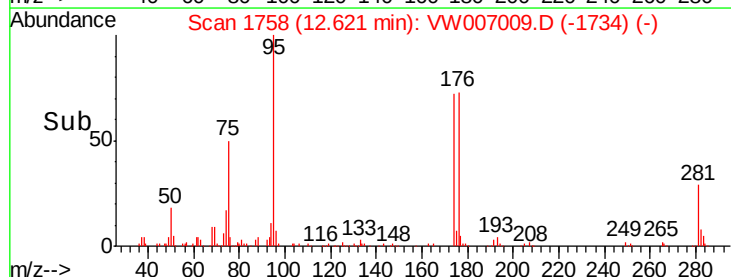
75 100

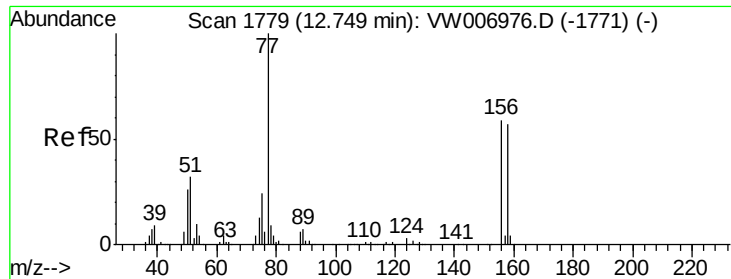
77 3.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.905 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.19 min

Lab File: VW007009.D

Acq: 21 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampled :

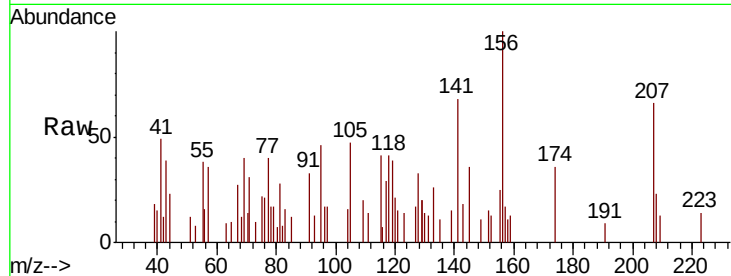
Tot Ion:156 Resp: 2747

Ion Ratio Lower Upper

156 100

77 0.0 94.6 283.8#

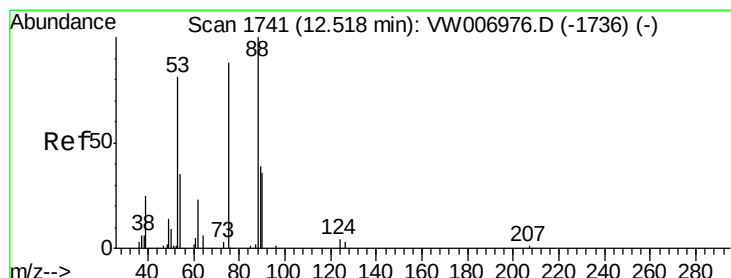
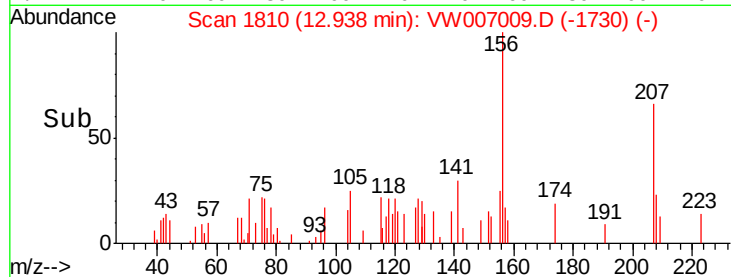
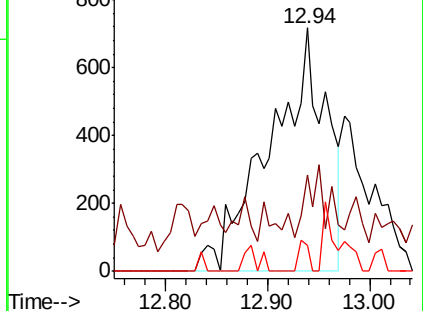
158 2.2 48.9 146.7#



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: 192.320 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007009.D

Acq: 21 Nov 2018 19:15

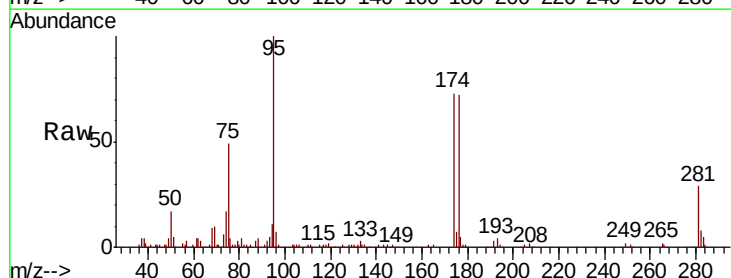
Tgt Ion: 75 Resp: 20194

Ion Ratio Lower Upper

75 100

53 0.3 77.6 116.4#

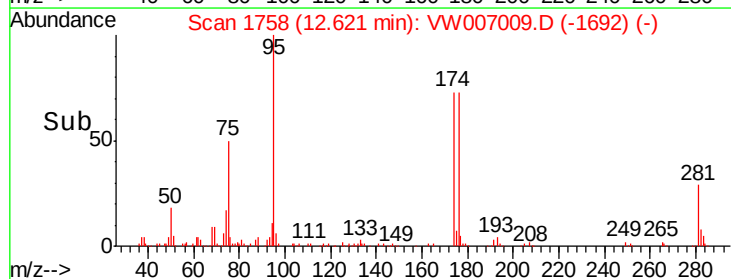
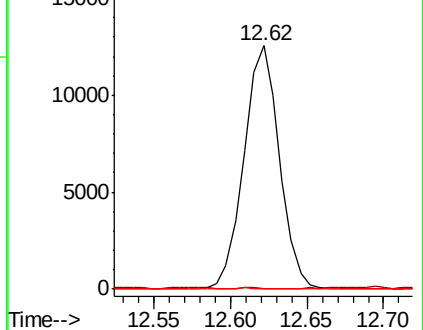
89 0.1 39.3 58.9#

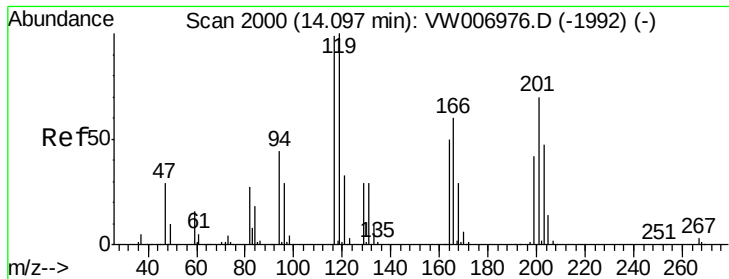


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#90

Hexachloroethane

Concen: 1.717 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007009.D

Acq: 21 Nov 2018 19:15

Instrument :

MSVOA_W

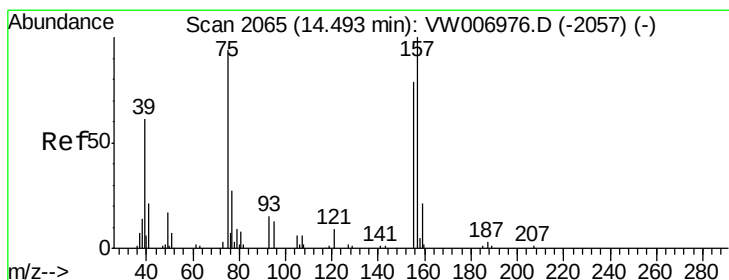
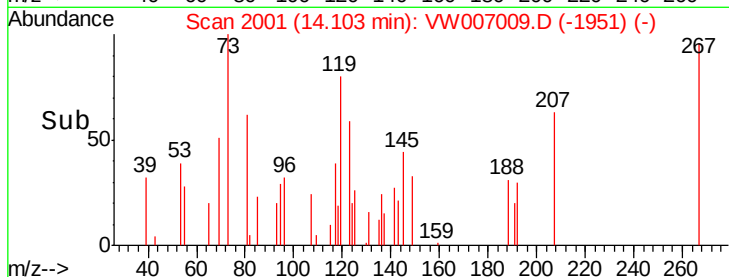
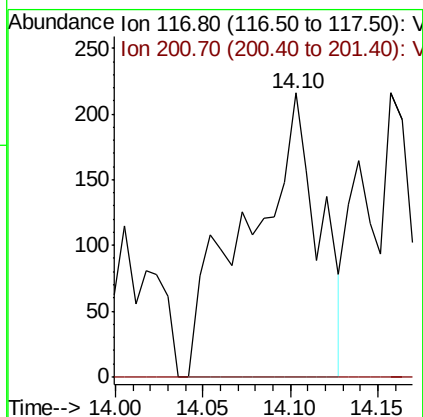
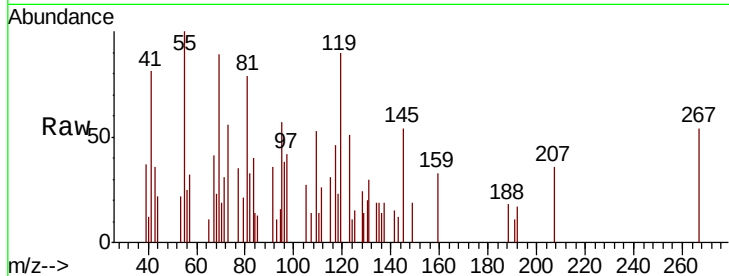
ClientSampled :

Tot Ion:117 Resp: 610

Ion Ratio Lower Upper

117 100

201 0.0 35.9 107.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.536 ug/l

RT: 14.33 min Scan# 2039

Delta R.T. -0.16 min

Lab File: VW007009.D

Acq: 21 Nov 2018 19:15

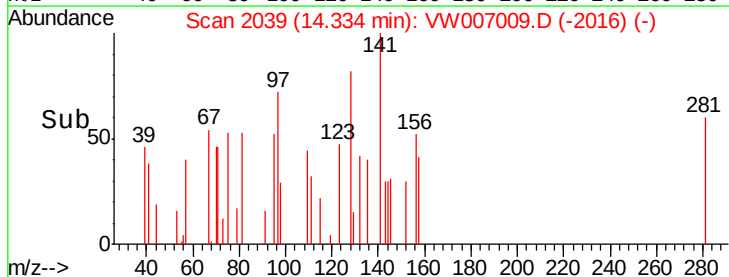
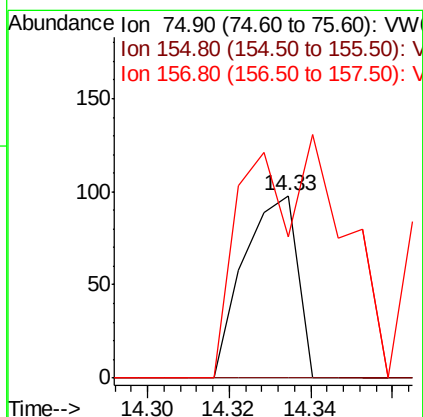
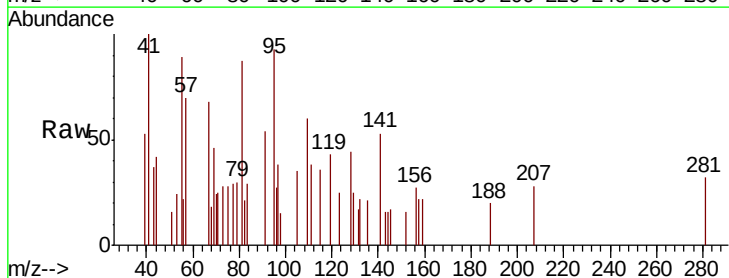
Tgt Ion: 75 Resp: 90

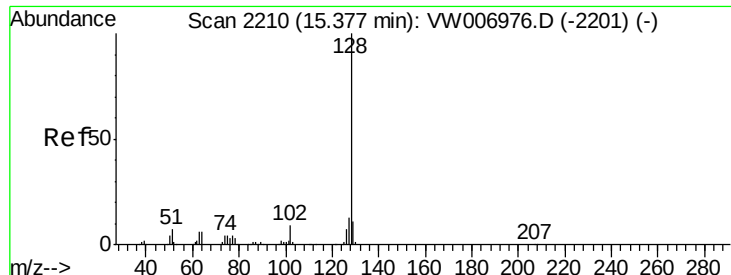
Ion Ratio Lower Upper

75 100

155 0.0 42.6 127.8#

157 122.2 55.0 165.0





#95

Naphthalene

Concen: 1.011 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007009.D

Acq: 21 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 1212

Ion Ratio Lower Upper

128 100

127 16.9 10.5 15.7#

129 0.0 8.7 13.1#

