

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
 Data File : VW013355.D
 Acq On : 01 Oct 2019 02:32
 Operator : SY/VA
 Sample : K4946-06
 Misc : 4.45G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: Oct 01 05:42:43 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	340633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	505460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	125747	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	144985	52.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.30%	
35) Dibromofluoromethane	7.88	113	147836	53.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.36%	
50) Toluene-d8	10.32	98	581782	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.62	95	145987	36.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.46%	

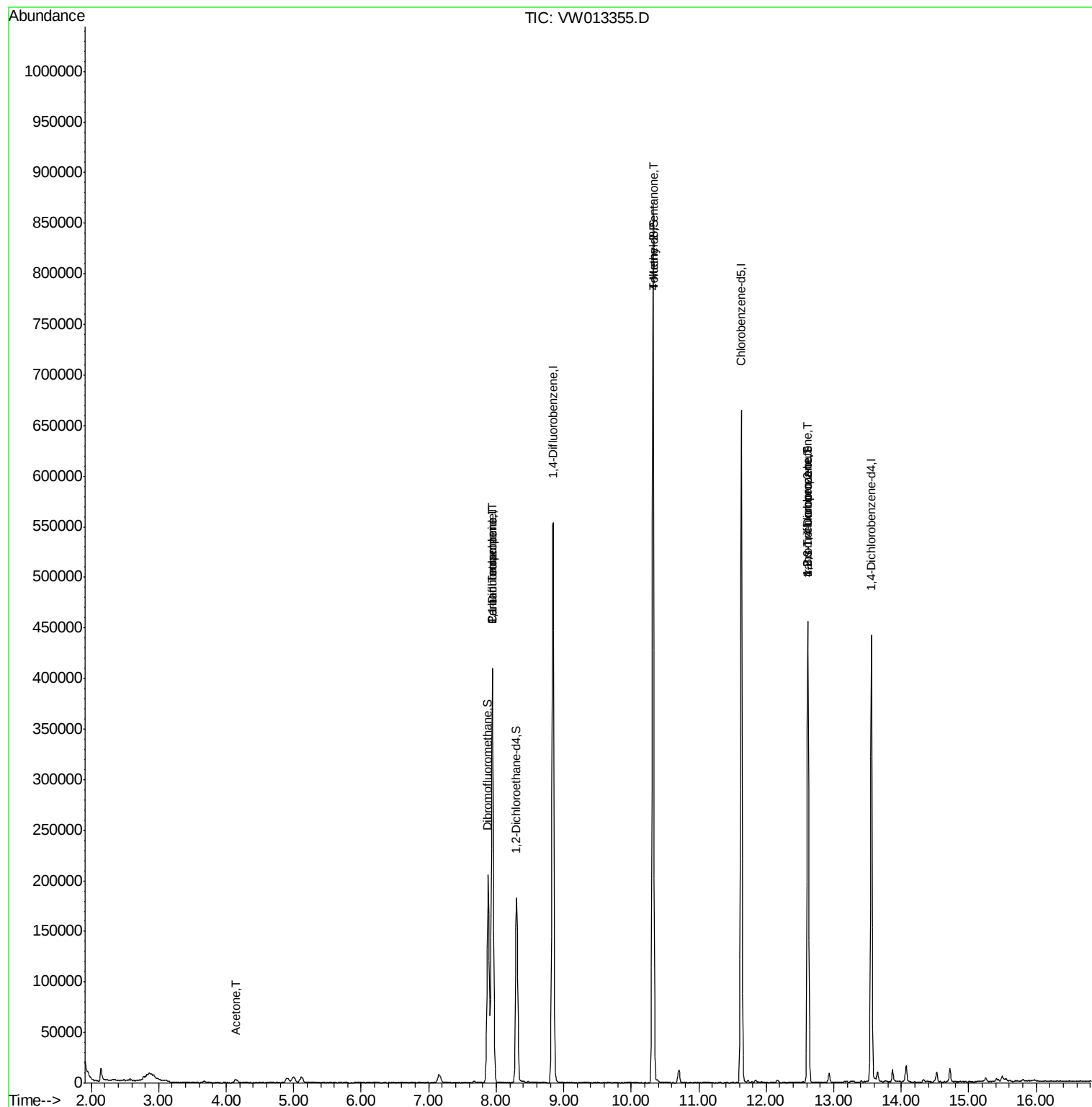
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	940	Below Cal	#	73
16) Acetone	4.15	43	6639	10.590	ug/l	98
20) Methylene Chloride	4.91	84	3826	Below Cal	#	78
26) 2,2-Dichloropropane	7.14	77	676	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	21627	4.418	ug/l	# 48
38) Carbon Tetrachloride	7.94	117	30171	6.875	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.32	43	2445	1.223	ug/l	# 1
76) 1,2,3-Trichloropropane	12.62	75	68985	62.120	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	68985	139.392	ug/l	# 12

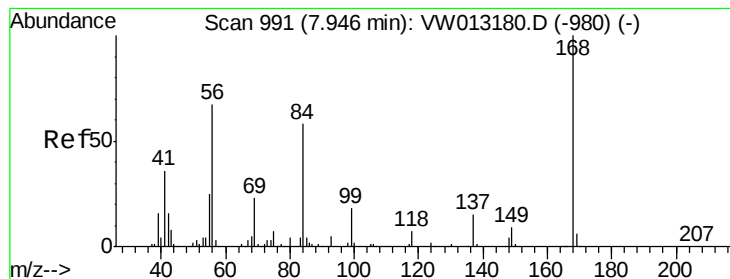
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
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Instrument :
MSVOA_W
ClientSampled :
GP-3 (1-3)

Quant Time: Oct 01 05:42:43 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: VW013355.D

Acq: 01 Oct 2019 02:32

Instrument :

MSVOA_W

ClientSampleId :

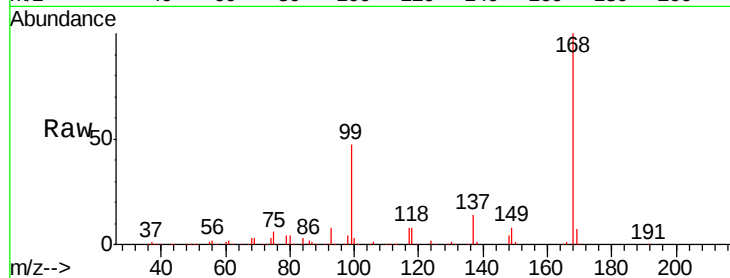
GP-3 (1-3)

Tgt Ion:168 Resp: 340633

Ion Ratio Lower Upper

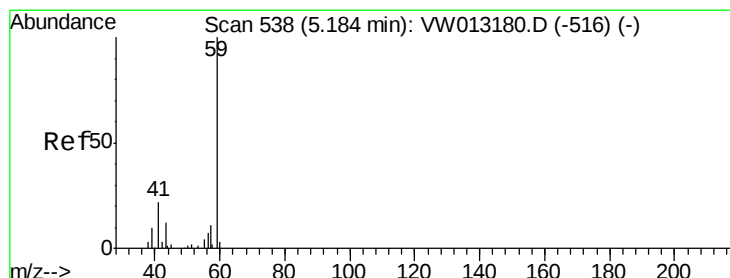
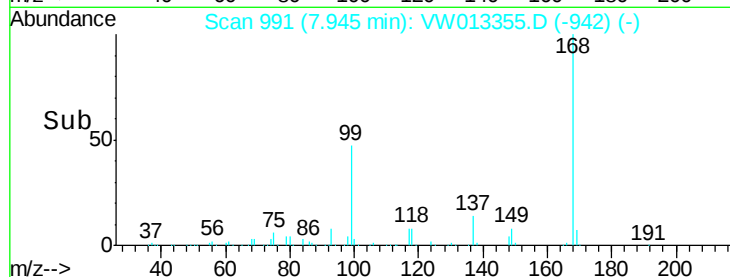
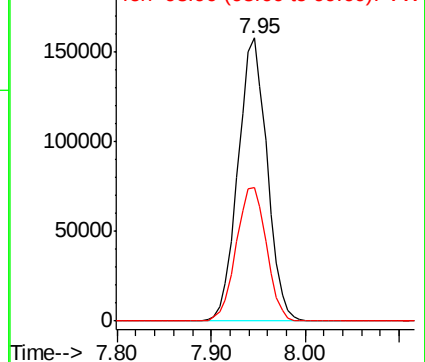
168 100

99 47.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 548

Delta R.T. 0.06 min

Lab File: VW013355.D

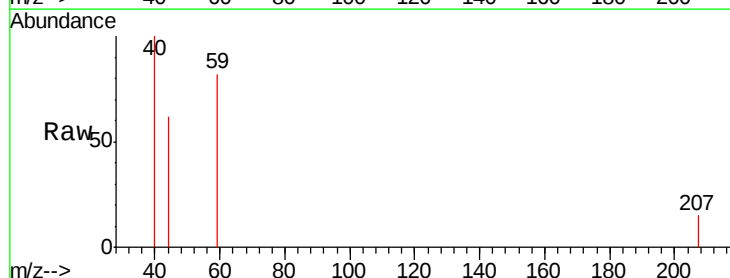
Acq: 01 Oct 2019 02:32

Tgt Ion: 59 Resp: 940

Ion Ratio Lower Upper

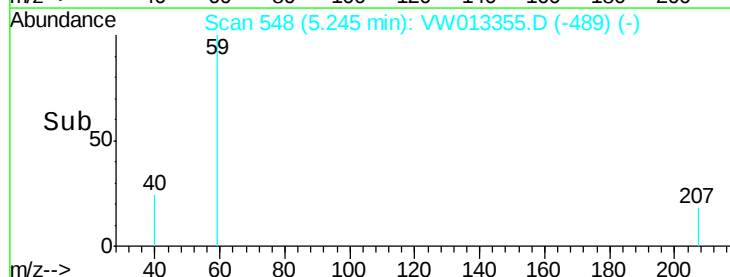
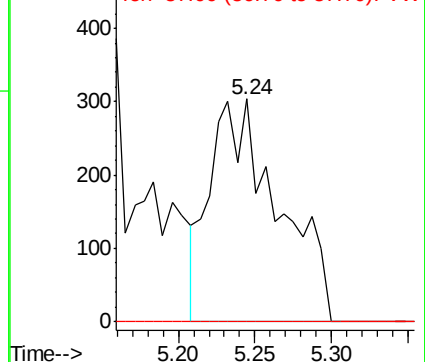
59 100

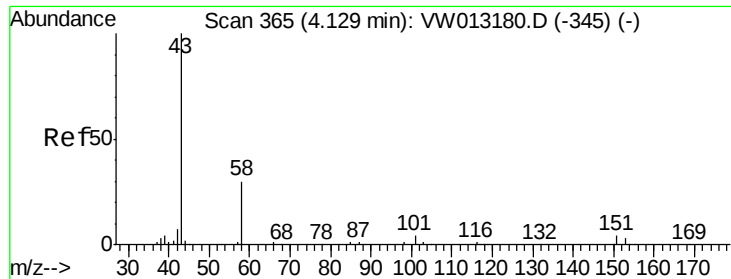
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 10.590 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW013355.D

Acq: 01 Oct 2019 02:32

Instrument :

MSVOA_W

ClientSampleId :

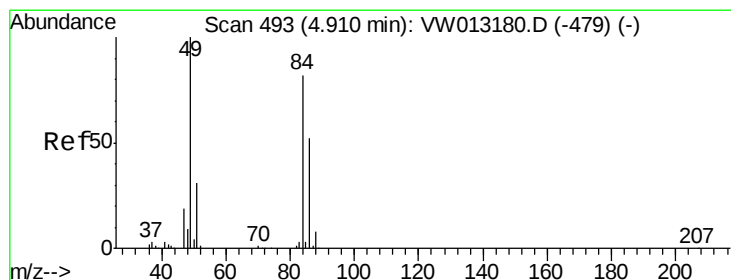
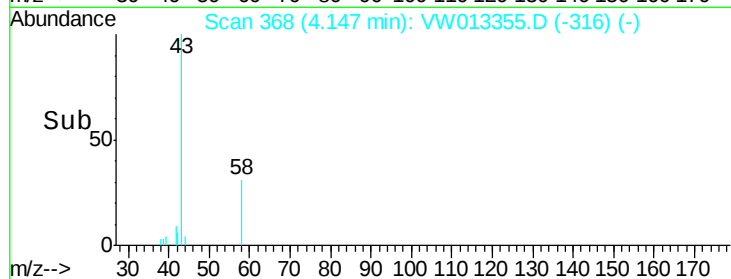
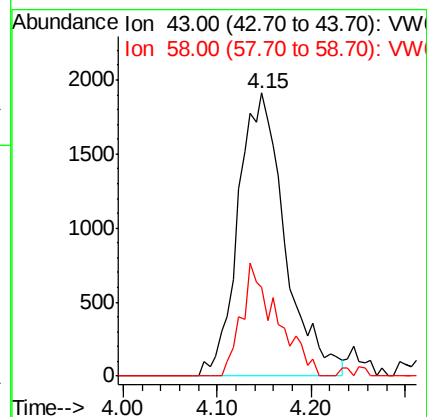
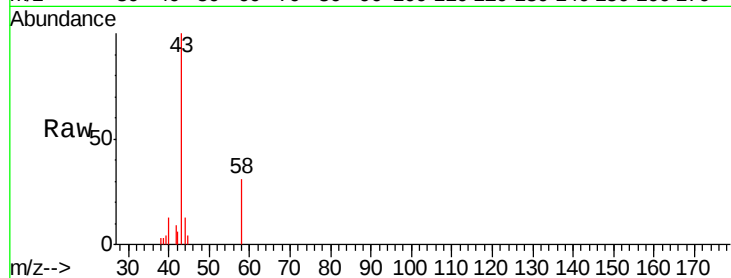
GP-3 (1-3)

Tgt Ion: 43 Resp: 6639

Ion Ratio Lower Upper

43 100

58 31.2 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013355.D

Acq: 01 Oct 2019 02:32

Tgt Ion: 84 Resp: 3826

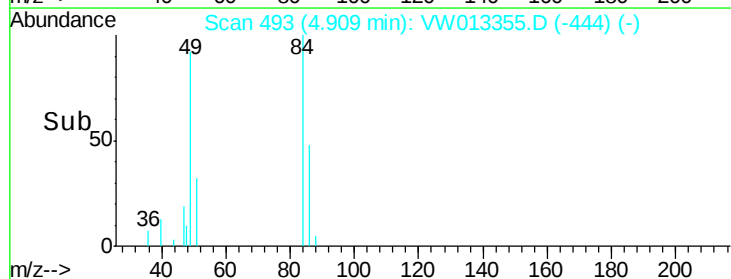
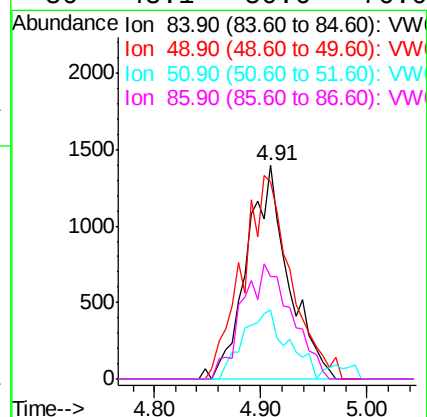
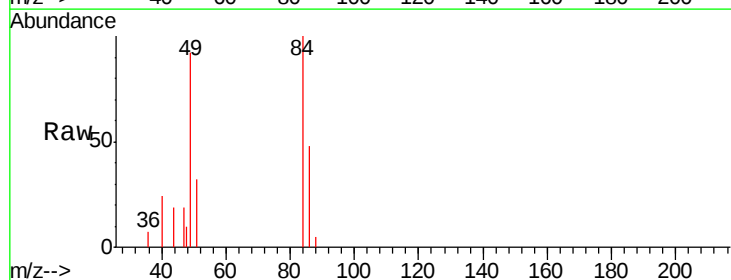
Ion Ratio Lower Upper

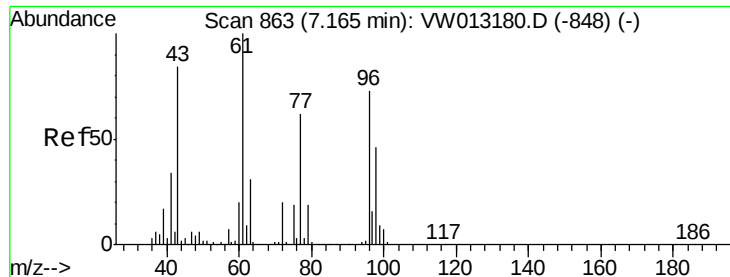
84 100

49 92.1 97.6 146.4#

51 32.1 30.2 45.2

86 48.1 50.6 76.0#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013355.D

Acq: 01 Oct 2019 02:32

Instrument :

MSVOA_W

ClientSampleId :

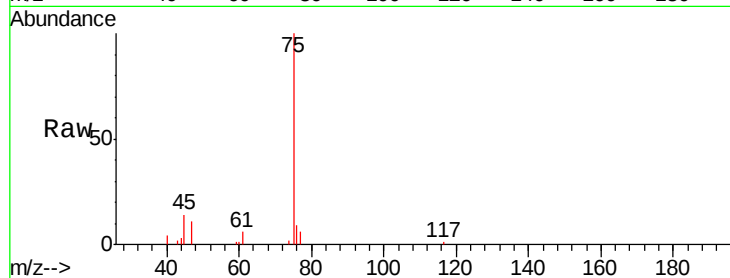
GP-3 (1-3)

Tgt Ion: 77 Resp: 676

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.14

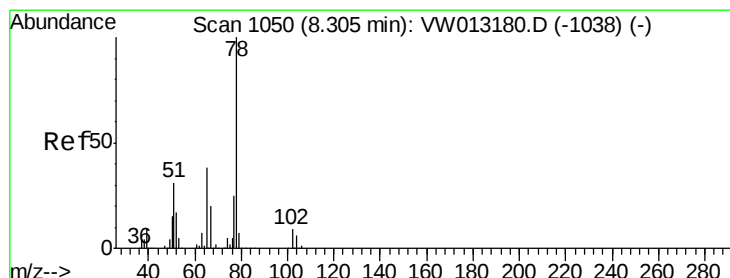
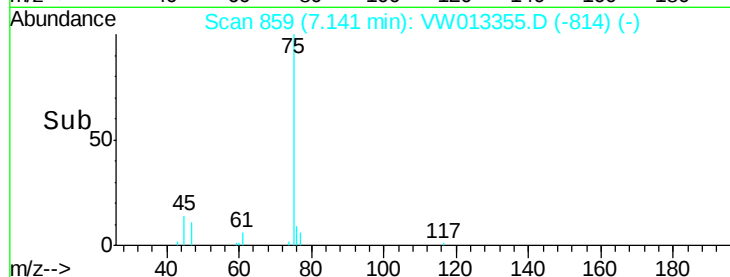
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.152 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013355.D

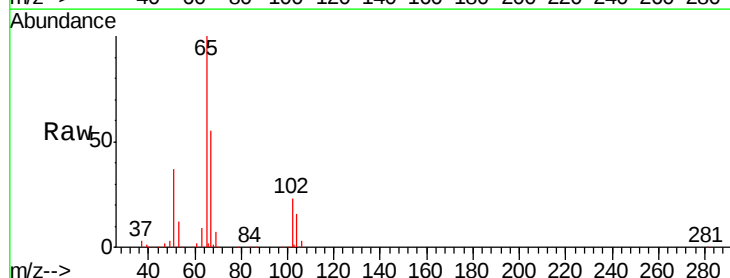
Acq: 01 Oct 2019 02:32

Tgt Ion: 65 Resp: 144985

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

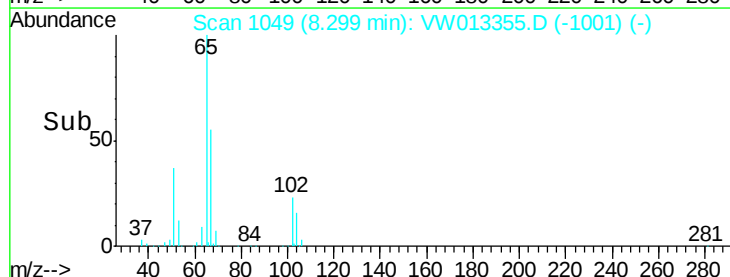
60000

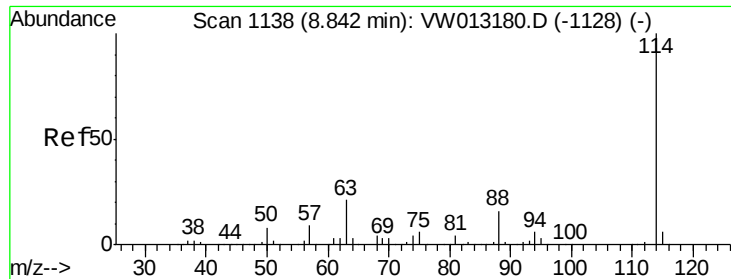
40000

20000

0

Time-->

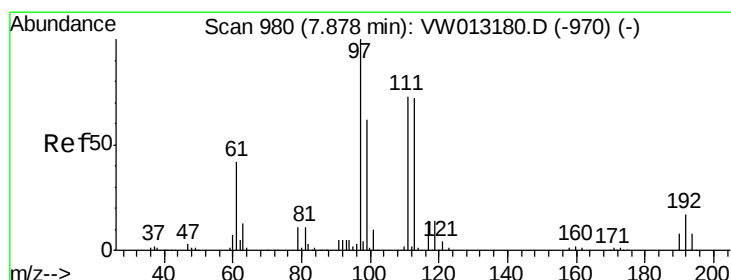
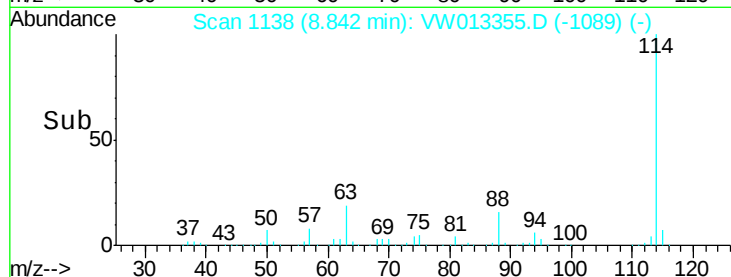
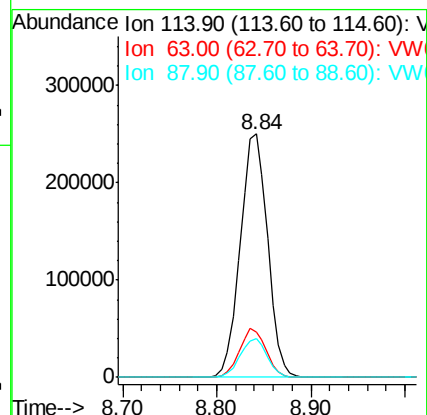
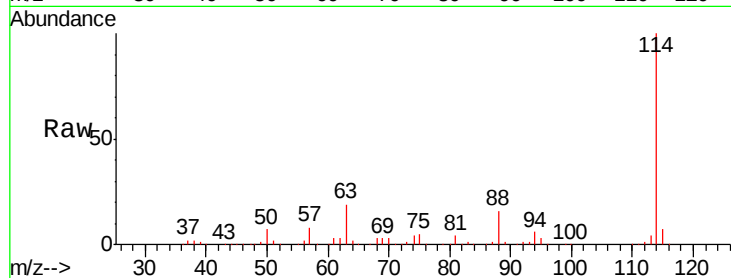




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013355.D
Acq: 01 Oct 2019 02:32

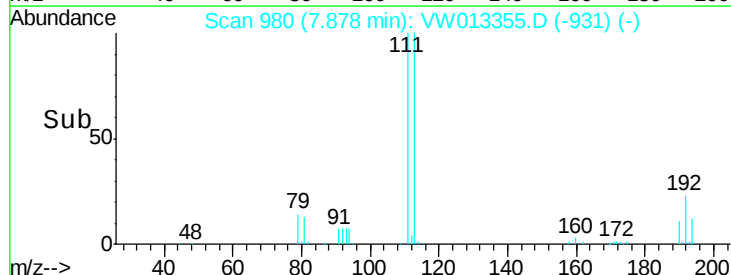
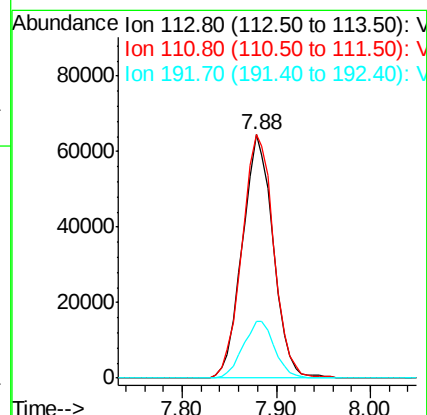
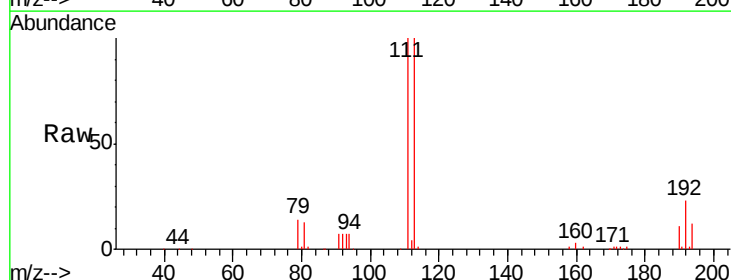
Instrument :
MSVOA_W
ClientSampleId :
GP-3 (1-3)

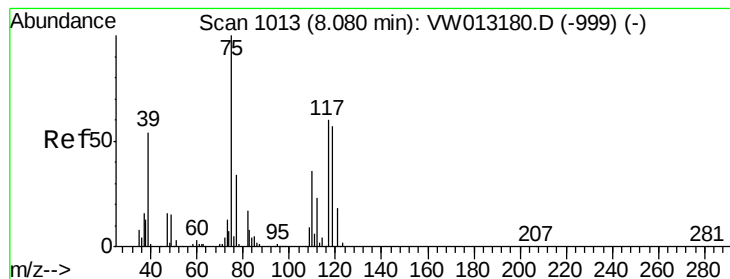
Tgt Ion:114 Resp: 505460
Ion Ratio Lower Upper
114 100
63 18.8 0.0 41.4
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 53.178 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW013355.D
Acq: 01 Oct 2019 02:32

Tgt Ion:113 Resp: 147836
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 23.7 19.1 28.7





#36

1,1-Dichloropropene

Concen: 4.418 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013355.D

Acq: 01 Oct 2019 02:32

Instrument :

MSVOA_W

ClientSampleId :

GP-3 (1-3)

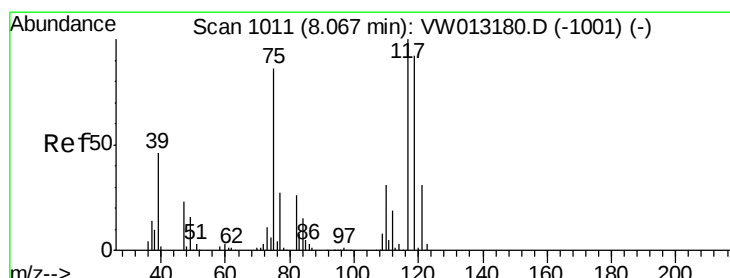
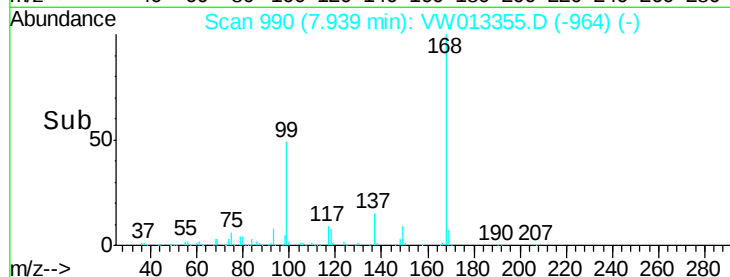
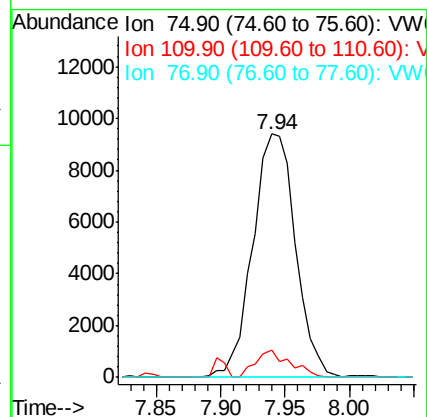
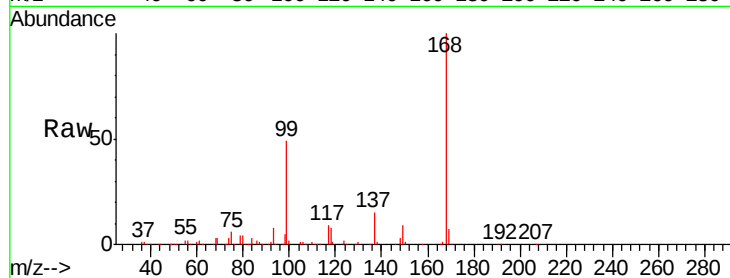
Tgt Ion: 75 Resp: 21627

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.875 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013355.D

Acq: 01 Oct 2019 02:32

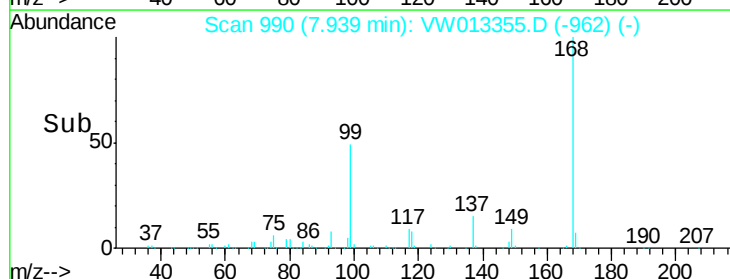
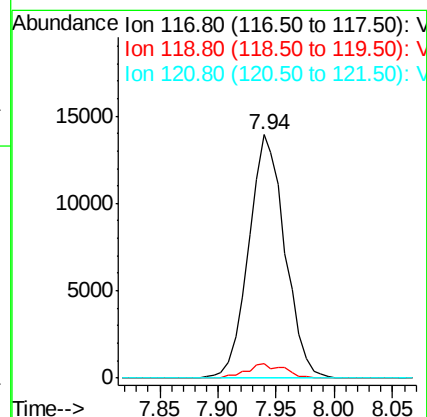
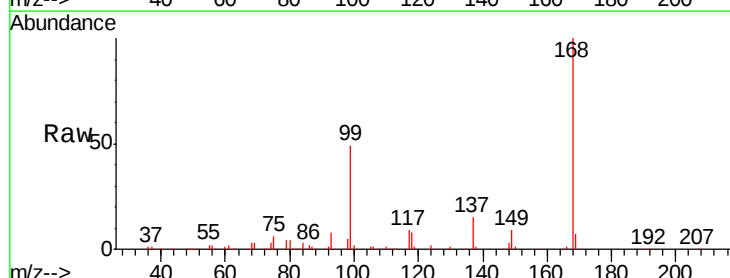
Tgt Ion: 117 Resp: 30171

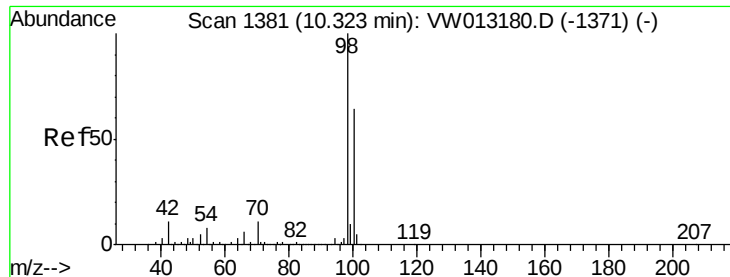
Ion Ratio Lower Upper

117 100

119 6.1 73.5 110.3#

121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 50.004 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013355.D

Acq: 01 Oct 2019 02:32

Instrument :

MSVOA_W

ClientSampleId :

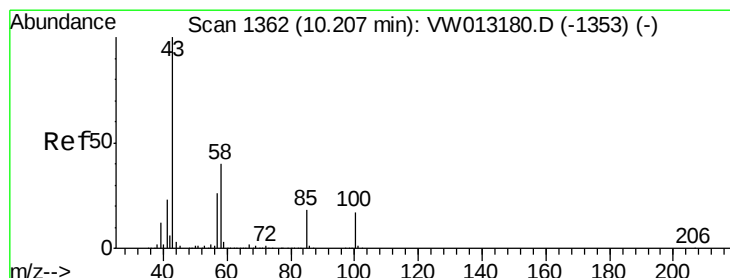
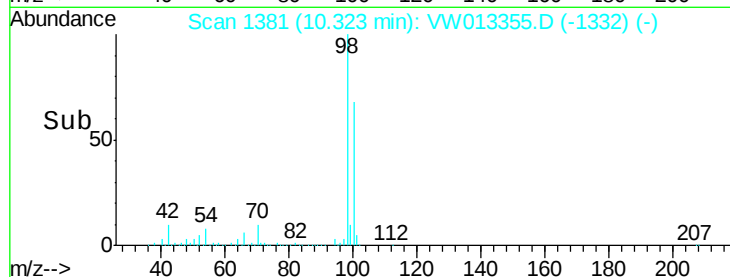
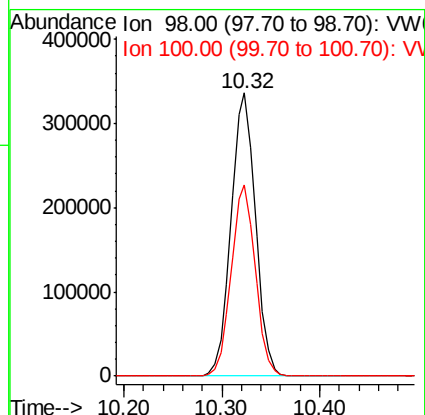
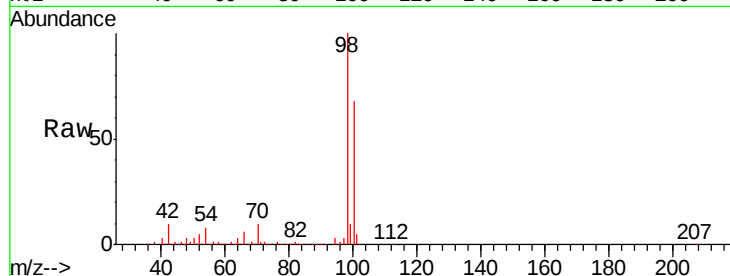
GP-3 (1-3)

Tgt Ion: 98 Resp: 581782

Ion Ratio Lower Upper

98 100

100 66.6 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.223 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013355.D

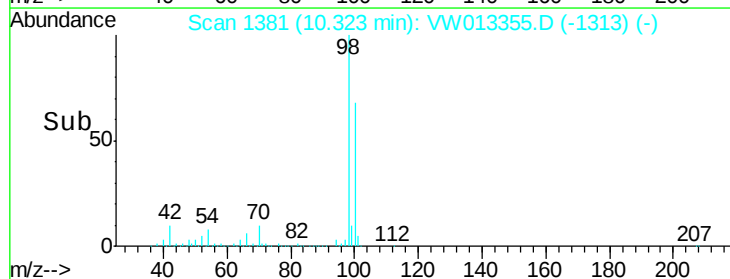
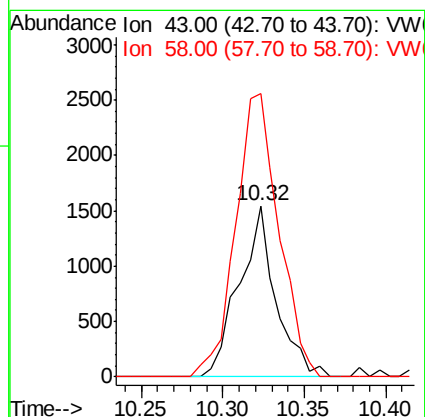
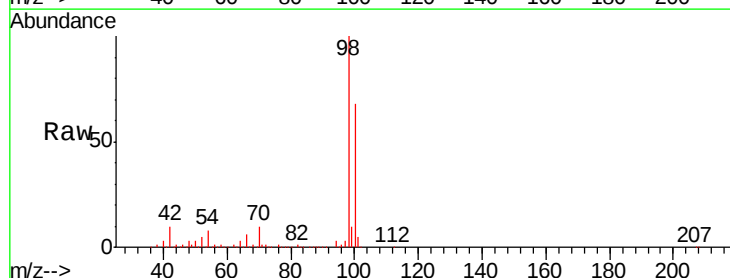
Acq: 01 Oct 2019 02:32

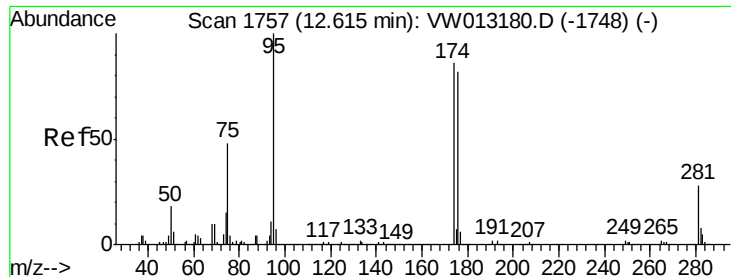
Tgt Ion: 43 Resp: 2445

Ion Ratio Lower Upper

43 100

58 191.9 31.7 47.5#





#62

4-Bromofluorobenzene

Concen: 36.732 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013355.D

Acq: 01 Oct 2019 02:32

Instrument :

MSVOA_W

ClientSampleId :

GP-3 (1-3)

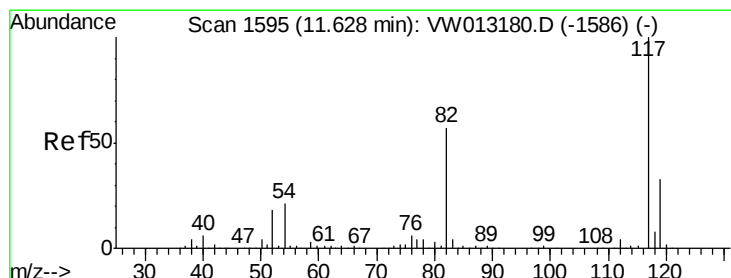
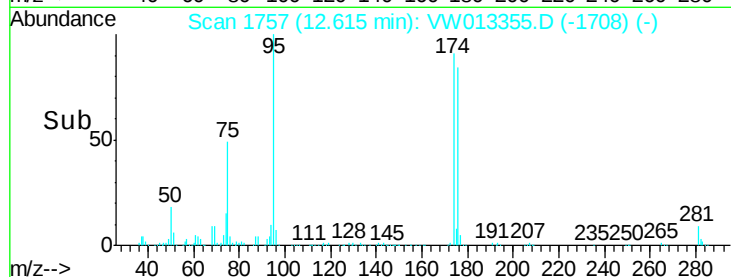
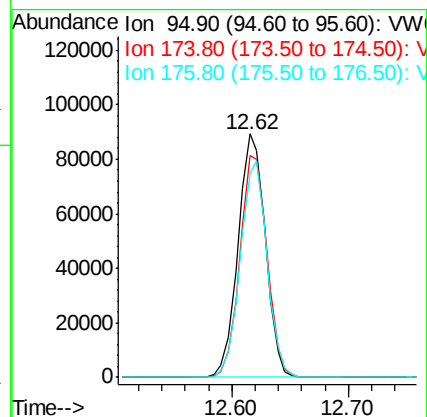
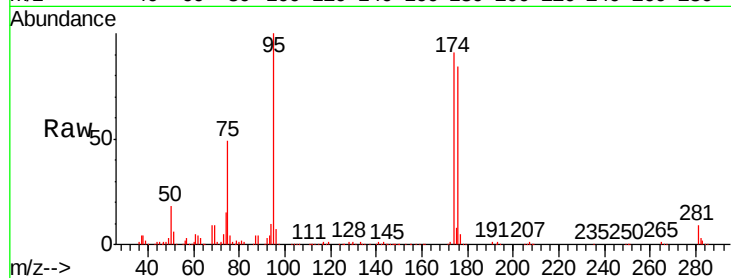
Tgt Ion: 95 Resp: 145987

Ion Ratio Lower Upper

95 100

174 90.9 0.0 178.4

176 87.4 0.0 172.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013355.D

Acq: 01 Oct 2019 02:32

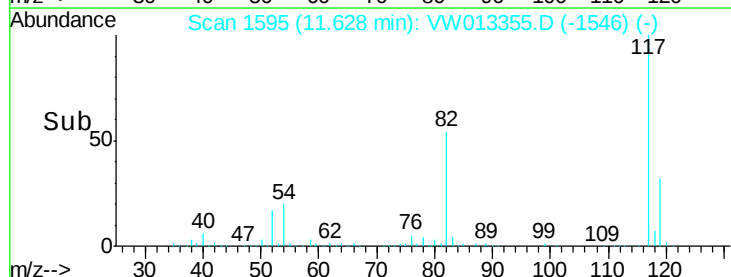
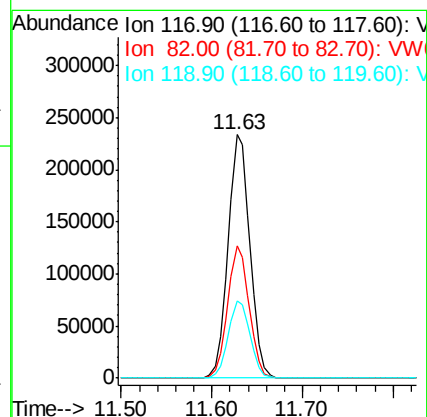
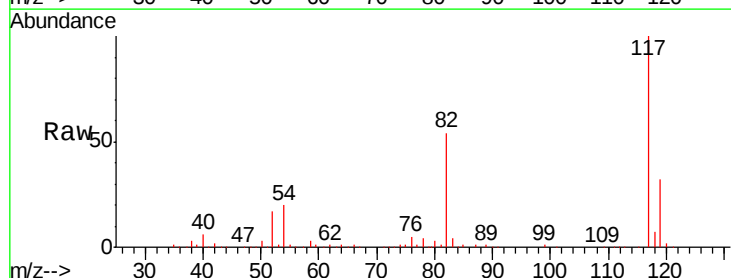
Tgt Ion: 117 Resp: 388989

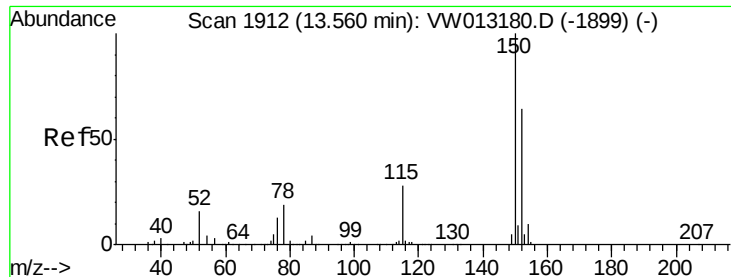
Ion Ratio Lower Upper

117 100

82 54.3 45.9 68.9

119 31.6 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: VW013355.D

Acq: 01 Oct 2019 02:32

Instrument :

MSVOA_W

ClientSampleId :

GP-3 (1-3)

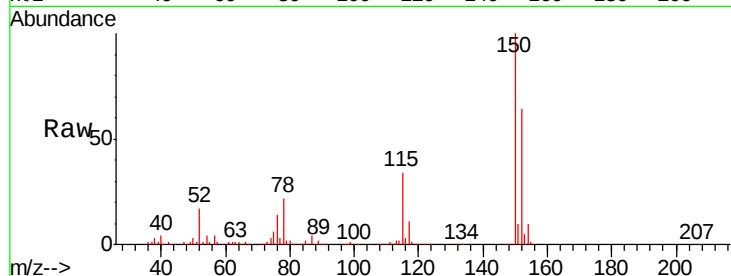
Tgt Ion:152 Resp: 125747

Ion Ratio Lower Upper

152 100

115 55.9 27.3 81.9

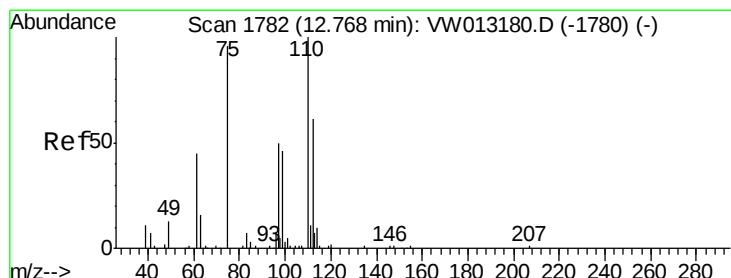
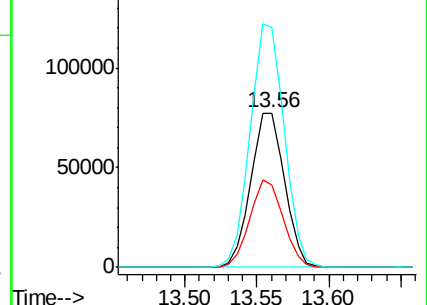
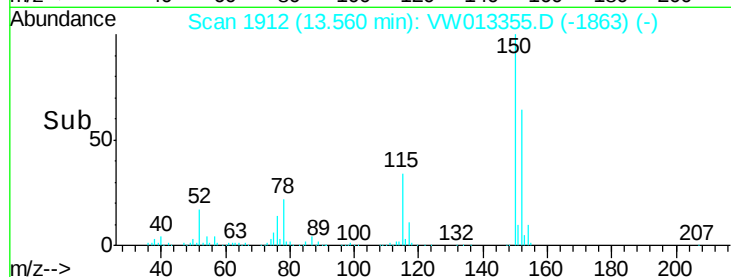
150 158.8 0.0 349.0



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: 62.120 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013355.D

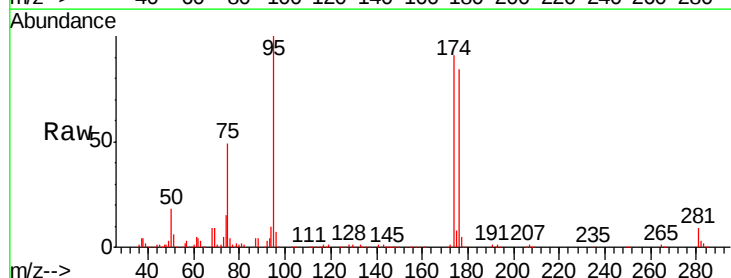
Acq: 01 Oct 2019 02:32

Tgt Ion: 75 Resp: 68985

Ion Ratio Lower Upper

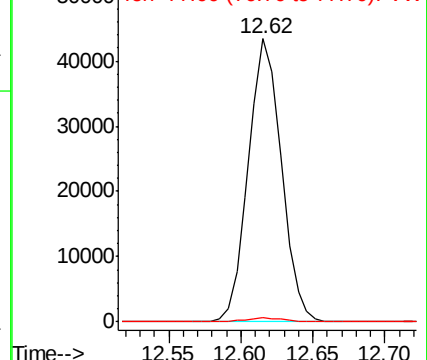
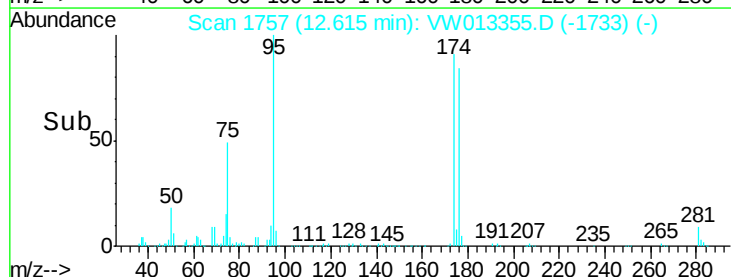
75 100

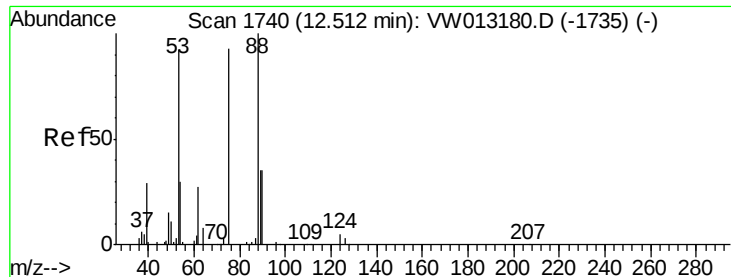
77 1.5 0.0 0.0#



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: 139.392 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013355.D

Acq: 01 Oct 2019 02:32

Instrument :

MSVOA_W

ClientSampleId :

GP-3 (1-3)

Tgt Ion: 75 Resp: 68985

Ion Ratio Lower Upper

75 100

53 0.1 76.6 114.8#

89 0.1 33.5 50.3#

