

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008693.D
 Acq On : 15 Feb 2019 19:06
 Operator : SY/VA
 Sample : K1515-04
 Misc : 6.10G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:36:17 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	379881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	577841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	517234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	254789	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	220693	55.88	ug/l	0.00
Spiked Amount			Recovery	=	111.76%	
35) Dibromofluoromethane	7.88	113	185455	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
50) Toluene-d8	10.32	98	682395	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.62	95	243982	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	

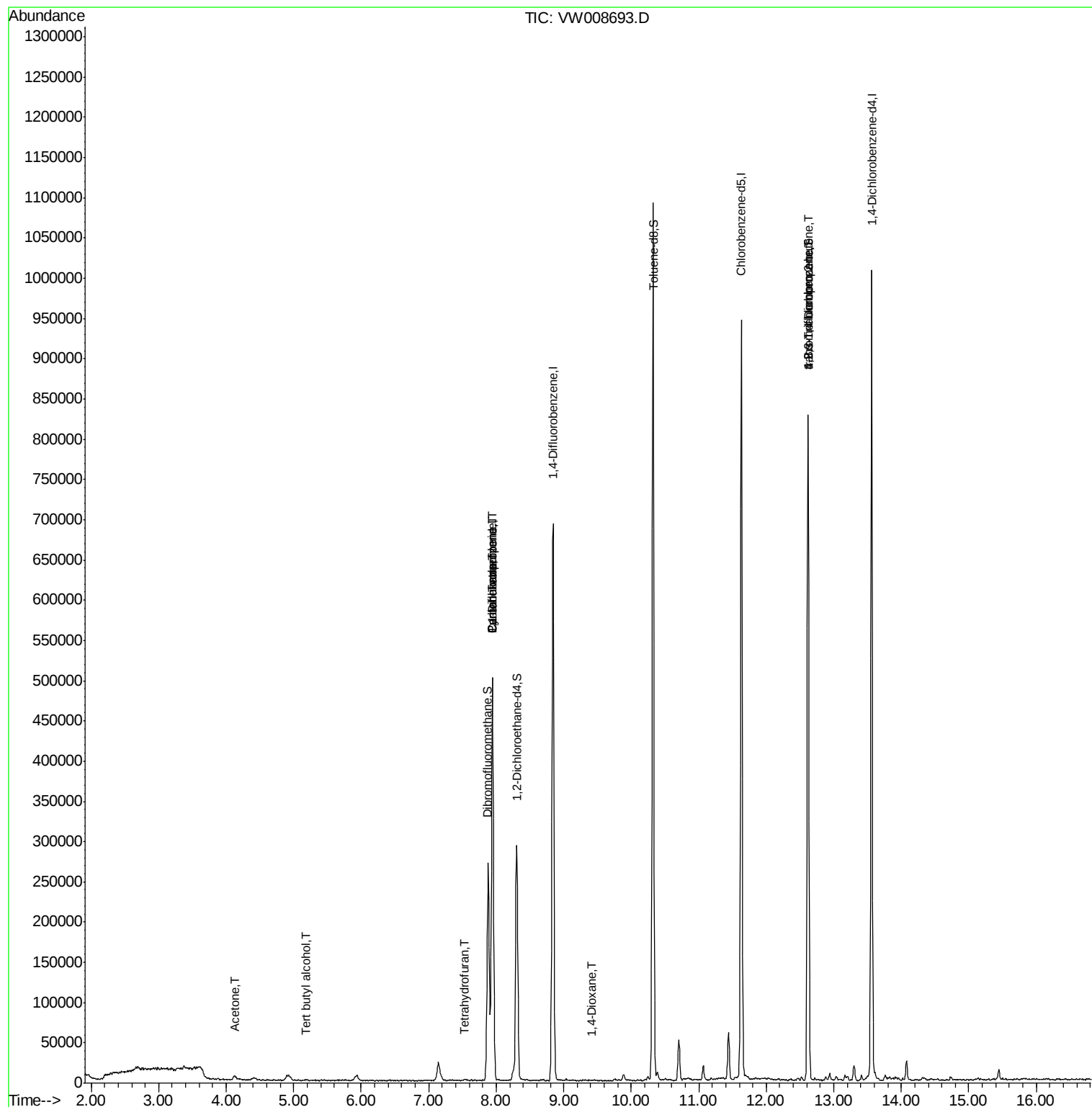
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	1054	3.336	ug/l	99
16) Acetone	4.13	43	10295	11.455	ug/l #	82
20) Methylene Chloride	4.90	84	2084	Below Cal		94
29) Tetrahydrofuran	7.53	42	1738	2.078	ug/l #	44
31) Cyclohexane	7.94	56	8226	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	29658	5.109	ug/l #	50
38) Carbon Tetrachloride	7.95	117	36819	6.378	ug/l #	16
49) 1,4-Dioxane	9.41	88	49	1.420	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	127379	50.629	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	127379	108.522	ug/l #	7

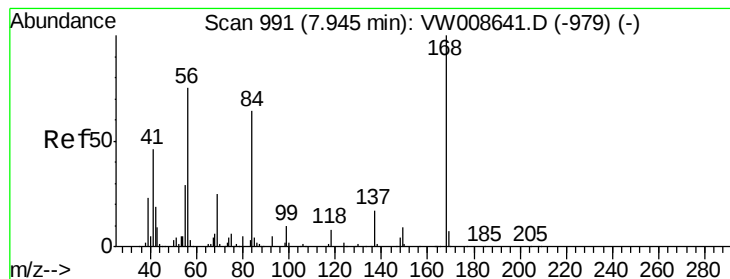
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

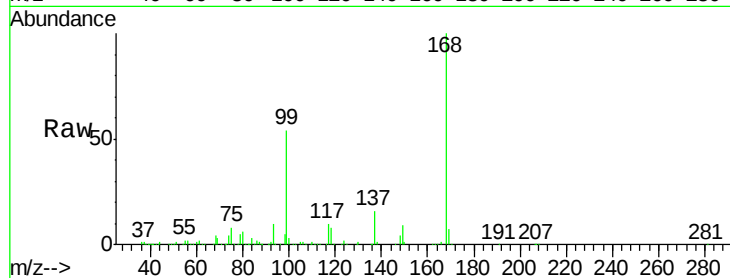
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 379881

Ion Ratio Lower Upper

168 100

99 54.4 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

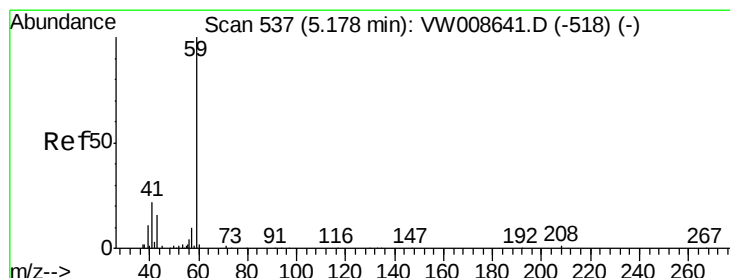
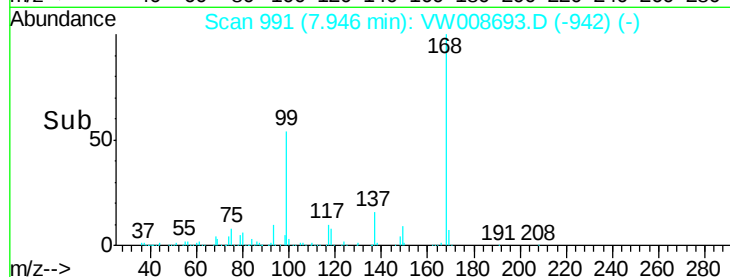
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 3.336 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.00 min

Lab File: VW008693.D

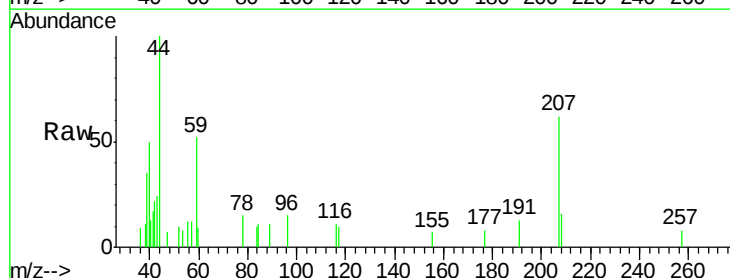
Acq: 15 Feb 2019 19:06

Tgt Ion: 59 Resp: 1054

Ion Ratio Lower Upper

59 100

57 10.0 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

400

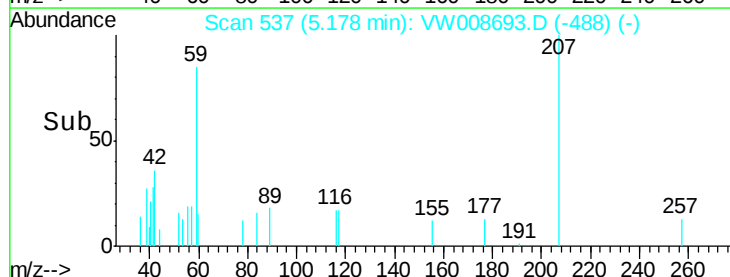
300

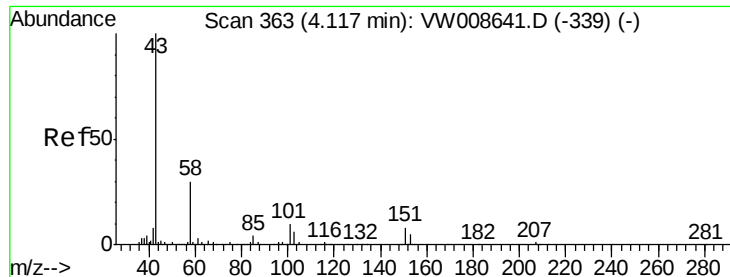
200

100

0

Time--> 5.10 5.15 5.20





#16

Acetone

Concen: 11.455 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

Instrument :

MSVOA_W

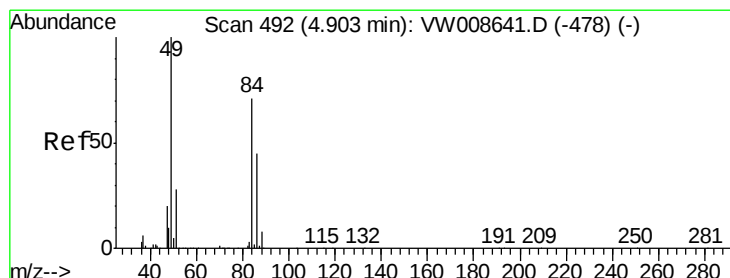
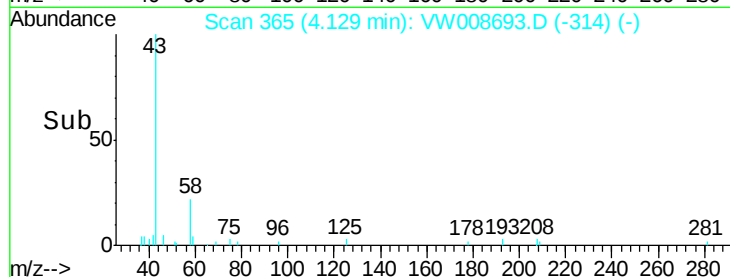
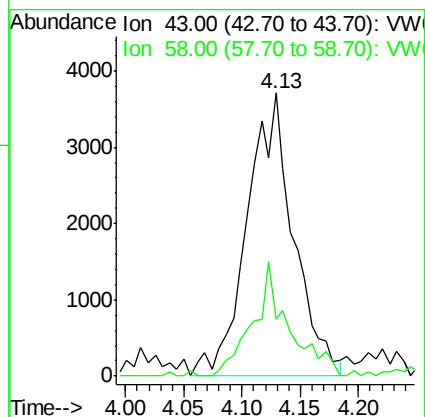
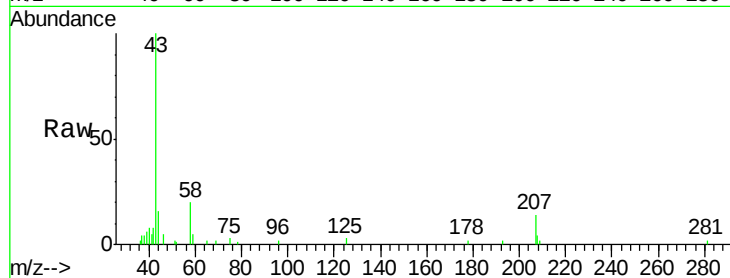
ClientSampleId :

Tot Ion: 43 Resp: 10295

Ion Ratio Lower Upper

43 100

58 20.2 24.1 36.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

Tgt Ion: 84 Resp: 2084

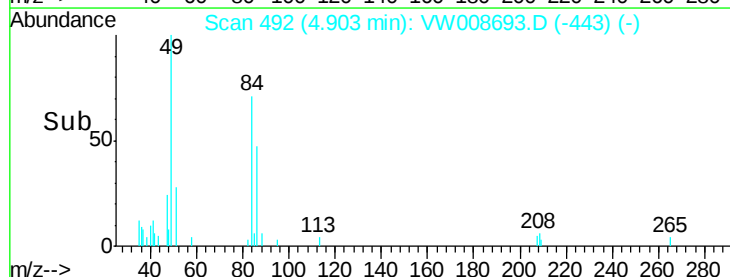
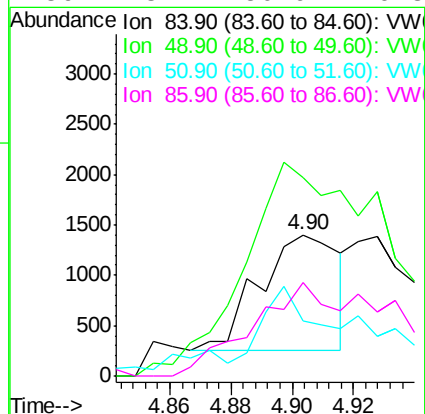
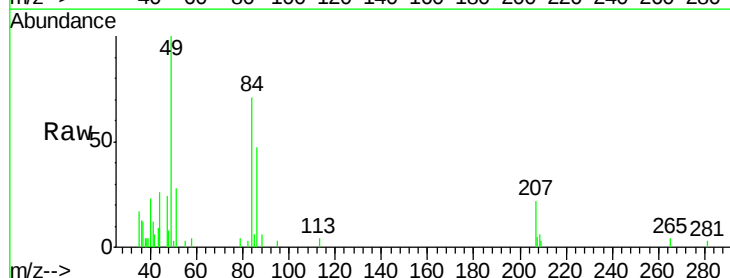
Ion Ratio Lower Upper

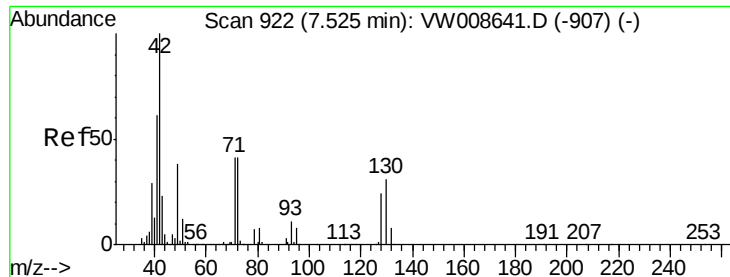
84 100

49 143.5 113.3 169.9

51 32.8 32.1 48.1

86 73.4 50.9 76.3





#29

Tetrahydrofuran

Concen: 2.078 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

Instrument :

MSVOA_W

ClientSampleId :

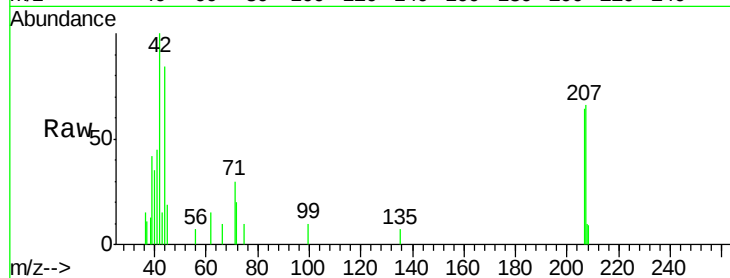
Tot Ion: 42 Resp: 1738

Ion Ratio Lower Upper

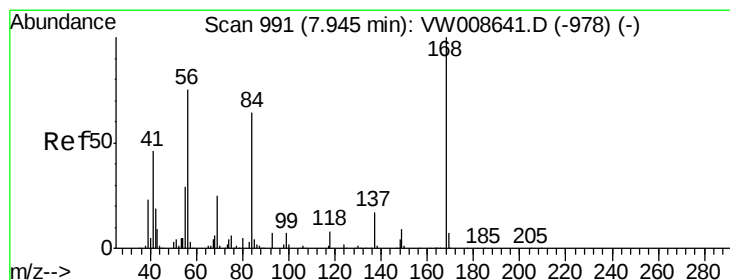
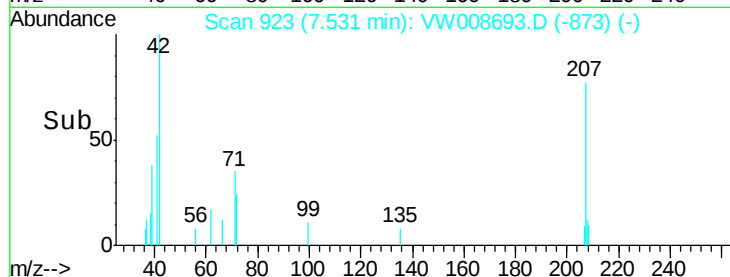
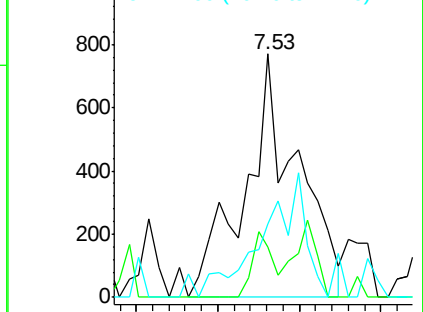
42 100

72 10.4 32.2 48.2#

71 0.0 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: 1.139 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

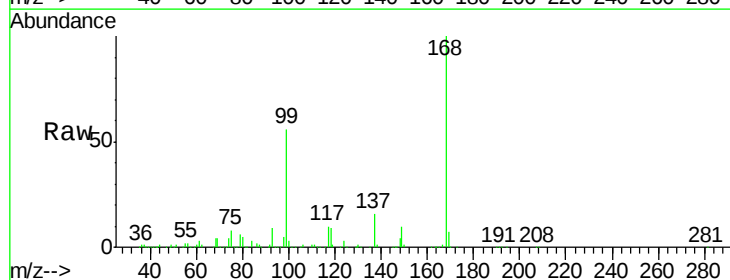
Tgt Ion: 56 Resp: 8226

Ion Ratio Lower Upper

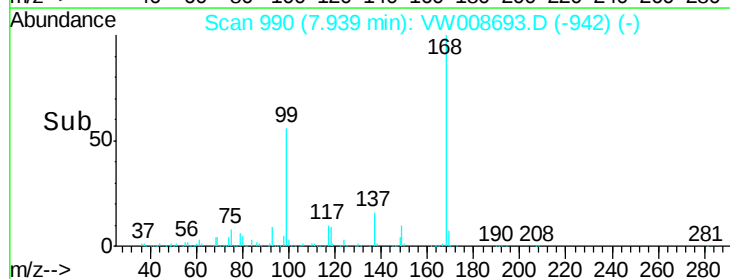
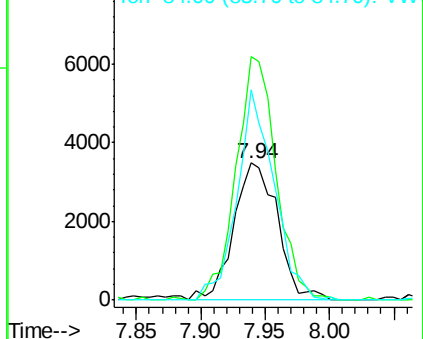
56 100

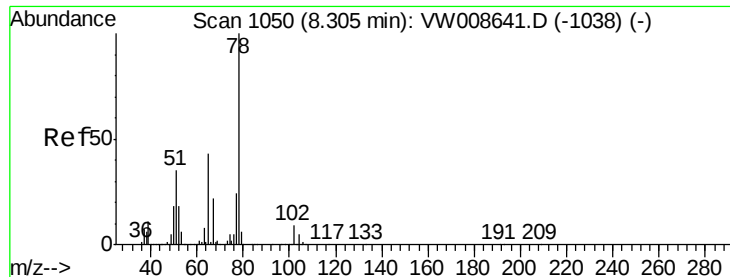
69 177.5 26.4 39.6#

84 153.2 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: 55.881 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

Instrument :

MSVOA_W

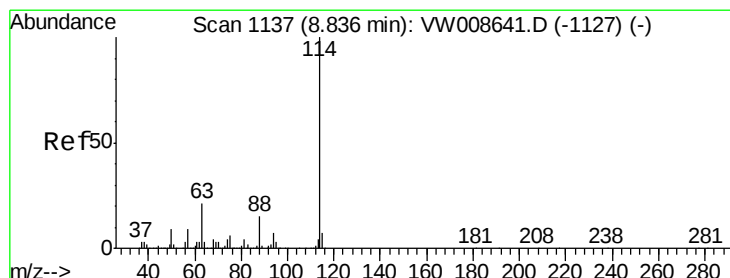
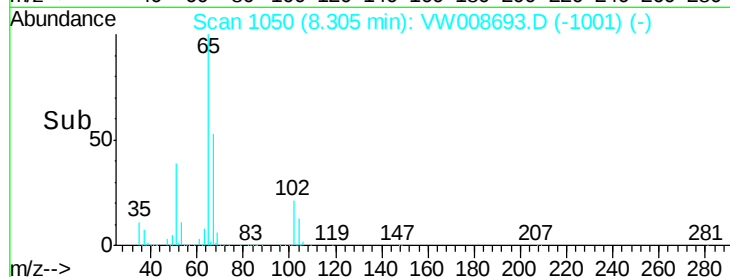
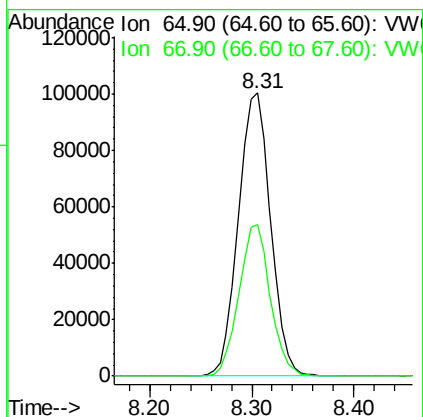
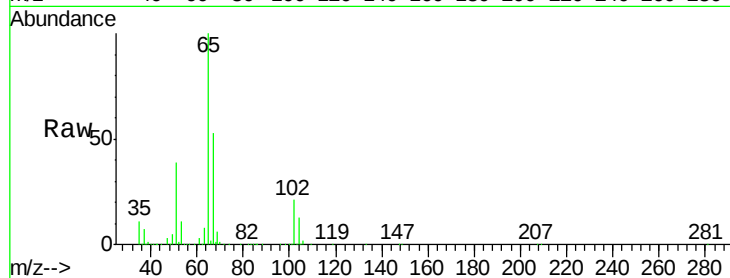
ClientSampleId :

Tot Ion: 65 Resp: 220693

Ion Ratio Lower Upper

65 100

67 52.0 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: VW008693.D

Acq: 15 Feb 2019 19:06

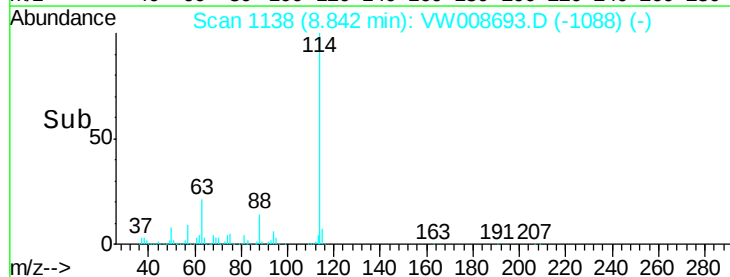
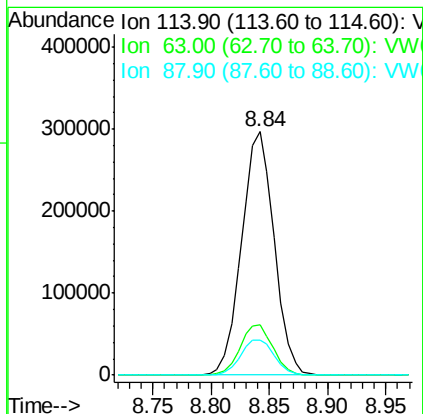
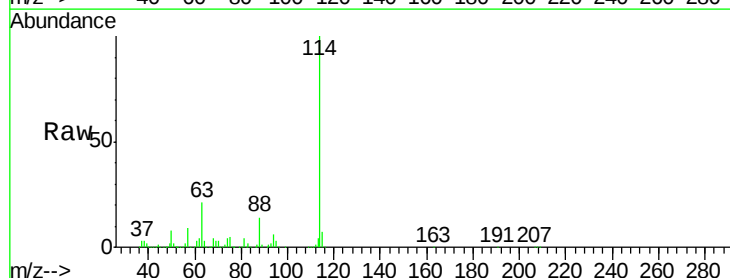
Tgt Ion: 114 Resp: 577841

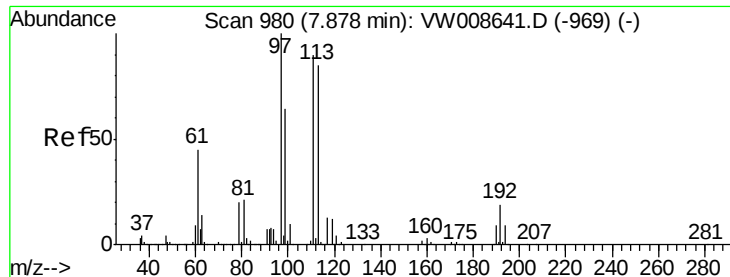
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.2

88 14.4 0.0 29.6

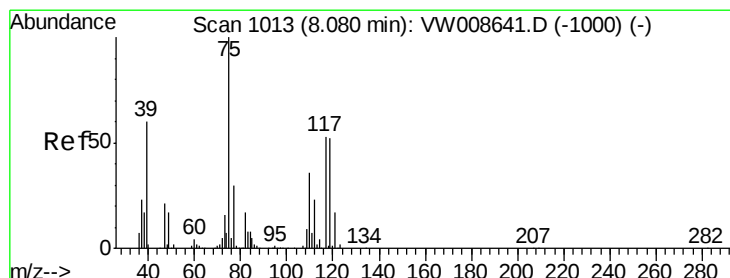
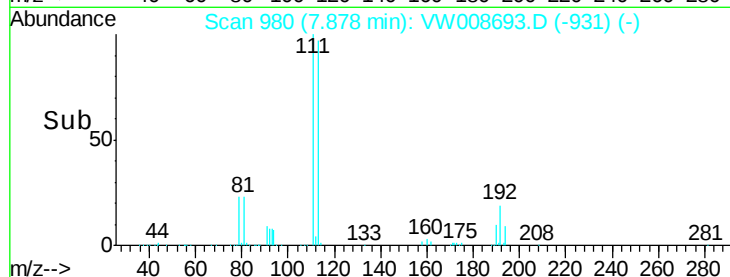
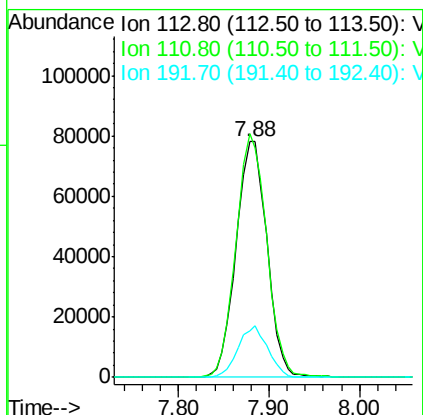
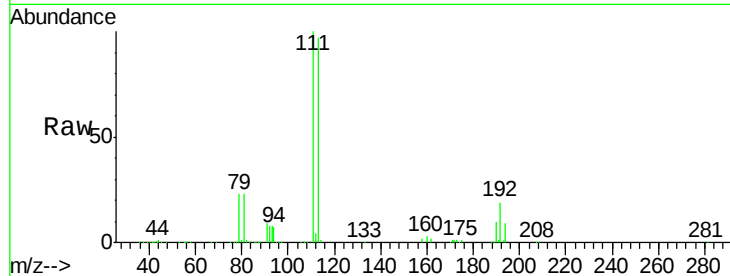




#35
 Dibromofluoromethane
 Concen: 51.687 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008693.D
 Acq: 15 Feb 2019 19:06

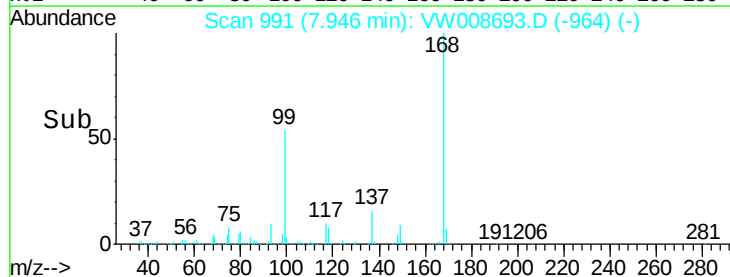
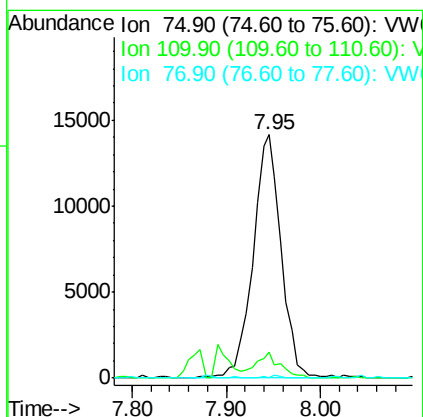
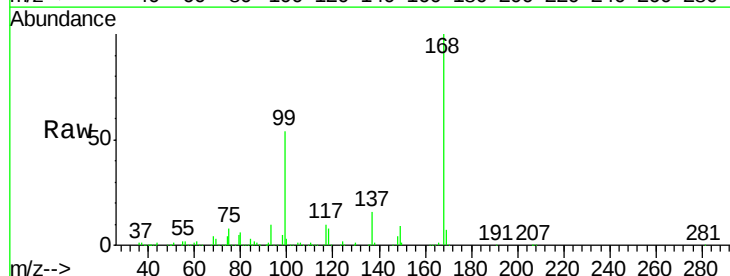
Instrument :
 MSVOA_W
 ClientSampled :

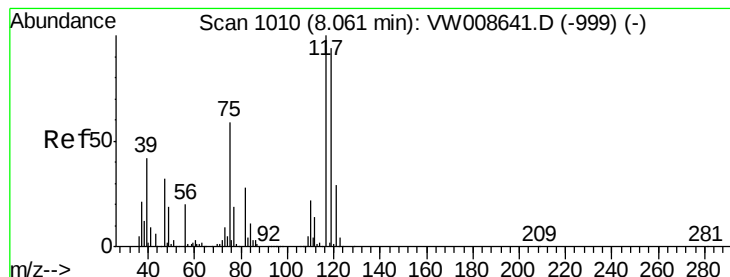
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	84.0	126.0
192	21.0	17.4	26.2



#36
 1,1-Dichloropropene
 Concen: 5.109 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008693.D
 Acq: 15 Feb 2019 19:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.8	53.3#
77	0.4	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.378 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

Instrument :

MSVOA_W

ClientSampled :

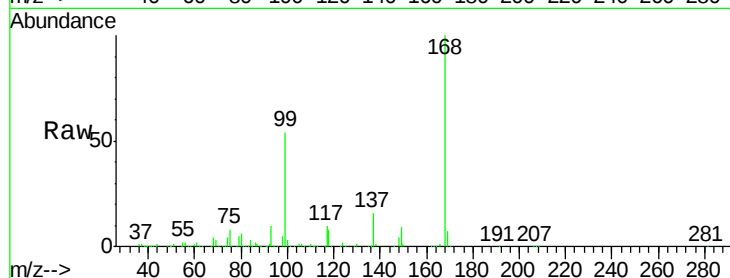
Tot Ion:117 Resp: 36819

Ion Ratio Lower Upper

117 100

119 4.1 75.1 112.7#

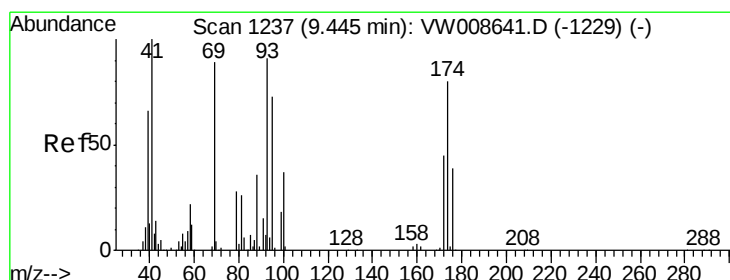
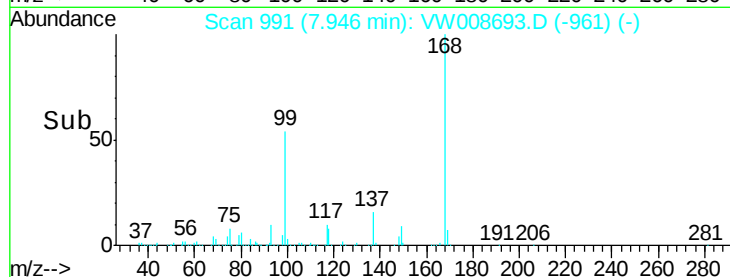
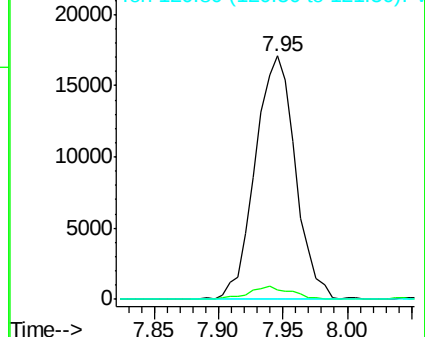
121 0.0 23.5 35.3#



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



#49

1,4-Dioxane

Concen: 1.420 ug/l

RT: 9.41 min Scan# 1232

Delta R.T. -0.03 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

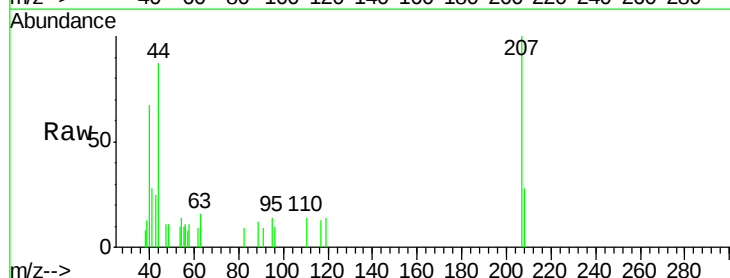
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

88 100

43 285.7 31.0 46.6#

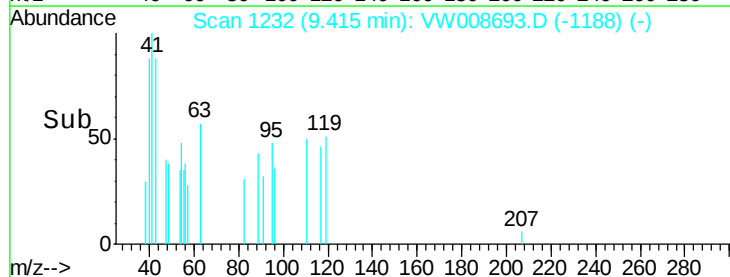
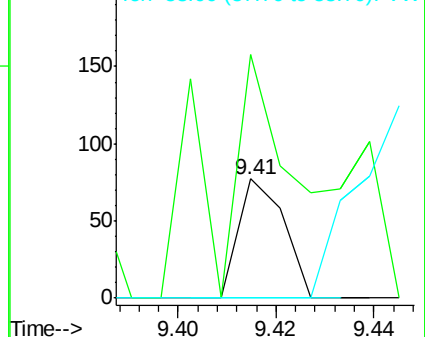
58 0.0 57.0 85.6#

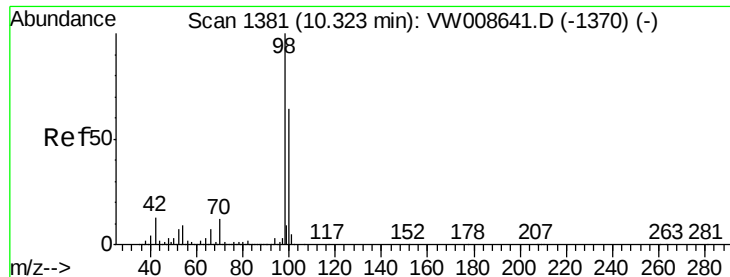


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.337 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

Instrument :

MSVOA_W

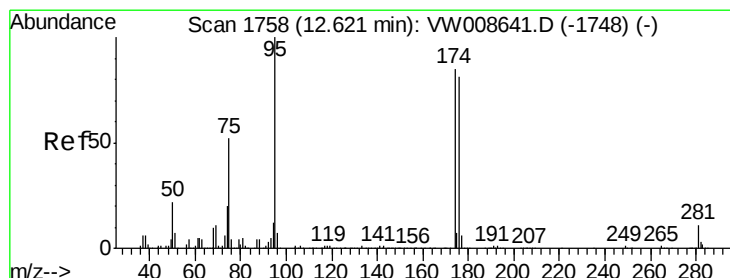
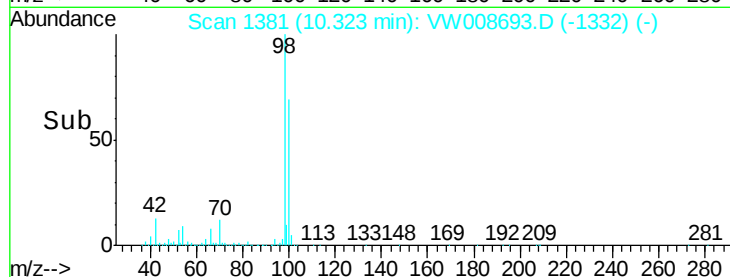
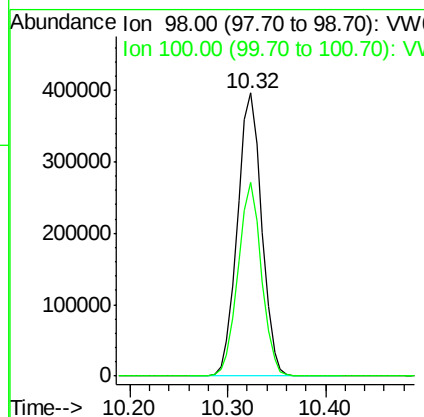
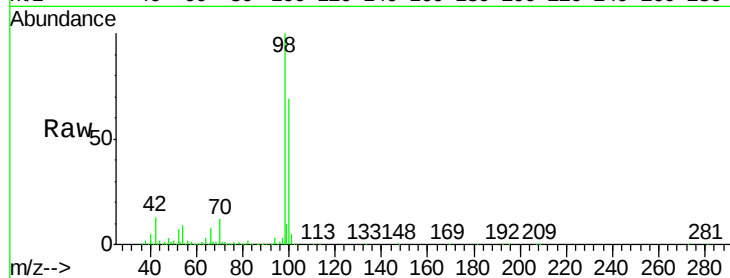
ClientSampleId :

Tot Ion: 98 Resp: 682395

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 46.831 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

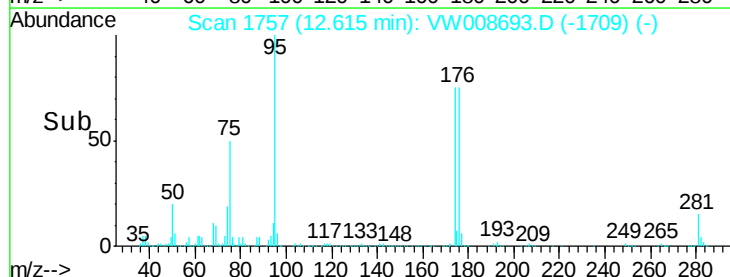
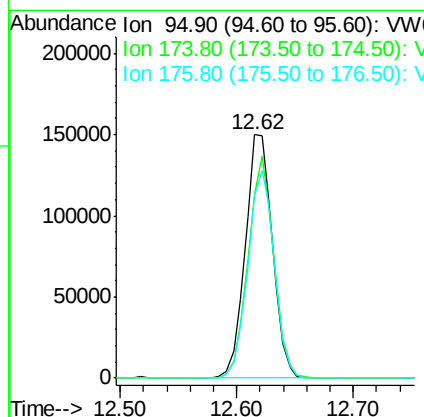
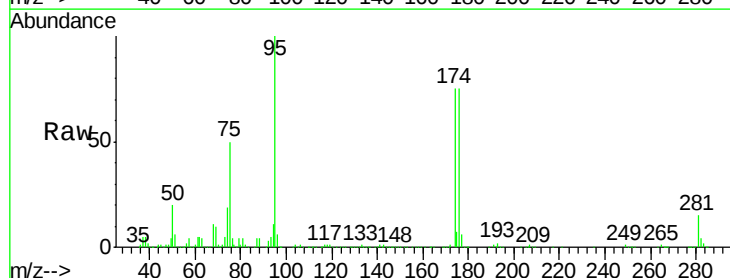
Tgt Ion: 95 Resp: 243982

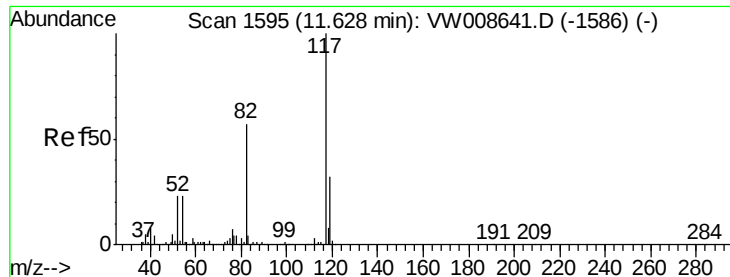
Ion Ratio Lower Upper

95 100

174 86.2 0.0 163.2

176 82.8 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: VW008693.D

Acq: 15 Feb 2019 19:06

Instrument :

MSVOA_W

ClientSampleId :

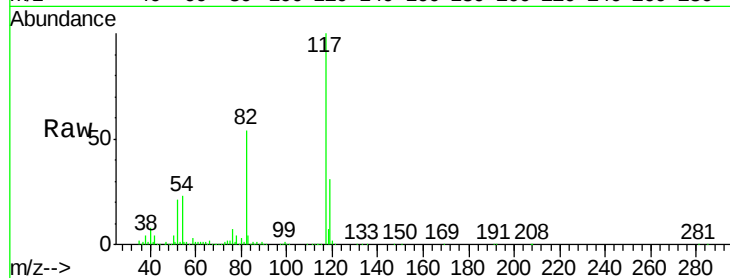
Tot Ion:117 Resp: 517234

Ion Ratio Lower Upper

117 100

82 54.2 45.6 68.4

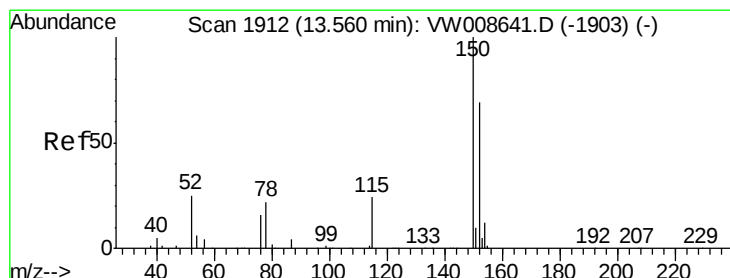
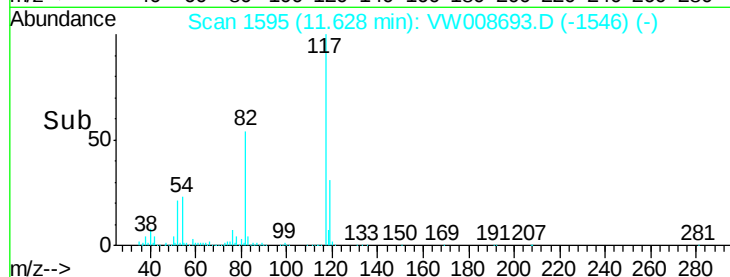
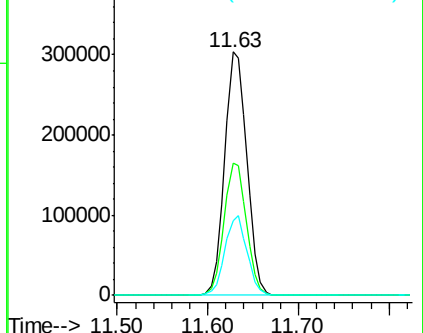
119 30.8 25.7 38.5



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: VW008693.D

Acq: 15 Feb 2019 19:06

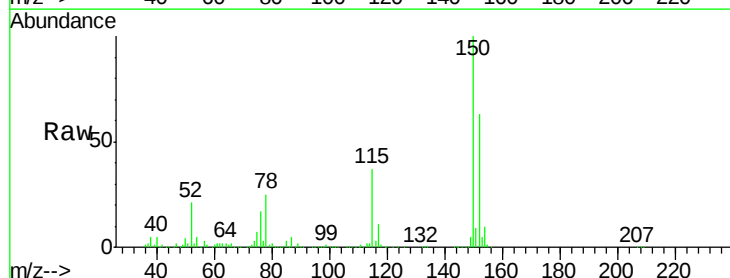
Tgt Ion:152 Resp: 254789

Ion Ratio Lower Upper

152 100

115 57.9 29.3 87.8

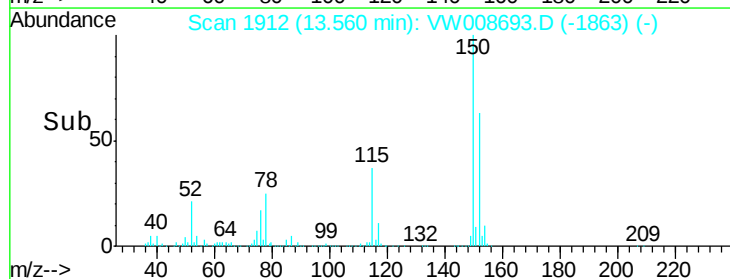
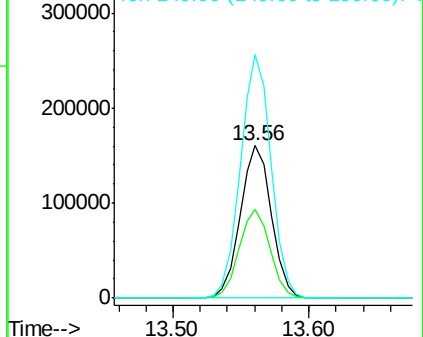
150 157.0 0.0 352.8

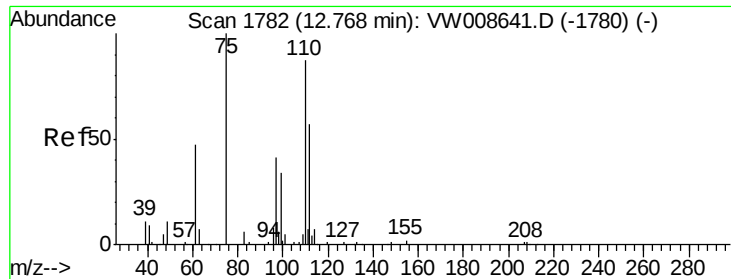


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 50.629 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

Instrument :

MSVOA_W

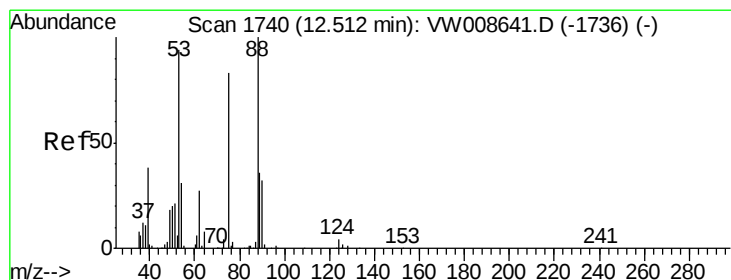
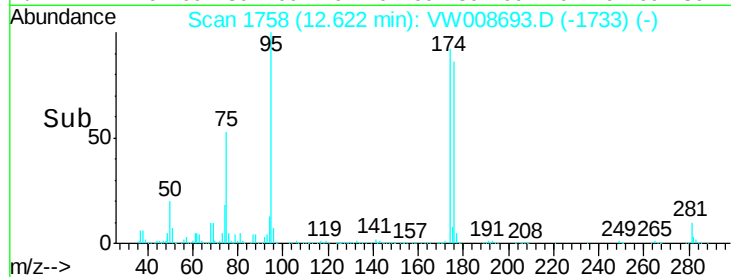
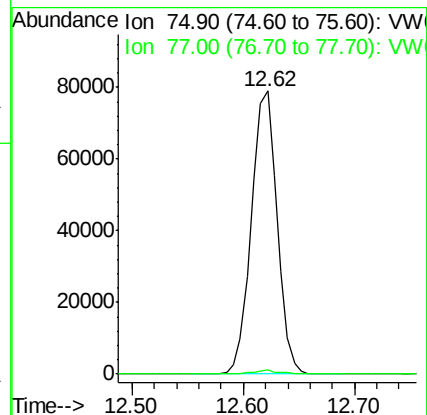
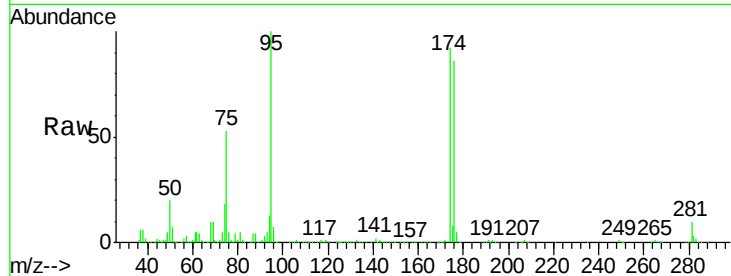
ClientSampleId :

Tot Ion: 75 Resp: 127379

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.522 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008693.D

Acq: 15 Feb 2019 19:06

Tgt Ion: 75 Resp: 127379

Ion Ratio Lower Upper

75 100

53 0.3 87.4 131.0#

89 0.2 37.0 55.4#

