

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
 Data File : VW013359.D
 Acq On : 01 Oct 2019 04:15
 Operator : SY/VA
 Sample : K4946-10
 Misc : 5.74G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-5 (1-3)

Quant Time: Oct 01 05:43:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	311208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	449756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102125	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	144713	56.98	ug/l	0.00
Spiked Amount			Recovery	=	113.96%	
35) Dibromofluoromethane	7.88	113	145906	58.98	ug/l	0.00
Spiked Amount			Recovery	=	117.96%	
50) Toluene-d8	10.32	98	537988	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.61	95	117599	33.25	ug/l	0.00
Spiked Amount			Recovery	=	66.50%	

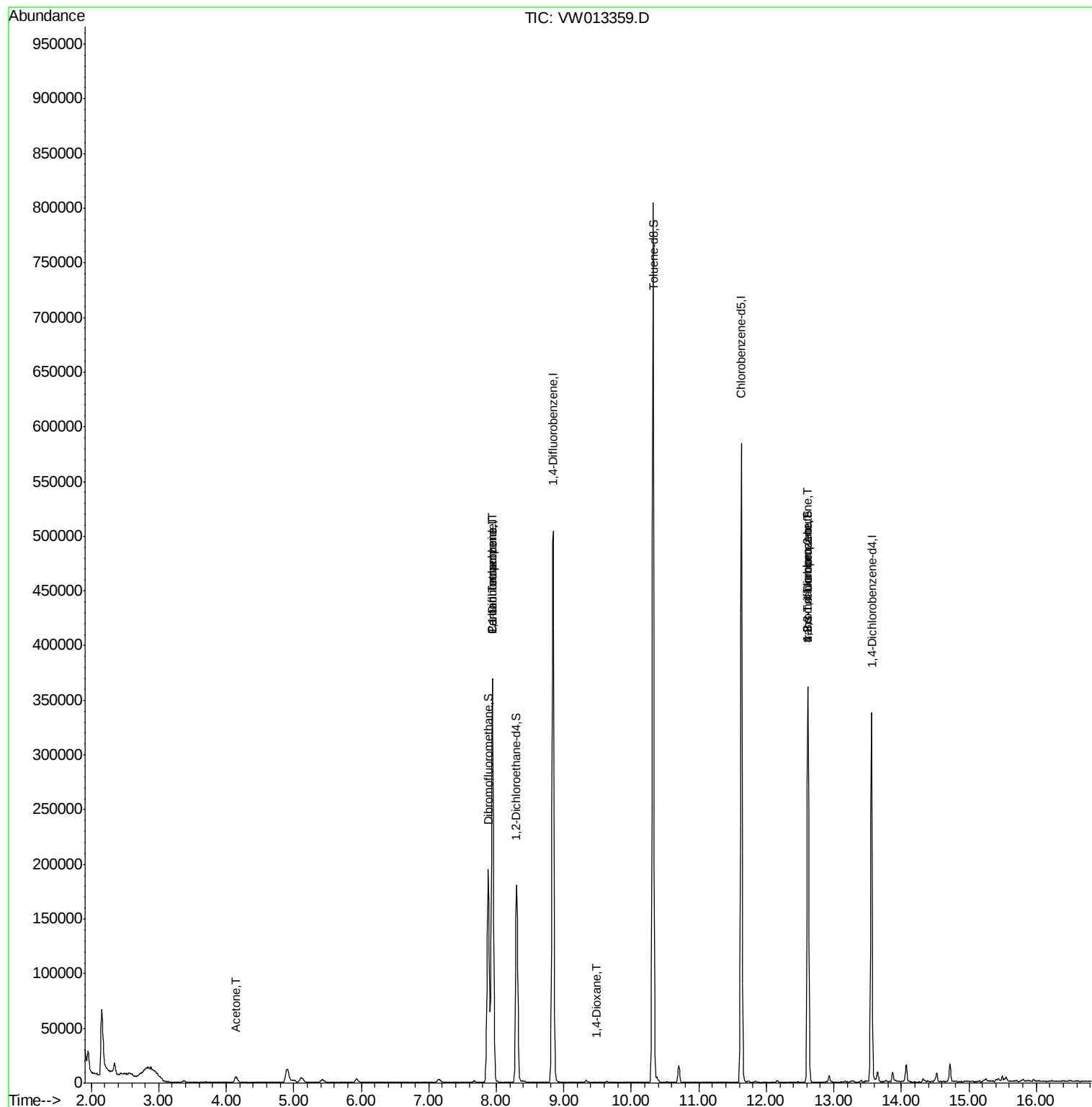
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	174	Below Cal	#	73
16) Acetone	4.14	43	10485	18.305	ug/l #	82
26) 2,2-Dichloropropane	7.14	77	183	Below Cal	#	52
36) 1,1-Dichloropropene	7.95	75	19435	4.461	ug/l #	40
38) Carbon Tetrachloride	7.95	117	26717	6.842	ug/l #	18
49) 1,4-Dioxane	9.48	88	26	1.203	ug/l #	8
76) 1,2,3-Trichloropropane	12.61	75	54295	60.201	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	54295	135.085	ug/l #	12

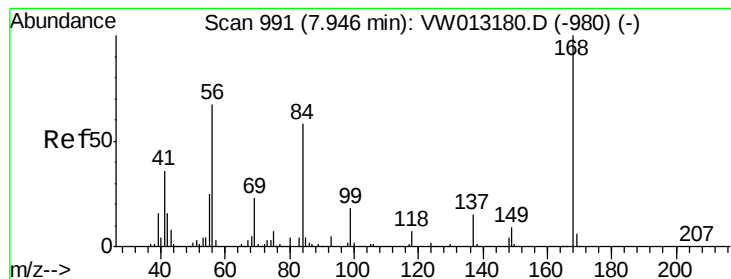
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
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ClientSampleId :
GP-5_(1-3)

Quant Time: Oct 01 05:43:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 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: VW013359.D

Acq: 01 Oct 2019 04:15

Instrument :

MSVOA_W

ClientSampleId :

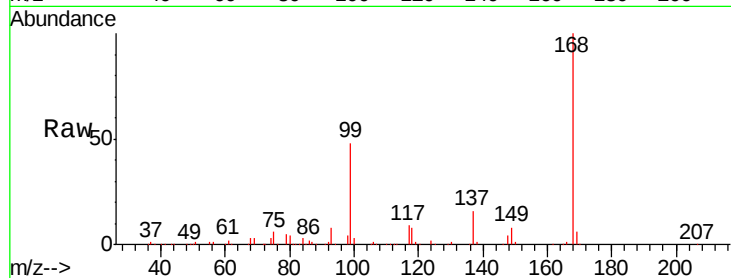
GP-5 (1-3)

Tgt Ion: 168 Resp: 311208

Ion Ratio Lower Upper

168 100

99 47.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

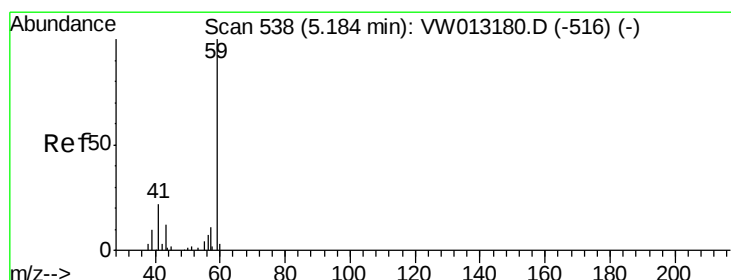
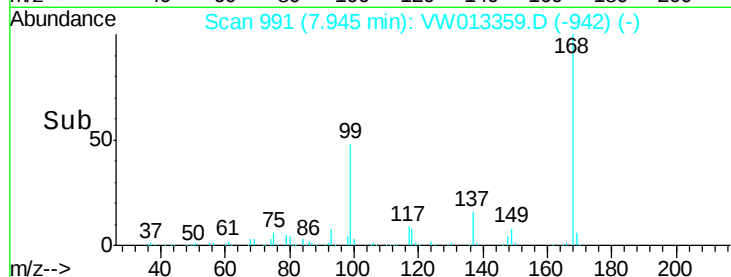
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.02 min

Lab File: VW013359.D

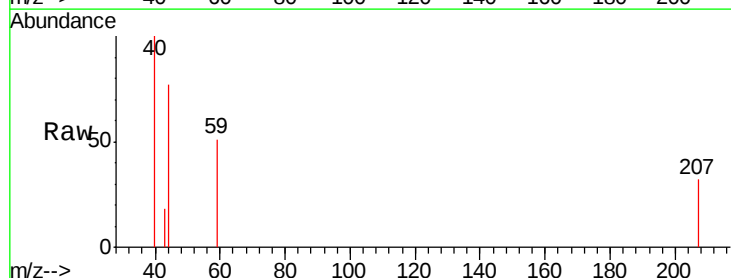
Acq: 01 Oct 2019 04:15

Tgt Ion: 59 Resp: 174

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

150

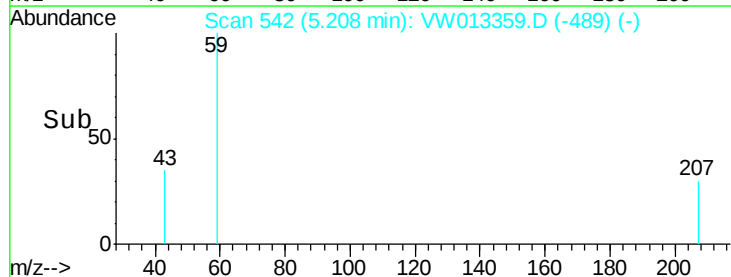
100

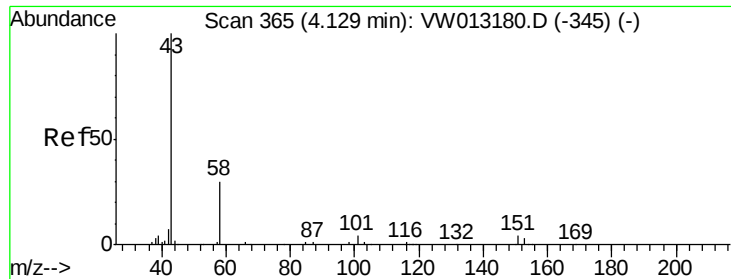
50

0

5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 18.305 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013359.D

Acq: 01 Oct 2019 04:15

Instrument :

MSVOA_W

ClientSampled :

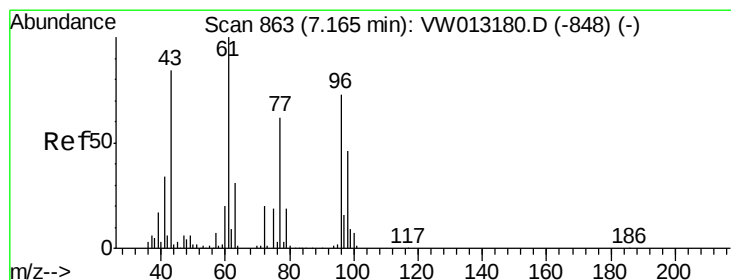
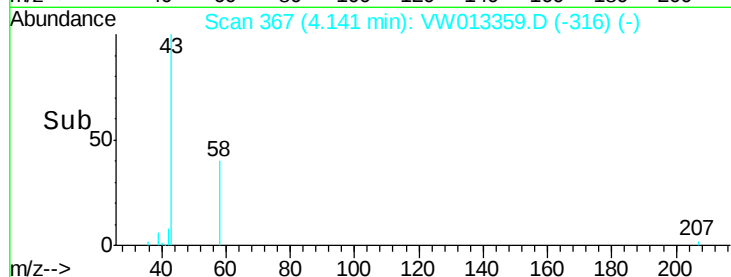
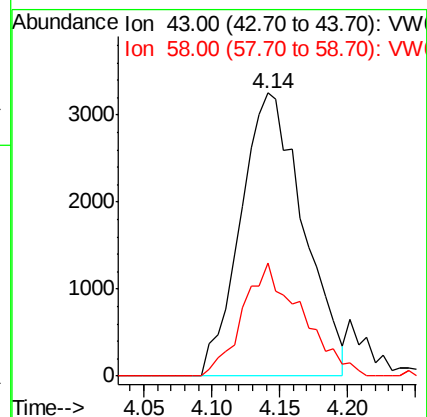
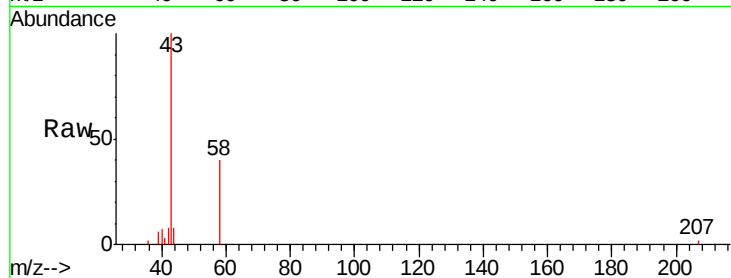
GP-5 (1-3)

Tgt Ion: 43 Resp: 10485

Ion Ratio Lower Upper

43 100

58 39.8 24.1 36.1#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013359.D

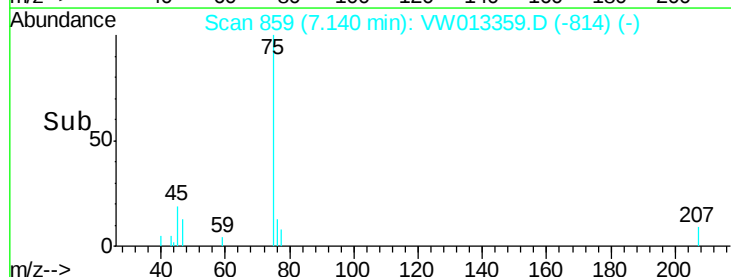
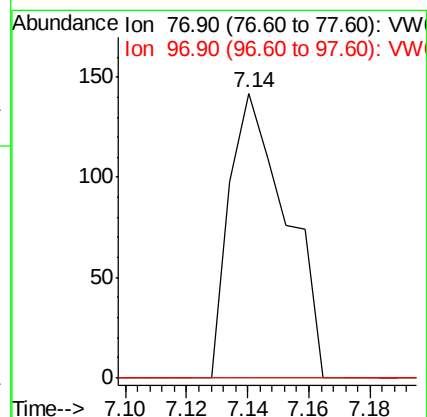
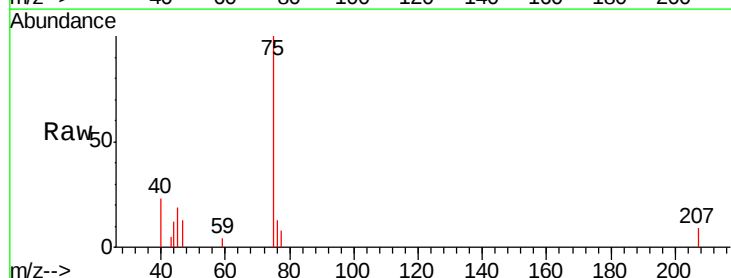
Acq: 01 Oct 2019 04:15

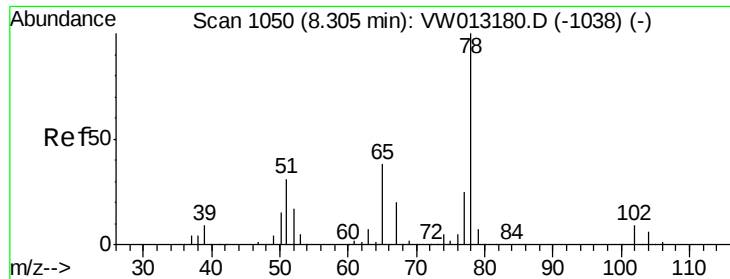
Tgt Ion: 77 Resp: 183

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#

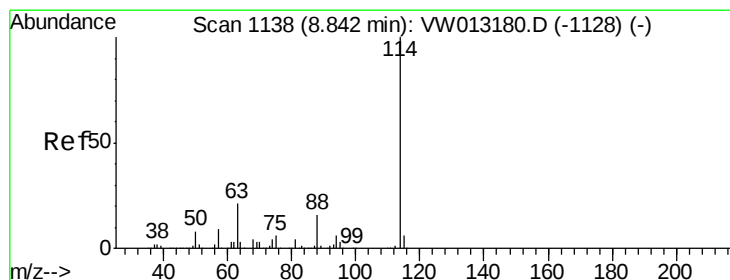
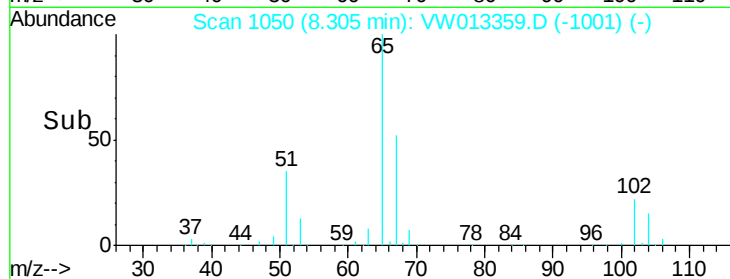
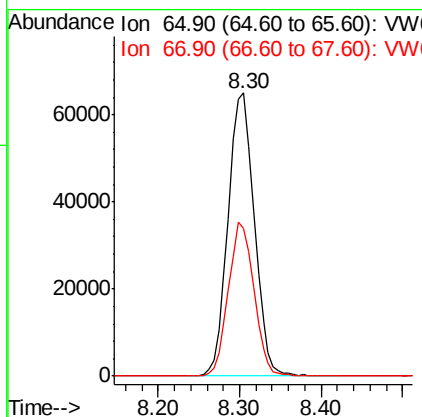
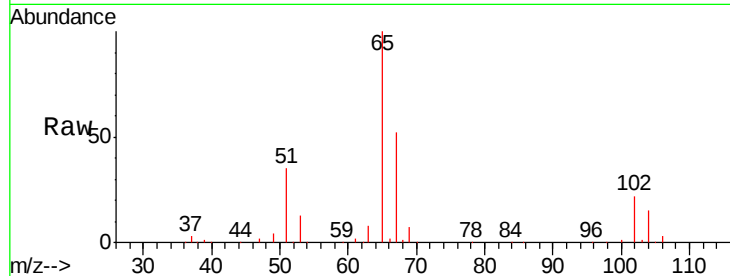




#33
 1,2-Dichloroethane-d4
 Concen: 56.976 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013359.D
 Acq: 01 Oct 2019 04:15

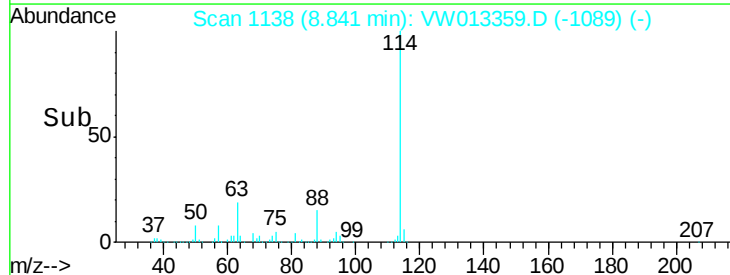
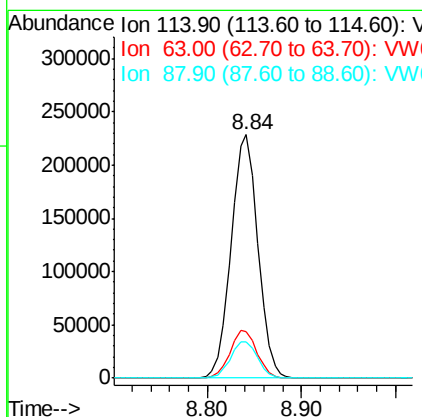
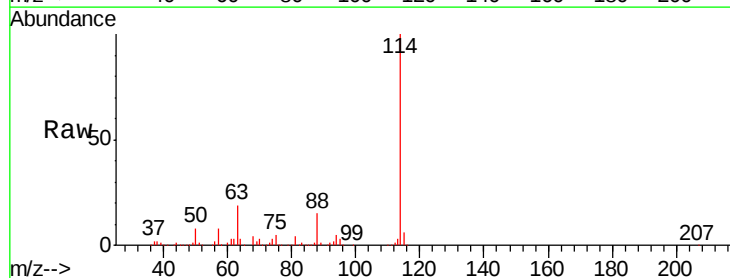
Instrument :
 MSVOA_W
 ClientSampleId :
 GP-5 (1-3)

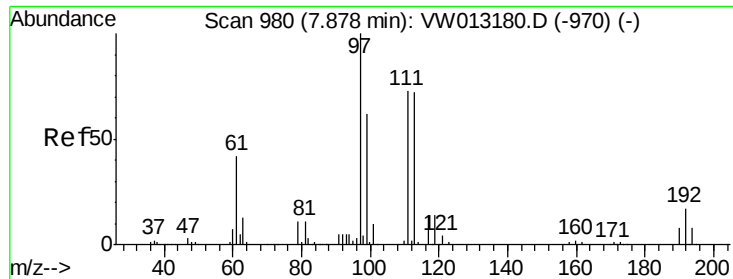
Tgt Ion: 65 Resp: 144713
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013359.D
 Acq: 01 Oct 2019 04:15

Tgt Ion: 114 Resp: 449756
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.1 0.0 32.0

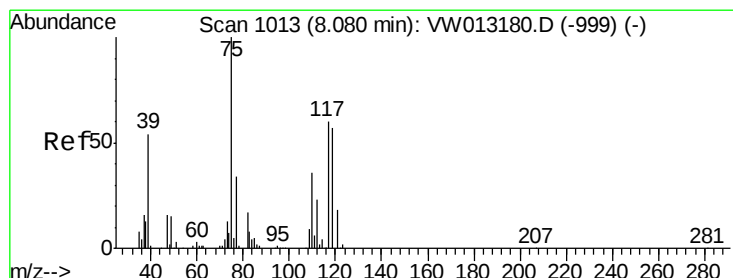
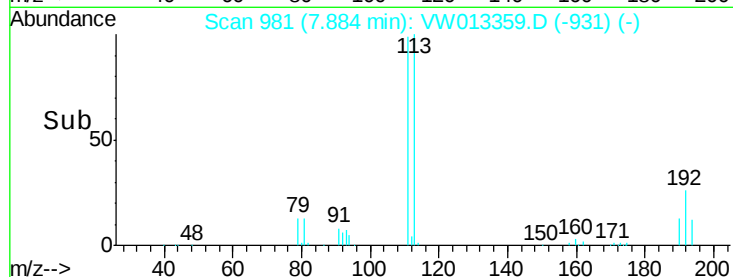
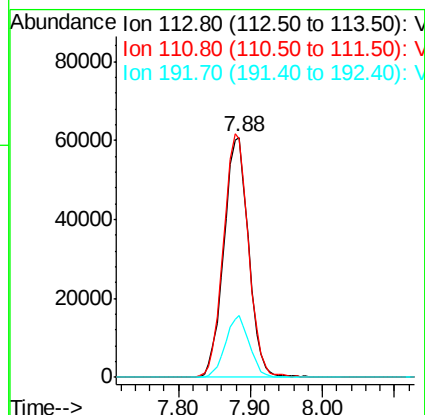
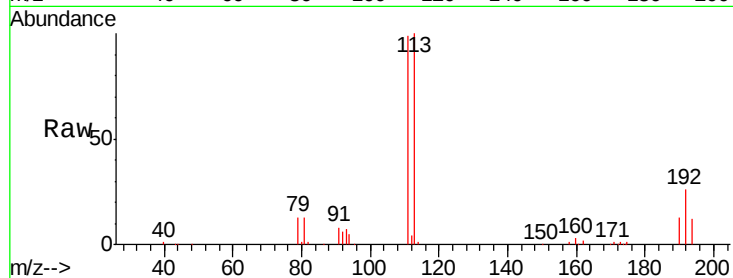




#35
 Dibromofluoromethane
 Concen: 58.984 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013359.D
 Acq: 01 Oct 2019 04:15

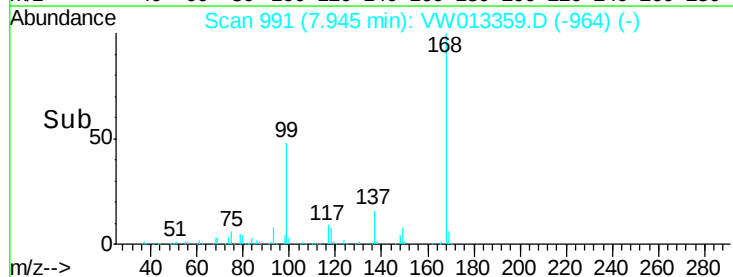
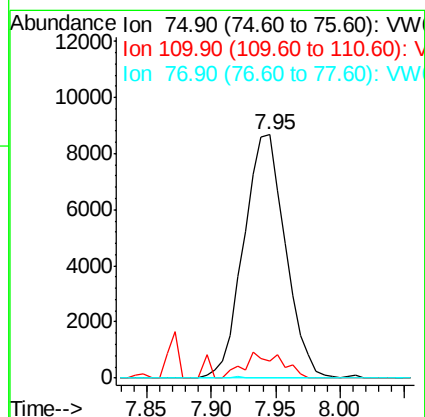
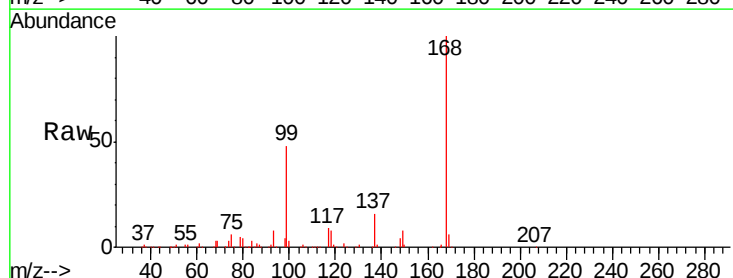
Instrument :
 MSVOA_W
 ClientSampleId :
 GP-5 (1-3)

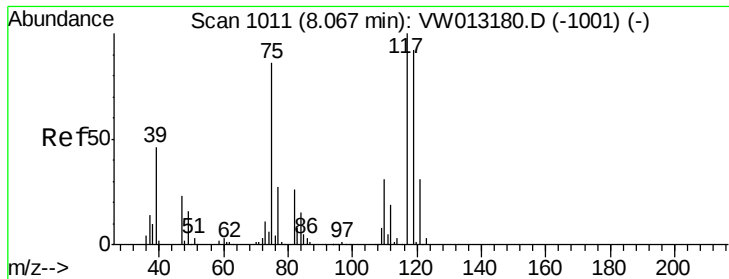
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	24.5	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.461 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013359.D
 Acq: 01 Oct 2019 04:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.3#
77	0.0	25.8	38.6#





#38

Carbon Tetrachloride

Concen: 6.842 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013359.D

Acq: 01 Oct 2019 04:15

Instrument :

MSVOA_W

ClientSampleId :

GP-5 (1-3)

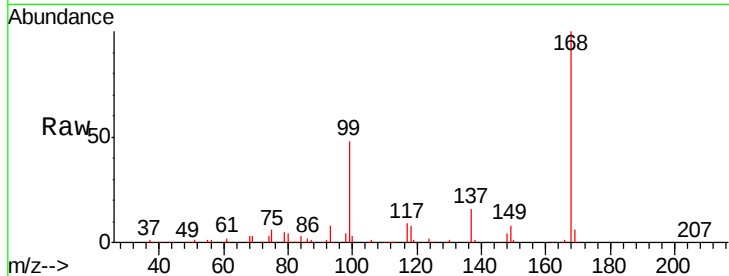
Tgt Ion:117 Resp: 26717

Ion Ratio Lower Upper

117 100

119 5.6 73.5 110.3#

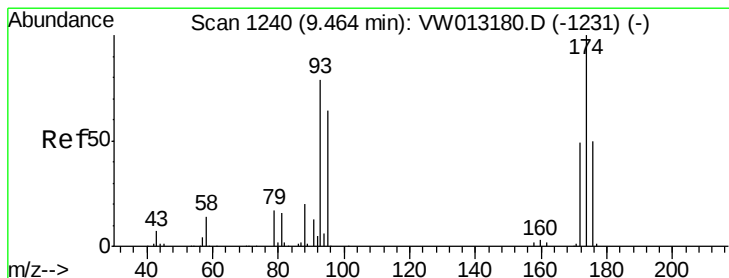
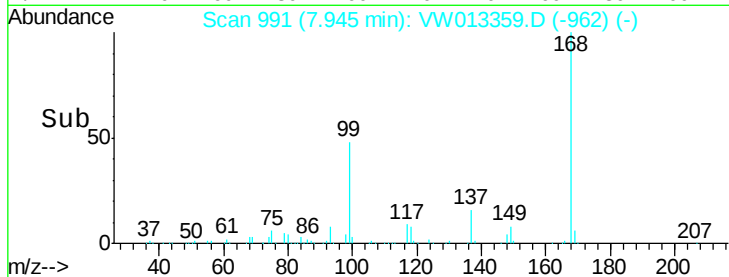
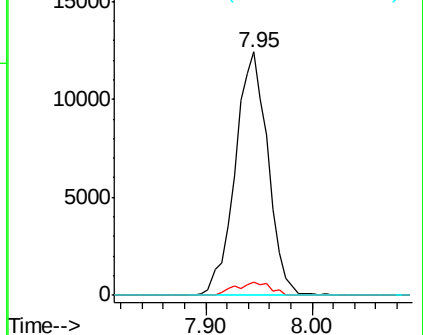
121 0.0 25.0 37.6#



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: 1.203 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VW013359.D

Acq: 01 Oct 2019 04:15

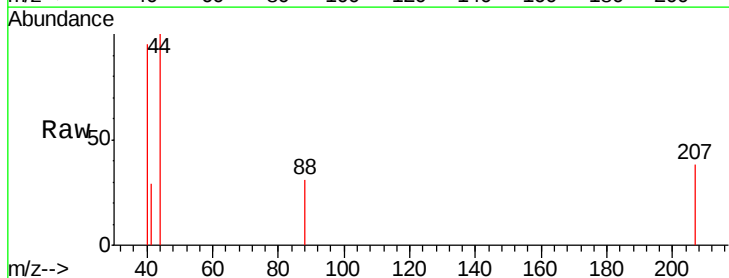
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 76.9 0.0 0.0#

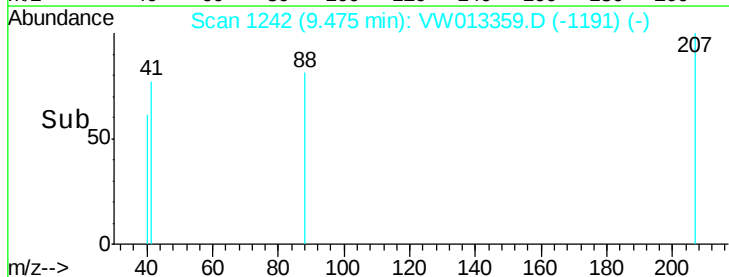
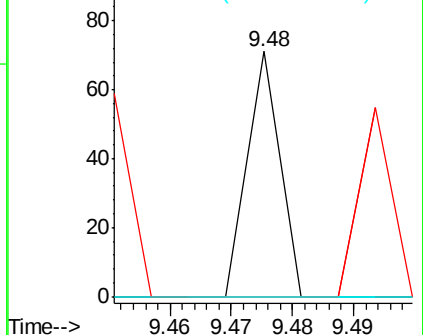
58 0.0 65.4 98.0#

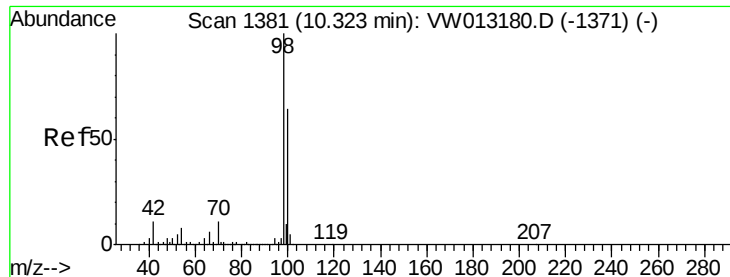


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.967 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013359.D

Acq: 01 Oct 2019 04:15

Instrument :

MSVOA_W

ClientSampleId :

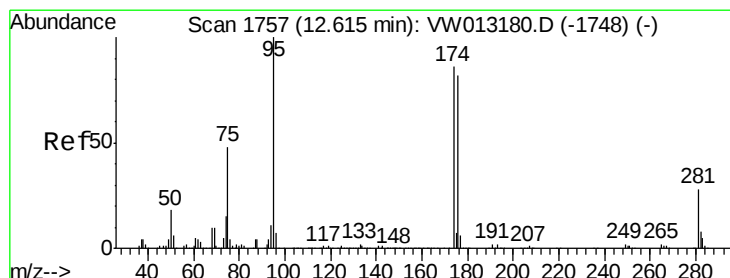
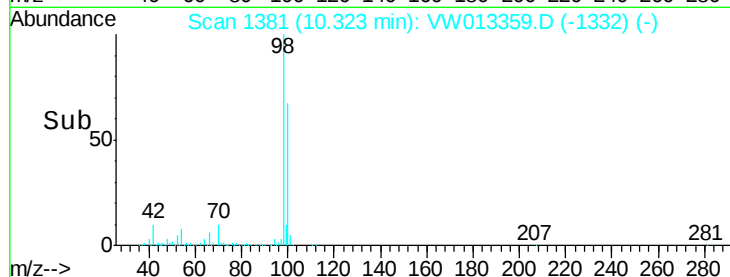
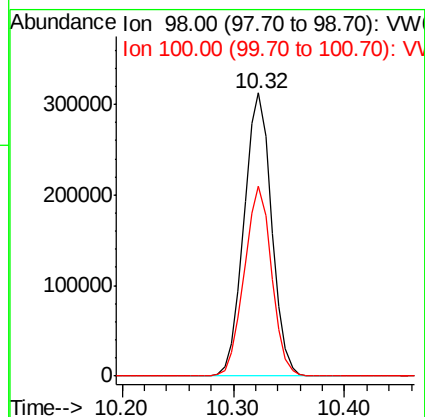
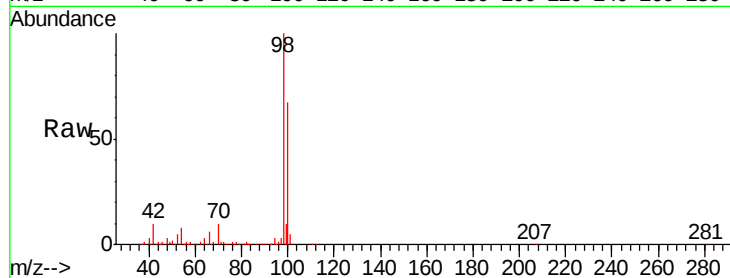
GP-5 (1-3)

Tgt Ion: 98 Resp: 537988

Ion Ratio Lower Upper

98 100

100 66.6 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 33.254 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013359.D

Acq: 01 Oct 2019 04:15

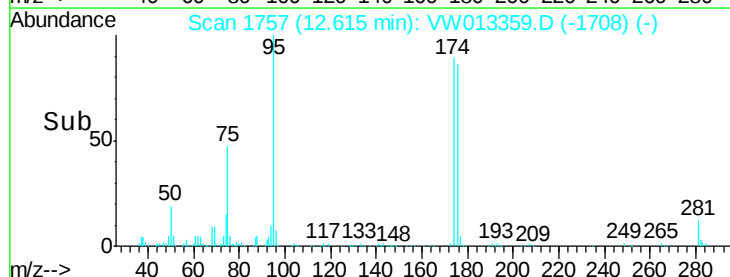
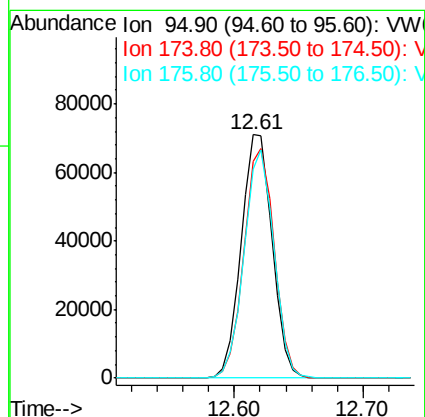
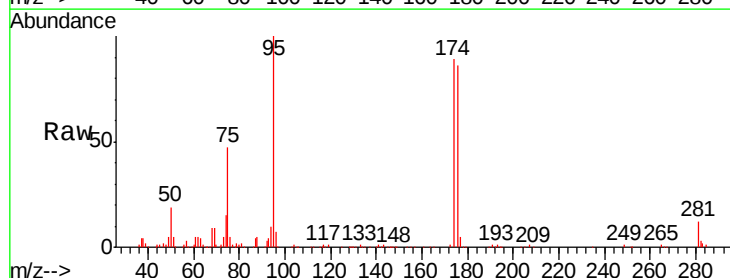
Tgt Ion: 95 Resp: 117599

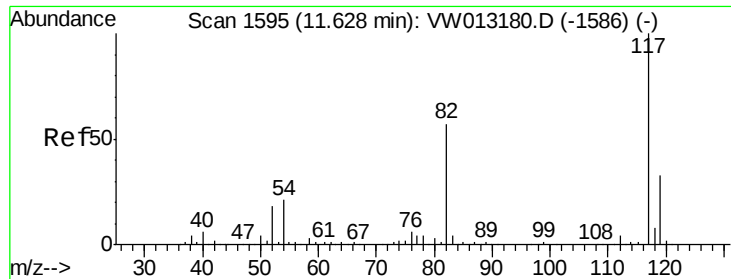
Ion Ratio Lower Upper

95 100

174 92.3 0.0 178.4

176 90.2 0.0 172.2

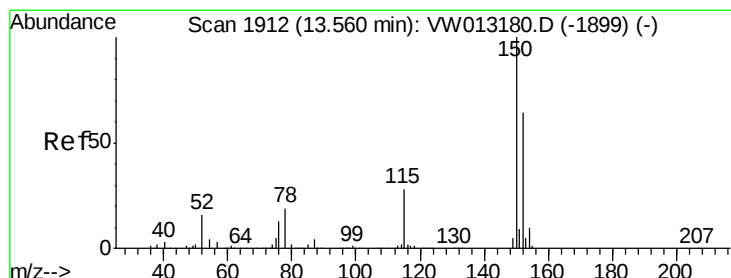
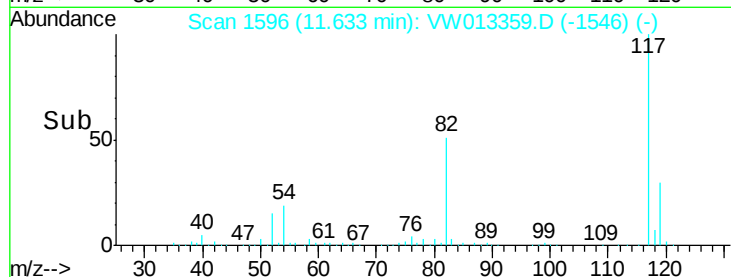
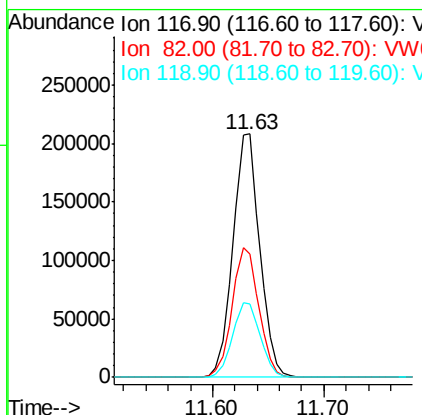
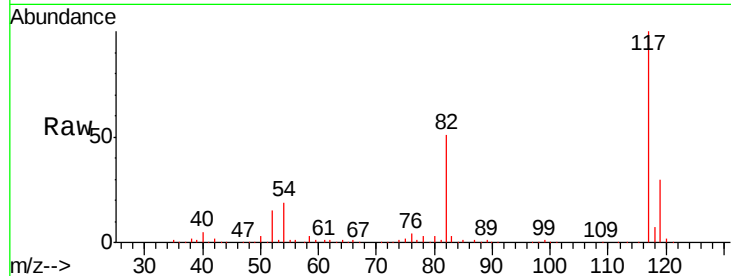




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013359.D
Acq: 01 Oct 2019 04:15

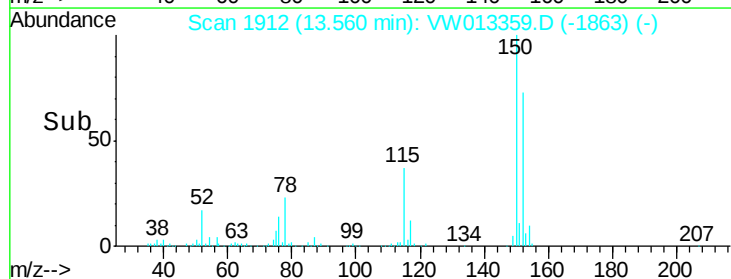
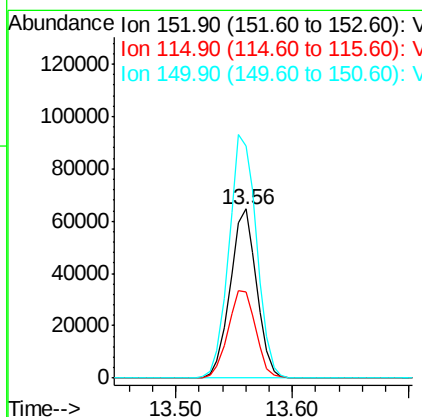
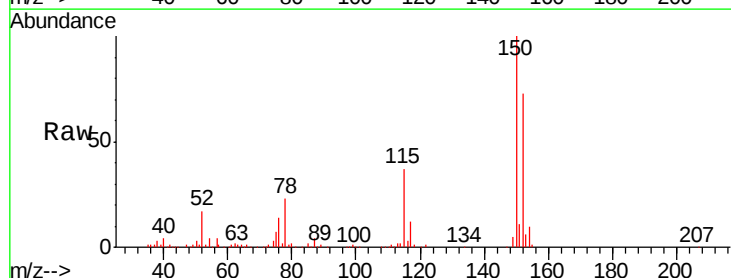
Instrument :
MSVOA_W
ClientSampled :
GP-5 (1-3)

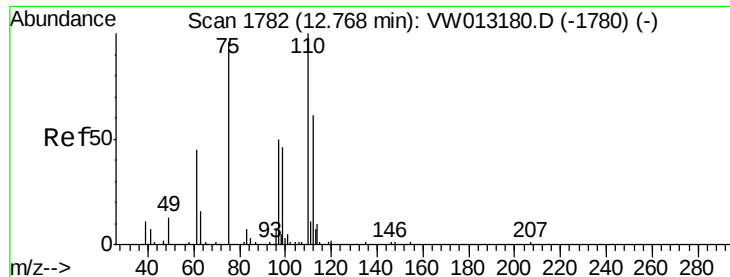
Tgt Ion:117 Resp: 346836
Ion Ratio Lower Upper
117 100
82 50.8 45.9 68.9
119 30.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013359.D
Acq: 01 Oct 2019 04:15

Tgt Ion:152 Resp: 102125
Ion Ratio Lower Upper
152 100
115 54.1 27.3 81.9
150 150.2 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 60.201 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013359.D

Acq: 01 Oct 2019 04:15

Instrument :

MSVOA_W

ClientSampleId :

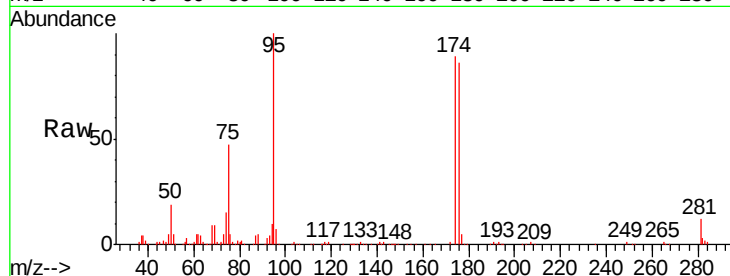
GP-5 (1-3)

Tgt Ion: 75 Resp: 54295

Ion Ratio Lower Upper

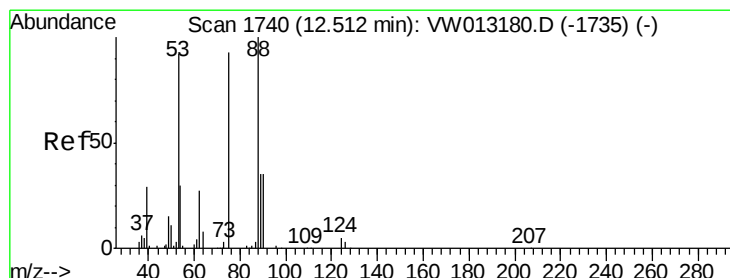
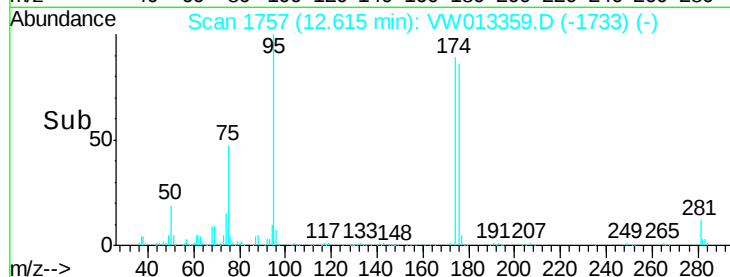
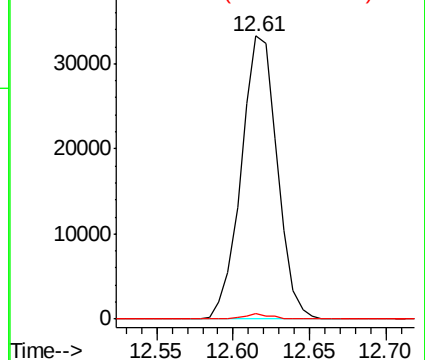
75 100

77 1.5 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: 135.085 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013359.D

Acq: 01 Oct 2019 04:15

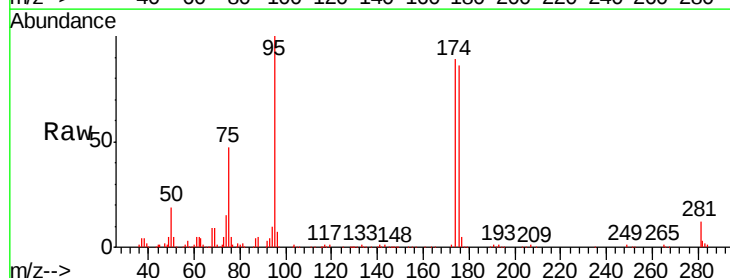
Tgt Ion: 75 Resp: 54295

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#



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

